

Supplementary Table 1. Percent concordances and number of deaths in the PHMRC validation dataset to inform cause list groupings. The selected cause list grouping for each hierarchy level is boxed in red.

|         | Grouping | Module  | Cause group                                                       | Deaths (#) | Percent concordance (%) |
|---------|----------|---------|-------------------------------------------------------------------|------------|-------------------------|
| LEVEL 1 | A        | Adult   | Communicable, maternal, neonatal, and nutritional diseases        | 771        | 77.5%                   |
|         | A        | Adult   | Non-communicable diseases                                         | 2,027      | 90.4%                   |
|         | A        | Adult   | Injuries                                                          | 948        | 87.2%                   |
|         | A        | Child   | Communicable, maternal, neonatal, and nutritional diseases        | 460        | 93.4%                   |
|         | A        | Child   | Non-communicable diseases                                         | 121        | 52.2%                   |
|         | A        | Child   | Injuries                                                          | 335        | 98.3%                   |
|         | A        | Child   | Other Defined Causes of Childhood Death                           | 30         | 50.0%                   |
|         | A        | Neonate | Communicable, maternal, neonatal, and nutritional diseases        | 1,110      | 96.9%                   |
|         | A        | Neonate | Stillbirth                                                        | 187        | 87.9%                   |
|         | B        | Adult   | Communicable and nutritional diseases                             | 663        | 72.9%                   |
|         | B        | Adult   | Injuries                                                          | 948        | 87.1%                   |
|         | B        | Adult   | Maternal disorders                                                | 72         | 77.2%                   |
|         | B        | Adult   | Non-communicable diseases                                         | 2,027      | 90.7%                   |
|         | B        | Child   | Communicable and nutritional diseases                             | 460        | 92.5%                   |
|         | B        | Child   | Injuries                                                          | 335        | 99.4%                   |
|         | B        | Child   | Other non-communicable diseases                                   | 121        | 49.2%                   |
|         | B        | Child   | Other Defined Causes of Childhood Death                           | 30         | 52.1%                   |
|         | B        | Neonate | Communicable, neonatal, and nutritional diseases                  | 397        | 47.3%                   |
|         | B        | Neonate | Neonatal conditions                                               | 637        | 91.2%                   |
|         | B        | Neonate | Stillbirth                                                        | 187        | 82.2%                   |
|         | C        | Adult   | Communicable and nutritional diseases except respiratory diseases | 434        | 62.4%                   |
|         | C        | Adult   | Injuries                                                          | 948        | 87.2%                   |
|         | C        | Adult   | Maternal disorders                                                | 72         | 76.1%                   |
|         | C        | Adult   | Non-communicable diseases except respiratory diseases             | 1,652      | 89.8%                   |
|         | C        | Adult   | All respiratory diseases                                          | 563        | 68.7%                   |
|         | C        | Child   | Communicable and nutritional diseases except respiratory diseases | 405        | 80.9%                   |
|         | C        | Child   | Injuries                                                          | 335        | 92.7%                   |
|         | C        | Child   | Non-communicable diseases except respiratory diseases             | 120        | 44.7%                   |
|         | C        | Child   | Other defined causes of childhood death                           | 31         | 66.7%                   |
|         | C        | Child   | All respiratory diseases                                          | 45         | 50.0%                   |
|         | C        | Neonate | Communicable and nutritional diseases except respiratory diseases | 397        | 45.2%                   |
|         | C        | Neonate | Neonatal conditions                                               | 637        | 91.3%                   |
|         | C        | Neonate | Stillbirth                                                        | 187        | 81.9%                   |

## Aim 2 Supplementary Tables

| LEVEL 2 | Grouping | Module  | Cause group                                                       | Deaths (#) | Percent         |
|---------|----------|---------|-------------------------------------------------------------------|------------|-----------------|
|         |          |         |                                                                   |            | concordance (%) |
| LEVEL 2 | D        | Adult   | Cardiovascular diseases                                           | 323        | 77.5%           |
|         | D        | Adult   | Communicable and nutritional diseases except respiratory diseases | 529        | 56.5%           |
|         | D        | Adult   | Injuries                                                          | 948        | 87.4%           |
|         | D        | Adult   | Maternal disorders                                                | 72         | 76.6%           |
|         | D        | Adult   | Other non-communicable diseases                                   | 532        | 69.0%           |
|         | D        | Adult   | Neoplasms except lung cancer                                      | 727        | 46.7%           |
|         | D        | Adult   | All respiratory diseases                                          | 458        | 67.6%           |
|         | D        | Child   | Communicable and nutritional diseases except respiratory diseases | 413        | 81.5%           |
|         | D        | Child   | Injuries                                                          | 335        | 91.4%           |
|         | D        | Child   | Other non-communicable diseases                                   | 75         | 30.4%           |
|         | D        | Child   | Neoplasms except lung cancer                                      | 23         | 58.6%           |
|         | D        | Child   | Other Defined Causes of Childhood Death                           | 31         | 65.3%           |
|         | D        | Child   | All respiratory diseases                                          | 35         | 55.6%           |
|         | D        | Neonate | Communicable and nutritional diseases except respiratory diseases | 397        | 48.2%           |
|         | D        | Neonate | Neonatal conditions                                               | 637        | 91.8%           |
|         | D        | Neonate | Stillbirth                                                        | 187        | 81.6%           |
|         | E        | Adult   | Cardiovascular diseases                                           | 323        | 77.0%           |
|         | E        | Adult   | Communicable diseases except respiratory diseases                 | 528        | 56.5%           |
|         | E        | Adult   | Injuries                                                          | 948        | 87.2%           |
|         | E        | Adult   | Maternal disorders                                                | 72         | 76.9%           |
|         | E        | Adult   | Other non-communicable diseases                                   | 532        | 70.7%           |
|         | E        | Adult   | Neoplasms                                                         | 727        | 44.3%           |
|         | E        | Adult   | Chronic respiratory diseases                                      | 336        | 53.3%           |
|         | E        | Adult   | Infectious respiratory diseases                                   | 89         | 50.7%           |
|         | E        | Child   | Communicable diseases except respiratory diseases                 | 413        | 80.8%           |
|         | E        | Child   | Injuries                                                          | 335        | 92.3%           |
|         | E        | Child   | Other non-communicable diseases                                   | 75         | 29.0%           |
|         | E        | Child   | Neoplasms except lung cancer                                      | 23         | 58.6%           |
|         | E        | Child   | Other Defined Causes of Childhood Death                           | 31         | 65.3%           |
|         | E        | Child   | Infectious respiratory diseases                                   | 35         | 54.4%           |
|         | E        | Neonate | Communicable diseases except respiratory diseases                 | 397        | 46.3%           |
|         | E        | Neonate | Neonatal conditions                                               | 637        | 91.3%           |
|         | E        | Neonate | Stillbirth                                                        | 187        | 81.7%           |
|         | F        | Adult   | Cirrhosis                                                         | 91         | 53.3%           |
|         | F        | Adult   | Chronic kidney disease                                            | 75         | 51.1%           |
|         | F        | Adult   | Communicable diseases other than resp maternal neonatal           | 322        | 50.5%           |
|         | F        | Adult   | Diabetes mellitus                                                 | 75         | 60.0%           |
|         | F        | Adult   | Drowning                                                          | 87         | 67.8%           |
|         | F        | Adult   | Falls                                                             | 81         | 49.2%           |
|         | F        | Adult   | Interpersonal violence                                            | 80         | 61.7%           |
|         | F        | Adult   | Other unintentional injuries                                      | 379        | 70.2%           |
|         | F        | Adult   | Self-harm                                                         | 75         | 67.0%           |
|         | F        | Adult   | Transport injuries                                                | 71         | 84.2%           |
|         | F        | Adult   | Maternal disorders                                                | 72         | 77.2%           |
|         | F        | Adult   | Other NCDs and CVD                                                | 518        | 80.9%           |
|         | F        | Adult   | Neoplasms except lung cancer                                      | 777        | 78.2%           |
|         | F        | Adult   | All respiratory diseases                                          | 667        | 73.1%           |
|         | F        | Child   | Communicable diseases other than resp maternal neonatal           | 407        | 88.2%           |
|         | F        | Child   | Drowning                                                          | 23         | 100.0%          |

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|          |         |                                                          | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
| Grouping | Module  | Cause group                                              | Deaths (#) | concordance (%) |
| F        | Child   | Falls                                                    | 35         | 66.7%           |
| F        | Child   | Other unintentional injuries                             | 194        | 95.9%           |
| F        | Child   | Transport injuries                                       | 34         | 86.8%           |
| F        | Child   | Other NCDs and CVD                                       | 75         | 29.2%           |
| F        | Child   | Neoplasms except lung cancer                             | 23         | 58.6%           |
| F        | Child   | All respiratory diseases                                 | 83         | 63.7%           |
| F        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.6%           |
| F        | Neonate | Other neonatal disorders                                 | 617        | 60.1%           |
| F        | Neonate | Preterm birth complications                              | 171        | 77.3%           |
| F        | Neonate | Stillbirth                                               | 187        | 87.7%           |
| G        | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| G        | Adult   | Other communicable diseases                              | 75         | 48.7%           |
| G        | Adult   | Cardiovascular diseases                                  | 323        | 76.2%           |
| G        | Adult   | Diabetes mellitus and chronic kidney disease             | 179        | 59.1%           |
| G        | Adult   | Diarrheal diseases                                       | 79         | 30.8%           |
| G        | Adult   | Drowning                                                 | 87         | 69.6%           |
| G        | Adult   | Falls                                                    | 81         | 50.0%           |
| G        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| G        | Adult   | Other unintentional injuries                             | 379        | 72.8%           |
| G        | Adult   | Self-harm                                                | 75         | 65.4%           |
| G        | Adult   | Transport injuries                                       | 71         | 81.7%           |
| G        | Adult   | Malaria                                                  | 83         | 32.8%           |
| G        | Adult   | Maternal disorders                                       | 72         | 77.2%           |
| G        | Adult   | Other non-communicable diseases                          | 142        | 50.5%           |
| G        | Adult   | Neoplasms except lung cancer                             | 777        | 78.2%           |
| G        | Adult   | All respiratory diseases                                 | 667        | 72.5%           |
| G        | Child   | Other communicable diseases                              | 304        | 81.1%           |
| G        | Child   | Cardiovascular diseases                                  | 31         | 10.7%           |
| G        | Child   | Diarrheal diseases                                       | 37         | 61.3%           |
| G        | Child   | Drowning                                                 | 23         | 100.0%          |
| G        | Child   | Falls                                                    | 35         | 66.7%           |
| G        | Child   | Other unintentional injuries                             | 194        | 95.8%           |
| G        | Child   | Transport injuries                                       | 34         | 89.9%           |
| G        | Child   | Malaria                                                  | 30         | 44.2%           |
| G        | Child   | Other non-communicable diseases                          | 33         | 36.3%           |
| G        | Child   | Neoplasms except lung cancer                             | 23         | 58.6%           |
| G        | Child   | All respiratory diseases                                 | 83         | 63.4%           |
| G        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 83.5%           |
| G        | Neonate | Other neonatal disorders                                 | 617        | 59.3%           |
| G        | Neonate | Preterm birth complications                              | 171        | 77.6%           |
| G        | Neonate | Stillbirth                                               | 187        | 86.8%           |
| H        | Adult   | Cirrhosis                                                | 91         | 55.3%           |
| H        | Adult   | Chronic kidney disease                                   | 75         | 54.4%           |
| H        | Adult   | Other communicable diseases                              | 75         | 48.3%           |
| H        | Adult   | Cardiovascular diseases                                  | 323        | 77.2%           |
| H        | Adult   | Diabetes mellitus                                        | 75         | 60.9%           |
| H        | Adult   | HIV/AIDS                                                 | 77         | 69.2%           |
| H        | Adult   | Drowning                                                 | 87         | 68.1%           |
| H        | Adult   | Falls                                                    | 81         | 48.7%           |
| H        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |

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| Grouping | Module  | Cause group                                              | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
|          |         |                                                          | Deaths (#) | concordance (%) |
| H        | Adult   | Other unintentional injuries                             | 379        | 70.9%           |
| H        | Adult   | Self-harm                                                | 75         | 69.0%           |
| H        | Adult   | Transport injuries                                       | 71         | 82.9%           |
| H        | Adult   | Lower respiratory infections                             | 89         | 41.0%           |
| H        | Adult   | Malaria                                                  | 83         | 31.4%           |
| H        | Adult   | Maternal disorders                                       | 72         | 76.9%           |
| H        | Adult   | Other non-communicable diseases                          | 142        | 47.2%           |
| H        | Adult   | Neoplasms                                                | 907        | 79.8%           |
| H        | Adult   | Chronic respiratory diseases                             | 203        | 55.6%           |
| H        | Adult   | Tuberculosis                                             | 74         | 67.3%           |
| H        | Child   | Other communicable diseases                              | 304        | 82.5%           |
| H        | Child   | Cardiovascular diseases                                  | 31         | 10.7%           |
| H        | Child   | Diarrheal diseases                                       | 37         | 61.5%           |
| H        | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| H        | Child   | Drowning                                                 | 23         | 100.0%          |
| H        | Child   | Falls                                                    | 35         | 68.2%           |
| H        | Child   | Other unintentional injuries                             | 194        | 93.6%           |
| H        | Child   | Transport injuries                                       | 34         | 89.9%           |
| H        | Child   | Lower respiratory infections                             | 35         | 54.8%           |
| H        | Child   | Malaria                                                  | 30         | 47.3%           |
| H        | Child   | Other non-communicable diseases                          | 33         | 50.0%           |
| H        | Child   | Neoplasms                                                | 23         | 58.6%           |
| H        | Child   | Other respiratory diseases                               | 1          | 0.0%            |
| H        | Child   | Tuberculosis                                             | 4          | 0.0%            |
| H        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.1%           |
| H        | Neonate | Other neonatal disorders                                 | 617        | 59.4%           |
| H        | Neonate | Preterm birth complications                              | 171        | 77.4%           |
| H        | Neonate | Stillbirth                                               | 187        | 86.5%           |



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|                |         |                                                          | Percent    |                 |
|----------------|---------|----------------------------------------------------------|------------|-----------------|
| Grouping       | Module  | Cause group                                              | Deaths (#) | concordance (%) |
| <b>LEVEL 3</b> |         |                                                          |            |                 |
| I              | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| I              | Adult   | Chronic kidney disease                                   | 75         | 52.2%           |
| I              | Adult   | Other communicable diseases                              | 75         | 48.6%           |
| I              | Adult   | Cardiovascular diseases                                  | 323        | 77.2%           |
| I              | Adult   | Diabetes mellitus                                        | 75         | 59.1%           |
| I              | Adult   | Diarrheal diseases                                       | 79         | 30.8%           |
| I              | Adult   | HIV/AIDS                                                 | 77         | 68.7%           |
| I              | Adult   | Drowning                                                 | 87         | 68.1%           |
| I              | Adult   | Falls                                                    | 81         | 48.4%           |
| I              | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| I              | Adult   | Other unintentional injuries                             | 379        | 70.1%           |
| I              | Adult   | Self-harm                                                | 75         | 70.8%           |
| I              | Adult   | Transport injuries                                       | 71         | 81.7%           |
| I              | Adult   | Lower respiratory infections                             | 89         | 39.9%           |
| I              | Adult   | Malaria                                                  | 83         | 31.4%           |
| I              | Adult   | Maternal disorders                                       | 72         | 76.8%           |
| I              | Adult   | Other non-communicable diseases                          | 142        | 51.6%           |
| I              | Adult   | Breast cancer                                            | 89         | 66.7%           |
| I              | Adult   | Chronic respiratory diseases                             | 203        | 53.3%           |
| I              | Adult   | Tuberculosis                                             | 74         | 68.2%           |
| I              | Adult   | Cervical cancer                                          | 77         | 37.5%           |
| I              | Adult   | Tracheal, bronchus, and lung cancer                      | 83         | 42.9%           |
| I              | Adult   | Other neoplasms                                          | 558        | 75.4%           |
| I              | Child   | Other communicable diseases                              | 304        | 83.0%           |
| I              | Child   | Cardiovascular diseases                                  | 31         | 10.7%           |
| I              | Child   | Diarrheal diseases                                       | 37         | 62.1%           |
| I              | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| I              | Child   | Drowning                                                 | 23         | 100.0%          |
| I              | Child   | Falls                                                    | 35         | 55.7%           |
| I              | Child   | Other unintentional injuries                             | 194        | 95.8%           |
| I              | Child   | Transport injuries                                       | 34         | 89.9%           |
| I              | Child   | Lower respiratory infections                             | 35         | 54.9%           |
| I              | Child   | Malaria                                                  | 30         | 47.8%           |
| I              | Child   | Other non-communicable diseases                          | 33         | 42.8%           |
| I              | Child   | Other respiratory diseases                               | 1          | 33.3%           |
| I              | Child   | Tuberculosis                                             | 4          | 50.0%           |
| I              | Child   | Other neoplasms                                          | 23         | 58.6%           |
| I              | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.0%           |
| I              | Neonate | Other neonatal disorders                                 | 617        | 59.7%           |
| I              | Neonate | Preterm birth complications                              | 171        | 77.2%           |
| I              | Neonate | Stillbirth                                               | 187        | 87.1%           |
| J              | Adult   | Breast cancer                                            | 89         | 67.3%           |
| J              | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| J              | Adult   | Chronic kidney disease                                   | 75         | 51.6%           |
| J              | Adult   | Other communicable diseases                              | 75         | 47.4%           |
| J              | Adult   | Ischemic heart disease                                   | 79         | 64.1%           |
| J              | Adult   | Other cardiovascular and circulatory diseases            | 70         | 56.3%           |
| J              | Adult   | Cerebrovascular disease                                  | 90         | 73.1%           |
| J              | Adult   | Diabetes mellitus                                        | 75         | 59.5%           |
| J              | Adult   | Diarrheal diseases                                       | 79         | 32.4%           |

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| Grouping | Module  | Cause group                                              | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
|          |         |                                                          | Deaths (#) | concordance (%) |
| J        | Adult   | HIV/AIDS                                                 | 77         | 68.7%           |
| J        | Adult   | Drowning                                                 | 87         | 72.2%           |
| J        | Adult   | Falls                                                    | 81         | 46.2%           |
| J        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| J        | Adult   | Other unintentional injuries                             | 379        | 71.7%           |
| J        | Adult   | Self-harm                                                | 75         | 70.7%           |
| J        | Adult   | Transport injuries                                       | 71         | 82.9%           |
| J        | Adult   | Lower respiratory infections                             | 89         | 40.4%           |
| J        | Adult   | Malaria                                                  | 83         | 32.8%           |
| J        | Adult   | Maternal disorders                                       | 72         | 76.5%           |
| J        | Adult   | Other non-communicable diseases                          | 142        | 52.6%           |
| J        | Adult   | Cervical cancer                                          | 77         | 40.0%           |
| J        | Adult   | Chronic respiratory diseases                             | 203        | 54.7%           |
| J        | Adult   | Tuberculosis                                             | 74         | 66.7%           |
| J        | Adult   | Tracheal, bronchus, and lung cancer                      | 83         | 44.8%           |
| J        | Adult   | Other neoplasms                                          | 558        | 74.2%           |
| J        | Child   | Other communicable diseases                              | 304        | 82.1%           |
| J        | Child   | Other cardiovascular and circulatory diseases            | 31         | 10.7%           |
| J        | Child   | Diarrheal diseases                                       | 37         | 62.5%           |
| J        | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| J        | Child   | Drowning                                                 | 23         | 100.0%          |
| J        | Child   | Falls                                                    | 35         | 61.5%           |
| J        | Child   | Other unintentional injuries                             | 194        | 93.6%           |
| J        | Child   | Transport injuries                                       | 34         | 86.8%           |
| J        | Child   | Lower respiratory infections                             | 35         | 54.7%           |
| J        | Child   | Malaria                                                  | 30         | 50.0%           |
| J        | Child   | Other non-communicable diseases                          | 33         | 43.4%           |
| J        | Child   | Other respiratory diseases                               | 1          | 33.3%           |
| J        | Child   | Tuberculosis                                             | 4          | 0.0%            |
| J        | Child   | Other neoplasms                                          | 23         | 58.6%           |
| J        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.5%           |
| J        | Neonate | Other neonatal disorders                                 | 617        | 61.1%           |
| J        | Neonate | Preterm birth complications                              | 171        | 77.8%           |
| J        | Neonate | Stillbirth                                               | 187        | 86.7%           |
| K        | Adult   | Breast cancer                                            | 89         | 65.8%           |
| K        | Adult   | Cervical cancer                                          | 77         | 40.0%           |
| K        | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| K        | Adult   | Chronic kidney disease                                   | 75         | 51.5%           |
| K        | Adult   | Other communicable diseases                              | 75         | 45.8%           |
| K        | Adult   | Other cardiovascular and circulatory diseases            | 192        | 70.1%           |
| K        | Adult   | Cerebrovascular disease                                  | 90         | 73.3%           |
| K        | Adult   | Diabetes mellitus                                        | 75         | 60.3%           |
| K        | Adult   | Diarrheal diseases                                       | 79         | 28.6%           |
| K        | Adult   | HIV/AIDS                                                 | 77         | 68.7%           |
| K        | Adult   | Drowning                                                 | 87         | 72.2%           |
| K        | Adult   | Falls                                                    | 81         | 48.3%           |
| K        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| K        | Adult   | Other unintentional injuries                             | 379        | 70.4%           |
| K        | Adult   | Self-harm                                                | 75         | 67.0%           |
| K        | Adult   | Transport injuries                                       | 71         | 81.6%           |
| K        | Adult   | Lower respiratory infections                             | 89         | 39.4%           |

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| Grouping | Module  | Cause group                                              | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
|          |         |                                                          | Deaths (#) | concordance (%) |
| K        | Adult   | Malaria                                                  | 83         | 31.4%           |
| K        | Adult   | Maternal disorders                                       | 72         | 76.5%           |
| K        | Adult   | Other non-communicable diseases                          | 142        | 52.0%           |
| K        | Adult   | Colorectal cancer                                        | 72         | 36.0%           |
| K        | Adult   | Liver cancer                                             | 3          | 22.2%           |
| K        | Adult   | Chronic respiratory diseases                             | 203        | 55.8%           |
| K        | Adult   | Tuberculosis                                             | 74         | 68.0%           |
| K        | Adult   | Tracheal, bronchus, and lung cancer                      | 83         | 44.5%           |
| K        | Adult   | Other neoplasms                                          | 432        | 74.0%           |
| K        | Child   | Other communicable diseases                              | 304        | 81.4%           |
| K        | Child   | Other cardiovascular and circulatory diseases            | 31         | 10.7%           |
| K        | Child   | Diarrheal diseases                                       | 37         | 63.2%           |
| K        | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| K        | Child   | Drowning                                                 | 23         | 100.0%          |
| K        | Child   | Falls                                                    | 35         | 66.7%           |
| K        | Child   | Other unintentional injuries                             | 194        | 95.8%           |
| K        | Child   | Transport injuries                                       | 34         | 86.8%           |
| K        | Child   | Lower respiratory infections                             | 35         | 55.3%           |
| K        | Child   | Malaria                                                  | 30         | 47.5%           |
| K        | Child   | Other non-communicable diseases                          | 33         | 36.3%           |
| K        | Child   | Other respiratory diseases                               | 1          | 0.0%            |
| K        | Child   | Tuberculosis                                             | 4          | 50.0%           |
| K        | Child   | Other neoplasms                                          | 23         | 58.6%           |
| K        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 85.0%           |
| K        | Neonate | Other neonatal disorders                                 | 617        | 60.3%           |
| K        | Neonate | Preterm birth complications                              | 171        | 77.8%           |
| K        | Neonate | Stillbirth                                               | 187        | 87.1%           |
|          |         |                                                          |            |                 |
| L        | Adult   | Breast cancer                                            | 89         | 67.3%           |
| L        | Adult   | Cervical cancer                                          | 77         | 38.0%           |
| L        | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| L        | Adult   | Chronic kidney disease                                   | 75         | 52.0%           |
| L        | Adult   | Other communicable diseases                              | 75         | 48.1%           |
| L        | Adult   | Ischemic heart disease                                   | 79         | 64.3%           |
| L        | Adult   | Other cardiovascular and circulatory diseases            | 70         | 55.3%           |
| L        | Adult   | Cerebrovascular disease                                  | 90         | 72.7%           |
| L        | Adult   | Diabetes mellitus                                        | 75         | 59.5%           |
| L        | Adult   | Diarrheal diseases                                       | 79         | 29.5%           |
| L        | Adult   | HIV/AIDS                                                 | 77         | 68.8%           |
| L        | Adult   | Drowning                                                 | 87         | 70.0%           |
| L        | Adult   | Falls                                                    | 81         | 48.8%           |
| L        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| L        | Adult   | Other unintentional injuries                             | 379        | 71.6%           |
| L        | Adult   | Self-harm                                                | 75         | 66.8%           |
| L        | Adult   | Transport injuries                                       | 71         | 83.2%           |
| L        | Adult   | Lower respiratory infections                             | 89         | 40.1%           |
| L        | Adult   | Malaria                                                  | 83         | 32.8%           |
| L        | Adult   | Maternal disorders                                       | 72         | 76.1%           |
| L        | Adult   | Other non-communicable diseases                          | 142        | 52.6%           |
| L        | Adult   | Tracheal, bronchus, and lung cancer                      | 83         | 39.3%           |
| L        | Adult   | Chronic respiratory diseases                             | 203        | 54.7%           |
| L        | Adult   | Tuberculosis                                             | 74         | 66.9%           |

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| Grouping | Module  | Cause group                                              | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
|          |         |                                                          | Deaths (#) | concordance (%) |
| L        | Adult   | Other neoplasms                                          | 450        | 73.7%           |
| L        | Adult   | Stomach cancer                                           | 65         | 30.8%           |
| L        | Child   | Other communicable diseases                              | 304        | 82.3%           |
| L        | Child   | Other cardiovascular and circulatory diseases            | 31         | 10.7%           |
| L        | Child   | Diarrheal diseases                                       | 37         | 60.6%           |
| L        | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| L        | Child   | Drowning                                                 | 23         | 100.0%          |
| L        | Child   | Falls                                                    | 35         | 66.7%           |
| L        | Child   | Other unintentional injuries                             | 194        | 93.5%           |
| L        | Child   | Transport injuries                                       | 34         | 86.8%           |
| L        | Child   | Lower respiratory infections                             | 35         | 55.8%           |
| L        | Child   | Malaria                                                  | 30         | 46.7%           |
| L        | Child   | Other non-communicable diseases                          | 33         | 41.0%           |
| L        | Child   | Other respiratory diseases                               | 1          | 0.0%            |
| L        | Child   | Tuberculosis                                             | 4          | 0.0%            |
| L        | Child   | Other neoplasms                                          | 23         | 58.6%           |
| L        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.0%           |
| L        | Neonate | Other neonatal disorders                                 | 617        | 57.8%           |
| L        | Neonate | Preterm birth complications                              | 171        | 77.6%           |
| L        | Neonate | Stillbirth                                               | 187        | 86.1%           |
|          |         |                                                          |            |                 |
| M        | Adult   | Breast cancer                                            | 89         | 75.3%           |
| M        | Adult   | Cervical cancer                                          | 77         | 55.2%           |
| M        | Adult   | Esophageal cancer                                        | 62         | 57.1%           |
| M        | Adult   | Leukemia                                                 | 28         | 51.0%           |
| M        | Adult   | Tracheal, bronchus, and lung cancer                      | 83         | 50.0%           |
| M        | Adult   | Lymphoma                                                 | 43         | 25.0%           |
| M        | Adult   | Mouth cancer                                             | 3          | 0.0%            |
| M        | Adult   | Cirrhosis                                                | 91         | 54.7%           |
| M        | Adult   | Chronic kidney disease                                   | 75         | 53.4%           |
| M        | Adult   | Other communicable diseases                              | 75         | 49.2%           |
| M        | Adult   | Ischemic heart disease                                   | 79         | 64.8%           |
| M        | Adult   | Other cardiovascular and circulatory diseases            | 70         | 57.4%           |
| M        | Adult   | Cerebrovascular disease                                  | 90         | 72.7%           |
| M        | Adult   | Diabetes mellitus                                        | 75         | 59.9%           |
| M        | Adult   | Diarrheal diseases                                       | 79         | 31.6%           |
| M        | Adult   | HIV/AIDS                                                 | 77         | 70.4%           |
| M        | Adult   | Drowning                                                 | 87         | 69.6%           |
| M        | Adult   | Falls                                                    | 81         | 49.4%           |
| M        | Adult   | Interpersonal violence                                   | 80         | 61.7%           |
| M        | Adult   | Other unintentional injuries                             | 379        | 71.4%           |
| M        | Adult   | Self-harm                                                | 75         | 63.2%           |
| M        | Adult   | Transport injuries                                       | 71         | 82.0%           |
| M        | Adult   | Lower respiratory infections                             | 89         | 40.0%           |
| M        | Adult   | Malaria                                                  | 83         | 31.4%           |
| M        | Adult   | Maternal disorders                                       | 72         | 75.4%           |
| M        | Adult   | Other non-communicable diseases                          | 142        | 52.9%           |
| M        | Adult   | Other neoplasms                                          | 79         | 56.3%           |
| M        | Adult   | Ovarian cancer                                           | 4          | 0.0%            |
| M        | Adult   | Prostate cancer                                          | 77         | 43.6%           |
| M        | Adult   | Stomach cancer                                           | 65         | 45.8%           |
| M        | Adult   | Chronic respiratory diseases                             | 203        | 52.0%           |

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| Grouping | Module  | Cause group                                              | Percent    |                 |
|----------|---------|----------------------------------------------------------|------------|-----------------|
|          |         |                                                          | Deaths (#) | concordance (%) |
| M        | Adult   | Tuberculosis                                             | 74         | 68.9%           |
| M        | Child   | Other neoplasms                                          | 23         | 58.6%           |
| M        | Child   | Other communicable diseases                              | 304        | 81.8%           |
| M        | Child   | Other cardiovascular and circulatory diseases            | 31         | 10.7%           |
| M        | Child   | Diarrheal diseases                                       | 37         | 63.9%           |
| M        | Child   | HIV/AIDS                                                 | 24         | 50.0%           |
| M        | Child   | Drowning                                                 | 23         | 100.0%          |
| M        | Child   | Falls                                                    | 35         | 62.5%           |
| M        | Child   | Other unintentional injuries                             | 194        | 95.9%           |
| M        | Child   | Transport injuries                                       | 34         | 86.8%           |
| M        | Child   | Lower respiratory infections                             | 35         | 54.1%           |
| M        | Child   | Malaria                                                  | 30         | 42.1%           |
| M        | Child   | Other non-communicable diseases                          | 33         | 50.0%           |
| M        | Child   | Other respiratory diseases                               | 1          | 0.0%            |
| M        | Child   | Tuberculosis                                             | 4          | 50.0%           |
| M        | Neonate | Neonatal encephalopathy due to birth asphyxia and trauma | 167        | 84.4%           |
| M        | Neonate | Other neonatal disorders                                 | 617        | 60.1%           |
| M        | Neonate | Preterm birth complications                              | 171        | 77.7%           |
| M        | Neonate | Stillbirth                                               | 187        | 86.4%           |
|          |         |                                                          |            |                 |
| N        | Adult   | AIDS                                                     | 77         | 68.8%           |
| N        | Adult   | Acute Myocardial Infarction                              | 79         | 64.4%           |
| N        | Adult   | Asthma                                                   | 81         | 41.1%           |
| N        | Adult   | Bite of Venomous Animal                                  | 76         | 100.0%          |
| N        | Adult   | Breast Cancer                                            | 89         | 65.8%           |
| N        | Adult   | COPD                                                     | 84         | 41.8%           |
| N        | Adult   | Cervical Cancer                                          | 77         | 38.9%           |
| N        | Adult   | Cirrhosis                                                | 91         | 53.3%           |
| N        | Adult   | Colorectal Cancer                                        | 72         | 36.0%           |
| N        | Adult   | Diabetes                                                 | 75         | 58.5%           |
| N        | Adult   | Diarrhea/Dysentery                                       | 79         | 30.1%           |
| N        | Adult   | Drowning                                                 | 87         | 70.0%           |
| N        | Adult   | Epilepsy                                                 | 76         | 33.5%           |
| N        | Adult   | Esophageal Cancer                                        | 62         | 46.9%           |
| N        | Adult   | Falls                                                    | 81         | 51.3%           |
| N        | Adult   | Fires                                                    | 65         | 45.7%           |
| N        | Adult   | Homicide                                                 | 80         | 61.7%           |
| N        | Adult   | Leukemia/Lymphomas                                       | 73         | 27.5%           |
| N        | Adult   | Lung Cancer                                              | 83         | 39.3%           |
| N        | Adult   | Malaria                                                  | 83         | 31.4%           |
| N        | Adult   | Maternal                                                 | 72         | 76.0%           |
| N        | Adult   | Other Cardiovascular Diseases                            | 70         | 55.3%           |
| N        | Adult   | Other Infectious Diseases                                | 75         | 47.6%           |
| N        | Adult   | Other Injuries                                           | 58         | 75.0%           |
| N        | Adult   | Other Non-communicable Diseases                          | 79         | 61.4%           |
| N        | Adult   | Pneumonia                                                | 89         | 40.1%           |
| N        | Adult   | Poisonings                                               | 88         | 5.1%            |
| N        | Adult   | Prostate Cancer                                          | 77         | 24.7%           |
| N        | Adult   | Renal Failure                                            | 75         | 51.9%           |
| N        | Adult   | Road Traffic                                             | 71         | 84.2%           |
| N        | Adult   | Stomach Cancer                                           | 65         | 26.9%           |
| N        | Adult   | Stroke                                                   | 90         | 73.1%           |

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| Grouping | Module  | Cause group                             | Percent    |                 |
|----------|---------|-----------------------------------------|------------|-----------------|
|          |         |                                         | Deaths (#) | concordance (%) |
| N        | Adult   | Suicide                                 | 75         | 66.8%           |
| N        | Adult   | TB                                      | 74         | 67.8%           |
| N        | Child   | AIDS                                    | 24         | 50.0%           |
| N        | Child   | Bite of Venomous Animal                 | 36         | 100.0%          |
| N        | Child   | Cancers                                 | 23         | 58.6%           |
| N        | Child   | Diarrhea/Dysentery                      | 37         | 62.0%           |
| N        | Child   | Drowning                                | 23         | 100.0%          |
| N        | Child   | Encephalitis                            | 43         | 37.9%           |
| N        | Child   | Falls                                   | 35         | 64.0%           |
| N        | Child   | Fires                                   | 37         | 64.9%           |
| N        | Child   | Hemorrhagic fever                       | 31         | 63.4%           |
| N        | Child   | Malaria                                 | 30         | 47.3%           |
| N        | Child   | Measles                                 | 24         | 38.9%           |
| N        | Child   | Meningitis                              | 30         | 40.0%           |
| N        | Child   | Other Cardiovascular Diseases           | 31         | 10.7%           |
| N        | Child   | Other Defined Causes of Childhood Death | 31         | 60.0%           |
| N        | Child   | Other Digestive Diseases                | 33         | 36.3%           |
| N        | Child   | Other Infectious Diseases               | 28         | 36.5%           |
| N        | Child   | Pneumonia                               | 35         | 55.4%           |
| N        | Child   | Poisonings                              | 39         | 75.2%           |
| N        | Child   | Road Traffic                            | 34         | 86.8%           |
| N        | Child   | Sepsis                                  | 37         | 7.4%            |
| N        | Child   | Violent Death                           | 30         | 100.0%          |
| N        | Neonate | Birth asphyxia                          | 167        | 85.1%           |
| N        | Neonate | Congenital malformation                 | 170        | 53.6%           |
| N        | Neonate | Meningitis/Sepsis                       | 171        | 35.1%           |
| N        | Neonate | Pneumonia                               | 149        | 20.8%           |
| N        | Neonate | Preterm Delivery                        | 171        | 77.9%           |
| N        | Neonate | Stillbirth                              | 187        | 86.6%           |

**Supplementary Table 2. Map of ICD-10 codes to cause groups.**

| ICD-10 | ICD-10 name                                                                      | Cause group                  |
|--------|----------------------------------------------------------------------------------|------------------------------|
| A00    | Cholera                                                                          | Diarrheal diseases           |
| A02    | Other salmonella infections                                                      | Diarrheal diseases           |
| A03    | Shigellosis                                                                      | Diarrheal diseases           |
| A04    | Other bacterial intestinal infections                                            | Diarrheal diseases           |
| A05    | Other bacterial foodborne intoxications, not elsewhere classified                | Diarrheal diseases           |
| A06    | Amebiasis                                                                        | Diarrheal diseases           |
| A06.4  | Amebic liver abscess                                                             | Diarrheal diseases           |
| A07    | Other protozoal intestinal diseases                                              | Diarrheal diseases           |
| A08    | Viral and other specified intestinal infections                                  | Diarrheal diseases           |
| A09    | Infectious gastroenteritis and colitis, unspecified                              | Diarrheal diseases           |
| E86    | Volume depletion                                                                 | Diarrheal diseases           |
| E87    | Other disorders of fluid, electrolyte and acid-base balance                      | Diarrheal diseases           |
| A31    | Infection due to other mycobacteria                                              | HIV/AIDS                     |
| B20    | Human immunodeficiency virus [HIV] disease                                       | HIV/AIDS                     |
| B20.0  | HIV disease resulting in mycobacterial infection                                 | HIV/AIDS                     |
| B21    | Human immunodeficiency virus [HIV] disease resulting in malignant neoplasms      | HIV/AIDS                     |
| B22    | Human immunodeficiency virus [HIV] disease resulting in other specified diseases | HIV/AIDS                     |
| B23    | Human immunodeficiency virus [HIV] disease resulting in other conditions         | HIV/AIDS                     |
| B24    | Unspecified human immunodeficiency virus [HIV] disease                           | HIV/AIDS                     |
| B36    | Other superficial mycoses                                                        | HIV/AIDS                     |
| B37    | Candidiasis                                                                      | HIV/AIDS                     |
| B39    | Histoplasmosis                                                                   | HIV/AIDS                     |
| B42    | Sporotrichosis                                                                   | HIV/AIDS                     |
| B44    | Aspergillosis                                                                    | HIV/AIDS                     |
| B45    | Cryptococcosis                                                                   | HIV/AIDS                     |
| B49    | Unspecified mycosis                                                              | HIV/AIDS                     |
| B58    | Toxoplasmosis                                                                    | HIV/AIDS                     |
| B59    | Pneumocystosis                                                                   | HIV/AIDS                     |
| C46    | Kaposi's sarcoma                                                                 | HIV/AIDS                     |
| D84    | Other immunodeficiencies                                                         | HIV/AIDS                     |
| A70    | Chlamydia psittaci infections(Psittacosis)                                       | Lower respiratory infections |
| I00    | Rheumatic fever without heart involvement                                        | Lower respiratory infections |
| J02    | Acute pharyngitis                                                                | Lower respiratory infections |
| J09    | Influenza due to certain identified influenza viruses                            | Lower respiratory infections |
| J11    | Influenza due to unidentified influenza virus                                    | Lower respiratory infections |
| J12    | Viral pneumonia, not elsewhere classified                                        | Lower respiratory infections |
| J13    | Pneumonia due to Streptococcus pneumoniae                                        | Lower respiratory infections |
| J14    | Pneumonia due to Hemophilus influenzae                                           | Lower respiratory infections |
| J15    | Bacterial pneumonia, not elsewhere classified                                    | Lower respiratory infections |
| J16    | Pneumonia due to other infectious organisms, not elsewhere classified            | Lower respiratory infections |
| J18    | Pneumonia, unspecified organism                                                  | Lower respiratory infections |
| J20    | Acute bronchitis                                                                 | Lower respiratory infections |
| J21    | Acute bronchiolitis                                                              | Lower respiratory infections |
| J22    | Unspecified acute lower respiratory infection                                    | Lower respiratory infections |
| J24    | There is not this code in ICD10 site, but we have this in mortality data         | Lower respiratory infections |
| J27    | There is not this code in ICD10 site, but we have this in mortality data         | Lower respiratory infections |
| J28    | There is not this code in ICD10 site, but we have this in mortality data         | Lower respiratory infections |
| J31    | Chronic rhinitis, nasopharyngitis and pharyngitis                                | Lower respiratory infections |
| J33    | Nasal polyp                                                                      | Lower respiratory infections |
| J36    | Peritonsillar abscess                                                            | Lower respiratory infections |
| J38    | Diseases of vocal cords and larynx, not elsewhere classified                     | Lower respiratory infections |
| P23    | Congenital pneumonia                                                             | Lower respiratory infections |
| R05    | Cough                                                                            | Lower respiratory infections |
| B50    | Plasmodium falciparum malaria                                                    | Malaria                      |
| B50.0  | Plasmodium falciparum malaria with cerebral complications                        | Malaria                      |
| B51    | Plasmodium vivax malaria                                                         | Malaria                      |

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| ICD-10 | ICD-10 name                                                                     | Cause group                 |
|--------|---------------------------------------------------------------------------------|-----------------------------|
| B52    | Plasmodium malariae malaria                                                     | Malaria                     |
| B53    | Other specified malaria                                                         | Malaria                     |
| B54    | Unspecified malaria                                                             | Malaria                     |
| A15    |                                                                                 | Tuberculosis                |
| A16    | Respiratory tuberculosis, not confirmed bacteriologically or histologically     | Tuberculosis                |
| A17    | Tuberculosis of nervous system                                                  | Tuberculosis                |
| A18    | Tuberculosis of other organs                                                    | Tuberculosis                |
| A19    | Miliary tuberculosis                                                            | Tuberculosis                |
| B90    | Sequelae of tuberculosis                                                        | Tuberculosis                |
| R04    | Hemorrhage from respiratory passages                                            | Tuberculosis                |
| A75    | Typhus fever                                                                    | Neglected tropical diseases |
| A82    | Rabies                                                                          | Neglected tropical diseases |
| A90    | Dengue fever [classical dengue]                                                 | Neglected tropical diseases |
| A91    | Dengue hemorrhagic fever                                                        | Neglected tropical diseases |
| A92    | Other mosquito-borne viral fevers                                               | Neglected tropical diseases |
| A94    | Unspecified arthropod-borne viral fever                                         | Neglected tropical diseases |
| A95    | Yellow fever                                                                    | Neglected tropical diseases |
| B55    | Leishmaniasis                                                                   | Neglected tropical diseases |
| B56    | African trypanosomiasis                                                         | Neglected tropical diseases |
| B65    | Schistosomiasis [bilharziasis]                                                  | Neglected tropical diseases |
| B69    | Cysticercosis                                                                   | Neglected tropical diseases |
| B72    | Dracunculiasis                                                                  | Neglected tropical diseases |
| B74    | Filariasis                                                                      | Neglected tropical diseases |
| B77    | Ascariasis                                                                      | Neglected tropical diseases |
| B82    | Unspecified intestinal parasitism                                               | Neglected tropical diseases |
| B83    | Other helminthiasis                                                             | Neglected tropical diseases |
| N82    | Fistulae involving female genital tract                                         | Maternal disorders          |
| O00    | Ectopic pregnancy                                                               | Maternal disorders          |
| O01    | Hydatidiform mole                                                               | Maternal disorders          |
| O02    | Other abnormal products of conception                                           | Maternal disorders          |
| O03    | Spontaneous abortion                                                            | Maternal disorders          |
| O04    | Complications following (induced) termination of pregnancy                      | Maternal disorders          |
| O05    | Other abortion                                                                  | Maternal disorders          |
| O06    | Unspecified abortion                                                            | Maternal disorders          |
| O07    | Failed attempted termination of pregnancy                                       | Maternal disorders          |
| O08    | Complications following ectopic and molar pregnancy                             | Maternal disorders          |
| O10    | Pre-existing hypertension complicating pregnancy, childbirth and the puerperium | Maternal disorders          |
| O11    | Pre-existing hypertension with pre-eclampsia                                    | Maternal disorders          |
| O12    | Gestational [pregnancy-induced] edema and proteinuria without hypertension      | Maternal disorders          |
| O13    | Gestational [pregnancy-induced] hypertension without significant proteinuria    | Maternal disorders          |
| O14    | Pre-eclampsia                                                                   | Maternal disorders          |
| O15    | Eclampsia                                                                       | Maternal disorders          |
| O16    | Unspecified maternal hypertension                                               | Maternal disorders          |
| O20    | Hemorrhage in early pregnancy                                                   | Maternal disorders          |
| O21    | Excessive vomiting in pregnancy                                                 | Maternal disorders          |
| O22    | Venous complications and hemorrhoids in pregnancy                               | Maternal disorders          |
| O24    | Diabetes mellitus in pregnancy, childbirth, and the puerperium                  | Maternal disorders          |
| O26    | Maternal care for other conditions predominantly related to pregnancy           | Maternal disorders          |
| O29    | Complications of anesthesia during pregnancy                                    | Maternal disorders          |
| O30    | Multiple gestation                                                              | Maternal disorders          |
| O36    | Maternal care for other fetal problems                                          | Maternal disorders          |
| O40    | Polyhydramnios                                                                  | Maternal disorders          |
| O42    | Premature rupture of membranes                                                  | Maternal disorders          |
| O44    | Placenta previa                                                                 | Maternal disorders          |
| O45    | Premature separation of placenta [abruptio placentae]                           | Maternal disorders          |
| O46    | Antepartum hemorrhage, not elsewhere classified                                 | Maternal disorders          |
| O48    | Late pregnancy                                                                  | Maternal disorders          |



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| ICD-10 | ICD-10 name                                                                                                                                                                     | Cause group                                              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| O60    | Preterm labor                                                                                                                                                                   | Maternal disorders                                       |
| O61    | Failed induction of labor                                                                                                                                                       | Maternal disorders                                       |
| O62    | Abnormalities of forces of labor                                                                                                                                                | Maternal disorders                                       |
| O63    | Long labor                                                                                                                                                                      | Maternal disorders                                       |
| O64    | Obstructed labor due to malposition and malpresentation of fetus                                                                                                                | Maternal disorders                                       |
| O65    | Obstructed labor due to maternal pelvic abnormality                                                                                                                             | Maternal disorders                                       |
| O66    | Other obstructed labor                                                                                                                                                          | Maternal disorders                                       |
| O66.9  | Obstructed labor, unspecified                                                                                                                                                   | Maternal disorders                                       |
| O67    | Labor and delivery complicated by intrapartum hemorrhage, not elsewhere classified                                                                                              | Maternal disorders                                       |
| O68    | Labor and delivery complicated by abnormality of fetal acid-base balance                                                                                                        | Maternal disorders                                       |
| O69    | Labor and delivery complicated by umbilical cord complications                                                                                                                  | Maternal disorders                                       |
| O71    | Other obstetric trauma                                                                                                                                                          | Maternal disorders                                       |
| O72    | Postpartum hemorrhage                                                                                                                                                           | Maternal disorders                                       |
| O73    | Retained placenta and membranes, without hemorrhage                                                                                                                             | Maternal disorders                                       |
| O74    | Complications of anesthesia during labor and delivery                                                                                                                           | Maternal disorders                                       |
| O75    | Other complications of labor and delivery, not elsewhere classified                                                                                                             | Maternal disorders                                       |
| O75.9  | Complication of labor and delivery, unspecified                                                                                                                                 | Maternal disorders                                       |
| O79    | There is not this code in ICD10 site, but we have this in mortality data                                                                                                        | Maternal disorders                                       |
| O82    | Encounter for cesarean delivery without indication                                                                                                                              | Maternal disorders                                       |
| O84    | Multiple delivery                                                                                                                                                               | Maternal disorders                                       |
| O85    | Puerperal sepsis                                                                                                                                                                | Maternal disorders                                       |
| O86    | Other puerperal infections                                                                                                                                                      | Maternal disorders                                       |
| O87    | Venous complications and hemorrhoids in the puerperium                                                                                                                          | Maternal disorders                                       |
| O88    | Obstetric embolism                                                                                                                                                              | Maternal disorders                                       |
| O89    | Complications of anesthesia during the puerperium                                                                                                                               | Maternal disorders                                       |
| O90    | Complications of the puerperium, not elsewhere classified                                                                                                                       | Maternal disorders                                       |
| O91    | Infections of breast associated with pregnancy, the puerperium and lactation                                                                                                    | Maternal disorders                                       |
| O92    | Other disorders of breast and disorders of lactation associated with pregnancy and the puerperium                                                                               | Maternal disorders                                       |
| O95    | Obstetric death of unspecified cause                                                                                                                                            | Maternal disorders                                       |
| O96    | Death from any obstetric cause occurring more than 42 days but less than one year after delivery                                                                                | Maternal disorders                                       |
| O97    | Death from sequelae of direct obstetric causes :one year or more after delivery (Death from any obstetric cause (direct or indirect) occurring one year or more after delivery) | Maternal disorders                                       |
| O98    | Maternal infectious and parasitic diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium                                                     | Maternal disorders                                       |
| O99    | Other maternal diseases classifiable elsewhere but complicating pregnancy, childbirth and the puerperium                                                                        | Maternal disorders                                       |
| P02    | Newborn (suspected to be) affected by complications of placenta, cord and membranes                                                                                             | Neonatal encephalopathy due to birth asphyxia and trauma |
| P03    | Newborn (suspected to be) affected by other complications of labor and delivery                                                                                                 | Neonatal encephalopathy due to birth asphyxia and trauma |
| P10    | Intracranial laceration and hemorrhage due to birth injury                                                                                                                      | Neonatal encephalopathy due to birth asphyxia and trauma |
| P11    | Other birth injuries to central nervous system                                                                                                                                  | Neonatal encephalopathy due to birth asphyxia and trauma |
| P12    | Birth injury to scalp                                                                                                                                                           | Neonatal encephalopathy due to birth asphyxia and trauma |
| P13    | Birth injury to skeleton                                                                                                                                                        | Neonatal encephalopathy due to birth asphyxia and trauma |
| P15    | Other birth injuries                                                                                                                                                            | Neonatal encephalopathy due to birth asphyxia and trauma |
| P15.9  | Birth injury, unspecified                                                                                                                                                       | Neonatal encephalopathy due to birth asphyxia and trauma |
| P20    | Intrauterine hypoxia                                                                                                                                                            | Neonatal encephalopathy due to birth asphyxia and trauma |

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| ICD-10 | ICD-10 name                                                                                          | Cause group                                              |
|--------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| P21    | Birth asphyxia                                                                                       | Neonatal encephalopathy due to birth asphyxia and trauma |
| P24    | Neonatal aspiration                                                                                  | Neonatal encephalopathy due to birth asphyxia and trauma |
| P24.0  | Meconium aspiration                                                                                  | Neonatal encephalopathy due to birth asphyxia and trauma |
| P25    | Interstitial emphysema and related conditions originating in the perinatal period                    | Neonatal encephalopathy due to birth asphyxia and trauma |
| P90    | Convulsions of newborn                                                                               | Neonatal encephalopathy due to birth asphyxia and trauma |
| P91    | Other disturbances of cerebral status of newborn                                                     | Neonatal encephalopathy due to birth asphyxia and trauma |
| P07    | Disorders of newborn related to short gestation and low birth weight, not elsewhere classified       | Preterm birth complications                              |
| P07.2  | Extreme immaturity of newborn                                                                        | Preterm birth complications                              |
| P22    | Respiratory distress of newborn                                                                      | Preterm birth complications                              |
| P28    | Other respiratory conditions originating in the perinatal period                                     | Preterm birth complications                              |
| P00    | Newborn (suspected to be) affected by maternal conditions that may be unrelated to present pregnancy | Other neonatal disorders                                 |
| P01    | Newborn (suspected to be) affected by maternal complications of pregnancy                            | Other neonatal disorders                                 |
| P04    | Newborn (suspected to be) affected by noxious substances transmitted via placenta or breast milk     | Other neonatal disorders                                 |
| P05    | Disorders of newborn related to slow fetal growth and fetal malnutrition                             | Other neonatal disorders                                 |
| P08    | Disorders of newborn related to long gestation and high birth weight                                 | Other neonatal disorders                                 |
| P29    | Cardiovascular disorders originating in the perinatal period                                         | Other neonatal disorders                                 |
| P36    | Bacterial sepsis of newborn                                                                          | Other neonatal disorders                                 |
| P38    | Omphalitis of newborn                                                                                | Other neonatal disorders                                 |
| P39    | Other infections specific to the perinatal period                                                    | Other neonatal disorders                                 |
| P50    | Newborn affected by intrauterine (fetal) blood loss                                                  | Other neonatal disorders                                 |
| P51    | Umbilical hemorrhage of newborn                                                                      | Other neonatal disorders                                 |
| P52    | Intracranial nontraumatic hemorrhage of newborn                                                      | Other neonatal disorders                                 |
| P53    | Hemorrhagic disease of newborn                                                                       | Other neonatal disorders                                 |
| P54    | Other neonatal hemorrhages                                                                           | Other neonatal disorders                                 |
| P55    | Hemolytic disease of newborn                                                                         | Other neonatal disorders                                 |
| P57    | Kernicterus                                                                                          | Other neonatal disorders                                 |
| P58    | Neonatal jaundice due to other excessive hemolysis                                                   | Other neonatal disorders                                 |
| P59    | Neonatal jaundice from other and unspecified causes                                                  | Other neonatal disorders                                 |
| P60    | Disseminated intravascular coagulation of newborn                                                    | Other neonatal disorders                                 |
| P61    | Other perinatal hematological disorders                                                              | Other neonatal disorders                                 |
| P70    | Transitory disorders of carbohydrate metabolism specific to newborn                                  | Other neonatal disorders                                 |
| P74    | Other transitory neonatal electrolyte and metabolic disturbances                                     | Other neonatal disorders                                 |
| P76    | Other intestinal obstruction of newborn                                                              | Other neonatal disorders                                 |
| P78    | Other perinatal digestive system disorders                                                           | Other neonatal disorders                                 |
| P80    | Hypothermia of newborn                                                                               | Other neonatal disorders                                 |
| P81    | Other disturbances of temperature regulation of newborn                                              | Other neonatal disorders                                 |
| P83    | Other conditions of integument specific to newborn                                                   | Other neonatal disorders                                 |
| P92    | Feeding problems of newborn                                                                          | Other neonatal disorders                                 |
| P93    | Reactions and intoxications due to drugs administered to newborn                                     | Other neonatal disorders                                 |
| P96    | Other conditions originating in the perinatal period                                                 | Other neonatal disorders                                 |
| P99    | There is not this code in ICD10 site, but we have this in mortality data                             | Other neonatal disorders                                 |
| D50    | Iron deficiency anemia                                                                               | Other communicable and nutritional diseases              |
| D53    | Other nutritional anemias                                                                            | Other communicable and nutritional diseases              |
| D54    | There is not this code in ICD10 site, but we have this in mortality data                             | Other communicable and nutritional diseases              |

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| ICD-10 | ICD-10 name                                                       | Cause group                                 |
|--------|-------------------------------------------------------------------|---------------------------------------------|
| D62    | Acute posthemorrhagic anemia                                      | Other communicable and nutritional diseases |
| D63    | Anemia in chronic diseases classified elsewhere                   | Other communicable and nutritional diseases |
| D64.9  | Anemia, unspecified                                               | Other communicable and nutritional diseases |
| D69.9  | Hemorrhagic condition, unspecified                                | Other communicable and nutritional diseases |
| E01    | Iodine-deficiency related thyroid disorders and allied conditions | Other communicable and nutritional diseases |
| E40    | Kwashiorkor                                                       | Other communicable and nutritional diseases |
| E41    | Nutritional marasmus                                              | Other communicable and nutritional diseases |
| E42    | Marasmic kwashiorkor                                              | Other communicable and nutritional diseases |
| E43    | Unspecified severe protein-calorie malnutrition                   | Other communicable and nutritional diseases |
| E44    | Protein-calorie malnutrition of moderate and mild degree          | Other communicable and nutritional diseases |
| E45    | Retarded development following protein-calorie malnutrition       | Other communicable and nutritional diseases |
| E46    | Unspecified protein-calorie malnutrition                          | Other communicable and nutritional diseases |
| E50    | Vitamin A deficiency                                              | Other communicable and nutritional diseases |
| E60    | Dietary zinc deficiency                                           | Other communicable and nutritional diseases |
| E61    | Deficiency of other nutrient elements                             | Other communicable and nutritional diseases |
| E63    | Other nutritional deficiencies                                    | Other communicable and nutritional diseases |
| E64    | Sequelae of malnutrition and other nutritional deficiencies       | Other communicable and nutritional diseases |
| E74    | Other disorders of carbohydrate metabolism                        | Other communicable and nutritional diseases |
| A01    | Typhoid and paratyphoid fevers                                    | Other communicable and nutritional diseases |
| A01.0  | Typhoid fever                                                     | Other communicable and nutritional diseases |
| A22    | Anthrax                                                           | Other communicable and nutritional diseases |
| A24    | Glanders and melioidosis                                          | Other communicable and nutritional diseases |
| A27    | Leptospirosis                                                     | Other communicable and nutritional diseases |
| A28    | Other zoonotic bacterial diseases, not elsewhere classified       | Other communicable and nutritional diseases |
| A30    | Leprosy [Hansen's disease]                                        | Other communicable and nutritional diseases |
| A33    | Tetanus neonatorum                                                | Other communicable and nutritional diseases |
| A35    | Other tetanus                                                     | Other communicable and nutritional diseases |
| A36    | Diphtheria                                                        | Other communicable and nutritional diseases |

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| ICD-10 | ICD-10 name                                                                                        | Cause group                                 |
|--------|----------------------------------------------------------------------------------------------------|---------------------------------------------|
| A37    | Whooping cough                                                                                     | Other communicable and nutritional diseases |
| A39    | Meningococcal infection                                                                            | Other communicable and nutritional diseases |
| A50    | Congenital syphilis                                                                                | Other communicable and nutritional diseases |
| A51    | Early syphilis                                                                                     | Other communicable and nutritional diseases |
| A53    | Other and unspecified syphilis                                                                     | Other communicable and nutritional diseases |
| A54    | Gonococcal infection                                                                               | Other communicable and nutritional diseases |
| A60    | Anogenital herpesviral [herpes simplex] infections                                                 | Other communicable and nutritional diseases |
| A64    | Unspecified sexually transmitted disease                                                           | Other communicable and nutritional diseases |
| A69    | Other spirochetal infections                                                                       | Other communicable and nutritional diseases |
| A80    | Acute poliomyelitis                                                                                | Other communicable and nutritional diseases |
| A83    | Mosquito-borne viral encephalitis                                                                  | Other communicable and nutritional diseases |
| A85    | Other viral encephalitis, not elsewhere classified                                                 | Other communicable and nutritional diseases |
| A86    | Unspecified viral encephalitis                                                                     | Other communicable and nutritional diseases |
| A87    | Viral meningitis                                                                                   | Other communicable and nutritional diseases |
| A88    | Other viral infections of central nervous system, not elsewhere classified                         | Other communicable and nutritional diseases |
| A89    | Unspecified viral infection of central nervous system                                              | Other communicable and nutritional diseases |
| A99    | Unspecified viral hemorrhagic fever                                                                | Other communicable and nutritional diseases |
| B00    | Herpesviral [herpes simplex] infections                                                            | Other communicable and nutritional diseases |
| B01    | Varicella [chickenpox]                                                                             | Other communicable and nutritional diseases |
| B02    | Zoster [herpes zoster]                                                                             | Other communicable and nutritional diseases |
| B05    | Measles                                                                                            | Other communicable and nutritional diseases |
| B05.2  | Measles complicated by pneumonia                                                                   | Other communicable and nutritional diseases |
| B08    | Other viral infections characterized by skin and mucous membrane lesions, not elsewhere classified | Other communicable and nutritional diseases |
| B15    | Acute hepatitis A                                                                                  | Other communicable and nutritional diseases |
| B16    | Acute hepatitis B                                                                                  | Other communicable and nutritional diseases |
| B17    | Other acute viral hepatitis                                                                        | Other communicable and nutritional diseases |
| B19    | Unspecified viral hepatitis                                                                        | Other communicable and nutritional diseases |
| B26    | Mumps                                                                                              | Other communicable and nutritional diseases |

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| ICD-10 | ICD-10 name                                                                         | Cause group                                 |
|--------|-------------------------------------------------------------------------------------|---------------------------------------------|
| B33    | Other viral diseases, not elsewhere classified                                      | Other communicable and nutritional diseases |
| B91    | Sequelae of poliomyelitis                                                           | Other communicable and nutritional diseases |
| B92    | Sequelae of leprosy                                                                 | Other communicable and nutritional diseases |
| G00    | Bacterial meningitis, not elsewhere classified                                      | Other communicable and nutritional diseases |
| G01    | Meningitis in bacterial diseases classified elsewhere                               | Other communicable and nutritional diseases |
| G03    | Meningitis due to other and unspecified causes                                      | Other communicable and nutritional diseases |
| G03.9  | Meningitis, unspecified                                                             | Other communicable and nutritional diseases |
| G04    | Encephalitis, myelitis and encephalomyelitis                                        | Other communicable and nutritional diseases |
| G04.2  | Bacterial meningoencephalitis and meningomyelitis, not elsewhere classified         | Other communicable and nutritional diseases |
| G05    | Encephalitis, myelitis and encephalomyelitis in diseases classified elsewhere       | Other communicable and nutritional diseases |
| G06    | Intracranial and intraspinal abscess and granuloma                                  | Other communicable and nutritional diseases |
| G07    | Intracranial and intraspinal abscess and granuloma in diseases classified elsewhere | Other communicable and nutritional diseases |
| G08    | Intracranial and intraspinal phlebitis and thrombophlebitis                         | Other communicable and nutritional diseases |
| G09    | Sequelae of inflammatory diseases of central nervous system                         | Other communicable and nutritional diseases |
| H70    | Mastoiditis and related conditions                                                  | Other communicable and nutritional diseases |
| I02    | Rheumatic chorea                                                                    | Other communicable and nutritional diseases |
| J05    | Acute obstructive laryngitis [croup] and epiglottitis                               | Other communicable and nutritional diseases |
| K63    | Other diseases of intestine                                                         | Other communicable and nutritional diseases |
| N70    | Salpingitis and oophoritis                                                          | Other communicable and nutritional diseases |
| N71    | Inflammatory disease of uterus, except cervix                                       | Other communicable and nutritional diseases |
| N73    | Other female pelvic inflammatory diseases                                           | Other communicable and nutritional diseases |
| P35    | Congenital viral diseases                                                           | Other communicable and nutritional diseases |
| P37    | Other congenital infectious and parasitic diseases                                  | Other communicable and nutritional diseases |
| P37.9  | Congenital infectious or parasitic disease, unspecified                             | Other communicable and nutritional diseases |
| C33    | Malignant neoplasm of trachea                                                       | Tracheal, bronchus, and lung cancer         |
| C34    | Malignant neoplasm of bronchus and lung                                             | Tracheal, bronchus, and lung cancer         |
| C50    | Malignant neoplasm of breast                                                        | Breast cancer                               |
| D05    | Carcinoma in situ of breast                                                         | Breast cancer                               |
| C53    | Malignant neoplasm of cervix uteri                                                  | Cervical cancer                             |
| D06    | Carcinoma in situ of cervix uteri                                                   | Cervical cancer                             |

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| ICD-10 | ICD-10 name                                                                                 | Cause group               |
|--------|---------------------------------------------------------------------------------------------|---------------------------|
| C00    | Malignant neoplasm of lip                                                                   | Other malignant neoplasms |
| C01    | Malignant neoplasm of base of tongue                                                        | Other malignant neoplasms |
| C02    | Malignant neoplasm of other and unspecified parts of tongue                                 | Other malignant neoplasms |
| C03    | Malignant neoplasm of gum                                                                   | Other malignant neoplasms |
| C04    | Malignant neoplasm of floor of mouth                                                        | Other malignant neoplasms |
| C05    | Malignant neoplasm of palate                                                                | Other malignant neoplasms |
| C06    | Malignant neoplasm of other and unspecified parts of mouth                                  | Other malignant neoplasms |
| C07    | Malignant neoplasm of parotid gland                                                         | Other malignant neoplasms |
| C08    | Malignant neoplasm of other and unspecified major salivary glands                           | Other malignant neoplasms |
| C09    | Malignant neoplasm of tonsil                                                                | Other malignant neoplasms |
| C10    | Malignant neoplasm of oropharynx                                                            | Other malignant neoplasms |
| C11    | Malignant neoplasm of nasopharynx                                                           | Other malignant neoplasms |
| C12    | Malignant neoplasm of pyriform sinus                                                        | Other malignant neoplasms |
| C13    | Malignant neoplasm of hypopharynx                                                           | Other malignant neoplasms |
| C15    | Malignant neoplasm of esophagus                                                             | Other malignant neoplasms |
| C16    | Malignant neoplasm of stomach                                                               | Other malignant neoplasms |
| C17    | Malignant neoplasm of small intestine                                                       | Other malignant neoplasms |
| C18    | Malignant neoplasm of colon                                                                 | Other malignant neoplasms |
| C19    | Malignant neoplasm of rectosigmoid junction                                                 | Other malignant neoplasms |
| C20    | Malignant neoplasm of rectum                                                                | Other malignant neoplasms |
| C21    | Malignant neoplasm of anus and anal canal                                                   | Other malignant neoplasms |
| C22    | Malignant neoplasm of liver and intrahepatic bile ducts                                     | Other malignant neoplasms |
| C23    | Malignant neoplasm of gallbladder                                                           | Other malignant neoplasms |
| C24    | Malignant neoplasm of other and unspecified parts of biliary tract                          | Other malignant neoplasms |
| C25    | Malignant neoplasm of pancreas                                                              | Other malignant neoplasms |
| C30    | Malignant neoplasm of nasal cavity and middle ear                                           | Other malignant neoplasms |
| C31    | Malignant neoplasm of accessory sinuses                                                     | Other malignant neoplasms |
| C32    | Malignant neoplasm of larynx                                                                | Other malignant neoplasms |
| C37    | Malignant neoplasm of thymus                                                                | Other malignant neoplasms |
| C38    | Malignant neoplasm of heart, mediastinum and pleura                                         | Other malignant neoplasms |
| C40    | Malignant neoplasm of bone and articular cartilage of limbs                                 | Other malignant neoplasms |
| C41    | Malignant neoplasm of bone and articular cartilage of other and unspecified sites           | Other malignant neoplasms |
| C43    | Malignant melanoma of skin                                                                  | Other malignant neoplasms |
| C44    | Other and unspecified malignant neoplasm of skin                                            | Other malignant neoplasms |
| C45    | Mesothelioma                                                                                | Other malignant neoplasms |
| C47    | Malignant neoplasm of peripheral nerves and autonomic nervous system                        | Other malignant neoplasms |
| C48    | Malignant neoplasm of retroperitoneum and peritoneum                                        | Other malignant neoplasms |
| C49    | Malignant neoplasm of other connective and soft tissue                                      | Other malignant neoplasms |
| C51    | Malignant neoplasm of vulva                                                                 | Other malignant neoplasms |
| C52    | Malignant neoplasm of vagina                                                                | Other malignant neoplasms |
| C54    | Malignant neoplasm of corpus uteri                                                          | Other malignant neoplasms |
| C56    | Malignant neoplasm of ovary                                                                 | Other malignant neoplasms |
| C57    | Malignant neoplasm of other and unspecified female genital organs                           | Other malignant neoplasms |
| C58    | Malignant neoplasm of placenta                                                              | Other malignant neoplasms |
| C59    | There is not this code in ICD10 site, but we have this in mortality data                    | Other malignant neoplasms |
| C60    | Malignant neoplasm of penis                                                                 | Other malignant neoplasms |
| C61    | Malignant neoplasm of prostate                                                              | Other malignant neoplasms |
| C62    | Malignant neoplasm of testis                                                                | Other malignant neoplasms |
| C63    | Malignant neoplasm of other and unspecified male genital organs                             | Other malignant neoplasms |
| C64    | Malignant neoplasm of kidney, except renal pelvis                                           | Other malignant neoplasms |
| C65    | Malignant neoplasm of renal pelvis                                                          | Other malignant neoplasms |
| C66    | Malignant neoplasm of ureter                                                                | Other malignant neoplasms |
| C67    | Malignant neoplasm of bladder                                                               | Other malignant neoplasms |
| C69    | Malignant neoplasm of eye and adnexa                                                        | Other malignant neoplasms |
| C70    | Malignant neoplasm of meninges                                                              | Other malignant neoplasms |
| C71    | Malignant neoplasm of brain                                                                 | Other malignant neoplasms |
| C72    | Malignant neoplasm of spinal cord, cranial nerves and other parts of central nervous system | Other malignant neoplasms |

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| ICD-10 | ICD-10 name                                                                             | Cause group               |
|--------|-----------------------------------------------------------------------------------------|---------------------------|
| C73    | Malignant neoplasm of thyroid gland                                                     | Other malignant neoplasms |
| C74    | Malignant neoplasm of adrenal gland                                                     | Other malignant neoplasms |
| C75    | Malignant neoplasm of other endocrine glands and related structures                     | Other malignant neoplasms |
| C81    | Hodgkin lymphoma                                                                        | Other malignant neoplasms |
| C82    | Follicular lymphoma                                                                     | Other malignant neoplasms |
| C83    | Non-follicular lymphoma                                                                 | Other malignant neoplasms |
| C84    | Mature T/NK-cell lymphomas                                                              | Other malignant neoplasms |
| C85    | Other specified and unspecified types of non-Hodgkin lymphoma                           | Other malignant neoplasms |
| C90    | Multiple myeloma and malignant plasma cell neoplasms                                    | Other malignant neoplasms |
| C91    | Lymphoid leukemia                                                                       | Other malignant neoplasms |
| C92    | Myeloid leukemia                                                                        | Other malignant neoplasms |
| C94    | Other leukemias of specified cell type                                                  | Other malignant neoplasms |
| C95    | Leukemia of unspecified cell type                                                       | Other malignant neoplasms |
| C96    | Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue | Other malignant neoplasms |
| CN     |                                                                                         | Other malignant neoplasms |
| D04    | Carcinoma in situ of skin                                                               | Other malignant neoplasms |
| D10    | Benign neoplasm of mouth and pharynx                                                    | Other malignant neoplasms |
| D11    | Benign neoplasm of major salivary glands                                                | Other malignant neoplasms |
| D12    | Benign neoplasm of colon, rectum, anus and anal canal                                   | Other malignant neoplasms |
| D16    | Benign neoplasm of bone and articular cartilage                                         | Other malignant neoplasms |
| D18    | Hemangioma and lymphangioma, any site                                                   | Other malignant neoplasms |
| D19    | Benign neoplasm of mesothelial tissue                                                   | Other malignant neoplasms |
| D20    | Benign neoplasm of soft tissue of retroperitoneum and peritoneum                        | Other malignant neoplasms |
| D22    | Melanocytic nevi                                                                        | Other malignant neoplasms |
| D27    | Benign neoplasm of ovary                                                                | Other malignant neoplasms |
| D29    | Benign neoplasm of male genital organs                                                  | Other malignant neoplasms |
| D30    | Benign neoplasm of urinary organs                                                       | Other malignant neoplasms |
| D32    | Benign neoplasm of meninges                                                             | Other malignant neoplasms |
| D33    | Benign neoplasm of brain and other parts of central nervous system                      | Other malignant neoplasms |
| D34    | Benign neoplasm of thyroid gland                                                        | Other malignant neoplasms |
| D35    | Benign neoplasm of other and unspecified endocrine glands                               | Other malignant neoplasms |
| D36    | Benign neoplasm of other and unspecified sites                                          | Other malignant neoplasms |
| D39    | Neoplasm of uncertain behavior of female genital organs                                 | Other malignant neoplasms |
| D40    | Neoplasm of uncertain behavior of male genital organs                                   | Other malignant neoplasms |
| D43    | Neoplasm of uncertain behavior of brain and central nervous system                      | Other malignant neoplasms |
| D45    | Polycythemia vera                                                                       | Other malignant neoplasms |
| D46    | Myelodysplastic syndromes                                                               | Other malignant neoplasms |
| D47    | Other neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue     | Other malignant neoplasms |
| N87    | Dysplasia of cervix uteri                                                               | Other malignant neoplasms |
| I14    | There is not this code in ICD10 site, but we have this in mortality data                | Cardiovascular diseases   |
| I16    | There is not this code in ICD10 site, but we have this in mortality data                | Cardiovascular diseases   |
| I18    | There is not this code in ICD10 site, but we have this in mortality data                | Cardiovascular diseases   |
| I19    | There is not this code in ICD10 site, but we have this in mortality data                | Cardiovascular diseases   |
| I28    | Other diseases of pulmonary vessels                                                     | Cardiovascular diseases   |
| I29    | There is not this code in ICD10 site, but we have this in mortality data                | Cardiovascular diseases   |
| I30    | Acute pericarditis                                                                      | Cardiovascular diseases   |
| I31    | Other diseases of pericardium                                                           | Cardiovascular diseases   |
| I33    | Acute and subacute endocarditis                                                         | Cardiovascular diseases   |
| I34    | Nonrheumatic mitral valve disorders                                                     | Cardiovascular diseases   |
| I35    | Nonrheumatic aortic valve disorders                                                     | Cardiovascular diseases   |
| I36    | Nonrheumatic tricuspid valve disorders                                                  | Cardiovascular diseases   |
| I38    | Endocarditis, valve unspecified                                                         | Cardiovascular diseases   |
| I39    | Endocarditis and heart valve disorders in diseases classified elsewhere                 | Cardiovascular diseases   |
| I40    | Acute myocarditis                                                                       | Cardiovascular diseases   |
| I41    | Myocarditis in diseases classified elsewhere                                            | Cardiovascular diseases   |
| I42    | Cardiomyopathy                                                                          | Cardiovascular diseases   |
| I47    | Paroxysmal tachycardia                                                                  | Cardiovascular diseases   |

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| ICD-10 | ICD-10 name                                                                                                                                 | Cause group                                   |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| I54    | There is not this code in ICD10 site, but we have this in mortality data                                                                    | Cardiovascular diseases                       |
| I59    | There is not this code in ICD10 site, but we have this in mortality data                                                                    | Cardiovascular diseases                       |
| I62    | Other and unspecified nontraumatic intracranial hemorrhage                                                                                  | Cardiovascular diseases                       |
| I68    | Cerebrovascular disorders in diseases classified elsewhere                                                                                  | Cardiovascular diseases                       |
| I70    | Atherosclerosis                                                                                                                             | Cardiovascular diseases                       |
| I71    | Aortic aneurysm and dissection                                                                                                              | Cardiovascular diseases                       |
| I72    | Other aneurysm                                                                                                                              | Cardiovascular diseases                       |
| I73    | Other peripheral vascular diseases                                                                                                          | Cardiovascular diseases                       |
| I74    | Arterial embolism and thrombosis                                                                                                            | Cardiovascular diseases                       |
| I77    | Other disorders of arteries and arterioles                                                                                                  | Cardiovascular diseases                       |
| I80    | Phlebitis and thrombophlebitis                                                                                                              | Cardiovascular diseases                       |
| I81    | Portal vein thrombosis                                                                                                                      | Cardiovascular diseases                       |
| I82    | Other venous embolism and thrombosis                                                                                                        | Cardiovascular diseases                       |
| I84    | Haemorrhoids                                                                                                                                | Cardiovascular diseases                       |
| I89    | Other noninfective disorders of lymphatic vessels and lymph nodes                                                                           | Cardiovascular diseases                       |
| I60    | Nontraumatic subarachnoid hemorrhage                                                                                                        | Cerebrovascular disease                       |
| I61    | Nontraumatic intracerebral hemorrhage                                                                                                       | Cerebrovascular disease                       |
| I63    | Cerebral infarction                                                                                                                         | Cerebrovascular disease                       |
| I64    | Stroke, not specified as haemorrhage or infarction                                                                                          | Cerebrovascular disease                       |
| I65    | Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction                                                        | Cerebrovascular disease                       |
| I66    | Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction                                                           | Cerebrovascular disease                       |
| I67    | Other cerebrovascular diseases                                                                                                              | Cerebrovascular disease                       |
| I67.9  | Cerebrovascular disease, unspecified                                                                                                        | Cerebrovascular disease                       |
| I69    | Sequelae of cerebrovascular disease                                                                                                         | Cerebrovascular disease                       |
| I11    | Hypertensive heart disease                                                                                                                  | Hypertensive heart disease                    |
| I20    | Angina pectoris                                                                                                                             | Ischemic heart disease                        |
| I21    | ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction                                                                    | Ischemic heart disease                        |
| I22    | Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction                                                         | Ischemic heart disease                        |
| I23    | Certain current complications following ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction (within the 28 day period) | Ischemic heart disease                        |
| I24    | Other acute ischemic heart diseases                                                                                                         | Ischemic heart disease                        |
| I24.9  | Acute ischemic heart disease, unspecified                                                                                                   | Ischemic heart disease                        |
| I25    | Chronic ischemic heart disease                                                                                                              | Ischemic heart disease                        |
| R07    | Pain in throat and chest                                                                                                                    | Ischemic heart disease                        |
| R07.4  | Chest pain, unspecified                                                                                                                     | Ischemic heart disease                        |
| I01    | Rheumatic fever with heart involvement                                                                                                      | Other cardiovascular and circulatory diseases |
| I03    | There is not this code in ICD10 site, but we have this in mortality data                                                                    | Other cardiovascular and circulatory diseases |
| I05    | Rheumatic mitral valve diseases                                                                                                             | Other cardiovascular and circulatory diseases |
| I06    | Rheumatic aortic valve diseases                                                                                                             | Other cardiovascular and circulatory diseases |
| I07    | Rheumatic tricuspid valve diseases                                                                                                          | Other cardiovascular and circulatory diseases |
| I08    | Multiple valve diseases                                                                                                                     | Other cardiovascular and circulatory diseases |
| I09    | Other rheumatic heart diseases                                                                                                              | Other cardiovascular and circulatory diseases |
| I48    | Atrial fibrillation and flutter                                                                                                             | Other cardiovascular and circulatory diseases |
| I52    | Other heart disorders in diseases classified elsewhere                                                                                      | Other cardiovascular and circulatory diseases |
| I87    | Other disorders of veins                                                                                                                    | Other cardiovascular and circulatory diseases |



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| ICD-10 | ICD-10 name                                                                    | Cause group                                   |
|--------|--------------------------------------------------------------------------------|-----------------------------------------------|
| I88    | Nonspecific lymphadenitis                                                      | Other cardiovascular and circulatory diseases |
| I98    | Other disorders of circulatory system in diseases classified elsewhere         | Other cardiovascular and circulatory diseases |
| E10    | Type 1 diabetes mellitus                                                       | Diabetes mellitus                             |
| E11    | Type 2 diabetes mellitus                                                       | Diabetes mellitus                             |
| E12    | Malnutrition-related diabetes mellitus                                         | Diabetes mellitus                             |
| E13    | Other specified diabetes mellitus                                              | Diabetes mellitus                             |
| E14    | Unspecified diabetes mellitus                                                  | Diabetes mellitus                             |
| E15    | Nondiabetic hypoglycemic coma                                                  | Diabetes mellitus                             |
| E19    | There is not this code in ICD10 site, but we have this in mortality data       | Diabetes mellitus                             |
| E21    | Hyperparathyroidism and other disorders of parathyroid gland                   | Diabetes mellitus                             |
| P70.1  | Syndrome of infant of a diabetic mother                                        | Diabetes mellitus                             |
| R73    | Elevated blood glucose level                                                   | Diabetes mellitus                             |
| I12    | Hypertensive chronic kidney disease                                            | Chronic kidney disease                        |
| I13    | Hypertensive heart and chronic kidney disease                                  | Chronic kidney disease                        |
| N00    | Acute nephritic syndrome                                                       | Chronic kidney disease                        |
| N02    | Recurrent and persistent hematuria                                             | Chronic kidney disease                        |
| N03    | Chronic nephritic syndrome                                                     | Chronic kidney disease                        |
| N04    | Nephrotic syndrome                                                             | Chronic kidney disease                        |
| N05    | Unspecified nephritic syndrome                                                 | Chronic kidney disease                        |
| N07    | Hereditary nephropathy, not elsewhere classified                               | Chronic kidney disease                        |
| N08    | Glomerular disorders in diseases classified elsewhere                          | Chronic kidney disease                        |
| N13    | Obstructive and reflux uropathy                                                | Chronic kidney disease                        |
| N17    | Acute kidney failure                                                           | Chronic kidney disease                        |
| N18    | Chronic kidney disease (CKD)                                                   | Chronic kidney disease                        |
| N19    | Unspecified kidney failure                                                     | Chronic kidney disease                        |
| B18    | Chronic viral hepatitis                                                        | Cirrhosis                                     |
| I85    | Esophageal varices                                                             | Cirrhosis                                     |
| K70    | Alcoholic liver disease                                                        | Cirrhosis                                     |
| K72    | Hepatic failure, not elsewhere classified                                      | Cirrhosis                                     |
| K73    | Chronic hepatitis, not elsewhere classified                                    | Cirrhosis                                     |
| K74    | Fibrosis and cirrhosis of liver                                                | Cirrhosis                                     |
| K74.6  | Other and unspecified cirrhosis of liver                                       | Cirrhosis                                     |
| K75    | Other inflammatory liver diseases                                              | Cirrhosis                                     |
| K76    | Other diseases of liver                                                        | Cirrhosis                                     |
| K76.9  | Liver disease, unspecified                                                     | Cirrhosis                                     |
| J32    | Chronic sinusitis                                                              | Chronic respiratory diseases                  |
| J34    | Other and unspecified disorders of nose and nasal sinuses                      | Chronic respiratory diseases                  |
| J39    | Other diseases of upper respiratory tract                                      | Chronic respiratory diseases                  |
| J40    | Bronchitis, not specified as acute or chronic                                  | Chronic respiratory diseases                  |
| J41    | Simple and mucopurulent chronic bronchitis                                     | Chronic respiratory diseases                  |
| J42    | Unspecified chronic bronchitis                                                 | Chronic respiratory diseases                  |
| J43    | Emphysema                                                                      | Chronic respiratory diseases                  |
| J44    | Other chronic obstructive pulmonary disease                                    | Chronic respiratory diseases                  |
| J45    | Asthma                                                                         | Chronic respiratory diseases                  |
| J46    | Status asthmaticus                                                             | Chronic respiratory diseases                  |
| J47    | Bronchiectasis                                                                 | Chronic respiratory diseases                  |
| J49    | There is not this code in ICD10 site, but we have this in mortality data       | Chronic respiratory diseases                  |
| J50    | There is not this code in ICD10 site, but we have this in mortality data       | Chronic respiratory diseases                  |
| J54    | There is not this code in ICD10 site, but we have this in mortality data       | Chronic respiratory diseases                  |
| J60    | Coalworker's pneumoconiosis                                                    | Chronic respiratory diseases                  |
| J61    | Pneumoconiosis due to asbestos and other mineral fibers                        | Chronic respiratory diseases                  |
| J63    | Pneumoconiosis due to other inorganic dusts                                    | Chronic respiratory diseases                  |
| J64    | Unspecified pneumoconiosis                                                     | Chronic respiratory diseases                  |
| J65    | Pneumoconiosis associated with tuberculosis                                    | Chronic respiratory diseases                  |
| J68    | Respiratory conditions due to inhalation of chemicals, gases, fumes and vapors | Chronic respiratory diseases                  |

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| ICD-10 | ICD-10 name                                                                        | Cause group                     |
|--------|------------------------------------------------------------------------------------|---------------------------------|
| J69    | Pneumonitis due to solids and liquids                                              | Chronic respiratory diseases    |
| J70    | Respiratory conditions due to other external agents                                | Chronic respiratory diseases    |
| J80    | Acute respiratory distress syndrome                                                | Chronic respiratory diseases    |
| J84    | Other interstitial pulmonary diseases                                              | Chronic respiratory diseases    |
| J85    | Abscess of lung and mediastinum                                                    | Chronic respiratory diseases    |
| J86    | Pyothorax                                                                          | Chronic respiratory diseases    |
| J89    | There is not this code in ICD10 site, but we have this in mortality data           | Chronic respiratory diseases    |
| J90    | Pleural effusion, not elsewhere classified                                         | Chronic respiratory diseases    |
| J91    | Pleural effusion in conditions classified elsewhere                                | Chronic respiratory diseases    |
| J96    | Respiratory failure, not elsewhere classified                                      | Chronic respiratory diseases    |
| J98    | Other respiratory disorders                                                        | Chronic respiratory diseases    |
| J98.9  | Respiratory disorder, unspecified                                                  | Chronic respiratory diseases    |
| J99    | Respiratory disorders in diseases classified elsewhere                             | Chronic respiratory diseases    |
| A46    | Erysipelas                                                                         | Other non-communicable diseases |
| B75    | Trichinellosis                                                                     | Other non-communicable diseases |
| B86    | Scabies                                                                            | Other non-communicable diseases |
| D25    | Leiomyoma of uterus                                                                | Other non-communicable diseases |
| D26    | Other benign neoplasms of uterus                                                   | Other non-communicable diseases |
| D55    | Anemia due to enzyme disorders                                                     | Other non-communicable diseases |
| D56    | Thalassemia                                                                        | Other non-communicable diseases |
| D57    | Sickle-cell disorders                                                              | Other non-communicable diseases |
| D58    | Other hereditary hemolytic anemias                                                 | Other non-communicable diseases |
| D59    | Acquired hemolytic anemia                                                          | Other non-communicable diseases |
| D60    | Acquired pure red cell aplasia [erythroblastopenia]                                | Other non-communicable diseases |
| D61    | Other aplastic anemias and other bone marrow failure syndromes                     | Other non-communicable diseases |
| D64    | Other anemias                                                                      | Other non-communicable diseases |
| D66    | Hereditary factor VIII deficiency                                                  | Other non-communicable diseases |
| D68    | Other coagulation defects                                                          | Other non-communicable diseases |
| D69    | Purpura and other hemorrhagic conditions                                           | Other non-communicable diseases |
| D70    | Neutropenia                                                                        | Other non-communicable diseases |
| D72    | Other disorders of white blood cells                                               | Other non-communicable diseases |
| D73    | Diseases of spleen                                                                 | Other non-communicable diseases |
| D75    | Other and unspecified diseases of blood and blood-forming organs                   | Other non-communicable diseases |
| D77    | Other disorders of blood and blood-forming organs in diseases classified elsewhere | Other non-communicable diseases |
| E03    | Other hypothyroidism                                                               | Other non-communicable diseases |
| E04    | Other nontoxic goiter                                                              | Other non-communicable diseases |
| E05    | Thyrotoxicosis [hyperthyroidism]                                                   | Other non-communicable diseases |
| E07    | Other disorders of thyroid                                                         | Other non-communicable diseases |
| E16    | Other disorders of pancreatic internal secretion                                   | Other non-communicable diseases |
| E20    | Hypoparathyroidism                                                                 | Other non-communicable diseases |
| E24    | Cushing's syndrome                                                                 | Other non-communicable diseases |
| E27    | Other disorders of adrenal gland                                                   | Other non-communicable diseases |
| E34    | Other endocrine disorders                                                          | Other non-communicable diseases |
| E51    | Thiamine deficiency                                                                | Other non-communicable diseases |
| E66    | Overweight and obesity                                                             | Other non-communicable diseases |
| E68    | Sequelae of hyperalimentation                                                      | Other non-communicable diseases |
| E75    | Disorders of sphingolipid metabolism and other lipid storage disorders             | Other non-communicable diseases |
| E78    | Disorders of lipoprotein metabolism and other lipidemias                           | Other non-communicable diseases |
| E79    | Disorders of purine and pyrimidine metabolism                                      | Other non-communicable diseases |
| E80    | Disorders of porphyrin and bilirubin metabolism                                    | Other non-communicable diseases |
| E84    | Cystic fibrosis                                                                    | Other non-communicable diseases |
| E85    | Amyloidosis                                                                        | Other non-communicable diseases |
| E88    | Other and unspecified metabolic disorders                                          | Other non-communicable diseases |
| F00    | Dementia in Alzheimer disease                                                      | Other non-communicable diseases |
| F01    | Vascular dementia                                                                  | Other non-communicable diseases |
| F02    | Dementia in other diseases classified elsewhere                                    | Other non-communicable diseases |
| F03    | Unspecified dementia                                                               | Other non-communicable diseases |

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| ICD-10 | ICD-10 name                                                                                                   | Cause group                     |
|--------|---------------------------------------------------------------------------------------------------------------|---------------------------------|
| F10    | Alcohol related disorders                                                                                     | Other non-communicable diseases |
| F11    | Opioid related disorders                                                                                      | Other non-communicable diseases |
| F12    | Cannabis related disorders                                                                                    | Other non-communicable diseases |
| F14    | Cocaine related disorders                                                                                     | Other non-communicable diseases |
| F15    | Other stimulant related disorders                                                                             | Other non-communicable diseases |
| F18    | Inhalant related disorders                                                                                    | Other non-communicable diseases |
| F19    | Other psychoactive substance related disorders                                                                | Other non-communicable diseases |
| F20    | Schizophrenia                                                                                                 | Other non-communicable diseases |
| F21    | Schizotypal disorder                                                                                          | Other non-communicable diseases |
| F29    | Unspecified psychosis not due to a substance or known physiological condition                                 | Other non-communicable diseases |
| F50.0  | Anorexia nervosa                                                                                              | Other non-communicable diseases |
| G      |                                                                                                               | Other non-communicable diseases |
| G10    | Huntington's disease                                                                                          | Other non-communicable diseases |
| G20    | Parkinson's disease                                                                                           | Other non-communicable diseases |
| G29    | There is not this code in ICD10 site, but we have this in mortality data                                      | Other non-communicable diseases |
| G30    | Alzheimer's disease                                                                                           | Other non-communicable diseases |
| G31    | Other degenerative diseases of nervous system, not elsewhere classified                                       | Other non-communicable diseases |
| G35    | Multiple sclerosis                                                                                            | Other non-communicable diseases |
| G37    | Other demyelinating diseases of central nervous system                                                        | Other non-communicable diseases |
| G40    | Epilepsy and recurrent seizures                                                                               | Other non-communicable diseases |
| G41    | Status epilepticus                                                                                            | Other non-communicable diseases |
| G49    | There is not this code in ICD10 site, but we have this in mortality data                                      | Other non-communicable diseases |
| G61    | Inflammatory polyneuropathy                                                                                   | Other non-communicable diseases |
| G70    | Myasthenia gravis and other myoneural disorders                                                               | Other non-communicable diseases |
| G71    | Primary disorders of muscles                                                                                  | Other non-communicable diseases |
| G72    | Other and unspecified myopathies                                                                              | Other non-communicable diseases |
| G93    | Other disorders of brain                                                                                      | Other non-communicable diseases |
| G95    | Other and unspecified diseases of spinal cord                                                                 | Other non-communicable diseases |
| G97    | Intraoperative and postprocedural complications and disorders of nervous system, not elsewhere classified     | Other non-communicable diseases |
| G98    | Other disorders of nervous system not elsewhere classified                                                    | Other non-communicable diseases |
| J95    | Intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified | Other non-communicable diseases |
| K20    | Esophagitis                                                                                                   | Other non-communicable diseases |
| K21    | Gastro-esophageal reflux disease                                                                              | Other non-communicable diseases |
| K22    | Other diseases of esophagus                                                                                   | Other non-communicable diseases |
| K25    | Gastric ulcer                                                                                                 | Other non-communicable diseases |
| K26    | Duodenal ulcer                                                                                                | Other non-communicable diseases |
| K27    | Peptic ulcer, site unspecified                                                                                | Other non-communicable diseases |
| K28    | Gastrojejunal ulcer                                                                                           | Other non-communicable diseases |
| K29    | Gastritis and duodenitis                                                                                      | Other non-communicable diseases |
| K31    | Other diseases of stomach and duodenum                                                                        | Other non-communicable diseases |
| K32    | There is not this code in ICD10 site, but we have this in mortality data                                      | Other non-communicable diseases |
| K34    | There is not this code in ICD10 site, but we have this in mortality data                                      | Other non-communicable diseases |
| K35    | Acute appendicitis                                                                                            | Other non-communicable diseases |
| K35.9  | Acute appendicitis, unspecified                                                                               | Other non-communicable diseases |
| K36    | Other appendicitis                                                                                            | Other non-communicable diseases |
| K37    | Unspecified appendicitis                                                                                      | Other non-communicable diseases |
| K38    | Other diseases of appendix                                                                                    | Other non-communicable diseases |
| K40    | Inguinal hernia                                                                                               | Other non-communicable diseases |
| K41    | Femoral hernia                                                                                                | Other non-communicable diseases |
| K42    | Umbilical hernia                                                                                              | Other non-communicable diseases |
| K43    | Ventral hernia                                                                                                | Other non-communicable diseases |
| K45    | Other abdominal hernia                                                                                        | Other non-communicable diseases |
| K46    | Unspecified abdominal hernia                                                                                  | Other non-communicable diseases |
| K50    | Crohn's disease [regional enteritis]                                                                          | Other non-communicable diseases |
| K51    | Ulcerative colitis                                                                                            | Other non-communicable diseases |

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| ICD-10 | ICD-10 name                                                                                                 | Cause group                     |
|--------|-------------------------------------------------------------------------------------------------------------|---------------------------------|
| K52    | Other and unspecified noninfective gastroenteritis and colitis                                              | Other non-communicable diseases |
| K55    | Vascular disorders of intestine                                                                             | Other non-communicable diseases |
| K56    | Paralytic ileus and intestinal obstruction without hernia                                                   | Other non-communicable diseases |
| K56.6  | Other and unspecified intestinal obstruction                                                                | Other non-communicable diseases |
| K57    | Diverticular disease of intestine                                                                           | Other non-communicable diseases |
| K58    | Irritable bowel syndrome                                                                                    | Other non-communicable diseases |
| K59    | Other functional intestinal disorders                                                                       | Other non-communicable diseases |
| K60    | Fissure and fistula of anal and rectal regions                                                              | Other non-communicable diseases |
| K61    | Abscess of anal and rectal regions                                                                          | Other non-communicable diseases |
| K62    | Other diseases of anus and rectum                                                                           | Other non-communicable diseases |
| K64    | Hemorrhoids and perianal venous thrombosis                                                                  | Other non-communicable diseases |
| K69    | There is not this code in ICD10 site, but we have this in mortality data                                    | Other non-communicable diseases |
| K77    | Liver disorders in diseases classified elsewhere                                                            | Other non-communicable diseases |
| K80    | Cholelithiasis                                                                                              | Other non-communicable diseases |
| K81    | Cholecystitis                                                                                               | Other non-communicable diseases |
| K82    | Other diseases of gallbladder                                                                               | Other non-communicable diseases |
| K83    | Other diseases of biliary tract                                                                             | Other non-communicable diseases |
| K85    | Acute pancreatitis                                                                                          | Other non-communicable diseases |
| K86    | Other diseases of pancreas                                                                                  | Other non-communicable diseases |
| K90    | Intestinal malabsorption                                                                                    | Other non-communicable diseases |
| K91    | Intraoperative and postprocedural complications and disorders of digestive system, not elsewhere classified | Other non-communicable diseases |
| K92    | Other diseases of digestive system                                                                          | Other non-communicable diseases |
| K99    | There is not this code in ICD10 site, but we have this in mortality data                                    | Other non-communicable diseases |
| L01    | Impetigo                                                                                                    | Other non-communicable diseases |
| L02    | Cutaneous abscess, furuncle and carbuncle                                                                   | Other non-communicable diseases |
| L03    | Cellulitis and acute lymphangitis                                                                           | Other non-communicable diseases |
| L04    | Acute lymphadenitis                                                                                         | Other non-communicable diseases |
| L08    | Other local infections of skin and subcutaneous tissue                                                      | Other non-communicable diseases |
| L08.9  | Local infection of the skin and subcutaneous tissue, unspecified                                            | Other non-communicable diseases |
| L10    | Pemphigus                                                                                                   | Other non-communicable diseases |
| L13    | Other bullous disorders                                                                                     | Other non-communicable diseases |
| L51    | Erythema multiforme                                                                                         | Other non-communicable diseases |
| L89    | Pressure ulcer                                                                                              | Other non-communicable diseases |
| L93    | Lupus erythematosus                                                                                         | Other non-communicable diseases |
| L97    | Non-pressure chronic ulcer of lower limb, not elsewhere classified                                          | Other non-communicable diseases |
| L98    | Other disorders of skin and subcutaneous tissue, not elsewhere classified                                   | Other non-communicable diseases |
| M00    | Pyogenic arthritis                                                                                          | Other non-communicable diseases |
| M02    | Postinfective and reactive arthropathies                                                                    | Other non-communicable diseases |
| M03    | Postinfective and reactive arthropathies in diseases classified elsewhere                                   | Other non-communicable diseases |
| M06    | Other rheumatoid arthritis                                                                                  | Other non-communicable diseases |
| M09    | Juvenile arthritis in diseases classified elsewhere                                                         | Other non-communicable diseases |
| M12    | Other and unspecified arthropathy                                                                           | Other non-communicable diseases |
| M13    | Other arthritis                                                                                             | Other non-communicable diseases |
| M15    | Polyosteoarthritis                                                                                          | Other non-communicable diseases |
| M19    | Other and unspecified osteoarthritis                                                                        | Other non-communicable diseases |
| M25    | Other joint disorder, not elsewhere classified                                                              | Other non-communicable diseases |
| M31    | Other necrotizing vasculopathies                                                                            | Other non-communicable diseases |
| M32    | Systemic lupus erythematosus (SLE)                                                                          | Other non-communicable diseases |
| M33    | Dermatopolymyositis                                                                                         | Other non-communicable diseases |
| M34    | Systemic sclerosis [scleroderma]                                                                            | Other non-communicable diseases |
| M41    | Scoliosis                                                                                                   | Other non-communicable diseases |
| M43    | Other deforming dorsopathies                                                                                | Other non-communicable diseases |
| M51    | Thoracic, thoracolumbar, and lumbosacral intervertebral disc disorders                                      | Other non-communicable diseases |
| M53.9  | Dorsopathy, unspecified                                                                                     | Other non-communicable diseases |
| M54    | Dorsalgia                                                                                                   | Other non-communicable diseases |
| M79    | Other and unspecified soft tissue disorders, not elsewhere classified                                       | Other non-communicable diseases |

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| ICD-10 | ICD-10 name                                                                | Cause group                     |
|--------|----------------------------------------------------------------------------|---------------------------------|
| M80    | Osteoporosis with current pathological fracture                            | Other non-communicable diseases |
| M81    | Osteoporosis without current pathological fracture                         | Other non-communicable diseases |
| M86    | Osteomyelitis                                                              | Other non-communicable diseases |
| M89    | Other disorders of bone                                                    | Other non-communicable diseases |
| M89.9  | Disorder of bone, unspecified                                              | Other non-communicable diseases |
| M95    | Other acquired deformities of musculoskeletal system and connective tissue | Other non-communicable diseases |
| N01    | Rapidly progressive nephritic syndrome                                     | Other non-communicable diseases |
| N10    | Acute tubulo-interstitial nephritis                                        | Other non-communicable diseases |
| N11    | Chronic tubulo-interstitial nephritis                                      | Other non-communicable diseases |
| N12    | Tubulo-interstitial nephritis, not specified as acute or chronic           | Other non-communicable diseases |
| N14    | Drug- and heavy-metal-induced tubulo-interstitial and tubular conditions   | Other non-communicable diseases |
| N15    | Other renal tubulo-interstitial diseases                                   | Other non-communicable diseases |
| N20    | Calculus of kidney and ureter                                              | Other non-communicable diseases |
| N21    | Calculus of lower urinary tract                                            | Other non-communicable diseases |
| N22    | Calculus of urinary tract in diseases classified elsewhere                 | Other non-communicable diseases |
| N23    | Unspecified renal colic                                                    | Other non-communicable diseases |
| N27    | Small kidney of unknown cause                                              | Other non-communicable diseases |
| N28    | Other disorders of kidney and ureter, not elsewhere classified             | Other non-communicable diseases |
| N28.9  | Disorder of kidney and ureter, unspecified                                 | Other non-communicable diseases |
| N29    | Other disorders of kidney and ureter in diseases classified elsewhere      | Other non-communicable diseases |
| N30    | Cystitis                                                                   | Other non-communicable diseases |
| N31    | Neuromuscular dysfunction of bladder, not elsewhere classified             | Other non-communicable diseases |
| N32    | Other disorders of bladder                                                 | Other non-communicable diseases |
| N34    | Urethritis and urethral syndrome                                           | Other non-communicable diseases |
| N39    | Other disorders of urinary system                                          | Other non-communicable diseases |
| N39.0  | Urinary tract infection, site not specified                                | Other non-communicable diseases |
| N44    | Noninflammatory disorders of testis                                        | Other non-communicable diseases |
| N45    | Orchitis and epididymitis                                                  | Other non-communicable diseases |
| N49    | Inflammatory disorders of male genital organs, not elsewhere classified    | Other non-communicable diseases |
| N55    | There is not this code in ICD10 site, but we have this in mortality data   | Other non-communicable diseases |
| N69    | There is not this code in ICD10 site, but we have this in mortality data   | Other non-communicable diseases |
| N76    | Other inflammation of vagina and vulva                                     | Other non-communicable diseases |
| N80    | Endometriosis                                                              | Other non-communicable diseases |
| N81    | Female genital prolapse                                                    | Other non-communicable diseases |
| N83    | Noninflammatory disorders of ovary, fallopian tube and broad ligament      | Other non-communicable diseases |
| N85    | Other noninflammatory disorders of uterus, except cervix                   | Other non-communicable diseases |
| N92    | Excessive, frequent and irregular menstruation                             | Other non-communicable diseases |
| N93    | Other abnormal uterine and vaginal bleeding                                | Other non-communicable diseases |
| O55    | There is not this code in ICD10 site, but we have this in mortality data   | Other non-communicable diseases |
| Q00    | Anencephaly and similar malformations                                      | Other non-communicable diseases |
| Q01    | Encephalocele                                                              | Other non-communicable diseases |
| Q02    | Microcephaly                                                               | Other non-communicable diseases |
| Q03    | Congenital hydrocephalus                                                   | Other non-communicable diseases |
| Q04    | Other congenital malformations of brain                                    | Other non-communicable diseases |
| Q05    | Spina bifida                                                               | Other non-communicable diseases |
| Q06    | Other congenital malformations of spinal cord                              | Other non-communicable diseases |
| Q07    | Other congenital malformations of nervous system                           | Other non-communicable diseases |
| Q13    | Congenital malformations of anterior segment of eye                        | Other non-communicable diseases |
| Q15    | Other congenital malformations of eye                                      | Other non-communicable diseases |
| Q17    | Other congenital malformations of ear                                      | Other non-communicable diseases |
| Q20    | Congenital malformations of cardiac chambers and connections               | Other non-communicable diseases |
| Q21    | Congenital malformations of cardiac septa                                  | Other non-communicable diseases |
| Q22    | Congenital malformations of pulmonary and tricuspid valves                 | Other non-communicable diseases |
| Q23    | Congenital malformations of aortic and mitral valves                       | Other non-communicable diseases |
| Q24    | Other congenital malformations of heart                                    | Other non-communicable diseases |
| Q24.9  | Congenital malformation of heart, unspecified                              | Other non-communicable diseases |
| Q25    | Congenital malformations of great arteries                                 | Other non-communicable diseases |

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| ICD-10 | ICD-10 name                                                                           | Cause group                     |
|--------|---------------------------------------------------------------------------------------|---------------------------------|
| Q27    | Other congenital malformations of peripheral vascular system                          | Other non-communicable diseases |
| Q28    | Other congenital malformations of circulatory system                                  | Other non-communicable diseases |
| Q30    | Congenital malformations of nose                                                      | Other non-communicable diseases |
| Q31    | Congenital malformations of larynx                                                    | Other non-communicable diseases |
| Q33    | Congenital malformations of lung                                                      | Other non-communicable diseases |
| Q34    | Other congenital malformations of respiratory system                                  | Other non-communicable diseases |
| Q35    | Cleft palate                                                                          | Other non-communicable diseases |
| Q37    | Cleft palate with cleft lip                                                           | Other non-communicable diseases |
| Q39    | Congenital malformations of esophagus                                                 | Other non-communicable diseases |
| Q40    | Other congenital malformations of upper alimentary tract                              | Other non-communicable diseases |
| Q41    | Congenital absence, atresia and stenosis of small intestine                           | Other non-communicable diseases |
| Q42    | Congenital absence, atresia and stenosis of large intestine                           | Other non-communicable diseases |
| Q43    | Other congenital malformations of intestine                                           | Other non-communicable diseases |
| Q44    | Congenital malformations of gallbladder, bile ducts and liver                         | Other non-communicable diseases |
| Q45    | Other congenital malformations of digestive system                                    | Other non-communicable diseases |
| Q54    | Hypospadias                                                                           | Other non-communicable diseases |
| Q61    | Cystic kidney disease                                                                 | Other non-communicable diseases |
| Q62    | Congenital obstructive defects of renal pelvis and congenital malformations of ureter | Other non-communicable diseases |
| Q63    | Other congenital malformations of kidney                                              | Other non-communicable diseases |
| Q64    | Other congenital malformations of urinary system                                      | Other non-communicable diseases |
| Q65    | Congenital deformities of hip                                                         | Other non-communicable diseases |
| Q67    | Congenital musculoskeletal deformities of head, face, spine and chest                 | Other non-communicable diseases |
| Q68    | Other congenital musculoskeletal deformities                                          | Other non-communicable diseases |
| Q74    | Other congenital malformations of limb(s)                                             | Other non-communicable diseases |
| Q75    | Other congenital malformations of skull and face bones                                | Other non-communicable diseases |
| Q76    | Congenital malformations of spine and bony thorax                                     | Other non-communicable diseases |
| Q78    | Other osteochondrodysplasias                                                          | Other non-communicable diseases |
| Q79    | Congenital malformations of musculoskeletal system, not elsewhere classified          | Other non-communicable diseases |
| Q80    | Congenital ichthyosis                                                                 | Other non-communicable diseases |
| Q82    | Other congenital malformations of skin                                                | Other non-communicable diseases |
| Q87    | Other specified congenital malformation syndromes affecting multiple systems          | Other non-communicable diseases |
| Q89    | Other congenital malformations, not elsewhere classified                              | Other non-communicable diseases |
| Q89.9  | Congenital malformation, unspecified                                                  | Other non-communicable diseases |
| Q90    | Down syndrome                                                                         | Other non-communicable diseases |
| Q91    | Trisomy 18 and Trisomy 13                                                             | Other non-communicable diseases |
| Q95    | Balanced rearrangements and structural markers, not elsewhere classified              | Other non-communicable diseases |
| Q99    | Other chromosome abnormalities, not elsewhere classified                              | Other non-communicable diseases |
| W65    | Accidental drowning and submersion while in bath-tub                                  | Drowning                        |
| W66    | Drowning and submersion following fall into bath-tub                                  | Drowning                        |
| W67    | Accidental drowning and submersion while in swimming-pool                             | Drowning                        |
| W68    | Drowning and submersion following fall into swimming-pool                             | Drowning                        |
| W69    | Accidental drowning and submersion while in natural water                             | Drowning                        |
| W70    | Drowning and submersion following fall into natural water                             | Drowning                        |
| W73    | Other specified cause of accidental non-transport drowning and submersion             | Drowning                        |
| W74    | Unspecified cause of accidental drowning and submersion                               | Drowning                        |
| W01    | Fall on same level from slipping, tripping and stumbling                              | Falls                           |
| W02    | Fall involving ice-skates, skis, roller-skates or skateboards                         | Falls                           |
| W03    | Other fall on same level due to collision with another person                         | Falls                           |
| W04    | Fall while being carried or supported by other persons                                | Falls                           |
| W06    | Fall from bed                                                                         | Falls                           |
| W07    | Fall from chair                                                                       | Falls                           |
| W09    | Fall on and from playground equipment                                                 | Falls                           |
| W10    | Fall on and from stairs and steps                                                     | Falls                           |
| W11    | Fall on and from ladder                                                               | Falls                           |
| W12    | Fall on and from scaffolding                                                          | Falls                           |
| W13    | Fall from, out of or through building or structure                                    | Falls                           |
| W14    | Fall from tree                                                                        | Falls                           |

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| ICD-10 | ICD-10 name                                                                                                                                       | Cause group            |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| W15    | Fall from cliff                                                                                                                                   | Falls                  |
| W16    | Fall, jump or diving into water                                                                                                                   | Falls                  |
| W17    | Other fall from one level to another                                                                                                              | Falls                  |
| W18    | Other slipping, tripping and stumbling and falls                                                                                                  | Falls                  |
| W19    | Unspecified fall                                                                                                                                  | Falls                  |
| X85    | Assault by drugs, medicaments and biological substances                                                                                           | Interpersonal violence |
| X87    | Assault by pesticides                                                                                                                             | Interpersonal violence |
| X89    | Assault by other specified chemicals and noxious substances                                                                                       | Interpersonal violence |
| X90    | Assault by unspecified chemical or noxious substance                                                                                              | Interpersonal violence |
| X91    | Assault by hanging, strangulation and suffocation                                                                                                 | Interpersonal violence |
| X92    | Assault by drowning and submersion                                                                                                                | Interpersonal violence |
| X93    | Assault by handgun discharge                                                                                                                      | Interpersonal violence |
| X94    | Assault by rifle, shotgun and larger firearm discharge                                                                                            | Interpersonal violence |
| X95    | Assault by other and unspecified firearm and gun discharge                                                                                        | Interpersonal violence |
| X96    | Assault by explosive material                                                                                                                     | Interpersonal violence |
| X97    | Assault by smoke, fire and flames                                                                                                                 | Interpersonal violence |
| X98    | Assault by steam, hot vapors and hot objects                                                                                                      | Interpersonal violence |
| X99    | Assault by sharp object                                                                                                                           | Interpersonal violence |
| Y00    | Assault by blunt object                                                                                                                           | Interpersonal violence |
| Y01    | Assault by pushing from high place                                                                                                                | Interpersonal violence |
| Y02    | Assault by pushing or placing victim in front of moving object                                                                                    | Interpersonal violence |
| Y03    | Assault by crashing of motor vehicle                                                                                                              | Interpersonal violence |
| Y04    | Assault by bodily force                                                                                                                           | Interpersonal violence |
| Y05    | Sexual assault by bodily force                                                                                                                    | Interpersonal violence |
| Y06    | Neglect and abandonment                                                                                                                           | Interpersonal violence |
| Y07    | Perpetrator of assault, maltreatment and neglect                                                                                                  | Interpersonal violence |
| Y08    | Assault by other specified means                                                                                                                  | Interpersonal violence |
| Y09    | Assault by unspecified means                                                                                                                      | Interpersonal violence |
| X60    | Intentional self-poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics                                               | Self-harm              |
| X61    | Intentional self-poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified | Self-harm              |
| X63    | Intentional self-poisoning by and exposure to other drugs acting on the autonomic nervous system                                                  | Self-harm              |
| X64    | Intentional self-poisoning by and exposure to other and unspecified drugs, medicaments and biological substances                                  | Self-harm              |
| X65    | Intentional self-poisoning by and exposure to alcohol                                                                                             | Self-harm              |
| X66    | Intentional self-poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours                                     | Self-harm              |
| X67    | Intentional self-poisoning by and exposure to other gases and vapours                                                                             | Self-harm              |
| X68    | Intentional self-poisoning by and exposure to pesticides                                                                                          | Self-harm              |
| X69    | Intentional self-poisoning by and exposure to other and unspecified chemicals and noxious substances                                              | Self-harm              |
| X70    | Intentional self-harm by hanging, strangulation and suffocation                                                                                   | Self-harm              |
| X71    | Intentional self-harm by drowning and submersion                                                                                                  | Self-harm              |
| X72    | Intentional self-harm by handgun discharge                                                                                                        | Self-harm              |
| X73    | Intentional self-harm by rifle, shotgun and larger firearm discharge                                                                              | Self-harm              |
| X74    | Intentional self-harm by other and unspecified firearm and gun discharge                                                                          | Self-harm              |
| X76    | Intentional self-harm by smoke, fire and flames                                                                                                   | Self-harm              |
| X78    | Intentional self-harm by sharp object                                                                                                             | Self-harm              |
| X79    | Intentional self-harm by blunt object                                                                                                             | Self-harm              |
| X80    | Intentional self-harm by jumping from a high place                                                                                                | Self-harm              |
| X81    | Intentional self-harm by jumping or lying in front of moving object                                                                               | Self-harm              |
| X82    | Intentional self-harm by crashing of motor vehicle                                                                                                | Self-harm              |
| X83    | Intentional self-harm by other specified means                                                                                                    | Self-harm              |
| X84    | Intentional self-harm by unspecified means                                                                                                        | Self-harm              |
| V      |                                                                                                                                                   | Transport injuries     |

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| ICD-10 | ICD-10 name                                                                                           | Cause group        |
|--------|-------------------------------------------------------------------------------------------------------|--------------------|
| V01    | Pedestrian injured in collision with pedal cycle                                                      | Transport injuries |
| V02    | Pedestrian injured in collision with two- or three-wheeled motor vehicle                              | Transport injuries |
| V03    | Pedestrian injured in collision with car, pick-up truck or van                                        | Transport injuries |
| V04    | Pedestrian injured in collision with heavy transport vehicle or bus                                   | Transport injuries |
| V05    | Pedestrian injured in collision with railway train or railway vehicle                                 | Transport injuries |
| V06    | Pedestrian injured in collision with other nonmotor vehicle                                           | Transport injuries |
| V09    | Pedestrian injured in other and unspecified transport accidents                                       | Transport injuries |
| V11    | Pedal cycle rider injured in collision with other pedal cycle                                         | Transport injuries |
| V12    | Pedal cycle rider injured in collision with two- or three-wheeled motor vehicle                       | Transport injuries |
| V13    | Pedal cycle rider injured in collision with car, pick-up truck or van                                 | Transport injuries |
| V14    | Pedal cycle rider injured in collision with heavy transport vehicle or bus                            | Transport injuries |
| V17    | Pedal cycle rider injured in collision with fixed or stationary object                                | Transport injuries |
| V18    | Pedal cycle rider injured in noncollision transport accident                                          | Transport injuries |
| V19    | Pedal cycle rider injured in other and unspecified transport accidents                                | Transport injuries |
| V20    | Motorcycle rider injured in collision with pedestrian or animal                                       | Transport injuries |
| V21    | Motorcycle rider injured in collision with pedal cycle                                                | Transport injuries |
| V22    | Motorcycle rider injured in collision with two- or three-wheeled motor vehicle                        | Transport injuries |
| V23    | Motorcycle rider injured in collision with car, pick-up truck or van                                  | Transport injuries |
| V24    | Motorcycle rider injured in collision with heavy transport vehicle or bus                             | Transport injuries |
| V25    | Motorcycle rider injured in collision with railway train or railway vehicle                           | Transport injuries |
| V26    | Motorcycle rider injured in collision with other nonmotor vehicle                                     | Transport injuries |
| V27    | Motorcycle rider injured in collision with fixed or stationary object                                 | Transport injuries |
| V28    | Motorcycle rider injured in noncollision transport accident                                           | Transport injuries |
| V29    | Motorcycle rider injured in other and unspecified transport accidents                                 | Transport injuries |
| V32    | Occupant of three-wheeled motor vehicle injured in collision with two- or three-wheeled motor vehicle | Transport injuries |
| V33    | Occupant of three-wheeled motor vehicle injured in collision with car, pick-up truck or van           | Transport injuries |
| V34    | Occupant of three-wheeled motor vehicle injured in collision with heavy transport vehicle or bus      | Transport injuries |
| V37    | Occupant of three-wheeled motor vehicle injured in collision with fixed or stationary object          | Transport injuries |
| V38    | Occupant of three-wheeled motor vehicle injured in noncollision transport accident                    | Transport injuries |
| V39    | Occupant of three-wheeled motor vehicle injured in other and unspecified transport accidents          | Transport injuries |
| V40    | Car occupant injured in collision with pedestrian or animal                                           | Transport injuries |
| V42    | Car occupant injured in collision with two- or three-wheeled motor vehicle                            | Transport injuries |
| V43    | Car occupant injured in collision with car, pick-up truck or van                                      | Transport injuries |
| V44    | Car occupant injured in collision with heavy transport vehicle or bus                                 | Transport injuries |
| V45    | Car occupant injured in collision with railway train or railway vehicle                               | Transport injuries |
| V47    | Car occupant injured in collision with fixed or stationary object                                     | Transport injuries |
| V48    | Car occupant injured in noncollision transport accident                                               | Transport injuries |
| V49    | Car occupant injured in other and unspecified transport accidents                                     | Transport injuries |
| V50    | Occupant of pick-up truck or van injured in collision with pedestrian or animal                       | Transport injuries |
| V51    | Occupant of pick-up truck or van injured in collision with pedal cycle                                | Transport injuries |
| V52    | Occupant of pick-up truck or van injured in collision with two- or three-wheeled motor vehicle        | Transport injuries |
| V53    | Occupant of pick-up truck or van injured in collision with car, pick-up truck or van                  | Transport injuries |
| V54    | Occupant of pick-up truck or van injured in collision with heavy transport vehicle or bus             | Transport injuries |
| V55    | Occupant of pick-up truck or van injured in collision with railway train or railway vehicle           | Transport injuries |
| V57    | Occupant of pick-up truck or van injured in collision with fixed or stationary object                 | Transport injuries |
| V58    | Occupant of pick-up truck or van injured in noncollision transport accident                           | Transport injuries |
| V59    | Occupant of pick-up truck or van injured in other and unspecified transport accidents                 | Transport injuries |
| V60    | Occupant of heavy transport vehicle injured in collision with pedestrian or animal                    | Transport injuries |
| V63    | Occupant of heavy transport vehicle injured in collision with car, pick-up truck or van               | Transport injuries |
| V64    | Occupant of heavy transport vehicle injured in collision with heavy transport vehicle or bus          | Transport injuries |
| V65    | Occupant of heavy transport vehicle injured in collision with railway train or railway vehicle        | Transport injuries |
| V68    | Occupant of heavy transport vehicle injured in noncollision transport accident                        | Transport injuries |
| V69    | Occupant of heavy transport vehicle injured in other and unspecified transport accidents              | Transport injuries |
| V70    | Bus occupant injured in collision with pedestrian or animal                                           | Transport injuries |
| V73    | Bus occupant injured in collision with car, pick-up truck or van                                      | Transport injuries |



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| ICD-10 | ICD-10 name                                                                                    | Cause group                  |
|--------|------------------------------------------------------------------------------------------------|------------------------------|
| V74    | Bus occupant injured in collision with heavy transport vehicle or bus                          | Transport injuries           |
| V77    | Bus occupant injured in collision with fixed or stationary object                              | Transport injuries           |
| V78    | Bus occupant injured in noncollision transport accident                                        | Transport injuries           |
| V79    | Bus occupant injured in other and unspecified transport accidents                              | Transport injuries           |
| V80    | Animal-rider or occupant of animal-drawn vehicle injured in transport accident                 | Transport injuries           |
| V81    | Occupant of railway train or railway vehicle injured in transport accident                     | Transport injuries           |
| V82    | Occupant of powered streetcar injured in transport accident                                    | Transport injuries           |
| V83    | Occupant of special vehicle mainly used on industrial premises injured in transport accident   | Transport injuries           |
| V84    | Occupant of special vehicle mainly used in agriculture injured in transport accident           | Transport injuries           |
| V85    | Occupant of special construction vehicle injured in transport accident                         | Transport injuries           |
| V86    | Occupant of special all-terrain or other off-road motor vehicle, injured in transport accident | Transport injuries           |
| V87    | Traffic accident of specified type but victim's mode of transport unknown                      | Transport injuries           |
| V88    | Nontraffic accident of specified type but victim's mode of transport unknown                   | Transport injuries           |
| V89    | Motor- or nonmotor-vehicle accident, type of vehicle unspecified                               | Transport injuries           |
| V90    | Drowning and submersion due to accident to watercraft                                          | Transport injuries           |
| V91    | Other injury due to accident to watercraft                                                     | Transport injuries           |
| V92    | Drowning and submersion due to accident on board watercraft, without accident to watercraft    | Transport injuries           |
| V94    | Other and unspecified water transport accidents                                                | Transport injuries           |
| V97    | Other specified air transport accidents                                                        | Transport injuries           |
| V98    | Other specified transport accidents                                                            | Transport injuries           |
| V99    | Unspecified transport accident                                                                 | Transport injuries           |
| VX     |                                                                                                | Transport injuries           |
| Y85    | Sequelae of transport accidents                                                                | Transport injuries           |
| W20    | Struck by thrown, projected or falling object                                                  | Other unintentional injuries |
| W21    | Striking against or struck by sports equipment                                                 | Other unintentional injuries |
| W22    | Striking against or struck by other objects                                                    | Other unintentional injuries |
| W23    | Caught, crushed, jammed or pinched in or between objects                                       | Other unintentional injuries |
| W24    | Contact with lifting and transmission devices, not elsewhere classified                        | Other unintentional injuries |
| W25    | Contact with sharp glass                                                                       | Other unintentional injuries |
| W26    | Contact with knife, sword or dagger                                                            | Other unintentional injuries |
| W27    | Contact with nonpowered hand tool                                                              | Other unintentional injuries |
| W30    | Contact with agricultural machinery                                                            | Other unintentional injuries |
| W31    | Contact with other and unspecified machinery                                                   | Other unintentional injuries |
| W32    | Accidental handgun discharge and malfunction                                                   | Other unintentional injuries |
| W33    | Accidental rifle, shotgun and larger firearm discharge and malfunction                         | Other unintentional injuries |
| W34    | Accidental discharge and malfunction from other and unspecified firearms and guns              | Other unintentional injuries |
| W36    | Explosion and rupture of gas cylinder                                                          | Other unintentional injuries |
| W37    | Explosion and rupture of pressurized tire, pipe or hose                                        | Other unintentional injuries |
| W39    | Discharge of firework                                                                          | Other unintentional injuries |
| W40    | Explosion of other materials                                                                   | Other unintentional injuries |
| W44    | Foreign body entering into or through eye or natural orifice                                   | Other unintentional injuries |
| W45    | Foreign body or object entering through skin                                                   | Other unintentional injuries |
| W46    | Contact with hypodermic needle                                                                 | Other unintentional injuries |
| W49    | Exposure to other inanimate mechanical forces                                                  | Other unintentional injuries |
| W50    | Accidental hit, strike, kick, twist, bite or scratch by another person                         | Other unintentional injuries |
| W51    | Accidental striking against or bumped into by another person                                   | Other unintentional injuries |
| W54    | Contact with dog                                                                               | Other unintentional injuries |
| W55    | Contact with other mammals                                                                     | Other unintentional injuries |
| W56    | Contact with nonvenomous marine animal                                                         | Other unintentional injuries |
| W57    | Bitten or stung by nonvenomous insect and other nonvenomous arthropods                         | Other unintentional injuries |
| W58    | Contact with crocodile or alligator                                                            | Other unintentional injuries |
| W59    | Contact with other nonvenomous reptiles                                                        | Other unintentional injuries |
| W60    | Contact with nonvenomous plant thorns and spines and sharp leaves                              | Other unintentional injuries |
| W64    | Exposure to other animate mechanical forces                                                    | Other unintentional injuries |
| W75    | Accidental suffocation and strangulation in bed                                                | Other unintentional injuries |
| W76    | Other accidental hanging and strangulation                                                     | Other unintentional injuries |
| W77    | Threat to breathing due to cave-in, falling earth and other substances                         | Other unintentional injuries |

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| ICD-10 | ICD-10 name                                                                                             | Cause group                  |
|--------|---------------------------------------------------------------------------------------------------------|------------------------------|
| W78    | Inhalation of gastric contents                                                                          | Other unintentional injuries |
| W79    | Inhalation and ingestion of food causing obstruction of respiratory tract                               | Other unintentional injuries |
| W80    | Inhalation and ingestion of other objects causing obstruction of respiratory tract                      | Other unintentional injuries |
| W81    | Confined to or trapped in a low-oxygen environment                                                      | Other unintentional injuries |
| W84    | Unspecified threat to breathing                                                                         | Other unintentional injuries |
| W85    | Exposure to electric transmission lines                                                                 | Other unintentional injuries |
| W86    | Exposure to other specified electric current                                                            | Other unintentional injuries |
| W87    | Exposure to unspecified electric current                                                                | Other unintentional injuries |
| W90    | Exposure to other nonionizing radiation                                                                 | Other unintentional injuries |
| W94    | Exposure to high and low air pressure and changes in air pressure                                       | Other unintentional injuries |
| X00    | Exposure to uncontrolled fire in building or structure                                                  | Other unintentional injuries |
| X01    | Exposure to uncontrolled fire, not in building or structure                                             | Other unintentional injuries |
| X02    | Exposure to controlled fire in building or structure                                                    | Other unintentional injuries |
| X03    | Exposure to controlled fire, not in building or structure                                               | Other unintentional injuries |
| X04    | Exposure to ignition of highly flammable material                                                       | Other unintentional injuries |
| X08    | Exposure to other specified smoke, fire and flames                                                      | Other unintentional injuries |
| X09    | Exposure to unspecified smoke, fire and flames                                                          | Other unintentional injuries |
| X10    | Contact with hot drinks, food, fats and cooking oils                                                    | Other unintentional injuries |
| X11    | Contact with hot tap-water                                                                              | Other unintentional injuries |
| X12    | Contact with other hot fluids                                                                           | Other unintentional injuries |
| X14    | Contact with hot air and other hot gases                                                                | Other unintentional injuries |
| X15    | Contact with hot household appliances                                                                   | Other unintentional injuries |
| X16    | Contact with hot heating appliances, radiators and pipes                                                | Other unintentional injuries |
| X18    | Contact with other hot metals                                                                           | Other unintentional injuries |
| X19    | Contact with other heat and hot substances                                                              | Other unintentional injuries |
| X20    | Contact with venomous snakes and lizards                                                                | Other unintentional injuries |
| X22    | Contact with scorpions                                                                                  | Other unintentional injuries |
| X23    | Contact with hornets, wasps and bees                                                                    | Other unintentional injuries |
| X24    | Contact with centipedes and venomous millipedes (tropical)                                              | Other unintentional injuries |
| X25    | Contact with other venomous arthropods                                                                  | Other unintentional injuries |
| X26    | Contact with venomous marine animals and plants                                                         | Other unintentional injuries |
| X28    | Contact with other specified venomous plants                                                            | Other unintentional injuries |
| X29    | Contact with unspecified venomous animal or plant                                                       | Other unintentional injuries |
| X30    | Exposure to excessive natural heat                                                                      | Other unintentional injuries |
| X31    | Exposure to excessive natural cold                                                                      | Other unintentional injuries |
| X33    | Victim of lightning                                                                                     | Other unintentional injuries |
| X34    | Earthquake                                                                                              | Other unintentional injuries |
| X36    | Avalanche, landslide and other earth movements                                                          | Other unintentional injuries |
| X37    | Cataclysmic storm                                                                                       | Other unintentional injuries |
| X39    | Exposure to other forces of nature                                                                      | Other unintentional injuries |
| X40    | Accidental poisoning by and exposure to nonopioid analgesics, antipyretics and antirheumatics           | Other unintentional injuries |
| X45    | Accidental poisoning by and exposure to alcohol                                                         | Other unintentional injuries |
| X46    | Accidental poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours | Other unintentional injuries |
| X47    | Accidental poisoning by and exposure to other gases and vapours                                         | Other unintentional injuries |
| X48    | Accidental poisoning by and exposure to pesticides                                                      | Other unintentional injuries |
| X49    | Accidental poisoning by and exposure to other and unspecified chemicals and noxious substances          | Other unintentional injuries |
| X50    | Overexertion and strenuous or repetitive movements                                                      | Other unintentional injuries |
| X58    | Exposure to other specified factors                                                                     | Other unintentional injuries |
| Y35    | Legal intervention                                                                                      | Other unintentional injuries |
| Y36    | Operations of war                                                                                       | Other unintentional injuries |
| Y40    | Systemic antibiotics                                                                                    | Other unintentional injuries |
| Y42    | Hormones and their synthetic substitutes and antagonists, not elsewhere classified                      | Other unintentional injuries |
| Y44    | Agents primarily affecting blood constituents                                                           | Other unintentional injuries |
| Y45    | Analgesics, antipyretics and anti-inflammatory drugs                                                    | Other unintentional injuries |
| Y48    | Anaesthetics and therapeutic gases                                                                      | Other unintentional injuries |

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| ICD-10 | ICD-10 name                                                                                                                                                                               | Cause group                  |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Y52    | Agents primarily affecting the cardiovascular system                                                                                                                                      | Other unintentional injuries |
| Y53    | Agents primarily affecting the gastrointestinal system                                                                                                                                    | Other unintentional injuries |
| Y57    | Other and unspecified drugs and medicaments                                                                                                                                               | Other unintentional injuries |
| Y58    | Bacterial vaccines                                                                                                                                                                        | Other unintentional injuries |
| Y59    | Other and unspecified vaccines and biological substances                                                                                                                                  | Other unintentional injuries |
| Y60    | Unintentional cut, puncture, perforation or haemorrhage during surgical and medical care                                                                                                  | Other unintentional injuries |
| Y62    | Failure of sterile precautions during surgical and medical care                                                                                                                           | Other unintentional injuries |
| Y63    | Failure in dosage during surgical and medical care                                                                                                                                        | Other unintentional injuries |
| Y69    | Unspecified misadventure during surgical and medical care                                                                                                                                 | Other unintentional injuries |
| Y72    | Otorhinolaryngological devices associated with adverse incidents                                                                                                                          | Other unintentional injuries |
| Y76    | Obstetric and gynecological devices associated with adverse incidents                                                                                                                     | Other unintentional injuries |
| Y83    | Surgical operation and other surgical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure | Other unintentional injuries |
| Y84    | Other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure                         | Other unintentional injuries |
| Y88    | Sequelae with surgical and medical care as external cause                                                                                                                                 | Other unintentional injuries |
| S      |                                                                                                                                                                                           | Injuries garbage codes       |
| S00    | Superficial injury of head                                                                                                                                                                | Injuries garbage codes       |
| S20    | Superficial injury of thorax                                                                                                                                                              | Injuries garbage codes       |
| S30    | Superficial injury of abdomen, lower back, pelvis and external genitals                                                                                                                   | Injuries garbage codes       |
| S73    | Dislocation and sprain of joint and ligaments of hip                                                                                                                                      | Injuries garbage codes       |
| S79    | Other and unspecified injuries of hip and thigh                                                                                                                                           | Injuries garbage codes       |
| S83    | Dislocation and sprain of joints and ligaments of knee                                                                                                                                    | Injuries garbage codes       |
| T00    | Superficial injuries involving multiple body regions                                                                                                                                      | Injuries garbage codes       |
| T08    | Fracture of spine, level unspecified                                                                                                                                                      | Injuries garbage codes       |
| T13    | Other injuries of lower limb, level unspecified                                                                                                                                           | Injuries garbage codes       |
| T15    | Foreign body on external eye                                                                                                                                                              | Injuries garbage codes       |
| T17.9  | Foreign body in respiratory tract, part unspecified                                                                                                                                       | Injuries garbage codes       |
| T20    | Burn and corrosion of head, face, and neck                                                                                                                                                | Injuries garbage codes       |
| T29    | Burns and corrosions of multiple body regions                                                                                                                                             | Injuries garbage codes       |
| T36    | Poisoning by, adverse effect of and underdosing of systemic antibiotics                                                                                                                   | Injuries garbage codes       |
| T39    | Poisoning by, adverse effect of and underdosing of nonopioid analgesics, antipyretics and antirheumatics                                                                                  | Injuries garbage codes       |
| T51    | Toxic effect of alcohol                                                                                                                                                                   | Injuries garbage codes       |
| T63    | Toxic effect of contact with venomous animals and plants                                                                                                                                  | Injuries garbage codes       |
| T65    | Toxic effect of other and unspecified substances                                                                                                                                          | Injuries garbage codes       |
| T65.92 | Toxic effect of unspecified substance, intentional self-harm, sequela                                                                                                                     | Injuries garbage codes       |
| T71.16 | Asphyxiation due to hanging                                                                                                                                                               | Injuries garbage codes       |
| T78.2  | Anaphylactic shock, unspecified, sequela                                                                                                                                                  | Injuries garbage codes       |
| T88.6  | Anaphylactic reaction due to adverse effect of correct drug or medicament properly administered, sequela                                                                                  | Injuries garbage codes       |
| T88.9  | Complication of surgical and medical care, unspecified, sequela                                                                                                                           | Injuries garbage codes       |
| T92    | Sequelae of injuries of upper limb                                                                                                                                                        | Injuries garbage codes       |
| T93    | Sequelae of injuries of lower limb                                                                                                                                                        | Injuries garbage codes       |
| A40    | Streptococcal sepsis                                                                                                                                                                      | Garbage Code                 |
| A41    | Other sepsis                                                                                                                                                                              | Garbage Code                 |
| A41.9  | Sepsis, unspecified organism                                                                                                                                                              | Garbage Code                 |
| A43    | Nocardiosis                                                                                                                                                                               | Garbage Code                 |
| A45    | There is not this code in ICD10 site, but we have this in mortality data                                                                                                                  | Garbage Code                 |
| A48    | Other bacterial diseases, not elsewhere classified                                                                                                                                        | Garbage Code                 |
| A49    | Bacterial infection of unspecified site                                                                                                                                                   | Garbage Code                 |
| B09    | Unspecified viral infection characterized by skin and mucous membrane lesions                                                                                                             | Garbage Code                 |
| B12    | There is not this code in ICD10 site, but we have this in mortality data                                                                                                                  | Garbage Code                 |
| B34    | Viral infection of unspecified site                                                                                                                                                       | Garbage Code                 |
| B35    | Dermatophytosis                                                                                                                                                                           | Garbage Code                 |
| B94    | Sequelae of other and unspecified infectious and parasitic diseases                                                                                                                       | Garbage Code                 |

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| ICD-10 | ICD-10 name                                                                                          | Cause group  |
|--------|------------------------------------------------------------------------------------------------------|--------------|
| B96    | Other bacterial agents as the cause of diseases classified elsewhere                                 | Garbage Code |
| B99    | Other and unspecified infectious diseases                                                            | Garbage Code |
| B99.8  | Other infectious disease                                                                             | Garbage Code |
| B99.9  | Unspecified infectious disease                                                                       | Garbage Code |
| C14    | Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx                | Garbage Code |
| C26    | Malignant neoplasm of other and ill-defined digestive organs                                         | Garbage Code |
| C29    | There is not this code in ICD10 site, but we have this in mortality data                             | Garbage Code |
| C35    | There is not this code in ICD10 site, but we have this in mortality data                             | Garbage Code |
| C39    | Malignant neoplasm of other and ill-defined sites in the respiratory system and intrathoracic organs | Garbage Code |
| C55    | Malignant neoplasm of uterus, part unspecified                                                       | Garbage Code |
| C68    | Malignant neoplasm of other and unspecified urinary organs                                           | Garbage Code |
| C76    | Malignant neoplasm of other and ill-defined sites                                                    | Garbage Code |
| C77    | Secondary and unspecified malignant neoplasm of lymph nodes                                          | Garbage Code |
| C78    | Secondary malignant neoplasm of respiratory and digestive organs                                     | Garbage Code |
| C79    | Secondary malignant neoplasm of other and unspecified sites                                          | Garbage Code |
| C80    | Malignant neoplasm without specification of site                                                     | Garbage Code |
| C97    | Malignant neoplasms of independent (primary) multiple sites                                          | Garbage Code |
| C99    | There is not this code in ICD10 site, but we have this in mortality data                             | Garbage Code |
| D00    | Carcinoma in situ of oral cavity, esophagus and stomach                                              | Garbage Code |
| D01    | Carcinoma in situ of other and unspecified digestive organs                                          | Garbage Code |
| D02    | Carcinoma in situ of middle ear and respiratory system                                               | Garbage Code |
| D07    | Carcinoma in situ of other and unspecified genital organs                                            | Garbage Code |
| D09    | Carcinoma in situ of other and unspecified sites                                                     | Garbage Code |
| D13    | Benign neoplasm of other and ill-defined parts of digestive system                                   | Garbage Code |
| D14    | Benign neoplasm of middle ear and respiratory system                                                 | Garbage Code |
| D15    | Benign neoplasm of other and unspecified intrathoracic organs                                        | Garbage Code |
| D17    | Benign lipomatous neoplasm                                                                           | Garbage Code |
| D21    | Other benign neoplasms of connective and other soft tissue                                           | Garbage Code |
| D37    | Neoplasm of uncertain behavior of oral cavity and digestive organs                                   | Garbage Code |
| D38    | Neoplasm of uncertain behavior of middle ear and respiratory and intrathoracic organs                | Garbage Code |
| D41    | Neoplasm of uncertain behavior of urinary organs                                                     | Garbage Code |
| D44    | Neoplasm of uncertain behavior of endocrine glands                                                   | Garbage Code |
| D48    | Neoplasm of uncertain behavior of other and unspecified sites                                        | Garbage Code |
| D48.9  | Neoplasm of uncertain behavior, unspecified                                                          | Garbage Code |
| D65    | Disseminated intravascular coagulation [defibrination syndrome]                                      | Garbage Code |
| E18    | There is not this code in ICD10 site, but we have this in mortality data                             | Garbage Code |
| F04    | Amnestic disorder due to known physiological condition                                               | Garbage Code |
| F05    | Delirium due to known physiological condition                                                        | Garbage Code |
| F06    | Other mental disorders due to known physiological condition                                          | Garbage Code |
| F07    | Personality and behavioral disorders due to known physiological condition                            | Garbage Code |
| F09    | Unspecified mental disorder due to known physiological condition                                     | Garbage Code |
| F17    | Nicotine dependence                                                                                  | Garbage Code |
| F23    | Brief psychotic disorder                                                                             | Garbage Code |
| F30    | Manic episode                                                                                        | Garbage Code |
| F31    | Bipolar disorder                                                                                     | Garbage Code |
| F32    | Major depressive disorder, single episode                                                            | Garbage Code |
| F33    | Major depressive disorder, recurrent                                                                 | Garbage Code |
| F34    | Persistent mood [affective] disorders                                                                | Garbage Code |
| F39    | Unspecified mood [affective] disorder                                                                | Garbage Code |
| F40    | Phobic anxiety disorders                                                                             | Garbage Code |
| F41    | Other anxiety disorders                                                                              | Garbage Code |
| F43    | Reaction to severe stress, and adjustment disorders                                                  | Garbage Code |
| F48    | Other nonpsychotic mental disorders                                                                  | Garbage Code |
| F48.9  | Nonpsychotic mental disorder, unspecified                                                            | Garbage Code |
| F50    | Eating disorders                                                                                     | Garbage Code |
| F53    | Puerperal psychosis                                                                                  | Garbage Code |

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| ICD-10 | ICD-10 name                                                                                      | Cause group  |
|--------|--------------------------------------------------------------------------------------------------|--------------|
| F54    | Psychological and behavioral factors associated with disorders or diseases classified elsewhere  | Garbage Code |
| F55    | Abuse of non-psychoactive substances                                                             | Garbage Code |
| F59    | Unspecified behavioral syndromes associated with physiological disturbances and physical factors | Garbage Code |
| F63    | Impulse disorders                                                                                | Garbage Code |
| F70    | Mild intellectual disabilities                                                                   | Garbage Code |
| F71    | Moderate intellectual disabilities                                                               | Garbage Code |
| F72    | Severe intellectual disabilities                                                                 | Garbage Code |
| F79    | Unspecified intellectual disabilities                                                            | Garbage Code |
| F82    | Specific developmental disorder of motor function                                                | Garbage Code |
| F83    | Mixed specific developmental disorders                                                           | Garbage Code |
| F84    | Pervasive developmental disorders                                                                | Garbage Code |
| F95    | Tic disorder                                                                                     | Garbage Code |
| F99    | Mental disorder, not otherwise specified                                                         | Garbage Code |
| G43    | Migraine                                                                                         | Garbage Code |
| G44    | Other headache syndromes                                                                         | Garbage Code |
| G47    | Sleep disorders                                                                                  | Garbage Code |
| G51    | Facial nerve disorders                                                                           | Garbage Code |
| G54    | Nerve root and plexus disorders                                                                  | Garbage Code |
| G55    | Nerve root and plexus compressions in diseases classified elsewhere                              | Garbage Code |
| G57    | Mononeuropathies of lower limb                                                                   | Garbage Code |
| G62    | Other and unspecified polyneuropathies                                                           | Garbage Code |
| G64    | Other disorders of peripheral nervous system                                                     | Garbage Code |
| G69    | There is not this code in ICD10 site, but we have this in mortality data                         | Garbage Code |
| G80    | Cerebral palsy                                                                                   | Garbage Code |
| G81    | Hemiplegia and hemiparesis                                                                       | Garbage Code |
| G82    | Paraplegia (paraparesis) and quadriplegia (quadriparesis)                                        | Garbage Code |
| G83    | Other paralytic syndromes                                                                        | Garbage Code |
| G89    | Pain, not elsewhere classified                                                                   | Garbage Code |
| G91    | Hydrocephalus                                                                                    | Garbage Code |
| G92    | Toxic encephalopathy                                                                             | Garbage Code |
| G94    | Other disorders of brain in diseases classified elsewhere                                        | Garbage Code |
| G96    | Other disorders of central nervous system                                                        | Garbage Code |
| H02    | Other disorders of eyelid                                                                        | Garbage Code |
| H05    | Disorders of orbit                                                                               | Garbage Code |
| H10    | Conjunctivitis                                                                                   | Garbage Code |
| H17    | Corneal scars and opacities                                                                      | Garbage Code |
| H18    | Other disorders of cornea                                                                        | Garbage Code |
| H26    | Other cataract                                                                                   | Garbage Code |
| H35    | Other retinal disorders                                                                          | Garbage Code |
| H40    | Glaucoma                                                                                         | Garbage Code |
| H44    | Disorders of globe                                                                               | Garbage Code |
| H60    | Otitis externa                                                                                   | Garbage Code |
| H61    | Other disorders of external ear                                                                  | Garbage Code |
| H61.9  | Disorder of external ear, unspecified                                                            | Garbage Code |
| H66    | Suppurative and unspecified otitis media                                                         | Garbage Code |
| H66.9  | Otitis media, unspecified                                                                        | Garbage Code |
| H81    | Disorders of vestibular function                                                                 | Garbage Code |
| I10    | Essential (primary) hypertension                                                                 | Garbage Code |
| I15    | Secondary hypertension                                                                           | Garbage Code |
| I26    | Pulmonary embolism                                                                               | Garbage Code |
| I27    | Other pulmonary heart diseases                                                                   | Garbage Code |
| I44    | Atrioventricular and left bundle-branch block                                                    | Garbage Code |
| I45    | Other conduction disorders                                                                       | Garbage Code |
| I46    | Cardiac arrest                                                                                   | Garbage Code |
| I49    | Other cardiac arrhythmias                                                                        | Garbage Code |
| I50    | Heart failure                                                                                    | Garbage Code |

Aim 2 Supplementary Tables

| ICD-10 | ICD-10 name                                                              | Cause group  |
|--------|--------------------------------------------------------------------------|--------------|
| I50.0  | Congestive heart failure                                                 | Garbage Code |
| I50.9  | Heart failure, unspecified                                               | Garbage Code |
| I51    | Complications and ill-defined descriptions of heart disease              | Garbage Code |
| I51.9  | Heart disease, unspecified                                               | Garbage Code |
| I95    | Hypotension                                                              | Garbage Code |
| J00    | Acute nasopharyngitis [common cold]                                      | Garbage Code |
| J03    | Acute tonsillitis                                                        | Garbage Code |
| J04    | Acute laryngitis and tracheitis                                          | Garbage Code |
| J06    | Acute upper respiratory infections of multiple and unspecified sites     | Garbage Code |
| J81    | Pulmonary edema                                                          | Garbage Code |
| J93    | Pneumothorax and air leak                                                | Garbage Code |
| J94    | Other pleural conditions                                                 | Garbage Code |
| K00    | Disorders of tooth development and eruption                              | Garbage Code |
| K02    | Dental caries                                                            | Garbage Code |
| K04    | Diseases of pulp and periapical tissues                                  | Garbage Code |
| K05    | Gingivitis and periodontal diseases                                      | Garbage Code |
| K06    | Other disorders of gingiva and edentulous alveolar ridge                 | Garbage Code |
| K08    | Other disorders of teeth and supporting structures                       | Garbage Code |
| K10    | Other diseases of jaws                                                   | Garbage Code |
| K12    | Stomatitis and related lesions                                           | Garbage Code |
| K13    | Other diseases of lip and oral mucosa                                    | Garbage Code |
| K14    | Diseases of tongue                                                       | Garbage Code |
| K16    | There is not this code in ICD10 site, but we have this in mortality data | Garbage Code |
| K17    | There is not this code in ICD10 site, but we have this in mortality data | Garbage Code |
| K30    | Functional dyspepsia                                                     | Garbage Code |
| K65    | Peritonitis                                                              | Garbage Code |
| K66    | Other disorders of peritoneum                                            | Garbage Code |
| K71    | Toxic liver disease                                                      | Garbage Code |
| L20    | Atopic dermatitis                                                        | Garbage Code |
| L23    | Allergic contact dermatitis                                              | Garbage Code |
| L25    | Unspecified contact dermatitis                                           | Garbage Code |
| L27    | Dermatitis due to substances taken internally                            | Garbage Code |
| L29    | Pruritus                                                                 | Garbage Code |
| L30    | Other and unspecified dermatitis                                         | Garbage Code |
| L40    | Psoriasis                                                                | Garbage Code |
| L53    | Other erythematous conditions                                            | Garbage Code |
| L60    | Nail disorders                                                           | Garbage Code |
| L64    | Androgenic alopecia                                                      | Garbage Code |
| L69    | There is not this code in ICD10 site, but we have this in mortality data | Garbage Code |
| L85    | Other epidermal thickening                                               | Garbage Code |
| L95    | Vasculitis limited to skin, not elsewhere classified                     | Garbage Code |
| M10    | Gout                                                                     | Garbage Code |
| M17    | Osteoarthritis of knee                                                   | Garbage Code |
| M18    | Osteoarthritis of first carpometacarpal joint                            | Garbage Code |
| M45    | Ankylosing spondylitis                                                   | Garbage Code |
| M46    | Other inflammatory spondylopathies                                       | Garbage Code |
| M47    | Spondylosis                                                              | Garbage Code |
| M48    | Other spondylopathies                                                    | Garbage Code |
| M49    | Spondylopathies in diseases classified elsewhere                         | Garbage Code |
| M50    | Cervical disc disorders                                                  | Garbage Code |
| M53    | Other and unspecified dorsopathies, not elsewhere classified             | Garbage Code |
| M60    | Myositis                                                                 | Garbage Code |
| M61    | Calcification and ossification of muscle                                 | Garbage Code |
| M62    | Other disorders of muscle                                                | Garbage Code |
| M67    | Other disorders of synovium and tendon                                   | Garbage Code |
| M72    | Fibroblastic disorders                                                   | Garbage Code |
| M85    | Other disorders of bone density and structure                            | Garbage Code |

Aim 2 Supplementary Tables

| ICD-10 | ICD-10 name                                                                 | Cause group  |
|--------|-----------------------------------------------------------------------------|--------------|
| N35    | Urethral stricture                                                          | Garbage Code |
| N36    | Other disorders of urethra                                                  | Garbage Code |
| N40    | Enlarged prostate                                                           | Garbage Code |
| N41    | Inflammatory diseases of prostate                                           | Garbage Code |
| N42    | Other and unspecified disorders of prostate                                 | Garbage Code |
| N43    | Hydrocele and spermatocele                                                  | Garbage Code |
| N48    | Other disorders of penis                                                    | Garbage Code |
| N50    | Other and unspecified disorders of male genital organs                      | Garbage Code |
| N61    | Inflammatory disorders of breast                                            | Garbage Code |
| N63    | Unspecified lump in breast                                                  | Garbage Code |
| N88    | Other noninflammatory disorders of cervix uteri                             | Garbage Code |
| R00    | Abnormalities of heart beat                                                 | Garbage Code |
| R02    | Gangrene, not elsewhere classified                                          | Garbage Code |
| R06    | Abnormalities of breathing                                                  | Garbage Code |
| R09    | Other symptoms and signs involving the circulatory and respiratory system   | Garbage Code |
| R09.0  | Asphyxia and hypoxemia                                                      | Garbage Code |
| R10    | Abdominal and pelvic pain                                                   | Garbage Code |
| R10.0  | Acute abdomen                                                               | Garbage Code |
| R11    | Nausea and vomiting                                                         | Garbage Code |
| R13    | Aphagia and dysphagia                                                       | Garbage Code |
| R14    | Flatulence and related conditions                                           | Garbage Code |
| R15    | Fecal incontinence                                                          | Garbage Code |
| R16    | Hepatomegaly and splenomegaly, not elsewhere classified                     | Garbage Code |
| R17    | Unspecified jaundice                                                        | Garbage Code |
| R18    | Ascites                                                                     | Garbage Code |
| R19    | Other symptoms and signs involving the digestive system and abdomen         | Garbage Code |
| R20    | Disturbances of skin sensation                                              | Garbage Code |
| R21    | Rash and other nonspecific skin eruption                                    | Garbage Code |
| R22    | Localized swelling, mass and lump of skin and subcutaneous tissue           | Garbage Code |
| R23    | Other skin changes                                                          | Garbage Code |
| R25    | Abnormal involuntary movements                                              | Garbage Code |
| R26    | Abnormalities of gait and mobility                                          | Garbage Code |
| R29    | Other symptoms and signs involving the nervous and musculoskeletal systems  | Garbage Code |
| R31    | Hematuria                                                                   | Garbage Code |
| R33    | Retention of urine                                                          | Garbage Code |
| R34    | Anuria and oliguria                                                         | Garbage Code |
| R37    | Sexual dysfunction, unspecified                                             | Garbage Code |
| R39    | Other and unspecified symptoms and signs involving the genitourinary system | Garbage Code |
| R40    | Somnolence, stupor and coma                                                 | Garbage Code |
| R41    | Other symptoms and signs involving cognitive functions and awareness        | Garbage Code |
| R42    | Dizziness and giddiness                                                     | Garbage Code |
| R45    | Symptoms and signs involving emotional state                                | Garbage Code |
| R46    | Symptoms and signs involving appearance and behavior                        | Garbage Code |
| R50    | Fever of other and unknown origin                                           | Garbage Code |
| R50.0  | Fever with Chills                                                           | Garbage Code |
| R51    | Headache                                                                    | Garbage Code |
| R52    | Pain, unspecified                                                           | Garbage Code |
| R53    | Malaise and fatigue                                                         | Garbage Code |
| R54    | Age-related physical debility                                               | Garbage Code |
| R55    | Syncope and collapse                                                        | Garbage Code |
| R56    | Convulsions, not elsewhere classified                                       | Garbage Code |
| R56.0  | Febrile convulsions                                                         | Garbage Code |
| R57    | Shock, not elsewhere classified                                             | Garbage Code |
| R58    | Hemorrhage, not elsewhere classified                                        | Garbage Code |
| R59    | Enlarged lymph nodes                                                        | Garbage Code |
| R60    | Edema, not elsewhere classified                                             | Garbage Code |
| R60.9  | Edema, unspecified                                                          | Garbage Code |

Aim 2 Supplementary Tables

| ICD-10 | ICD-10 name                                                                                                                         | Cause group  |
|--------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|
| R62    | Lack of expected normal physiological development in childhood and adults                                                           | Garbage Code |
| R63    | Symptoms and signs concerning food and fluid intake                                                                                 | Garbage Code |
| R64    | Cachexia                                                                                                                            | Garbage Code |
| R68    | Other general symptoms and signs                                                                                                    | Garbage Code |
| R69    | Illness, unspecified                                                                                                                | Garbage Code |
| R71    | Abnormality of red blood cells                                                                                                      | Garbage Code |
| R75    | Inconclusive laboratory evidence of human immunodeficiency virus [HIV]                                                              | Garbage Code |
| R77    | Other abnormalities of plasma proteins                                                                                              | Garbage Code |
| R86    | Abnormal findings in specimens from male genital organs                                                                             | Garbage Code |
| R90    | Abnormal findings on diagnostic imaging of central nervous system                                                                   | Garbage Code |
| R95    | Sudden infant death syndrome                                                                                                        | Garbage Code |
| R96    | Other sudden death, cause unknown                                                                                                   | Garbage Code |
| R98    | Unattended death                                                                                                                    | Garbage Code |
| R99    | Ill-defined and unknown cause of mortality                                                                                          | Garbage Code |
| S06    | Intracranial injury                                                                                                                 | Garbage Code |
| S07    | Crushing injury of head                                                                                                             | Garbage Code |
| S08    | Avulsion and traumatic amputation of part of head                                                                                   | Garbage Code |
| S09    | Other and unspecified injuries of head                                                                                              | Garbage Code |
| S10    | Superficial injury of neck                                                                                                          | Garbage Code |
| S12    | Fracture of cervical vertebra and other parts of neck                                                                               | Garbage Code |
| S14    | Injury of nerves and spinal cord at neck level                                                                                      | Garbage Code |
| S18    | Traumatic amputation at neck level                                                                                                  | Garbage Code |
| S19    | Other specified and unspecified injuries of neck                                                                                    | Garbage Code |
| S22    | Fracture of rib(s), sternum and thoracic spine                                                                                      | Garbage Code |
| S27    | Injury of other and unspecified intrathoracic organs                                                                                | Garbage Code |
| S29    | Other and unspecified injuries of thorax                                                                                            | Garbage Code |
| S32    | Fracture of lumbar spine and pelvis                                                                                                 | Garbage Code |
| S37    | Injury of urinary and pelvic organs                                                                                                 | Garbage Code |
| S39    | Other and unspecified injuries of abdomen, lower back, pelvis and external genitals                                                 | Garbage Code |
| S62    | Fracture at wrist and hand level                                                                                                    | Garbage Code |
| S72    | Fracture of femur                                                                                                                   | Garbage Code |
| S82    | Fracture of lower leg, including ankle                                                                                              | Garbage Code |
| S89    | Other and unspecified injuries of lower leg                                                                                         | Garbage Code |
| S92    | Fracture of foot and toe, except ankle                                                                                              | Garbage Code |
| T07    | Unspecified multiple injuries                                                                                                       | Garbage Code |
| T09    | Other injuries of spine and trunk, level unspecified                                                                                | Garbage Code |
| T10    | Fracture of upper limb, level unspecified                                                                                           | Garbage Code |
| T12    | Fracture of lower limb, level unspecified                                                                                           | Garbage Code |
| T14    | Injury of unspecified body region                                                                                                   | Garbage Code |
| T17    | Foreign body in respiratory tract                                                                                                   | Garbage Code |
| T18    | Foreign body in alimentary tract                                                                                                    | Garbage Code |
| T21    | Burn and corrosion of trunk                                                                                                         | Garbage Code |
| T30    | Burn and corrosion, body region unspecified                                                                                         | Garbage Code |
| T31    | Burns classified according to extent of body surface involved                                                                       | Garbage Code |
| T35    | Frostbite involving multiple body regions and unspecified frostbite                                                                 | Garbage Code |
| T40    | Poisoning by, adverse effect of and underdosing of narcotics and psychodysleptics [hallucinogens]                                   | Garbage Code |
| T47    | Poisoning by, adverse effect of and underdosing of agents primarily affecting the gastrointestinal system                           | Garbage Code |
| T50    | Poisoning by, adverse effect of and underdosing of diuretics and other and unspecified drugs, medicaments and biological substances | Garbage Code |
| T56    | Toxic effect of metals                                                                                                              | Garbage Code |
| T58    | Toxic effect of carbon monoxide                                                                                                     | Garbage Code |
| T60    | Toxic effect of pesticides                                                                                                          | Garbage Code |
| T62    | Toxic effect of other noxious substances eaten as food                                                                              | Garbage Code |
| T67    | Effects of heat and light                                                                                                           | Garbage Code |
| T68    | Hypothermia                                                                                                                         | Garbage Code |



Aim 2 Supplementary Tables

| ICD-10 | ICD-10 name                                                                                                                                           | Cause group  |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| T71    | Asphyxiation                                                                                                                                          | Garbage Code |
| T75    | Other and unspecified effects of other external causes                                                                                                | Garbage Code |
| T78    | Adverse effects, not elsewhere classified                                                                                                             | Garbage Code |
| T79    | Certain early complications of trauma, not elsewhere classified                                                                                       | Garbage Code |
| T80    | Complications following infusion, transfusion and therapeutic injection                                                                               | Garbage Code |
| T81    | Complications of procedures, not elsewhere classified                                                                                                 | Garbage Code |
| T82    | Complications of cardiac and vascular prosthetic devices, implants and grafts                                                                         | Garbage Code |
| T88    | Other complications of surgical and medical care, not elsewhere classified                                                                            | Garbage Code |
| T90    | Sequelae of injuries of head                                                                                                                          | Garbage Code |
| T95    | Sequelae of burns, corrosions and frostbite                                                                                                           | Garbage Code |
| W47    | There is not this code in ICD10 site, but we have this in mortality data                                                                              | Garbage Code |
| X42    | Accidental poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified                                      | Garbage Code |
| X44    | Accidental poisoning by and exposure to other and unspecified drugs, medicaments and biological substances                                            | Garbage Code |
| X59    | Exposure to unspecified factor                                                                                                                        | Garbage Code |
| Y11    | Poisoning by and exposure to antiepileptic, sedative-hypnotic, antiparkinsonism and psychotropic drugs, not elsewhere classified, undetermined intent | Garbage Code |
| Y12    | Poisoning by and exposure to narcotics and psychodysleptics [hallucinogens], not elsewhere classified, undetermined intent                            | Garbage Code |
| Y13    | Poisoning by and exposure to other drugs acting on the autonomic nervous system, undetermined intent                                                  | Garbage Code |
| Y14    | Poisoning by and exposure to other and unspecified drugs, medicaments and biological substances, undetermined intent                                  | Garbage Code |
| Y15    | Poisoning by and exposure to alcohol, undetermined intent                                                                                             | Garbage Code |
| Y16    | Poisoning by and exposure to organic solvents and halogenated hydrocarbons and their vapours, undetermined intent                                     | Garbage Code |
| Y17    | Poisoning by and exposure to other gases and vapours, undetermined intent                                                                             | Garbage Code |
| Y18    | Poisoning by and exposure to pesticides, undetermined intent                                                                                          | Garbage Code |
| Y19    | Poisoning by and exposure to other and unspecified chemicals and noxious substances, undetermined intent                                              | Garbage Code |
| Y20    | Hanging, strangulation and suffocation, undetermined intent                                                                                           | Garbage Code |
| Y21    | Drowning and submersion, undetermined intent                                                                                                          | Garbage Code |
| Y22    | Handgun discharge, undetermined intent                                                                                                                | Garbage Code |
| Y23    | Rifle, shotgun and larger firearm discharge, undetermined intent                                                                                      | Garbage Code |
| Y24    | Other and unspecified firearm discharge, undetermined intent                                                                                          | Garbage Code |
| Y25    | Contact with explosive material, undetermined intent                                                                                                  | Garbage Code |
| Y26    | Exposure to smoke, fire and flames, undetermined intent                                                                                               | Garbage Code |
| Y28    | Contact with sharp object, undetermined intent                                                                                                        | Garbage Code |
| Y29    | Contact with blunt object, undetermined intent                                                                                                        | Garbage Code |
| Y30    | Falling, jumping or pushed from a high place, undetermined intent                                                                                     | Garbage Code |
| Y31    | Falling, lying or running before or into moving object, undetermined intent                                                                           | Garbage Code |
| Y34    | Unspecified event, undetermined intent                                                                                                                | Garbage Code |
| Y86    | Sequelae of other accidents                                                                                                                           | Garbage Code |
| Y87    | Sequelae of intentional self-harm, assault and events of undetermined intent                                                                          | Garbage Code |
| Y89    | Sequelae of other external causes                                                                                                                     | Garbage Code |
| Y90    | Evidence of alcohol involvement determined by blood alcohol level                                                                                     | Garbage Code |
| Y91    | Evidence of alcohol involvement determined by level of intoxication                                                                                   | Garbage Code |
| Z18    | Retained foreign body fragments                                                                                                                       | Garbage Code |
| Z37    | Outcome of delivery                                                                                                                                   | Garbage Code |
| Z50    | Care involving use of rehabilitation procedures                                                                                                       | Garbage Code |
| Z74    | Problems related to care provider dependency                                                                                                          | Garbage Code |
| Z85    | Personal history of malignant neoplasm                                                                                                                | Garbage Code |
| Z98    | Other postprocedural states                                                                                                                           | Garbage Code |
| ZZZ    | Catch-all garbage code                                                                                                                                | Garbage Code |
| P95    | Stillbirth                                                                                                                                            | stillborn    |

Supplementary Table 3. Spatial adjacency matrix of provinces, used to inform spatial residual in ICAR cause fraction models.

|                     | Aceh | Sumatera Utara | Sumatera Barat | Riau | Jambi | Sumatera Selatan | Bengkulu | Lampung | Bangka Belitung | Kepulauan Riau | DKI Jakarta | Jawa Barat | Jawa Tengah | DI Yogyakarta | Jawa Timur | Banten | Bali | Nusa Tenggara Barat | Nusa Tenggara Timur | Kalimantan Barat | Kalimantan Tengah | Kalimantan Selatan | Kalimantan Timur | Kalimantan Utara | Sulawesi Utara | Sulawesi Tengah | Sulawesi Selatan | Sulawesi Tenggara | Gorontalo | Sulawesi Barat | Maluku | Maluku Utara | Papua Barat | Papua |
|---------------------|------|----------------|----------------|------|-------|------------------|----------|---------|-----------------|----------------|-------------|------------|-------------|---------------|------------|--------|------|---------------------|---------------------|------------------|-------------------|--------------------|------------------|------------------|----------------|-----------------|------------------|-------------------|-----------|----------------|--------|--------------|-------------|-------|
| Aceh                | 1    | 1              | 0.5            | 0.5  | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Sumatera Utara      | 1    | 1              | 1              | 1    | 0.5   | 0                | 0.5      | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Sumatera Barat      | 0.5  | 1              | 1              | 1    | 1     | 0.5              | 1        | 0.5     | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Riau                | 0.5  | 1              | 1              | 1    | 1     | 0.5              | 0.5      | 0       | 0               | 0.5            | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Jambi               | 0    | 0.5            | 1              | 1    | 1     | 1                | 1        | 0.5     | 0               | 0.5            | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Sumatera Selatan    | 0    | 0              | 0.5            | 0.5  | 1     | 1                | 1        | 1       | 0.5             | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Bengkulu            | 0    | 0.5            | 1              | 0.5  | 1     | 1                | 1        | 1       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Lampung             | 0    | 0              | 0.5            | 0    | 0.5   | 1                | 1        | 1       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0.5    | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Bangka Belitung     | 0    | 0              | 0              | 0    | 0     | 0.5              | 0        | 0       | 1               | 0.5            | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0.5              | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Kepulauan Riau      | 0    | 0              | 0              | 0.5  | 0.5   | 0                | 0        | 0       | 0.5             | 1              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| DKI Jakarta         | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 1           | 1          | 0.5         | 0             | 0          | 1      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Jawa Barat          | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 1           | 1          | 1           | 0.5           | 0.5        | 1      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Jawa Tengah         | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0.5         | 1          | 1           | 1             | 1          | 0.5    | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| DI Yogyakarta       | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0.5        | 1           | 1             | 0.5        | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Jawa Timur          | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0.5        | 1           | 0.5           | 1          | 0      | 0.5  | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Banten              | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0.5     | 0               | 0              | 1           | 1          | 0.5         | 0             | 0          | 1      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Bali                | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0.5        | 0      | 1    | 0.5                 | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Nusa Tenggara Barat | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0.5  | 1                   | 0.5                 | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0.5              | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Nusa Tenggara Timur | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0.5                 | 1                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0.5              | 0.5               | 0         | 0              | 0.5    | 0            | 0           | 0     |
| Kalimantan Barat    | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0.5             | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 1                | 1                 | 0.5                | 1                | 0.5              | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Kalimantan Tengah   | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 1                | 1                 | 1                  | 1                | 0.5              | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Kalimantan Selatan  | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0.5              | 1                 | 1                  | 1                | 0.5              | 0              | 0               | 0                | 0                 | 0         | 0.5            | 0      | 0            | 0           | 0     |
| Kalimantan Timur    | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 1                | 1                 | 1                  | 1                | 1                | 0              | 0.5             | 0                | 0                 | 0         | 0.5            | 0      | 0            | 0           | 0     |
| Kalimantan Utara    | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0.5              | 0.5               | 0.5                | 1                | 1                | 0              | 0               | 0                | 0                 | 0         | 0              | 0      | 0            | 0           | 0     |
| Sulawesi Utara      | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 1              | 0.5             | 0                | 0                 | 1         | 0              | 0      | 0.5          | 0           | 0     |
| Sulawesi Tengah     | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0.5              | 0                | 0.5            | 1               | 1                | 1                 | 1         | 1              | 1      | 0            | 0.5         | 0     |
| Sulawesi Selatan    | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0.5                 | 0.5                 | 0                | 0                 | 0                  | 0                | 0                | 0              | 1               | 1                | 1                 | 0.5       | 1              | 0      | 0            | 0           | 0     |
| Sulawesi Tenggara   | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 1              | 1               | 1                | 0.5               | 0.5       | 0.5            | 0.5    | 0.5          | 0.5         | 0     |
| Gorontalo           | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0.5                | 0.5              | 0                | 1              | 1               | 0.5              | 0.5               | 1         | 0.5            | 0      | 0            | 0           | 0     |
| Sulawesi Barat      | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0.5                | 0.5              | 0                | 0              | 1               | 1                | 0.5               | 1         | 0              | 0      | 0            | 0           | 0     |
| Maluku              | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0.5                 | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 1      | 0.5          | 0.5         | 0.5   |
| Maluku Utara        | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0.5              | 0.5            | 0               | 0.5              | 0                 | 0         | 0.5            | 1      | 0.5          | 0           | 0     |
| Papua Barat         | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0.5    | 0.5          | 1           | 1     |
| Papua               | 0    | 0              | 0              | 0    | 0     | 0                | 0        | 0       | 0               | 0              | 0           | 0          | 0           | 0             | 0          | 0      | 0    | 0                   | 0                   | 0                | 0                 | 0                  | 0                | 0                | 0              | 0               | 0                | 0                 | 0         | 0              | 0.5    | 0            | 1           | 1     |

**Supplementary Table 4a. Structured spatial random effects estimated in each cause-specific ICAR model.**

| Cause group                                                | Province            | Mean   | St Dev |
|------------------------------------------------------------|---------------------|--------|--------|
| Communicable, maternal, neonatal, and nutritional diseases | Aceh                | -0.013 | 0.152  |
|                                                            | Sumatera Utara      | -0.213 | 0.082  |
|                                                            | Sumatera Barat      | -0.102 | 0.107  |
|                                                            | Riau                | -0.239 | 0.117  |
|                                                            | Jambi               | 0.058  | 0.143  |
|                                                            | Sumatera Selatan    | -0.314 | 0.086  |
|                                                            | Bengkulu            | -0.191 | 0.175  |
|                                                            | Lampung             | 0.032  | 0.136  |
|                                                            | Bangka Belitung     | -0.316 | 0.182  |
|                                                            | Kepulauan Riau      | 0.112  | 0.165  |
|                                                            | DKI Jakarta         | 0.139  | 0.215  |
|                                                            | Jawa Barat          | 0.124  | 0.069  |
|                                                            | Jawa Tengah         | 0.077  | 0.091  |
|                                                            | DI Yogyakarta       | 0.025  | 0.162  |
|                                                            | Jawa Timur          | 0.109  | 0.099  |
|                                                            | Banten              | -0.084 | 0.154  |
|                                                            | Bali                | -0.016 | 0.143  |
|                                                            | Nusa Tenggara Barat | 0.009  | 0.107  |
|                                                            | Nusa Tenggara Timur | 0.386  | 0.139  |
|                                                            | Kalimantan Barat    | 0.061  | 0.162  |
|                                                            | Kalimantan Tengah   | -0.156 | 0.175  |
|                                                            | Kalimantan Selatan  | 0.330  | 0.141  |
|                                                            | Kalimantan Timur    | -0.222 | 0.174  |
|                                                            | Kalimantan Utara    | 0.128  | 0.230  |
|                                                            | Sulawesi Utara      | -0.305 | 0.162  |
|                                                            | Sulawesi Tengah     | 0.139  | 0.167  |
|                                                            | Sulawesi Selatan    | 0.120  | 0.080  |
|                                                            | Sulawesi Tenggara   | 0.015  | 0.232  |
|                                                            | Gorontalo           | 0.393  | 0.096  |
|                                                            | Sulawesi Barat      | -0.233 | 0.169  |
|                                                            | Maluku              | 0.149  | 0.231  |
|                                                            | Maluku Utara        | -0.208 | 0.243  |
|                                                            | Papua Barat         | 0.012  | 0.248  |
|                                                            | Papua               | 0.228  | 0.180  |
| Diarrheal diseases                                         | Aceh                | 0.054  | 0.179  |
|                                                            | Sumatera Utara      | 0.291  | 0.123  |
|                                                            | Sumatera Barat      | -0.256 | 0.143  |
|                                                            | Riau                | 0.183  | 0.183  |
|                                                            | Jambi               | 0.173  | 0.195  |
|                                                            | Sumatera Selatan    | -0.076 | 0.126  |
|                                                            | Bengkulu            | 0.108  | 0.196  |
|                                                            | Lampung             | 0.074  | 0.176  |
|                                                            | Bangka Belitung     | -0.090 | 0.208  |
|                                                            | Kepulauan Riau      | 0.186  | 0.223  |
|                                                            | DKI Jakarta         | 0.002  | 0.218  |
|                                                            | Jawa Barat          | -0.137 | 0.144  |
|                                                            | Jawa Tengah         | 0.131  | 0.112  |
|                                                            | DI Yogyakarta       | -0.062 | 0.189  |
|                                                            | Jawa Timur          | 0.099  | 0.129  |
|                                                            | Banten              | -0.156 | 0.155  |
|                                                            | Bali                | -0.044 | 0.140  |
|                                                            | Nusa Tenggara Barat | -0.084 | 0.161  |
|                                                            | Nusa Tenggara Timur | 0.054  | 0.165  |
|                                                            | Kalimantan Barat    | -0.138 | 0.210  |
|                                                            | Kalimantan Tengah   | -0.047 | 0.208  |
|                                                            | Kalimantan Selatan  | 0.102  | 0.189  |

Aim 2 Supplementary Tables

| Cause group | Province            | Mean   | St Dev |
|-------------|---------------------|--------|--------|
| HIV/AIDS    | Kalimantan Timur    | -0.176 | 0.204  |
|             | Kalimantan Utara    | -0.021 | 0.224  |
|             | Sulawesi Utara      | -0.275 | 0.221  |
|             | Sulawesi Tengah     | 0.012  | 0.197  |
|             | Sulawesi Selatan    | 0.125  | 0.130  |
|             | Sulawesi Tenggara   | 0.018  | 0.222  |
|             | Gorontalo           | 0.183  | 0.179  |
|             | Sulawesi Barat      | -0.075 | 0.201  |
|             | Maluku              | 0.008  | 0.222  |
|             | Maluku Utara        | -0.051 | 0.222  |
|             | Papua Barat         | -0.006 | 0.227  |
|             | Papua               | -0.067 | 0.216  |
|             | Aceh                | -0.867 | 0.557  |
|             | Sumatera Utara      | -0.978 | 0.346  |
|             | Sumatera Barat      | -0.805 | 0.379  |
|             | Riau                | -0.975 | 0.412  |
|             | Jambi               | -0.563 | 0.456  |
|             | Sumatera Selatan    | -0.842 | 0.387  |
|             | Bengkulu            | -0.772 | 0.495  |
|             | Lampung             | -0.226 | 0.502  |
|             | Bangka Belitung     | -0.296 | 0.598  |
|             | Kepulauan Riau      | 0.283  | 0.607  |
|             | DKI Jakarta         | 0.186  | 0.492  |
|             | Jawa Barat          | 0.465  | 0.433  |
|             | Jawa Tengah         | 0.736  | 0.350  |
|             | DI Yogyakarta       | 0.553  | 0.634  |
|             | Jawa Timur          | 1.315  | 0.358  |
|             | Banten              | 0.497  | 0.373  |
|             | Bali                | 1.949  | 0.473  |
|             | Nusa Tenggara Barat | 0.481  | 0.447  |
|             | Nusa Tenggara Timur | 0.476  | 0.528  |
|             | Kalimantan Barat    | -0.007 | 0.584  |
|             | Kalimantan Tengah   | -0.275 | 0.638  |
|             | Kalimantan Selatan  | -0.197 | 0.583  |
|             | Kalimantan Timur    | -0.175 | 0.457  |
|             | Kalimantan Utara    | -0.167 | 0.673  |
|             | Sulawesi Utara      | -0.305 | 0.609  |
|             | Sulawesi Tengah     | 0.047  | 0.444  |
|             | Sulawesi Selatan    | -0.083 | 0.391  |
|             | Sulawesi Tenggara   | -0.008 | 0.489  |
|             | Gorontalo           | -0.501 | 0.445  |
|             | Sulawesi Barat      | -0.318 | 0.470  |
|             | Maluku              | 0.341  | 0.632  |
|             | Maluku Utara        | 0.078  | 0.597  |
|             | Papua Barat         | 0.440  | 0.815  |
|             | Papua               | 0.906  | 0.810  |
|             | Aceh                | 0.627  | 0.257  |
|             | Sumatera Utara      | -0.196 | 0.214  |
|             | Sumatera Barat      | -0.049 | 0.203  |
|             | Riau                | -0.044 | 0.223  |
|             | Jambi               | 0.072  | 0.238  |
|             | Sumatera Selatan    | -0.135 | 0.187  |
|             | Bengkulu            | -0.155 | 0.279  |
|             | Lampung             | 0.340  | 0.253  |
|             | Bangka Belitung     | -0.075 | 0.282  |
|             | Kepulauan Riau      | -0.176 | 0.292  |
|             | DKI Jakarta         | -0.037 | 0.303  |

Aim 2 Supplementary Tables

| Cause group                  | Province            | Mean   | St Dev |
|------------------------------|---------------------|--------|--------|
| Lower respiratory infections | Jawa Barat          | -0.216 | 0.235  |
|                              | Jawa Tengah         | -0.191 | 0.173  |
|                              | DI Yogyakarta       | -0.221 | 0.278  |
|                              | Jawa Timur          | 0.013  | 0.172  |
|                              | Banten              | -0.033 | 0.214  |
|                              | Bali                | 0.238  | 0.214  |
|                              | Nusa Tenggara Barat | 0.213  | 0.250  |
|                              | Nusa Tenggara Timur | -0.173 | 0.268  |
|                              | Kalimantan Barat    | 0.076  | 0.259  |
|                              | Kalimantan Tengah   | -0.120 | 0.289  |
|                              | Kalimantan Selatan  | 0.178  | 0.249  |
|                              | Kalimantan Timur    | 0.297  | 0.276  |
|                              | Kalimantan Utara    | -0.014 | 0.316  |
|                              | Sulawesi Utara      | -0.072 | 0.274  |
|                              | Sulawesi Tengah     | 0.272  | 0.270  |
|                              | Sulawesi Selatan    | 0.116  | 0.207  |
|                              | Sulawesi Tenggara   | -0.037 | 0.314  |
|                              | Gorontalo           | -0.188 | 0.225  |
|                              | Sulawesi Barat      | 0.033  | 0.256  |
|                              | Maluku              | -0.045 | 0.315  |
|                              | Maluku Utara        | -0.081 | 0.311  |
|                              | Papua Barat         | 0.000  | 0.322  |
|                              | Papua               | -0.148 | 0.299  |
| Malaria                      | Aceh                | -0.452 | 0.781  |
|                              | Sumatera Utara      | 0.934  | 0.318  |
|                              | Sumatera Barat      | -0.314 | 0.561  |
|                              | Riau                | -0.072 | 0.618  |
|                              | Jambi               | 0.849  | 0.566  |
|                              | Sumatera Selatan    | -0.217 | 0.519  |
|                              | Bengkulu            | 1.513  | 0.630  |
|                              | Lampung             | 0.270  | 0.617  |
|                              | Bangka Belitung     | 1.153  | 0.665  |
|                              | Kepulauan Riau      | 0.661  | 1.035  |
|                              | DKI Jakarta         | -1.555 | 0.954  |
|                              | Jawa Barat          | -1.919 | 0.495  |
|                              | Jawa Tengah         | -2.067 | 0.627  |
|                              | DI Yogyakarta       | -2.186 | 1.045  |
|                              | Jawa Timur          | -2.177 | 0.709  |
|                              | Banten              | -1.723 | 0.670  |
|                              | Bali                | -2.166 | 1.102  |
|                              | Nusa Tenggara Barat | -0.629 | 0.839  |
|                              | Nusa Tenggara Timur | 0.106  | 0.847  |
|                              | Kalimantan Barat    | 0.359  | 0.718  |
|                              | Kalimantan Tengah   | 0.656  | 0.711  |
|                              | Kalimantan Selatan  | 0.964  | 0.595  |
|                              | Kalimantan Timur    | 0.564  | 0.639  |
|                              | Kalimantan Utara    | 0.569  | 0.935  |
|                              | Sulawesi Utara      | 0.838  | 0.915  |
|                              | Sulawesi Tengah     | 0.799  | 0.658  |
|                              | Sulawesi Selatan    | 0.602  | 0.332  |
|                              | Sulawesi Tenggara   | 0.622  | 0.723  |
|                              | Gorontalo           | 1.025  | 0.415  |
|                              | Sulawesi Barat      | 0.247  | 0.640  |
|                              | Maluku              | 0.616  | 0.950  |
|                              | Maluku Utara        | 1.208  | 0.899  |
|                              | Papua Barat         | 0.924  | 1.257  |
|                              | Papua               | 0.990  | 1.214  |

Aim 2 Supplementary Tables

| Cause group        | Province            | Mean   | St Dev |
|--------------------|---------------------|--------|--------|
| Tuberculosis       | Aceh                | -0.021 | 0.214  |
|                    | Sumatera Utara      | -0.271 | 0.139  |
|                    | Sumatera Barat      | -0.352 | 0.132  |
|                    | Riau                | -0.027 | 0.201  |
|                    | Jambi               | 0.073  | 0.221  |
|                    | Sumatera Selatan    | 0.281  | 0.159  |
|                    | Bengkulu            | -0.009 | 0.267  |
|                    | Lampung             | -0.134 | 0.224  |
|                    | Bangka Belitung     | -0.249 | 0.288  |
|                    | Kepulauan Riau      | 0.064  | 0.268  |
|                    | DKI Jakarta         | 0.080  | 0.329  |
|                    | Jawa Barat          | 0.456  | 0.235  |
|                    | Jawa Tengah         | -0.002 | 0.172  |
|                    | DI Yogyakarta       | -0.705 | 0.273  |
|                    | Jawa Timur          | -0.105 | 0.099  |
|                    | Banten              | 0.410  | 0.259  |
|                    | Bali                | 0.001  | 0.367  |
|                    | Nusa Tenggara Barat | 0.138  | 0.141  |
|                    | Nusa Tenggara Timur | 0.242  | 0.228  |
|                    | Kalimantan Barat    | 0.194  | 0.239  |
|                    | Kalimantan Tengah   | 0.051  | 0.272  |
|                    | Kalimantan Selatan  | 0.229  | 0.226  |
|                    | Kalimantan Timur    | -0.533 | 0.246  |
|                    | Kalimantan Utara    | 0.382  | 0.366  |
|                    | Sulawesi Utara      | -0.232 | 0.247  |
|                    | Sulawesi Tengah     | -0.318 | 0.268  |
|                    | Sulawesi Selatan    | 0.071  | 0.199  |
|                    | Sulawesi Tenggara   | 0.087  | 0.338  |
|                    | Gorontalo           | 0.306  | 0.215  |
|                    | Sulawesi Barat      | -0.297 | 0.250  |
|                    | Maluku              | 0.083  | 0.332  |
|                    | Maluku Utara        | -0.122 | 0.349  |
|                    | Papua Barat         | 0.003  | 0.367  |
|                    | Papua               | 0.339  | 0.265  |
| Maternal disorders | Aceh                | -0.013 | 0.054  |
|                    | Sumatera Utara      | -0.015 | 0.051  |
|                    | Sumatera Barat      | -0.014 | 0.050  |
|                    | Riau                | -0.023 | 0.052  |
|                    | Jambi               | -0.011 | 0.050  |
|                    | Sumatera Selatan    | -0.018 | 0.049  |
|                    | Bengkulu            | -0.014 | 0.051  |
|                    | Lampung             | -0.009 | 0.048  |
|                    | Bangka Belitung     | -0.012 | 0.048  |
|                    | Kepulauan Riau      | -0.012 | 0.052  |
|                    | DKI Jakarta         | 0.010  | 0.054  |
|                    | Jawa Barat          | 0.011  | 0.051  |
|                    | Jawa Tengah         | 0.009  | 0.051  |
|                    | DI Yogyakarta       | 0.013  | 0.056  |
|                    | Jawa Timur          | 0.023  | 0.054  |
|                    | Banten              | 0.008  | 0.049  |
|                    | Bali                | 0.014  | 0.053  |
|                    | Nusa Tenggara Barat | 0.000  | 0.047  |
|                    | Nusa Tenggara Timur | 0.013  | 0.047  |
|                    | Kalimantan Barat    | -0.002 | 0.044  |
|                    | Kalimantan Tengah   | 0.001  | 0.047  |
|                    | Kalimantan Selatan  | 0.000  | 0.045  |
|                    | Kalimantan Timur    | 0.004  | 0.044  |

Aim 2 Supplementary Tables

| Cause group                                              | Province            | Mean   | St Dev |
|----------------------------------------------------------|---------------------|--------|--------|
|                                                          | Kalimantan Utara    | 0.000  | 0.047  |
|                                                          | Sulawesi Utara      | 0.002  | 0.048  |
|                                                          | Sulawesi Tengah     | 0.004  | 0.044  |
|                                                          | Sulawesi Selatan    | 0.004  | 0.044  |
|                                                          | Sulawesi Tenggara   | 0.004  | 0.044  |
|                                                          | Gorontalo           | -0.001 | 0.045  |
|                                                          | Sulawesi Barat      | 0.004  | 0.044  |
|                                                          | Maluku              | 0.005  | 0.048  |
|                                                          | Maluku Utara        | 0.004  | 0.047  |
|                                                          | Papua Barat         | 0.005  | 0.052  |
|                                                          | Papua               | 0.008  | 0.056  |
|                                                          | Aceh                | 0.040  | 0.132  |
|                                                          | Sumatera Utara      | 0.065  | 0.127  |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sumatera Barat      | 0.039  | 0.117  |
|                                                          | Riau                | 0.059  | 0.127  |
|                                                          | Jambi               | 0.030  | 0.123  |
|                                                          | Sumatera Selatan    | 0.011  | 0.108  |
|                                                          | Bengkulu            | 0.014  | 0.124  |
|                                                          | Lampung             | 0.044  | 0.125  |
|                                                          | Bangka Belitung     | 0.018  | 0.116  |
|                                                          | Kepulauan Riau      | 0.034  | 0.132  |
|                                                          | DKI Jakarta         | 0.002  | 0.124  |
|                                                          | Jawa Barat          | 0.007  | 0.101  |
|                                                          | Jawa Tengah         | 0.065  | 0.125  |
|                                                          | DI Yogyakarta       | -0.009 | 0.125  |
|                                                          | Jawa Timur          | -0.030 | 0.104  |
|                                                          | Banten              | -0.033 | 0.122  |
|                                                          | Bali                | 0.006  | 0.125  |
|                                                          | Nusa Tenggara Barat | -0.057 | 0.133  |
|                                                          | Nusa Tenggara Timur | -0.012 | 0.100  |
|                                                          | Kalimantan Barat    | -0.011 | 0.108  |
|                                                          | Kalimantan Tengah   | -0.013 | 0.117  |
|                                                          | Kalimantan Selatan  | 0.005  | 0.114  |
|                                                          | Kalimantan Timur    | -0.036 | 0.119  |
|                                                          | Kalimantan Utara    | -0.011 | 0.119  |
|                                                          | Sulawesi Utara      | -0.020 | 0.122  |
|                                                          | Sulawesi Tengah     | -0.028 | 0.113  |
|                                                          | Sulawesi Selatan    | -0.052 | 0.114  |
|                                                          | Sulawesi Tenggara   | -0.021 | 0.115  |
|                                                          | Gorontalo           | -0.022 | 0.119  |
|                                                          | Sulawesi Barat      | -0.027 | 0.112  |
|                                                          | Maluku              | -0.017 | 0.120  |
|                                                          | Maluku Utara        | -0.021 | 0.117  |
|                                                          | Papua Barat         | -0.016 | 0.129  |
|                                                          | Papua               | -0.002 | 0.136  |
|                                                          | Aceh                | 0.117  | 0.235  |
|                                                          | Sumatera Utara      | 0.096  | 0.185  |
|                                                          | Sumatera Barat      | -0.107 | 0.223  |
|                                                          | Riau                | -0.050 | 0.199  |
|                                                          | Jambi               | 0.012  | 0.236  |
|                                                          | Sumatera Selatan    | 0.039  | 0.191  |
|                                                          | Bengkulu            | 0.068  | 0.230  |
|                                                          | Lampung             | 0.027  | 0.228  |
|                                                          | Bangka Belitung     | 0.066  | 0.238  |
|                                                          | Kepulauan Riau      | -0.015 | 0.246  |
|                                                          | DKI Jakarta         | 0.002  | 0.245  |
|                                                          | Jawa Barat          | 0.039  | 0.187  |

Aim 2 Supplementary Tables

| Cause group                 | Province            | Mean   | St Dev |
|-----------------------------|---------------------|--------|--------|
| Preterm birth complications | Jawa Tengah         | -0.266 | 0.233  |
|                             | DI Yogyakarta       | 0.125  | 0.255  |
|                             | Jawa Timur          | 0.303  | 0.211  |
|                             | Banten              | 0.083  | 0.196  |
|                             | Bali                | 0.020  | 0.231  |
|                             | Nusa Tenggara Barat | 0.089  | 0.212  |
|                             | Nusa Tenggara Timur | -0.160 | 0.204  |
|                             | Kalimantan Barat    | 0.034  | 0.228  |
|                             | Kalimantan Tengah   | -0.023 | 0.240  |
|                             | Kalimantan Selatan  | -0.121 | 0.243  |
|                             | Kalimantan Timur    | -0.026 | 0.225  |
|                             | Kalimantan Utara    | -0.014 | 0.249  |
|                             | Sulawesi Utara      | -0.043 | 0.242  |
|                             | Sulawesi Tengah     | 0.070  | 0.250  |
|                             | Sulawesi Selatan    | -0.147 | 0.214  |
|                             | Sulawesi Tenggara   | -0.021 | 0.246  |
|                             | Gorontalo           | -0.018 | 0.248  |
|                             | Sulawesi Barat      | -0.028 | 0.235  |
|                             | Maluku              | -0.022 | 0.252  |
|                             | Maluku Utara        | -0.058 | 0.245  |
| Other neonatal disorders    | Papua Barat         | -0.023 | 0.258  |
|                             | Papua               | -0.028 | 0.260  |
|                             | Aceh                | -0.630 | 0.456  |
|                             | Sumatera Utara      | -0.333 | 0.315  |
|                             | Sumatera Barat      | -0.380 | 0.316  |
|                             | Riau                | -0.323 | 0.303  |
|                             | Jambi               | -0.275 | 0.357  |
|                             | Sumatera Selatan    | -0.205 | 0.311  |
|                             | Bengkulu            | -0.404 | 0.359  |
|                             | Lampung             | -0.251 | 0.389  |
|                             | Bangka Belitung     | -0.215 | 0.463  |
|                             | Kepulauan Riau      | -0.304 | 0.492  |
|                             | DKI Jakarta         | -0.280 | 0.521  |
|                             | Jawa Barat          | -0.283 | 0.396  |
|                             | Jawa Tengah         | -0.493 | 0.389  |
|                             | DI Yogyakarta       | -0.610 | 0.543  |
|                             | Jawa Timur          | -0.731 | 0.420  |
|                             | Banten              | -0.067 | 0.406  |
|                             | Bali                | -0.557 | 0.622  |
|                             | Nusa Tenggara Barat | 0.356  | 0.430  |
|                             | Nusa Tenggara Timur | 0.856  | 0.336  |
|                             | Kalimantan Barat    | 0.162  | 0.383  |
|                             | Kalimantan Tengah   | 0.083  | 0.455  |
|                             | Kalimantan Selatan  | 0.186  | 0.384  |
|                             | Kalimantan Timur    | 0.315  | 0.355  |
|                             | Kalimantan Utara    | 0.182  | 0.478  |
|                             | Sulawesi Utara      | 0.545  | 0.479  |
|                             | Sulawesi Tengah     | 0.394  | 0.341  |
|                             | Sulawesi Selatan    | 0.774  | 0.333  |
|                             | Sulawesi Tenggara   | 0.534  | 0.365  |
|                             | Gorontalo           | 0.541  | 0.421  |
|                             | Sulawesi Barat      | 0.479  | 0.356  |
|                             | Maluku              | 0.403  | 0.470  |
|                             | Maluku Utara        | 0.337  | 0.423  |
|                             | Papua Barat         | 0.261  | 0.611  |
|                             | Papua               | 0.040  | 0.717  |
|                             | Aceh                | -0.069 | 0.156  |



Aim 2 Supplementary Tables

| Cause group                                             | Province            | Mean   | St Dev |
|---------------------------------------------------------|---------------------|--------|--------|
| Communicable diseases other than resp maternal neonatal | Sumatera Utara      | 0.191  | 0.086  |
|                                                         | Sumatera Barat      | 0.135  | 0.109  |
|                                                         | Riau                | 0.015  | 0.125  |
|                                                         | Jambi               | 0.178  | 0.156  |
|                                                         | Sumatera Selatan    | -0.225 | 0.096  |
|                                                         | Bengkulu            | 0.072  | 0.168  |
|                                                         | Lampung             | 0.032  | 0.138  |
|                                                         | Bangka Belitung     | -0.156 | 0.178  |
|                                                         | Kepulauan Riau      | 0.116  | 0.173  |
|                                                         | DKI Jakarta         | 0.082  | 0.189  |
|                                                         | Jawa Barat          | -0.070 | 0.069  |
|                                                         | Jawa Tengah         | 0.046  | 0.088  |
|                                                         | DI Yogyakarta       | 0.109  | 0.154  |
|                                                         | Jawa Timur          | 0.094  | 0.099  |
|                                                         | Banten              | -0.150 | 0.146  |
|                                                         | Bali                | -0.222 | 0.142  |
|                                                         | Nusa Tenggara Barat | -0.314 | 0.119  |
|                                                         | Nusa Tenggara Timur | 0.052  | 0.133  |
|                                                         | Kalimantan Barat    | -0.033 | 0.169  |
|                                                         | Kalimantan Tengah   | 0.070  | 0.175  |
|                                                         | Kalimantan Selatan  | 0.141  | 0.161  |
|                                                         | Kalimantan Timur    | -0.145 | 0.169  |
|                                                         | Kalimantan Utara    | -0.019 | 0.200  |
|                                                         | Sulawesi Utara      | -0.167 | 0.169  |
|                                                         | Sulawesi Tengah     | 0.087  | 0.175  |
|                                                         | Sulawesi Selatan    | 0.151  | 0.084  |
|                                                         | Sulawesi Tenggara   | -0.003 | 0.202  |
|                                                         | Gorontalo           | 0.258  | 0.101  |
|                                                         | Sulawesi Barat      | -0.060 | 0.167  |
|                                                         | Maluku              | 0.108  | 0.208  |
|                                                         | Maluku Utara        | -0.028 | 0.201  |
|                                                         | Papua Barat         | -0.005 | 0.208  |
|                                                         | Papua               | -0.232 | 0.191  |
| Other communicable diseases                             | Aceh                | -0.208 | 0.192  |
|                                                         | Sumatera Utara      | -0.137 | 0.109  |
|                                                         | Sumatera Barat      | 0.257  | 0.165  |
|                                                         | Riau                | -0.005 | 0.157  |
|                                                         | Jambi               | 0.041  | 0.181  |
|                                                         | Sumatera Selatan    | -0.193 | 0.145  |
|                                                         | Bengkulu            | -0.140 | 0.206  |
|                                                         | Lampung             | 0.088  | 0.173  |
|                                                         | Bangka Belitung     | -0.167 | 0.214  |
|                                                         | Kepulauan Riau      | -0.003 | 0.228  |
|                                                         | DKI Jakarta         | 0.026  | 0.214  |
|                                                         | Jawa Barat          | 0.118  | 0.090  |
|                                                         | Jawa Tengah         | 0.083  | 0.112  |
|                                                         | DI Yogyakarta       | -0.120 | 0.194  |
|                                                         | Jawa Timur          | 0.161  | 0.125  |
|                                                         | Banten              | 0.081  | 0.176  |
|                                                         | Bali                | -0.073 | 0.167  |
|                                                         | Nusa Tenggara Barat | -0.140 | 0.142  |
|                                                         | Nusa Tenggara Timur | 0.150  | 0.165  |
|                                                         | Kalimantan Barat    | 0.146  | 0.202  |
|                                                         | Kalimantan Tengah   | 0.135  | 0.205  |
|                                                         | Kalimantan Selatan  | 0.013  | 0.194  |
|                                                         | Kalimantan Timur    | 0.000  | 0.191  |
|                                                         | Kalimantan Utara    | -0.001 | 0.222  |

Aim 2 Supplementary Tables

| Cause group              | Province            | Mean   | St Dev |
|--------------------------|---------------------|--------|--------|
| All respiratory diseases | Sulawesi Utara      | -0.110 | 0.194  |
|                          | Sulawesi Tengah     | 0.039  | 0.201  |
|                          | Sulawesi Selatan    | 0.335  | 0.108  |
|                          | Sulawesi Tenggara   | -0.013 | 0.226  |
|                          | Gorontalo           | -0.225 | 0.148  |
|                          | Sulawesi Barat      | 0.066  | 0.194  |
|                          | Maluku              | 0.110  | 0.231  |
|                          | Maluku Utara        | -0.042 | 0.225  |
|                          | Papua Barat         | -0.001 | 0.230  |
|                          | Papua               | -0.224 | 0.223  |
|                          | Aceh                | 0.153  | 0.123  |
|                          | Sumatera Utara      | -0.112 | 0.079  |
|                          | Sumatera Barat      | -0.043 | 0.117  |
|                          | Riau                | -0.008 | 0.112  |
|                          | Jambi               | 0.113  | 0.125  |
|                          | Sumatera Selatan    | 0.082  | 0.088  |
|                          | Bengkulu            | -0.021 | 0.143  |
|                          | Lampung             | 0.048  | 0.122  |
|                          | Bangka Belitung     | -0.192 | 0.157  |
|                          | Kepulauan Riau      | 0.120  | 0.145  |
|                          | DKI Jakarta         | 0.061  | 0.163  |
|                          | Jawa Barat          | 0.026  | 0.125  |
|                          | Jawa Tengah         | -0.141 | 0.086  |
|                          | DI Yogyakarta       | -0.263 | 0.142  |
|                          | Jawa Timur          | -0.139 | 0.055  |
|                          | Banten              | 0.192  | 0.135  |
|                          | Bali                | 0.045  | 0.105  |
|                          | Nusa Tenggara Barat | 0.038  | 0.084  |
|                          | Nusa Tenggara Timur | 0.197  | 0.131  |
|                          | Kalimantan Barat    | 0.155  | 0.145  |
|                          | Kalimantan Tengah   | -0.034 | 0.150  |
|                          | Kalimantan Selatan  | 0.062  | 0.138  |
|                          | Kalimantan Timur    | -0.187 | 0.126  |
|                          | Kalimantan Utara    | 0.086  | 0.175  |
|                          | Sulawesi Utara      | -0.194 | 0.140  |
|                          | Sulawesi Tengah     | -0.062 | 0.138  |
|                          | Sulawesi Selatan    | 0.118  | 0.105  |
|                          | Sulawesi Tenggara   | 0.009  | 0.170  |
|                          | Gorontalo           | 0.093  | 0.124  |
|                          | Sulawesi Barat      | -0.081 | 0.132  |
|                          | Maluku              | -0.018 | 0.170  |
|                          | Maluku Utara        | -0.066 | 0.173  |
|                          | Papua Barat         | -0.001 | 0.178  |
|                          | Papua               | -0.019 | 0.174  |
|                          | Aceh                | -0.035 | 0.097  |
|                          | Sumatera Utara      | 0.034  | 0.051  |
|                          | Sumatera Barat      | 0.081  | 0.065  |
|                          | Riau                | 0.088  | 0.086  |
|                          | Jambi               | -0.109 | 0.109  |
|                          | Sumatera Selatan    | 0.119  | 0.061  |
|                          | Bengkulu            | -0.027 | 0.117  |
|                          | Lampung             | 0.046  | 0.093  |
|                          | Bangka Belitung     | 0.137  | 0.116  |
|                          | Kepulauan Riau      | -0.062 | 0.120  |
|                          | DKI Jakarta         | -0.053 | 0.133  |
|                          | Jawa Barat          | -0.077 | 0.051  |
|                          | Jawa Tengah         | 0.130  | 0.056  |

Aim 2 Supplementary Tables

| Cause group                         | Province            | Mean   | St Dev |
|-------------------------------------|---------------------|--------|--------|
| Non-communicable diseases           | DI Yogyakarta       | -0.099 | 0.095  |
|                                     | Jawa Timur          | 0.190  | 0.045  |
|                                     | Banten              | 0.008  | 0.063  |
|                                     | Bali                | 0.004  | 0.080  |
|                                     | Nusa Tenggara Barat | 0.169  | 0.071  |
|                                     | Nusa Tenggara Timur | -0.096 | 0.075  |
|                                     | Kalimantan Barat    | -0.004 | 0.115  |
|                                     | Kalimantan Tengah   | -0.063 | 0.122  |
|                                     | Kalimantan Selatan  | -0.178 | 0.112  |
|                                     | Kalimantan Timur    | 0.223  | 0.108  |
|                                     | Kalimantan Utara    | -0.100 | 0.147  |
|                                     | Sulawesi Utara      | 0.088  | 0.106  |
|                                     | Sulawesi Tengah     | -0.085 | 0.119  |
|                                     | Sulawesi Selatan    | -0.239 | 0.054  |
|                                     | Sulawesi Tenggara   | 0.017  | 0.144  |
|                                     | Gorontalo           | -0.047 | 0.086  |
|                                     | Sulawesi Barat      | 0.113  | 0.118  |
|                                     | Maluku              | -0.038 | 0.145  |
|                                     | Maluku Utara        | 0.016  | 0.145  |
|                                     | Papua Barat         | -0.009 | 0.150  |
| Tracheal, bronchus, and lung cancer | Papua               | -0.154 | 0.126  |
|                                     | Aceh                | -0.089 | 0.359  |
|                                     | Sumatera Utara      | -0.033 | 0.288  |
|                                     | Sumatera Barat      | -0.012 | 0.292  |
|                                     | Riau                | 0.085  | 0.297  |
|                                     | Jambi               | -0.018 | 0.370  |
|                                     | Sumatera Selatan    | -0.351 | 0.271  |
|                                     | Bengkulu            | 0.275  | 0.379  |
|                                     | Lampung             | 0.203  | 0.362  |
|                                     | Bangka Belitung     | -0.213 | 0.410  |
|                                     | Kepulauan Riau      | 0.268  | 0.351  |
|                                     | DKI Jakarta         | -0.015 | 0.414  |
|                                     | Jawa Barat          | -0.577 | 0.327  |
|                                     | Jawa Tengah         | -0.429 | 0.201  |
|                                     | DI Yogyakarta       | 0.473  | 0.339  |
|                                     | Jawa Timur          | 0.322  | 0.170  |
|                                     | Banten              | 0.331  | 0.312  |
|                                     | Bali                | 0.419  | 0.274  |
|                                     | Nusa Tenggara Barat | -0.045 | 0.319  |
|                                     | Nusa Tenggara Timur | 0.003  | 0.372  |
|                                     | Kalimantan Barat    | 0.473  | 0.425  |
|                                     | Kalimantan Tengah   | -0.191 | 0.405  |
|                                     | Kalimantan Selatan  | 0.221  | 0.392  |
|                                     | Kalimantan Timur    | -0.100 | 0.359  |
|                                     | Kalimantan Utara    | -0.175 | 0.419  |
|                                     | Sulawesi Utara      | -0.285 | 0.374  |
|                                     | Sulawesi Tengah     | -0.083 | 0.412  |
|                                     | Sulawesi Selatan    | 0.126  | 0.287  |
|                                     | Sulawesi Tenggara   | -0.016 | 0.434  |
|                                     | Gorontalo           | -0.330 | 0.371  |
|                                     | Sulawesi Barat      | -0.102 | 0.417  |
|                                     | Maluku              | -0.008 | 0.437  |
|                                     | Maluku Utara        | -0.007 | 0.437  |
|                                     | Papua Barat         | -0.001 | 0.439  |
|                                     | Papua               | 0.093  | 0.420  |
|                                     | Aceh                | -0.145 | 0.264  |
|                                     | Sumatera Utara      | -0.252 | 0.158  |

Aim 2 Supplementary Tables

| Cause group     | Province            | Mean   | St Dev |
|-----------------|---------------------|--------|--------|
| Breast cancer   | Sumatera Barat      | 0.281  | 0.183  |
|                 | Riau                | 0.038  | 0.230  |
|                 | Jambi               | -0.208 | 0.298  |
|                 | Sumatera Selatan    | 0.007  | 0.167  |
|                 | Bengkulu            | -0.038 | 0.280  |
|                 | Lampung             | -0.227 | 0.284  |
|                 | Bangka Belitung     | -0.223 | 0.299  |
|                 | Kepulauan Riau      | -0.181 | 0.300  |
|                 | DKI Jakarta         | 0.058  | 0.291  |
|                 | Jawa Barat          | -0.312 | 0.124  |
|                 | Jawa Tengah         | 0.143  | 0.136  |
|                 | DI Yogyakarta       | -0.119 | 0.264  |
|                 | Jawa Timur          | 0.291  | 0.142  |
|                 | Banten              | 0.162  | 0.192  |
|                 | Bali                | 0.005  | 0.316  |
|                 | Nusa Tenggara Barat | 0.330  | 0.230  |
|                 | Nusa Tenggara Timur | 0.212  | 0.225  |
|                 | Kalimantan Barat    | -0.033 | 0.292  |
|                 | Kalimantan Tengah   | -0.030 | 0.293  |
|                 | Kalimantan Selatan  | -0.223 | 0.297  |
|                 | Kalimantan Timur    | 0.060  | 0.240  |
|                 | Kalimantan Utara    | -0.015 | 0.312  |
|                 | Sulawesi Utara      | 0.442  | 0.276  |
|                 | Sulawesi Tengah     | 0.048  | 0.277  |
|                 | Sulawesi Selatan    | 0.263  | 0.164  |
|                 | Sulawesi Tenggara   | -0.003 | 0.313  |
|                 | Gorontalo           | -0.213 | 0.197  |
|                 | Sulawesi Barat      | 0.057  | 0.283  |
|                 | Maluku              | -0.023 | 0.310  |
|                 | Maluku Utara        | -0.006 | 0.313  |
|                 | Papua Barat         | 0.007  | 0.316  |
|                 | Papua               | -0.006 | 0.292  |
| Cervical cancer | Aceh                | 0.001  | 0.422  |
|                 | Sumatera Utara      | 0.366  | 0.249  |
|                 | Sumatera Barat      | -0.070 | 0.336  |
|                 | Riau                | -0.238 | 0.386  |
|                 | Jambi               | 0.179  | 0.466  |
|                 | Sumatera Selatan    | -0.323 | 0.272  |
|                 | Bengkulu            | -0.378 | 0.532  |
|                 | Lampung             | -0.559 | 0.512  |
|                 | Bangka Belitung     | -0.216 | 0.481  |
|                 | Kepulauan Riau      | 0.120  | 0.486  |
|                 | DKI Jakarta         | -0.228 | 0.543  |
|                 | Jawa Barat          | 0.105  | 0.233  |
|                 | Jawa Tengah         | 0.024  | 0.244  |
|                 | DI Yogyakarta       | 0.012  | 0.432  |
|                 | Jawa Timur          | 0.225  | 0.188  |
|                 | Banten              | -0.194 | 0.321  |
|                 | Bali                | 0.740  | 0.327  |
|                 | Nusa Tenggara Barat | -0.980 | 0.428  |
|                 | Nusa Tenggara Timur | 0.273  | 0.323  |
|                 | Kalimantan Barat    | -0.179 | 0.514  |
|                 | Kalimantan Tengah   | -0.221 | 0.551  |
|                 | Kalimantan Selatan  | 0.003  | 0.458  |
|                 | Kalimantan Timur    | 0.284  | 0.373  |
|                 | Kalimantan Utara    | -0.070 | 0.592  |
|                 | Sulawesi Utara      | 1.449  | 0.532  |

Aim 2 Supplementary Tables

| Cause group               | Province            | Mean   | St Dev |
|---------------------------|---------------------|--------|--------|
|                           | Sulawesi Tengah     | 0.119  | 0.488  |
|                           | Sulawesi Selatan    | -0.569 | 0.277  |
|                           | Sulawesi Tenggara   | -0.024 | 0.600  |
|                           | Gorontalo           | -0.013 | 0.390  |
|                           | Sulawesi Barat      | 0.128  | 0.473  |
|                           | Maluku              | 0.212  | 0.598  |
|                           | Maluku Utara        | -0.014 | 0.604  |
|                           | Papua Barat         | 0.004  | 0.611  |
|                           | Papua               | 0.613  | 0.534  |
|                           | Aceh                | -0.259 | 0.213  |
|                           | Sumatera Utara      | -0.356 | 0.125  |
|                           | Sumatera Barat      | 0.099  | 0.135  |
|                           | Riau                | -0.016 | 0.189  |
|                           | Jambi               | -0.127 | 0.222  |
|                           | Sumatera Selatan    | 0.018  | 0.148  |
|                           | Bengkulu            | -0.036 | 0.235  |
|                           | Lampung             | -0.020 | 0.212  |
|                           | Bangka Belitung     | -0.028 | 0.223  |
|                           | Kepulauan Riau      | -0.129 | 0.240  |
|                           | DKI Jakarta         | 0.052  | 0.257  |
| Other malignant neoplasms | Jawa Barat          | -0.399 | 0.170  |
|                           | Jawa Tengah         | 0.086  | 0.123  |
|                           | DI Yogyakarta       | 0.084  | 0.196  |
|                           | Jawa Timur          | 0.333  | 0.099  |
|                           | Banten              | 0.109  | 0.164  |
|                           | Bali                | 0.006  | 0.280  |
|                           | Nusa Tenggara Barat | 0.286  | 0.152  |
|                           | Nusa Tenggara Timur | 0.546  | 0.168  |
|                           | Kalimantan Barat    | 0.007  | 0.230  |
|                           | Kalimantan Tengah   | -0.100 | 0.243  |
|                           | Kalimantan Selatan  | 0.067  | 0.217  |
|                           | Kalimantan Timur    | 0.076  | 0.200  |
|                           | Kalimantan Utara    | 0.064  | 0.268  |
|                           | Sulawesi Utara      | 0.270  | 0.205  |
|                           | Sulawesi Tengah     | -0.171 | 0.246  |
|                           | Sulawesi Selatan    | -0.105 | 0.156  |
|                           | Sulawesi Tenggara   | -0.016 | 0.275  |
|                           | Gorontalo           | -0.262 | 0.182  |
|                           | Sulawesi Barat      | 0.054  | 0.231  |
|                           | Maluku              | -0.016 | 0.274  |
|                           | Maluku Utara        | -0.020 | 0.276  |
|                           | Papua Barat         | 0.006  | 0.281  |
|                           | Papua               | -0.009 | 0.239  |
|                           | Aceh                | -0.276 | 0.207  |
|                           | Sumatera Utara      | -0.309 | 0.106  |
|                           | Sumatera Barat      | 0.179  | 0.129  |
|                           | Riau                | 0.003  | 0.170  |
|                           | Jambi               | -0.203 | 0.228  |
|                           | Sumatera Selatan    | -0.007 | 0.133  |
|                           | Bengkulu            | -0.149 | 0.245  |
|                           | Lampung             | -0.186 | 0.217  |
|                           | Bangka Belitung     | -0.205 | 0.232  |
|                           | Kepulauan Riau      | -0.198 | 0.251  |
|                           | DKI Jakarta         | 0.034  | 0.281  |
|                           | Jawa Barat          | -0.483 | 0.168  |
|                           | Jawa Tengah         | 0.090  | 0.113  |
|                           | DI Yogyakarta       | -0.030 | 0.194  |

Aim 2 Supplementary Tables

| Cause group             | Province            | Mean   | St Dev |
|-------------------------|---------------------|--------|--------|
| Neoplasms               | Jawa Timur          | 0.399  | 0.090  |
|                         | Banten              | 0.158  | 0.165  |
|                         | Bali                | 0.424  | 0.166  |
|                         | Nusa Tenggara Barat | 0.305  | 0.144  |
|                         | Nusa Tenggara Timur | 0.532  | 0.168  |
|                         | Kalimantan Barat    | -0.020 | 0.240  |
|                         | Kalimantan Tengah   | -0.212 | 0.257  |
|                         | Kalimantan Selatan  | -0.124 | 0.223  |
|                         | Kalimantan Timur    | 0.105  | 0.184  |
|                         | Kalimantan Utara    | 0.037  | 0.299  |
|                         | Sulawesi Utara      | 0.608  | 0.197  |
|                         | Sulawesi Tengah     | -0.136 | 0.242  |
|                         | Sulawesi Selatan    | -0.114 | 0.157  |
|                         | Sulawesi Tenggara   | -0.041 | 0.312  |
|                         | Gorontalo           | -0.250 | 0.182  |
|                         | Sulawesi Barat      | 0.106  | 0.232  |
|                         | Maluku              | 0.005  | 0.306  |
|                         | Maluku Utara        | -0.043 | 0.314  |
|                         | Papua Barat         | 0.010  | 0.322  |
|                         | Papua               | 0.111  | 0.252  |
| Cerebrovascular disease | Aceh                | 0.153  | 0.123  |
|                         | Sumatera Utara      | 0.028  | 0.102  |
|                         | Sumatera Barat      | -0.249 | 0.086  |
|                         | Riau                | 0.080  | 0.109  |
|                         | Jambi               | 0.066  | 0.124  |
|                         | Sumatera Selatan    | -0.237 | 0.085  |
|                         | Bengkulu            | 0.103  | 0.135  |
|                         | Lampung             | 0.050  | 0.112  |
|                         | Bangka Belitung     | 0.126  | 0.130  |
|                         | Kepulauan Riau      | -0.007 | 0.134  |
|                         | DKI Jakarta         | -0.023 | 0.156  |
|                         | Jawa Barat          | 0.119  | 0.112  |
|                         | Jawa Tengah         | 0.166  | 0.065  |
|                         | DI Yogyakarta       | 0.133  | 0.109  |
|                         | Jawa Timur          | 0.012  | 0.054  |
|                         | Banten              | -0.201 | 0.103  |
|                         | Bali                | -0.095 | 0.107  |
|                         | Nusa Tenggara Barat | -0.059 | 0.085  |
|                         | Nusa Tenggara Timur | -0.113 | 0.110  |
|                         | Kalimantan Barat    | -0.027 | 0.137  |
|                         | Kalimantan Tengah   | -0.074 | 0.145  |
|                         | Kalimantan Selatan  | 0.057  | 0.132  |
|                         | Kalimantan Timur    | 0.128  | 0.130  |
|                         | Kalimantan Utara    | -0.054 | 0.166  |
|                         | Sulawesi Utara      | -0.006 | 0.122  |
|                         | Sulawesi Tengah     | -0.012 | 0.140  |
|                         | Sulawesi Selatan    | -0.276 | 0.096  |
|                         | Sulawesi Tenggara   | -0.024 | 0.166  |
|                         | Gorontalo           | 0.165  | 0.113  |
|                         | Sulawesi Barat      | 0.127  | 0.139  |
|                         | Maluku              | -0.027 | 0.168  |
|                         | Maluku Utara        | -0.002 | 0.168  |
|                         | Papua Barat         | -0.004 | 0.173  |
|                         | Papua               | -0.004 | 0.167  |
|                         | Aceh                | -0.083 | 0.154  |
|                         | Sumatera Utara      | -0.169 | 0.127  |
|                         | Sumatera Barat      | 0.100  | 0.102  |

Aim 2 Supplementary Tables

| Cause group                                   | Province            | Mean   | St Dev |
|-----------------------------------------------|---------------------|--------|--------|
| Ischemic heart disease                        | Riau                | 0.154  | 0.131  |
|                                               | Jambi               | -0.256 | 0.169  |
|                                               | Sumatera Selatan    | 0.374  | 0.102  |
|                                               | Bengkulu            | -0.081 | 0.171  |
|                                               | Lampung             | -0.288 | 0.151  |
|                                               | Bangka Belitung     | 0.073  | 0.157  |
|                                               | Kepulauan Riau      | -0.006 | 0.164  |
|                                               | DKI Jakarta         | -0.090 | 0.203  |
|                                               | Jawa Barat          | 0.134  | 0.142  |
|                                               | Jawa Tengah         | -0.078 | 0.083  |
|                                               | DI Yogyakarta       | -0.309 | 0.147  |
|                                               | Jawa Timur          | 0.114  | 0.067  |
|                                               | Banten              | 0.237  | 0.126  |
|                                               | Bali                | 0.133  | 0.132  |
|                                               | Nusa Tenggara Barat | 0.037  | 0.106  |
|                                               | Nusa Tenggara Timur | -0.155 | 0.137  |
|                                               | Kalimantan Barat    | 0.104  | 0.171  |
|                                               | Kalimantan Tengah   | 0.254  | 0.186  |
|                                               | Kalimantan Selatan  | -0.206 | 0.172  |
|                                               | Kalimantan Timur    | 0.053  | 0.159  |
|                                               | Kalimantan Utara    | -0.065 | 0.213  |
|                                               | Sulawesi Utara      | -0.177 | 0.156  |
|                                               | Sulawesi Tengah     | 0.061  | 0.176  |
|                                               | Sulawesi Selatan    | 0.193  | 0.118  |
|                                               | Sulawesi Tenggara   | 0.014  | 0.215  |
|                                               | Gorontalo           | 0.004  | 0.144  |
|                                               | Sulawesi Barat      | 0.048  | 0.177  |
|                                               | Maluku              | 0.006  | 0.218  |
|                                               | Maluku Utara        | -0.039 | 0.220  |
|                                               | Papua Barat         | 0.000  | 0.225  |
|                                               | Papua               | -0.050 | 0.217  |
| Other cardiovascular and circulatory diseases | Aceh                | -0.355 | 0.254  |
|                                               | Sumatera Utara      | -0.439 | 0.149  |
|                                               | Sumatera Barat      | 0.203  | 0.146  |
|                                               | Riau                | 0.123  | 0.231  |
|                                               | Jambi               | 0.265  | 0.242  |
|                                               | Sumatera Selatan    | 0.331  | 0.171  |
|                                               | Bengkulu            | 0.024  | 0.275  |
|                                               | Lampung             | 0.082  | 0.237  |
|                                               | Bangka Belitung     | -0.054 | 0.268  |
|                                               | Kepulauan Riau      | -0.006 | 0.275  |
|                                               | DKI Jakarta         | -0.226 | 0.328  |
|                                               | Jawa Barat          | 0.031  | 0.273  |
|                                               | Jawa Tengah         | 0.145  | 0.139  |
|                                               | DI Yogyakarta       | 0.252  | 0.204  |
|                                               | Jawa Timur          | -0.137 | 0.106  |
|                                               | Banten              | -0.035 | 0.213  |
|                                               | Bali                | -0.206 | 0.207  |
|                                               | Nusa Tenggara Barat | -0.082 | 0.177  |
|                                               | Nusa Tenggara Timur | -0.340 | 0.259  |
|                                               | Kalimantan Barat    | 0.308  | 0.264  |
|                                               | Kalimantan Tengah   | 0.012  | 0.294  |
|                                               | Kalimantan Selatan  | 0.418  | 0.238  |
|                                               | Kalimantan Timur    | 0.364  | 0.221  |
|                                               | Kalimantan Utara    | -0.038 | 0.350  |
|                                               | Sulawesi Utara      | -0.051 | 0.251  |
|                                               | Sulawesi Tengah     | 0.274  | 0.283  |

Aim 2 Supplementary Tables

| Cause group       | Province            | Mean   | St Dev |
|-------------------|---------------------|--------|--------|
| Diabetes mellitus | Sulawesi Selatan    | -0.485 | 0.210  |
|                   | Sulawesi Tenggara   | -0.071 | 0.347  |
|                   | Gorontalo           | -0.687 | 0.233  |
|                   | Sulawesi Barat      | 0.161  | 0.281  |
|                   | Maluku              | 0.184  | 0.349  |
|                   | Maluku Utara        | -0.042 | 0.353  |
|                   | Papua Barat         | -0.001 | 0.361  |
|                   | Papua               | 0.208  | 0.303  |
|                   | Aceh                | -0.053 | 0.141  |
|                   | Sumatera Utara      | 0.241  | 0.098  |
|                   | Sumatera Barat      | -0.138 | 0.107  |
|                   | Riau                | -0.082 | 0.141  |
|                   | Jambi               | -0.082 | 0.153  |
|                   | Sumatera Selatan    | 0.030  | 0.116  |
|                   | Bengkulu            | 0.006  | 0.148  |
|                   | Lampung             | 0.026  | 0.132  |
|                   | Bangka Belitung     | 0.091  | 0.151  |
|                   | Kepulauan Riau      | -0.040 | 0.147  |
|                   | DKI Jakarta         | -0.025 | 0.156  |
|                   | Jawa Barat          | 0.178  | 0.153  |
|                   | Jawa Tengah         | -0.033 | 0.091  |
|                   | DI Yogyakarta       | -0.056 | 0.139  |
|                   | Jawa Timur          | 0.162  | 0.089  |
|                   | Banten              | 0.051  | 0.102  |
|                   | Bali                | 0.070  | 0.121  |
|                   | Nusa Tenggara Barat | 0.211  | 0.123  |
|                   | Nusa Tenggara Timur | -0.049 | 0.143  |
|                   | Kalimantan Barat    | -0.118 | 0.164  |
|                   | Kalimantan Tengah   | -0.139 | 0.163  |
|                   | Kalimantan Selatan  | -0.078 | 0.143  |
|                   | Kalimantan Timur    | 0.091  | 0.152  |
|                   | Kalimantan Utara    | -0.009 | 0.165  |
|                   | Sulawesi Utara      | -0.033 | 0.131  |
|                   | Sulawesi Tengah     | -0.016 | 0.149  |
|                   | Sulawesi Selatan    | -0.103 | 0.092  |
|                   | Sulawesi Tenggara   | 0.039  | 0.167  |
|                   | Gorontalo           | -0.031 | 0.127  |
|                   | Sulawesi Barat      | 0.062  | 0.154  |
|                   | Maluku              | -0.025 | 0.168  |
|                   | Maluku Utara        | -0.017 | 0.168  |
|                   | Papua Barat         | -0.006 | 0.170  |
|                   | Papua               | -0.097 | 0.164  |
|                   | Aceh                | -0.039 | 0.132  |
|                   | Sumatera Utara      | -0.130 | 0.095  |
|                   | Sumatera Barat      | 0.024  | 0.107  |
|                   | Riau                | 0.106  | 0.137  |
|                   | Jambi               | -0.067 | 0.140  |
|                   | Sumatera Selatan    | -0.086 | 0.112  |
|                   | Bengkulu            | -0.001 | 0.138  |
|                   | Lampung             | 0.028  | 0.131  |
|                   | Bangka Belitung     | 0.129  | 0.152  |
|                   | Kepulauan Riau      | -0.052 | 0.140  |
|                   | DKI Jakarta         | -0.004 | 0.147  |
|                   | Jawa Barat          | -0.060 | 0.138  |
|                   | Jawa Tengah         | 0.158  | 0.095  |
|                   | DI Yogyakarta       | 0.037  | 0.132  |
|                   | Jawa Timur          | 0.014  | 0.078  |



Aim 2 Supplementary Tables

| Cause group            | Province            | Mean   | St Dev |
|------------------------|---------------------|--------|--------|
| Chronic kidney disease | Banten              | -0.075 | 0.114  |
|                        | Bali                | -0.035 | 0.123  |
|                        | Nusa Tenggara Barat | -0.003 | 0.117  |
|                        | Nusa Tenggara Timur | 0.006  | 0.124  |
|                        | Kalimantan Barat    | -0.047 | 0.143  |
|                        | Kalimantan Tengah   | 0.011  | 0.140  |
|                        | Kalimantan Selatan  | -0.052 | 0.141  |
|                        | Kalimantan Timur    | 0.029  | 0.136  |
|                        | Kalimantan Utara    | -0.019 | 0.145  |
|                        | Sulawesi Utara      | 0.110  | 0.135  |
|                        | Sulawesi Tengah     | -0.001 | 0.140  |
|                        | Sulawesi Selatan    | -0.071 | 0.102  |
|                        | Sulawesi Tenggara   | 0.017  | 0.146  |
|                        | Gorontalo           | 0.133  | 0.127  |
|                        | Sulawesi Barat      | -0.017 | 0.140  |
|                        | Maluku              | -0.006 | 0.146  |
|                        | Maluku Utara        | -0.003 | 0.146  |
|                        | Papua Barat         | 0.002  | 0.148  |
|                        | Papua               | -0.015 | 0.145  |
| Cirrhosis              | Aceh                | -0.172 | 0.195  |
|                        | Sumatera Utara      | 0.063  | 0.110  |
|                        | Sumatera Barat      | 0.099  | 0.120  |
|                        | Riau                | 0.033  | 0.176  |
|                        | Jambi               | -0.145 | 0.206  |
|                        | Sumatera Selatan    | -0.336 | 0.128  |
|                        | Bengkulu            | -0.087 | 0.207  |
|                        | Lampung             | 0.040  | 0.173  |
|                        | Bangka Belitung     | -0.079 | 0.202  |
|                        | Kepulauan Riau      | 0.064  | 0.208  |
|                        | DKI Jakarta         | 0.037  | 0.222  |
|                        | Jawa Barat          | -0.021 | 0.091  |
|                        | Jawa Tengah         | 0.134  | 0.088  |
|                        | DI Yogyakarta       | -0.072 | 0.181  |
|                        | Jawa Timur          | 0.027  | 0.089  |
|                        | Banten              | 0.219  | 0.131  |
|                        | Bali                | 0.005  | 0.239  |
|                        | Nusa Tenggara Barat | 0.138  | 0.130  |
|                        | Nusa Tenggara Timur | 0.440  | 0.161  |
|                        | Kalimantan Barat    | -0.021 | 0.205  |
|                        | Kalimantan Tengah   | 0.103  | 0.212  |
|                        | Kalimantan Selatan  | 0.188  | 0.200  |
|                        | Kalimantan Timur    | -0.070 | 0.184  |
|                        | Kalimantan Utara    | 0.063  | 0.234  |
|                        | Sulawesi Utara      | -0.041 | 0.185  |
|                        | Sulawesi Tengah     | -0.066 | 0.210  |
|                        | Sulawesi Selatan    | 0.093  | 0.112  |
|                        | Sulawesi Tenggara   | 0.023  | 0.233  |
|                        | Gorontalo           | -0.110 | 0.127  |
|                        | Sulawesi Barat      | -0.280 | 0.242  |
|                        | Maluku              | -0.023 | 0.235  |
|                        | Maluku Utara        | 0.094  | 0.241  |
|                        | Papua Barat         | 0.000  | 0.239  |
|                        | Papua               | -0.255 | 0.233  |
|                        | Aceh                | 0.017  | 0.122  |
|                        | Sumatera Utara      | 0.073  | 0.084  |
|                        | Sumatera Barat      | 0.121  | 0.107  |
|                        | Riau                | 0.011  | 0.115  |

Aim 2 Supplementary Tables

| Cause group                                                 | Province            | Mean   | St Dev |
|-------------------------------------------------------------|---------------------|--------|--------|
| Chronic respiratory diseases                                | Jambi               | 0.116  | 0.132  |
|                                                             | Sumatera Selatan    | 0.066  | 0.094  |
|                                                             | Bengkulu            | -0.023 | 0.130  |
|                                                             | Lampung             | 0.009  | 0.117  |
|                                                             | Bangka Belitung     | -0.050 | 0.131  |
|                                                             | Kepulauan Riau      | 0.028  | 0.131  |
|                                                             | DKI Jakarta         | 0.042  | 0.135  |
|                                                             | Jawa Barat          | -0.168 | 0.112  |
|                                                             | Jawa Tengah         | 0.008  | 0.084  |
|                                                             | DI Yogyakarta       | 0.031  | 0.123  |
|                                                             | Jawa Timur          | -0.137 | 0.064  |
|                                                             | Banten              | 0.042  | 0.118  |
|                                                             | Bali                | 0.031  | 0.100  |
|                                                             | Nusa Tenggara Barat | 0.046  | 0.092  |
|                                                             | Nusa Tenggara Timur | 0.025  | 0.117  |
|                                                             | Kalimantan Barat    | -0.009 | 0.128  |
|                                                             | Kalimantan Tengah   | -0.015 | 0.131  |
|                                                             | Kalimantan Selatan  | -0.110 | 0.132  |
|                                                             | Kalimantan Timur    | -0.067 | 0.118  |
|                                                             | Kalimantan Utara    | -0.012 | 0.137  |
|                                                             | Sulawesi Utara      | -0.099 | 0.125  |
|                                                             | Sulawesi Tengah     | -0.045 | 0.125  |
|                                                             | Sulawesi Selatan    | 0.193  | 0.109  |
|                                                             | Sulawesi Tenggara   | -0.003 | 0.136  |
|                                                             | Gorontalo           | -0.066 | 0.109  |
|                                                             | Sulawesi Barat      | 0.047  | 0.126  |
|                                                             | Maluku              | -0.024 | 0.138  |
|                                                             | Maluku Utara        | -0.008 | 0.138  |
|                                                             | Papua Barat         | -0.007 | 0.140  |
|                                                             | Papua               | -0.050 | 0.141  |
| Other non-communicable diseases and cardiovascular disease: | Aceh                | 0.131  | 0.095  |
|                                                             | Sumatera Utara      | -0.027 | 0.048  |
|                                                             | Sumatera Barat      | -0.090 | 0.063  |
|                                                             | Riau                | 0.091  | 0.084  |
|                                                             | Jambi               | 0.019  | 0.104  |
|                                                             | Sumatera Selatan    | 0.183  | 0.064  |
|                                                             | Bengkulu            | -0.022 | 0.116  |
|                                                             | Lampung             | -0.003 | 0.096  |
|                                                             | Bangka Belitung     | 0.125  | 0.109  |
|                                                             | Kepulauan Riau      | -0.021 | 0.117  |
|                                                             | DKI Jakarta         | -0.032 | 0.134  |
|                                                             | Jawa Barat          | 0.278  | 0.080  |
|                                                             | Jawa Tengah         | 0.125  | 0.055  |
|                                                             | DI Yogyakarta       | 0.052  | 0.091  |
|                                                             | Jawa Timur          | 0.031  | 0.043  |
|                                                             | Banten              | -0.069 | 0.077  |
|                                                             | Bali                | -0.100 | 0.082  |
|                                                             | Nusa Tenggara Barat | -0.094 | 0.069  |
|                                                             | Nusa Tenggara Timur | -0.382 | 0.092  |
|                                                             | Kalimantan Barat    | 0.103  | 0.114  |
|                                                             | Kalimantan Tengah   | 0.016  | 0.119  |
|                                                             | Kalimantan Selatan  | -0.017 | 0.106  |
|                                                             | Kalimantan Timur    | 0.126  | 0.093  |
|                                                             | Kalimantan Utara    | -0.115 | 0.147  |
|                                                             | Sulawesi Utara      | -0.150 | 0.098  |
|                                                             | Sulawesi Tengah     | -0.014 | 0.116  |
|                                                             | Sulawesi Selatan    | -0.122 | 0.076  |

Aim 2 Supplementary Tables

| Cause group                     | Province            | Mean   | St Dev |
|---------------------------------|---------------------|--------|--------|
| Other non-communicable diseases | Sulawesi Tenggara   | -0.050 | 0.145  |
|                                 | Gorontalo           | 0.024  | 0.087  |
|                                 | Sulawesi Barat      | 0.060  | 0.114  |
|                                 | Maluku              | 0.010  | 0.149  |
|                                 | Maluku Utara        | -0.003 | 0.148  |
|                                 | Papua Barat         | -0.021 | 0.155  |
|                                 | Papua               | -0.038 | 0.125  |
|                                 | Aceh                | 0.118  | 0.121  |
|                                 | Sumatera Utara      | -0.020 | 0.065  |
|                                 | Sumatera Barat      | 0.002  | 0.082  |
|                                 | Riau                | 0.126  | 0.109  |
|                                 | Jambi               | 0.065  | 0.129  |
|                                 | Sumatera Selatan    | -0.175 | 0.087  |
|                                 | Bengkulu            | -0.104 | 0.144  |
|                                 | Lampung             | 0.094  | 0.119  |
|                                 | Bangka Belitung     | -0.017 | 0.133  |
|                                 | Kepulauan Riau      | -0.042 | 0.142  |
|                                 | DKI Jakarta         | -0.014 | 0.147  |
|                                 | Jawa Barat          | -0.006 | 0.093  |
|                                 | Jawa Tengah         | 0.063  | 0.067  |
|                                 | DI Yogyakarta       | 0.168  | 0.121  |
|                                 | Jawa Timur          | 0.072  | 0.057  |
|                                 | Banten              | -0.219 | 0.104  |
|                                 | Bali                | 0.058  | 0.102  |
|                                 | Nusa Tenggara Barat | 0.021  | 0.089  |
|                                 | Nusa Tenggara Timur | -0.324 | 0.122  |
|                                 | Kalimantan Barat    | 0.100  | 0.140  |
|                                 | Kalimantan Tengah   | -0.010 | 0.142  |
|                                 | Kalimantan Selatan  | -0.089 | 0.136  |
|                                 | Kalimantan Timur    | -0.008 | 0.121  |
|                                 | Kalimantan Utara    | -0.025 | 0.158  |
|                                 | Sulawesi Utara      | -0.031 | 0.125  |
|                                 | Sulawesi Tengah     | -0.047 | 0.140  |
|                                 | Sulawesi Selatan    | 0.077  | 0.092  |
|                                 | Sulawesi Tenggara   | -0.004 | 0.157  |
|                                 | Gorontalo           | 0.186  | 0.104  |
|                                 | Sulawesi Barat      | -0.031 | 0.135  |
|                                 | Maluku              | 0.010  | 0.158  |
|                                 | Maluku Utara        | 0.043  | 0.158  |
|                                 | Papua Barat         | -0.002 | 0.161  |
|                                 | Papua               | -0.005 | 0.140  |
|                                 | Aceh                | 0.000  | 0.176  |
|                                 | Sumatera Utara      | 0.168  | 0.098  |
|                                 | Sumatera Barat      | 0.167  | 0.136  |
|                                 | Riau                | 0.021  | 0.180  |
|                                 | Jambi               | 0.045  | 0.189  |
|                                 | Sumatera Selatan    | 0.017  | 0.138  |
|                                 | Bengkulu            | 0.117  | 0.217  |
|                                 | Lampung             | -0.190 | 0.174  |
|                                 | Bangka Belitung     | 0.154  | 0.202  |
|                                 | Kepulauan Riau      | -0.114 | 0.250  |
|                                 | DKI Jakarta         | 0.005  | 0.279  |
|                                 | Jawa Barat          | -0.466 | 0.117  |
|                                 | Jawa Tengah         | -0.322 | 0.135  |
|                                 | DI Yogyakarta       | 0.460  | 0.210  |
|                                 | Jawa Timur          | -0.319 | 0.126  |
|                                 | Banten              | -0.218 | 0.142  |

Aim 2 Supplementary Tables

| Cause group | Province            | Mean   | St Dev |
|-------------|---------------------|--------|--------|
| Injuries    | Bali                | -0.005 | 0.282  |
|             | Nusa Tenggara Barat | 0.055  | 0.158  |
|             | Nusa Tenggara Timur | -0.092 | 0.201  |
|             | Kalimantan Barat    | -0.071 | 0.216  |
|             | Kalimantan Tengah   | 0.110  | 0.216  |
|             | Kalimantan Selatan  | 0.059  | 0.208  |
|             | Kalimantan Timur    | -0.091 | 0.229  |
|             | Kalimantan Utara    | 0.029  | 0.262  |
|             | Sulawesi Utara      | 0.271  | 0.192  |
|             | Sulawesi Tengah     | -0.059 | 0.221  |
|             | Sulawesi Selatan    | 0.272  | 0.107  |
|             | Sulawesi Tenggara   | -0.036 | 0.273  |
|             | Gorontalo           | -0.391 | 0.164  |
|             | Sulawesi Barat      | 0.163  | 0.198  |
|             | Maluku              | -0.097 | 0.273  |
|             | Maluku Utara        | 0.239  | 0.284  |
|             | Papua Barat         | 0.005  | 0.282  |
|             | Papua               | 0.164  | 0.219  |
|             | Aceh                | -0.224 | 0.274  |
|             | Sumatera Utara      | -0.137 | 0.182  |
|             | Sumatera Barat      | -0.180 | 0.196  |
|             | Riau                | -0.073 | 0.205  |
|             | Jambi               | 0.007  | 0.219  |
|             | Sumatera Selatan    | -0.083 | 0.206  |
|             | Bengkulu            | -0.061 | 0.225  |
|             | Lampung             | -0.258 | 0.234  |
|             | Bangka Belitung     | 0.032  | 0.279  |
|             | Kepulauan Riau      | 0.018  | 0.298  |
|             | DKI Jakarta         | -0.459 | 0.279  |
|             | Jawa Barat          | -0.570 | 0.194  |
|             | Jawa Tengah         | -0.381 | 0.160  |
|             | DI Yogyakarta       | -0.527 | 0.288  |
|             | Jawa Timur          | -0.447 | 0.189  |
|             | Banten              | -0.536 | 0.246  |
| Drowning    | Bali                | -0.143 | 0.351  |
|             | Nusa Tenggara Barat | 0.162  | 0.286  |
|             | Nusa Tenggara Timur | 0.343  | 0.272  |
|             | Kalimantan Barat    | -0.001 | 0.248  |
|             | Kalimantan Tengah   | -0.026 | 0.284  |
|             | Kalimantan Selatan  | 0.027  | 0.249  |
|             | Kalimantan Timur    | 0.019  | 0.236  |
|             | Kalimantan Utara    | -0.007 | 0.296  |
|             | Sulawesi Utara      | 0.263  | 0.291  |
|             | Sulawesi Tengah     | 0.248  | 0.208  |
|             | Sulawesi Selatan    | 0.377  | 0.194  |
|             | Sulawesi Tenggara   | 0.313  | 0.223  |
|             | Gorontalo           | 0.281  | 0.212  |
|             | Sulawesi Barat      | 0.220  | 0.202  |
|             | Maluku              | 0.411  | 0.283  |
|             | Maluku Utara        | 0.334  | 0.267  |
|             | Papua Barat         | 0.465  | 0.352  |
|             | Papua               | 0.660  | 0.375  |
|             | Aceh                | 0.011  | 0.253  |
|             | Sumatera Utara      | 0.016  | 0.154  |
|             | Sumatera Barat      | 0.052  | 0.183  |
|             | Riau                | 0.020  | 0.241  |
|             | Jambi               | 0.015  | 0.260  |

Aim 2 Supplementary Tables

| Cause group            | Province            | Mean   | St Dev |
|------------------------|---------------------|--------|--------|
| Falls                  | Sumatera Selatan    | -0.336 | 0.247  |
|                        | Bengkulu            | -0.120 | 0.285  |
|                        | Lampung             | -0.111 | 0.253  |
|                        | Bangka Belitung     | -0.020 | 0.263  |
|                        | Kepulauan Riau      | -0.011 | 0.265  |
|                        | DKI Jakarta         | -0.034 | 0.295  |
|                        | Jawa Barat          | -0.163 | 0.128  |
|                        | Jawa Tengah         | 0.194  | 0.130  |
|                        | DI Yogyakarta       | 0.559  | 0.361  |
|                        | Jawa Timur          | -0.101 | 0.128  |
|                        | Banten              | 0.217  | 0.203  |
|                        | Bali                | 0.003  | 0.297  |
|                        | Nusa Tenggara Barat | 0.014  | 0.186  |
|                        | Nusa Tenggara Timur | 0.222  | 0.237  |
|                        | Kalimantan Barat    | -0.029 | 0.268  |
|                        | Kalimantan Tengah   | -0.069 | 0.281  |
|                        | Kalimantan Selatan  | -0.154 | 0.286  |
|                        | Kalimantan Timur    | 0.039  | 0.259  |
|                        | Kalimantan Utara    | 0.143  | 0.308  |
|                        | Sulawesi Utara      | -0.142 | 0.280  |
|                        | Sulawesi Tengah     | -0.097 | 0.285  |
|                        | Sulawesi Selatan    | 0.099  | 0.170  |
|                        | Sulawesi Tenggara   | -0.012 | 0.294  |
|                        | Gorontalo           | -0.179 | 0.214  |
|                        | Sulawesi Barat      | -0.002 | 0.265  |
|                        | Maluku              | -0.010 | 0.295  |
|                        | Maluku Utara        | 0.074  | 0.300  |
|                        | Papua Barat         | 0.000  | 0.297  |
|                        | Papua               | 0.035  | 0.291  |
| Interpersonal violence | Aceh                | -0.020 | 0.058  |
|                        | Sumatera Utara      | -0.032 | 0.059  |
|                        | Sumatera Barat      | -0.017 | 0.053  |
|                        | Riau                | -0.014 | 0.053  |
|                        | Jambi               | -0.015 | 0.052  |
|                        | Sumatera Selatan    | -0.006 | 0.051  |
|                        | Bengkulu            | -0.015 | 0.053  |
|                        | Lampung             | -0.011 | 0.051  |
|                        | Bangka Belitung     | -0.008 | 0.048  |
|                        | Kepulauan Riau      | -0.012 | 0.053  |
|                        | DKI Jakarta         | -0.005 | 0.055  |
|                        | Jawa Barat          | -0.004 | 0.052  |
|                        | Jawa Tengah         | -0.007 | 0.052  |
|                        | DI Yogyakarta       | -0.004 | 0.055  |
|                        | Jawa Timur          | -0.010 | 0.051  |
|                        | Banten              | -0.006 | 0.051  |
|                        | Bali                | 0.001  | 0.051  |
|                        | Nusa Tenggara Barat | 0.004  | 0.049  |
|                        | Nusa Tenggara Timur | 0.011  | 0.049  |
|                        | Kalimantan Barat    | 0.004  | 0.046  |
|                        | Kalimantan Tengah   | 0.008  | 0.049  |
|                        | Kalimantan Selatan  | 0.011  | 0.048  |
|                        | Kalimantan Timur    | 0.008  | 0.047  |
|                        | Kalimantan Utara    | 0.007  | 0.049  |
|                        | Sulawesi Utara      | 0.015  | 0.053  |
|                        | Sulawesi Tengah     | 0.014  | 0.048  |
|                        | Sulawesi Selatan    | 0.019  | 0.049  |
|                        | Sulawesi Tenggara   | 0.011  | 0.049  |

Aim 2 Supplementary Tables

| Cause group        | Province            | Mean   | St Dev |
|--------------------|---------------------|--------|--------|
| Self-harm          | Gorontalo           | 0.008  | 0.049  |
|                    | Sulawesi Barat      | 0.010  | 0.047  |
|                    | Maluku              | 0.012  | 0.052  |
|                    | Maluku Utara        | 0.014  | 0.051  |
|                    | Papua Barat         | 0.013  | 0.056  |
|                    | Papua               | 0.016  | 0.059  |
|                    | Aceh                | -0.007 | 0.045  |
|                    | Sumatera Utara      | -0.002 | 0.042  |
|                    | Sumatera Barat      | -0.002 | 0.041  |
|                    | Riau                | -0.001 | 0.042  |
|                    | Jambi               | -0.005 | 0.041  |
|                    | Sumatera Selatan    | -0.009 | 0.041  |
|                    | Bengkulu            | 0.000  | 0.042  |
|                    | Lampung             | -0.007 | 0.041  |
|                    | Bangka Belitung     | -0.003 | 0.041  |
|                    | Kepulauan Riau      | -0.003 | 0.043  |
|                    | DKI Jakarta         | -0.006 | 0.046  |
|                    | Jawa Barat          | -0.009 | 0.045  |
|                    | Jawa Tengah         | -0.003 | 0.044  |
|                    | DI Yogyakarta       | -0.003 | 0.046  |
|                    | Jawa Timur          | -0.002 | 0.044  |
|                    | Banten              | -0.009 | 0.044  |
|                    | Bali                | 0.000  | 0.044  |
|                    | Nusa Tenggara Barat | 0.003  | 0.041  |
|                    | Nusa Tenggara Timur | 0.001  | 0.041  |
|                    | Kalimantan Barat    | 0.001  | 0.039  |
|                    | Kalimantan Tengah   | 0.002  | 0.041  |
|                    | Kalimantan Selatan  | 0.002  | 0.040  |
|                    | Kalimantan Timur    | 0.003  | 0.039  |
|                    | Kalimantan Utara    | 0.002  | 0.041  |
|                    | Sulawesi Utara      | 0.005  | 0.043  |
|                    | Sulawesi Tengah     | 0.004  | 0.039  |
|                    | Sulawesi Selatan    | 0.011  | 0.040  |
|                    | Sulawesi Tenggara   | 0.005  | 0.040  |
|                    | Gorontalo           | 0.014  | 0.041  |
|                    | Sulawesi Barat      | 0.003  | 0.039  |
|                    | Maluku              | 0.004  | 0.042  |
|                    | Maluku Utara        | 0.005  | 0.041  |
|                    | Papua Barat         | 0.004  | 0.045  |
|                    | Papua               | 0.003  | 0.048  |
| Transport injuries | Aceh                | -0.160 | 0.214  |
|                    | Sumatera Utara      | 0.285  | 0.126  |
|                    | Sumatera Barat      | 0.336  | 0.155  |
|                    | Riau                | -0.112 | 0.206  |
|                    | Jambi               | 0.031  | 0.227  |
|                    | Sumatera Selatan    | 0.115  | 0.150  |
|                    | Bengkulu            | 0.025  | 0.262  |
|                    | Lampung             | -0.339 | 0.260  |
|                    | Bangka Belitung     | -0.016 | 0.238  |
|                    | Kepulauan Riau      | -0.182 | 0.272  |
|                    | DKI Jakarta         | 0.083  | 0.314  |
|                    | Jawa Barat          | -0.227 | 0.158  |
|                    | Jawa Tengah         | -0.185 | 0.183  |
|                    | DI Yogyakarta       | 0.449  | 0.247  |
|                    | Jawa Timur          | -0.112 | 0.204  |
|                    | Banten              | -0.250 | 0.185  |
|                    | Bali                | 0.000  | 0.323  |

Aim 2 Supplementary Tables

| Cause group                  | Province            | Mean   | St Dev |
|------------------------------|---------------------|--------|--------|
| Transport injuries           | Nusa Tenggara Barat | 0.213  | 0.220  |
|                              | Nusa Tenggara Timur | -0.106 | 0.226  |
|                              | Kalimantan Barat    | 0.019  | 0.256  |
|                              | Kalimantan Tengah   | -0.161 | 0.261  |
|                              | Kalimantan Selatan  | 0.160  | 0.244  |
|                              | Kalimantan Timur    | 0.014  | 0.231  |
|                              | Kalimantan Utara    | -0.060 | 0.303  |
|                              | Sulawesi Utara      | 0.453  | 0.225  |
|                              | Sulawesi Tengah     | 0.003  | 0.263  |
|                              | Sulawesi Selatan    | 0.111  | 0.180  |
|                              | Sulawesi Tenggara   | -0.030 | 0.315  |
|                              | Gorontalo           | -0.527 | 0.221  |
|                              | Sulawesi Barat      | 0.319  | 0.251  |
|                              | Maluku              | -0.058 | 0.314  |
|                              | Maluku Utara        | 0.073  | 0.318  |
|                              | Papua Barat         | 0.001  | 0.323  |
|                              | Papua               | -0.074 | 0.262  |
| Other unintentional injuries | Aceh                | 0.009  | 0.045  |
|                              | Sumatera Utara      | -0.005 | 0.042  |
|                              | Sumatera Barat      | 0.004  | 0.041  |
|                              | Riau                | 0.004  | 0.042  |
|                              | Jambi               | -0.003 | 0.042  |
|                              | Sumatera Selatan    | -0.007 | 0.041  |
|                              | Bengkulu            | 0.000  | 0.042  |
|                              | Lampung             | 0.003  | 0.041  |
|                              | Bangka Belitung     | 0.007  | 0.042  |
|                              | Kepulauan Riau      | 0.003  | 0.043  |
|                              | DKI Jakarta         | 0.001  | 0.046  |
|                              | Jawa Barat          | -0.001 | 0.043  |
|                              | Jawa Tengah         | 0.006  | 0.043  |
|                              | DI Yogyakarta       | 0.005  | 0.046  |
|                              | Jawa Timur          | -0.004 | 0.043  |
|                              | Banten              | 0.000  | 0.043  |
|                              | Bali                | 0.001  | 0.044  |
|                              | Nusa Tenggara Barat | 0.006  | 0.041  |
|                              | Nusa Tenggara Timur | -0.006 | 0.041  |
|                              | Kalimantan Barat    | -0.001 | 0.040  |
|                              | Kalimantan Tengah   | 0.005  | 0.042  |
|                              | Kalimantan Selatan  | -0.001 | 0.040  |
|                              | Kalimantan Timur    | -0.001 | 0.040  |
|                              | Kalimantan Utara    | -0.001 | 0.042  |
|                              | Sulawesi Utara      | -0.009 | 0.043  |
|                              | Sulawesi Tengah     | -0.005 | 0.040  |
|                              | Sulawesi Selatan    | 0.004  | 0.039  |
|                              | Sulawesi Tenggara   | -0.002 | 0.040  |
|                              | Gorontalo           | 0.000  | 0.040  |
|                              | Sulawesi Barat      | -0.003 | 0.039  |
|                              | Maluku              | -0.002 | 0.042  |
|                              | Maluku Utara        | -0.001 | 0.042  |
|                              | Papua Barat         | -0.002 | 0.045  |
|                              | Papua               | -0.003 | 0.048  |

**Supplementary Table 4b. Unstructured spatial residual estimated in each cause-specific ICAR model.**

| Cause group                                                | Province            | Mean   | St Dev |
|------------------------------------------------------------|---------------------|--------|--------|
| Communicable, maternal, neonatal, and nutritional diseases | Aceh                | -0.016 | 0.039  |
|                                                            | Sumatera Utara      | -0.017 | 0.037  |
|                                                            | Sumatera Barat      | -0.016 | 0.035  |
|                                                            | Riau                | -0.017 | 0.035  |
|                                                            | Jambi               | -0.015 | 0.033  |
|                                                            | Sumatera Selatan    | -0.016 | 0.034  |
|                                                            | Bengkulu            | -0.016 | 0.035  |
|                                                            | Lampung             | -0.013 | 0.031  |
|                                                            | Bangka Belitung     | -0.013 | 0.033  |
|                                                            | Kepulauan Riau      | -0.014 | 0.035  |
|                                                            | DKI Jakarta         | 0.003  | 0.036  |
|                                                            | Jawa Barat          | 0.003  | 0.033  |
|                                                            | Jawa Tengah         | 0.003  | 0.033  |
|                                                            | DI Yogyakarta       | 0.004  | 0.037  |
|                                                            | Jawa Timur          | 0.005  | 0.033  |
|                                                            | Banten              | -0.002 | 0.031  |
|                                                            | Bali                | 0.007  | 0.035  |
|                                                            | Nusa Tenggara Barat | 0.010  | 0.031  |
|                                                            | Nusa Tenggara Timur | 0.013  | 0.032  |
|                                                            | Kalimantan Barat    | 0.000  | 0.026  |
|                                                            | Kalimantan Tengah   | 0.002  | 0.029  |
|                                                            | Kalimantan Selatan  | 0.005  | 0.027  |
|                                                            | Kalimantan Timur    | 0.003  | 0.025  |
|                                                            | Kalimantan Utara    | 0.003  | 0.029  |
|                                                            | Sulawesi Utara      | 0.006  | 0.031  |
|                                                            | Sulawesi Tengah     | 0.008  | 0.026  |
|                                                            | Sulawesi Selatan    | 0.010  | 0.027  |
|                                                            | Sulawesi Tenggara   | 0.010  | 0.027  |
|                                                            | Gorontalo           | 0.010  | 0.029  |
|                                                            | Sulawesi Barat      | 0.006  | 0.025  |
|                                                            | Maluku              | 0.012  | 0.033  |
|                                                            | Maluku Utara        | 0.008  | 0.030  |
|                                                            | Papua Barat         | 0.012  | 0.038  |
|                                                            | Papua               | 0.014  | 0.043  |
| Diarrheal diseases                                         | Aceh                | 0.009  | 0.034  |
|                                                            | Sumatera Utara      | 0.010  | 0.032  |
|                                                            | Sumatera Barat      | 0.008  | 0.028  |
|                                                            | Riau                | 0.009  | 0.029  |
|                                                            | Jambi               | 0.009  | 0.029  |
|                                                            | Sumatera Selatan    | 0.007  | 0.027  |
|                                                            | Bengkulu            | 0.009  | 0.029  |
|                                                            | Lampung             | 0.007  | 0.027  |
|                                                            | Bangka Belitung     | 0.003  | 0.026  |
|                                                            | Kepulauan Riau      | 0.009  | 0.031  |
|                                                            | DKI Jakarta         | 0.001  | 0.034  |
|                                                            | Jawa Barat          | 0.000  | 0.031  |
|                                                            | Jawa Tengah         | 0.001  | 0.031  |
|                                                            | DI Yogyakarta       | 0.000  | 0.034  |
|                                                            | Jawa Timur          | 0.000  | 0.031  |
|                                                            | Banten              | 0.001  | 0.029  |
|                                                            | Bali                | -0.003 | 0.031  |
|                                                            | Nusa Tenggara Barat | -0.004 | 0.027  |
|                                                            | Nusa Tenggara Timur | -0.004 | 0.026  |
|                                                            | Kalimantan Barat    | -0.004 | 0.024  |
|                                                            | Kalimantan Tengah   | -0.004 | 0.027  |
|                                                            | Kalimantan Selatan  | -0.004 | 0.025  |



Aim 2 Supplementary Tables

| Cause group | Province            | Mean   | St Dev |
|-------------|---------------------|--------|--------|
| HIV/AIDS    | Kalimantan Timur    | -0.005 | 0.024  |
|             | Kalimantan Utara    | -0.004 | 0.027  |
|             | Sulawesi Utara      | -0.007 | 0.030  |
|             | Sulawesi Tengah     | -0.005 | 0.023  |
|             | Sulawesi Selatan    | -0.004 | 0.023  |
|             | Sulawesi Tenggara   | -0.004 | 0.024  |
|             | Gorontalo           | -0.004 | 0.025  |
|             | Sulawesi Barat      | -0.005 | 0.023  |
|             | Maluku              | -0.005 | 0.028  |
|             | Maluku Utara        | -0.006 | 0.027  |
|             | Papua Barat         | -0.006 | 0.033  |
|             | Papua               | -0.006 | 0.037  |
|             | Aceh                | -0.867 | 0.557  |
|             | Sumatera Utara      | -0.978 | 0.346  |
|             | Sumatera Barat      | -0.804 | 0.378  |
|             | Riau                | -0.973 | 0.411  |
|             | Jambi               | -0.564 | 0.455  |
|             | Sumatera Selatan    | -0.841 | 0.387  |
|             | Bengkulu            | -0.772 | 0.494  |
|             | Lampung             | -0.228 | 0.501  |
|             | Bangka Belitung     | -0.296 | 0.597  |
|             | Kepulauan Riau      | 0.281  | 0.607  |
|             | DKI Jakarta         | 0.187  | 0.491  |
|             | Jawa Barat          | 0.466  | 0.433  |
|             | Jawa Tengah         | 0.736  | 0.351  |
|             | DI Yogyakarta       | 0.554  | 0.634  |
|             | Jawa Timur          | 1.313  | 0.359  |
|             | Banten              | 0.496  | 0.373  |
|             | Bali                | 1.947  | 0.473  |
|             | Nusa Tenggara Barat | 0.481  | 0.448  |
|             | Nusa Tenggara Timur | 0.475  | 0.527  |
|             | Kalimantan Barat    | -0.008 | 0.584  |
|             | Kalimantan Tengah   | -0.275 | 0.637  |
|             | Kalimantan Selatan  | -0.197 | 0.582  |
|             | Kalimantan Timur    | -0.175 | 0.456  |
|             | Kalimantan Utara    | -0.167 | 0.673  |
|             | Sulawesi Utara      | -0.304 | 0.608  |
|             | Sulawesi Tengah     | 0.046  | 0.443  |
|             | Sulawesi Selatan    | -0.082 | 0.390  |
|             | Sulawesi Tenggara   | -0.008 | 0.488  |
|             | Gorontalo           | -0.499 | 0.445  |
|             | Sulawesi Barat      | -0.318 | 0.469  |
|             | Maluku              | 0.341  | 0.631  |
|             | Maluku Utara        | 0.078  | 0.596  |
|             | Papua Barat         | 0.440  | 0.814  |
|             | Papua               | 0.905  | 0.810  |
|             | Aceh                | 0.003  | 0.032  |
|             | Sumatera Utara      | 0.000  | 0.029  |
|             | Sumatera Barat      | 0.000  | 0.027  |
|             | Riau                | 0.000  | 0.027  |
|             | Jambi               | 0.000  | 0.026  |
|             | Sumatera Selatan    | 0.000  | 0.026  |
|             | Bengkulu            | 0.000  | 0.027  |
|             | Lampung             | 0.000  | 0.026  |
|             | Bangka Belitung     | 0.000  | 0.025  |
|             | Kepulauan Riau      | 0.000  | 0.029  |
|             | DKI Jakarta         | -0.005 | 0.033  |

Aim 2 Supplementary Tables

| Cause group                  | Province            | Mean   | St Dev |
|------------------------------|---------------------|--------|--------|
| Lower respiratory infections | Jawa Barat          | -0.005 | 0.031  |
|                              | Jawa Tengah         | -0.005 | 0.031  |
|                              | DI Yogyakarta       | -0.006 | 0.034  |
|                              | Jawa Timur          | -0.004 | 0.030  |
|                              | Banten              | -0.004 | 0.029  |
|                              | Bali                | 0.001  | 0.030  |
|                              | Nusa Tenggara Barat | 0.002  | 0.026  |
|                              | Nusa Tenggara Timur | 0.001  | 0.025  |
|                              | Kalimantan Barat    | 0.002  | 0.023  |
|                              | Kalimantan Tengah   | 0.002  | 0.026  |
|                              | Kalimantan Selatan  | 0.003  | 0.024  |
|                              | Kalimantan Timur    | 0.003  | 0.023  |
|                              | Kalimantan Utara    | 0.002  | 0.026  |
|                              | Sulawesi Utara      | 0.001  | 0.028  |
|                              | Sulawesi Tengah     | 0.002  | 0.023  |
|                              | Sulawesi Selatan    | 0.002  | 0.023  |
|                              | Sulawesi Tenggara   | 0.001  | 0.023  |
|                              | Gorontalo           | 0.001  | 0.024  |
|                              | Sulawesi Barat      | 0.002  | 0.022  |
|                              | Maluku              | 0.000  | 0.027  |
|                              | Maluku Utara        | 0.001  | 0.026  |
|                              | Papua Barat         | 0.000  | 0.032  |
|                              | Papua               | -0.001 | 0.036  |
| Malaria                      | Aceh                | -0.452 | 0.781  |
|                              | Sumatera Utara      | 0.932  | 0.319  |
|                              | Sumatera Barat      | -0.312 | 0.561  |
|                              | Riau                | -0.071 | 0.618  |
|                              | Jambi               | 0.848  | 0.566  |
|                              | Sumatera Selatan    | -0.215 | 0.520  |
|                              | Bengkulu            | 1.510  | 0.630  |
|                              | Lampung             | 0.269  | 0.617  |
|                              | Bangka Belitung     | 1.151  | 0.665  |
|                              | Kepulauan Riau      | 0.661  | 1.034  |
|                              | DKI Jakarta         | -1.555 | 0.953  |
|                              | Jawa Barat          | -1.920 | 0.496  |
|                              | Jawa Tengah         | -2.067 | 0.627  |
|                              | DI Yogyakarta       | -2.186 | 1.045  |
|                              | Jawa Timur          | -2.177 | 0.709  |
|                              | Banten              | -1.722 | 0.670  |
|                              | Bali                | -2.165 | 1.102  |
|                              | Nusa Tenggara Barat | -0.629 | 0.839  |
|                              | Nusa Tenggara Timur | 0.106  | 0.847  |
|                              | Kalimantan Barat    | 0.360  | 0.718  |
|                              | Kalimantan Tengah   | 0.656  | 0.711  |
|                              | Kalimantan Selatan  | 0.963  | 0.595  |
|                              | Kalimantan Timur    | 0.563  | 0.638  |
|                              | Kalimantan Utara    | 0.569  | 0.935  |
|                              | Sulawesi Utara      | 0.838  | 0.915  |
|                              | Sulawesi Tengah     | 0.799  | 0.657  |
|                              | Sulawesi Selatan    | 0.601  | 0.333  |
|                              | Sulawesi Tenggara   | 0.622  | 0.722  |
|                              | Gorontalo           | 1.024  | 0.416  |
|                              | Sulawesi Barat      | 0.249  | 0.640  |
|                              | Maluku              | 0.616  | 0.950  |
|                              | Maluku Utara        | 1.208  | 0.898  |
|                              | Papua Barat         | 0.924  | 1.256  |
|                              | Papua               | 0.990  | 1.214  |

Aim 2 Supplementary Tables

| Cause group        | Province            | Mean   | St Dev |
|--------------------|---------------------|--------|--------|
| Tuberculosis       | Aceh                | -0.003 | 0.031  |
|                    | Sumatera Utara      | -0.004 | 0.028  |
|                    | Sumatera Barat      | -0.003 | 0.027  |
|                    | Riau                | -0.003 | 0.027  |
|                    | Jambi               | -0.003 | 0.026  |
|                    | Sumatera Selatan    | -0.002 | 0.025  |
|                    | Bengkulu            | -0.003 | 0.027  |
|                    | Lampung             | -0.003 | 0.025  |
|                    | Bangka Belitung     | -0.002 | 0.025  |
|                    | Kepulauan Riau      | -0.002 | 0.028  |
|                    | DKI Jakarta         | 0.000  | 0.033  |
|                    | Jawa Barat          | 0.000  | 0.030  |
|                    | Jawa Tengah         | -0.001 | 0.030  |
|                    | DI Yogyakarta       | -0.003 | 0.033  |
|                    | Jawa Timur          | -0.001 | 0.029  |
|                    | Banten              | 0.000  | 0.028  |
|                    | Bali                | 0.001  | 0.030  |
|                    | Nusa Tenggara Barat | 0.002  | 0.026  |
|                    | Nusa Tenggara Timur | 0.003  | 0.025  |
|                    | Kalimantan Barat    | 0.001  | 0.023  |
|                    | Kalimantan Tengah   | 0.001  | 0.026  |
|                    | Kalimantan Selatan  | 0.001  | 0.024  |
|                    | Kalimantan Timur    | 0.000  | 0.022  |
|                    | Kalimantan Utara    | 0.002  | 0.026  |
|                    | Sulawesi Utara      | 0.001  | 0.028  |
|                    | Sulawesi Tengah     | 0.001  | 0.022  |
|                    | Sulawesi Selatan    | 0.002  | 0.022  |
|                    | Sulawesi Tenggara   | 0.002  | 0.023  |
|                    | Gorontalo           | 0.002  | 0.024  |
|                    | Sulawesi Barat      | 0.001  | 0.022  |
|                    | Maluku              | 0.003  | 0.027  |
|                    | Maluku Utara        | 0.002  | 0.026  |
|                    | Papua Barat         | 0.003  | 0.032  |
|                    | Papua               | 0.005  | 0.035  |
| Maternal disorders | Aceh                | -0.013 | 0.042  |
|                    | Sumatera Utara      | -0.014 | 0.039  |
|                    | Sumatera Barat      | -0.013 | 0.037  |
|                    | Riau                | -0.014 | 0.038  |
|                    | Jambi               | -0.012 | 0.036  |
|                    | Sumatera Selatan    | -0.013 | 0.036  |
|                    | Bengkulu            | -0.013 | 0.037  |
|                    | Lampung             | -0.009 | 0.033  |
|                    | Bangka Belitung     | -0.010 | 0.033  |
|                    | Kepulauan Riau      | -0.012 | 0.039  |
|                    | DKI Jakarta         | 0.009  | 0.041  |
|                    | Jawa Barat          | 0.010  | 0.039  |
|                    | Jawa Tengah         | 0.010  | 0.039  |
|                    | DI Yogyakarta       | 0.012  | 0.043  |
|                    | Jawa Timur          | 0.014  | 0.041  |
|                    | Banten              | 0.006  | 0.035  |
|                    | Bali                | 0.011  | 0.040  |
|                    | Nusa Tenggara Barat | 0.005  | 0.032  |
|                    | Nusa Tenggara Timur | 0.007  | 0.032  |
|                    | Kalimantan Barat    | -0.002 | 0.028  |
|                    | Kalimantan Tengah   | 0.000  | 0.031  |
|                    | Kalimantan Selatan  | 0.000  | 0.029  |
|                    | Kalimantan Timur    | 0.001  | 0.027  |

Aim 2 Supplementary Tables

| Cause group                                              | Province            | Mean   | St Dev |
|----------------------------------------------------------|---------------------|--------|--------|
|                                                          | Kalimantan Utara    | 0.000  | 0.031  |
|                                                          | Sulawesi Utara      | 0.003  | 0.034  |
|                                                          | Sulawesi Tengah     | 0.003  | 0.027  |
|                                                          | Sulawesi Selatan    | 0.004  | 0.027  |
|                                                          | Sulawesi Tenggara   | 0.004  | 0.028  |
|                                                          | Gorontalo           | 0.002  | 0.029  |
|                                                          | Sulawesi Barat      | 0.003  | 0.027  |
|                                                          | Maluku              | 0.005  | 0.033  |
|                                                          | Maluku Utara        | 0.004  | 0.031  |
|                                                          | Papua Barat         | 0.005  | 0.039  |
|                                                          | Papua               | 0.006  | 0.044  |
|                                                          | Aceh                | 0.034  | 0.098  |
|                                                          | Sumatera Utara      | 0.037  | 0.094  |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sumatera Barat      | 0.030  | 0.081  |
|                                                          | Riau                | 0.033  | 0.087  |
|                                                          | Jambi               | 0.029  | 0.080  |
|                                                          | Sumatera Selatan    | 0.023  | 0.067  |
|                                                          | Bengkulu            | 0.027  | 0.077  |
|                                                          | Lampung             | 0.026  | 0.076  |
|                                                          | Bangka Belitung     | 0.015  | 0.069  |
|                                                          | Kepulauan Riau      | 0.027  | 0.088  |
|                                                          | DKI Jakarta         | 0.007  | 0.079  |
|                                                          | Jawa Barat          | 0.005  | 0.068  |
|                                                          | Jawa Tengah         | 0.015  | 0.072  |
|                                                          | DI Yogyakarta       | 0.001  | 0.079  |
|                                                          | Jawa Timur          | -0.007 | 0.069  |
|                                                          | Banten              | 0.002  | 0.066  |
|                                                          | Bali                | -0.009 | 0.078  |
|                                                          | Nusa Tenggara Barat | -0.029 | 0.088  |
|                                                          | Nusa Tenggara Timur | -0.018 | 0.062  |
|                                                          | Kalimantan Barat    | -0.007 | 0.059  |
|                                                          | Kalimantan Tengah   | -0.011 | 0.068  |
|                                                          | Kalimantan Selatan  | -0.010 | 0.060  |
|                                                          | Kalimantan Timur    | -0.016 | 0.063  |
|                                                          | Kalimantan Utara    | -0.011 | 0.069  |
|                                                          | Sulawesi Utara      | -0.020 | 0.077  |
|                                                          | Sulawesi Tengah     | -0.021 | 0.065  |
|                                                          | Sulawesi Selatan    | -0.026 | 0.070  |
|                                                          | Sulawesi Tenggara   | -0.020 | 0.064  |
|                                                          | Gorontalo           | -0.021 | 0.070  |
|                                                          | Sulawesi Barat      | -0.020 | 0.063  |
|                                                          | Maluku              | -0.017 | 0.071  |
|                                                          | Maluku Utara        | -0.019 | 0.070  |
|                                                          | Papua Barat         | -0.016 | 0.084  |
|                                                          | Papua               | -0.012 | 0.092  |
|                                                          | Aceh                | 0.019  | 0.088  |
|                                                          | Sumatera Utara      | 0.017  | 0.073  |
|                                                          | Sumatera Barat      | 0.010  | 0.063  |
|                                                          | Riau                | 0.010  | 0.062  |
|                                                          | Jambi               | 0.012  | 0.066  |
|                                                          | Sumatera Selatan    | 0.012  | 0.064  |
|                                                          | Bengkulu            | 0.015  | 0.071  |
|                                                          | Lampung             | 0.014  | 0.070  |
|                                                          | Bangka Belitung     | 0.008  | 0.073  |
|                                                          | Kepulauan Riau      | 0.008  | 0.078  |
|                                                          | DKI Jakarta         | 0.014  | 0.090  |
|                                                          | Jawa Barat          | 0.023  | 0.089  |

Aim 2 Supplementary Tables

| Cause group                 | Province            | Mean   | St Dev |
|-----------------------------|---------------------|--------|--------|
| Preterm birth complications | Jawa Tengah         | 0.004  | 0.072  |
|                             | DI Yogyakarta       | 0.031  | 0.116  |
|                             | Jawa Timur          | 0.043  | 0.132  |
|                             | Banten              | 0.019  | 0.082  |
|                             | Bali                | 0.023  | 0.105  |
|                             | Nusa Tenggara Barat | 0.006  | 0.074  |
|                             | Nusa Tenggara Timur | -0.022 | 0.078  |
|                             | Kalimantan Barat    | -0.008 | 0.066  |
|                             | Kalimantan Tengah   | -0.014 | 0.079  |
|                             | Kalimantan Selatan  | -0.017 | 0.077  |
|                             | Kalimantan Timur    | -0.014 | 0.068  |
|                             | Kalimantan Utara    | -0.013 | 0.080  |
|                             | Sulawesi Utara      | -0.019 | 0.088  |
|                             | Sulawesi Tengah     | -0.016 | 0.066  |
|                             | Sulawesi Selatan    | -0.019 | 0.069  |
|                             | Sulawesi Tenggara   | -0.019 | 0.073  |
|                             | Gorontalo           | -0.018 | 0.076  |
|                             | Sulawesi Barat      | -0.018 | 0.070  |
|                             | Maluku              | -0.022 | 0.088  |
|                             | Maluku Utara        | -0.021 | 0.084  |
| Other neonatal disorders    | Papua Barat         | -0.022 | 0.103  |
|                             | Papua               | -0.024 | 0.117  |
|                             | Aceh                | -0.622 | 0.455  |
|                             | Sumatera Utara      | -0.333 | 0.314  |
|                             | Sumatera Barat      | -0.378 | 0.312  |
|                             | Riau                | -0.324 | 0.299  |
|                             | Jambi               | -0.277 | 0.351  |
|                             | Sumatera Selatan    | -0.209 | 0.307  |
|                             | Bengkulu            | -0.400 | 0.354  |
|                             | Lampung             | -0.252 | 0.384  |
|                             | Bangka Belitung     | -0.212 | 0.458  |
|                             | Kepulauan Riau      | -0.303 | 0.488  |
|                             | DKI Jakarta         | -0.281 | 0.516  |
|                             | Jawa Barat          | -0.288 | 0.394  |
|                             | Jawa Tengah         | -0.489 | 0.389  |
|                             | DI Yogyakarta       | -0.608 | 0.540  |
|                             | Jawa Timur          | -0.720 | 0.424  |
|                             | Banten              | -0.076 | 0.403  |
|                             | Bali                | -0.550 | 0.622  |
|                             | Nusa Tenggara Barat | 0.354  | 0.427  |
|                             | Nusa Tenggara Timur | 0.842  | 0.342  |
|                             | Kalimantan Barat    | 0.161  | 0.378  |
|                             | Kalimantan Tengah   | 0.087  | 0.451  |
|                             | Kalimantan Selatan  | 0.188  | 0.379  |
|                             | Kalimantan Timur    | 0.311  | 0.351  |
|                             | Kalimantan Utara    | 0.182  | 0.473  |
|                             | Sulawesi Utara      | 0.541  | 0.476  |
|                             | Sulawesi Tengah     | 0.400  | 0.334  |
|                             | Sulawesi Selatan    | 0.759  | 0.337  |
|                             | Sulawesi Tenggara   | 0.534  | 0.358  |
|                             | Gorontalo           | 0.541  | 0.416  |
|                             | Sulawesi Barat      | 0.479  | 0.350  |
|                             | Maluku              | 0.403  | 0.465  |
|                             | Maluku Utara        | 0.340  | 0.417  |
|                             | Papua Barat         | 0.261  | 0.607  |
|                             | Papua               | 0.046  | 0.714  |
|                             | Aceh                | 0.005  | 0.030  |

Aim 2 Supplementary Tables

| Cause group                                             | Province            | Mean   | St Dev |
|---------------------------------------------------------|---------------------|--------|--------|
| Communicable diseases other than resp maternal neonatal | Sumatera Utara      | 0.006  | 0.027  |
|                                                         | Sumatera Barat      | 0.006  | 0.025  |
|                                                         | Riau                | 0.005  | 0.025  |
|                                                         | Jambi               | 0.006  | 0.025  |
|                                                         | Sumatera Selatan    | 0.003  | 0.024  |
|                                                         | Bengkulu            | 0.005  | 0.025  |
|                                                         | Lampung             | 0.004  | 0.024  |
|                                                         | Bangka Belitung     | 0.001  | 0.024  |
|                                                         | Kepulauan Riau      | 0.005  | 0.027  |
|                                                         | DKI Jakarta         | 0.002  | 0.031  |
|                                                         | Jawa Barat          | 0.001  | 0.028  |
|                                                         | Jawa Tengah         | 0.001  | 0.028  |
|                                                         | DI Yogyakarta       | 0.002  | 0.031  |
|                                                         | Jawa Timur          | 0.000  | 0.028  |
|                                                         | Banten              | 0.001  | 0.027  |
|                                                         | Bali                | -0.006 | 0.030  |
|                                                         | Nusa Tenggara Barat | -0.007 | 0.026  |
|                                                         | Nusa Tenggara Timur | -0.003 | 0.024  |
|                                                         | Kalimantan Barat    | -0.001 | 0.022  |
|                                                         | Kalimantan Tengah   | 0.000  | 0.025  |
|                                                         | Kalimantan Selatan  | 0.000  | 0.023  |
|                                                         | Kalimantan Timur    | -0.002 | 0.021  |
|                                                         | Kalimantan Utara    | -0.001 | 0.025  |
|                                                         | Sulawesi Utara      | -0.004 | 0.027  |
|                                                         | Sulawesi Tengah     | -0.002 | 0.021  |
|                                                         | Sulawesi Selatan    | -0.002 | 0.021  |
|                                                         | Sulawesi Tenggara   | -0.003 | 0.021  |
|                                                         | Gorontalo           | -0.001 | 0.023  |
|                                                         | Sulawesi Barat      | -0.002 | 0.021  |
|                                                         | Maluku              | -0.004 | 0.026  |
|                                                         | Maluku Utara        | -0.003 | 0.024  |
|                                                         | Papua Barat         | -0.005 | 0.030  |
|                                                         | Papua               | -0.007 | 0.035  |
| Other communicable diseases                             | Aceh                | -0.005 | 0.031  |
|                                                         | Sumatera Utara      | -0.005 | 0.027  |
|                                                         | Sumatera Barat      | -0.003 | 0.025  |
|                                                         | Riau                | -0.004 | 0.026  |
|                                                         | Jambi               | -0.003 | 0.025  |
|                                                         | Sumatera Selatan    | -0.004 | 0.025  |
|                                                         | Bengkulu            | -0.004 | 0.026  |
|                                                         | Lampung             | -0.002 | 0.024  |
|                                                         | Bangka Belitung     | -0.003 | 0.025  |
|                                                         | Kepulauan Riau      | -0.004 | 0.028  |
|                                                         | DKI Jakarta         | 0.004  | 0.032  |
|                                                         | Jawa Barat          | 0.004  | 0.029  |
|                                                         | Jawa Tengah         | 0.004  | 0.029  |
|                                                         | DI Yogyakarta       | 0.003  | 0.032  |
|                                                         | Jawa Timur          | 0.004  | 0.029  |
|                                                         | Banten              | 0.003  | 0.027  |
|                                                         | Bali                | 0.001  | 0.029  |
|                                                         | Nusa Tenggara Barat | 0.001  | 0.025  |
|                                                         | Nusa Tenggara Timur | 0.002  | 0.024  |
|                                                         | Kalimantan Barat    | 0.001  | 0.022  |
|                                                         | Kalimantan Tengah   | 0.002  | 0.025  |
|                                                         | Kalimantan Selatan  | 0.002  | 0.023  |
|                                                         | Kalimantan Timur    | 0.002  | 0.022  |
|                                                         | Kalimantan Utara    | 0.002  | 0.025  |

Aim 2 Supplementary Tables

| Cause group              | Province            | Mean   | St Dev |
|--------------------------|---------------------|--------|--------|
| All respiratory diseases | Sulawesi Utara      | -0.001 | 0.027  |
|                          | Sulawesi Tengah     | 0.001  | 0.021  |
|                          | Sulawesi Selatan    | 0.002  | 0.022  |
|                          | Sulawesi Tenggara   | 0.001  | 0.022  |
|                          | Gorontalo           | 0.000  | 0.023  |
|                          | Sulawesi Barat      | 0.001  | 0.021  |
|                          | Maluku              | 0.000  | 0.026  |
|                          | Maluku Utara        | 0.000  | 0.025  |
|                          | Papua Barat         | -0.001 | 0.031  |
|                          | Papua               | -0.003 | 0.034  |
|                          | Aceh                | 0.006  | 0.031  |
|                          | Sumatera Utara      | 0.003  | 0.027  |
|                          | Sumatera Barat      | 0.004  | 0.026  |
|                          | Riau                | 0.004  | 0.026  |
|                          | Jambi               | 0.004  | 0.025  |
|                          | Sumatera Selatan    | 0.004  | 0.025  |
|                          | Bengkulu            | 0.004  | 0.026  |
|                          | Lampung             | 0.003  | 0.025  |
|                          | Bangka Belitung     | 0.001  | 0.025  |
|                          | Kepulauan Riau      | 0.005  | 0.028  |
|                          | DKI Jakarta         | -0.003 | 0.032  |
|                          | Jawa Barat          | -0.005 | 0.030  |
|                          | Jawa Tengah         | -0.006 | 0.031  |
|                          | DI Yogyakarta       | -0.010 | 0.035  |
|                          | Jawa Timur          | -0.007 | 0.030  |
|                          | Banten              | -0.001 | 0.028  |
|                          | Bali                | -0.002 | 0.029  |
|                          | Nusa Tenggara Barat | 0.001  | 0.025  |
|                          | Nusa Tenggara Timur | 0.002  | 0.025  |
|                          | Kalimantan Barat    | 0.002  | 0.023  |
|                          | Kalimantan Tengah   | 0.000  | 0.025  |
|                          | Kalimantan Selatan  | 0.001  | 0.023  |
|                          | Kalimantan Timur    | -0.001 | 0.022  |
|                          | Kalimantan Utara    | 0.001  | 0.026  |
|                          | Sulawesi Utara      | -0.004 | 0.027  |
|                          | Sulawesi Tengah     | -0.001 | 0.021  |
|                          | Sulawesi Selatan    | 0.001  | 0.022  |
|                          | Sulawesi Tenggara   | 0.000  | 0.022  |
|                          | Gorontalo           | 0.000  | 0.023  |
|                          | Sulawesi Barat      | -0.001 | 0.021  |
|                          | Maluku              | -0.001 | 0.026  |
|                          | Maluku Utara        | -0.002 | 0.025  |
|                          | Papua Barat         | -0.001 | 0.031  |
|                          | Papua               | -0.001 | 0.035  |
|                          | Aceh                | 0.006  | 0.027  |
|                          | Sumatera Utara      | 0.007  | 0.024  |
|                          | Sumatera Barat      | 0.007  | 0.023  |
|                          | Riau                | 0.007  | 0.023  |
|                          | Jambi               | 0.006  | 0.022  |
|                          | Sumatera Selatan    | 0.007  | 0.023  |
|                          | Bengkulu            | 0.006  | 0.023  |
|                          | Lampung             | 0.007  | 0.023  |
|                          | Bangka Belitung     | 0.005  | 0.023  |
|                          | Kepulauan Riau      | 0.005  | 0.025  |
|                          | DKI Jakarta         | 0.005  | 0.028  |
|                          | Jawa Barat          | 0.005  | 0.026  |
|                          | Jawa Tengah         | 0.006  | 0.026  |

Aim 2 Supplementary Tables

| Cause group                         | Province            | Mean   | St Dev |
|-------------------------------------|---------------------|--------|--------|
| Non-communicable diseases           | DI Yogyakarta       | 0.004  | 0.028  |
|                                     | Jawa Timur          | 0.007  | 0.026  |
|                                     | Banten              | 0.006  | 0.025  |
|                                     | Bali                | 0.003  | 0.027  |
|                                     | Nusa Tenggara Barat | -0.001 | 0.023  |
|                                     | Nusa Tenggara Timur | -0.007 | 0.023  |
|                                     | Kalimantan Barat    | -0.003 | 0.020  |
|                                     | Kalimantan Tengah   | -0.005 | 0.023  |
|                                     | Kalimantan Selatan  | -0.006 | 0.022  |
|                                     | Kalimantan Timur    | -0.003 | 0.020  |
|                                     | Kalimantan Utara    | -0.005 | 0.024  |
|                                     | Sulawesi Utara      | -0.005 | 0.025  |
|                                     | Sulawesi Tengah     | -0.006 | 0.020  |
|                                     | Sulawesi Selatan    | -0.007 | 0.021  |
|                                     | Sulawesi Tenggara   | -0.006 | 0.021  |
|                                     | Gorontalo           | -0.006 | 0.022  |
|                                     | Sulawesi Barat      | -0.005 | 0.019  |
|                                     | Maluku              | -0.008 | 0.025  |
|                                     | Maluku Utara        | -0.007 | 0.023  |
|                                     | Papua Barat         | -0.009 | 0.030  |
| Tracheal, bronchus, and lung cancer | Papua               | -0.012 | 0.034  |
|                                     | Aceh                | 0.001  | 0.031  |
|                                     | Sumatera Utara      | 0.001  | 0.028  |
|                                     | Sumatera Barat      | 0.001  | 0.027  |
|                                     | Riau                | 0.001  | 0.027  |
|                                     | Jambi               | 0.001  | 0.026  |
|                                     | Sumatera Selatan    | 0.001  | 0.026  |
|                                     | Bengkulu            | 0.001  | 0.027  |
|                                     | Lampung             | 0.001  | 0.026  |
|                                     | Bangka Belitung     | 0.000  | 0.025  |
|                                     | Kepulauan Riau      | 0.001  | 0.029  |
|                                     | DKI Jakarta         | 0.001  | 0.033  |
|                                     | Jawa Barat          | 0.001  | 0.030  |
|                                     | Jawa Tengah         | 0.001  | 0.030  |
|                                     | DI Yogyakarta       | 0.003  | 0.033  |
|                                     | Jawa Timur          | 0.003  | 0.030  |
|                                     | Banten              | 0.002  | 0.029  |
|                                     | Bali                | 0.003  | 0.030  |
|                                     | Nusa Tenggara Barat | 0.000  | 0.026  |
|                                     | Nusa Tenggara Timur | -0.001 | 0.025  |
|                                     | Kalimantan Barat    | 0.000  | 0.023  |
|                                     | Kalimantan Tengah   | -0.001 | 0.026  |
|                                     | Kalimantan Selatan  | -0.001 | 0.024  |
|                                     | Kalimantan Timur    | -0.001 | 0.023  |
|                                     | Kalimantan Utara    | -0.001 | 0.026  |
|                                     | Sulawesi Utara      | -0.003 | 0.028  |
|                                     | Sulawesi Tengah     | -0.002 | 0.022  |
|                                     | Sulawesi Selatan    | -0.001 | 0.023  |
|                                     | Sulawesi Tenggara   | -0.002 | 0.023  |
|                                     | Gorontalo           | -0.002 | 0.024  |
|                                     | Sulawesi Barat      | -0.002 | 0.022  |
|                                     | Maluku              | -0.001 | 0.027  |
|                                     | Maluku Utara        | -0.002 | 0.026  |
|                                     | Papua Barat         | -0.001 | 0.032  |
|                                     | Papua               | -0.001 | 0.035  |
|                                     | Aceh                | -0.010 | 0.035  |
|                                     | Sumatera Utara      | -0.010 | 0.032  |



Aim 2 Supplementary Tables

| Cause group     | Province            | Mean   | St Dev |
|-----------------|---------------------|--------|--------|
| Breast cancer   | Sumatera Barat      | -0.008 | 0.030  |
|                 | Riau                | -0.009 | 0.030  |
|                 | Jambi               | -0.009 | 0.030  |
|                 | Sumatera Selatan    | -0.008 | 0.029  |
|                 | Bengkulu            | -0.009 | 0.030  |
|                 | Lampung             | -0.008 | 0.029  |
|                 | Bangka Belitung     | -0.007 | 0.028  |
|                 | Kepulauan Riau      | -0.009 | 0.033  |
|                 | DKI Jakarta         | -0.001 | 0.034  |
|                 | Jawa Barat          | -0.002 | 0.031  |
|                 | Jawa Tengah         | 0.000  | 0.031  |
|                 | DI Yogyakarta       | -0.001 | 0.034  |
|                 | Jawa Timur          | 0.002  | 0.031  |
|                 | Banten              | -0.002 | 0.030  |
|                 | Bali                | 0.005  | 0.033  |
|                 | Nusa Tenggara Barat | 0.008  | 0.030  |
|                 | Nusa Tenggara Timur | 0.008  | 0.028  |
|                 | Kalimantan Barat    | -0.001 | 0.024  |
|                 | Kalimantan Tengah   | 0.001  | 0.027  |
|                 | Kalimantan Selatan  | 0.001  | 0.025  |
|                 | Kalimantan Timur    | 0.002  | 0.024  |
|                 | Kalimantan Utara    | 0.001  | 0.027  |
|                 | Sulawesi Utara      | 0.008  | 0.031  |
|                 | Sulawesi Tengah     | 0.006  | 0.025  |
|                 | Sulawesi Selatan    | 0.007  | 0.025  |
|                 | Sulawesi Tenggara   | 0.006  | 0.025  |
|                 | Gorontalo           | 0.006  | 0.026  |
|                 | Sulawesi Barat      | 0.005  | 0.024  |
|                 | Maluku              | 0.007  | 0.030  |
|                 | Maluku Utara        | 0.007  | 0.028  |
|                 | Papua Barat         | 0.007  | 0.034  |
|                 | Papua               | 0.007  | 0.038  |
| Cervical cancer | Aceh                | -0.004 | 0.032  |
|                 | Sumatera Utara      | -0.004 | 0.029  |
|                 | Sumatera Barat      | -0.004 | 0.028  |
|                 | Riau                | -0.004 | 0.028  |
|                 | Jambi               | -0.004 | 0.027  |
|                 | Sumatera Selatan    | -0.004 | 0.027  |
|                 | Bengkulu            | -0.004 | 0.028  |
|                 | Lampung             | -0.004 | 0.027  |
|                 | Bangka Belitung     | -0.003 | 0.026  |
|                 | Kepulauan Riau      | -0.003 | 0.029  |
|                 | DKI Jakarta         | -0.002 | 0.034  |
|                 | Jawa Barat          | -0.002 | 0.031  |
|                 | Jawa Tengah         | -0.002 | 0.031  |
|                 | DI Yogyakarta       | -0.001 | 0.034  |
|                 | Jawa Timur          | 0.000  | 0.030  |
|                 | Banten              | -0.003 | 0.029  |
|                 | Bali                | 0.002  | 0.031  |
|                 | Nusa Tenggara Barat | 0.001  | 0.026  |
|                 | Nusa Tenggara Timur | 0.003  | 0.026  |
|                 | Kalimantan Barat    | 0.000  | 0.023  |
|                 | Kalimantan Tengah   | 0.001  | 0.026  |
|                 | Kalimantan Selatan  | 0.001  | 0.024  |
|                 | Kalimantan Timur    | 0.002  | 0.023  |
|                 | Kalimantan Utara    | 0.001  | 0.026  |
|                 | Sulawesi Utara      | 0.005  | 0.029  |

Aim 2 Supplementary Tables

| Cause group               | Province            | Mean   | St Dev |
|---------------------------|---------------------|--------|--------|
|                           | Sulawesi Tengah     | 0.003  | 0.023  |
|                           | Sulawesi Selatan    | 0.002  | 0.023  |
|                           | Sulawesi Tenggara   | 0.003  | 0.024  |
|                           | Gorontalo           | 0.003  | 0.025  |
|                           | Sulawesi Barat      | 0.003  | 0.023  |
|                           | Maluku              | 0.004  | 0.028  |
|                           | Maluku Utara        | 0.004  | 0.027  |
|                           | Papua Barat         | 0.004  | 0.033  |
|                           | Papua               | 0.005  | 0.037  |
|                           | Aceh                | -0.012 | 0.036  |
|                           | Sumatera Utara      | -0.011 | 0.033  |
|                           | Sumatera Barat      | -0.010 | 0.030  |
|                           | Riau                | -0.010 | 0.031  |
|                           | Jambi               | -0.010 | 0.030  |
|                           | Sumatera Selatan    | -0.009 | 0.029  |
|                           | Bengkulu            | -0.010 | 0.031  |
|                           | Lampung             | -0.008 | 0.029  |
|                           | Bangka Belitung     | -0.006 | 0.027  |
|                           | Kepulauan Riau      | -0.009 | 0.032  |
|                           | DKI Jakarta         | 0.000  | 0.034  |
| Other malignant neoplasms | Jawa Barat          | 0.000  | 0.031  |
|                           | Jawa Tengah         | 0.001  | 0.031  |
|                           | DI Yogyakarta       | 0.002  | 0.034  |
|                           | Jawa Timur          | 0.004  | 0.031  |
|                           | Banten              | -0.001 | 0.029  |
|                           | Bali                | 0.006  | 0.033  |
|                           | Nusa Tenggara Barat | 0.009  | 0.030  |
|                           | Nusa Tenggara Timur | 0.009  | 0.029  |
|                           | Kalimantan Barat    | 0.001  | 0.024  |
|                           | Kalimantan Tengah   | 0.002  | 0.027  |
|                           | Kalimantan Selatan  | 0.003  | 0.025  |
|                           | Kalimantan Timur    | 0.003  | 0.024  |
|                           | Kalimantan Utara    | 0.002  | 0.027  |
|                           | Sulawesi Utara      | 0.006  | 0.030  |
|                           | Sulawesi Tengah     | 0.005  | 0.024  |
|                           | Sulawesi Selatan    | 0.006  | 0.025  |
|                           | Sulawesi Tenggara   | 0.006  | 0.025  |
|                           | Gorontalo           | 0.004  | 0.026  |
|                           | Sulawesi Barat      | 0.004  | 0.024  |
|                           | Maluku              | 0.006  | 0.029  |
|                           | Maluku Utara        | 0.006  | 0.028  |
|                           | Papua Barat         | 0.006  | 0.034  |
|                           | Papua               | 0.006  | 0.038  |
|                           | Aceh                | -0.016 | 0.042  |
|                           | Sumatera Utara      | -0.015 | 0.039  |
|                           | Sumatera Barat      | -0.014 | 0.035  |
|                           | Riau                | -0.014 | 0.036  |
|                           | Jambi               | -0.014 | 0.036  |
|                           | Sumatera Selatan    | -0.013 | 0.034  |
|                           | Bengkulu            | -0.014 | 0.036  |
|                           | Lampung             | -0.012 | 0.034  |
|                           | Bangka Belitung     | -0.010 | 0.033  |
|                           | Kepulauan Riau      | -0.014 | 0.038  |
|                           | DKI Jakarta         | -0.001 | 0.037  |
|                           | Jawa Barat          | -0.001 | 0.034  |
|                           | Jawa Tengah         | 0.001  | 0.034  |
|                           | DI Yogyakarta       | 0.001  | 0.037  |

Aim 2 Supplementary Tables

| Cause group             | Province            | Mean   | St Dev |
|-------------------------|---------------------|--------|--------|
| Neoplasms               | Jawa Timur          | 0.005  | 0.034  |
|                         | Banten              | -0.003 | 0.032  |
|                         | Bali                | 0.012  | 0.039  |
|                         | Nusa Tenggara Barat | 0.013  | 0.035  |
|                         | Nusa Tenggara Timur | 0.012  | 0.034  |
|                         | Kalimantan Barat    | -0.001 | 0.026  |
|                         | Kalimantan Tengah   | 0.000  | 0.030  |
|                         | Kalimantan Selatan  | 0.002  | 0.027  |
|                         | Kalimantan Timur    | 0.003  | 0.026  |
|                         | Kalimantan Utara    | 0.001  | 0.030  |
|                         | Sulawesi Utara      | 0.011  | 0.036  |
|                         | Sulawesi Tengah     | 0.008  | 0.027  |
|                         | Sulawesi Selatan    | 0.009  | 0.029  |
|                         | Sulawesi Tenggara   | 0.009  | 0.029  |
|                         | Gorontalo           | 0.008  | 0.030  |
|                         | Sulawesi Barat      | 0.007  | 0.027  |
|                         | Maluku              | 0.010  | 0.034  |
|                         | Maluku Utara        | 0.010  | 0.032  |
|                         | Papua Barat         | 0.010  | 0.039  |
|                         | Papua               | 0.011  | 0.043  |
| Cerebrovascular disease | Aceh                | 0.004  | 0.029  |
|                         | Sumatera Utara      | 0.003  | 0.026  |
|                         | Sumatera Barat      | 0.001  | 0.024  |
|                         | Riau                | 0.003  | 0.024  |
|                         | Jambi               | 0.002  | 0.023  |
|                         | Sumatera Selatan    | 0.001  | 0.023  |
|                         | Bengkulu            | 0.002  | 0.024  |
|                         | Lampung             | 0.002  | 0.023  |
|                         | Bangka Belitung     | 0.002  | 0.023  |
|                         | Kepulauan Riau      | 0.002  | 0.026  |
|                         | DKI Jakarta         | 0.004  | 0.030  |
|                         | Jawa Barat          | 0.005  | 0.027  |
|                         | Jawa Tengah         | 0.006  | 0.027  |
|                         | DI Yogyakarta       | 0.006  | 0.030  |
|                         | Jawa Timur          | 0.004  | 0.027  |
|                         | Banten              | 0.002  | 0.026  |
|                         | Bali                | -0.002 | 0.027  |
|                         | Nusa Tenggara Barat | -0.005 | 0.024  |
|                         | Nusa Tenggara Timur | -0.005 | 0.024  |
|                         | Kalimantan Barat    | -0.001 | 0.021  |
|                         | Kalimantan Tengah   | -0.001 | 0.024  |
|                         | Kalimantan Selatan  | -0.001 | 0.022  |
|                         | Kalimantan Timur    | -0.001 | 0.021  |
|                         | Kalimantan Utara    | -0.001 | 0.024  |
|                         | Sulawesi Utara      | -0.003 | 0.025  |
|                         | Sulawesi Tengah     | -0.003 | 0.020  |
|                         | Sulawesi Selatan    | -0.005 | 0.021  |
|                         | Sulawesi Tenggara   | -0.004 | 0.021  |
|                         | Gorontalo           | -0.002 | 0.022  |
|                         | Sulawesi Barat      | -0.002 | 0.020  |
|                         | Maluku              | -0.004 | 0.025  |
|                         | Maluku Utara        | -0.003 | 0.024  |
|                         | Papua Barat         | -0.004 | 0.029  |
|                         | Papua               | -0.004 | 0.033  |
|                         | Aceh                | -0.002 | 0.029  |
|                         | Sumatera Utara      | -0.003 | 0.026  |
|                         | Sumatera Barat      | -0.002 | 0.024  |

Aim 2 Supplementary Tables

| Cause group                                   | Province            | Mean   | St Dev |
|-----------------------------------------------|---------------------|--------|--------|
| Ischemic heart disease                        | Riau                | -0.001 | 0.024  |
|                                               | Jambi               | -0.002 | 0.024  |
|                                               | Sumatera Selatan    | 0.000  | 0.024  |
|                                               | Bengkulu            | -0.002 | 0.025  |
|                                               | Lampung             | -0.002 | 0.024  |
|                                               | Bangka Belitung     | 0.001  | 0.023  |
|                                               | Kepulauan Riau      | -0.001 | 0.027  |
|                                               | DKI Jakarta         | -0.001 | 0.030  |
|                                               | Jawa Barat          | 0.000  | 0.028  |
|                                               | Jawa Tengah         | -0.001 | 0.028  |
|                                               | DI Yogyakarta       | -0.003 | 0.030  |
|                                               | Jawa Timur          | 0.000  | 0.027  |
|                                               | Banten              | 0.000  | 0.026  |
|                                               | Bali                | 0.002  | 0.028  |
|                                               | Nusa Tenggara Barat | 0.002  | 0.024  |
|                                               | Nusa Tenggara Timur | 0.000  | 0.023  |
|                                               | Kalimantan Barat    | 0.002  | 0.021  |
|                                               | Kalimantan Tengah   | 0.003  | 0.025  |
|                                               | Kalimantan Selatan  | 0.001  | 0.022  |
|                                               | Kalimantan Timur    | 0.002  | 0.021  |
|                                               | Kalimantan Utara    | 0.002  | 0.024  |
|                                               | Sulawesi Utara      | -0.001 | 0.026  |
|                                               | Sulawesi Tengah     | 0.001  | 0.021  |
|                                               | Sulawesi Selatan    | 0.002  | 0.021  |
|                                               | Sulawesi Tenggara   | 0.001  | 0.021  |
|                                               | Gorontalo           | 0.001  | 0.023  |
|                                               | Sulawesi Barat      | 0.001  | 0.021  |
|                                               | Maluku              | 0.000  | 0.025  |
|                                               | Maluku Utara        | 0.000  | 0.024  |
|                                               | Papua Barat         | 0.000  | 0.030  |
|                                               | Papua               | -0.001 | 0.033  |
| Other cardiovascular and circulatory diseases | Aceh                | 0.000  | 0.031  |
|                                               | Sumatera Utara      | 0.001  | 0.028  |
|                                               | Sumatera Barat      | 0.002  | 0.026  |
|                                               | Riau                | 0.002  | 0.026  |
|                                               | Jambi               | 0.002  | 0.026  |
|                                               | Sumatera Selatan    | 0.002  | 0.025  |
|                                               | Bengkulu            | 0.002  | 0.027  |
|                                               | Lampung             | 0.002  | 0.025  |
|                                               | Bangka Belitung     | 0.002  | 0.025  |
|                                               | Kepulauan Riau      | 0.002  | 0.028  |
|                                               | DKI Jakarta         | -0.001 | 0.032  |
|                                               | Jawa Barat          | 0.000  | 0.030  |
|                                               | Jawa Tengah         | 0.000  | 0.030  |
|                                               | DI Yogyakarta       | 0.000  | 0.033  |
|                                               | Jawa Timur          | -0.001 | 0.029  |
|                                               | Banten              | 0.000  | 0.028  |
|                                               | Bali                | -0.003 | 0.030  |
|                                               | Nusa Tenggara Barat | -0.003 | 0.026  |
|                                               | Nusa Tenggara Timur | -0.003 | 0.025  |
|                                               | Kalimantan Barat    | 0.003  | 0.023  |
|                                               | Kalimantan Tengah   | 0.002  | 0.026  |
|                                               | Kalimantan Selatan  | 0.003  | 0.024  |
|                                               | Kalimantan Timur    | 0.002  | 0.022  |
|                                               | Kalimantan Utara    | 0.002  | 0.026  |
|                                               | Sulawesi Utara      | -0.002 | 0.028  |
|                                               | Sulawesi Tengah     | -0.001 | 0.022  |

Aim 2 Supplementary Tables

| Cause group       | Province            | Mean   | St Dev |
|-------------------|---------------------|--------|--------|
| Diabetes mellitus | Sulawesi Selatan    | -0.003 | 0.023  |
|                   | Sulawesi Tenggara   | -0.002 | 0.023  |
|                   | Gorontalo           | -0.003 | 0.024  |
|                   | Sulawesi Barat      | 0.000  | 0.022  |
|                   | Maluku              | -0.001 | 0.027  |
|                   | Maluku Utara        | -0.002 | 0.026  |
|                   | Papua Barat         | -0.001 | 0.031  |
|                   | Papua               | 0.000  | 0.035  |
|                   | Aceh                | 0.000  | 0.031  |
|                   | Sumatera Utara      | 0.003  | 0.028  |
|                   | Sumatera Barat      | 0.000  | 0.026  |
|                   | Riau                | 0.000  | 0.026  |
|                   | Jambi               | 0.000  | 0.025  |
|                   | Sumatera Selatan    | 0.001  | 0.025  |
|                   | Bengkulu            | 0.001  | 0.026  |
|                   | Lampung             | 0.002  | 0.025  |
|                   | Bangka Belitung     | -0.001 | 0.025  |
|                   | Kepulauan Riau      | -0.001 | 0.028  |
|                   | DKI Jakarta         | 0.009  | 0.034  |
|                   | Jawa Barat          | 0.012  | 0.033  |
|                   | Jawa Tengah         | 0.010  | 0.032  |
|                   | DI Yogyakarta       | 0.010  | 0.035  |
|                   | Jawa Timur          | 0.012  | 0.033  |
|                   | Banten              | 0.009  | 0.030  |
|                   | Bali                | 0.010  | 0.033  |
|                   | Nusa Tenggara Barat | 0.005  | 0.027  |
|                   | Nusa Tenggara Timur | -0.002 | 0.025  |
|                   | Kalimantan Barat    | -0.006 | 0.024  |
|                   | Kalimantan Tengah   | -0.008 | 0.028  |
|                   | Kalimantan Selatan  | -0.007 | 0.025  |
|                   | Kalimantan Timur    | -0.005 | 0.023  |
|                   | Kalimantan Utara    | -0.006 | 0.027  |
|                   | Sulawesi Utara      | -0.005 | 0.028  |
|                   | Sulawesi Tengah     | -0.005 | 0.022  |
|                   | Sulawesi Selatan    | -0.003 | 0.022  |
|                   | Sulawesi Tenggara   | -0.004 | 0.023  |
|                   | Gorontalo           | -0.004 | 0.024  |
|                   | Sulawesi Barat      | -0.004 | 0.022  |
|                   | Maluku              | -0.005 | 0.027  |
|                   | Maluku Utara        | -0.005 | 0.026  |
|                   | Papua Barat         | -0.006 | 0.032  |
|                   | Papua               | -0.008 | 0.037  |
|                   | Aceh                | -0.005 | 0.029  |
|                   | Sumatera Utara      | -0.006 | 0.027  |
|                   | Sumatera Barat      | -0.004 | 0.025  |
|                   | Riau                | -0.004 | 0.025  |
|                   | Jambi               | -0.005 | 0.025  |
|                   | Sumatera Selatan    | -0.004 | 0.024  |
|                   | Bengkulu            | -0.004 | 0.025  |
|                   | Lampung             | -0.003 | 0.024  |
|                   | Bangka Belitung     | -0.001 | 0.024  |
|                   | Kepulauan Riau      | -0.004 | 0.027  |
|                   | DKI Jakarta         | 0.001  | 0.030  |
|                   | Jawa Barat          | 0.001  | 0.028  |
|                   | Jawa Tengah         | 0.003  | 0.028  |
|                   | DI Yogyakarta       | 0.002  | 0.031  |
|                   | Jawa Timur          | 0.002  | 0.027  |

Aim 2 Supplementary Tables

| Cause group            | Province            | Mean   | St Dev |
|------------------------|---------------------|--------|--------|
| Chronic kidney disease | Banten              | -0.001 | 0.026  |
|                        | Bali                | 0.000  | 0.028  |
|                        | Nusa Tenggara Barat | 0.001  | 0.024  |
|                        | Nusa Tenggara Timur | 0.002  | 0.023  |
|                        | Kalimantan Barat    | 0.000  | 0.022  |
|                        | Kalimantan Tengah   | 0.000  | 0.024  |
|                        | Kalimantan Selatan  | 0.000  | 0.023  |
|                        | Kalimantan Timur    | 0.001  | 0.021  |
|                        | Kalimantan Utara    | 0.000  | 0.025  |
|                        | Sulawesi Utara      | 0.005  | 0.027  |
|                        | Sulawesi Tengah     | 0.003  | 0.021  |
|                        | Sulawesi Selatan    | 0.002  | 0.021  |
|                        | Sulawesi Tenggara   | 0.003  | 0.021  |
|                        | Gorontalo           | 0.004  | 0.023  |
|                        | Sulawesi Barat      | 0.002  | 0.020  |
|                        | Maluku              | 0.002  | 0.025  |
|                        | Maluku Utara        | 0.003  | 0.024  |
|                        | Papua Barat         | 0.002  | 0.030  |
|                        | Papua               | 0.002  | 0.033  |
| Cirrhosis              | Aceh                | -0.006 | 0.031  |
|                        | Sumatera Utara      | -0.005 | 0.028  |
|                        | Sumatera Barat      | -0.005 | 0.026  |
|                        | Riau                | -0.005 | 0.026  |
|                        | Jambi               | -0.005 | 0.026  |
|                        | Sumatera Selatan    | -0.006 | 0.025  |
|                        | Bengkulu            | -0.005 | 0.026  |
|                        | Lampung             | -0.004 | 0.025  |
|                        | Bangka Belitung     | -0.004 | 0.025  |
|                        | Kepulauan Riau      | -0.004 | 0.028  |
|                        | DKI Jakarta         | 0.004  | 0.032  |
|                        | Jawa Barat          | 0.003  | 0.029  |
|                        | Jawa Tengah         | 0.004  | 0.029  |
|                        | DI Yogyakarta       | 0.003  | 0.032  |
|                        | Jawa Timur          | 0.004  | 0.029  |
|                        | Banten              | 0.003  | 0.027  |
|                        | Bali                | 0.005  | 0.030  |
|                        | Nusa Tenggara Barat | 0.005  | 0.026  |
|                        | Nusa Tenggara Timur | 0.005  | 0.025  |
|                        | Kalimantan Barat    | 0.000  | 0.022  |
|                        | Kalimantan Tengah   | 0.001  | 0.025  |
|                        | Kalimantan Selatan  | 0.001  | 0.023  |
|                        | Kalimantan Timur    | 0.001  | 0.022  |
|                        | Kalimantan Utara    | 0.001  | 0.025  |
|                        | Sulawesi Utara      | 0.001  | 0.027  |
|                        | Sulawesi Tengah     | 0.001  | 0.021  |
|                        | Sulawesi Selatan    | 0.003  | 0.022  |
|                        | Sulawesi Tenggara   | 0.002  | 0.022  |
|                        | Gorontalo           | 0.001  | 0.023  |
|                        | Sulawesi Barat      | 0.000  | 0.021  |
|                        | Maluku              | 0.001  | 0.026  |
|                        | Maluku Utara        | 0.001  | 0.025  |
|                        | Papua Barat         | 0.000  | 0.030  |
|                        | Papua               | -0.002 | 0.034  |
|                        | Aceh                | 0.014  | 0.038  |
|                        | Sumatera Utara      | 0.015  | 0.036  |
|                        | Sumatera Barat      | 0.015  | 0.034  |
|                        | Riau                | 0.013  | 0.033  |

Aim 2 Supplementary Tables

| Cause group                                                 | Province            | Mean   | St Dev |
|-------------------------------------------------------------|---------------------|--------|--------|
| Chronic respiratory diseases                                | Jambi               | 0.014  | 0.033  |
|                                                             | Sumatera Selatan    | 0.012  | 0.032  |
|                                                             | Bengkulu            | 0.013  | 0.033  |
|                                                             | Lampung             | 0.011  | 0.031  |
|                                                             | Bangka Belitung     | 0.005  | 0.029  |
|                                                             | Kepulauan Riau      | 0.011  | 0.035  |
|                                                             | DKI Jakarta         | -0.002 | 0.037  |
|                                                             | Jawa Barat          | -0.007 | 0.035  |
|                                                             | Jawa Tengah         | -0.004 | 0.034  |
|                                                             | DI Yogyakarta       | -0.005 | 0.038  |
|                                                             | Jawa Timur          | -0.008 | 0.034  |
|                                                             | Banten              | 0.001  | 0.032  |
|                                                             | Bali                | -0.002 | 0.033  |
|                                                             | Nusa Tenggara Barat | 0.000  | 0.028  |
|                                                             | Nusa Tenggara Timur | -0.003 | 0.028  |
|                                                             | Kalimantan Barat    | -0.005 | 0.027  |
|                                                             | Kalimantan Tengah   | -0.007 | 0.031  |
|                                                             | Kalimantan Selatan  | -0.008 | 0.029  |
|                                                             | Kalimantan Timur    | -0.007 | 0.026  |
|                                                             | Kalimantan Utara    | -0.007 | 0.031  |
|                                                             | Sulawesi Utara      | -0.009 | 0.032  |
|                                                             | Sulawesi Tengah     | -0.006 | 0.025  |
|                                                             | Sulawesi Selatan    | -0.001 | 0.024  |
|                                                             | Sulawesi Tenggara   | -0.005 | 0.025  |
|                                                             | Gorontalo           | -0.006 | 0.027  |
|                                                             | Sulawesi Barat      | -0.005 | 0.024  |
|                                                             | Maluku              | -0.006 | 0.031  |
|                                                             | Maluku Utara        | -0.006 | 0.029  |
|                                                             | Papua Barat         | -0.007 | 0.036  |
|                                                             | Papua               | -0.009 | 0.041  |
| Other non-communicable diseases and cardiovascular diseases | Aceh                | 0.019  | 0.042  |
|                                                             | Sumatera Utara      | 0.015  | 0.034  |
|                                                             | Sumatera Barat      | 0.014  | 0.032  |
|                                                             | Riau                | 0.017  | 0.035  |
|                                                             | Jambi               | 0.016  | 0.033  |
|                                                             | Sumatera Selatan    | 0.018  | 0.036  |
|                                                             | Bengkulu            | 0.015  | 0.034  |
|                                                             | Lampung             | 0.015  | 0.033  |
|                                                             | Bangka Belitung     | 0.015  | 0.037  |
|                                                             | Kepulauan Riau      | 0.015  | 0.038  |
|                                                             | DKI Jakarta         | 0.016  | 0.041  |
|                                                             | Jawa Barat          | 0.021  | 0.041  |
|                                                             | Jawa Tengah         | 0.018  | 0.039  |
|                                                             | DI Yogyakarta       | 0.017  | 0.042  |
|                                                             | Jawa Timur          | 0.012  | 0.035  |
|                                                             | Banten              | 0.015  | 0.035  |
|                                                             | Bali                | -0.008 | 0.038  |
|                                                             | Nusa Tenggara Barat | -0.021 | 0.041  |
|                                                             | Nusa Tenggara Timur | -0.030 | 0.050  |
|                                                             | Kalimantan Barat    | 0.002  | 0.029  |
|                                                             | Kalimantan Tengah   | -0.002 | 0.031  |
|                                                             | Kalimantan Selatan  | -0.005 | 0.029  |
|                                                             | Kalimantan Timur    | -0.004 | 0.026  |
|                                                             | Kalimantan Utara    | -0.005 | 0.032  |
|                                                             | Sulawesi Utara      | -0.020 | 0.040  |
|                                                             | Sulawesi Tengah     | -0.016 | 0.031  |
|                                                             | Sulawesi Selatan    | -0.020 | 0.036  |

Aim 2 Supplementary Tables

| Cause group                     | Province            | Mean   | St Dev |
|---------------------------------|---------------------|--------|--------|
| Other non-communicable diseases | Sulawesi Tenggara   | -0.020 | 0.035  |
|                                 | Gorontalo           | -0.016 | 0.033  |
|                                 | Sulawesi Barat      | -0.012 | 0.028  |
|                                 | Maluku              | -0.021 | 0.042  |
|                                 | Maluku Utara        | -0.019 | 0.038  |
|                                 | Papua Barat         | -0.021 | 0.046  |
|                                 | Papua               | -0.021 | 0.050  |
|                                 | Aceh                | 0.003  | 0.028  |
|                                 | Sumatera Utara      | 0.001  | 0.025  |
|                                 | Sumatera Barat      | 0.001  | 0.023  |
|                                 | Riau                | 0.002  | 0.023  |
|                                 | Jambi               | 0.001  | 0.023  |
|                                 | Sumatera Selatan    | -0.001 | 0.022  |
|                                 | Bengkulu            | 0.000  | 0.024  |
|                                 | Lampung             | 0.001  | 0.023  |
|                                 | Bangka Belitung     | -0.001 | 0.023  |
|                                 | Kepulauan Riau      | 0.000  | 0.026  |
|                                 | DKI Jakarta         | 0.002  | 0.029  |
|                                 | Jawa Barat          | 0.003  | 0.026  |
|                                 | Jawa Tengah         | 0.004  | 0.026  |
|                                 | DI Yogyakarta       | 0.006  | 0.030  |
|                                 | Jawa Timur          | 0.005  | 0.026  |
|                                 | Banten              | 0.000  | 0.025  |
|                                 | Bali                | 0.003  | 0.027  |
|                                 | Nusa Tenggara Barat | -0.001 | 0.023  |
|                                 | Nusa Tenggara Timur | -0.005 | 0.023  |
|                                 | Kalimantan Barat    | -0.001 | 0.021  |
|                                 | Kalimantan Tengah   | -0.002 | 0.023  |
|                                 | Kalimantan Selatan  | -0.002 | 0.022  |
|                                 | Kalimantan Timur    | -0.002 | 0.020  |
|                                 | Kalimantan Utara    | -0.002 | 0.024  |
|                                 | Sulawesi Utara      | -0.002 | 0.025  |
|                                 | Sulawesi Tengah     | -0.002 | 0.020  |
|                                 | Sulawesi Selatan    | -0.001 | 0.020  |
|                                 | Sulawesi Tenggara   | -0.002 | 0.020  |
|                                 | Gorontalo           | 0.000  | 0.021  |
|                                 | Sulawesi Barat      | -0.002 | 0.020  |
|                                 | Maluku              | -0.003 | 0.024  |
|                                 | Maluku Utara        | -0.002 | 0.023  |
|                                 | Papua Barat         | -0.002 | 0.028  |
|                                 | Papua               | -0.002 | 0.032  |
|                                 | Aceh                | 0.000  | 0.032  |
|                                 | Sumatera Utara      | 0.001  | 0.029  |
|                                 | Sumatera Barat      | 0.000  | 0.027  |
|                                 | Riau                | 0.000  | 0.027  |
|                                 | Jambi               | 0.000  | 0.026  |
|                                 | Sumatera Selatan    | 0.000  | 0.026  |
|                                 | Bengkulu            | 0.000  | 0.027  |
|                                 | Lampung             | -0.003 | 0.026  |
|                                 | Bangka Belitung     | 0.002  | 0.026  |
|                                 | Kepulauan Riau      | 0.000  | 0.029  |
|                                 | DKI Jakarta         | -0.011 | 0.037  |
|                                 | Jawa Barat          | -0.012 | 0.035  |
|                                 | Jawa Tengah         | -0.011 | 0.035  |
|                                 | DI Yogyakarta       | -0.009 | 0.036  |
|                                 | Jawa Timur          | -0.010 | 0.034  |
|                                 | Banten              | -0.010 | 0.032  |



Aim 2 Supplementary Tables

| Cause group | Province            | Mean   | St Dev |
|-------------|---------------------|--------|--------|
| Injuries    | Bali                | -0.005 | 0.032  |
|             | Nusa Tenggara Barat | 0.001  | 0.027  |
|             | Nusa Tenggara Timur | 0.003  | 0.026  |
|             | Kalimantan Barat    | 0.003  | 0.024  |
|             | Kalimantan Tengah   | 0.004  | 0.027  |
|             | Kalimantan Selatan  | 0.004  | 0.025  |
|             | Kalimantan Timur    | 0.003  | 0.023  |
|             | Kalimantan Utara    | 0.004  | 0.027  |
|             | Sulawesi Utara      | 0.005  | 0.029  |
|             | Sulawesi Tengah     | 0.004  | 0.023  |
|             | Sulawesi Selatan    | 0.004  | 0.024  |
|             | Sulawesi Tenggara   | 0.004  | 0.024  |
|             | Gorontalo           | 0.003  | 0.025  |
|             | Sulawesi Barat      | 0.004  | 0.023  |
|             | Maluku              | 0.004  | 0.028  |
|             | Maluku Utara        | 0.005  | 0.027  |
|             | Papua Barat         | 0.005  | 0.033  |
|             | Papua               | 0.006  | 0.037  |
|             | Aceh                | -0.223 | 0.273  |
|             | Sumatera Utara      | -0.136 | 0.182  |
| Drowning    | Sumatera Barat      | -0.178 | 0.195  |
|             | Riau                | -0.074 | 0.203  |
|             | Jambi               | 0.003  | 0.217  |
|             | Sumatera Selatan    | -0.083 | 0.204  |
|             | Bengkulu            | -0.063 | 0.223  |
|             | Lampung             | -0.256 | 0.233  |
|             | Bangka Belitung     | 0.031  | 0.277  |
|             | Kepulauan Riau      | 0.017  | 0.297  |
|             | DKI Jakarta         | -0.460 | 0.277  |
|             | Jawa Barat          | -0.566 | 0.194  |
|             | Jawa Tengah         | -0.385 | 0.160  |
|             | DI Yogyakarta       | -0.526 | 0.286  |
|             | Jawa Timur          | -0.446 | 0.189  |
|             | Banten              | -0.533 | 0.245  |
|             | Bali                | -0.143 | 0.349  |
|             | Nusa Tenggara Barat | 0.163  | 0.285  |
|             | Nusa Tenggara Timur | 0.342  | 0.270  |
|             | Kalimantan Barat    | -0.001 | 0.246  |
|             | Kalimantan Tengah   | -0.025 | 0.282  |
|             | Kalimantan Selatan  | 0.027  | 0.247  |
|             | Kalimantan Timur    | 0.021  | 0.234  |
|             | Kalimantan Utara    | -0.007 | 0.294  |
|             | Sulawesi Utara      | 0.263  | 0.290  |
|             | Sulawesi Tengah     | 0.248  | 0.205  |
|             | Sulawesi Selatan    | 0.372  | 0.194  |
|             | Sulawesi Tenggara   | 0.314  | 0.221  |
|             | Gorontalo           | 0.281  | 0.210  |
|             | Sulawesi Barat      | 0.220  | 0.200  |
|             | Maluku              | 0.411  | 0.281  |
|             | Maluku Utara        | 0.334  | 0.265  |
|             | Papua Barat         | 0.465  | 0.350  |
|             | Papua               | 0.657  | 0.375  |
|             | Aceh                | -0.002 | 0.031  |
|             | Sumatera Utara      | -0.003 | 0.028  |
|             | Sumatera Barat      | -0.002 | 0.026  |
|             | Riau                | -0.003 | 0.027  |
|             | Jambi               | -0.003 | 0.026  |

Aim 2 Supplementary Tables

| Cause group            | Province            | Mean   | St Dev |
|------------------------|---------------------|--------|--------|
| Falls                  | Sumatera Selatan    | -0.003 | 0.026  |
|                        | Bengkulu            | -0.003 | 0.027  |
|                        | Lampung             | -0.002 | 0.025  |
|                        | Bangka Belitung     | -0.003 | 0.025  |
|                        | Kepulauan Riau      | -0.003 | 0.029  |
|                        | DKI Jakarta         | 0.005  | 0.033  |
|                        | Jawa Barat          | 0.005  | 0.030  |
|                        | Jawa Tengah         | 0.007  | 0.031  |
|                        | DI Yogyakarta       | 0.009  | 0.034  |
|                        | Jawa Timur          | 0.005  | 0.030  |
|                        | Banten              | 0.005  | 0.029  |
|                        | Bali                | 0.003  | 0.030  |
|                        | Nusa Tenggara Barat | 0.001  | 0.026  |
|                        | Nusa Tenggara Timur | 0.001  | 0.025  |
|                        | Kalimantan Barat    | -0.002 | 0.023  |
|                        | Kalimantan Tengah   | -0.002 | 0.026  |
|                        | Kalimantan Selatan  | -0.002 | 0.024  |
|                        | Kalimantan Timur    | -0.002 | 0.022  |
|                        | Kalimantan Utara    | -0.001 | 0.026  |
|                        | Sulawesi Utara      | -0.002 | 0.028  |
|                        | Sulawesi Tengah     | -0.001 | 0.022  |
|                        | Sulawesi Selatan    | 0.000  | 0.022  |
|                        | Sulawesi Tenggara   | -0.001 | 0.022  |
|                        | Gorontalo           | -0.002 | 0.024  |
|                        | Sulawesi Barat      | -0.001 | 0.022  |
|                        | Maluku              | 0.000  | 0.027  |
|                        | Maluku Utara        | -0.001 | 0.025  |
|                        | Papua Barat         | 0.000  | 0.031  |
|                        | Papua               | 0.000  | 0.035  |
| Interpersonal violence | Aceh                | -0.017 | 0.045  |
|                        | Sumatera Utara      | -0.018 | 0.044  |
|                        | Sumatera Barat      | -0.015 | 0.039  |
|                        | Riau                | -0.014 | 0.038  |
|                        | Jambi               | -0.014 | 0.038  |
|                        | Sumatera Selatan    | -0.012 | 0.035  |
|                        | Bengkulu            | -0.014 | 0.039  |
|                        | Lampung             | -0.012 | 0.035  |
|                        | Bangka Belitung     | -0.007 | 0.032  |
|                        | Kepulauan Riau      | -0.012 | 0.038  |
|                        | DKI Jakarta         | -0.006 | 0.040  |
|                        | Jawa Barat          | -0.006 | 0.037  |
|                        | Jawa Tengah         | -0.006 | 0.037  |
|                        | DI Yogyakarta       | -0.005 | 0.041  |
|                        | Jawa Timur          | -0.005 | 0.036  |
|                        | Banten              | -0.007 | 0.036  |
|                        | Bali                | 0.001  | 0.036  |
|                        | Nusa Tenggara Barat | 0.006  | 0.032  |
|                        | Nusa Tenggara Timur | 0.011  | 0.034  |
|                        | Kalimantan Barat    | 0.005  | 0.028  |
|                        | Kalimantan Tengah   | 0.007  | 0.033  |
|                        | Kalimantan Selatan  | 0.008  | 0.031  |
|                        | Kalimantan Timur    | 0.008  | 0.030  |
|                        | Kalimantan Utara    | 0.007  | 0.033  |
|                        | Sulawesi Utara      | 0.012  | 0.038  |
|                        | Sulawesi Tengah     | 0.011  | 0.032  |
|                        | Sulawesi Selatan    | 0.011  | 0.032  |
|                        | Sulawesi Tenggara   | 0.011  | 0.032  |

Aim 2 Supplementary Tables

| Cause group        | Province            | Mean   | St Dev |
|--------------------|---------------------|--------|--------|
| Self-harm          | Gorontalo           | 0.011  | 0.033  |
|                    | Sulawesi Barat      | 0.010  | 0.031  |
|                    | Maluku              | 0.012  | 0.037  |
|                    | Maluku Utara        | 0.012  | 0.036  |
|                    | Papua Barat         | 0.013  | 0.042  |
|                    | Papua               | 0.014  | 0.047  |
|                    | Aceh                | -0.004 | 0.031  |
|                    | Sumatera Utara      | -0.004 | 0.028  |
|                    | Sumatera Barat      | -0.004 | 0.027  |
|                    | Riau                | -0.003 | 0.027  |
|                    | Jambi               | -0.004 | 0.026  |
|                    | Sumatera Selatan    | -0.004 | 0.026  |
|                    | Bengkulu            | -0.003 | 0.027  |
|                    | Lampung             | -0.005 | 0.026  |
|                    | Bangka Belitung     | -0.002 | 0.025  |
|                    | Kepulauan Riau      | -0.003 | 0.029  |
|                    | DKI Jakarta         | -0.005 | 0.034  |
|                    | Jawa Barat          | -0.005 | 0.031  |
|                    | Jawa Tengah         | -0.004 | 0.031  |
|                    | DI Yogyakarta       | -0.004 | 0.034  |
|                    | Jawa Timur          | -0.003 | 0.030  |
|                    | Banten              | -0.006 | 0.029  |
|                    | Bali                | 0.000  | 0.030  |
|                    | Nusa Tenggara Barat | 0.003  | 0.026  |
|                    | Nusa Tenggara Timur | 0.004  | 0.025  |
|                    | Kalimantan Barat    | 0.001  | 0.023  |
|                    | Kalimantan Tengah   | 0.002  | 0.026  |
|                    | Kalimantan Selatan  | 0.002  | 0.024  |
|                    | Kalimantan Timur    | 0.003  | 0.023  |
|                    | Kalimantan Utara    | 0.002  | 0.026  |
|                    | Sulawesi Utara      | 0.005  | 0.028  |
|                    | Sulawesi Tengah     | 0.005  | 0.023  |
|                    | Sulawesi Selatan    | 0.006  | 0.023  |
|                    | Sulawesi Tenggara   | 0.005  | 0.023  |
|                    | Gorontalo           | 0.006  | 0.025  |
|                    | Sulawesi Barat      | 0.004  | 0.022  |
|                    | Maluku              | 0.004  | 0.027  |
|                    | Maluku Utara        | 0.005  | 0.026  |
|                    | Papua Barat         | 0.004  | 0.032  |
|                    | Papua               | 0.004  | 0.035  |
| Transport injuries | Aceh                | -0.001 | 0.030  |
|                    | Sumatera Utara      | 0.000  | 0.027  |
|                    | Sumatera Barat      | 0.000  | 0.025  |
|                    | Riau                | -0.001 | 0.026  |
|                    | Jambi               | -0.001 | 0.025  |
|                    | Sumatera Selatan    | -0.001 | 0.025  |
|                    | Bengkulu            | -0.001 | 0.026  |
|                    | Lampung             | -0.002 | 0.025  |
|                    | Bangka Belitung     | -0.001 | 0.024  |
|                    | Kepulauan Riau      | -0.002 | 0.028  |
|                    | DKI Jakarta         | -0.002 | 0.032  |
|                    | Jawa Barat          | -0.003 | 0.030  |
|                    | Jawa Tengah         | -0.003 | 0.030  |
|                    | DI Yogyakarta       | -0.001 | 0.032  |
|                    | Jawa Timur          | -0.002 | 0.029  |
|                    | Banten              | -0.003 | 0.028  |
|                    | Bali                | 0.000  | 0.030  |

Aim 2 Supplementary Tables

| Cause group                  | Province            | Mean   | St Dev |
|------------------------------|---------------------|--------|--------|
| Transport injuries           | Nusa Tenggara Barat | 0.002  | 0.025  |
|                              | Nusa Tenggara Timur | 0.001  | 0.024  |
|                              | Kalimantan Barat    | 0.001  | 0.022  |
|                              | Kalimantan Tengah   | 0.000  | 0.025  |
|                              | Kalimantan Selatan  | 0.001  | 0.023  |
|                              | Kalimantan Timur    | 0.001  | 0.022  |
|                              | Kalimantan Utara    | 0.001  | 0.025  |
|                              | Sulawesi Utara      | 0.003  | 0.027  |
|                              | Sulawesi Tengah     | 0.002  | 0.022  |
|                              | Sulawesi Selatan    | 0.002  | 0.022  |
|                              | Sulawesi Tenggara   | 0.001  | 0.022  |
|                              | Gorontalo           | 0.001  | 0.023  |
|                              | Sulawesi Barat      | 0.002  | 0.021  |
|                              | Maluku              | 0.001  | 0.026  |
|                              | Maluku Utara        | 0.002  | 0.025  |
|                              | Papua Barat         | 0.001  | 0.030  |
|                              | Papua               | 0.001  | 0.034  |
| Other unintentional injuries | Aceh                | 0.003  | 0.030  |
|                              | Sumatera Utara      | 0.000  | 0.026  |
|                              | Sumatera Barat      | 0.001  | 0.025  |
|                              | Riau                | 0.001  | 0.025  |
|                              | Jambi               | 0.000  | 0.024  |
|                              | Sumatera Selatan    | 0.000  | 0.024  |
|                              | Bengkulu            | 0.001  | 0.025  |
|                              | Lampung             | 0.001  | 0.024  |
|                              | Bangka Belitung     | 0.002  | 0.024  |
|                              | Kepulauan Riau      | 0.002  | 0.027  |
|                              | DKI Jakarta         | 0.001  | 0.032  |
|                              | Jawa Barat          | 0.001  | 0.029  |
|                              | Jawa Tengah         | 0.002  | 0.029  |
|                              | DI Yogyakarta       | 0.002  | 0.032  |
|                              | Jawa Timur          | 0.001  | 0.028  |
|                              | Banten              | 0.001  | 0.027  |
|                              | Bali                | 0.001  | 0.029  |
|                              | Nusa Tenggara Barat | 0.001  | 0.025  |
|                              | Nusa Tenggara Timur | -0.002 | 0.024  |
|                              | Kalimantan Barat    | 0.000  | 0.022  |
|                              | Kalimantan Tengah   | 0.001  | 0.025  |
|                              | Kalimantan Selatan  | 0.000  | 0.023  |
|                              | Kalimantan Timur    | -0.001 | 0.021  |
|                              | Kalimantan Utara    | 0.000  | 0.025  |
|                              | Sulawesi Utara      | -0.004 | 0.027  |
|                              | Sulawesi Tengah     | -0.002 | 0.021  |
|                              | Sulawesi Selatan    | -0.001 | 0.021  |
|                              | Sulawesi Tenggara   | -0.002 | 0.022  |
|                              | Gorontalo           | -0.002 | 0.023  |
|                              | Sulawesi Barat      | -0.001 | 0.021  |
|                              | Maluku              | -0.002 | 0.026  |
|                              | Maluku Utara        | -0.002 | 0.025  |
|                              | Papua Barat         | -0.002 | 0.030  |
|                              | Papua               | -0.003 | 0.034  |

**Supplementary Table 5a. Covariate fixed effects estimated in each cause-specific ICAR model.**

| Cause group                                            | Covariate                                           | Mean   | St Dev |
|--------------------------------------------------------|-----------------------------------------------------|--------|--------|
| Communicable, maternal, neonatal, nutritional diseases | (Intercept)                                         | -0.464 | 0.170  |
|                                                        | DTP3 Coverage (proportion)                          | -1.239 | 0.649  |
|                                                        | Education (years per capita)                        | -0.280 | 0.206  |
|                                                        | Health system access                                | -0.008 | 0.736  |
|                                                        | LDI per capita excluding oil and gas                | -0.120 | 0.364  |
|                                                        | Measles vaccination coverage (proportion)           | 0.557  | 0.635  |
|                                                        | Sex                                                 | 0.091  | 0.033  |
| Diarrheal diseases                                     | (Intercept)                                         | -3.871 | 0.379  |
|                                                        | Improved Water Source (proportion with access)      | 0.656  | 0.368  |
|                                                        | LDI per capita excluding oil and gas                | -1.087 | 0.414  |
|                                                        | Maternal education (years per capita)               | 0.988  | 0.493  |
|                                                        | Population Density (over 1000 ppl/sqkm, proportion) | 0.360  | 0.453  |
|                                                        | Population Density (under 150 ppl/sqkm, proportion) | 0.102  | 0.315  |
|                                                        | Sanitation (proportion with access)                 | -0.478 | 0.382  |
| HIV/AIDS                                               | Sex                                                 | -0.271 | 0.043  |
|                                                        | (Intercept)                                         | -5.359 | 0.993  |
|                                                        | Age 0-4 years                                       | -0.650 | 1.250  |
|                                                        | Age 5-19 years                                      | -0.714 | 0.692  |
|                                                        | Education (years per capita)                        | -0.647 | 1.167  |
|                                                        | Health system access 2                              | -0.679 | 1.309  |
|                                                        | Log LDI per capita excluding oil and gas            | 1.509  | 0.864  |
|                                                        | Modern contraception prevalence (proportion)        | -1.236 | 0.908  |
|                                                        | Sex                                                 | 0.106  | 0.156  |
| Lower respiratory infections                           | Tobacco (cigarettes per capita)                     | 0.895  | 0.616  |
|                                                        | (Intercept)                                         | -3.159 | 0.696  |
|                                                        | DTP3 Coverage (proportion)                          | 4.318  | 5.153  |
|                                                        | Education (years per capita)                        | -2.128 | 0.399  |
|                                                        | Healthcare access and quality index                 | 0.883  | 1.303  |
|                                                        | Hib3 Vaccine Coverage (proportion)                  | -5.627 | 5.612  |
|                                                        | Indoor Air Pollution (All Cooking Fuels)            | 0.631  | 0.631  |
|                                                        | LDI per capita excluding oil and gas                | -0.011 | 0.598  |
|                                                        | Maternal education (years per capita)               | 0.978  | 0.600  |
|                                                        | Outdoor Air Pollution (PM2.5)                       | 0.341  | 0.401  |
|                                                        | Sex                                                 | 0.121  | 0.098  |
|                                                        | Smoking Prevalence                                  | 0.255  | 0.197  |
| Malaria                                                | Tobacco (cigarettes per capita)                     | -0.786 | 0.335  |
|                                                        | (Intercept)                                         | -3.650 | 2.482  |
|                                                        | Education (years per capita)                        | 2.621  | 0.932  |
|                                                        | Elevation Under 100m (proportion)                   | 0.792  | 1.054  |
|                                                        | Health system access 2                              | -1.470 | 1.739  |
|                                                        | LDI per capita excluding oil and gas                | -3.478 | 1.780  |
|                                                        | Population in 0 to 15 latitude (proportion)         | -0.665 | 1.938  |
|                                                        | Rainfall Quintile 1 (proportion)                    | -1.186 | 1.206  |
|                                                        | Rainfall Quintile 5 (proportion)                    | -2.041 | 1.074  |
|                                                        | Sex                                                 | 0.089  | 0.198  |

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| Cause group                                           | Covariate                                           | Mean   | St Dev |
|-------------------------------------------------------|-----------------------------------------------------|--------|--------|
| Tuberculosis                                          | (Intercept)                                         | -3.294 | 0.780  |
|                                                       | Education (years per capita)                        | 0.758  | 0.321  |
|                                                       | Healthcare access and quality index                 | -1.739 | 0.810  |
|                                                       | Indoor Air Pollution (All Cooking Fuels)            | 0.354  | 0.549  |
|                                                       | LDI per capita excluding oil and gas                | 0.681  | 0.572  |
|                                                       | Population Density (over 1000 ppl/sqkm, proportion) | 0.265  | 0.419  |
|                                                       | Religion (binary, >50% Muslim)                      | 0.499  | 0.442  |
|                                                       | Sex                                                 | 0.074  | 0.110  |
|                                                       | Smoking Prevalence                                  | 0.376  | 0.151  |
|                                                       | Tobacco (cigarettes per capita)                     | -0.299 | 0.299  |
| Maternal disorders                                    | (Intercept)                                         | -3.347 | 0.805  |
|                                                       | Age-standardized fertility rate                     | 6.957  | 0.543  |
|                                                       | Antenatal Care (4 visits) Coverage (proportion)     | 1.626  | 0.910  |
|                                                       | Education (years per capita)                        | -6.295 | 1.281  |
|                                                       | Healthcare access and quality index                 | -1.050 | 0.926  |
|                                                       | In-Facility Delivery (proportion)                   | 0.460  | 0.663  |
|                                                       | LDI per capita excluding oil and gas                | 1.435  | 0.594  |
| Neonatal encephalopathy due to birth asphyxia, trauma | (Intercept)                                         | -3.579 | 18.267 |
|                                                       | Age 0-27 days                                       | 2.889  | 18.259 |
|                                                       | Age 1-4 years                                       | -1.580 | 18.261 |
|                                                       | Age 28-364 days                                     | -1.308 | 18.261 |
|                                                       | Antenatal Care (4 visits) Coverage (proportion)     | -0.700 | 0.730  |
|                                                       | In-Facility Delivery (proportion)                   | -0.970 | 0.600  |
|                                                       | LDI per capita excluding oil and gas                | -0.435 | 0.498  |
|                                                       | Live Births 35+ (proportion)                        | 0.938  | 0.484  |
|                                                       | Maternal education (years per capita)               | 0.599  | 0.668  |
|                                                       | Sex                                                 | 0.186  | 0.128  |
| Preterm birth complications                           | (Intercept)                                         | -4.841 | 18.273 |
|                                                       | Age 0-27 days                                       | 2.784  | 18.259 |
|                                                       | Age 1-4 years                                       | -2.511 | 18.263 |
|                                                       | Age 28-364 days                                     | -0.273 | 18.260 |
|                                                       | Antenatal Care (4 visits) Coverage (proportion)     | 1.798  | 0.977  |
|                                                       | In-Facility Delivery (proportion)                   | 0.332  | 0.732  |
|                                                       | LDI per capita excluding oil and gas                | 0.397  | 0.578  |
|                                                       | Live Births 35+ (proportion)                        | -0.004 | 0.554  |
|                                                       | Maternal education (years per capita)               | -0.270 | 0.783  |
|                                                       | Sex                                                 | -0.238 | 0.123  |
| Other neonatal disorders                              | (Intercept)                                         | -5.111 | 18.303 |
|                                                       | Age 0-27 days                                       | 3.208  | 18.267 |
|                                                       | Age 1-4 years                                       | -3.867 | 18.292 |
|                                                       | Age 28-364 days                                     | 0.662  | 18.268 |
|                                                       | Antenatal Care (4 visits) Coverage (proportion)     | -0.809 | 1.595  |
|                                                       | In-Facility Delivery (proportion)                   | -0.241 | 1.238  |
|                                                       | LDI per capita excluding oil and gas                | -0.548 | 0.903  |
|                                                       | Live Births 35+ (proportion)                        | -0.479 | 0.850  |
|                                                       | Maternal education (years per capita)               | 1.660  | 1.265  |

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| Cause group                                         | Covariate                                 | Mean   | St Dev |
|-----------------------------------------------------|-------------------------------------------|--------|--------|
| Communicable diseases except resp maternal neonatal | Sex                                       | 0.191  | 0.190  |
|                                                     | (Intercept)                               | -1.535 | 0.193  |
|                                                     | DTP3 Coverage (proportion)                | -1.149 | 0.627  |
|                                                     | Education (years per capita)              | -1.741 | 0.280  |
|                                                     | Health system access                      | 0.665  | 0.705  |
|                                                     | LDI per capita excluding oil and gas      | -0.374 | 0.348  |
|                                                     | Measles vaccination coverage (proportion) | 0.742  | 0.626  |
|                                                     | Sex                                       | 0.086  | 0.046  |

## Aim 2 Supplementary Tables

| Cause group                         | Covariate                                           | Mean    | St Dev |
|-------------------------------------|-----------------------------------------------------|---------|--------|
| Other communicable diseases         | (Intercept)                                         | -2.386  | 0.544  |
|                                     | DTP3 Coverage (proportion)                          | -1.118  | 0.783  |
|                                     | Education (years per capita)                        | -0.813  | 0.382  |
|                                     | Elevation Under 100m (proportion)                   | -0.175  | 0.285  |
|                                     | Health system access                                | 1.086   | 0.847  |
|                                     | LDI per capita excluding oil and gas                | -0.336  | 0.477  |
|                                     | Measles vaccination coverage (proportion)           | 0.372   | 0.765  |
|                                     | Population in 0 to 15 latitude (proportion)         | -0.249  | 0.481  |
|                                     | Sex                                                 | 0.125   | 0.057  |
|                                     | (Intercept)                                         | -1.989  | 0.394  |
| All respiratory diseases            | Age 0-4 years                                       | 1.795   | 0.912  |
|                                     | Age 5-19 years                                      | -0.633  | 0.656  |
|                                     | Education (years per capita)                        | 0.450   | 0.224  |
|                                     | Elevation 500 to 1500m (proportion)                 | 0.124   | 0.179  |
|                                     | Elevation Over 1500m (proportion)                   | 0.498   | 0.289  |
|                                     | Healthcare access and quality index                 | -1.096  | 0.438  |
|                                     | Indoor Air Pollution (All Cooking Fuels)            | 0.290   | 0.305  |
|                                     | LDI per capita excluding oil and gas                | 0.488   | 0.319  |
|                                     | Population Density (over 1000 ppl/sqkm, proportion) | 0.158   | 0.220  |
|                                     | Sex                                                 | 0.269   | 0.067  |
|                                     | Smoking Prevalence                                  | 0.113   | 0.098  |
|                                     | Tobacco (cigarettes per capita)                     | -0.258  | 0.158  |
|                                     | (Intercept)                                         | -0.367  | 0.131  |
| Non-communicable diseases           | Age 0-4 years                                       | -0.540  | 0.324  |
|                                     | Age 5-19 years                                      | -0.102  | 0.185  |
|                                     | Education (years per capita)                        | 1.344   | 0.192  |
|                                     | Healthcare access and quality index                 | 1.035   | 0.287  |
|                                     | LDI per capita excluding oil and gas                | -0.481  | 0.235  |
|                                     | Sex                                                 | -0.226  | 0.060  |
|                                     | Smoking Prevalence                                  | -0.357  | 0.088  |
|                                     | (Intercept)                                         | -6.404  | 1.040  |
| Tracheal, bronchus, and lung cancer | Cumulative Cigarettes (10 Years)                    | 15.842  | 8.028  |
|                                     | Cumulative Cigarettes (15 Years)                    | -11.519 | 8.285  |
|                                     | Cumulative Cigarettes (20 Years)                    | 3.281   | 3.409  |
|                                     | Cumulative Cigarettes (5 Years)                     | -10.122 | 3.988  |
|                                     | Education (years per capita)                        | 0.277   | 1.048  |
|                                     | Healthcare access and quality index                 | 3.035   | 1.198  |
|                                     | Indoor Air Pollution (All Cooking Fuels)            | -0.398  | 0.970  |
|                                     | LDI per capita excluding oil and gas                | -0.796  | 0.874  |
|                                     | Outdoor Air Pollution (PM2.5)                       | -0.183  | 0.569  |
|                                     | Sex                                                 | 1.002   | 0.442  |
|                                     | Smoking Prevalence                                  | 0.565   | 0.762  |
|                                     | Tobacco (cigarettes per capita)                     | 0.007   | 0.455  |
|                                     | (Intercept)                                         | -4.373  | 0.568  |
|                                     | Age-standardized fertility rate                     | -0.194  | 0.780  |
|                                     | Cumulative Cigarettes (10 Years)                    | -2.867  | 1.388  |



Aim 2 Supplementary Tables

| Cause group   | Covariate                            | Mean   | St Dev |
|---------------|--------------------------------------|--------|--------|
| Breast cancer | Education (years per capita)         | 1.842  | 0.848  |
|               | LDI per capita excluding oil and gas | -0.024 | 0.419  |
|               | Religion (binary, >50% Muslim)       | -0.227 | 0.408  |
|               | Sex                                  | -3.361 | 0.538  |

Aim 2 Supplementary Tables

| Cause group               | Covariate                                         | Mean    | St Dev |
|---------------------------|---------------------------------------------------|---------|--------|
| Cervical cancer           | (Intercept)                                       | -3.355  | 0.726  |
|                           | Age-standardized fertility rate                   | 0.737   | 0.961  |
|                           | Cumulative Cigarettes (10 Years)                  | -29.402 | 11.157 |
|                           | Cumulative Cigarettes (5 Years)                   | 9.179   | 11.336 |
|                           | Education (years per capita)                      | -1.871  | 1.171  |
|                           | Healthcare access and quality index               | 0.552   | 1.281  |
|                           | LDI per capita excluding oil and gas              | 0.526   | 1.059  |
| Other malignant neoplasms | (Intercept)                                       | -2.792  | 0.448  |
|                           | Age 0-4 years                                     | -1.613  | 0.482  |
|                           | Age 5-19 years                                    | 0.247   | 0.236  |
|                           | Diabetes Age-Standardized Prevalence (proportion) | -0.636  | 0.578  |
|                           | Education (years per capita)                      | 0.656   | 0.353  |
|                           | Healthcare access and quality index               | 0.357   | 0.608  |
|                           | LDI per capita excluding oil and gas              | -0.171  | 0.529  |
|                           | Mean BMI                                          | -0.008  | 0.465  |
|                           | Religion (binary, >50% Muslim)                    | -0.474  | 0.340  |
|                           | Sex                                               | -0.026  | 0.179  |
|                           | Smoking Prevalence                                | 0.129   | 0.208  |
|                           | Tobacco (cigarettes per capita)                   | -0.414  | 0.268  |
| Neoplasms                 | (Intercept)                                       | -2.749  | 0.284  |
|                           | Age 0-4 years                                     | -1.736  | 0.518  |
|                           | Age 5-19 years                                    | -0.017  | 0.243  |
|                           | Education (years per capita)                      | 0.927   | 0.328  |
|                           | Healthcare access and quality index               | 0.380   | 0.573  |
|                           | LDI per capita excluding oil and gas              | -0.301  | 0.482  |
|                           | Sex                                               | -0.114  | 0.135  |
|                           | Smoking Prevalence                                | -1.133  | 0.187  |
|                           | Tobacco (cigarettes per capita)                   | -0.362  | 0.262  |
| Cerebrovascular disease   | (Intercept)                                       | -2.994  | 0.270  |
|                           | Age 0-4 years                                     | -1.344  | 0.712  |
|                           | Age 5-19 years                                    | -0.133  | 0.317  |
|                           | Education (years per capita)                      | -0.282  | 0.262  |
|                           | Elevation Over 1500m (proportion)                 | 0.302   | 0.307  |
|                           | Healthcare access and quality index               | 0.787   | 0.372  |
|                           | LDI per capita excluding oil and gas              | -0.525  | 0.295  |
|                           | Outdoor Air Pollution (PM2.5)                     | 0.054   | 0.172  |
|                           | Sex                                               | -0.258  | 0.089  |
|                           | Smoking Prevalence                                | 0.152   | 0.120  |
|                           | Systolic Blood Pressure (mmHg)                    | 0.087   | 0.190  |
|                           | Tobacco (cigarettes per capita)                   | 0.444   | 0.151  |
| Ischemic heart disease    | (Intercept)                                       | -3.845  | 0.309  |
|                           | Age 0-4 years                                     | -1.328  | 1.212  |
|                           | Age 5-19 years                                    | 0.337   | 0.306  |
|                           | Education (years per capita)                      | 0.720   | 0.299  |
|                           | Elevation Over 1500m (proportion)                 | -0.285  | 0.422  |
|                           | Healthcare access and quality index               | 0.764   | 0.468  |

Aim 2 Supplementary Tables

| Cause group            | Covariate                            | Mean   | St Dev |
|------------------------|--------------------------------------|--------|--------|
| Ischemic heart disease | LDI per capita excluding oil and gas | -0.255 | 0.375  |
|                        | Outdoor Air Pollution (PM2.5)        | 0.386  | 0.215  |
|                        | Sex                                  | -0.257 | 0.099  |
|                        | Smoking Prevalence                   | 0.754  | 0.130  |
|                        | Systolic Blood Pressure (mmHg)       | 0.394  | 0.224  |
|                        | Tobacco (cigarettes per capita)      | -0.250 | 0.193  |

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| Cause group                                   | Covariate                                         | Mean   | St Dev |
|-----------------------------------------------|---------------------------------------------------|--------|--------|
| Other cardiovascular and circulatory diseases | (Intercept)                                       | -3.124 | 0.688  |
|                                               | Age 0-4 years                                     | -1.812 | 0.825  |
|                                               | Age 5-19 years                                    | -0.230 | 0.384  |
|                                               | Diabetes Fasting Plasma Glucose (mmol/L)          | -0.004 | 0.421  |
|                                               | Education (years per capita)                      | 0.659  | 0.449  |
|                                               | Healthcare access and quality index               | -0.101 | 0.826  |
|                                               | Indoor Air Pollution (All Cooking Fuels)          | -0.793 | 0.565  |
|                                               | LDI per capita excluding oil and gas              | -0.364 | 0.699  |
|                                               | Mean BMI                                          | -0.673 | 0.533  |
|                                               | Sex                                               | -0.360 | 0.195  |
|                                               | Smoking Prevalence                                | -0.198 | 0.226  |
|                                               | Tobacco (cigarettes per capita)                   | 0.223  | 0.308  |
| Diabetes mellitus                             | (Intercept)                                       | -4.666 | 0.358  |
|                                               | Age 0-4 years                                     | -3.620 | 1.991  |
|                                               | Age 5-19 years                                    | 0.468  | 0.480  |
|                                               | Diabetes Age-Standardized Prevalence (proportion) | 1.432  | 0.400  |
|                                               | Diabetes Fasting Plasma Glucose (mmol/L)          | -0.247 | 0.264  |
|                                               | Education (years per capita)                      | 0.551  | 0.396  |
|                                               | energy unadjusted(kcal)                           | 0.686  | 3.477  |
|                                               | fruits adjusted(g)                                | -1.602 | 3.108  |
|                                               | Healthcare access and quality index               | 0.279  | 0.447  |
|                                               | Log LDI per capita excluding oil and gas          | 1.384  | 0.927  |
|                                               | Mean BMI                                          | 0.353  | 0.396  |
|                                               | Sex                                               | -0.443 | 0.127  |
|                                               | Systolic Blood Pressure (mmHg)                    | 0.422  | 0.268  |
| Chronic kidney disease                        | (Intercept)                                       | -4.609 | 0.336  |
|                                               | Age 0-4 years                                     | -1.012 | 0.626  |
|                                               | Age 5-19 years                                    | -0.260 | 0.298  |
|                                               | Diabetes Fasting Plasma Glucose (mmol/L)          | -0.252 | 0.266  |
|                                               | Education (years per capita)                      | 1.174  | 0.404  |
|                                               | energy unadjusted(kcal)                           | -0.561 | 0.617  |
|                                               | Healthcare access and quality index               | 1.342  | 0.508  |
|                                               | LDI per capita excluding oil and gas              | -0.764 | 0.480  |
|                                               | Mean BMI                                          | 0.762  | 0.531  |
|                                               | Sex                                               | 0.008  | 0.144  |
|                                               | Systolic Blood Pressure (mmHg)                    | 0.369  | 0.359  |
| Cirrhosis                                     | (Intercept)                                       | -3.036 | 0.352  |
|                                               | Age 0-4 years                                     | -0.966 | 0.674  |
|                                               | Age 5-19 years                                    | -0.211 | 0.309  |
|                                               | Diabetes Age-Standardized Prevalence (proportion) | 0.165  | 0.544  |
|                                               | Education (years per capita)                      | -0.834 | 0.413  |
|                                               | LDI per capita excluding oil and gas              | 0.262  | 0.400  |
|                                               | Mean BMI                                          | -0.599 | 0.449  |
|                                               | Religion (binary, >50% Muslim)                    | 0.031  | 0.287  |
|                                               | Sex                                               | 0.340  | 0.123  |

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| Cause group                                                 | Covariate                                           | Mean   | St Dev |
|-------------------------------------------------------------|-----------------------------------------------------|--------|--------|
| Chronic respiratory diseases                                | (Intercept)                                         | -3.385 | 0.372  |
|                                                             | Age 0-4 years                                       | -0.766 | 0.635  |
|                                                             | Age 5-19 years                                      | -0.595 | 0.324  |
|                                                             | Education (years per capita)                        | 0.419  | 0.348  |
|                                                             | Elevation 500 to 1500m (proportion)                 | 0.601  | 0.188  |
|                                                             | Elevation Over 1500m (proportion)                   | -0.414 | 0.383  |
|                                                             | Healthcare access and quality index                 | -0.528 | 0.445  |
|                                                             | Indoor Air Pollution (All Cooking Fuels)            | 0.252  | 0.304  |
|                                                             | LDI per capita excluding oil and gas                | 0.565  | 0.317  |
|                                                             | Population Density (over 1000 ppl/sqkm, proportion) | -0.490 | 0.239  |
|                                                             | Sex                                                 | 0.686  | 0.127  |
|                                                             | Smoking Prevalence                                  | -0.625 | 0.185  |
|                                                             | Tobacco (cigarettes per capita)                     | -0.136 | 0.164  |
| Other non-communicable diseases and cardiovascular diseases | (Intercept)                                         | -1.198 | 0.149  |
|                                                             | Age 0-4 years                                       | 0.414  | 0.267  |
|                                                             | Age 5-19 years                                      | 0.229  | 0.143  |
|                                                             | Education (years per capita)                        | 0.001  | 0.166  |
|                                                             | Healthcare access and quality index                 | 0.655  | 0.295  |
|                                                             | LDI per capita excluding oil and gas                | -0.260 | 0.234  |
|                                                             | Sex                                                 | -0.291 | 0.057  |
|                                                             | Smoking Prevalence                                  | 0.379  | 0.082  |
|                                                             | Tobacco (cigarettes per capita)                     | 0.239  | 0.126  |
| Other non-communicable diseases                             | (Intercept)                                         | -2.177 | 0.182  |
|                                                             | Age 0-4 years                                       | 0.206  | 0.321  |
|                                                             | Age 5-19 years                                      | 0.110  | 0.184  |
|                                                             | Education (years per capita)                        | 0.186  | 0.231  |
|                                                             | Healthcare access and quality index                 | -0.349 | 0.350  |
|                                                             | LDI per capita excluding oil and gas                | -0.149 | 0.278  |
|                                                             | Sex                                                 | -0.140 | 0.075  |
|                                                             | Smoking Prevalence                                  | -0.034 | 0.120  |
|                                                             | Tobacco (cigarettes per capita)                     | 0.097  | 0.146  |
| Injuries                                                    | (Intercept)                                         | -2.168 | 0.526  |
|                                                             | Coastal Population within 10km (proportion)         | -0.071 | 0.349  |
|                                                             | Education (years per capita)                        | -1.833 | 0.333  |
|                                                             | Healthcare access and quality index                 | -0.031 | 0.703  |
|                                                             | LDI per capita excluding oil and gas                | -0.393 | 0.814  |
|                                                             | Population over age 65 (proportion)                 | 0.414  | 0.394  |
|                                                             | Religion (binary, >50% Muslim)                      | -0.121 | 0.352  |
|                                                             | Sex                                                 | 0.950  | 0.069  |
|                                                             | Vehicles - 2 wheels (per capita)                    | 2.589  | 7.923  |
|                                                             | Vehicles - 4 wheels (per capita)                    | -2.068 | 8.197  |
| Drowning                                                    | (Intercept)                                         | -3.519 | 1.017  |
|                                                             | Coastal Population within 10km (proportion)         | -0.783 | 0.839  |
|                                                             | Education (years per capita)                        | -4.199 | 1.131  |
|                                                             | Elevation Under 100m (proportion)                   | 0.496  | 0.435  |
|                                                             | LDI per capita excluding oil and gas                | -1.645 | 0.824  |

Aim 2 Supplementary Tables

| Cause group | Covariate                        | Mean   | St Dev |
|-------------|----------------------------------|--------|--------|
|             | Rainfall Quintile 1 (proportion) | 0.057  | 0.677  |
|             | Rainfall Quintile 5 (proportion) | 0.370  | 0.494  |
|             | Religion (binary, >50% Muslim)   | -0.295 | 0.662  |
|             | Sex                              | 0.982  | 0.154  |

Aim 2 Supplementary Tables

| Cause group                  | Covariate                                           | Mean   | St Dev |
|------------------------------|-----------------------------------------------------|--------|--------|
| Falls                        | (Intercept)                                         | -3.296 | 0.444  |
|                              | Education (years per capita)                        | -2.669 | 0.653  |
|                              | Elevation Over 1500m (proportion)                   | 0.023  | 0.644  |
|                              | LDI per capita excluding oil and gas                | 2.506  | 0.883  |
|                              | In-Milk (kcal per capita)                           | -1.180 | 0.858  |
|                              | Religion (binary, >50% Muslim)                      | -0.449 | 0.371  |
|                              | Sex                                                 | 0.657  | 0.121  |
| Interpersonal violence       | (Intercept)                                         | -5.309 | 0.797  |
|                              | Education (years per capita)                        | 1.872  | 1.289  |
|                              | LDI per capita excluding oil and gas                | 0.464  | 0.796  |
|                              | Population Density (over 1000 ppl/sqkm, proportion) | -2.604 | 0.564  |
|                              | Religion (binary, >50% Muslim)                      | -1.161 | 0.519  |
|                              | Sex                                                 | 0.120  | 0.220  |
| Self-harm                    | (Intercept)                                         | -5.862 | 19.410 |
|                              | Education (years per capita)                        | 2.594  | 0.940  |
|                              | LDI per capita excluding oil and gas                | -2.024 | 0.862  |
|                              | Population Density (150-300 ppl/sqkm, proportion)   | 0.559  | 8.660  |
|                              | Population Density (300-500 ppl/sqkm, proportion)   | 0.538  | 7.115  |
|                              | Population Density (500-1000 ppl/sqkm, proportion)  | 0.266  | 11.058 |
|                              | Population Density (over 1000 ppl/sqkm, proportion) | -0.776 | 19.399 |
|                              | Population Density (under 150 ppl/sqkm, proportion) | 0.178  | 19.398 |
|                              | Religion (binary, >50% Muslim)                      | -1.158 | 0.502  |
|                              | Sex                                                 | 0.280  | 0.175  |
| Transport injuries           | (Intercept)                                         | -4.304 | 0.600  |
|                              | Education (years per capita)                        | -1.464 | 0.475  |
|                              | Healthcare access and quality index                 | 0.058  | 0.683  |
|                              | LDI per capita excluding oil and gas                | -0.614 | 0.686  |
|                              | Population Density (300-500 ppl/sqkm, proportion)   | 0.291  | 0.344  |
|                              | Population Density (500-1000 ppl/sqkm, proportion)  | -0.059 | 0.241  |
|                              | Religion (binary, >50% Muslim)                      | 0.638  | 0.483  |
|                              | Sex                                                 | 0.971  | 0.065  |
|                              | Vehicles - 2 wheels fraction (proportion)           | 0.884  | 0.617  |
| Other unintentional injuries | (Intercept)                                         | -3.739 | 0.447  |
|                              | Education (years per capita)                        | -0.118 | 0.599  |
|                              | Elevation Over 1500m (proportion)                   | -1.020 | 0.672  |
|                              | Elevation Under 100m (proportion)                   | -0.426 | 0.308  |
|                              | Healthcare access and quality index                 | 0.354  | 0.721  |
|                              | LDI per capita excluding oil and gas                | -2.355 | 1.044  |
|                              | Population Density (over 1000 ppl/sqkm, proportion) | -1.715 | 0.382  |
|                              | Population Density (under 150 ppl/sqkm, proportion) | 0.049  | 0.254  |
|                              | Religion (binary, >50% Muslim)                      | -0.663 | 0.253  |
|                              | Sex                                                 | 0.700  | 0.106  |
|                              | Vehicles - 2 wheels (per capita)                    | -7.741 | 7.987  |
|                              | Vehicles - 4 wheels (per capita)                    | 9.643  | 8.028  |

Supplementary Table 5b. Age random effects estimated in each cause-specific ICAR model.

| Cause group                                                | Age* | Mean   | St Dev |
|------------------------------------------------------------|------|--------|--------|
| Communicable, maternal, neonatal, and nutritional diseases | NN   | 2.238  | 0.098  |
|                                                            | PNN  | 2.182  | 0.093  |
|                                                            | 1    | 1.688  | 0.122  |
|                                                            | 5    | 0.635  | 0.117  |
|                                                            | 10   | 0.193  | 0.088  |
|                                                            | 15   | -0.212 | 0.084  |
|                                                            | 20   | 0.162  | 0.092  |
|                                                            | 25   | 0.274  | 0.089  |
|                                                            | 30   | 0.009  | 0.081  |
|                                                            | 35   | -0.215 | 0.074  |
|                                                            | 40   | -0.578 | 0.067  |
|                                                            | 45   | -0.764 | 0.056  |
|                                                            | 50   | -0.848 | 0.045  |
|                                                            | 55   | -0.987 | 0.043  |
|                                                            | 60   | -0.930 | 0.037  |
|                                                            | 65   | -0.837 | 0.037  |
|                                                            | 70   | -0.725 | 0.039  |
| Diarrheal diseases                                         | 75   | -0.760 | 0.048  |
|                                                            | 80   | -0.522 | 0.055  |
|                                                            | NN   | 0.940  | 0.099  |
|                                                            | PNN  | 0.966  | 0.085  |
|                                                            | 1    | 1.184  | 0.133  |
|                                                            | 5    | 1.160  | 0.158  |
|                                                            | 10   | 0.396  | 0.151  |
|                                                            | 15   | -0.491 | 0.204  |
|                                                            | 20   | -0.643 | 0.169  |
|                                                            | 25   | -0.479 | 0.148  |
|                                                            | 30   | -0.448 | 0.138  |
|                                                            | 35   | -0.657 | 0.132  |
|                                                            | 40   | -0.744 | 0.122  |
|                                                            | 45   | -0.785 | 0.110  |
|                                                            | 50   | -0.667 | 0.094  |
|                                                            | 55   | -0.605 | 0.089  |
|                                                            | 60   | -0.561 | 0.085  |
| HIV/AIDS                                                   | 65   | -0.092 | 0.071  |
|                                                            | 70   | 0.250  | 0.059  |
|                                                            | 75   | 0.437  | 0.062  |
|                                                            | 80   | 0.910  | 0.055  |
|                                                            | PNN  | 1.402  | 1.192  |
|                                                            | 1    | 1.393  | 1.096  |
|                                                            | 5    | 1.344  | 0.740  |
|                                                            | 10   | 1.265  | 0.515  |
|                                                            | 15   | 1.315  | 0.431  |
|                                                            | 20   | 1.563  | 0.447  |
|                                                            | 25   | 2.017  | 0.485  |
|                                                            | 30   | 1.975  | 0.457  |
|                                                            | 35   | 1.676  | 0.422  |
|                                                            | 40   | 0.942  | 0.383  |
|                                                            | 45   | 0.099  | 0.350  |
|                                                            | 50   | -0.956 | 0.340  |
|                                                            | 55   | -1.806 | 0.365  |
|                                                            | 60   | -2.364 | 0.394  |
|                                                            | 65   | -2.425 | 0.381  |
|                                                            | 70   | -2.281 | 0.424  |
|                                                            | 75   | -2.478 | 0.455  |
|                                                            | 80   | -2.560 | 0.607  |



Aim 2 Supplementary Tables

| Cause group                  | Age* | Mean   | St Dev |
|------------------------------|------|--------|--------|
| Lower respiratory infections | NN   | 1.024  | 0.153  |
|                              | PNN  | 1.021  | 0.152  |
|                              | 1    | 0.986  | 0.142  |
|                              | 5    | 0.811  | 0.109  |
|                              | 10   | 0.581  | 0.089  |
|                              | 15   | 0.316  | 0.098  |
|                              | 20   | 0.086  | 0.122  |
|                              | 25   | -0.101 | 0.135  |
|                              | 30   | -0.271 | 0.138  |
|                              | 35   | -0.412 | 0.132  |
|                              | 40   | -0.523 | 0.121  |
|                              | 45   | -0.583 | 0.105  |
|                              | 50   | -0.594 | 0.089  |
|                              | 55   | -0.561 | 0.076  |
|                              | 60   | -0.479 | 0.066  |
|                              | 65   | -0.400 | 0.067  |
|                              | 70   | -0.338 | 0.074  |
| Malaria                      | 75   | -0.301 | 0.086  |
|                              | 80   | -0.255 | 0.110  |
|                              | NN   | 0.514  | 0.394  |
|                              | PNN  | 0.514  | 0.391  |
|                              | 1    | 0.508  | 0.359  |
|                              | 5    | 0.482  | 0.240  |
|                              | 10   | 0.426  | 0.169  |
|                              | 15   | 0.329  | 0.191  |
|                              | 20   | 0.190  | 0.235  |
|                              | 25   | 0.029  | 0.263  |
|                              | 30   | -0.146 | 0.269  |
|                              | 35   | -0.295 | 0.261  |
|                              | 40   | -0.394 | 0.242  |
|                              | 45   | -0.462 | 0.217  |
|                              | 50   | -0.475 | 0.191  |
|                              | 55   | -0.424 | 0.165  |
|                              | 60   | -0.323 | 0.157  |
| Tuberculosis                 | 65   | -0.261 | 0.162  |
|                              | 70   | -0.191 | 0.191  |
|                              | 75   | -0.073 | 0.247  |
|                              | 80   | 0.079  | 0.342  |
|                              | PNN  | -0.723 | 0.217  |
|                              | 1    | -0.672 | 0.198  |
|                              | 5    | -0.454 | 0.136  |
|                              | 10   | -0.203 | 0.091  |
|                              | 15   | 0.056  | 0.082  |
|                              | 20   | 0.283  | 0.113  |
|                              | 25   | 0.358  | 0.123  |
|                              | 30   | 0.314  | 0.112  |
|                              | 35   | 0.227  | 0.100  |
|                              | 40   | 0.117  | 0.085  |
|                              | 45   | 0.068  | 0.073  |
|                              | 50   | 0.040  | 0.063  |
|                              | 55   | -0.002 | 0.053  |
|                              | 60   | 0.087  | 0.049  |
|                              | 65   | 0.156  | 0.050  |
|                              | 70   | 0.184  | 0.058  |
|                              | 75   | 0.109  | 0.074  |
|                              | 80   | 0.061  | 0.094  |

Aim 2 Supplementary Tables

| Cause group                                             | Age* | Mean   | St Dev |
|---------------------------------------------------------|------|--------|--------|
| Maternal disorders                                      | 10   | -0.973 | 0.649  |
|                                                         | 15   | 0.325  | 0.243  |
|                                                         | 20   | 0.252  | 0.296  |
|                                                         | 25   | 0.152  | 0.294  |
|                                                         | 30   | 0.847  | 0.215  |
|                                                         | 35   | 1.294  | 0.181  |
|                                                         | 40   | 0.915  | 0.232  |
|                                                         | 45   | -0.595 | 0.305  |
|                                                         | 50   | -2.070 | 0.489  |
|                                                         | NN   | -1.824 | 0.193  |
| Communicable diseases other than resp maternal neonatal | PNN  | 1.103  | 0.136  |
|                                                         | 1    | 1.182  | 0.130  |
|                                                         | 5    | 0.847  | 0.146  |
|                                                         | 10   | 0.912  | 0.104  |
|                                                         | 15   | 0.586  | 0.116  |
|                                                         | 20   | 0.846  | 0.127  |
|                                                         | 25   | 0.797  | 0.125  |
|                                                         | 30   | 0.362  | 0.121  |
|                                                         | 35   | 0.057  | 0.114  |
|                                                         | 40   | -0.118 | 0.102  |
| Other communicable diseases                             | 45   | -0.420 | 0.087  |
|                                                         | 50   | -0.574 | 0.071  |
|                                                         | 55   | -0.658 | 0.066  |
|                                                         | 60   | -0.855 | 0.062  |
|                                                         | 65   | -0.720 | 0.057  |
|                                                         | 70   | -0.635 | 0.057  |
|                                                         | 75   | -0.587 | 0.067  |
|                                                         | 80   | -0.272 | 0.074  |
|                                                         | NN   | 0.108  | 0.167  |
|                                                         | PNN  | 0.253  | 0.160  |
|                                                         | 1    | 1.412  | 0.173  |
|                                                         | 5    | 1.368  | 0.181  |
|                                                         | 10   | 1.269  | 0.116  |
|                                                         | 15   | 0.760  | 0.140  |
|                                                         | 20   | 0.961  | 0.159  |
|                                                         | 25   | 0.810  | 0.160  |
|                                                         | 30   | 0.323  | 0.154  |
|                                                         | 35   | 0.109  | 0.144  |
|                                                         | 40   | -0.118 | 0.130  |
|                                                         | 45   | -0.366 | 0.110  |
|                                                         | 50   | -0.556 | 0.091  |
|                                                         | 55   | -0.660 | 0.087  |
|                                                         | 60   | -1.008 | 0.088  |
|                                                         | 65   | -1.109 | 0.091  |
|                                                         | 70   | -1.130 | 0.092  |
|                                                         | 75   | -1.206 | 0.111  |
|                                                         | 80   | -1.181 | 0.122  |

Aim 2 Supplementary Tables

| Cause group                         | Age* | Mean   | St Dev |
|-------------------------------------|------|--------|--------|
| All respiratory diseases            | NN   | -1.724 | 0.733  |
|                                     | PNN  | -1.651 | 0.724  |
|                                     | 1    | -1.019 | 0.656  |
|                                     | 5    | 0.773  | 0.485  |
|                                     | 10   | 0.686  | 0.486  |
|                                     | 15   | 0.285  | 0.450  |
|                                     | 20   | 0.160  | 0.241  |
|                                     | 25   | 0.313  | 0.254  |
|                                     | 30   | 0.211  | 0.248  |
|                                     | 35   | 0.133  | 0.245  |
|                                     | 40   | -0.056 | 0.242  |
|                                     | 45   | -0.016 | 0.239  |
|                                     | 50   | 0.036  | 0.236  |
|                                     | 55   | -0.028 | 0.235  |
|                                     | 60   | 0.236  | 0.234  |
|                                     | 65   | 0.308  | 0.233  |
|                                     | 70   | 0.492  | 0.234  |
| Non-communicable diseases           | 75   | 0.420  | 0.235  |
|                                     | 80   | 0.445  | 0.238  |
|                                     | NN   | -1.091 | 0.279  |
|                                     | PNN  | -1.088 | 0.275  |
|                                     | 1    | -1.059 | 0.247  |
|                                     | 5    | -0.999 | 0.176  |
|                                     | 10   | -1.078 | 0.158  |
|                                     | 15   | -1.262 | 0.119  |
|                                     | 20   | -1.196 | 0.102  |
|                                     | 25   | -0.879 | 0.114  |
|                                     | 30   | -0.484 | 0.109  |
|                                     | 35   | -0.092 | 0.104  |
|                                     | 40   | 0.388  | 0.097  |
|                                     | 45   | 0.691  | 0.091  |
|                                     | 50   | 0.944  | 0.086  |
|                                     | 55   | 1.165  | 0.084  |
|                                     | 60   | 1.233  | 0.081  |
| Tracheal, bronchus, and lung cancer | 65   | 1.226  | 0.080  |
|                                     | 70   | 1.209  | 0.080  |
|                                     | 75   | 1.258  | 0.084  |
|                                     | 80   | 1.115  | 0.086  |
|                                     | 15   | -0.253 | 0.394  |
|                                     | 20   | -0.078 | 0.317  |
|                                     | 25   | 0.081  | 0.277  |
|                                     | 30   | 0.225  | 0.250  |
|                                     | 35   | 0.362  | 0.223  |
|                                     | 40   | 0.471  | 0.199  |
|                                     | 45   | 0.500  | 0.172  |
|                                     | 50   | 0.438  | 0.147  |
|                                     | 55   | 0.290  | 0.140  |
|                                     | 60   | 0.077  | 0.165  |
|                                     | 65   | -0.164 | 0.218  |
|                                     | 70   | -0.405 | 0.280  |
|                                     | 75   | -0.646 | 0.346  |
|                                     | 80   | -0.877 | 0.424  |

Aim 2 Supplementary Tables

| Cause group               | Age* | Mean   | St Dev |
|---------------------------|------|--------|--------|
| Breast cancer             | 15   | -1.585 | 0.557  |
|                           | 20   | -0.750 | 0.433  |
|                           | 25   | 0.003  | 0.375  |
|                           | 30   | 0.549  | 0.296  |
|                           | 35   | 0.904  | 0.198  |
|                           | 40   | 1.101  | 0.154  |
|                           | 45   | 1.107  | 0.166  |
|                           | 50   | 0.859  | 0.174  |
|                           | 55   | 0.595  | 0.186  |
|                           | 60   | 0.262  | 0.207  |
|                           | 65   | -0.132 | 0.243  |
|                           | 70   | -0.542 | 0.287  |
|                           | 75   | -0.979 | 0.334  |
|                           | 80   | -1.345 | 0.405  |
| Cervical cancer           | 15   | -1.065 | 0.602  |
|                           | 20   | -0.310 | 0.533  |
|                           | 25   | 0.340  | 0.496  |
|                           | 30   | 0.928  | 0.401  |
|                           | 35   | 1.473  | 0.269  |
|                           | 40   | 1.765  | 0.200  |
|                           | 45   | 1.560  | 0.185  |
|                           | 50   | 1.175  | 0.201  |
|                           | 55   | 0.655  | 0.227  |
|                           | 60   | 0.128  | 0.267  |
|                           | 65   | -0.510 | 0.324  |
|                           | 70   | -1.307 | 0.383  |
|                           | 75   | -2.040 | 0.438  |
|                           | 80   | -2.738 | 0.517  |
| Other malignant neoplasms | NN   | 0.164  | 0.352  |
|                           | PNN  | 0.164  | 0.349  |
|                           | 1    | 0.165  | 0.323  |
|                           | 5    | 0.162  | 0.226  |
|                           | 10   | 0.138  | 0.148  |
|                           | 15   | 0.126  | 0.125  |
|                           | 20   | 0.169  | 0.137  |
|                           | 25   | 0.266  | 0.153  |
|                           | 30   | 0.340  | 0.157  |
|                           | 35   | 0.364  | 0.149  |
|                           | 40   | 0.309  | 0.138  |
|                           | 45   | 0.182  | 0.126  |
|                           | 50   | 0.039  | 0.119  |
|                           | 55   | -0.104 | 0.117  |
|                           | 60   | -0.165 | 0.114  |
|                           | 65   | -0.289 | 0.118  |
|                           | 70   | -0.483 | 0.124  |
|                           | 75   | -0.676 | 0.135  |
|                           | 80   | -0.871 | 0.158  |

Aim 2 Supplementary Tables

| Cause group             | Age* | Mean   | St Dev |
|-------------------------|------|--------|--------|
| Neoplasms               | NN   | -0.319 | 0.396  |
|                         | PNN  | -0.317 | 0.393  |
|                         | 1    | -0.299 | 0.363  |
|                         | 5    | -0.235 | 0.248  |
|                         | 10   | -0.189 | 0.164  |
|                         | 15   | -0.108 | 0.138  |
|                         | 20   | 0.062  | 0.151  |
|                         | 25   | 0.321  | 0.169  |
|                         | 30   | 0.550  | 0.167  |
|                         | 35   | 0.732  | 0.155  |
|                         | 40   | 0.793  | 0.142  |
|                         | 45   | 0.680  | 0.132  |
|                         | 50   | 0.457  | 0.125  |
|                         | 55   | 0.213  | 0.124  |
|                         | 60   | 0.066  | 0.120  |
|                         | 65   | -0.158 | 0.122  |
|                         | 70   | -0.476 | 0.128  |
|                         | 75   | -0.758 | 0.137  |
|                         | 80   | -1.011 | 0.155  |
| Cerebrovascular disease | NN   | -2.347 | 0.403  |
|                         | PNN  | -2.338 | 0.401  |
|                         | 1    | -2.262 | 0.376  |
|                         | 5    | -1.923 | 0.274  |
|                         | 10   | -1.501 | 0.171  |
|                         | 15   | -1.076 | 0.107  |
|                         | 20   | -0.663 | 0.104  |
|                         | 25   | -0.259 | 0.131  |
|                         | 30   | 0.125  | 0.146  |
|                         | 35   | 0.486  | 0.150  |
|                         | 40   | 0.772  | 0.144  |
|                         | 45   | 1.015  | 0.139  |
|                         | 50   | 1.197  | 0.137  |
|                         | 55   | 1.348  | 0.138  |
|                         | 60   | 1.432  | 0.139  |
|                         | 65   | 1.491  | 0.143  |
|                         | 70   | 1.513  | 0.150  |
|                         | 75   | 1.488  | 0.156  |
|                         | 80   | 1.502  | 0.164  |
| Ischemic heart disease  | PNN  | -2.656 | 0.585  |
|                         | 1    | -2.556 | 0.548  |
|                         | 5    | -2.113 | 0.394  |
|                         | 10   | -1.559 | 0.229  |
|                         | 15   | -1.016 | 0.121  |
|                         | 20   | -0.543 | 0.128  |
|                         | 25   | -0.140 | 0.164  |
|                         | 30   | 0.180  | 0.167  |
|                         | 35   | 0.458  | 0.159  |
|                         | 40   | 0.722  | 0.160  |
|                         | 45   | 0.883  | 0.150  |
|                         | 50   | 0.991  | 0.142  |
|                         | 55   | 1.109  | 0.147  |
|                         | 60   | 1.157  | 0.146  |
|                         | 65   | 1.160  | 0.144  |
|                         | 70   | 1.231  | 0.151  |
|                         | 75   | 1.345  | 0.164  |
|                         | 80   | 1.350  | 0.166  |

Aim 2 Supplementary Tables

| Cause group                                   | Age* | Mean   | St Dev |
|-----------------------------------------------|------|--------|--------|
| Other cardiovascular and circulatory diseases | NN   | -0.851 | 0.462  |
|                                               | PNN  | -0.849 | 0.459  |
|                                               | 1    | -0.834 | 0.431  |
|                                               | 5    | -0.766 | 0.317  |
|                                               | 10   | -0.682 | 0.204  |
|                                               | 15   | -0.593 | 0.141  |
|                                               | 20   | -0.483 | 0.139  |
|                                               | 25   | -0.353 | 0.165  |
|                                               | 30   | -0.218 | 0.181  |
|                                               | 35   | -0.075 | 0.183  |
|                                               | 40   | 0.084  | 0.176  |
|                                               | 45   | 0.255  | 0.168  |
|                                               | 50   | 0.444  | 0.162  |
|                                               | 55   | 0.574  | 0.164  |
|                                               | 60   | 0.679  | 0.171  |
|                                               | 65   | 0.815  | 0.179  |
|                                               | 70   | 0.939  | 0.193  |
| Diabetes mellitus                             | 75   | 0.976  | 0.208  |
|                                               | 80   | 0.934  | 0.227  |
|                                               | NN   | -1.705 | 0.713  |
|                                               | PNN  | -1.702 | 0.708  |
|                                               | 1    | -1.674 | 0.661  |
|                                               | 5    | -1.549 | 0.474  |
|                                               | 10   | -1.396 | 0.295  |
|                                               | 15   | -1.230 | 0.194  |
|                                               | 20   | -0.957 | 0.201  |
|                                               | 25   | -0.576 | 0.247  |
|                                               | 30   | -0.137 | 0.269  |
|                                               | 35   | 0.367  | 0.265  |
|                                               | 40   | 0.927  | 0.245  |
|                                               | 45   | 1.336  | 0.235  |
|                                               | 50   | 1.537  | 0.232  |
|                                               | 55   | 1.594  | 0.230  |
|                                               | 60   | 1.478  | 0.231  |
| Chronic kidney disease                        | 65   | 1.268  | 0.234  |
|                                               | 70   | 0.994  | 0.242  |
|                                               | 75   | 0.818  | 0.246  |
|                                               | 80   | 0.612  | 0.257  |
|                                               | PNN  | 0.211  | 0.429  |
|                                               | 1    | 0.199  | 0.404  |
|                                               | 5    | 0.141  | 0.299  |
|                                               | 10   | 0.065  | 0.192  |
|                                               | 15   | -0.010 | 0.125  |
|                                               | 20   | -0.060 | 0.122  |
|                                               | 25   | -0.085 | 0.150  |
|                                               | 30   | -0.050 | 0.154  |
|                                               | 35   | 0.005  | 0.145  |
|                                               | 40   | 0.060  | 0.131  |
|                                               | 45   | 0.071  | 0.123  |
|                                               | 50   | 0.060  | 0.120  |
|                                               | 55   | 0.031  | 0.121  |
|                                               | 60   | -0.011 | 0.127  |
|                                               | 65   | -0.030 | 0.131  |
|                                               | 70   | -0.094 | 0.144  |
|                                               | 75   | -0.183 | 0.160  |
|                                               | 80   | -0.318 | 0.189  |

Aim 2 Supplementary Tables

| Cause group                                                 | Age* | Mean   | St Dev |
|-------------------------------------------------------------|------|--------|--------|
| Cirrhosis                                                   | 1    | -0.852 | 0.482  |
|                                                             | 5    | -0.593 | 0.352  |
|                                                             | 10   | -0.268 | 0.223  |
|                                                             | 15   | 0.024  | 0.141  |
|                                                             | 20   | 0.264  | 0.120  |
|                                                             | 25   | 0.456  | 0.138  |
|                                                             | 30   | 0.630  | 0.151  |
|                                                             | 35   | 0.699  | 0.144  |
|                                                             | 40   | 0.669  | 0.129  |
|                                                             | 45   | 0.544  | 0.109  |
|                                                             | 50   | 0.415  | 0.102  |
|                                                             | 55   | 0.250  | 0.103  |
|                                                             | 60   | 0.028  | 0.104  |
|                                                             | 65   | -0.246 | 0.108  |
|                                                             | 70   | -0.484 | 0.121  |
|                                                             | 75   | -0.663 | 0.138  |
|                                                             | 80   | -0.868 | 0.163  |
| Chronic respiratory diseases                                | 1    | -0.691 | 0.437  |
|                                                             | 5    | -0.628 | 0.326  |
|                                                             | 10   | -0.550 | 0.215  |
|                                                             | 15   | -0.484 | 0.137  |
|                                                             | 20   | -0.422 | 0.106  |
|                                                             | 25   | -0.361 | 0.119  |
|                                                             | 30   | -0.318 | 0.128  |
|                                                             | 35   | -0.290 | 0.125  |
|                                                             | 40   | -0.226 | 0.116  |
|                                                             | 45   | -0.097 | 0.106  |
|                                                             | 50   | 0.073  | 0.100  |
|                                                             | 55   | 0.260  | 0.098  |
|                                                             | 60   | 0.498  | 0.100  |
|                                                             | 65   | 0.679  | 0.106  |
|                                                             | 70   | 0.835  | 0.119  |
|                                                             | 75   | 0.871  | 0.131  |
|                                                             | 80   | 0.854  | 0.147  |
| Other non-communicable diseases and cardiovascular diseases | NN   | -1.249 | 0.211  |
|                                                             | PNN  | -1.245 | 0.209  |
|                                                             | 1    | -1.217 | 0.194  |
|                                                             | 5    | -1.092 | 0.137  |
|                                                             | 10   | -0.938 | 0.089  |
|                                                             | 15   | -0.784 | 0.067  |
|                                                             | 20   | -0.593 | 0.072  |
|                                                             | 25   | -0.364 | 0.083  |
|                                                             | 30   | -0.140 | 0.087  |
|                                                             | 35   | 0.082  | 0.083  |
|                                                             | 40   | 0.290  | 0.077  |
|                                                             | 45   | 0.466  | 0.073  |
|                                                             | 50   | 0.627  | 0.070  |
|                                                             | 55   | 0.793  | 0.067  |
|                                                             | 60   | 0.903  | 0.067  |
|                                                             | 65   | 1.000  | 0.068  |
|                                                             | 70   | 1.092  | 0.070  |
|                                                             | 75   | 1.170  | 0.074  |
|                                                             | 80   | 1.200  | 0.079  |

Aim 2 Supplementary Tables

| Cause group                     | Age* | Mean   | St Dev |
|---------------------------------|------|--------|--------|
| Other non-communicable diseases | NN   | 0.336  | 0.263  |
|                                 | PNN  | 0.335  | 0.261  |
|                                 | 1    | 0.325  | 0.242  |
|                                 | 5    | 0.279  | 0.171  |
|                                 | 10   | 0.217  | 0.118  |
|                                 | 15   | 0.114  | 0.093  |
|                                 | 20   | 0.051  | 0.096  |
|                                 | 25   | 0.027  | 0.113  |
|                                 | 30   | -0.020 | 0.118  |
|                                 | 35   | -0.117 | 0.114  |
|                                 | 40   | -0.242 | 0.105  |
|                                 | 45   | -0.357 | 0.097  |
|                                 | 50   | -0.425 | 0.091  |
|                                 | 55   | -0.401 | 0.088  |
|                                 | 60   | -0.291 | 0.086  |
|                                 | 65   | -0.148 | 0.087  |
|                                 | 70   | -0.031 | 0.088  |
|                                 | 75   | 0.110  | 0.093  |
|                                 | 80   | 0.241  | 0.101  |
| Injuries                        | NN   | -1.714 | 0.214  |
|                                 | PNN  | -1.593 | 0.192  |
|                                 | 1    | -0.530 | 0.224  |
|                                 | 5    | 0.797  | 0.165  |
|                                 | 10   | 1.334  | 0.103  |
|                                 | 15   | 2.539  | 0.103  |
|                                 | 20   | 2.181  | 0.128  |
|                                 | 25   | 1.619  | 0.130  |
|                                 | 30   | 1.345  | 0.120  |
|                                 | 35   | 1.020  | 0.111  |
|                                 | 40   | 0.467  | 0.104  |
|                                 | 45   | 0.201  | 0.086  |
|                                 | 50   | -0.263 | 0.074  |
|                                 | 55   | -0.638 | 0.075  |
|                                 | 60   | -1.004 | 0.075  |
|                                 | 65   | -1.217 | 0.079  |
|                                 | 70   | -1.395 | 0.080  |
|                                 | 75   | -1.513 | 0.098  |
|                                 | 80   | -1.611 | 0.110  |
| Drowning                        | NN   | -0.869 | 0.433  |
|                                 | PNN  | -0.805 | 0.433  |
|                                 | 1    | -0.229 | 0.459  |
|                                 | 5    | 1.447  | 0.434  |
|                                 | 10   | 2.198  | 0.180  |
|                                 | 15   | 2.359  | 0.299  |
|                                 | 20   | 2.331  | 0.399  |
|                                 | 25   | 1.724  | 0.471  |
|                                 | 30   | 1.679  | 0.401  |
|                                 | 35   | 1.629  | 0.342  |
|                                 | 40   | 0.811  | 0.340  |
|                                 | 45   | -0.022 | 0.311  |
|                                 | 50   | -0.725 | 0.280  |
|                                 | 55   | -1.247 | 0.282  |
|                                 | 60   | -1.770 | 0.289  |
|                                 | 65   | -2.191 | 0.314  |
|                                 | 70   | -2.019 | 0.287  |
|                                 | 75   | -1.918 | 0.340  |
|                                 | 80   | -2.213 | 0.399  |



Aim 2 Supplementary Tables

| Cause group            | Age* | Mean   | St Dev |
|------------------------|------|--------|--------|
| Falls                  | NN   | -1.578 | 0.375  |
|                        | PNN  | -1.555 | 0.370  |
|                        | 1    | -1.346 | 0.327  |
|                        | 5    | -0.452 | 0.225  |
|                        | 10   | 0.421  | 0.217  |
|                        | 15   | 0.783  | 0.207  |
|                        | 20   | 0.931  | 0.242  |
|                        | 25   | 1.104  | 0.256  |
|                        | 30   | 1.150  | 0.253  |
|                        | 35   | 0.933  | 0.224  |
|                        | 40   | 0.636  | 0.194  |
|                        | 45   | 0.387  | 0.163  |
|                        | 50   | 0.231  | 0.136  |
|                        | 55   | 0.136  | 0.132  |
|                        | 60   | -0.181 | 0.112  |
|                        | 65   | -0.299 | 0.110  |
|                        | 70   | -0.459 | 0.122  |
|                        | 75   | -0.431 | 0.142  |
|                        | 80   | -0.365 | 0.173  |
| Interpersonal violence | NN   | 1.039  | 0.606  |
|                        | PNN  | 1.041  | 0.600  |
|                        | 1    | 1.056  | 0.545  |
|                        | 5    | 1.123  | 0.322  |
|                        | 10   | 1.185  | 0.181  |
|                        | 15   | 1.204  | 0.325  |
|                        | 20   | 1.107  | 0.432  |
|                        | 25   | 0.909  | 0.446  |
|                        | 30   | 0.661  | 0.423  |
|                        | 35   | 0.384  | 0.380  |
|                        | 40   | 0.082  | 0.317  |
|                        | 45   | -0.209 | 0.265  |
|                        | 50   | -0.481 | 0.230  |
|                        | 55   | -0.766 | 0.196  |
|                        | 60   | -1.055 | 0.184  |
|                        | 65   | -1.330 | 0.211  |
|                        | 70   | -1.630 | 0.285  |
|                        | 75   | -1.942 | 0.416  |
|                        | 80   | -2.266 | 0.600  |
| Self-harm              | 10   | 1.509  | 0.236  |
|                        | 15   | 1.176  | 0.178  |
|                        | 20   | 0.844  | 0.191  |
|                        | 25   | 0.553  | 0.212  |
|                        | 30   | 0.299  | 0.216  |
|                        | 35   | 0.107  | 0.193  |
|                        | 40   | -0.049 | 0.161  |
|                        | 45   | -0.180 | 0.129  |
|                        | 50   | -0.305 | 0.112  |
|                        | 55   | -0.434 | 0.114  |
|                        | 60   | -0.554 | 0.135  |
|                        | 65   | -0.658 | 0.171  |
|                        | 70   | -0.721 | 0.228  |
|                        | 75   | -0.764 | 0.306  |
|                        | 80   | -0.792 | 0.414  |

Aim 2 Supplementary Tables

| Cause group                  | Age* | Mean   | St Dev |
|------------------------------|------|--------|--------|
| Transport injuries           | NN   | -1.784 | 0.264  |
|                              | PNN  | -1.732 | 0.259  |
|                              | 1    | -1.270 | 0.234  |
|                              | 5    | 0.362  | 0.219  |
|                              | 10   | 1.475  | 0.127  |
|                              | 15   | 2.846  | 0.135  |
|                              | 20   | 2.558  | 0.173  |
|                              | 25   | 1.829  | 0.178  |
|                              | 30   | 1.561  | 0.165  |
|                              | 35   | 1.107  | 0.155  |
|                              | 40   | 0.740  | 0.142  |
|                              | 45   | 0.431  | 0.119  |
|                              | 50   | -0.045 | 0.102  |
|                              | 55   | -0.596 | 0.107  |
|                              | 60   | -0.874 | 0.104  |
|                              | 65   | -1.175 | 0.112  |
|                              | 70   | -1.414 | 0.118  |
|                              | 75   | -1.834 | 0.155  |
|                              | 80   | -2.133 | 0.198  |
| Other unintentional injuries | NN   | 0.378  | 0.275  |
|                              | PNN  | 0.384  | 0.271  |
|                              | 1    | 0.436  | 0.245  |
|                              | 5    | 0.655  | 0.153  |
|                              | 10   | 0.846  | 0.106  |
|                              | 15   | 0.958  | 0.140  |
|                              | 20   | 0.989  | 0.188  |
|                              | 25   | 0.962  | 0.214  |
|                              | 30   | 0.813  | 0.209  |
|                              | 35   | 0.581  | 0.191  |
|                              | 40   | 0.251  | 0.158  |
|                              | 45   | -0.055 | 0.135  |
|                              | 50   | -0.402 | 0.109  |
|                              | 55   | -0.707 | 0.099  |
|                              | 60   | -0.935 | 0.098  |
|                              | 65   | -1.102 | 0.104  |
|                              | 70   | -1.220 | 0.116  |
|                              | 75   | -1.337 | 0.148  |
|                              | 80   | -1.474 | 0.219  |

\* NN = neonatal (0-27 days); PNN = postneonaatal (28-364 days)

# Aim 2 Supplementary Tables

Supplementary Table 6. Age-specific deaths, cause-specific mortality rates (CSMR), and cause fractions (CF) by sex and province for each cause group. (NN=0-27 days, PNN=28-364 days)

| Location  | Cause group                                              | Age | Males                         |                                  |                            | Females                      |                                  |                            |
|-----------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|----------------------------|------------------------------|----------------------------------|----------------------------|
|           |                                                          |     | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)              | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Diarrheal diseases                                       | NN  | 592.8 (398.7, 828.1)          | 0.0030107 (0.0020247, 0.0042055) | 0.01338 (0.00919, 0.01807) | 485.5 (329.0, 690.7)         | 0.0025752 (0.0017450, 0.0036635) | 0.0151 (0.01064, 0.02051)  |
| Indonesia | Lower respiratory infections                             | NN  | 5,117.4 (4,089.0, 6,205.2)    | 0.0259878 (0.0207651, 0.0315120) | 0.11561 (0.10012, 0.13380) | 3,058.7 (2,429.6, 3,835.3)   | 0.0162241 (0.0128873, 0.0203433) | 0.09518 (0.08044, 0.11120) |
| Indonesia | Malaria                                                  | NN  | 19.3 (7.0, 41.7)              | 0.0000978 (0.0000353, 0.0002119) | 0.00044 (0.00015, 0.00095) | 11.3 (4.1, 23.9)             | 0.00006 (0.0000218, 0.0001269)   | 0.00035 (0.00013, 0.00076) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 12,606.5 (10,312.1, 15,142.0) | 0.0640194 (0.0523681, 0.0768957) | 0.28458 (0.25867, 0.31106) | 8,383.6 (6,742.7, 10,349.2)  | 0.0444688 (0.0357650, 0.0548952) | 0.26079 (0.23187, 0.29132) |
| Indonesia | Preterm birth complications                              | NN  | 11,914.3 (9,670.2, 14,340.5)  | 0.0605044 (0.0491083, 0.0728252) | 0.26887 (0.24250, 0.29687) | 10,331.6 (8,363.5, 12,550.0) | 0.0548015 (0.0443624, 0.0665687) | 0.32137 (0.29031, 0.35095) |
| Indonesia | Other neonatal disorders                                 | NN  | 4,849.1 (3,722.7, 6,030.4)    | 0.0246251 (0.0189051, 0.0306240) | 0.10964 (0.08977, 0.13323) | 3,068.6 (2,315.6, 3,909.0)   | 0.0162768 (0.0122824, 0.0207346) | 0.09569 (0.07440, 0.12038) |
| Indonesia | Other communicable diseases                              | NN  | 623.7 (408.7, 914.1)          | 0.0031675 (0.0020755, 0.0046421) | 0.01409 (0.00959, 0.02005) | 362.9 (233.4, 538.2)         | 0.0019248 (0.0012380, 0.0028549) | 0.01129 (0.00748, 0.01632) |
| Indonesia | Other malignant neoplasms                                | NN  | 401.4 (240.5, 619.2)          | 0.0020384 (0.0012213, 0.0031444) | 0.00906 (0.00558, 0.01372) | 309.2 (179.6, 488.5)         | 0.0016402 (0.0009528, 0.0025913) | 0.00963 (0.00579, 0.01477) |
| Indonesia | Cerebrovascular disease                                  | NN  | 91.1 (29.7, 204.7)            | 0.0004629 (0.0001510, 0.0010393) | 0.00205 (0.00069, 0.00455) | 91.7 (30.9, 209.5)           | 0.0004864 (0.0001639, 0.0011112) | 0.00285 (0.00098, 0.00627) |
| Indonesia | Other cardiovascular and circulatory diseases            | NN  | 82.2 (25.8, 194.5)            | 0.0004174 (0.0001311, 0.0009879) | 0.00186 (0.00059, 0.00429) | 79.0 (25.9, 178.7)           | 0.0004189 (0.0001372, 0.0009477) | 0.00245 (0.00079, 0.00556) |
| Indonesia | Diabetes mellitus                                        | NN  | 24.9 (0.1, 194.5)             | 0.0001263 (0.0000007, 0.0009876) | 0.00056 (0.00000, 0.00426) | 29.1 (0.2, 203.1)            | 0.0001542 (0.0000009, 0.0010775) | 0.00091 (0.00001, 0.00691) |
| Indonesia | Other non-communicable diseases                          | NN  | 6,033.9 (4,868.8, 7,257.9)    | 0.0306418 (0.0247251, 0.0368579) | 0.13621 (0.12191, 0.15004) | 5,333.8 (4,310.9, 6,446.3)   | 0.0282921 (0.0228663, 0.0341928) | 0.16592 (0.14995, 0.18229) |
| Indonesia | Drowning                                                 | NN  | 434.0 (243.7, 682.7)          | 0.0022041 (0.0012374, 0.0034669) | 0.00982 (0.00580, 0.01560) | 109.2 (56.1, 187.4)          | 0.0005793 (0.0002978, 0.0009942) | 0.0034 (0.00176, 0.00559)  |
| Indonesia | Falls                                                    | NN  | 245.2 (133.2, 405.6)          | 0.0012451 (0.0006765, 0.0020595) | 0.00555 (0.00307, 0.00894) | 85.1 (44.5, 150.8)           | 0.0004517 (0.0002362, 0.0007999) | 0.00265 (0.00146, 0.00454) |
| Indonesia | Interpersonal violence                                   | NN  | 94.7 (40.8, 190.7)            | 0.0004809 (0.0002070, 0.0009684) | 0.00215 (0.00092, 0.00426) | 52.8 (20.6, 104.2)           | 0.0002801 (0.0001094, 0.0005529) | 0.00164 (0.00065, 0.00320) |
| Indonesia | Transport injuries                                       | NN  | 408.5 (234.6, 644.9)          | 0.0020743 (0.0011913, 0.0032750) | 0.00924 (0.00537, 0.01474) | 103.9 (55.7, 168.5)          | 0.000551 (0.0002954, 0.0008935)  | 0.00324 (0.00174, 0.00513) |
| Indonesia | Other unintentional injuries                             | NN  | 746.8 (475.9, 1,107.6)        | 0.0037927 (0.0024165, 0.0056249) | 0.01689 (0.01105, 0.02480) | 241.9 (152.6, 373.5)         | 0.001283 (0.0008093, 0.0019813)  | 0.00753 (0.00479, 0.01143) |
| Indonesia | Diarrheal diseases                                       | PNN | 7,450.8 (6,003.9, 9,116.2)    | 0.0030315 (0.0024428, 0.0037091) | 0.23942 (0.20632, 0.27597) | 8,164.4 (6,659.0, 9,840.1)   | 0.0034697 (0.0028299, 0.0041818) | 0.29369 (0.25727, 0.33245) |
| Indonesia | HIV/AIDS                                                 | PNN | 512.9 (292.2, 825.3)          | 0.0002087 (0.0001189, 0.0003358) | 0.01648 (0.00937, 0.02582) | 398.1 (204.5, 665.2)         | 0.0001692 (0.0000869, 0.0002827) | 0.01434 (0.00764, 0.02336) |
| Indonesia | Lower respiratory infections                             | PNN | 5,001.5 (4,119.6, 5,980.2)    | 0.002035 (0.0016761, 0.0024332)  | 0.16083 (0.13726, 0.18428) | 3,837.4 (3,090.0, 4,736.1)   | 0.0016308 (0.0013132, 0.0020127) | 0.13804 (0.11796, 0.16076) |
| Indonesia | Malaria                                                  | PNN | 251.5 (98.3, 515.4)           | 0.0001023 (0.0000400, 0.0002097) | 0.00812 (0.00305, 0.01689) | 203.3 (80.0, 415.0)          | 0.0000864 (0.0000340, 0.0001764) | 0.00733 (0.00289, 0.01495) |
| Indonesia | Tuberculosis                                             | PNN | 917.8 (634.1, 1,267.0)        | 0.0003734 (0.0002580, 0.0005155) | 0.0295 (0.02129, 0.03947)  | 729.5 (485.6, 1,019.8)       | 0.00031 (0.0002064, 0.0004334)   | 0.02625 (0.01748, 0.03614) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 428.5 (168.0, 907.4)          | 0.0001743 (0.0000684, 0.0003692) | 0.0138 (0.00524, 0.02955)  | 346.6 (125.2, 770.6)         | 0.0001473 (0.0000532, 0.0003275) | 0.01248 (0.00471, 0.02734) |
| Indonesia | Preterm birth complications                              | PNN | 1,052.4 (601.2, 1,718.6)      | 0.0004282 (0.0002446, 0.0006992) | 0.03378 (0.01960, 0.05263) | 1,256.8 (711.9, 2,014.9)     | 0.0005341 (0.0003025, 0.0008563) | 0.04515 (0.02631, 0.06827) |
| Indonesia | Other neonatal disorders                                 | PNN | 633.3 (277.1, 1,158.7)        | 0.0002577 (0.0001127, 0.0004714) | 0.02039 (0.00921, 0.03731) | 509.8 (223.6, 1,005.8)       | 0.0002166 (0.0000950, 0.0004274) | 0.01838 (0.00837, 0.03615) |
| Indonesia | Other communicable diseases                              | PNN | 8,703.1 (7,010.3, 10,592.5)   | 0.003541 (0.0028523, 0.0043097)  | 0.2796 (0.24386, 0.31704)  | 6,711.0 (5,288.7, 8,212.8)   | 0.002852 (0.0022475, 0.0034902)  | 0.2413 (0.20799, 0.27694)  |
| Indonesia | Other malignant neoplasms                                | PNN | 258.6 (152.6, 402.9)          | 0.0001052 (0.0000621, 0.0001639) | 0.00831 (0.00514, 0.01260) | 249.0 (148.4, 394.7)         | 0.0001058 (0.0000630, 0.0001677) | 0.00896 (0.00549, 0.01384) |
| Indonesia | Cerebrovascular disease                                  | PNN | 59.8 (20.2, 134.1)            | 0.0000243 (0.0000082, 0.0000546) | 0.00192 (0.00065, 0.00423) | 74.9 (25.3, 166.8)           | 0.0000318 (0.0000107, 0.0000709) | 0.00269 (0.00095, 0.00597) |
| Indonesia | Ischemic heart disease                                   | PNN | 34.2 (2.7, 152.4)             | 0.0000139 (0.0000011, 0.0000620) | 0.0011 (0.00009, 0.00506)  | 42.1 (3.3, 200.4)            | 0.0000179 (0.0000014, 0.0000852) | 0.00151 (0.00013, 0.00700) |
| Indonesia | Other cardiovascular and circulatory diseases            | PNN | 53.9 (17.1, 126.3)            | 0.0000219 (0.0000070, 0.0000514) | 0.00173 (0.00054, 0.00407) | 64.5 (21.1, 149.5)           | 0.0000274 (0.0000090, 0.0000635) | 0.00232 (0.00074, 0.00522) |
| Indonesia | Diabetes mellitus                                        | PNN | 16.7 (0.1, 127.5)             | 0.0000068 (0.0000000, 0.0000519) | 0.00053 (0.00000, 0.00402) | 24.2 (0.1, 177.4)            | 0.0000103 (0.0000001, 0.0000754) | 0.00087 (0.00000, 0.00649) |
| Indonesia | Chronic kidney disease                                   | PNN | 270.9 (140.3, 469.8)          | 0.0001102 (0.0000571, 0.0001912) | 0.00871 (0.00460, 0.01489) | 263.7 (141.1, 470.1)         | 0.0001121 (0.0000600, 0.0001998) | 0.00948 (0.00506, 0.01624) |
| Indonesia | Other non-communicable diseases                          | PNN | 3,949.4 (3,238.4, 4,683.1)    | 0.0016069 (0.0013176, 0.0019054) | 0.12691 (0.11242, 0.14102) | 4,344.4 (3,589.7, 5,122.0)   | 0.0018462 (0.0015255, 0.0021767) | 0.15624 (0.14002, 0.17313) |
| Indonesia | Drowning                                                 | PNN | 356.2 (215.6, 544.9)          | 0.0001449 (0.0000877, 0.0002217) | 0.01146 (0.00720, 0.01721) | 112.8 (60.9, 181.7)          | 0.000048 (0.0000259, 0.0000772)  | 0.00406 (0.00226, 0.00654) |
| Indonesia | Falls                                                    | PNN | 191.2 (108.4, 303.4)          | 0.0000778 (0.0000441, 0.0001234) | 0.00615 (0.00346, 0.00965) | 81.0 (43.3, 138.2)           | 0.0000344 (0.0000184, 0.0000587) | 0.00291 (0.00160, 0.00489) |
| Indonesia | Interpersonal violence                                   | PNN | 73.7 (33.0, 143.4)            | 0.00003 (0.0000134, 0.0000583)   | 0.00237 (0.00105, 0.00453) | 52.2 (21.5, 100.6)           | 0.0000222 (0.0000091, 0.0000427) | 0.00188 (0.00077, 0.00352) |
| Indonesia | Transport injuries                                       | PNN | 328.9 (198.7, 495.3)          | 0.0001338 (0.0000808, 0.0002015) | 0.01058 (0.00653, 0.01619) | 103.6 (58.3, 161.0)          | 0.000044 (0.0000248, 0.0000684)  | 0.00372 (0.00221, 0.00572) |
| Indonesia | Other unintentional injuries                             | PNN | 568.9 (374.6, 806.7)          | 0.0002315 (0.0001524, 0.0003282) | 0.01831 (0.01245, 0.02617) | 233.1 (148.0, 348.6)         | 0.0000991 (0.0000629, 0.0001482) | 0.00838 (0.00554, 0.01218) |
| Indonesia | Diarrheal diseases                                       | 1   | 1,840.0 (1,329.4, 2,528.3)    | 0.0001791 (0.0001294, 0.0002461) | 0.12903 (0.10160, 0.16083) | 1,983.9 (1,520.8, 2,624.4)   | 0.0002011 (0.0001542, 0.0002661) | 0.17278 (0.14100, 0.21193) |
| Indonesia | HIV/AIDS                                                 | 1   | 308.5 (172.1, 504.5)          | 0.00003 (0.0000167, 0.0000491)   | 0.02166 (0.01239, 0.03437) | 227.0 (120.8, 375.8)         | 0.000023 (0.0000123, 0.0000381)  | 0.0198 (0.01073, 0.03195)  |
| Indonesia | Lower respiratory infections                             | 1   | 2,728.7 (2,106.0, 3,448.9)    | 0.0002656 (0.0002050, 0.0003357) | 0.19147 (0.16388, 0.21871) | 2,113.8 (1,656.1, 2,681.6)   | 0.0002143 (0.0001679, 0.0002719) | 0.18419 (0.15428, 0.21383) |
| Indonesia | Malaria                                                  | 1   | 53.6 (19.5, 108.1)            | 0.0000052 (0.0000019, 0.0000105) | 0.00379 (0.00141, 0.00790) | 43.0 (17.0, 91.0)            | 0.0000044 (0.0000017, 0.0000092) | 0.00376 (0.00150, 0.00792) |
| Indonesia | Tuberculosis                                             | 1   | 556.6 (376.2, 793.2)          | 0.0000542 (0.0000366, 0.0000772) | 0.03902 (0.02850, 0.05164) | 441.2 (292.7, 628.7)         | 0.0000447 (0.0000297, 0.0000637) | 0.03843 (0.02667, 0.05230) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 123.9 (41.5, 272.7)           | 0.0000121 (0.0000040, 0.0000265) | 0.0087 (0.00309, 0.01945)  | 93.2 (33.4, 206.9)           | 0.0000095 (0.0000034, 0.0000210) | 0.00812 (0.00298, 0.01761) |
| Indonesia | Preterm birth complications                              | 1   | 57.1 (13.7, 167.6)            | 0.0000056 (0.0000013, 0.0000163) | 0.00401 (0.00100, 0.01162) | 65.2 (15.7, 193.7)           | 0.0000066 (0.0000016, 0.0000196) | 0.00568 (0.00135, 0.01597) |
| Indonesia | Other neonatal disorders                                 | 1   | 27.6 (0.3, 197.6)             | 0.0000027 (0.0000000, 0.0000192) | 0.00193 (0.00002, 0.01403) | 20.3 (0.2, 149.2)            | 0.0000021 (0.0000000, 0.0000151) | 0.00177 (0.00002, 0.01363) |
| Indonesia | Other communicable diseases                              | 1   | 4,545.4 (3,554.4, 5,654.7)    | 0.0004424 (0.0003459, 0.0005503) | 0.31875 (0.27717, 0.35910) | 3,535.7 (2,766.3, 4,391.6)   | 0.0003585 (0.0002805, 0.0004452) | 0.30797 (0.26381, 0.34960) |
| Indonesia | Other malignant neoplasms                                | 1   | 96.9 (56.2, 156.7)            | 0.0000094 (0.0000055, 0.0000153) | 0.00679 (0.00418, 0.01050) | 100.9 (58.8, 166.5)          | 0.0000102 (0.0000060, 0.0000169) | 0.00878 (0.00531, 0.01385) |
| Indonesia | Cerebrovascular disease                                  | 1   | 25.1 (8.4, 56.1)              | 0.0000024 (0.0000008, 0.0000055) | 0.00175 (0.00059, 0.00390) | 33.1 (10.7, 74.8)            | 0.0000034 (0.0000011, 0.0000076) | 0.00287 (0.00099, 0.00639) |
| Indonesia | Ischemic heart disease                                   | 1   | 14.4 (1.2, 64.5)              | 0.0000014 (0.0000001, 0.0000063) | 0.00101 (0.00008, 0.00453) | 18.6 (1.5, 84.1)             | 0.0000019 (0.0000002, 0.0000085) | 0.00162 (0.00013, 0.00734) |
| Indonesia | Other cardiovascular and circulatory diseases            | 1   | 21.2 (6.4, 48.4)              | 0.0000021 (0.0000006, 0.0000047) | 0.00149 (0.00046, 0.00334) | 26.8 (8.3, 61.9)             | 0.0000027 (0.0000008, 0.0000063) | 0.00234 (0.00073, 0.00535) |
| Indonesia | Diabetes mellitus                                        | 1   | 6.2 (0.0, 47.1)               | 0.0000006 (0.0000000, 0.0000046) | 0.00044 (0.00000, 0.00339) | 9.7 (0.1, 71.0)              | 0.000001 (0.0000000, 0.0000072)  | 0.00085 (0.00000, 0.00630) |
| Indonesia | Chronic kidney disease                                   | 1   | 99.6 (52.4, 182.0)            | 0.0000097 (0.0000051, 0.0000177) | 0.00699 (0.00360, 0.01210) | 102.7 (54.0, 184.6)          | 0.0000104 (0.0000055, 0.0000187) | 0.00896 (0.00478, 0.01544) |
| Indonesia | Cirrhosis                                                | 1   | 145.2 (60.4, 280.9)           | 0.0000141 (0.0000059, 0.0000273) | 0.01016 (0.00458, 0.01901) | 85.3 (36.0, 168.5)           | 0.0000087 (0.0000037, 0.0000171) | 0.00741 (0.00325, 0.01414) |
| Indonesia | Chronic respiratory diseases                             | 1   | 280.6 (143.4, 467.6)          | 0.0000273 (0.0000140, 0.0000455) | 0.01973 (0.01022, 0.03176) | 129.2 (61.5, 230.4)          | 0.0000131 (0.0000062, 0.0000234) | 0.01128 (0.00555, 0.01982) |
| Indonesia | Other non-communicable diseases                          | 1   | 1,501.1 (1,154.9, 1,959.9)    | 0.0001461 (0.0001124, 0.0001907) | 0.10523 (0.08781, 0.12323) | 1,751.6 (1,377.8, 2,197.7)   | 0.0001776 (0.0001397, 0.0002228) | 0.15251 (0.13289, 0.17327) |
| Indonesia | Drowning                                                 | 1   | 562.4 (365.8, 817.2)          | 0.0000547 (0.0000356, 0.0000795) | 0.03949 (0.02719, 0.05504) | 183.8 (108.8, 284.5)         | 0.0000186 (0.0000110, 0.0000288) | 0.01603 (0.00986, 0.02417) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                      |                                  |                             | Females                    |                                  |                            |
|-----------|-----------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Falls                                         | 1   | 206.0 (119.7, 323.0)       | 0.00002 (0.0000117, 0.0000314)   | 0.01445 (0.00868, 0.02235)  | 88.9 (49.4, 144.0)         | 0.000009 (0.0000050, 0.0000146)  | 0.00775 (0.00430, 0.01226) |
| Indonesia | Interpersonal violence                        | 1   | 66.5 (28.8, 127.0)         | 0.0000065 (0.0000028, 0.0000124) | 0.00467 (0.00207, 0.00880)  | 49.4 (21.9, 92.5)          | 0.000005 (0.0000022, 0.0000094)  | 0.00431 (0.00185, 0.00797) |
| Indonesia | Transport injuries                            | 1   | 454.8 (294.8, 658.8)       | 0.0000443 (0.0000287, 0.0000641) | 0.03194 (0.02110, 0.04431)  | 147.2 (88.8, 222.7)        | 0.0000149 (0.0000090, 0.0000226) | 0.01284 (0.00786, 0.01916) |
| Indonesia | Other unintentional injuries                  | 1   | 534.4 (356.3, 750.3)       | 0.000052 (0.0000347, 0.0000730)  | 0.0375 (0.02630, 0.05148)   | 228.9 (147.6, 342.6)       | 0.0000232 (0.0000150, 0.0000347) | 0.01994 (0.01312, 0.02834) |
| Indonesia | Diarrheal diseases                            | 5   | 905.3 (678.6, 1,149.1)     | 0.0000709 (0.0000532, 0.0000900) | 0.09055 (0.06987, 0.11379)  | 861.8 (670.5, 1,067.2)     | 0.0000717 (0.0000558, 0.0000888) | 0.12955 (0.10162, 0.15867) |
| Indonesia | HIV/AIDS                                      | 5   | 117.8 (46.6, 233.2)        | 0.0000092 (0.0000037, 0.0000183) | 0.01179 (0.00458, 0.02328)  | 80.4 (32.6, 156.8)         | 0.0000067 (0.0000027, 0.0000130) | 0.01209 (0.00491, 0.02331) |
| Indonesia | Lower respiratory infections                  | 5   | 937.7 (708.6, 1,165.5)     | 0.0000735 (0.0000555, 0.0000913) | 0.09379 (0.07217, 0.11597)  | 629.8 (476.2, 788.2)       | 0.0000524 (0.0000396, 0.0000656) | 0.09468 (0.07217, 0.11823) |
| Indonesia | Malaria                                       | 5   | 26.4 (9.8, 56.2)           | 0.0000021 (0.0000008, 0.0000044) | 0.00265 (0.00099, 0.00564)  | 18.7 (7.8, 38.1)           | 0.0000015 (0.0000007, 0.0000032) | 0.00281 (0.00117, 0.00581) |
| Indonesia | Tuberculosis                                  | 5   | 286.7 (200.5, 392.7)       | 0.0000225 (0.0000157, 0.0000308) | 0.02867 (0.02022, 0.03877)  | 199.6 (140.6, 274.1)       | 0.0000166 (0.0000117, 0.0000228) | 0.03 (0.02114, 0.04073)    |
| Indonesia | Other communicable diseases                   | 5   | 2,270.7 (1,919.0, 2,634.1) | 0.0001779 (0.0001504, 0.0002064) | 0.22712 (0.19646, 0.26044)  | 1,556.9 (1,310.0, 1,817.7) | 0.0001295 (0.0001090, 0.0001512) | 0.23406 (0.19947, 0.27131) |
| Indonesia | Other malignant neoplasms                     | 5   | 406.3 (273.5, 585.0)       | 0.0000318 (0.0000214, 0.0000458) | 0.04064 (0.02777, 0.05827)  | 372.0 (260.5, 508.4)       | 0.0000309 (0.0000217, 0.0000423) | 0.05592 (0.03956, 0.07673) |
| Indonesia | Cerebrovascular disease                       | 5   | 73.6 (36.8, 128.3)         | 0.0000058 (0.0000029, 0.0000101) | 0.00736 (0.00366, 0.01290)  | 85.3 (44.5, 139.2)         | 0.0000071 (0.0000037, 0.0000116) | 0.01282 (0.00677, 0.02057) |
| Indonesia | Ischemic heart disease                        | 5   | 49.2 (20.0, 96.5)          | 0.0000039 (0.0000016, 0.0000076) | 0.00492 (0.00200, 0.00981)  | 56.1 (23.4, 103.0)         | 0.0000047 (0.0000020, 0.0000086) | 0.00843 (0.00362, 0.01549) |
| Indonesia | Other cardiovascular and circulatory diseases | 5   | 69.6 (32.5, 133.7)         | 0.0000055 (0.0000026, 0.0000105) | 0.00696 (0.00325, 0.01343)  | 75.4 (38.5, 137.8)         | 0.0000063 (0.0000032, 0.0000115) | 0.01135 (0.00581, 0.02085) |
| Indonesia | Diabetes mellitus                             | 5   | 52.1 (20.9, 110.5)         | 0.0000041 (0.0000016, 0.0000087) | 0.00521 (0.00211, 0.01108)  | 74.5 (32.0, 156.4)         | 0.0000062 (0.0000027, 0.0000130) | 0.0112 (0.00477, 0.02317)  |
| Indonesia | Chronic kidney disease                        | 5   | 145.5 (79.7, 244.0)        | 0.0000114 (0.0000062, 0.0000191) | 0.01455 (0.00799, 0.02415)  | 134.7 (75.8, 216.4)        | 0.0000112 (0.0000063, 0.0000180) | 0.02024 (0.01144, 0.03247) |
| Indonesia | Cirrhosis                                     | 5   | 270.0 (163.4, 411.4)       | 0.0000212 (0.0000128, 0.0000322) | 0.02702 (0.01636, 0.04068)  | 141.3 (83.4, 214.3)        | 0.0000118 (0.0000069, 0.0000178) | 0.02125 (0.01274, 0.03188) |
| Indonesia | Chronic respiratory diseases                  | 5   | 157.3 (91.0, 252.1)        | 0.0000123 (0.0000071, 0.0000198) | 0.01573 (0.00909, 0.02530)  | 62.2 (33.8, 101.0)         | 0.0000052 (0.0000028, 0.0000084) | 0.00935 (0.00514, 0.01558) |
| Indonesia | Other non-communicable diseases               | 5   | 961.9 (749.2, 1,198.1)     | 0.0000754 (0.0000587, 0.0000939) | 0.0962 (0.07582, 0.11839)   | 992.0 (792.1, 1,198.9)     | 0.0000825 (0.0000659, 0.0000997) | 0.14911 (0.12082, 0.17939) |
| Indonesia | Drowning                                      | 5   | 1,453.8 (1,142.0, 1,812.5) | 0.0001139 (0.0000895, 0.0001420) | 0.14545 (0.11453, 0.17879)  | 555.8 (407.5, 722.3)       | 0.0000462 (0.0000339, 0.0000601) | 0.08357 (0.06076, 0.10764) |
| Indonesia | Falls                                         | 5   | 263.3 (168.7, 387.3)       | 0.0000206 (0.0000132, 0.0000303) | 0.02635 (0.01701, 0.03876)  | 125.2 (83.0, 184.0)        | 0.0000104 (0.0000069, 0.0000153) | 0.01883 (0.01246, 0.02772) |
| Indonesia | Interpersonal violence                        | 5   | 39.5 (17.2, 80.0)          | 0.0000031 (0.0000014, 0.0000063) | 0.00395 (0.00173, 0.00791)  | 31.6 (14.6, 61.1)          | 0.0000026 (0.0000012, 0.0000051) | 0.00475 (0.00221, 0.00917) |
| Indonesia | Transport injuries                            | 5   | 1,134.0 (844.2, 1,415.4)   | 0.0000889 (0.0000661, 0.0001109) | 0.11344 (0.08538, 0.14194)  | 424.6 (303.4, 563.3)       | 0.0000353 (0.0000252, 0.0000469) | 0.06384 (0.04572, 0.08506) |
| Indonesia | Other unintentional injuries                  | 5   | 376.3 (262.1, 526.7)       | 0.0000295 (0.0000205, 0.0000413) | 0.03765 (0.02654, 0.05294)  | 173.9 (122.3, 250.3)       | 0.0000145 (0.0000102, 0.0000208) | 0.02615 (0.01835, 0.03748) |
| Indonesia | Diarrheal diseases                            | 10  | 451.5 (327.0, 603.0)       | 0.0000338 (0.0000263, 0.0000485) | 0.04658 (0.03361, 0.06294)  | 409.7 (296.2, 538.3)       | 0.0000347 (0.0000251, 0.0000456) | 0.06726 (0.04885, 0.08862) |
| Indonesia | HIV/AIDS                                      | 10  | 106.0 (56.3, 181.4)        | 0.0000085 (0.0000045, 0.0000146) | 0.01094 (0.00578, 0.01858)  | 68.8 (36.6, 118.0)         | 0.0000058 (0.0000031, 0.0000100) | 0.01129 (0.00600, 0.01941) |
| Indonesia | Lower respiratory infections                  | 10  | 569.7 (432.8, 732.9)       | 0.0000458 (0.0000348, 0.0000590) | 0.05878 (0.04497, 0.07488)  | 355.8 (272.9, 456.0)       | 0.0000301 (0.0000231, 0.0000386) | 0.05841 (0.04462, 0.07464) |
| Indonesia | Malaria                                       | 10  | 47.4 (26.0, 81.6)          | 0.0000038 (0.0000021, 0.0000066) | 0.00489 (0.00267, 0.00851)  | 33.7 (18.4, 57.1)          | 0.0000029 (0.0000016, 0.0000048) | 0.00554 (0.00302, 0.00943) |
| Indonesia | Tuberculosis                                  | 10  | 590.3 (445.8, 749.3)       | 0.0000475 (0.0000359, 0.0000603) | 0.0609 (0.04649, 0.07674)   | 398.2 (308.4, 502.7)       | 0.0000337 (0.0000261, 0.0000426) | 0.06538 (0.05089, 0.08255) |
| Indonesia | Maternal disorders                            | 10  |                            |                                  |                             | 31.4 (5.7, 80.2)           | 0.0000027 (0.0000005, 0.0000068) | 0.00516 (0.00093, 0.01303) |
| Indonesia | Other communicable diseases                   | 10  | 1,706.8 (1,425.7, 1,980.0) | 0.0001373 (0.0001147, 0.0001593) | 0.17607 (0.14972, 0.20203)  | 1,075.8 (894.1, 1,256.9)   | 0.0000911 (0.0000757, 0.0001064) | 0.1766 (0.14738, 0.20604)  |
| Indonesia | Other malignant neoplasms                     | 10  | 581.7 (452.4, 736.8)       | 0.0000468 (0.0000364, 0.0000593) | 0.06001 (0.04725, 0.07670)  | 524.9 (423.6, 642.4)       | 0.0000445 (0.0000359, 0.0000544) | 0.08617 (0.06927, 0.10579) |
| Indonesia | Cerebrovascular disease                       | 10  | 119.8 (76.0, 179.3)        | 0.0000096 (0.0000061, 0.0000144) | 0.01235 (0.00786, 0.01835)  | 127.9 (81.9, 183.2)        | 0.0000108 (0.0000069, 0.0000155) | 0.02099 (0.01343, 0.02992) |
| Indonesia | Ischemic heart disease                        | 10  | 119.7 (76.8, 178.9)        | 0.0000096 (0.0000062, 0.0000144) | 0.01235 (0.00796, 0.01837)  | 124.8 (82.2, 182.4)        | 0.0000106 (0.0000070, 0.0000154) | 0.02048 (0.01341, 0.02964) |
| Indonesia | Other cardiovascular and circulatory diseases | 10  | 103.2 (61.4, 164.7)        | 0.0000083 (0.0000049, 0.0000132) | 0.01065 (0.00629, 0.01690)  | 106.3 (65.7, 164.7)        | 0.000009 (0.0000056, 0.0000139)  | 0.01745 (0.01075, 0.02691) |
| Indonesia | Diabetes mellitus                             | 10  | 74.0 (42.3, 121.6)         | 0.0000059 (0.0000034, 0.0000098) | 0.00764 (0.00429, 0.01243)  | 100.8 (58.3, 158.1)        | 0.0000085 (0.0000049, 0.0000134) | 0.01655 (0.00959, 0.02592) |
| Indonesia | Chronic kidney disease                        | 10  | 204.0 (140.2, 282.4)       | 0.0000164 (0.0000113, 0.0000227) | 0.02105 (0.01455, 0.02886)  | 183.3 (125.2, 249.1)       | 0.0000155 (0.0000106, 0.0000211) | 0.03008 (0.02091, 0.04072) |
| Indonesia | Cirrhosis                                     | 10  | 309.9 (228.8, 415.4)       | 0.0000249 (0.0000184, 0.0000334) | 0.03197 (0.02354, 0.04299)  | 152.2 (106.4, 209.0)       | 0.0000129 (0.0000090, 0.0000177) | 0.02498 (0.01732, 0.03389) |
| Indonesia | Chronic respiratory diseases                  | 10  | 279.6 (192.3, 385.2)       | 0.0000225 (0.0000155, 0.0000310) | 0.02884 (0.02000, 0.03979)  | 113.0 (74.4, 165.8)        | 0.0000096 (0.0000063, 0.0000140) | 0.01855 (0.01229, 0.02691) |
| Indonesia | Other non-communicable diseases               | 10  | 1,113.1 (936.0, 1,295.4)   | 0.0000896 (0.0000753, 0.0001042) | 0.11484 (0.09748, 0.13318)  | 1,064.9 (917.7, 1,232.5)   | 0.0000902 (0.0000777, 0.0001044) | 0.1748 (0.15180, 0.20035)  |
| Indonesia | Drowning                                      | 10  | 787.6 (587.4, 1,005.3)     | 0.0000634 (0.0000473, 0.0000809) | 0.08126 (0.06082, 0.10362)  | 248.7 (161.1, 355.2)       | 0.0000211 (0.0000136, 0.0000301) | 0.04083 (0.02686, 0.05823) |
| Indonesia | Falls                                         | 10  | 234.4 (146.7, 368.8)       | 0.0000189 (0.0000118, 0.0000297) | 0.02419 (0.01525, 0.03757)  | 96.4 (61.6, 156.8)         | 0.0000082 (0.0000052, 0.0000133) | 0.01583 (0.00996, 0.02577) |
| Indonesia | Interpersonal violence                        | 10  | 61.4 (36.6, 101.2)         | 0.0000049 (0.0000029, 0.0000081) | 0.00633 (0.00378, 0.01054)  | 45.0 (26.9, 72.3)          | 0.0000038 (0.0000023, 0.0000061) | 0.00739 (0.00444, 0.01176) |
| Indonesia | Self-harm                                     | 10  | 132.1 (67.8, 227.7)        | 0.0000106 (0.0000055, 0.0000183) | 0.01364 (0.00704, 0.02366)  | 82.3 (43.8, 134.0)         | 0.000007 (0.0000037, 0.0000113)  | 0.01352 (0.00720, 0.02196) |
| Indonesia | Transport injuries                            | 10  | 1,720.4 (1,421.3, 2,012.0) | 0.0001384 (0.0001143, 0.0001619) | 0.17747 (0.14735, 0.20651)  | 591.3 (461.7, 735.4)       | 0.0000501 (0.0000391, 0.0000623) | 0.09705 (0.07557, 0.12105) |
| Indonesia | Other unintentional injuries                  | 10  | 380.5 (279.7, 499.1)       | 0.0000306 (0.0000225, 0.0000402) | 0.03925 (0.02892, 0.05143)  | 156.5 (112.0, 212.9)       | 0.0000132 (0.0000095, 0.0000180) | 0.02568 (0.01852, 0.03490) |
| Indonesia | Diarrheal diseases                            | 15  | 311.6 (197.7, 450.9)       | 0.0000275 (0.0000174, 0.0000398) | 0.02106 (0.01350, 0.02998)  | 218.8 (140.8, 308.5)       | 0.0000199 (0.0000128, 0.0000281) | 0.02592 (0.01688, 0.03690) |
| Indonesia | HIV/AIDS                                      | 15  | 112.8 (53.9, 208.2)        | 0.00001 (0.0000047, 0.0000184)   | 0.00762 (0.00361, 0.01415)  | 57.2 (26.4, 110.4)         | 0.0000052 (0.0000024, 0.0000100) | 0.00678 (0.00315, 0.01292) |
| Indonesia | Lower respiratory infections                  | 15  | 325.0 (247.7, 426.4)       | 0.0000287 (0.0000218, 0.0000376) | 0.02197 (0.01677, 0.02851)  | 150.6 (109.1, 205.9)       | 0.0000137 (0.0000099, 0.0000187) | 0.01785 (0.01289, 0.02445) |
| Indonesia | Malaria                                       | 15  | 115.7 (72.6, 176.6)        | 0.0000102 (0.0000064, 0.0000156) | 0.00783 (0.00486, 0.01189)  | 70.0 (38.9, 111.1)         | 0.0000064 (0.0000035, 0.0000101) | 0.00829 (0.00459, 0.01314) |
| Indonesia | Tuberculosis                                  | 15  | 1,138.7 (923.3, 1,364.4)   | 0.0001004 (0.0000814, 0.0001203) | 0.07697 (0.06296, 0.09189)  | 575.9 (462.2, 710.2)       | 0.0000524 (0.0000420, 0.0000646) | 0.06823 (0.05489, 0.08361) |
| Indonesia | Maternal disorders                            | 15  |                            |                                  |                             | 390.6 (274.0, 547.4)       | 0.0000355 (0.0000249, 0.0000498) | 0.04627 (0.03256, 0.06415) |
| Indonesia | Other communicable diseases                   | 15  | 1,441.9 (1,185.3, 1,714.6) | 0.0001271 (0.0001045, 0.0001512) | 0.09746 (0.08128, 0.11447)  | 692.2 (556.3, 845.9)       | 0.000063 (0.0000506, 0.0000770)  | 0.08202 (0.06583, 0.09922) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 15  | 98.3 (44.7, 183.1)         | 0.0000087 (0.0000039, 0.0000161) | 0.00665 (0.00304, 0.01226)  | 31.4 (12.7, 61.0)          | 0.0000029 (0.0000012, 0.0000055) | 0.00372 (0.00151, 0.00715) |
| Indonesia | Breast cancer                                 | 15  | 3.3 (0.5, 12.0)            | 0.0000003 (0.0000000, 0.0000011) | 0.00023 (0.00003, 0.000080) | 82.8 (28.6, 170.1)         | 0.0000075 (0.0000026, 0.0000155) | 0.00981 (0.00339, 0.02007) |
| Indonesia | Cervical cancer                               | 15  |                            |                                  |                             | 67.4 (25.7, 134.8)         | 0.0000061 (0.0000023, 0.0000123) | 0.00799 (0.00301, 0.01611) |
| Indonesia | Other malignant neoplasms                     | 15  | 756.3 (611.7, 924.1)       | 0.0000667 (0.0000539, 0.0000815) | 0.05112 (0.04117, 0.06283)  | 717.0 (557.6, 884.4)       | 0.0000652 (0.0000507, 0.0000805) | 0.08495 (0.06674, 0.10455) |
| Indonesia | Cerebrovascular disease                       | 15  | 253.5 (164.6, 367.7)       | 0.0000224 (0.0000145, 0.0000324) | 0.01713 (0.01128, 0.02485)  | 223.6 (140.8, 326.6)       | 0.0000203 (0.0000128, 0.0000297) | 0.02648 (0.01655, 0.03815) |
| Indonesia | Ischemic heart disease                        | 15  | 430.2 (314.0, 572.6)       | 0.0000379 (0.0000277, 0.0000505) | 0.02908 (0.02111, 0.03817)  | 317.3 (228.7, 430.5)       | 0.0000289 (0.0000208, 0.0000392) | 0.03759 (0.02711, 0.05054) |
| Indonesia | Other cardiovascular and circulatory diseases | 15  | 180.1 (108.0, 274.6)       | 0.0000159 (0.0000095, 0.0000242) | 0.01217 (0.00740, 0.01873)  | 173.6 (98.2, 273.2)        | 0.0000158 (0.0000089, 0.0000249) | 0.02057 (0.01177, 0.03263) |
| Indonesia | Diabetes mellitus                             | 15  | 137.1 (81.0, 222.4)        | 0.0000121 (0.0000071, 0.0000196) | 0.00926 (0.00543, 0.01497)  | 173.2 (100.7, 274.1)       | 0.0000158 (0.0000092, 0.0000249) | 0.02052 (0.01186, 0.03237) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-----------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Chronic kidney disease                        | 15  | 342.5 (237.7, 481.0)       | 0.0000302 (0.0000210, 0.0000424) | 0.02314 (0.01613, 0.03238) | 290.6 (198.2, 413.0)       | 0.0000264 (0.0000180, 0.0000376) | 0.03443 (0.02351, 0.04874) |
| Indonesia | Cirrhosis                                     | 15  | 430.2 (310.5, 601.5)       | 0.0000379 (0.0000274, 0.0000530) | 0.02908 (0.02110, 0.04014) | 197.4 (132.7, 283.8)       | 0.000018 (0.0000121, 0.0000258)  | 0.02339 (0.01580, 0.03335) |
| Indonesia | Chronic respiratory diseases                  | 15  | 262.8 (176.2, 369.5)       | 0.0000232 (0.0000155, 0.0000326) | 0.01776 (0.01206, 0.02497) | 124.6 (78.2, 187.1)        | 0.0000113 (0.0000071, 0.0000170) | 0.01476 (0.00925, 0.02206) |
| Indonesia | Other non-communicable diseases               | 15  | 1,504.3 (1,268.7, 1,742.8) | 0.0001326 (0.0001119, 0.0001537) | 0.10168 (0.08631, 0.11767) | 1,255.7 (1,056.3, 1,477.3) | 0.0001142 (0.0000961, 0.0001344) | 0.14877 (0.12662, 0.17334) |
| Indonesia | Drowning                                      | 15  | 479.1 (347.7, 639.5)       | 0.0000422 (0.0000307, 0.0000564) | 0.03239 (0.02350, 0.04309) | 137.7 (87.1, 198.3)        | 0.0000125 (0.0000079, 0.0000180) | 0.01632 (0.01032, 0.02361) |
| Indonesia | Falls                                         | 15  | 237.7 (163.7, 342.5)       | 0.000021 (0.0000144, 0.0000302)  | 0.01607 (0.01118, 0.02322) | 92.3 (59.3, 140.5)         | 0.0000084 (0.0000054, 0.0000128) | 0.01094 (0.00703, 0.01662) |
| Indonesia | Interpersonal violence                        | 15  | 154.3 (102.9, 225.3)       | 0.0000136 (0.0000091, 0.0000199) | 0.01043 (0.00697, 0.01516) | 111.1 (67.2, 173.3)        | 0.0000101 (0.0000061, 0.0000158) | 0.01316 (0.00794, 0.02032) |
| Indonesia | Self-harm                                     | 15  | 283.9 (198.4, 394.3)       | 0.000025 (0.0000175, 0.0000348)  | 0.01919 (0.01338, 0.02638) | 172.7 (111.9, 253.4)       | 0.0000157 (0.0000102, 0.0000231) | 0.02047 (0.01329, 0.03002) |
| Indonesia | Transport injuries                            | 15  | 5,180.1 (4,748.3, 5,658.7) | 0.0004568 (0.0004187, 0.0004990) | 0.35012 (0.32669, 0.37416) | 1,879.0 (1,674.3, 2,098.7) | 0.000171 (0.0001523, 0.0001909)  | 0.22262 (0.20006, 0.24770) |
| Indonesia | Other unintentional injuries                  | 15  | 615.4 (486.8, 753.5)       | 0.0000543 (0.0000429, 0.0000664) | 0.0416 (0.03313, 0.05073)  | 237.5 (172.1, 316.0)       | 0.0000216 (0.0000157, 0.0000288) | 0.02813 (0.02047, 0.03744) |
| Indonesia | Diarrheal diseases                            | 20  | 318.8 (214.5, 456.9)       | 0.0000302 (0.0000203, 0.0000432) | 0.0178 (0.01208, 0.02509)  | 204.3 (137.2, 284.6)       | 0.0000191 (0.0000128, 0.0000266) | 0.02083 (0.01397, 0.02920) |
| Indonesia | HIV/AIDS                                      | 20  | 379.0 (247.2, 553.4)       | 0.0000359 (0.0000234, 0.0000524) | 0.02116 (0.01353, 0.03052) | 179.3 (114.9, 260.4)       | 0.0000168 (0.0000107, 0.0000243) | 0.01828 (0.01184, 0.02686) |
| Indonesia | Lower respiratory infections                  | 20  | 335.7 (250.0, 427.9)       | 0.0000318 (0.0000237, 0.0000405) | 0.01874 (0.01407, 0.02409) | 125.4 (87.9, 167.3)        | 0.0000117 (0.0000082, 0.0000156) | 0.01278 (0.00903, 0.01708) |
| Indonesia | Malaria                                       | 20  | 154.7 (97.9, 226.6)        | 0.0000146 (0.0000093, 0.0000214) | 0.00864 (0.00545, 0.01272) | 81.0 (45.5, 127.1)         | 0.0000076 (0.0000043, 0.0000119) | 0.00826 (0.00463, 0.01301) |
| Indonesia | Tuberculosis                                  | 20  | 2,391.5 (2,066.2, 2,736.0) | 0.0002263 (0.0001955, 0.0002589) | 0.13353 (0.11659, 0.15160) | 919.2 (766.8, 1,078.4)     | 0.0000859 (0.0000717, 0.0001008) | 0.09371 (0.07902, 0.10928) |
| Indonesia | Maternal disorders                            | 20  |                            |                                  |                            | 733.6 (571.0, 933.8)       | 0.0000686 (0.0000534, 0.0000873) | 0.0748 (0.05870, 0.09382)  |
| Indonesia | Other communicable diseases                   | 20  | 1,893.7 (1,594.4, 2,214.4) | 0.0001792 (0.0001509, 0.0002095) | 0.10572 (0.09037, 0.12226) | 840.9 (688.9, 994.8)       | 0.0000786 (0.0000644, 0.0000930) | 0.08574 (0.07033, 0.10096) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 20  | 94.0 (42.9, 183.5)         | 0.0000089 (0.0000041, 0.0000174) | 0.00525 (0.00236, 0.01019) | 52.1 (26.2, 90.4)          | 0.0000049 (0.0000025, 0.0000084) | 0.00531 (0.00267, 0.00921) |
| Indonesia | Breast cancer                                 | 20  | 5.4 (1.3, 14.0)            | 0.0000005 (0.0000001, 0.0000013) | 0.0003 (0.00008, 0.00080)  | 258.6 (162.4, 379.9)       | 0.0000242 (0.0000152, 0.0000355) | 0.02636 (0.01657, 0.03842) |
| Indonesia | Cervical cancer                               | 20  |                            |                                  |                            | 151.8 (89.6, 237.6)        | 0.0000142 (0.0000084, 0.0000222) | 0.01548 (0.00907, 0.02422) |
| Indonesia | Other malignant neoplasms                     | 20  | 765.4 (623.0, 933.6)       | 0.0000724 (0.0000590, 0.0000883) | 0.04272 (0.03514, 0.05113) | 825.8 (664.9, 998.2)       | 0.0000772 (0.0000622, 0.0000933) | 0.08421 (0.06789, 0.10185) |
| Indonesia | Cerebrovascular disease                       | 20  | 506.1 (386.2, 634.6)       | 0.0000479 (0.0000366, 0.0000601) | 0.02825 (0.02214, 0.03511) | 374.8 (292.5, 480.7)       | 0.000035 (0.0000273, 0.0000449)  | 0.03822 (0.02995, 0.04787) |
| Indonesia | Ischemic heart disease                        | 20  | 842.7 (676.0, 1,061.3)     | 0.0000797 (0.0000640, 0.0001004) | 0.04704 (0.03797, 0.05784) | 399.1 (311.1, 502.8)       | 0.0000373 (0.0000291, 0.0000470) | 0.04069 (0.03192, 0.05086) |
| Indonesia | Other cardiovascular and circulatory diseases | 20  | 291.7 (209.9, 386.7)       | 0.0000276 (0.0000199, 0.0000366) | 0.01629 (0.01179, 0.02137) | 263.6 (193.7, 346.9)       | 0.0000246 (0.0000181, 0.0000324) | 0.02687 (0.01980, 0.03525) |
| Indonesia | Diabetes mellitus                             | 20  | 145.2 (93.4, 208.8)        | 0.0000137 (0.0000088, 0.0000198) | 0.0081 (0.00518, 0.01147)  | 168.7 (109.1, 246.2)       | 0.0000158 (0.0000102, 0.0000230) | 0.0172 (0.01108, 0.02488)  |
| Indonesia | Chronic kidney disease                        | 20  | 568.1 (444.0, 719.9)       | 0.0000538 (0.0000420, 0.0000681) | 0.03172 (0.02492, 0.04009) | 445.5 (346.9, 572.2)       | 0.0000417 (0.0000324, 0.0000535) | 0.04543 (0.03520, 0.05788) |
| Indonesia | Cirrhosis                                     | 20  | 725.6 (568.1, 900.3)       | 0.0000687 (0.0000538, 0.0000852) | 0.04051 (0.03210, 0.04935) | 317.4 (239.0, 405.3)       | 0.0000297 (0.0000223, 0.0000379) | 0.03236 (0.02454, 0.04163) |
| Indonesia | Chronic respiratory diseases                  | 20  | 577.6 (444.3, 730.3)       | 0.0000547 (0.0000420, 0.0000691) | 0.03226 (0.02509, 0.04096) | 322.1 (245.0, 419.1)       | 0.0000301 (0.0000229, 0.0000392) | 0.03285 (0.02510, 0.04229) |
| Indonesia | Other non-communicable diseases               | 20  | 1,527.7 (1,302.2, 1,791.4) | 0.0001446 (0.0001232, 0.0001695) | 0.0853 (0.07364, 0.09880)  | 1,143.2 (984.5, 1,315.2)   | 0.0001069 (0.0000920, 0.0001230) | 0.11656 (0.10060, 0.13461) |
| Indonesia | Drowning                                      | 20  | 362.1 (238.8, 516.8)       | 0.0000343 (0.0000226, 0.0000489) | 0.02022 (0.01321, 0.02930) | 96.0 (57.7, 144.7)         | 0.000009 (0.0000054, 0.0000135)  | 0.00979 (0.00590, 0.01480) |
| Indonesia | Falls                                         | 20  | 250.1 (170.9, 342.9)       | 0.0000237 (0.0000162, 0.0000324) | 0.01397 (0.00964, 0.01915) | 84.6 (54.6, 126.3)         | 0.0000079 (0.0000051, 0.0000118) | 0.00862 (0.00555, 0.01287) |
| Indonesia | Interpersonal violence                        | 20  | 195.9 (134.1, 285.6)       | 0.0000185 (0.0000127, 0.0000270) | 0.01094 (0.00757, 0.01604) | 116.6 (72.3, 175.4)        | 0.0000109 (0.0000068, 0.0000164) | 0.01189 (0.00742, 0.01792) |
| Indonesia | Self-harm                                     | 20  | 302.2 (217.3, 405.5)       | 0.0000286 (0.0000206, 0.0000383) | 0.01687 (0.01231, 0.02257) | 149.8 (98.6, 217.4)        | 0.000014 (0.0000092, 0.0000203)  | 0.01528 (0.01004, 0.02237) |
| Indonesia | Transport injuries                            | 20  | 4,559.1 (4,106.4, 5,005.5) | 0.0004314 (0.0003886, 0.0004737) | 0.25455 (0.23374, 0.27472) | 1,318.9 (1,146.3, 1,504.4) | 0.0001233 (0.0001072, 0.0001406) | 0.13447 (0.11878, 0.15234) |
| Indonesia | Other unintentional injuries                  | 20  | 718.4 (586.1, 870.1)       | 0.000068 (0.0000555, 0.0000823)  | 0.04012 (0.03290, 0.04860) | 235.6 (172.1, 310.0)       | 0.000022 (0.0000161, 0.0000290)  | 0.02403 (0.01769, 0.03153) |
| Indonesia | Diarrheal diseases                            | 25  | 507.6 (368.0, 692.0)       | 0.0000447 (0.0000324, 0.0000609) | 0.02232 (0.01633, 0.03013) | 306.0 (220.7, 416.1)       | 0.0000268 (0.0000194, 0.0000365) | 0.02523 (0.01838, 0.03398) |
| Indonesia | HIV/AIDS                                      | 25  | 763.5 (573.4, 996.6)       | 0.0000672 (0.0000505, 0.0000877) | 0.03359 (0.02540, 0.04377) | 337.2 (242.8, 441.9)       | 0.0000296 (0.0000213, 0.0000388) | 0.02781 (0.02020, 0.03638) |
| Indonesia | Lower respiratory infections                  | 25  | 382.3 (287.2, 485.5)       | 0.0000336 (0.0000253, 0.0000427) | 0.01682 (0.01267, 0.02141) | 137.1 (99.8, 186.1)        | 0.000012 (0.0000088, 0.0000163)  | 0.01131 (0.00823, 0.01513) |
| Indonesia | Malaria                                       | 25  | 181.0 (119.3, 264.5)       | 0.0000159 (0.0000105, 0.0000233) | 0.00797 (0.00527, 0.01168) | 92.4 (55.3, 141.6)         | 0.0000081 (0.0000049, 0.0000124) | 0.00762 (0.00452, 0.01161) |
| Indonesia | Tuberculosis                                  | 25  | 3,568.9 (3,148.6, 3,978.6) | 0.000314 (0.0002770, 0.0003501)  | 0.15701 (0.14105, 0.17301) | 1,249.7 (1,071.5, 1,434.7) | 0.0001096 (0.0000940, 0.0001258) | 0.10304 (0.08978, 0.11719) |
| Indonesia | Maternal disorders                            | 25  |                            |                                  |                            | 934.8 (766.5, 1,131.1)     | 0.000082 (0.0000672, 0.0000992)  | 0.07709 (0.06333, 0.09281) |
| Indonesia | Other communicable diseases                   | 25  | 2,262.2 (1,948.9, 2,622.0) | 0.000199 (0.0001715, 0.0002307)  | 0.09953 (0.08634, 0.11460) | 952.7 (797.8, 1,116.9)     | 0.0000835 (0.0000700, 0.0000979) | 0.07855 (0.06594, 0.09146) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 25  | 131.7 (63.2, 237.3)        | 0.0000116 (0.0000056, 0.0000209) | 0.0058 (0.00278, 0.01035)  | 72.9 (41.1, 118.0)         | 0.0000064 (0.0000036, 0.0000103) | 0.00601 (0.00336, 0.00950) |
| Indonesia | Breast cancer                                 | 25  | 6.9 (2.3, 16.8)            | 0.0000006 (0.0000002, 0.0000015) | 0.00031 (0.00010, 0.00073) | 555.8 (420.4, 707.5)       | 0.0000487 (0.0000369, 0.0000620) | 0.04584 (0.03497, 0.05785) |
| Indonesia | Cervical cancer                               | 25  |                            |                                  |                            | 280.5 (190.2, 386.3)       | 0.0000246 (0.0000167, 0.0000339) | 0.02313 (0.01557, 0.03182) |
| Indonesia | Other malignant neoplasms                     | 25  | 1,196.2 (1,024.5, 1,391.8) | 0.0001053 (0.0000901, 0.0001225) | 0.05262 (0.04510, 0.06035) | 971.7 (809.2, 1,129.3)     | 0.0000852 (0.0000710, 0.0000990) | 0.08014 (0.06747, 0.09324) |
| Indonesia | Cerebrovascular disease                       | 25  | 1,008.6 (848.2, 1,170.3)   | 0.0000887 (0.0000746, 0.0001030) | 0.04437 (0.03795, 0.05101) | 664.0 (562.9, 773.9)       | 0.0000582 (0.0000494, 0.0000679) | 0.05475 (0.04691, 0.06300) |
| Indonesia | Ischemic heart disease                        | 25  | 1,741.6 (1,515.8, 2,000.5) | 0.0001532 (0.0001334, 0.0001760) | 0.07662 (0.06754, 0.08735) | 693.5 (587.0, 811.1)       | 0.0000608 (0.0000515, 0.0000711) | 0.05718 (0.04886, 0.06584) |
| Indonesia | Other cardiovascular and circulatory diseases | 25  | 430.7 (344.3, 529.7)       | 0.0000379 (0.0000303, 0.0000466) | 0.01895 (0.01513, 0.02310) | 355.0 (284.3, 439.6)       | 0.0000311 (0.0000249, 0.0000385) | 0.02927 (0.02354, 0.03583) |
| Indonesia | Diabetes mellitus                             | 25  | 280.9 (212.8, 362.8)       | 0.0000247 (0.0000187, 0.0000319) | 0.01236 (0.00941, 0.01604) | 285.3 (218.1, 357.2)       | 0.000025 (0.0000191, 0.0000313)  | 0.02353 (0.01789, 0.02976) |
| Indonesia | Chronic kidney disease                        | 25  | 742.4 (618.4, 878.5)       | 0.0000653 (0.0000544, 0.0000773) | 0.03266 (0.02755, 0.03835) | 504.9 (417.2, 599.5)       | 0.0000443 (0.0000366, 0.0000526) | 0.04164 (0.03472, 0.04916) |
| Indonesia | Cirrhosis                                     | 25  | 1,147.7 (978.5, 1,344.7)   | 0.000101 (0.0000861, 0.0001183)  | 0.05048 (0.04339, 0.05802) | 449.1 (368.2, 537.2)       | 0.0000394 (0.0000323, 0.0000471) | 0.03703 (0.03040, 0.04439) |
| Indonesia | Chronic respiratory diseases                  | 25  | 792.8 (648.1, 949.5)       | 0.0000698 (0.0000570, 0.0000835) | 0.03488 (0.02856, 0.04205) | 416.0 (333.6, 510.3)       | 0.0000365 (0.0000293, 0.0000447) | 0.03431 (0.02778, 0.04188) |
| Indonesia | Other non-communicable diseases               | 25  | 1,990.1 (1,762.1, 2,234.0) | 0.0001751 (0.0001550, 0.0001966) | 0.08755 (0.07839, 0.09713) | 1,344.9 (1,185.0, 1,513.6) | 0.0001179 (0.0001039, 0.0001327) | 0.11091 (0.09856, 0.12318) |
| Indonesia | Drowning                                      | 25  | 264.5 (149.4, 413.6)       | 0.0000233 (0.0000131, 0.0000364) | 0.01163 (0.00669, 0.01795) | 67.3 (37.5, 111.1)         | 0.0000059 (0.0000033, 0.0000097) | 0.00555 (0.00305, 0.00915) |
| Indonesia | Falls                                         | 25  | 389.4 (282.4, 532.3)       | 0.0000343 (0.0000248, 0.0000468) | 0.01713 (0.01244, 0.02333) | 119.2 (83.1, 167.8)        | 0.0000105 (0.0000073, 0.0000147) | 0.00983 (0.00678, 0.01388) |
| Indonesia | Interpersonal violence                        | 25  | 217.7 (151.7, 312.7)       | 0.0000192 (0.0000133, 0.0000275) | 0.00958 (0.00672, 0.01357) | 111.1 (70.3, 163.2)        | 0.0000097 (0.0000062, 0.0000143) | 0.00916 (0.00583, 0.01336) |
| Indonesia | Self-harm                                     | 25  | 308.9 (225.9, 407.4)       | 0.0000272 (0.0000199, 0.0000358) | 0.01359 (0.01000, 0.01815) | 129.2 (88.7, 184.0)        | 0.0000113 (0.0000078, 0.0000161) | 0.01065 (0.00733, 0.01521) |
| Indonesia | Transport injuries                            | 25  | 3,471.4 (3,044.9, 3,940.4) | 0.0003054 (0.0002679, 0.0003467) | 0.15271 (0.13621, 0.17121) | 826.0 (703.6, 974.9)       | 0.0000724 (0.0000617, 0.0000855) | 0.06811 (0.05788, 0.07961) |
| Indonesia | Other unintentional injuries                  | 25  | 944.4 (775.5, 1,167.4)     | 0.0000831 (0.0000682, 0.0001027) | 0.04155 (0.03437, 0.05108) | 270.6 (204.8, 347.8)       | 0.0000237 (0.0000180, 0.0000305) | 0.02231 (0.01711, 0.02857) |
| Indonesia | Diarrheal diseases                            | 30  | 547.4 (400.5, 724.2)       | 0.0000514 (0.0000376, 0.0000680) | 0.02318 (0.01695, 0.03071) | 333.3 (243.9, 434.8)       | 0.0000317 (0.0000232, 0.0000413) | 0.02433 (0.01823, 0.03155) |
| Indonesia | HIV/AIDS                                      | 30  | 753.7 (581.6, 937.9)       | 0.0000708 (0.0000546, 0.0000881) | 0.0319 (0.02490, 0.0394    |                            |                                  |                            |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-----------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Lower respiratory infections                  | 30  | 341.8 (264.3, 428.2)       | 0.0000321 (0.0000248, 0.0000402) | 0.01447 (0.01122, 0.01809) | 131.5 (98.7, 173.8)        | 0.0000125 (0.0000094, 0.0000165) | 0.0096 (0.00730, 0.01260)  |
| Indonesia | Malaria                                       | 30  | 149.2 (98.9, 220.5)        | 0.000014 (0.0000093, 0.0000207)  | 0.00632 (0.00417, 0.00938) | 75.7 (45.7, 120.0)         | 0.0000072 (0.0000043, 0.0000114) | 0.00552 (0.00332, 0.00862) |
| Indonesia | Tuberculosis                                  | 30  | 3,378.1 (2,979.9, 3,757.9) | 0.0003172 (0.0002798, 0.0003529) | 0.14301 (0.12835, 0.15821) | 1,188.5 (1,024.6, 1,361.6) | 0.0001129 (0.0000974, 0.0001294) | 0.08675 (0.07568, 0.09849) |
| Indonesia | Maternal disorders                            | 30  |                            |                                  |                            | 1,029.3 (837.8, 1,234.4)   | 0.0000978 (0.0000796, 0.0001173) | 0.07513 (0.06198, 0.08940) |
| Indonesia | Other communicable diseases                   | 30  | 1,557.0 (1,296.0, 1,847.9) | 0.0001462 (0.0001217, 0.0001735) | 0.06593 (0.05530, 0.07834) | 666.8 (536.7, 803.7)       | 0.0000634 (0.0000510, 0.0000764) | 0.04867 (0.03947, 0.05835) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 30  | 260.3 (144.1, 458.4)       | 0.0000244 (0.0000135, 0.0000431) | 0.01102 (0.00607, 0.01958) | 83.9 (51.8, 125.7)         | 0.000008 (0.0000049, 0.0000119)  | 0.00613 (0.00377, 0.00908) |
| Indonesia | Breast cancer                                 | 30  | 9.4 (2.8, 24.9)            | 0.0000009 (0.0000003, 0.0000023) | 0.0004 (0.00012, 0.00108)  | 872.5 (707.6, 1,041.8)     | 0.0000829 (0.0000672, 0.0000990) | 0.06368 (0.05325, 0.07531) |
| Indonesia | Cervical cancer                               | 30  |                            |                                  |                            | 447.9 (329.8, 576.7)       | 0.0000426 (0.0000313, 0.0000548) | 0.03269 (0.02422, 0.04205) |
| Indonesia | Other malignant neoplasms                     | 30  | 1,562.3 (1,355.6, 1,780.1) | 0.0001467 (0.0001273, 0.0001672) | 0.06614 (0.05801, 0.07483) | 1,014.4 (863.6, 1,196.4)   | 0.0000964 (0.0000821, 0.0001137) | 0.07404 (0.06345, 0.08579) |
| Indonesia | Cerebrovascular disease                       | 30  | 1,562.1 (1,371.8, 1,761.2) | 0.0001467 (0.0001288, 0.0001654) | 0.06613 (0.05891, 0.07368) | 1,087.3 (960.1, 1,224.2)   | 0.0001033 (0.0000912, 0.0001163) | 0.07936 (0.07114, 0.08789) |
| Indonesia | Ischemic heart disease                        | 30  | 2,427.7 (2,169.5, 2,706.2) | 0.000228 (0.0002037, 0.0002541)  | 0.10278 (0.09246, 0.11367) | 1,010.0 (887.8, 1,143.5)   | 0.000096 (0.0000844, 0.0001087)  | 0.07371 (0.06547, 0.08193) |
| Indonesia | Other cardiovascular and circulatory diseases | 30  | 516.7 (425.6, 620.8)       | 0.0000485 (0.0000400, 0.0000583) | 0.02188 (0.01824, 0.02617) | 443.0 (361.4, 535.5)       | 0.0000421 (0.0000343, 0.0000509) | 0.03233 (0.02692, 0.03848) |
| Indonesia | Diabetes mellitus                             | 30  | 455.7 (373.3, 555.4)       | 0.0000428 (0.0000351, 0.0000522) | 0.01929 (0.01585, 0.02337) | 467.3 (380.3, 552.1)       | 0.0000444 (0.0000361, 0.0000525) | 0.03411 (0.02810, 0.04010) |
| Indonesia | Chronic kidney disease                        | 30  | 795.5 (679.0, 930.3)       | 0.0000747 (0.0000638, 0.0000874) | 0.03368 (0.02891, 0.03917) | 547.2 (460.4, 637.0)       | 0.000052 (0.0000437, 0.0000605)  | 0.03993 (0.03409, 0.04613) |
| Indonesia | Cirrhosis                                     | 30  | 1,488.7 (1,302.7, 1,719.9) | 0.0001398 (0.0001223, 0.0001615) | 0.06302 (0.05530, 0.07196) | 612.2 (516.4, 715.8)       | 0.0000582 (0.0000491, 0.0000680) | 0.04468 (0.03785, 0.05151) |
| Indonesia | Chronic respiratory diseases                  | 30  | 812.6 (663.2, 969.6)       | 0.0000763 (0.0000623, 0.0000911) | 0.0344 (0.02829, 0.04086)  | 439.6 (357.2, 532.1)       | 0.0000418 (0.0000339, 0.0000506) | 0.03209 (0.02638, 0.03842) |
| Indonesia | Other non-communicable diseases               | 30  | 2,038.3 (1,816.2, 2,283.8) | 0.0001914 (0.0001706, 0.0002145) | 0.08629 (0.07780, 0.09535) | 1,447.5 (1,290.9, 1,616.2) | 0.0001376 (0.0001227, 0.0001536) | 0.10564 (0.09574, 0.11559) |
| Indonesia | Drowning                                      | 30  | 295.6 (188.0, 429.5)       | 0.0000278 (0.0000177, 0.0000403) | 0.01251 (0.00807, 0.01802) | 87.6 (50.9, 131.1)         | 0.0000083 (0.0000048, 0.0000125) | 0.00639 (0.00370, 0.00950) |
| Indonesia | Falls                                         | 30  | 454.4 (337.9, 609.2)       | 0.0000427 (0.0000317, 0.0000572) | 0.01924 (0.01435, 0.02560) | 157.7 (112.0, 216.4)       | 0.000015 (0.0000106, 0.0000206)  | 0.01151 (0.00833, 0.01567) |
| Indonesia | Interpersonal violence                        | 30  | 168.6 (114.5, 238.5)       | 0.0000158 (0.0000108, 0.0000224) | 0.00714 (0.00488, 0.01005) | 88.6 (56.8, 131.2)         | 0.0000084 (0.0000054, 0.0000125) | 0.00647 (0.00416, 0.00951) |
| Indonesia | Self-harm                                     | 30  | 233.6 (168.5, 302.8)       | 0.0000219 (0.0000158, 0.0000284) | 0.00989 (0.00723, 0.01280) | 100.3 (68.7, 143.6)        | 0.0000095 (0.0000065, 0.0000136) | 0.00732 (0.00501, 0.01043) |
| Indonesia | Transport injuries                            | 30  | 2,955.6 (2,611.4, 3,357.2) | 0.0002776 (0.0002452, 0.0003153) | 0.12513 (0.11172, 0.14168) | 761.4 (638.3, 897.7)       | 0.0000724 (0.0000607, 0.0000853) | 0.05557 (0.04728, 0.06477) |
| Indonesia | Other unintentional injuries                  | 30  | 856.2 (698.1, 1,043.3)     | 0.0000804 (0.0000656, 0.0000980) | 0.03625 (0.02968, 0.04444) | 264.8 (201.2, 340.1)       | 0.0000252 (0.0000191, 0.0000323) | 0.01932 (0.01479, 0.02435) |
| Indonesia | Diarrheal diseases                            | 35  | 503.6 (370.7, 674.5)       | 0.0000504 (0.0000371, 0.0000674) | 0.01764 (0.01293, 0.02373) | 389.7 (289.0, 514.8)       | 0.0000399 (0.0000296, 0.0000528) | 0.02083 (0.01552, 0.02721) |
| Indonesia | HIV/AIDS                                      | 35  | 709.4 (544.4, 895.3)       | 0.0000709 (0.0000544, 0.0000895) | 0.02484 (0.01927, 0.03136) | 377.7 (278.0, 504.4)       | 0.0000387 (0.0000285, 0.0000517) | 0.02019 (0.01508, 0.02682) |
| Indonesia | Lower respiratory infections                  | 35  | 377.4 (297.6, 473.3)       | 0.0000377 (0.0000298, 0.0000473) | 0.01322 (0.01042, 0.01653) | 186.3 (139.7, 240.8)       | 0.0000191 (0.0000143, 0.0000247) | 0.00996 (0.00754, 0.01294) |
| Indonesia | Malaria                                       | 35  | 135.4 (88.3, 199.0)        | 0.0000135 (0.0000088, 0.0000199) | 0.00474 (0.00306, 0.00697) | 82.0 (50.3, 124.4)         | 0.0000084 (0.0000052, 0.0000128) | 0.00438 (0.00265, 0.00667) |
| Indonesia | Tuberculosis                                  | 35  | 3,720.0 (3,333.4, 4,164.3) | 0.0003719 (0.0003333, 0.0004164) | 0.13026 (0.11734, 0.14382) | 1,539.3 (1,322.5, 1,770.5) | 0.0001578 (0.0001355, 0.0001814) | 0.08228 (0.07137, 0.09318) |
| Indonesia | Maternal disorders                            | 35  |                            |                                  |                            | 968.7 (769.8, 1,189.4)     | 0.0000993 (0.0000789, 0.0001219) | 0.05178 (0.04171, 0.06336) |
| Indonesia | Other communicable diseases                   | 35  | 1,463.3 (1,206.6, 1,731.0) | 0.0001463 (0.0001206, 0.0001731) | 0.05124 (0.04217, 0.05980) | 800.1 (652.3, 964.4)       | 0.000082 (0.0000668, 0.0000988)  | 0.04276 (0.03517, 0.05116) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 35  | 218.2 (123.6, 353.0)       | 0.0000218 (0.0000124, 0.0000353) | 0.00764 (0.00436, 0.01246) | 122.8 (82.1, 174.0)        | 0.0000126 (0.0000084, 0.0000178) | 0.00656 (0.00436, 0.00929) |
| Indonesia | Breast cancer                                 | 35  | 18.8 (6.4, 45.0)           | 0.0000019 (0.0000006, 0.0000045) | 0.00066 (0.00023, 0.00157) | 1,379.4 (1,173.1, 1,599.2) | 0.0001414 (0.0001202, 0.0001639) | 0.07372 (0.06353, 0.08450) |
| Indonesia | Cervical cancer                               | 35  |                            |                                  |                            | 807.6 (627.7, 990.4)       | 0.0000828 (0.0000643, 0.0001015) | 0.04317 (0.03439, 0.05238) |
| Indonesia | Other malignant neoplasms                     | 35  | 2,313.6 (2,062.4, 2,600.4) | 0.0002313 (0.0002062, 0.0002600) | 0.08101 (0.07245, 0.08985) | 1,226.1 (1,038.0, 1,421.9) | 0.0001257 (0.0001064, 0.0001457) | 0.06553 (0.05658, 0.07520) |
| Indonesia | Cerebrovascular disease                       | 35  | 2,672.6 (2,393.4, 2,961.3) | 0.0002672 (0.0002393, 0.0002961) | 0.09358 (0.08563, 0.10227) | 2,017.6 (1,806.6, 2,246.7) | 0.0002068 (0.0001852, 0.0002303) | 0.10783 (0.09843, 0.11774) |
| Indonesia | Ischemic heart disease                        | 35  | 3,645.1 (3,330.7, 3,991.6) | 0.0003644 (0.0003330, 0.0003991) | 0.12764 (0.11829, 0.13751) | 1,667.8 (1,479.1, 1,872.4) | 0.0001709 (0.0001516, 0.0001919) | 0.08913 (0.08042, 0.09763) |
| Indonesia | Other cardiovascular and circulatory diseases | 35  | 717.6 (611.5, 839.2)       | 0.0000718 (0.0000611, 0.0000839) | 0.02513 (0.02174, 0.02933) | 646.8 (542.4, 765.4)       | 0.0000663 (0.0000556, 0.0000784) | 0.03457 (0.02931, 0.04052) |
| Indonesia | Diabetes mellitus                             | 35  | 903.1 (761.3, 1,059.4)     | 0.0000903 (0.0000761, 0.0001059) | 0.03162 (0.02697, 0.03661) | 962.9 (806.5, 1,124.8)     | 0.0000987 (0.0000827, 0.0001153) | 0.05146 (0.04356, 0.05909) |
| Indonesia | Chronic kidney disease                        | 35  | 1,008.5 (872.4, 1,156.7)   | 0.0001008 (0.0000872, 0.0001157) | 0.03532 (0.03100, 0.04082) | 712.3 (611.1, 821.1)       | 0.000073 (0.0000626, 0.0000842)  | 0.03807 (0.03307, 0.04352) |
| Indonesia | Cirrhosis                                     | 35  | 2,014.7 (1,792.0, 2,315.3) | 0.0002014 (0.0001792, 0.0002315) | 0.07055 (0.06367, 0.07984) | 895.0 (774.0, 1,030.2)     | 0.0000917 (0.0000793, 0.0001056) | 0.04784 (0.04183, 0.05441) |
| Indonesia | Chronic respiratory diseases                  | 35  | 1,079.5 (907.7, 1,263.7)   | 0.0001079 (0.0000908, 0.0001264) | 0.0378 (0.03193, 0.04411)  | 580.8 (480.4, 688.4)       | 0.0000595 (0.0000492, 0.0000705) | 0.03105 (0.02621, 0.03667) |
| Indonesia | Other non-communicable diseases               | 35  | 2,295.5 (2,063.5, 2,554.1) | 0.0002295 (0.0002063, 0.0002554) | 0.08038 (0.07281, 0.08805) | 1,752.4 (1,561.1, 1,953.5) | 0.0001796 (0.0001600, 0.0002002) | 0.09366 (0.08541, 0.10257) |
| Indonesia | Drowning                                      | 35  | 400.8 (265.2, 581.8)       | 0.0000401 (0.0000265, 0.0000582) | 0.01404 (0.00931, 0.02031) | 144.0 (89.3, 212.8)        | 0.0000148 (0.0000091, 0.0000218) | 0.0077 (0.00485, 0.01137)  |
| Indonesia | Falls                                         | 35  | 501.1 (374.0, 648.9)       | 0.0000501 (0.0000374, 0.0000649) | 0.01755 (0.01308, 0.02264) | 204.8 (146.1, 276.7)       | 0.000021 (0.0000150, 0.0000284)  | 0.01095 (0.00791, 0.01458) |
| Indonesia | Interpersonal violence                        | 35  | 155.7 (105.8, 223.1)       | 0.0000156 (0.0000106, 0.0000223) | 0.00545 (0.00372, 0.00778) | 87.1 (52.7, 129.2)         | 0.0000088 (0.0000054, 0.0000132) | 0.00466 (0.00282, 0.00695) |
| Indonesia | Self-harm                                     | 35  | 233.8 (165.6, 308.0)       | 0.0000234 (0.0000166, 0.0000308) | 0.00819 (0.00584, 0.01077) | 105.2 (71.6, 146.5)        | 0.0000108 (0.0000073, 0.0000150) | 0.00563 (0.00384, 0.00781) |
| Indonesia | Transport injuries                            | 35  | 2,596.7 (2,258.8, 2,960.7) | 0.0002596 (0.0002258, 0.0002960) | 0.09093 (0.07969, 0.10266) | 752.4 (621.4, 893.9)       | 0.0000771 (0.0000637, 0.0000916) | 0.04022 (0.03327, 0.04734) |
| Indonesia | Other unintentional injuries                  | 35  | 872.1 (707.1, 1,064.2)     | 0.0000872 (0.0000707, 0.0001064) | 0.03054 (0.02481, 0.03722) | 301.0 (229.3, 381.3)       | 0.0000309 (0.0000235, 0.0000391) | 0.01609 (0.01247, 0.02039) |
| Indonesia | Diarrheal diseases                            | 40  | 584.8 (438.3, 749.4)       | 0.0000656 (0.0000492, 0.0000841) | 0.01606 (0.01220, 0.02042) | 529.4 (412.0, 662.2)       | 0.0000606 (0.0000472, 0.0000758) | 0.0222 (0.01735, 0.02747)  |
| Indonesia | HIV/AIDS                                      | 40  | 418.9 (306.4, 547.2)       | 0.000047 (0.0000344, 0.0000614)  | 0.01151 (0.00847, 0.01496) | 261.6 (187.6, 353.3)       | 0.00003 (0.0000215, 0.0000405)   | 0.01097 (0.00796, 0.01472) |
| Indonesia | Lower respiratory infections                  | 40  | 393.3 (316.6, 483.7)       | 0.0000441 (0.0000355, 0.0000543) | 0.0108 (0.00875, 0.01326)  | 238.9 (183.4, 302.2)       | 0.0000274 (0.0000210, 0.0000346) | 0.01002 (0.00776, 0.01252) |
| Indonesia | Malaria                                       | 40  | 141.2 (92.7, 203.6)        | 0.0000158 (0.0000104, 0.0000228) | 0.00388 (0.00255, 0.00551) | 90.9 (57.0, 138.6)         | 0.0000104 (0.0000065, 0.0000159) | 0.00382 (0.00237, 0.00576) |
| Indonesia | Tuberculosis                                  | 40  | 3,682.1 (3,294.1, 4,105.1) | 0.0004132 (0.0003696, 0.0004606) | 0.10113 (0.09121, 0.11089) | 1,726.4 (1,506.4, 1,954.1) | 0.0001977 (0.0001725, 0.0002238) | 0.07238 (0.06410, 0.08095) |
| Indonesia | Maternal disorders                            | 40  |                            |                                  |                            | 339.2 (235.6, 474.1)       | 0.0000388 (0.0000270, 0.0000543) | 0.01422 (0.00993, 0.01977) |
| Indonesia | Other communicable diseases                   | 40  | 1,516.1 (1,266.8, 1,797.8) | 0.0001701 (0.0001421, 0.0002017) | 0.04164 (0.03508, 0.04870) | 998.5 (817.6, 1,193.3)     | 0.0001144 (0.0000936, 0.0001367) | 0.04186 (0.03461, 0.04943) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 40  | 424.8 (310.4, 568.9)       | 0.0000477 (0.0000348, 0.0000638) | 0.01167 (0.00851, 0.01544) | 165.6 (118.5, 227.7)       | 0.000019 (0.0000136, 0.0000261)  | 0.00694 (0.00496, 0.00953) |
| Indonesia | Breast cancer                                 | 40  | 37.3 (14.5, 76.2)          | 0.0000042 (0.0000016, 0.0000086) | 0.00102 (0.00040, 0.00212) | 1,884.9 (1,646.1, 2,164.0) | 0.0002159 (0.0001885, 0.0002478) | 0.07904 (0.06970, 0.08946) |
| Indonesia | Cervical cancer                               | 40  |                            |                                  |                            | 1,157.5 (944.4, 1,402.1)   | 0.0001326 (0.0001082, 0.0001606) | 0.04853 (0.04032, 0.05866) |
| Indonesia | Other malignant neoplasms                     | 40  | 3,304.3 (2,944.2, 3,688.5) | 0.0003708 (0.0003304, 0.0004139) | 0.09076 (0.08205, 0.09919) | 1,385.6 (1,186.0, 1,620.7) | 0.0001587 (0.0001358, 0.0001856) | 0.05809 (0.05079, 0.06690) |
| Indonesia | Cerebrovascular disease                       | 40  | 4,618.6 (4,239.6, 5,052.9) | 0.0005182 (0.0004757, 0.0005670) | 0.12686 (0.11818, 0.13574) | 3,375.7 (3,086.9, 3,683.3) | 0.0003866 (0.0003536, 0.0004219) | 0.14154 (0.13201, 0.15105) |
| Indonesia | Ischemic heart disease                        | 40  | 5,860.1 (5,407.9, 6,365.3) | 0.0006575 (0.0006068, 0.0007142) | 0.16095 (0.15096, 0.17165) | 2,623.7 (2,376.5, 2,906.8) | 0.0003005 (0.0002722, 0.0003329) | 0.11 (0.10175, 0.11876)    |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                        |                                  |                            | Females                    |                                    |                            |
|-----------|-----------------------------------------------|-----|------------------------------|----------------------------------|----------------------------|----------------------------|------------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)              | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                      | CF (95% UI)                |
| Indonesia | Other cardiovascular and circulatory diseases | 40  | 1,103.0 (950.3, 1,279.6)     | 0.0001238 (0.0001066, 0.0001436) | 0.0303 (0.02643, 0.03461)  | 934.3 (797.9, 1,081.1)     | 0.000107 (0.0000914, 0.0001238)    | 0.03917 (0.03401, 0.04474) |
| Indonesia | Diabetes mellitus                             | 40  | 2,022.1 (1,774.7, 2,287.1)   | 0.0002269 (0.0001991, 0.0002566) | 0.05554 (0.04906, 0.06188) | 1,994.4 (1,738.0, 2,251.6) | 0.0002284 (0.0001991, 0.0002579)   | 0.08362 (0.07447, 0.09270) |
| Indonesia | Chronic kidney disease                        | 40  | 1,400.2 (1,232.9, 1,598.1)   | 0.0001571 (0.0001383, 0.0001793) | 0.03846 (0.03410, 0.04392) | 908.6 (787.5, 1,058.2)     | 0.0001041 (0.0000902, 0.0001212)   | 0.03809 (0.03332, 0.04370) |
| Indonesia | Cirrhosis                                     | 40  | 2,712.7 (2,414.5, 3,052.2)   | 0.0003044 (0.0002709, 0.0003425) | 0.07451 (0.06718, 0.08241) | 1,171.1 (1,015.5, 1,340.3) | 0.0001341 (0.0001163, 0.0001535)   | 0.0491 (0.04300, 0.05543)  |
| Indonesia | Chronic respiratory diseases                  | 40  | 1,455.6 (1,256.6, 1,676.5)   | 0.0001633 (0.0001410, 0.0001881) | 0.03998 (0.03476, 0.04547) | 722.7 (617.3, 849.1)       | 0.0000828 (0.0000707, 0.0000972)   | 0.0303 (0.02598, 0.03547)  |
| Indonesia | Other non-communicable diseases               | 40  | 2,727.5 (2,446.7, 3,011.0)   | 0.000306 (0.0002745, 0.0003379)  | 0.07492 (0.06818, 0.08143) | 1,998.1 (1,773.2, 2,214.6) | 0.0002288 (0.0002031, 0.0002536)   | 0.08378 (0.07592, 0.09104) |
| Indonesia | Drowning                                      | 40  | 226.8 (141.2, 346.9)         | 0.0000254 (0.0000158, 0.0000389) | 0.00623 (0.00387, 0.00946) | 86.0 (50.3, 133.1)         | 0.0000099 (0.0000058, 0.0000152)   | 0.00361 (0.00211, 0.00562) |
| Indonesia | Falls                                         | 40  | 466.6 (359.2, 601.0)         | 0.0000524 (0.0000403, 0.0000674) | 0.01282 (0.00980, 0.01648) | 200.5 (146.8, 261.6)       | 0.000023 (0.0000168, 0.0000300)    | 0.00841 (0.00614, 0.01093) |
| Indonesia | Interpersonal violence                        | 40  | 127.6 (83.6, 179.4)          | 0.0000143 (0.0000094, 0.0000201) | 0.00351 (0.00229, 0.00494) | 66.1 (40.7, 98.1)          | 0.0000076 (0.0000047, 0.0000112)   | 0.00277 (0.00170, 0.00411) |
| Indonesia | Self-harm                                     | 40  | 219.3 (160.9, 291.8)         | 0.0000246 (0.0000181, 0.0000327) | 0.00603 (0.00442, 0.00803) | 90.2 (61.8, 127.3)         | 0.0000103 (0.0000071, 0.0000146)   | 0.00378 (0.00259, 0.00530) |
| Indonesia | Transport injuries                            | 40  | 2,222.0 (1,885.9, 2,581.3)   | 0.0002493 (0.0002116, 0.0002896) | 0.06104 (0.05223, 0.07038) | 648.5 (535.0, 776.4)       | 0.0000743 (0.0000613, 0.0000889)   | 0.0272 (0.02258, 0.03232)  |
| Indonesia | Other unintentional injuries                  | 40  | 742.0 (598.8, 903.8)         | 0.0000833 (0.0000672, 0.0001014) | 0.02038 (0.01651, 0.02476) | 251.9 (189.4, 322.8)       | 0.0000288 (0.0000217, 0.0000370)   | 0.01056 (0.00805, 0.01348) |
| Indonesia | Diarrheal diseases                            | 45  | 615.1 (463.5, 781.8)         | 0.0000817 (0.0000616, 0.0001039) | 0.01408 (0.01077, 0.01772) | 695.3 (541.9, 864.5)       | 0.0000932 (0.0000726, 0.0001159)   | 0.02137 (0.01671, 0.02650) |
| Indonesia | HIV/AIDS                                      | 45  | 236.1 (157.2, 344.8)         | 0.0000314 (0.0000209, 0.0000458) | 0.0054 (0.00356, 0.00784)  | 181.3 (117.9, 266.6)       | 0.0000243 (0.0000158, 0.0000357)   | 0.00557 (0.00366, 0.00831) |
| Indonesia | Lower respiratory infections                  | 45  | 497.9 (403.1, 606.9)         | 0.0000661 (0.0000535, 0.0000806) | 0.0114 (0.00934, 0.01381)  | 392.7 (314.7, 487.2)       | 0.0000526 (0.0000422, 0.0000653)   | 0.01207 (0.00979, 0.01500) |
| Indonesia | Malaria                                       | 45  | 123.5 (81.1, 179.1)          | 0.0000164 (0.0000108, 0.0000238) | 0.00283 (0.00185, 0.00409) | 89.3 (56.0, 134.0)         | 0.000012 (0.0000075, 0.0000180)    | 0.00275 (0.00172, 0.00416) |
| Indonesia | Tuberculosis                                  | 45  | 4,092.5 (3,687.0, 4,533.9)   | 0.0005437 (0.0004898, 0.0006023) | 0.09366 (0.08562, 0.10201) | 2,307.1 (2,041.1, 2,579.1) | 0.0003093 (0.0002736, 0.0003457)   | 0.07091 (0.06350, 0.07791) |
| Indonesia | Maternal disorders                            | 45  |                              |                                  |                            | 107.5 (56.4, 179.9)        | 0.0000144 (0.0000076, 0.0000241)   | 0.0033 (0.00173, 0.00552)  |
| Indonesia | Other communicable diseases                   | 45  | 1,377.3 (1,151.3, 1,628.7)   | 0.000183 (0.0001529, 0.0002164)  | 0.03152 (0.02662, 0.03708) | 1,158.6 (959.1, 1,386.8)   | 0.0001553 (0.0001286, 0.0001859)   | 0.0356 (0.03000, 0.04220)  |
| Indonesia | Tracheal, bronchus, and lung cancer           | 45  | 593.6 (465.4, 740.9)         | 0.0000789 (0.0000618, 0.0000984) | 0.01359 (0.01067, 0.01689) | 236.6 (173.8, 314.7)       | 0.0000317 (0.0000233, 0.0000422)   | 0.00727 (0.00538, 0.00972) |
| Indonesia | Breast cancer                                 | 45  | 47.2 (22.4, 87.9)            | 0.0000063 (0.0000030, 0.0000117) | 0.00108 (0.00051, 0.00202) | 2,144.3 (1,872.6, 2,444.7) | 0.0000285 (0.00002510, 0.00003277) | 0.0659 (0.05793, 0.07349)  |
| Indonesia | Cervical cancer                               | 45  |                              |                                  |                            | 1,340.9 (1,133.2, 1,573.3) | 0.0001798 (0.0001519, 0.0002109)   | 0.04121 (0.03501, 0.04812) |
| Indonesia | Other malignant neoplasms                     | 45  | 3,347.1 (3,028.4, 3,709.4)   | 0.0004447 (0.0004023, 0.0004928) | 0.0766 (0.06987, 0.08364)  | 1,521.6 (1,331.7, 1,741.5) | 0.000204 (0.0001785, 0.0002335)    | 0.04676 (0.04118, 0.05240) |
| Indonesia | Cerebrovascular disease                       | 45  | 6,790.9 (6,306.0, 7,393.0)   | 0.0009022 (0.0008378, 0.0009822) | 0.15542 (0.14706, 0.16432) | 5,668.6 (5,202.9, 6,125.6) | 0.0007599 (0.0006975, 0.0008212)   | 0.1742 (0.16460, 0.18312)  |
| Indonesia | Ischemic heart disease                        | 45  | 7,625.8 (7,058.9, 8,273.4)   | 0.0010131 (0.0009378, 0.0010991) | 0.17451 (0.16550, 0.18413) | 3,908.3 (3,560.2, 4,285.1) | 0.0005239 (0.0004773, 0.0005744)   | 0.1201 (0.11228, 0.12806)  |
| Indonesia | Other cardiovascular and circulatory diseases | 45  | 1,471.8 (1,286.6, 1,677.4)   | 0.0001955 (0.0001709, 0.0002228) | 0.03368 (0.02983, 0.03775) | 1,390.5 (1,221.9, 1,589.4) | 0.0001864 (0.0001638, 0.0002131)   | 0.04273 (0.03765, 0.04778) |
| Indonesia | Diabetes mellitus                             | 45  | 3,368.1 (3,026.4, 3,779.0)   | 0.0004475 (0.0004021, 0.0005020) | 0.07708 (0.07043, 0.08440) | 3,664.7 (3,340.7, 4,073.2) | 0.0004913 (0.0004478, 0.0005460)   | 0.11264 (0.10395, 0.12272) |
| Indonesia | Chronic kidney disease                        | 45  | 1,578.8 (1,385.2, 1,794.1)   | 0.0002098 (0.0001840, 0.0002384) | 0.03614 (0.03214, 0.04076) | 1,127.8 (990.2, 1,294.2)   | 0.0001512 (0.0001327, 0.0001735)   | 0.03466 (0.03065, 0.03895) |
| Indonesia | Cirrhosis                                     | 45  | 2,966.3 (2,631.9, 3,304.5)   | 0.0003941 (0.0003496, 0.0004390) | 0.06789 (0.06148, 0.07422) | 1,487.7 (1,296.0, 1,674.2) | 0.0001994 (0.0001737, 0.0002244)   | 0.04572 (0.04029, 0.05080) |
| Indonesia | Chronic respiratory diseases                  | 45  | 2,002.0 (1,771.9, 2,254.7)   | 0.000266 (0.0002354, 0.0002995)  | 0.04582 (0.04096, 0.05110) | 1,111.9 (965.5, 1,265.7)   | 0.0001491 (0.0001294, 0.0001697)   | 0.03418 (0.03003, 0.03892) |
| Indonesia | Other non-communicable diseases               | 45  | 2,862.5 (2,568.9, 3,163.2)   | 0.0003803 (0.0003413, 0.0004202) | 0.06551 (0.06013, 0.07137) | 2,374.9 (2,139.1, 2,614.9) | 0.0003184 (0.0002868, 0.0003505)   | 0.07299 (0.06670, 0.07932) |
| Indonesia | Drowning                                      | 45  | 161.5 (94.9, 262.6)          | 0.0000215 (0.0000126, 0.0000349) | 0.0037 (0.00218, 0.00599)  | 78.4 (43.2, 128.6)         | 0.0000105 (0.0000058, 0.0000172)   | 0.00241 (0.00133, 0.00391) |
| Indonesia | Falls                                         | 45  | 543.6 (418.2, 703.2)         | 0.0000722 (0.0000556, 0.0000934) | 0.01244 (0.00954, 0.01594) | 292.3 (218.5, 383.5)       | 0.0000392 (0.0000293, 0.0000514)   | 0.00898 (0.00673, 0.01172) |
| Indonesia | Interpersonal violence                        | 45  | 111.2 (73.6, 153.9)          | 0.0000148 (0.0000098, 0.0000204) | 0.00255 (0.00169, 0.00353) | 62.8 (38.4, 95.2)          | 0.0000084 (0.0000052, 0.0000128)   | 0.00193 (0.00118, 0.00291) |
| Indonesia | Self-harm                                     | 45  | 217.8 (160.8, 292.8)         | 0.0000289 (0.0000214, 0.0000389) | 0.00499 (0.00368, 0.00666) | 95.7 (66.0, 134.6)         | 0.0000128 (0.0000088, 0.0000180)   | 0.00294 (0.00199, 0.00411) |
| Indonesia | Transport injuries                            | 45  | 2,338.4 (2,006.6, 2,716.4)   | 0.0003107 (0.0002666, 0.0003609) | 0.05352 (0.04650, 0.06144) | 813.6 (674.0, 976.0)       | 0.0001091 (0.0000904, 0.0001308)   | 0.02501 (0.02107, 0.02973) |
| Indonesia | Other unintentional injuries                  | 45  | 725.3 (577.6, 888.4)         | 0.0000964 (0.0000767, 0.0001180) | 0.0166 (0.01344, 0.02040)  | 285.5 (217.9, 366.8)       | 0.0000383 (0.0000292, 0.0000492)   | 0.00878 (0.00671, 0.01119) |
| Indonesia | Diarrheal diseases                            | 50  | 893.7 (718.3, 1,082.9)       | 0.0001423 (0.0001144, 0.0001724) | 0.01625 (0.01315, 0.01974) | 968.8 (800.9, 1,158.6)     | 0.0001598 (0.0001321, 0.0001912)   | 0.02447 (0.02033, 0.02910) |
| Indonesia | HIV/AIDS                                      | 50  | 110.6 (66.5, 168.5)          | 0.0000176 (0.0000106, 0.0000268) | 0.00201 (0.00122, 0.00304) | 83.6 (49.4, 131.2)         | 0.0000138 (0.0000082, 0.0000216)   | 0.00211 (0.00124, 0.00329) |
| Indonesia | Lower respiratory infections                  | 50  | 711.5 (580.6, 848.1)         | 0.0001133 (0.0000925, 0.0001350) | 0.01294 (0.01066, 0.01537) | 555.7 (454.8, 679.6)       | 0.0000917 (0.0000750, 0.0001121)   | 0.01404 (0.01155, 0.01688) |
| Indonesia | Malaria                                       | 50  | 131.8 (88.6, 188.1)          | 0.000021 (0.0000141, 0.0000299)  | 0.0024 (0.00159, 0.00341)  | 89.3 (56.4, 134.1)         | 0.0000147 (0.0000093, 0.0000221)   | 0.00226 (0.00142, 0.00339) |
| Indonesia | Tuberculosis                                  | 50  | 4,855.4 (4,409.1, 5,336.1)   | 0.0007731 (0.0007021, 0.0008497) | 0.08829 (0.08146, 0.09546) | 2,642.4 (2,350.2, 2,983.4) | 0.000436 (0.0003878, 0.0004922)    | 0.06674 (0.06054, 0.07368) |
| Indonesia | Maternal disorders                            | 50  |                              |                                  |                            | 46.5 (17.5, 106.7)         | 0.0000077 (0.0000029, 0.0000176)   | 0.00118 (0.00044, 0.00278) |
| Indonesia | Other communicable diseases                   | 50  | 1,532.9 (1,287.7, 1,775.5)   | 0.0002441 (0.0002050, 0.0002827) | 0.02787 (0.02374, 0.03228) | 1,249.7 (1,047.9, 1,472.8) | 0.0002062 (0.0001729, 0.0002430)   | 0.03156 (0.02667, 0.03651) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 50  | 858.4 (702.3, 1,029.8)       | 0.0001367 (0.0001118, 0.0001640) | 0.01561 (0.01278, 0.01863) | 276.3 (205.4, 360.7)       | 0.0000456 (0.0000339, 0.0000595)   | 0.00698 (0.00522, 0.00911) |
| Indonesia | Breast cancer                                 | 50  | 46.2 (25.2, 79.6)            | 0.0000074 (0.0000040, 0.0000127) | 0.00084 (0.00046, 0.00146) | 1,939.4 (1,686.4, 2,222.9) | 0.00032 (0.0002782, 0.0003667)     | 0.04899 (0.04304, 0.05526) |
| Indonesia | Cervical cancer                               | 50  |                              |                                  |                            | 1,306.8 (1,085.5, 1,550.1) | 0.0002156 (0.0001791, 0.0002557)   | 0.033 (0.02770, 0.03864)   |
| Indonesia | Other malignant neoplasms                     | 50  | 3,230.7 (2,879.3, 3,608.8)   | 0.0005144 (0.0004585, 0.0005746) | 0.05874 (0.05370, 0.06428) | 1,617.2 (1,397.1, 1,847.1) | 0.0002668 (0.0002305, 0.0003048)   | 0.04085 (0.03583, 0.04602) |
| Indonesia | Cerebrovascular disease                       | 50  | 10,113.6 (9,351.6, 10,960.1) | 0.0016104 (0.0014891, 0.0017452) | 0.18389 (0.17560, 0.19239) | 8,102.2 (7,506.1, 8,688.6) | 0.0013368 (0.0012384, 0.0014335)   | 0.20464 (0.19516, 0.21406) |
| Indonesia | Ischemic heart disease                        | 50  | 10,137.7 (9,352.3, 10,931.3) | 0.0016143 (0.0014892, 0.0017406) | 0.18432 (0.17550, 0.19325) | 4,953.5 (4,539.9, 5,420.3) | 0.0008173 (0.0007490, 0.0008943)   | 0.1251 (0.11696, 0.13334)  |
| Indonesia | Other cardiovascular and circulatory diseases | 50  | 2,127.2 (1,876.5, 2,429.2)   | 0.0003387 (0.0002988, 0.0003868) | 0.03868 (0.03482, 0.04300) | 1,938.0 (1,717.3, 2,180.2) | 0.0003197 (0.0002833, 0.0003597)   | 0.04895 (0.04418, 0.05446) |
| Indonesia | Diabetes mellitus                             | 50  | 4,928.6 (4,479.8, 5,432.1)   | 0.0007848 (0.0007133, 0.0008650) | 0.08961 (0.08316, 0.09624) | 5,137.7 (4,723.1, 5,639.4) | 0.0008476 (0.0007793, 0.0009304)   | 0.12977 (0.12056, 0.13869) |
| Indonesia | Chronic kidney disease                        | 50  | 1,832.5 (1,609.6, 2,062.0)   | 0.0002918 (0.0002563, 0.0003283) | 0.03332 (0.02995, 0.03699) | 1,253.5 (1,100.5, 1,411.1) | 0.0002068 (0.0001816, 0.0002328)   | 0.03166 (0.02824, 0.03509) |
| Indonesia | Cirrhosis                                     | 50  | 3,465.5 (3,096.7, 3,846.3)   | 0.0005518 (0.0004931, 0.0006125) | 0.06301 (0.05764, 0.06823) | 1,702.2 (1,510.7, 1,918.5) | 0.0002808 (0.0002493, 0.0003165)   | 0.04299 (0.03888, 0.04779) |
| Indonesia | Chronic respiratory diseases                  | 50  | 2,921.3 (2,601.9, 3,283.6)   | 0.0004652 (0.0004143, 0.0005229) | 0.05312 (0.04806, 0.05887) | 1,605.5 (1,400.6, 1,817.3) | 0.0002649 (0.0002311, 0.0002998)   | 0.04056 (0.03555, 0.04525) |
| Indonesia | Other non-communicable diseases               | 50  | 3,350.9 (2,994.6, 3,682.6)   | 0.0005336 (0.0004769, 0.0005864) | 0.06093 (0.05553, 0.06584) | 2,687.3 (2,414.0, 2,965.6) | 0.0004434 (0.0003983, 0.0004893)   | 0.06788 (0.06192, 0.07401) |
| Indonesia | Drowning                                      | 50  | 127.6 (73.7, 203.3)          | 0.0000203 (0.0000117, 0.0000324) | 0.00232 (0.00134, 0.00368) | 60.8 (31.8, 102.9)         | 0.00001 (0.0000052, 0.0000170)     | 0.00154 (0.00081, 0.00260) |
| Indonesia | Falls                                         | 50  | 667.9 (520.6, 844.6)         | 0.0001064 (0.0000829, 0.0001345) | 0.01214 (0.00951, 0.01521) | 345.9 (270.9, 442.7)       | 0.0000571 (0.0000447, 0.0000730)   | 0.00874 (0.00685, 0.01119) |
| Indonesia | Interpersonal violence                        | 50  | 93.4 (60.6, 131.4)           | 0.0000149 (0.0000096, 0.0000209) | 0.0017 (0.00110, 0.00240)  | 48.6 (29.7, 76.8)          | 0.000008 (0.0000049, 0.0000127)    | 0.00123 (0.00075, 0.00191) |
| Indonesia | Self-harm                                     | 50  | 203.9 (147.5, 271.6)         | 0.0000325 (0.0000235, 0.0000432) | 0.00371 (0.00270, 0.00488) | 82.1 (54.2, 117.0)         | 0.0000135 (0.0000089, 0.0000193)   | 0.00207 (0.00138, 0.00298) |
| Indonesia | Transport injuries                            |     |                              |                                  |                            |                            |                                    |                            |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                         |                                  |                             | Females                       |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------------------|----------------------------------|-----------------------------|-------------------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Other unintentional injuries                  | 50  | 648.5 (513.1, 796.3)          | 0.0001033 (0.0000817, 0.0001268) | 0.01179 (0.00939, 0.01452)  | 238.6 (184.9, 307.9)          | 0.0000394 (0.0000305, 0.0000508) | 0.00603 (0.00466, 0.00770) |
| Indonesia | Diarrheal diseases                            | 55  | 1,022.9 (835.5, 1,247.6)      | 0.000217 (0.0001773, 0.0002647)  | 0.01702 (0.01413, 0.02047)  | 1,067.7 (890.6, 1,262.6)      | 0.0002483 (0.0002072, 0.0002937) | 0.02532 (0.02143, 0.02942) |
| Indonesia | HIV/AIDS                                      | 55  | 48.9 (23.5, 83.8)             | 0.0000104 (0.0000050, 0.0000178) | 0.00081 (0.000039, 0.00140) | 35.7 (16.7, 65.1)             | 0.0000083 (0.0000039, 0.0000151) | 0.00085 (0.00039, 0.00153) |
| Indonesia | Lower respiratory infections                  | 55  | 765.4 (641.0, 910.1)          | 0.0001624 (0.0001360, 0.0001931) | 0.01274 (0.01067, 0.01503)  | 594.4 (493.6, 706.7)          | 0.0001383 (0.0001148, 0.0001644) | 0.0141 (0.01180, 0.01662)  |
| Indonesia | Malaria                                       | 55  | 130.1 (89.9, 186.3)           | 0.0000276 (0.0000191, 0.0000395) | 0.00217 (0.00147, 0.00311)  | 84.1 (52.4, 127.1)            | 0.0000196 (0.0000122, 0.0000296) | 0.002 (0.00124, 0.00303)   |
| Indonesia | Tuberculosis                                  | 55  | 4,503.5 (4,045.5, 5,002.7)    | 0.0009554 (0.0008582, 0.0010613) | 0.07495 (0.06854, 0.08138)  | 2,366.6 (2,105.2, 2,658.8)    | 0.0005505 (0.0004897, 0.0006185) | 0.05614 (0.05054, 0.06194) |
| Indonesia | Other communicable diseases                   | 55  | 1,538.5 (1,295.4, 1,797.9)    | 0.0003264 (0.0002748, 0.0003814) | 0.0256 (0.02192, 0.02923)   | 1,221.4 (1,015.7, 1,446.0)    | 0.0002841 (0.0002363, 0.0003364) | 0.02897 (0.02442, 0.03372) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 55  | 919.7 (762.8, 1,105.9)        | 0.0001951 (0.0001618, 0.0002346) | 0.01531 (0.01295, 0.01829)  | 241.4 (182.3, 313.1)          | 0.0000562 (0.0000424, 0.0000728) | 0.00573 (0.00435, 0.00727) |
| Indonesia | Breast cancer                                 | 55  | 44.1 (24.8, 72.4)             | 0.0000094 (0.0000053, 0.0000154) | 0.00073 (0.00042, 0.00121)  | 1,559.5 (1,343.9, 1,802.6)    | 0.0003628 (0.0003126, 0.0004193) | 0.03699 (0.03218, 0.04224) |
| Indonesia | Cervical cancer                               | 55  |                               |                                  |                             | 987.1 (801.2, 1,199.5)        | 0.0002296 (0.0001864, 0.0002790) | 0.02341 (0.01916, 0.02807) |
| Indonesia | Other malignant neoplasms                     | 55  | 2,840.8 (2,517.9, 3,210.2)    | 0.0006026 (0.0005341, 0.0006810) | 0.04727 (0.04287, 0.05181)  | 1,517.8 (1,314.4, 1,719.1)    | 0.000353 (0.0003057, 0.0003999)  | 0.036 (0.03158, 0.04049)   |
| Indonesia | Cerebrovascular disease                       | 55  | 12,607.9 (11,584.5, 13,673.1) | 0.0026746 (0.0024575, 0.0029006) | 0.20979 (0.20158, 0.21875)  | 9,873.4 (9,180.4, 10,582.3)   | 0.0022966 (0.0021354, 0.0024615) | 0.23418 (0.22512, 0.24360) |
| Indonesia | Ischemic heart disease                        | 55  | 11,915.2 (10,918.6, 12,919.0) | 0.0025277 (0.0023163, 0.0027406) | 0.19827 (0.18914, 0.20671)  | 5,834.5 (5,390.4, 6,341.5)    | 0.0013572 (0.0012539, 0.0014751) | 0.13838 (0.13098, 0.14585) |
| Indonesia | Other cardiovascular and circulatory diseases | 55  | 2,615.3 (2,308.1, 2,953.0)    | 0.0005548 (0.0004896, 0.0006264) | 0.04352 (0.03951, 0.04828)  | 2,282.4 (2,031.6, 2,560.8)    | 0.0005309 (0.0004726, 0.0005957) | 0.05414 (0.04883, 0.05966) |
| Indonesia | Diabetes mellitus                             | 55  | 5,622.3 (5,119.6, 6,175.7)    | 0.0011927 (0.0010861, 0.0013101) | 0.09356 (0.08695, 0.10007)  | 5,696.6 (5,247.3, 6,194.0)    | 0.0013251 (0.0012206, 0.0014408) | 0.13512 (0.12693, 0.14377) |
| Indonesia | Chronic kidney disease                        | 55  | 1,927.1 (1,696.1, 2,185.8)    | 0.0004088 (0.0003598, 0.0004637) | 0.03207 (0.02865, 0.03553)  | 1,269.2 (1,104.7, 1,424.0)    | 0.0002952 (0.0002570, 0.0003312) | 0.0301 (0.02677, 0.03346)  |
| Indonesia | Cirrhosis                                     | 55  | 3,353.7 (2,973.2, 3,763.6)    | 0.0007114 (0.0006307, 0.0007984) | 0.0558 (0.05084, 0.06103)   | 1,630.3 (1,449.6, 1,832.5)    | 0.0003792 (0.0003372, 0.0004262) | 0.03866 (0.03499, 0.04287) |
| Indonesia | Chronic respiratory diseases                  | 55  | 3,480.7 (3,118.6, 3,879.9)    | 0.0007384 (0.0006616, 0.0008231) | 0.05793 (0.05246, 0.06328)  | 1,831.0 (1,626.7, 2,053.2)    | 0.0004259 (0.0003784, 0.0004776) | 0.04343 (0.03920, 0.04799) |
| Indonesia | Other non-communicable diseases               | 55  | 3,750.9 (3,381.0, 4,131.6)    | 0.0007957 (0.0007172, 0.0008765) | 0.06242 (0.05779, 0.06763)  | 2,925.0 (2,652.8, 3,217.0)    | 0.0006804 (0.0006171, 0.0007483) | 0.06938 (0.06379, 0.07542) |
| Indonesia | Drowning                                      | 55  | 93.9 (50.5, 167.2)            | 0.0000199 (0.0000107, 0.0000355) | 0.00156 (0.00085, 0.00271)  | 44.7 (22.6, 78.7)             | 0.0000104 (0.0000053, 0.0000183) | 0.00106 (0.00054, 0.00188) |
| Indonesia | Falls                                         | 55  | 728.9 (573.8, 905.3)          | 0.0001546 (0.0001217, 0.0001920) | 0.01213 (0.00961, 0.01493)  | 368.8 (289.7, 470.7)          | 0.0000858 (0.0000674, 0.0001095) | 0.00875 (0.00689, 0.01106) |
| Indonesia | Interpersonal violence                        | 55  | 74.7 (46.2, 111.2)            | 0.0000158 (0.0000098, 0.0000236) | 0.00124 (0.00078, 0.00183)  | 35.9 (21.2, 56.4)             | 0.0000083 (0.0000049, 0.0000131) | 0.00085 (0.00050, 0.00134) |
| Indonesia | Self-harm                                     | 55  | 189.0 (137.5, 255.4)          | 0.0000401 (0.0000292, 0.0000542) | 0.00315 (0.00231, 0.00421)  | 69.7 (47.7, 99.7)             | 0.0000162 (0.0000111, 0.0000232) | 0.00165 (0.00112, 0.00235) |
| Indonesia | Transport injuries                            | 55  | 1,376.0 (1,124.4, 1,668.0)    | 0.0002919 (0.0002385, 0.0003538) | 0.0229 (0.01888, 0.02734)   | 433.9 (346.8, 541.1)          | 0.0001009 (0.0000807, 0.0001259) | 0.01029 (0.00824, 0.01260) |
| Indonesia | Other unintentional injuries                  | 55  | 544.6 (418.5, 687.2)          | 0.0001155 (0.0000888, 0.0001458) | 0.00907 (0.00694, 0.01135)  | 189.4 (144.0, 242.9)          | 0.0000441 (0.0000335, 0.0000565) | 0.00449 (0.00343, 0.00574) |
| Indonesia | Diarrheal diseases                            | 60  | 1,243.4 (1,037.0, 1,502.7)    | 0.0003962 (0.0003305, 0.0004789) | 0.01853 (0.01569, 0.02193)  | 1,408.4 (1,192.8, 1,636.3)    | 0.0004246 (0.0003596, 0.0004934) | 0.02761 (0.02377, 0.03206) |
| Indonesia | HIV/AIDS                                      | 60  | 36.6 (14.5, 67.4)             | 0.0000117 (0.0000046, 0.0000215) | 0.00055 (0.00022, 0.00099)  | 29.0 (12.5, 52.1)             | 0.0000087 (0.0000038, 0.0000157) | 0.00057 (0.00024, 0.00102) |
| Indonesia | Lower respiratory infections                  | 60  | 1,109.3 (947.8, 1,293.4)      | 0.0003535 (0.0003021, 0.0004122) | 0.01654 (0.01428, 0.01902)  | 996.9 (845.8, 1,165.8)        | 0.0003006 (0.0002558, 0.0003515) | 0.01955 (0.01693, 0.02261) |
| Indonesia | Malaria                                       | 60  | 145.9 (101.2, 203.4)          | 0.0000465 (0.0000323, 0.0000648) | 0.00218 (0.00150, 0.00305)  | 94.6 (59.0, 144.6)            | 0.0000285 (0.0000178, 0.0000436) | 0.00186 (0.00116, 0.00286) |
| Indonesia | Tuberculosis                                  | 60  | 5,633.7 (5,080.8, 6,194.2)    | 0.0017953 (0.0016191, 0.0019739) | 0.08397 (0.07807, 0.09067)  | 3,253.4 (2,926.2, 3,620.3)    | 0.0009809 (0.0008822, 0.0010915) | 0.06379 (0.05834, 0.07003) |
| Indonesia | Other communicable diseases                   | 60  | 1,355.9 (1,117.9, 1,595.8)    | 0.0004321 (0.0003562, 0.0005086) | 0.02021 (0.01701, 0.02361)  | 1,187.1 (981.8, 1,408.2)      | 0.0003579 (0.0002960, 0.0004246) | 0.02327 (0.01933, 0.02740) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 60  | 998.4 (835.1, 1,196.3)        | 0.0003182 (0.0002661, 0.0003812) | 0.01488 (0.01264, 0.01738)  | 255.6 (193.4, 323.0)          | 0.0000771 (0.0000583, 0.0000974) | 0.00501 (0.00380, 0.00629) |
| Indonesia | Breast cancer                                 | 60  | 42.3 (22.2, 73.1)             | 0.0000135 (0.0000071, 0.0000233) | 0.00063 (0.00033, 0.00106)  | 1,298.0 (1,096.8, 1,511.2)    | 0.0003914 (0.0003307, 0.0004556) | 0.02545 (0.02160, 0.02964) |
| Indonesia | Cervical cancer                               | 60  |                               |                                  |                             | 927.7 (751.1, 1,125.1)        | 0.0002797 (0.0002265, 0.0003392) | 0.01819 (0.01488, 0.02180) |
| Indonesia | Other malignant neoplasms                     | 60  | 2,896.3 (2,564.2, 3,258.2)    | 0.000923 (0.0008172, 0.0010383)  | 0.04316 (0.03927, 0.04718)  | 1,788.9 (1,565.7, 2,036.2)    | 0.0005393 (0.0004721, 0.0006139) | 0.03507 (0.03102, 0.03937) |
| Indonesia | Cerebrovascular disease                       | 60  | 14,859.4 (13,604.0, 16,071.5) | 0.0047353 (0.0043353, 0.0051216) | 0.22143 (0.21310, 0.22971)  | 12,851.4 (12,020.9, 13,712.2) | 0.0038747 (0.0036243, 0.0041342) | 0.25197 (0.24298, 0.26107) |
| Indonesia | Ischemic heart disease                        | 60  | 12,628.6 (11,584.2, 13,642.0) | 0.0040244 (0.0036916, 0.0043474) | 0.1882 (0.18119, 0.19611)   | 7,102.3 (6,593.7, 7,671.8)    | 0.0021413 (0.0019880, 0.0023130) | 0.13925 (0.13214, 0.14710) |
| Indonesia | Other cardiovascular and circulatory diseases | 60  | 3,141.7 (2,787.6, 3,518.7)    | 0.0010012 (0.0008883, 0.0011213) | 0.04682 (0.04269, 0.05090)  | 2,882.7 (2,611.8, 3,206.1)    | 0.0008691 (0.0007875, 0.0009666) | 0.05652 (0.05154, 0.06196) |
| Indonesia | Diabetes mellitus                             | 60  | 5,400.7 (4,890.8, 5,958.8)    | 0.0017211 (0.0015586, 0.0018989) | 0.08049 (0.07476, 0.08636)  | 5,983.0 (5,505.0, 6,521.1)    | 0.0018039 (0.0016598, 0.0019661) | 0.11732 (0.10978, 0.12610) |
| Indonesia | Chronic kidney disease                        | 60  | 1,926.9 (1,702.9, 2,200.3)    | 0.0006141 (0.0005427, 0.0007012) | 0.02872 (0.02582, 0.03188)  | 1,353.1 (1,183.1, 1,530.5)    | 0.000408 (0.0003567, 0.0004614)  | 0.02653 (0.02352, 0.02982) |
| Indonesia | Cirrhosis                                     | 60  | 3,121.9 (2,766.1, 3,496.6)    | 0.0009949 (0.0008815, 0.0011143) | 0.04653 (0.04230, 0.05083)  | 1,698.8 (1,503.5, 1,914.8)    | 0.0005122 (0.0004533, 0.0005773) | 0.03331 (0.02975, 0.03706) |
| Indonesia | Chronic respiratory diseases                  | 60  | 5,369.7 (4,852.9, 5,928.7)    | 0.0017112 (0.0015465, 0.0018893) | 0.08004 (0.07407, 0.08632)  | 2,922.1 (2,656.4, 3,211.0)    | 0.000881 (0.0008009, 0.0009681)  | 0.0573 (0.05266, 0.06245)  |
| Indonesia | Other non-communicable diseases               | 60  | 4,583.8 (4,127.2, 5,055.1)    | 0.0014608 (0.0013152, 0.0016109) | 0.06832 (0.06359, 0.07326)  | 3,854.2 (3,529.2, 4,232.3)    | 0.001162 (0.0010641, 0.0012760)  | 0.07557 (0.07036, 0.08106) |
| Indonesia | Drowning                                      | 60  | 74.6 (35.3, 130.2)            | 0.0000238 (0.0000112, 0.0000415) | 0.00111 (0.00053, 0.00192)  | 42.7 (18.3, 78.3)             | 0.0000129 (0.0000055, 0.0000236) | 0.00084 (0.00036, 0.00154) |
| Indonesia | Falls                                         | 60  | 645.2 (494.1, 811.5)          | 0.0002056 (0.0001575, 0.0002586) | 0.00962 (0.00748, 0.01197)  | 378.6 (296.7, 480.2)          | 0.0001141 (0.0000895, 0.0001448) | 0.00742 (0.00580, 0.00930) |
| Indonesia | Interpersonal violence                        | 60  | 55.1 (32.9, 85.5)             | 0.0000175 (0.0000105, 0.0000272) | 0.00082 (0.00048, 0.00128)  | 27.5 (15.6, 47.7)             | 0.0000083 (0.0000047, 0.0000144) | 0.00054 (0.00030, 0.00093) |
| Indonesia | Self-harm                                     | 60  | 159.7 (113.5, 219.3)          | 0.0000509 (0.0000362, 0.0000699) | 0.00238 (0.00171, 0.00324)  | 60.4 (40.1, 86.7)             | 0.0000182 (0.0000121, 0.0000261) | 0.00118 (0.00079, 0.00171) |
| Indonesia | Transport injuries                            | 60  | 1,203.2 (980.6, 1,462.3)      | 0.0003834 (0.0003125, 0.0004660) | 0.01793 (0.01491, 0.02151)  | 427.9 (339.4, 534.1)          | 0.000129 (0.0001023, 0.0001610)  | 0.00839 (0.00663, 0.01034) |
| Indonesia | Other unintentional injuries                  | 60  | 466.8 (357.3, 595.4)          | 0.0001488 (0.0001139, 0.0001897) | 0.00696 (0.00534, 0.00884)  | 177.5 (129.8, 230.8)          | 0.0000535 (0.0000391, 0.0000696) | 0.00348 (0.00255, 0.00451) |
| Indonesia | Diarrheal diseases                            | 65  | 2,117.7 (1,806.0, 2,460.9)    | 0.0008908 (0.0007596, 0.0010351) | 0.02941 (0.02561, 0.03349)  | 2,493.4 (2,161.9, 2,821.3)    | 0.0009613 (0.0008335, 0.0010878) | 0.04261 (0.03753, 0.04785) |
| Indonesia | HIV/AIDS                                      | 65  | 36.2 (16.5, 65.2)             | 0.0000152 (0.0000069, 0.0000274) | 0.0005 (0.00023, 0.00089)   | 29.8 (13.0, 52.7)             | 0.0000115 (0.0000050, 0.0000203) | 0.00051 (0.00023, 0.00089) |
| Indonesia | Lower respiratory infections                  | 65  | 1,355.3 (1,139.4, 1,582.9)    | 0.0005057 (0.0004793, 0.0006658) | 0.01883 (0.01605, 0.02170)  | 1,306.5 (1,128.9, 1,497.5)    | 0.0005037 (0.0004352, 0.0005774) | 0.02233 (0.01935, 0.02528) |
| Indonesia | Malaria                                       | 65  | 144.5 (97.0, 202.5)           | 0.0000608 (0.0000408, 0.0000852) | 0.00201 (0.00136, 0.00282)  | 92.2 (58.5, 141.5)            | 0.0000356 (0.0000225, 0.0000546) | 0.00158 (0.00100, 0.00242) |
| Indonesia | Tuberculosis                                  | 65  | 6,069.4 (5,474.6, 6,664.1)    | 0.0025529 (0.0023027, 0.0028030) | 0.0843 (0.07836, 0.09069)   | 3,517.8 (3,137.7, 3,922.2)    | 0.0013563 (0.0012098, 0.0015122) | 0.06011 (0.05469, 0.06573) |
| Indonesia | Other communicable diseases                   | 65  | 1,363.7 (1,101.7, 1,637.9)    | 0.0005736 (0.0004634, 0.0006889) | 0.01894 (0.01574, 0.02244)  | 1,270.4 (1,036.9, 1,526.4)    | 0.0004898 (0.0003998, 0.0005885) | 0.0217 (0.01794, 0.02573)  |
| Indonesia | Tracheal, bronchus, and lung cancer           | 65  | 925.1 (757.0, 1,131.2)        | 0.0003891 (0.0003184, 0.0004758) | 0.01285 (0.01064, 0.01543)  | 222.0 (165.5, 287.1)          | 0.0000856 (0.0000638, 0.0001107) | 0.00379 (0.00284, 0.00487) |
| Indonesia | Breast cancer                                 | 65  | 34.1 (15.1, 62.4)             | 0.0000143 (0.0000064, 0.0000262) | 0.00047 (0.00021, 0.00087)  | 992.7 (818.6, 1,193.2)        | 0.0003827 (0.0003156, 0.0004601) | 0.01696 (0.01411, 0.02033) |
| Indonesia | Cervical cancer                               | 65  |                               |                                  |                             | 733.3 (575.9, 920.1)          | 0.0002827 (0.0002221, 0.0003548) | 0.01253 (0.00987, 0.01566) |
| Indonesia | Other malignant neoplasms                     | 65  | 2,448.4 (2,143.9, 2,750.5)    | 0.0010298 (0.0009018, 0.0011569) | 0.034 (0.03064, 0.03741)    | 1,914.9 (1,682.0, 2,178.8)    | 0.0007383 (0.0006485, 0.0008400) | 0.03272 (0.02872, 0.03707) |
| Indonesia | Cerebrovascular disease                       | 65  | 16,840.6 (15,266.0, 18,330.6) | 0.0070835 (0.0064212, 0.0077102) | 0.23386 (0.22471, 0.24252)  | 15,828.6 (14,780.5, 16,879.5) | 0.0061028 (0.0                   |                            |



Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                         |                                  |                            | Females                       |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------------------|----------------------------------|----------------------------|-------------------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | Other cardiovascular and circulatory diseases | 65  | 3,743.5 (3,315.4, 4,192.6)    | 0.0015746 (0.0013945, 0.0017635) | 0.05199 (0.04767, 0.05617) | 3,661.5 (3,329.2, 4,033.1)    | 0.0014117 (0.0012836, 0.0015550) | 0.06256 (0.05769, 0.06794) |
| Indonesia | Diabetes mellitus                             | 65  | 4,650.6 (4,145.6, 5,142.6)    | 0.0019561 (0.0017437, 0.0021631) | 0.06459 (0.05964, 0.07001) | 5,579.0 (5,092.8, 6,111.7)    | 0.002151 (0.0019635, 0.0023564)  | 0.09532 (0.08849, 0.10210) |
| Indonesia | Chronic kidney disease                        | 65  | 1,947.3 (1,695.8, 2,240.9)    | 0.0008191 (0.0007133, 0.0009426) | 0.02704 (0.02419, 0.03010) | 1,438.5 (1,263.1, 1,632.8)    | 0.0005546 (0.0004870, 0.0006295) | 0.02458 (0.02195, 0.02747) |
| Indonesia | Cirrhosis                                     | 65  | 2,655.2 (2,326.7, 3,012.6)    | 0.0011168 (0.0009787, 0.0012672) | 0.03688 (0.03310, 0.04047) | 1,604.3 (1,428.7, 1,813.2)    | 0.0006185 (0.0005508, 0.0006991) | 0.02741 (0.02449, 0.03047) |
| Indonesia | Chronic respiratory diseases                  | 65  | 6,369.7 (5,753.0, 7,025.2)    | 0.0026792 (0.0024198, 0.0029549) | 0.08848 (0.08219, 0.09511) | 3,698.2 (3,373.7, 4,046.4)    | 0.0014259 (0.0013007, 0.0015601) | 0.0632 (0.05829, 0.06865)  |
| Indonesia | Other non-communicable diseases               | 65  | 5,570.7 (4,993.6, 6,163.7)    | 0.0023432 (0.0021004, 0.0025926) | 0.07737 (0.07201, 0.08258) | 5,044.6 (4,634.3, 5,508.8)    | 0.001945 (0.0017868, 0.0021239)  | 0.08619 (0.08055, 0.09219) |
| Indonesia | Drowning                                      | 65  | 63.6 (30.0, 116.1)            | 0.0000268 (0.0000126, 0.0000488) | 0.00088 (0.00042, 0.00158) | 42.6 (18.5, 80.6)             | 0.0000164 (0.0000071, 0.0000311) | 0.00073 (0.00032, 0.00137) |
| Indonesia | Falls                                         | 65  | 710.2 (546.7, 893.2)          | 0.0002987 (0.0002300, 0.0003757) | 0.00986 (0.00762, 0.01215) | 472.1 (365.8, 601.4)          | 0.000182 (0.0001410, 0.0002319)  | 0.00807 (0.00631, 0.01029) |
| Indonesia | Interpersonal violence                        | 65  | 42.9 (23.5, 72.7)             | 0.0000181 (0.0000099, 0.0000306) | 0.0006 (0.00032, 0.00101)  | 21.8 (11.1, 40.3)             | 0.0000084 (0.0000043, 0.0000155) | 0.00037 (0.00019, 0.00068) |
| Indonesia | Self-harm                                     | 65  | 144.7 (98.1, 205.7)           | 0.0000609 (0.0000413, 0.0000865) | 0.00201 (0.00138, 0.00284) | 54.3 (33.9, 81.0)             | 0.0000209 (0.0000131, 0.0000312) | 0.00093 (0.00059, 0.00140) |
| Indonesia | Transport injuries                            | 65  | 1,039.6 (824.6, 1,279.1)      | 0.0004373 (0.0003469, 0.0005380) | 0.01444 (0.01158, 0.01760) | 407.1 (306.9, 524.0)          | 0.000157 (0.0001183, 0.0002020)  | 0.00696 (0.00531, 0.00895) |
| Indonesia | Other unintentional injuries                  | 65  | 439.1 (334.7, 566.3)          | 0.0001847 (0.0001408, 0.0002382) | 0.0061 (0.00467, 0.00779)  | 176.9 (132.3, 231.2)          | 0.0000682 (0.0000510, 0.0000892) | 0.00302 (0.00222, 0.00398) |
| Indonesia | Diarrheal diseases                            | 70  | 3,241.9 (2,833.6, 3,670.7)    | 0.001978 (0.0017289, 0.0022396)  | 0.0412 (0.03688, 0.04552)  | 4,125.4 (3,688.5, 4,553.8)    | 0.0020198 (0.0018059, 0.0022295) | 0.05556 (0.04999, 0.06082) |
| Indonesia | HIV/AIDS                                      | 70  | 51.2 (24.4, 95.0)             | 0.0000313 (0.0000149, 0.0000580) | 0.00065 (0.00032, 0.00122) | 47.4 (23.0, 88.9)             | 0.0000232 (0.0000113, 0.0000435) | 0.00064 (0.00031, 0.00120) |
| Indonesia | Lower respiratory infections                  | 70  | 1,897.2 (1,632.2, 2,195.1)    | 0.0011576 (0.0009959, 0.0013393) | 0.02412 (0.02107, 0.02722) | 2,073.3 (1,820.3, 2,331.7)    | 0.0010151 (0.0008912, 0.0011416) | 0.02793 (0.02472, 0.03138) |
| Indonesia | Malaria                                       | 70  | 142.0 (93.9, 201.8)           | 0.0000866 (0.0000573, 0.0001232) | 0.00181 (0.00123, 0.00260) | 95.5 (57.0, 151.1)            | 0.0000467 (0.0000279, 0.0000740) | 0.00129 (0.00077, 0.00203) |
| Indonesia | Tuberculosis                                  | 70  | 6,568.8 (5,900.7, 7,225.9)    | 0.0040079 (0.0036003, 0.0044088) | 0.08349 (0.07769, 0.08900) | 4,388.3 (3,948.6, 4,833.7)    | 0.0021485 (0.0019332, 0.0023665) | 0.0591 (0.05392, 0.06412)  |
| Indonesia | Other communicable diseases                   | 70  | 1,564.4 (1,324.4, 1,865.6)    | 0.0009545 (0.0008081, 0.0011383) | 0.01988 (0.01710, 0.02331) | 1,583.7 (1,331.1, 1,884.5)    | 0.0007754 (0.0006517, 0.0009226) | 0.02133 (0.01798, 0.02518) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 70  | 837.7 (683.0, 1,022.9)        | 0.0005111 (0.0004167, 0.0006241) | 0.01065 (0.00880, 0.01272) | 230.2 (165.5, 307.1)          | 0.0001127 (0.0000810, 0.0001503) | 0.0031 (0.00225, 0.00407)  |
| Indonesia | Breast cancer                                 | 70  | 24.9 (10.0, 50.0)             | 0.0000152 (0.0000061, 0.0000305) | 0.00032 (0.00013, 0.00064) | 752.7 (592.6, 926.1)          | 0.0003685 (0.0002901, 0.0004534) | 0.01014 (0.00804, 0.01245) |
| Indonesia | Cervical cancer                               | 70  |                               |                                  |                            | 539.5 (402.5, 705.6)          | 0.0002641 (0.0001970, 0.0003455) | 0.00726 (0.00540, 0.00941) |
| Indonesia | Other malignant neoplasms                     | 70  | 1,996.3 (1,713.4, 2,290.4)    | 0.001218 (0.0010454, 0.0013975)  | 0.02537 (0.02289, 0.02828) | 1,949.0 (1,692.2, 2,234.5)    | 0.0009542 (0.0008285, 0.0010940) | 0.02625 (0.02300, 0.02975) |
| Indonesia | Cerebrovascular disease                       | 70  | 18,727.8 (16,964.8, 20,495.1) | 0.0114267 (0.0103510, 0.0125050) | 0.23798 (0.22915, 0.24644) | 20,787.5 (19,463.9, 22,145.0) | 0.0101773 (0.0095293, 0.0108419) | 0.27995 (0.27054, 0.28845) |
| Indonesia | Ischemic heart disease                        | 70  | 13,642.0 (12,365.9, 14,836.2) | 0.0083236 (0.0075450, 0.0090522) | 0.17337 (0.16591, 0.18061) | 10,074.2 (9,323.7, 10,901.3)  | 0.0049322 (0.0045648, 0.0053371) | 0.13567 (0.12906, 0.14254) |
| Indonesia | Other cardiovascular and circulatory diseases | 70  | 4,414.0 (3,917.1, 4,924.1)    | 0.0026932 (0.0023900, 0.0030044) | 0.0561 (0.05167, 0.06088)  | 4,970.9 (4,522.8, 5,466.5)    | 0.0024337 (0.0022143, 0.0026764) | 0.06695 (0.06198, 0.07268) |
| Indonesia | Diabetes mellitus                             | 70  | 3,685.4 (3,282.2, 4,110.5)    | 0.0022486 (0.0020026, 0.0025080) | 0.04684 (0.04335, 0.05090) | 5,295.0 (4,819.3, 5,822.7)    | 0.0025924 (0.0023595, 0.0028507) | 0.07131 (0.06575, 0.07707) |
| Indonesia | Chronic kidney disease                        | 70  | 1,805.0 (1,578.8, 2,089.0)    | 0.0011013 (0.0009633, 0.0012746) | 0.02294 (0.02052, 0.02566) | 1,580.1 (1,379.4, 1,811.6)    | 0.0007736 (0.0006753, 0.0008869) | 0.02128 (0.01876, 0.02415) |
| Indonesia | Cirrhosis                                     | 70  | 2,427.8 (2,100.9, 2,769.8)    | 0.0014813 (0.0012819, 0.0016900) | 0.03085 (0.02781, 0.03406) | 1,732.3 (1,517.3, 1,948.9)    | 0.0008481 (0.0007429, 0.0009541) | 0.02333 (0.02061, 0.02598) |
| Indonesia | Chronic respiratory diseases                  | 70  | 8,409.4 (7,647.5, 9,283.9)    | 0.005131 (0.0046661, 0.0056645)  | 0.10689 (0.10012, 0.11346) | 5,545.3 (5,086.3, 6,011.1)    | 0.0027149 (0.0024902, 0.0029429) | 0.07469 (0.06935, 0.07991) |
| Indonesia | Other non-communicable diseases               | 70  | 6,652.8 (5,981.1, 7,322.4)    | 0.0040592 (0.0036493, 0.0044677) | 0.08455 (0.07962, 0.09001) | 7,032.4 (6,494.2, 7,629.7)    | 0.003443 (0.0031795, 0.0037354)  | 0.09471 (0.08926, 0.10067) |
| Indonesia | Drowning                                      | 70  | 114.5 (64.1, 190.0)           | 0.0000699 (0.0000391, 0.0001160) | 0.00146 (0.00082, 0.00238) | 84.9 (46.7, 140.6)            | 0.0000415 (0.0000229, 0.0000688) | 0.00114 (0.00062, 0.00190) |
| Indonesia | Falls                                         | 70  | 837.9 (649.7, 1,039.8)        | 0.0005112 (0.0003964, 0.0006344) | 0.01065 (0.00839, 0.01313) | 628.9 (491.8, 774.3)          | 0.0003079 (0.0002408, 0.0003791) | 0.00847 (0.00661, 0.01040) |
| Indonesia | Interpersonal violence                        | 70  | 31.2 (15.0, 56.4)             | 0.0000191 (0.0000091, 0.0000344) | 0.0004 (0.00019, 0.00070)  | 18.0 (8.0, 36.6)              | 0.0000088 (0.0000039, 0.0000179) | 0.00024 (0.00011, 0.00049) |
| Indonesia | Self-harm                                     | 70  | 124.4 (84.0, 181.8)           | 0.0000759 (0.0000512, 0.0001109) | 0.00158 (0.00108, 0.00231) | 53.3 (33.2, 80.9)             | 0.0000261 (0.0000163, 0.0000396) | 0.00072 (0.00044, 0.00109) |
| Indonesia | Transport injuries                            | 70  | 1,042.0 (826.7, 1,286.5)      | 0.0006358 (0.0005044, 0.0007850) | 0.01325 (0.01073, 0.01614) | 461.6 (355.8, 589.7)          | 0.000226 (0.0001742, 0.0002887)  | 0.00622 (0.00478, 0.00793) |
| Indonesia | Other unintentional injuries                  | 70  | 444.8 (338.3, 566.4)          | 0.0002714 (0.0002064, 0.0003456) | 0.00566 (0.00436, 0.00720) | 202.6 (147.9, 273.7)          | 0.0000992 (0.0000724, 0.0001340) | 0.00273 (0.00199, 0.00367) |
| Indonesia | Diarrheal diseases                            | 75  | 2,957.1 (2,563.9, 3,392.1)    | 0.0032914 (0.0028538, 0.0037757) | 0.04947 (0.04413, 0.05476) | 4,433.2 (3,956.5, 4,909.5)    | 0.0036189 (0.0032298, 0.0040077) | 0.06389 (0.05784, 0.07004) |
| Indonesia | HIV/AIDS                                      | 75  | 30.7 (14.7, 59.4)             | 0.0000342 (0.0000163, 0.0000661) | 0.00051 (0.00024, 0.00099) | 33.5 (16.0, 64.9)             | 0.0000274 (0.0000131, 0.0000530) | 0.00048 (0.00023, 0.00092) |
| Indonesia | Lower respiratory infections                  | 75  | 1,519.2 (1,297.3, 1,767.3)    | 0.001691 (0.0014440, 0.0019672)  | 0.02542 (0.02221, 0.02875) | 1,953.7 (1,691.1, 2,229.5)    | 0.0015949 (0.0013805, 0.0018200) | 0.02816 (0.02474, 0.03178) |
| Indonesia | Malaria                                       | 75  | 105.9 (68.0, 158.9)           | 0.0001179 (0.0000757, 0.0001768) | 0.00178 (0.00113, 0.00268) | 83.2 (48.0, 133.6)            | 0.0000679 (0.0000392, 0.0001091) | 0.0012 (0.00069, 0.00192)  |
| Indonesia | Tuberculosis                                  | 75  | 4,263.2 (3,755.2, 4,784.7)    | 0.0047453 (0.0041798, 0.0053257) | 0.07134 (0.06535, 0.07790) | 3,359.4 (3,000.5, 3,762.9)    | 0.0027424 (0.0024494, 0.0030717) | 0.04842 (0.04369, 0.05337) |
| Indonesia | Other communicable diseases                   | 75  | 1,146.4 (924.7, 1,396.1)      | 0.0012761 (0.0010293, 0.0015539) | 0.01918 (0.01583, 0.02289) | 1,370.3 (1,133.2, 1,661.4)    | 0.0011186 (0.0009250, 0.0013562) | 0.01975 (0.01643, 0.02341) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 75  | 521.6 (407.3, 657.2)          | 0.0005806 (0.0004534, 0.0007315) | 0.00873 (0.00700, 0.01078) | 164.4 (114.6, 225.0)          | 0.0001342 (0.0000936, 0.0001837) | 0.00237 (0.00165, 0.00323) |
| Indonesia | Breast cancer                                 | 75  | 12.5 (4.5, 26.6)              | 0.0000139 (0.0000050, 0.0000296) | 0.00021 (0.00007, 0.00045) | 458.7 (333.8, 597.3)          | 0.0003744 (0.0002725, 0.0004876) | 0.00661 (0.00490, 0.00858) |
| Indonesia | Cervical cancer                               | 75  |                               |                                  |                            | 309.9 (213.8, 426.0)          | 0.0002529 (0.0001745, 0.0003478) | 0.00446 (0.00311, 0.00614) |
| Indonesia | Other malignant neoplasms                     | 75  | 1,170.8 (993.7, 1,363.9)      | 0.0013031 (0.0011061, 0.0015182) | 0.01959 (0.01724, 0.02226) | 1,574.1 (1,360.2, 1,818.0)    | 0.001285 (0.0011104, 0.0014841)  | 0.02269 (0.01962, 0.02597) |
| Indonesia | Cerebrovascular disease                       | 75  | 14,295.1 (12,781.0, 15,630.4) | 0.0159115 (0.0142261, 0.0173978) | 0.23913 (0.22950, 0.24836) | 19,677.9 (18,337.1, 21,011.6) | 0.0160636 (0.0149690, 0.0171523) | 0.28358 (0.27402, 0.29299) |
| Indonesia | Ischemic heart disease                        | 75  | 11,081.6 (9,953.9, 12,178.0)  | 0.0123346 (0.0110794, 0.0135550) | 0.18541 (0.17670, 0.19476) | 10,245.7 (9,450.2, 11,081.8)  | 0.0083638 (0.0077144, 0.0090464) | 0.14765 (0.13959, 0.15587) |
| Indonesia | Other cardiovascular and circulatory diseases | 75  | 3,438.0 (2,996.2, 3,859.9)    | 0.0038267 (0.0033350, 0.0042963) | 0.05752 (0.05295, 0.06285) | 4,797.9 (4,350.6, 5,307.2)    | 0.0039166 (0.0035515, 0.0043324) | 0.06915 (0.06417, 0.07485) |
| Indonesia | Diabetes mellitus                             | 75  | 2,335.7 (2,016.7, 2,638.9)    | 0.0025998 (0.0022447, 0.0029373) | 0.03908 (0.03516, 0.04289) | 4,184.6 (3,764.3, 4,621.3)    | 0.003416 (0.0030729, 0.0037725)  | 0.06031 (0.05471, 0.06606) |
| Indonesia | Chronic kidney disease                        | 75  | 1,235.0 (1,049.7, 1,451.0)    | 0.0013746 (0.0011684, 0.0016150) | 0.02066 (0.01822, 0.02329) | 1,337.2 (1,167.5, 1,533.9)    | 0.0010916 (0.0009531, 0.0012522) | 0.01927 (0.01703, 0.02185) |
| Indonesia | Cirrhosis                                     | 75  | 1,630.3 (1,386.0, 1,881.8)    | 0.0018146 (0.0015427, 0.0020946) | 0.02727 (0.02436, 0.03041) | 1,435.9 (1,263.2, 1,643.9)    | 0.0011721 (0.0010312, 0.0013420) | 0.02069 (0.01829, 0.02342) |
| Indonesia | Chronic respiratory diseases                  | 75  | 6,321.3 (5,679.0, 7,009.6)    | 0.0070361 (0.0063212, 0.0078022) | 0.10578 (0.09886, 0.11336) | 5,065.1 (4,633.9, 5,511.5)    | 0.0041348 (0.0037828, 0.0044992) | 0.07301 (0.06753, 0.07882) |
| Indonesia | Other non-communicable diseases               | 75  | 5,807.1 (5,190.0, 6,434.4)    | 0.0064637 (0.0057768, 0.0071620) | 0.09716 (0.09149, 0.10326) | 7,595.1 (7,022.6, 8,199.5)    | 0.0062001 (0.0057368, 0.0066935) | 0.10946 (0.10320, 0.11544) |
| Indonesia | Drowning                                      | 75  | 121.0 (69.1, 206.1)           | 0.0001347 (0.0000769, 0.0002294) | 0.00203 (0.00117, 0.00345) | 103.4 (60.7, 172.8)           | 0.0000844 (0.0000496, 0.0001411) | 0.00149 (0.00086, 0.00246) |
| Indonesia | Falls                                         | 75  | 766.2 (598.6, 965.8)          | 0.0008528 (0.0006663, 0.0010750) | 0.01282 (0.01016, 0.01620) | 672.4 (529.7, 836.3)          | 0.0005489 (0.0004324, 0.0006827) | 0.00969 (0.00768, 0.01214) |
| Indonesia | Interpersonal violence                        | 75  | 17.7 (6.3, 42.2)              | 0.0000198 (0.0000070, 0.0000469) | 0.0003 (0.00010, 0.00069)  | 12.0 (4.3, 29.6)              | 0.0000098 (0.0000035, 0.0000241) | 0.00017 (0.00006, 0.00041) |
| Indonesia | Self-harm                                     | 75  | 86.7 (53.0, 134.4)            | 0.0000965 (0.0000590, 0.0001496) | 0.00145 (0.00089, 0.00224) | 43.9 (25.1, 71.4)             | 0.0000359 (0.0000205, 0.0000583) | 0.00063 (0.00036, 0.00103) |
| Indonesia | Transport injuries                            | 75  | 587.8 (429.8, 773.0)          | 0.0006543 (0.0004784, 0.0008604) | 0.00983 (0.00732, 0.01297) | 305.7 (222.6, 414.9)          | 0.0002496 (0.0001817, 0.0003387) | 0.00441 (0.00317, 0.00592) |
| Indonesia | Other unintentional injuries                  | 75  | 319.2                         |                                  |                            |                               |                                  |                            |

Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males                            |                                  |                            | Females                          |                                  |                            |
|-----------|----------------------------------------------------------|-----|----------------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|
|           |                                                          |     | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                |
| Indonesia | HIV/AIDS                                                 | 80  | 48.7 (16.9, 114.7)               | 0.000706 (0.000245, 0.0001664)   | 0.00053 (0.00018, 0.00124) | 65.8 (23.9, 155.0)               | 0.0000632 (0.0000230, 0.0001490) | 0.00048 (0.00017, 0.00114) |
| Indonesia | Lower respiratory infections                             | 80  | 2,868.6 (2,472.1, 3,331.1)       | 0.0041604 (0.0035853, 0.0048311) | 0.03106 (0.02696, 0.03564) | 4,426.1 (3,842.4, 5,060.6)       | 0.0042559 (0.0036946, 0.0048660) | 0.03253 (0.02843, 0.03711) |
| Indonesia | Malaria                                                  | 80  | 180.0 (99.4, 293.9)              | 0.0002611 (0.0001441, 0.0004263) | 0.00195 (0.00107, 0.00319) | 170.9 (87.8, 290.4)              | 0.0001643 (0.0000845, 0.0002792) | 0.00126 (0.00065, 0.00214) |
| Indonesia | Tuberculosis                                             | 80  | 6,164.3 (5,530.5, 6,820.1)       | 0.0089401 (0.0080210, 0.0098912) | 0.06674 (0.06045, 0.07305) | 6,353.0 (5,710.6, 7,066.3)       | 0.0061086 (0.0054909, 0.0067945) | 0.04669 (0.04222, 0.05161) |
| Indonesia | Other communicable diseases                              | 80  | 2,061.8 (1,709.0, 2,452.2)       | 0.0029903 (0.0024786, 0.0035565) | 0.02232 (0.01868, 0.02648) | 2,772.8 (2,297.4, 3,292.8)       | 0.0026661 (0.0022090, 0.0031661) | 0.02038 (0.01694, 0.02421) |
| Indonesia | Tracheal, bronchus, and lung cancer                      | 80  | 607.3 (431.9, 828.9)             | 0.0008808 (0.0006264, 0.0012022) | 0.00658 (0.00468, 0.00895) | 264.2 (169.2, 393.2)             | 0.0002541 (0.0001627, 0.0003781) | 0.00194 (0.00124, 0.00287) |
| Indonesia | Breast cancer                                            | 80  | 13.7 (4.1, 34.4)                 | 0.0000198 (0.0000059, 0.0000498) | 0.00015 (0.00004, 0.00037) | 582.2 (373.0, 863.1)             | 0.0005598 (0.0003587, 0.0008299) | 0.00428 (0.00276, 0.00626) |
| Indonesia | Cervical cancer                                          | 80  |                                  |                                  |                            | 345.9 (191.7, 559.2)             | 0.0003326 (0.0001844, 0.0005377) | 0.00254 (0.00141, 0.00412) |
| Indonesia | Other malignant neoplasms                                | 80  | 1,431.4 (1,193.7, 1,700.5)       | 0.0020759 (0.0017313, 0.0024662) | 0.0155 (0.01289, 0.01845)  | 2,385.9 (1,943.0, 2,837.0)       | 0.0022941 (0.0018682, 0.0027278) | 0.01753 (0.01434, 0.02116) |
| Indonesia | Cerebrovascular disease                                  | 80  | 21,933.0 (20,304.6, 23,535.1)    | 0.0318095 (0.0294478, 0.0341331) | 0.23741 (0.22687, 0.24839) | 38,049.3 (35,853.6, 40,137.4)    | 0.0365858 (0.0344745, 0.0385935) | 0.27961 (0.26889, 0.29048) |
| Indonesia | Ischemic heart disease                                   | 80  | 15,409.0 (14,199.5, 16,674.9)    | 0.0223478 (0.0205935, 0.0241837) | 0.16681 (0.15717, 0.17648) | 19,674.1 (18,285.1, 21,035.5)    | 0.0189173 (0.0175817, 0.0202263) | 0.14458 (0.13627, 0.15320) |
| Indonesia | Other cardiovascular and circulatory diseases            | 80  | 4,941.3 (4,311.9, 5,637.3)       | 0.0071664 (0.0062535, 0.0081758) | 0.05349 (0.04738, 0.06025) | 8,584.6 (7,676.3, 9,638.9)       | 0.0082544 (0.0073810, 0.0092682) | 0.06309 (0.05648, 0.07001) |
| Indonesia | Diabetes mellitus                                        | 80  | 2,796.3 (2,409.2, 3,197.2)       | 0.0040556 (0.0034940, 0.0046370) | 0.03027 (0.02641, 0.03457) | 6,603.2 (5,824.2, 7,480.3)       | 0.0063492 (0.0056002, 0.0071926) | 0.04853 (0.04277, 0.05501) |
| Indonesia | Chronic kidney disease                                   | 80  | 1,518.1 (1,259.7, 1,815.7)       | 0.0022017 (0.0018270, 0.0026333) | 0.01643 (0.01382, 0.01934) | 2,141.7 (1,799.7, 2,514.2)       | 0.0020593 (0.0017304, 0.0024175) | 0.01574 (0.01326, 0.01831) |
| Indonesia | Cirrhosis                                                | 80  | 2,106.5 (1,771.2, 2,477.9)       | 0.003055 (0.0025687, 0.0035937)  | 0.0228 (0.01918, 0.02662)  | 2,303.4 (1,951.8, 2,694.8)       | 0.0022148 (0.0018767, 0.0025911) | 0.01693 (0.01436, 0.01960) |
| Indonesia | Chronic respiratory diseases                             | 80  | 9,793.6 (8,983.7, 10,688.6)      | 0.0142038 (0.0130291, 0.0155017) | 0.10603 (0.09817, 0.11334) | 9,649.8 (8,865.8, 10,565.4)      | 0.0092787 (0.0085248, 0.0101590) | 0.07092 (0.06540, 0.07723) |
| Indonesia | Other non-communicable diseases                          | 80  | 9,834.8 (8,913.9, 10,756.3)      | 0.0142634 (0.0129279, 0.0155999) | 0.10646 (0.09909, 0.11416) | 16,142.7 (14,872.2, 17,354.1)    | 0.0155218 (0.0143001, 0.0166866) | 0.11863 (0.11059, 0.12640) |
| Indonesia | Drowning                                                 | 80  | 184.8 (93.6, 332.0)              | 0.000268 (0.0001358, 0.0004815)  | 0.002 (0.00102, 0.00361)   | 169.5 (80.0, 303.7)              | 0.000163 (0.0000770, 0.0002920)  | 0.00125 (0.00059, 0.00224) |
| Indonesia | Falls                                                    | 80  | 1,483.5 (1,144.3, 1,859.9)       | 0.0021516 (0.0016595, 0.0026975) | 0.01606 (0.01270, 0.02004) | 1,470.7 (1,174.3, 1,796.3)       | 0.0014141 (0.0011291, 0.0017272) | 0.01081 (0.00858, 0.01318) |
| Indonesia | Interpersonal violence                                   | 80  | 19.7 (4.2, 53.2)                 | 0.0000286 (0.0000060, 0.0000772) | 0.00021 (0.00004, 0.00057) | 17.3 (4.2, 50.5)                 | 0.0000166 (0.0000040, 0.0000486) | 0.00013 (0.00003, 0.00037) |
| Indonesia | Self-harm                                                | 80  | 114.7 (61.0, 203.2)              | 0.0001664 (0.0000884, 0.0002947) | 0.00124 (0.00066, 0.00217) | 76.1 (38.1, 135.0)               | 0.0000732 (0.0000367, 0.0001298) | 0.00056 (0.00028, 0.00099) |
| Indonesia | Transport injuries                                       | 80  | 753.8 (524.4, 1,033.7)           | 0.0010932 (0.0007606, 0.0014992) | 0.00816 (0.00574, 0.01109) | 463.6 (305.2, 664.2)             | 0.0004458 (0.0002934, 0.0006387) | 0.00341 (0.00225, 0.00485) |
| Indonesia | Other unintentional injuries                             | 80  | 439.1 (279.5, 641.8)             | 0.0006369 (0.0004053, 0.0009308) | 0.00475 (0.00305, 0.00693) | 286.1 (178.3, 428.2)             | 0.0002751 (0.0001714, 0.0004118) | 0.0021 (0.00131, 0.00313)  |
| Indonesia | Diarrheal diseases                                       | All | 33,779.3 (31,041.5, 36,516.2)    | 0.0002634 (0.0002421, 0.0002848) | 0.0432 (0.04047, 0.04585)  | 42,156.9 (39,345.8, 44,868.9)    | 0.0003336 (0.0003113, 0.0003550) | 0.06252 (0.05911, 0.06615) |
| Indonesia | HIV/AIDS                                                 | All | 4,781.6 (3,993.8, 5,725.8)       | 0.0000373 (0.0000311, 0.0000447) | 0.00612 (0.00514, 0.00725) | 2,836.2 (2,287.8, 3,507.3)       | 0.0000224 (0.0000181, 0.0000278) | 0.00421 (0.00340, 0.00521) |
| Indonesia | Lower respiratory infections                             | All | 27,235.1 (24,694.2, 29,881.9)    | 0.0002124 (0.0001926, 0.0002331) | 0.03483 (0.03200, 0.03771) | 23,264.7 (21,302.3, 25,406.6)    | 0.0001841 (0.0001686, 0.0002010) | 0.0345 (0.03191, 0.03735)  |
| Indonesia | Malaria                                                  | All | 2,379.3 (1,783.7, 3,168.7)       | 0.0000186 (0.0000139, 0.0000247) | 0.00304 (0.00228, 0.00400) | 1,601.0 (1,115.1, 2,262.2)       | 0.0000127 (0.0000088, 0.0000179) | 0.00237 (0.00164, 0.00338) |
| Indonesia | Tuberculosis                                             | All | 62,381.4 (58,171.4, 66,544.6)    | 0.0004865 (0.0004537, 0.0005190) | 0.07977 (0.07655, 0.08290) | 37,155.3 (34,608.0, 39,880.5)    | 0.0002994 (0.0002738, 0.0003156) | 0.0551 (0.05225, 0.05804)  |
| Indonesia | Maternal disorders                                       | All |                                  |                                  |                            | 4,581.6 (4,032.9, 5,131.8)       | 0.0000363 (0.0000319, 0.0000406) | 0.00679 (0.00605, 0.00756) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | All | 13,158.8 (10,754.5, 15,780.0)    | 0.0001026 (0.0000839, 0.0001231) | 0.01683 (0.01392, 0.02019) | 8,823.4 (7,104.0, 10,940.2)      | 0.0000698 (0.0000562, 0.0000866) | 0.01309 (0.01063, 0.01607) |
| Indonesia | Preterm birth complications                              | All | 13,023.8 (10,532.5, 15,728.8)    | 0.0001016 (0.0000821, 0.0001227) | 0.01665 (0.01354, 0.02004) | 11,653.6 (9,461.5, 14,135.0)     | 0.0000922 (0.0000749, 0.0001118) | 0.01728 (0.01402, 0.02061) |
| Indonesia | Other neonatal disorders                                 | All | 5,510.0 (4,214.7, 6,840.2)       | 0.000043 (0.0000329, 0.0000533)  | 0.00705 (0.00543, 0.00883) | 3,598.7 (2,699.6, 4,708.7)       | 0.0000285 (0.0000214, 0.0000373) | 0.00534 (0.00402, 0.00700) |
| Indonesia | Other communicable diseases                              | All | 39,925.0 (37,096.3, 42,763.8)    | 0.0003114 (0.0002893, 0.0003335) | 0.05106 (0.04802, 0.05432) | 30,007.2 (27,616.0, 32,442.6)    | 0.0002374 (0.0002185, 0.0002567) | 0.0445 (0.04140, 0.04767)  |
| Indonesia | Tracheal, bronchus, and lung cancer                      | All | 7,489.2 (6,543.5, 8,541.8)       | 0.0000584 (0.0000510, 0.0000666) | 0.00958 (0.00845, 0.01073) | 2,419.5 (1,987.1, 2,944.0)       | 0.0000191 (0.0000157, 0.0000233) | 0.00359 (0.00294, 0.00430) |
| Indonesia | Breast cancer                                            | All | 346.1 (211.5, 558.4)             | 0.0000027 (0.0000016, 0.0000044) | 0.00044 (0.00027, 0.00071) | 14,761.5 (13,453.2, 16,146.1)    | 0.0001168 (0.0001065, 0.0001278) | 0.02189 (0.02025, 0.02368) |
| Indonesia | Cervical cancer                                          | All |                                  |                                  |                            | 9,403.7 (8,300.2, 10,461.9)      | 0.0000744 (0.0000657, 0.0000828) | 0.01394 (0.01247, 0.01536) |
| Indonesia | Other malignant neoplasms                                | All | 31,004.6 (28,645.3, 33,671.9)    | 0.0002418 (0.0002234, 0.0002626) | 0.03964 (0.03725, 0.04203) | 21,966.1 (20,205.6, 23,782.8)    | 0.0001738 (0.0001599, 0.0001882) | 0.03257 (0.03049, 0.03482) |
| Indonesia | Cerebrovascular disease                                  | All | 127,159.2 (117,411.0, 136,716.6) | 0.0009917 (0.0009157, 0.0010663) | 0.16256 (0.15722, 0.16752) | 138,994.8 (131,013.9, 147,099.5) | 0.0010999 (0.0010367, 0.0011640) | 0.20611 (0.20024, 0.21161) |
| Indonesia | Ischemic heart disease                                   | All | 110,896.5 (102,848.8, 118,660.6) | 0.0008649 (0.0008021, 0.0009254) | 0.14178 (0.13744, 0.14610) | 76,670.2 (72,085.9, 81,744.1)    | 0.0006067 (0.0005704, 0.0006468) | 0.11369 (0.10963, 0.11812) |
| Indonesia | Other cardiovascular and circulatory diseases            | All | 29,462.8 (26,840.2, 32,180.0)    | 0.0002298 (0.0002093, 0.0002510) | 0.03767 (0.03526, 0.04011) | 33,676.8 (31,436.4, 36,377.6)    | 0.0002665 (0.0002488, 0.0002879) | 0.04994 (0.04712, 0.05307) |
| Indonesia | Diabetes mellitus                                        | All | 36,905.6 (34,026.0, 40,061.1)    | 0.0002878 (0.0002654, 0.0003124) | 0.04718 (0.04492, 0.04959) | 46,433.8 (43,595.0, 49,761.4)    | 0.0003674 (0.0003450, 0.0003938) | 0.06886 (0.06565, 0.07224) |
| Indonesia | Chronic kidney disease                                   | All | 19,348.0 (17,640.3, 21,309.1)    | 0.0001509 (0.0001376, 0.0001662) | 0.02474 (0.02299, 0.02673) | 15,594.7 (14,296.4, 17,079.8)    | 0.0001234 (0.0001131, 0.0001352) | 0.02312 (0.02131, 0.02495) |
| Indonesia | Cirrhosis                                                | All | 30,971.9 (28,596.6, 33,620.9)    | 0.0002416 (0.0002230, 0.0002622) | 0.0396 (0.03737, 0.04196)  | 17,615.9 (16,130.6, 19,200.9)    | 0.0001394 (0.0001276, 0.0001519) | 0.02612 (0.02424, 0.02800) |
| Indonesia | Chronic respiratory diseases                             | All | 50,366.0 (46,916.6, 54,179.0)    | 0.0003928 (0.0003659, 0.0004225) | 0.0644 (0.06146, 0.06746)  | 34,339.1 (32,300.9, 36,659.5)    | 0.0002717 (0.0002556, 0.0002901) | 0.05093 (0.04832, 0.05366) |
| Indonesia | Other non-communicable diseases                          | All | 68,056.4 (63,515.2, 72,605.0)    | 0.0005308 (0.0004954, 0.0005663) | 0.08702 (0.08387, 0.09014) | 70,084.6 (66,119.8, 74,325.0)    | 0.0005446 (0.0005232, 0.0005881) | 0.10393 (0.10029, 0.10778) |
| Indonesia | Drowning                                                 | All | 6,564.5 (5,715.8, 7,526.2)       | 0.0000512 (0.0000446, 0.0000587) | 0.0084 (0.00728, 0.00963)  | 2,455.7 (1,941.2, 3,007.8)       | 0.0000194 (0.0000154, 0.0000238) | 0.00364 (0.00289, 0.00446) |
| Indonesia | Falls                                                    | All | 9,822.8 (8,732.0, 10,990.4)      | 0.0000766 (0.0000681, 0.0000857) | 0.01256 (0.01132, 0.01387) | 5,965.3 (5,236.4, 6,865.7)       | 0.0000472 (0.0000414, 0.0000543) | 0.00885 (0.00783, 0.01010) |
| Indonesia | Interpersonal violence                                   | All | 1,801.7 (1,399.8, 2,311.9)       | 0.0000141 (0.0000109, 0.0000180) | 0.0023 (0.00179, 0.00296)  | 1,055.5 (736.5, 1,462.9)         | 0.0000083 (0.0000058, 0.0000116) | 0.00157 (0.00109, 0.00216) |
| Indonesia | Self-harm                                                | All | 2,954.8 (2,437.8, 3,518.0)       | 0.000023 (0.0000190, 0.0000274)  | 0.00378 (0.00312, 0.00446) | 1,365.3 (1,039.1, 1,756.2)       | 0.0000108 (0.0000082, 0.0000139) | 0.00203 (0.00155, 0.00260) |
| Indonesia | Transport injuries                                       | All | 35,380.1 (33,031.8, 37,770.5)    | 0.0002759 (0.0002576, 0.0002946) | 0.04525 (0.04290, 0.04796) | 11,530.3 (10,472.3, 12,616.5)    | 0.0000912 (0.0000829, 0.0000998) | 0.0171 (0.01560, 0.01875)  |
| Indonesia | Other unintentional injuries                             | All | 11,382.9 (10,211.8, 12,775.7)    | 0.0000888 (0.0000796, 0.0000996) | 0.01456 (0.01309, 0.01612) | 4,322.7 (3,659.4, 5,134.4)       | 0.0000342 (0.0000290, 0.0000406) | 0.00641 (0.00545, 0.00750) |
| Aceh      | Diarrheal diseases                                       | NN  | 5.4 (2.1, 11.2)                  | 0.0012609 (0.0004943, 0.0026073) | 0.01408 (0.00838, 0.02216) | 4.1 (1.6, 8.6)                   | 0.0009934 (0.0003828, 0.0021075) | 0.01566 (0.00958, 0.02433) |
| Aceh      | Lower respiratory infections                             | NN  | 49.5 (21.9, 88.2)                | 0.0115028 (0.0050830, 0.0204872) | 0.12905 (0.09560, 0.16981) | 27.8 (12.0, 52.4)                | 0.0068186 (0.0029276, 0.0128358) | 0.10758 (0.07992, 0.14131) |
| Aceh      | Malaria                                                  | NN  | 0.1 (0.0, 0.5)                   | 0.0000273 (0.0000020, 0.0001191) | 0.0003 (0.00003, 0.00120)  | 0.1 (0.0, 0.2)                   | 0.0000151 (0.0000011, 0.0000604) | 0.00024 (0.00002, 0.00087) |
| Aceh      | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 126.8 (58.8, 214.3)              | 0.0294385 (0.0136519, 0.0497457) | 0.33026 (0.26555, 0.39600) | 79.7 (37.8, 142.9)               | 0.0195264 (0.0092612, 0.0349899) | 0.30831 (0.24100, 0.37567) |
| Aceh      | Preterm birth complications                              | NN  | 84.6 (36.1, 157.4)               | 0.0196436 (0.0083709, 0.0365390) | 0.22043 (0.15886, 0.30469) | 70.2 (31.9, 130.4)               | 0.0171811 (0.0078091, 0.0319339) | 0.27172 (0.20270, 0.35742) |
| Aceh      | Other neonatal disorders                                 | NN  | 40.8 (10.8, 88.8)                | 0.0094776 (0.0025152, 0.0206115) | 0.10679 (0.03703, 0.18417) | 24.3 (5.9, 58.1)                 | 0.0059558 (0.0014520, 0.0142368) | 0.09413 (0.03010, 0.17720) |
| Aceh      | Other communicable diseases                              | NN  | 4.0 (1.4, 8.2)                   | 0.0009337 (0.0003349, 0.0019032) | 0.01048 (0.00574, 0.01758) | 2.1 (0.7, 4.7)                   | 0.0005208 (0.0001791, 0.0011439) | 0.00824 (0.00422, 0.01455) |
| Aceh      | Other malignant neoplasms                                | NN  | 2.0 (0.7, 4.3)                   | 0.000472 (0.0001532, 0.0009902)  | 0.00531 (0.00254, 0.00933) | 1.5 (0.5, 3.3)                   | 0.0003606 (0.0001241, 0.0008102) | 0.00567 (0.00269, 0.01007) |
| Aceh      | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.5                    |                                  |                            |                                  |                                  |                            |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males              |                                  |                            | Females            |                                  |                            |
|----------|----------------------------------------------------------|-----|--------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | Other cardiovascular and circulatory diseases            | NN  | 0.4 (0.1, 1.3)     | 0.0001021 (0.0000199, 0.0003069) | 0.00114 (0.00029, 0.00295) | 0.4 (0.1, 1.3)     | 0.0000958 (0.0000186, 0.0003100) | 0.00149 (0.00039, 0.00406) |
| Aceh     | Diabetes mellitus                                        | NN  | 0.1 (0.0, 1.1)     | 0.0000307 (0.0000002, 0.0002531) | 0.00037 (0.00000, 0.00290) | 0.2 (0.0, 1.3)     | 0.0000403 (0.0000002, 0.0003062) | 0.00067 (0.00000, 0.00503) |
| Aceh     | Other non-communicable diseases                          | NN  | 51.7 (23.9, 86.0)  | 0.0119918 (0.0055475, 0.0199545) | 0.13474 (0.11281, 0.15675) | 42.4 (20.4, 74.2)  | 0.0103838 (0.0049951, 0.0181675) | 0.16394 (0.13946, 0.19017) |
| Aceh     | Drowning                                                 | NN  | 3.1 (1.0, 7.2)     | 0.0007088 (0.0002237, 0.0016646) | 0.00793 (0.00352, 0.01547) | 0.7 (0.2, 1.7)     | 0.0001667 (0.0000508, 0.0004085) | 0.00265 (0.00103, 0.00536) |
| Aceh     | Falls                                                    | NN  | 1.3 (0.4, 3.4)     | 0.0002982 (0.0000877, 0.0007915) | 0.00335 (0.00136, 0.00701) | 0.4 (0.1, 1.0)     | 0.0000959 (0.0000262, 0.0002547) | 0.00152 (0.00058, 0.00342) |
| Aceh     | Interpersonal violence                                   | NN  | 1.2 (0.4, 3.3)     | 0.00029 (0.0000819, 0.0007751)   | 0.00326 (0.00126, 0.00736) | 0.6 (0.2, 1.6)     | 0.0001528 (0.0000422, 0.0003866) | 0.00243 (0.00090, 0.00553) |
| Aceh     | Transport injuries                                       | NN  | 2.6 (0.8, 5.9)     | 0.0005962 (0.0001895, 0.0013790) | 0.00672 (0.00303, 0.01256) | 0.6 (0.2, 1.4)     | 0.000141 (0.0000404, 0.0003406)  | 0.00222 (0.00095, 0.00426) |
| Aceh     | Other unintentional injuries                             | NN  | 8.9 (3.4, 17.8)    | 0.0020662 (0.0007975, 0.0041361) | 0.02337 (0.01287, 0.03833) | 2.6 (0.9, 5.6)     | 0.0006403 (0.0002291, 0.0013666) | 0.01014 (0.00563, 0.01715) |
| Aceh     | Diarrheal diseases                                       | PNN | 70.3 (30.4, 128.0) | 0.0013076 (0.0005655, 0.0023813) | 0.27611 (0.20890, 0.35204) | 77.0 (34.0, 142.5) | 0.0015108 (0.0006662, 0.0027957) | 0.33139 (0.26176, 0.40730) |
| Aceh     | HIV/AIDS                                                 | PNN | 1.8 (0.4, 5.3)     | 0.0000337 (0.0000068, 0.0000978) | 0.00719 (0.00172, 0.02023) | 1.5 (0.3, 4.6)     | 0.0000285 (0.0000051, 0.0000901) | 0.0062 (0.00139, 0.01780)  |
| Aceh     | Lower respiratory infections                             | PNN | 54.1 (23.7, 94.9)  | 0.0010062 (0.0004412, 0.0017651) | 0.21258 (0.16572, 0.26391) | 43.1 (18.9, 79.7)  | 0.000845 (0.0003715, 0.0015638)  | 0.18547 (0.14370, 0.23383) |
| Aceh     | Malaria                                                  | PNN | 1.5 (0.1, 6.0)     | 0.0000274 (0.0000022, 0.0001118) | 0.00577 (0.00057, 0.02129) | 1.1 (0.1, 4.7)     | 0.0000224 (0.0000016, 0.0000913) | 0.00491 (0.00049, 0.01725) |
| Aceh     | Tuberculosis                                             | PNN | 3.7 (1.3, 7.7)     | 0.0000682 (0.0000246, 0.0001430) | 0.01445 (0.00756, 0.02355) | 3.0 (1.1, 6.3)     | 0.0000585 (0.0000208, 0.0001235) | 0.01286 (0.00673, 0.02138) |
| Aceh     | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 4.3 (1.1, 10.7)    | 0.0000804 (0.0000209, 0.0001991) | 0.01705 (0.00622, 0.03755) | 3.6 (0.9, 9.2)     | 0.0000702 (0.0000184, 0.0001803) | 0.01554 (0.00565, 0.03305) |
| Aceh     | Preterm birth complications                              | PNN | 6.6 (2.1, 15.7)    | 0.0001221 (0.0000398, 0.0002916) | 0.02588 (0.01176, 0.05540) | 8.3 (2.6, 20.9)    | 0.0001621 (0.0000507, 0.0004103) | 0.0355 (0.01561, 0.07004)  |
| Aceh     | Other neonatal disorders                                 | PNN | 4.7 (0.8, 12.9)    | 0.000088 (0.0000151, 0.0002395)  | 0.01872 (0.00390, 0.04872) | 3.9 (0.6, 11.8)    | 0.0000766 (0.0000126, 0.0002312) | 0.01691 (0.00335, 0.04709) |
| Aceh     | Other communicable diseases                              | PNN | 57.8 (24.9, 102.6) | 0.0010756 (0.0004639, 0.0019078) | 0.22756 (0.15928, 0.30074) | 44.9 (17.6, 83.9)  | 0.0008802 (0.0003458, 0.0016457) | 0.1932 (0.12950, 0.26280)  |
| Aceh     | Other malignant neoplasms                                | PNN | 1.3 (0.4, 2.7)     | 0.0000237 (0.0000084, 0.0000497) | 0.00502 (0.00242, 0.00881) | 1.3 (0.4, 2.9)     | 0.0000248 (0.0000085, 0.0000571) | 0.00542 (0.00259, 0.00963) |
| Aceh     | Cerebrovascular disease                                  | PNN | 0.6 (0.2, 1.5)     | 0.0000109 (0.0000029, 0.0000288) | 0.00232 (0.00076, 0.00523) | 0.7 (0.2, 1.9)     | 0.0000147 (0.0000037, 0.0000373) | 0.00324 (0.00110, 0.00721) |
| Aceh     | Ischemic heart disease                                   | PNN | 0.2 (0.0, 1.1)     | 0.0000038 (0.0000003, 0.0000210) | 0.00082 (0.00006, 0.00386) | 0.3 (0.0, 1.3)     | 0.0000051 (0.0000003, 0.0000257) | 0.00113 (0.00009, 0.00553) |
| Aceh     | Other cardiovascular and circulatory diseases            | PNN | 0.3 (0.1, 0.8)     | 0.0000051 (0.0000010, 0.0000144) | 0.00108 (0.00027, 0.00280) | 0.3 (0.1, 1.0)     | 0.0000065 (0.0000015, 0.0000191) | 0.00142 (0.00038, 0.00389) |
| Aceh     | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.7)     | 0.0000016 (0.0000000, 0.0000126) | 0.00035 (0.00000, 0.00274) | 0.1 (0.0, 1.1)     | 0.0000028 (0.0000000, 0.0000220) | 0.00064 (0.00000, 0.00481) |
| Aceh     | Chronic kidney disease                                   | PNN | 2.1 (0.7, 4.8)     | 0.0000397 (0.0000138, 0.0000896) | 0.00838 (0.00414, 0.01518) | 2.1 (0.7, 4.6)     | 0.0000416 (0.0000133, 0.0000908) | 0.00916 (0.00423, 0.01649) |
| Aceh     | Other non-communicable diseases                          | PNN | 32.2 (15.0, 55.7)  | 0.0005989 (0.0002788, 0.0010356) | 0.12679 (0.10609, 0.14822) | 36.1 (16.4, 65.5)  | 0.0007091 (0.0003212, 0.0012849) | 0.15565 (0.13139, 0.18209) |
| Aceh     | Drowning                                                 | PNN | 2.3 (0.8, 5.4)     | 0.0000436 (0.0000141, 0.0001009) | 0.00924 (0.00432, 0.01774) | 0.7 (0.2, 1.7)     | 0.0000142 (0.0000043, 0.0000342) | 0.00312 (0.00125, 0.00619) |
| Aceh     | Falls                                                    | PNN | 0.9 (0.3, 2.2)     | 0.0000177 (0.0000052, 0.0000418) | 0.00374 (0.00156, 0.00771) | 0.4 (0.1, 1.1)     | 0.0000078 (0.0000021, 0.0000207) | 0.00171 (0.00066, 0.00380) |
| Aceh     | Interpersonal violence                                   | PNN | 0.9 (0.3, 2.3)     | 0.0000169 (0.0000050, 0.0000421) | 0.00356 (0.00142, 0.00769) | 0.6 (0.2, 1.7)     | 0.0000122 (0.0000033, 0.0000333) | 0.00269 (0.00101, 0.00590) |
| Aceh     | Transport injuries                                       | PNN | 2.0 (0.7, 4.5)     | 0.0000364 (0.0000131, 0.0000829) | 0.00773 (0.00363, 0.01400) | 0.6 (0.2, 1.4)     | 0.0000118 (0.0000039, 0.0000278) | 0.00258 (0.00116, 0.00481) |
| Aceh     | Other unintentional injuries                             | PNN | 6.5 (2.6, 13.4)    | 0.000121 (0.0000482, 0.0002497)  | 0.02568 (0.01479, 0.04054) | 2.6 (0.9, 5.4)     | 0.0000512 (0.0000183, 0.0001051) | 0.01126 (0.00644, 0.01859) |
| Aceh     | Diarrheal diseases                                       | 1   | 13.2 (4.9, 27.6)   | 0.0000599 (0.0000221, 0.0001252) | 0.14959 (0.10401, 0.20744) | 18.2 (7.3, 37.5)   | 0.0000839 (0.0000338, 0.0001729) | 0.19825 (0.14389, 0.26285) |
| Aceh     | HIV/AIDS                                                 | 1   | 0.8 (0.1, 2.5)     | 0.0000035 (0.0000006, 0.0000113) | 0.0088 (0.00224, 0.02320)  | 0.8 (0.1, 2.4)     | 0.0000035 (0.0000006, 0.0000111) | 0.00835 (0.00196, 0.02409) |
| Aceh     | Lower respiratory infections                             | 1   | 22.5 (8.5, 46.2)   | 0.0001032 (0.0000388, 0.0002100) | 0.25446 (0.20412, 0.30663) | 22.5 (9.0, 45.2)   | 0.0001036 (0.0000416, 0.0002084) | 0.24459 (0.19133, 0.29918) |
| Aceh     | Malaria                                                  | 1   | 0.2 (0.0, 0.9)     | 0.000001 (0.0000001, 0.0000043)  | 0.00253 (0.00025, 0.00932) | 0.2 (0.0, 1.0)     | 0.000001 (0.0000001, 0.0000045)  | 0.00239 (0.00025, 0.00805) |
| Aceh     | Tuberculosis                                             | 1   | 1.6 (0.5, 3.6)     | 0.0000074 (0.0000024, 0.0000164) | 0.01862 (0.01025, 0.02970) | 1.7 (0.6, 3.7)     | 0.0000077 (0.0000027, 0.0000169) | 0.01826 (0.01005, 0.02973) |
| Aceh     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.9 (0.2, 2.5)     | 0.0000041 (0.0000009, 0.0000114) | 0.01035 (0.00362, 0.02362) | 0.9 (0.2, 2.5)     | 0.0000042 (0.0000010, 0.0000117) | 0.00985 (0.00334, 0.02238) |
| Aceh     | Preterm birth complications                              | 1   | 0.3 (0.0, 0.9)     | 0.0000012 (0.0000002, 0.0000042) | 0.00299 (0.00069, 0.00926) | 0.4 (0.1, 1.3)     | 0.0000018 (0.0000003, 0.0000059) | 0.0043 (0.00097, 0.01330)  |
| Aceh     | Other neonatal disorders                                 | 1   | 0.1 (0.0, 1.1)     | 0.0000007 (0.0000000, 0.0000048) | 0.00166 (0.00001, 0.01092) | 0.1 (0.0, 1.0)     | 0.0000006 (0.0000000, 0.0000048) | 0.00152 (0.00001, 0.01138) |
| Aceh     | Other communicable diseases                              | 1   | 24.0 (9.5, 49.3)   | 0.0001089 (0.0000432, 0.0002241) | 0.27217 (0.20863, 0.33459) | 23.8 (9.6, 46.8)   | 0.0001099 (0.0000444, 0.0002157) | 0.26044 (0.19395, 0.32874) |
| Aceh     | Other malignant neoplasms                                | 1   | 0.4 (0.1, 0.9)     | 0.0000018 (0.0000005, 0.0000040) | 0.00445 (0.00212, 0.00788) | 0.5 (0.2, 1.1)     | 0.0000023 (0.0000007, 0.0000052) | 0.00547 (0.00255, 0.00979) |
| Aceh     | Cerebrovascular disease                                  | 1   | 0.2 (0.0, 0.6)     | 0.0000009 (0.0000002, 0.0000026) | 0.00224 (0.00074, 0.00516) | 0.3 (0.1, 0.9)     | 0.0000015 (0.0000004, 0.0000041) | 0.00357 (0.00121, 0.00801) |
| Aceh     | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.3)     | 0.0000003 (0.0000000, 0.0000015) | 0.00081 (0.00006, 0.00373) | 0.1 (0.0, 0.6)     | 0.0000005 (0.0000000, 0.0000027) | 0.00126 (0.00009, 0.00633) |
| Aceh     | Other cardiovascular and circulatory diseases            | 1   | 0.1 (0.0, 0.3)     | 0.0000004 (0.0000001, 0.0000013) | 0.00098 (0.00024, 0.00240) | 0.1 (0.0, 0.4)     | 0.0000006 (0.0000001, 0.0000020) | 0.00147 (0.00037, 0.00384) |
| Aceh     | Diabetes mellitus                                        | 1   | - (0.0, 0.2)       | 0.0000001 (0.0000000, 0.0000011) | 0.00031 (0.00000, 0.00249) | 0.1 (0.0, 0.5)     | 0.0000003 (0.0000000, 0.0000023) | 0.00066 (0.00000, 0.00506) |
| Aceh     | Chronic kidney disease                                   | 1   | 0.6 (0.2, 1.6)     | 0.0000029 (0.0000009, 0.0000073) | 0.00717 (0.00353, 0.01293) | 0.8 (0.3, 2.0)     | 0.0000038 (0.0000012, 0.0000093) | 0.00894 (0.00434, 0.01631) |
| Aceh     | Cirrhosis                                                | 1   | 0.6 (0.2, 1.6)     | 0.0000028 (0.0000007, 0.0000075) | 0.00691 (0.00253, 0.01468) | 0.4 (0.1, 1.2)     | 0.000002 (0.0000005, 0.0000055)  | 0.00483 (0.00185, 0.01044) |
| Aceh     | Chronic respiratory diseases                             | 1   | 1.2 (0.3, 3.0)     | 0.0000053 (0.0000015, 0.0000135) | 0.01341 (0.00526, 0.02508) | 0.6 (0.2, 1.7)     | 0.000003 (0.0000009, 0.0000076)  | 0.00702 (0.00273, 0.01387) |
| Aceh     | Other non-communicable diseases                          | 1   | 9.9 (3.7, 20.4)    | 0.000045 (0.0000168, 0.0000925)  | 0.11241 (0.08943, 0.13545) | 14.4 (6.0, 28.0)   | 0.0000665 (0.0000277, 0.0001290) | 0.15711 (0.13046, 0.18522) |
| Aceh     | Drowning                                                 | 1   | 2.9 (0.9, 7.0)     | 0.0000134 (0.0000043, 0.0000317) | 0.03344 (0.01650, 0.05724) | 1.2 (0.3, 2.9)     | 0.0000055 (0.0000016, 0.0000134) | 0.01304 (0.00550, 0.02437) |
| Aceh     | Falls                                                    | 1   | 0.8 (0.2, 2.0)     | 0.0000037 (0.0000011, 0.0000093) | 0.00936 (0.00399, 0.01858) | 0.4 (0.1, 1.1)     | 0.000002 (0.0000006, 0.0000049)  | 0.00493 (0.00190, 0.01053) |
| Aceh     | Interpersonal violence                                   | 1   | 0.6 (0.2, 1.7)     | 0.0000029 (0.0000009, 0.0000077) | 0.00731 (0.00301, 0.01437) | 0.6 (0.2, 1.5)     | 0.0000027 (0.0000007, 0.0000069) | 0.00633 (0.00251, 0.01267) |
| Aceh     | Transport injuries                                       | 1   | 2.2 (0.7, 5.2)     | 0.0000099 (0.0000032, 0.0000237) | 0.02475 (0.01306, 0.04181) | 0.9 (0.3, 2.0)     | 0.000004 (0.0000013, 0.0000093)  | 0.00955 (0.00466, 0.01721) |
| Aceh     | Other unintentional injuries                             | 1   | 4.8 (1.8, 10.3)    | 0.000022 (0.0000083, 0.0000470)  | 0.05528 (0.03526, 0.08303) | 2.5 (0.9, 5.5)     | 0.0000117 (0.0000043, 0.0000240) | 0.0279 (0.01655, 0.04341)  |
| Aceh     | Diarrheal diseases                                       | 5   | 23.0 (14.7, 32.7)  | 0.0000885 (0.0000566, 0.0001259) | 0.10779 (0.07119, 0.15186) | 22.6 (15.1, 31.1)  | 0.0000909 (0.0000606, 0.0001253) | 0.15259 (0.10549, 0.20716) |
| Aceh     | HIV/AIDS                                                 | 5   | 1.0 (0.2, 3.2)     | 0.0000039 (0.0000007, 0.0000122) | 0.00476 (0.00083, 0.01514) | 0.7 (0.1, 2.3)     | 0.0000028 (0.0000005, 0.0000093) | 0.00474 (0.00082, 0.01550) |
| Aceh     | Lower respiratory infections                             | 5   | 28.0 (19.4, 38.3)  | 0.0001077 (0.0000748, 0.0001474) | 0.13126 (0.09375, 0.17355) | 19.7 (13.7, 26.6)  | 0.0000793 (0.0000550, 0.0001072) | 0.13312 (0.09310, 0.17707) |
| Aceh     | Malaria                                                  | 5   | 0.4 (0.0, 1.5)     | 0.0000015 (0.0000002, 0.0000058) | 0.00181 (0.00018, 0.00707) | 0.3 (0.0, 0.9)     | 0.0000011 (0.0000001, 0.0000038) | 0.00182 (0.00019, 0.00628) |
| Aceh     | Tuberculosis                                             | 5   | 2.9 (1.5, 4.9)     | 0.0000111 (0.0000058, 0.0000189) | 0.01355 (0.00713, 0.02297) | 2.1 (1.1, 3.4)     | 0.0000083 (0.0000044, 0.0000139) | 0.014 (0.00752, 0.02333)   |
| Aceh     | Other communicable diseases                              | 5   | 41.3 (29.8, 54.4)  | 0.0001591 (0.0001148, 0.0002094) | 0.19385 (0.14662, 0.24468) | 29.2 (21.1, 38.2)  | 0.0001177 (0.0000848, 0.0001540) | 0.19774 (0.14324, 0.25290) |
| Aceh     | Other malignant neoplasms                                | 5   | 6.3 (3.3, 10.3)    | 0.0000242 (0.0000128, 0.0000397) | 0.0294 (0.01575, 0.04774)  | 5.8 (3.1, 9.3)     | 0.0000234 (0.0000125, 0.0000373) | 0.03921 (0.02159, 0.06283) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | Cerebrovascular disease                       | 5   | 2.1 (1.0, 3.8)      | 0.000082 (0.0000040, 0.0000145)  | 0.01001 (0.00488, 0.01798) | 2.5 (1.3, 4.2)    | 0.0000102 (0.0000052, 0.0000171) | 0.01707 (0.00871, 0.02885) |
| Aceh     | Ischemic heart disease                        | 5   | 0.9 (0.3, 1.9)      | 0.0000034 (0.0000012, 0.0000072) | 0.0041 (0.00149, 0.00900)  | 1.0 (0.4, 2.0)    | 0.0000041 (0.0000015, 0.0000082) | 0.00683 (0.00260, 0.01365) |
| Aceh     | Other cardiovascular and circulatory diseases | 5   | 1.1 (0.4, 2.4)      | 0.0000041 (0.0000014, 0.0000092) | 0.00496 (0.00173, 0.01128) | 1.2 (0.5, 2.4)    | 0.0000047 (0.0000018, 0.0000098) | 0.00788 (0.00308, 0.01674) |
| Aceh     | Diabetes mellitus                             | 5   | 0.8 (0.3, 2.0)      | 0.0000033 (0.0000012, 0.0000077) | 0.00397 (0.00143, 0.00902) | 1.4 (0.5, 3.1)    | 0.0000054 (0.0000020, 0.0000123) | 0.00914 (0.00347, 0.02024) |
| Aceh     | Chronic kidney disease                        | 5   | 3.4 (1.6, 5.8)      | 0.0000132 (0.0000062, 0.0000225) | 0.01615 (0.00777, 0.02749) | 3.2 (1.6, 5.4)    | 0.000013 (0.0000065, 0.0000216)  | 0.02184 (0.01075, 0.03597) |
| Aceh     | Cirrhosis                                     | 5   | 4.2 (2.0, 7.3)      | 0.0000164 (0.0000077, 0.0000280) | 0.01992 (0.00969, 0.03350) | 2.3 (1.1, 3.8)    | 0.0000091 (0.0000044, 0.0000153) | 0.01522 (0.00763, 0.02554) |
| Aceh     | Chronic respiratory diseases                  | 5   | 2.6 (1.2, 4.9)      | 0.0000099 (0.0000046, 0.0000189) | 0.012 (0.00572, 0.02290)   | 1.0 (0.4, 1.9)    | 0.0000004 (0.0000018, 0.0000077) | 0.0067 (0.00299, 0.01314)  |
| Aceh     | Other non-communicable diseases               | 5   | 23.5 (17.0, 30.4)   | 0.0000903 (0.0000656, 0.0001169) | 0.11005 (0.08385, 0.14093) | 24.6 (18.6, 31.0) | 0.0000991 (0.0000748, 0.0001248) | 0.16641 (0.12841, 0.20558) |
| Aceh     | Drowning                                      | 5   | 30.4 (19.0, 43.5)   | 0.0001171 (0.0000732, 0.0001675) | 0.14262 (0.08825, 0.19989) | 12.0 (6.8, 18.2)  | 0.0000485 (0.0000275, 0.0000731) | 0.08144 (0.04654, 0.12275) |
| Aceh     | Falls                                         | 5   | 4.4 (1.9, 8.4)      | 0.0000167 (0.0000074, 0.0000325) | 0.02043 (0.00932, 0.03860) | 2.2 (1.0, 4.1)    | 0.0000087 (0.0000039, 0.0000167) | 0.01465 (0.00658, 0.02891) |
| Aceh     | Interpersonal violence                        | 5   | 1.5 (0.6, 3.0)      | 0.0000059 (0.0000024, 0.0000115) | 0.00715 (0.00293, 0.01411) | 1.3 (0.5, 2.5)    | 0.0000005 (0.0000021, 0.0000101) | 0.00845 (0.00357, 0.01687) |
| Aceh     | Transport injuries                            | 5   | 22.1 (13.3, 34.2)   | 0.0000849 (0.0000513, 0.0001317) | 0.10342 (0.06302, 0.15496) | 8.5 (4.8, 14.3)   | 0.0000343 (0.0000193, 0.0000576) | 0.05747 (0.03220, 0.09384) |
| Aceh     | Other unintentional injuries                  | 5   | 13.4 (8.0, 20.6)    | 0.0000515 (0.0000308, 0.0000794) | 0.06278 (0.03824, 0.09820) | 6.5 (3.7, 10.5)   | 0.000026 (0.0000148, 0.0000423)  | 0.04367 (0.02516, 0.07071) |
| Aceh     | Diarrheal diseases                            | 10  | 12.1 (7.2, 18.9)    | 0.0000474 (0.0000282, 0.0000740) | 0.05696 (0.03421, 0.08860) | 11.9 (7.2, 17.8)  | 0.0000486 (0.0000297, 0.0000729) | 0.0817 (0.05083, 0.12039)  |
| Aceh     | HIV/AIDS                                      | 10  | 1.2 (0.3, 3.3)      | 0.0000046 (0.0000011, 0.0000128) | 0.00551 (0.00128, 0.01557) | 0.8 (0.2, 2.2)    | 0.0000034 (0.0000008, 0.0000092) | 0.00572 (0.00132, 0.01555) |
| Aceh     | Lower respiratory infections                  | 10  | 22.4 (15.0, 31.6)   | 0.0000875 (0.0000587, 0.0001235) | 0.1051 (0.07273, 0.14519)  | 15.5 (10.5, 21.9) | 0.0000634 (0.0000428, 0.0000894) | 0.10668 (0.07331, 0.14937) |
| Aceh     | Malaria                                       | 10  | 0.8 (0.1, 2.9)      | 0.0000032 (0.0000004, 0.0000113) | 0.00388 (0.00047, 0.01390) | 0.6 (0.1, 2.0)    | 0.0000024 (0.0000003, 0.0000082) | 0.00406 (0.00050, 0.01362) |
| Aceh     | Tuberculosis                                  | 10  | 7.7 (4.3, 12.3)     | 0.0000303 (0.0000167, 0.0000479) | 0.03637 (0.02047, 0.05738) | 5.7 (3.3, 8.9)    | 0.0000235 (0.0000134, 0.0000363) | 0.0395 (0.02275, 0.06141)  |
| Aceh     | Maternal disorders                            | 10  |                     |                                  |                            | 0.5 (0.1, 1.2)    | 0.0000002 (0.0000004, 0.0000049) | 0.00329 (0.00061, 0.00830) |
| Aceh     | Other communicable diseases                   | 10  | 32.4 (22.1, 43.3)   | 0.0001266 (0.0000863, 0.0001695) | 0.15213 (0.10882, 0.19786) | 22.1 (15.2, 29.7) | 0.0000904 (0.0000622, 0.0001214) | 0.1522 (0.10667, 0.20053)  |
| Aceh     | Other malignant neoplasms                     | 10  | 9.1 (5.3, 13.7)     | 0.0000357 (0.0000208, 0.0000535) | 0.04281 (0.02625, 0.06470) | 9.0 (5.6, 13.4)   | 0.0000367 (0.0000231, 0.0000548) | 0.06166 (0.03920, 0.09100) |
| Aceh     | Cerebrovascular disease                       | 10  | 3.6 (2.0, 5.6)      | 0.000014 (0.0000080, 0.0000219)  | 0.01679 (0.00969, 0.02661) | 4.1 (2.5, 6.4)    | 0.0000168 (0.0000102, 0.0000260) | 0.02826 (0.01691, 0.04332) |
| Aceh     | Ischemic heart disease                        | 10  | 2.2 (1.2, 3.7)      | 0.0000086 (0.0000046, 0.0000144) | 0.01035 (0.00567, 0.01714) | 2.4 (1.4, 4.0)    | 0.00001 (0.0000058, 0.0000163)   | 0.01686 (0.00991, 0.02753) |
| Aceh     | Other cardiovascular and circulatory diseases | 10  | 1.6 (0.7, 3.2)      | 0.0000063 (0.0000028, 0.0000127) | 0.00755 (0.00338, 0.01496) | 1.8 (0.8, 3.4)    | 0.0000073 (0.0000035, 0.0000139) | 0.01227 (0.00567, 0.02334) |
| Aceh     | Diabetes mellitus                             | 10  | 1.2 (0.6, 2.2)      | 0.0000048 (0.0000024, 0.0000087) | 0.00576 (0.00294, 0.01038) | 2.0 (1.0, 3.6)    | 0.0000082 (0.0000042, 0.0000148) | 0.01369 (0.00724, 0.02436) |
| Aceh     | Chronic kidney disease                        | 10  | 4.9 (2.9, 7.5)      | 0.0000192 (0.0000114, 0.0000292) | 0.02307 (0.01369, 0.03499) | 4.7 (2.8, 7.2)    | 0.0000193 (0.0000116, 0.0000294) | 0.03249 (0.01982, 0.04897) |
| Aceh     | Cirrhosis                                     | 10  | 5.0 (2.8, 7.6)      | 0.0000195 (0.0000108, 0.0000299) | 0.02339 (0.01329, 0.03584) | 2.6 (1.4, 4.1)    | 0.0000107 (0.0000059, 0.0000168) | 0.01807 (0.00987, 0.02774) |
| Aceh     | Chronic respiratory diseases                  | 10  | 5.5 (3.1, 9.3)      | 0.0000215 (0.0000123, 0.0000362) | 0.02584 (0.01483, 0.04145) | 2.4 (1.2, 4.2)    | 0.0000097 (0.0000051, 0.0000172) | 0.01626 (0.00869, 0.02851) |
| Aceh     | Other non-communicable diseases               | 10  | 27.9 (21.3, 35.4)   | 0.0001092 (0.0000831, 0.0001386) | 0.13125 (0.10290, 0.16227) | 28.7 (22.5, 35.5) | 0.0001176 (0.0000922, 0.0001452) | 0.19787 (0.16056, 0.23767) |
| Aceh     | Drowning                                      | 10  | 16.6 (8.8, 25.8)    | 0.0000648 (0.0000343, 0.0001008) | 0.07792 (0.04249, 0.11908) | 5.5 (2.5, 9.4)    | 0.0000225 (0.0000104, 0.0000384) | 0.03778 (0.01823, 0.06450) |
| Aceh     | Falls                                         | 10  | 4.0 (1.8, 8.0)      | 0.0000157 (0.0000071, 0.0000312) | 0.0189 (0.00872, 0.03756)  | 1.8 (0.8, 3.6)    | 0.0000072 (0.0000031, 0.0000148) | 0.01215 (0.00531, 0.02503) |
| Aceh     | Interpersonal violence                        | 10  | 2.4 (1.3, 4.2)      | 0.0000096 (0.0000052, 0.0000166) | 0.0115 (0.00632, 0.01949)  | 1.9 (0.9, 3.4)    | 0.0000078 (0.0000039, 0.0000137) | 0.01305 (0.00658, 0.02302) |
| Aceh     | Self-harm                                     | 10  | 4.2 (2.0, 7.7)      | 0.0000163 (0.0000080, 0.0000299) | 0.01955 (0.00949, 0.03562) | 2.8 (1.3, 5.0)    | 0.0000113 (0.0000054, 0.0000204) | 0.01899 (0.00927, 0.03342) |
| Aceh     | Transport injuries                            | 10  | 34.2 (23.5, 46.6)   | 0.0001339 (0.0000918, 0.0001822) | 0.16092 (0.11322, 0.21637) | 12.4 (7.8, 18.5)  | 0.0000509 (0.0000320, 0.0000758) | 0.08563 (0.05410, 0.12537) |
| Aceh     | Other unintentional injuries                  | 10  | 13.7 (8.6, 20.2)    | 0.0000536 (0.0000335, 0.0000791) | 0.06445 (0.04073, 0.09478) | 6.1 (3.6, 9.5)    | 0.0000248 (0.0000149, 0.0000387) | 0.0418 (0.02526, 0.06487)  |
| Aceh     | Diarrheal diseases                            | 15  | 8.8 (4.4, 15.2)     | 0.0000367 (0.0000186, 0.0000635) | 0.02549 (0.01349, 0.04265) | 7.7 (3.8, 13.0)   | 0.0000327 (0.0000163, 0.0000551) | 0.03374 (0.01790, 0.05587) |
| Aceh     | HIV/AIDS                                      | 15  | 1.7 (0.4, 5.1)      | 0.0000071 (0.0000015, 0.0000215) | 0.00493 (0.00112, 0.01470) | 1.2 (0.2, 3.7)    | 0.0000005 (0.0000011, 0.0000155) | 0.00514 (0.00109, 0.01630) |
| Aceh     | Lower respiratory infections                  | 15  | 17.7 (10.6, 27.9)   | 0.000074 (0.0000444, 0.0001168)  | 0.05136 (0.03126, 0.07864) | 10.2 (5.8, 16.9)  | 0.0000434 (0.0000246, 0.0000717) | 0.04468 (0.02572, 0.07151) |
| Aceh     | Malaria                                       | 15  | 2.7 (0.4, 8.7)      | 0.0000114 (0.0000015, 0.0000365) | 0.00788 (0.00109, 0.02564) | 1.9 (0.2, 5.8)    | 0.0000082 (0.0000010, 0.0000245) | 0.00846 (0.00107, 0.02520) |
| Aceh     | Tuberculosis                                  | 15  | 23.6 (15.1, 34.5)   | 0.000099 (0.0000631, 0.0001446)  | 0.06869 (0.04560, 0.09541) | 15.8 (10.3, 22.2) | 0.000067 (0.0000437, 0.0000940)  | 0.06916 (0.04558, 0.09562) |
| Aceh     | Maternal disorders                            | 15  |                     |                                  |                            | 5.5 (2.8, 9.3)    | 0.0000233 (0.0000117, 0.0000393) | 0.02399 (0.01235, 0.04116) |
| Aceh     | Other communicable diseases                   | 15  | 27.6 (17.5, 39.7)   | 0.0001157 (0.0000733, 0.0001661) | 0.08028 (0.05325, 0.11079) | 16.1 (10.1, 23.7) | 0.0000685 (0.0000429, 0.0001005) | 0.07072 (0.04514, 0.10068) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 15  | 2.0 (0.6, 4.5)      | 0.0000083 (0.0000025, 0.0000188) | 0.00577 (0.00182, 0.01274) | 0.9 (0.2, 2.2)    | 0.0000037 (0.0000010, 0.0000093) | 0.00381 (0.00107, 0.00910) |
| Aceh     | Breast cancer                                 | 15  | 0.1 (0.0, 0.2)      | 0.0000003 (0.0000000, 0.0000009) | 0.00018 (0.00002, 0.00067) | 2.3 (0.7, 5.6)    | 0.0000096 (0.0000028, 0.0000238) | 0.0099 (0.00288, 0.02343)  |
| Aceh     | Cervical cancer                               | 15  |                     |                                  |                            | 1.6 (0.3, 4.3)    | 0.0000068 (0.0000015, 0.0000184) | 0.00701 (0.00154, 0.01836) |
| Aceh     | Other malignant neoplasms                     | 15  | 12.1 (7.2, 18.5)    | 0.0000505 (0.0000303, 0.0000773) | 0.03503 (0.02157, 0.05128) | 15.0 (8.8, 22.7)  | 0.0000636 (0.0000374, 0.0000962) | 0.0656 (0.03969, 0.09668)  |
| Aceh     | Cerebrovascular disease                       | 15  | 8.0 (4.5, 12.7)     | 0.0000336 (0.0000188, 0.0000532) | 0.02329 (0.01353, 0.03560) | 8.3 (4.7, 13.3)   | 0.0000354 (0.0000201, 0.0000564) | 0.03651 (0.02105, 0.05611) |
| Aceh     | Ischemic heart disease                        | 15  | 9.1 (5.4, 14.0)     | 0.000038 (0.0000228, 0.0000586)  | 0.02639 (0.01711, 0.03975) | 7.8 (4.8, 12.0)   | 0.0000331 (0.0000204, 0.0000508) | 0.03411 (0.02158, 0.05077) |
| Aceh     | Other cardiovascular and circulatory diseases | 15  | 3.1 (1.3, 6.0)      | 0.0000128 (0.0000055, 0.0000250) | 0.00886 (0.00394, 0.01672) | 3.6 (1.5, 7.2)    | 0.0000154 (0.0000063, 0.0000305) | 0.0159 (0.00655, 0.03090)  |
| Aceh     | Diabetes mellitus                             | 15  | 2.4 (1.2, 4.3)      | 0.0000099 (0.0000050, 0.0000180) | 0.00688 (0.00354, 0.01228) | 4.2 (2.1, 7.7)    | 0.0000177 (0.0000091, 0.0000325) | 0.01824 (0.00946, 0.03275) |
| Aceh     | Chronic kidney disease                        | 15  | 8.8 (5.2, 13.6)     | 0.000037 (0.0000219, 0.0000571)  | 0.0257 (0.01605, 0.03901)  | 9.5 (5.6, 14.9)   | 0.0000402 (0.0000239, 0.0000632) | 0.04149 (0.02529, 0.06510) |
| Aceh     | Cirrhosis                                     | 15  | 7.1 (3.9, 11.7)     | 0.0000296 (0.0000163, 0.0000491) | 0.02052 (0.01198, 0.03267) | 3.8 (2.1, 6.5)    | 0.0000163 (0.0000087, 0.0000276) | 0.01678 (0.00937, 0.02749) |
| Aceh     | Chronic respiratory diseases                  | 15  | 7.0 (3.8, 11.5)     | 0.0000295 (0.0000160, 0.0000483) | 0.02043 (0.01146, 0.03229) | 4.3 (2.2, 7.5)    | 0.0000181 (0.0000091, 0.0000317) | 0.01864 (0.00998, 0.03134) |
| Aceh     | Other non-communicable diseases               | 15  | 40.5 (29.5, 54.4)   | 0.0001697 (0.0001234, 0.0002276) | 0.11765 (0.09310, 0.14400) | 40.6 (30.6, 52.1) | 0.0001722 (0.0001300, 0.0002210) | 0.1777 (0.14144, 0.22017)  |
| Aceh     | Drowning                                      | 15  | 9.1 (4.1, 15.9)     | 0.0000382 (0.0000173, 0.0000664) | 0.0265 (0.01298, 0.04449)  | 2.4 (1.0, 4.6)    | 0.0000101 (0.0000042, 0.0000195) | 0.01044 (0.00441, 0.02037) |
| Aceh     | Falls                                         | 15  | 4.0 (1.8, 7.9)      | 0.0000168 (0.0000074, 0.0000332) | 0.01165 (0.00560, 0.02207) | 1.5 (0.6, 3.2)    | 0.0000065 (0.0000026, 0.0000136) | 0.00675 (0.00269, 0.01407) |
| Aceh     | Interpersonal violence                        | 15  | 7.1 (4.0, 11.5)     | 0.0000296 (0.0000166, 0.0000482) | 0.02054 (0.01221, 0.03179) | 5.8 (2.8, 10.4)   | 0.0000248 (0.0000118, 0.0000442) | 0.02559 (0.01216, 0.04522) |
| Aceh     | Self-harm                                     | 15  | 10.3 (6.1, 16.3)    | 0.0000433 (0.0000254, 0.0000681) | 0.03003 (0.01828, 0.04586) | 7.5 (4.1, 12.6)   | 0.000032 (0.0000172, 0.0000536)  | 0.03306 (0.01807, 0.05508) |
| Aceh     | Transport injuries                            | 15  | 107.9 (81.1, 141.3) | 0.000452 (0.0003395, 0.0005917)  | 0.31344 (0.26172, 0.36339) | 40.7 (29.7, 53.9) | 0.0001728 (0.0001258, 0.0002287) | 0.17834 (0.13298, 0.22860) |
| Aceh     | Other unintentional injuries                  | 15  | 23.6 (14.9, 34.2)   | 0.0000988 (0.0000624, 0.0001434) | 0.06851 (0.04611, 0.09644) | 10.1 (5.8, 16.3)  | 0.0000429 (0.0000246, 0.0000691) | 0.0442 (0.02559, 0.07197)  |
| Aceh     | Diarrheal diseases                            | 20  | 9.9 (5.1, 17.5)     | 0.0000425 (0.0000218, 0.0000751) | 0.02215 (0.01211, 0.03701) | 6.0 (3.2, 10.3)   | 0.0000248 (0.0000131, 0.0000425) | 0.01954 (0.01054, 0.03321) |

# Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | HIV/AIDS                                      | 20  | 7.0 (2.0, 18.3)     | 0.0000302 (0.0000086, 0.0000788) | 0.01575 (0.00451, 0.04179) | 3.2 (0.8, 8.4)    | 0.0000132 (0.0000034, 0.0000345) | 0.01043 (0.00286, 0.02584) |
| Aceh     | Lower respiratory infections                  | 20  | 22.0 (11.8, 36.1)   | 0.0000946 (0.0000508, 0.0001553) | 0.0492 (0.02843, 0.07602)  | 7.6 (4.0, 13.1)   | 0.0000315 (0.0000164, 0.0000540) | 0.02478 (0.01355, 0.04144) |
| Aceh     | Malaria                                       | 20  | 3.6 (0.5, 12.3)     | 0.0000156 (0.0000021, 0.0000527) | 0.00814 (0.00106, 0.02746) | 1.8 (0.2, 5.5)    | 0.0000074 (0.0000010, 0.0000227) | 0.00581 (0.00076, 0.01711) |
| Aceh     | Tuberculosis                                  | 20  | 56.2 (37.9, 79.2)   | 0.0002414 (0.0001630, 0.0003406) | 0.12557 (0.09228, 0.16049) | 21.7 (14.4, 30.3) | 0.0000894 (0.0000593, 0.0001251) | 0.07057 (0.04769, 0.09535) |
| Aceh     | Maternal disorders                            | 20  |                     |                                  |                            | 40.1 (26.9, 54.6) | 0.0001656 (0.0001109, 0.0002255) | 0.13057 (0.09310, 0.17127) |
| Aceh     | Other communicable diseases                   | 20  | 41.3 (25.3, 59.5)   | 0.0001775 (0.0001088, 0.0002556) | 0.09239 (0.06267, 0.12471) | 16.7 (9.9, 25.0)  | 0.0000688 (0.0000410, 0.0001032) | 0.05424 (0.03417, 0.07820) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 20  | 1.5 (0.4, 4.2)      | 0.0000067 (0.0000016, 0.0000181) | 0.00345 (0.00092, 0.00949) | 1.7 (0.5, 3.8)    | 0.000007 (0.0000023, 0.0000158)  | 0.00553 (0.00178, 0.01247) |
| Aceh     | Breast cancer                                 | 20  | 0.1 (0.0, 0.2)      | 0.0000003 (0.0000001, 0.0000010) | 0.00018 (0.00004, 0.00053) | 7.2 (2.9, 14.1)   | 0.0000296 (0.0000121, 0.0000582) | 0.02336 (0.00974, 0.04468) |
| Aceh     | Cervical cancer                               | 20  |                     |                                  |                            | 5.0 (1.5, 11.5)   | 0.0000207 (0.0000062, 0.0000475) | 0.01626 (0.00500, 0.03525) |
| Aceh     | Other malignant neoplasms                     | 20  | 12.0 (6.7, 19.1)    | 0.0000514 (0.0000289, 0.0000823) | 0.02674 (0.01693, 0.03979) | 18.3 (10.4, 28.2) | 0.0000757 (0.0000428, 0.0001165) | 0.05974 (0.03454, 0.08999) |
| Aceh     | Cerebrovascular disease                       | 20  | 16.7 (10.4, 25.3)   | 0.000072 (0.0000448, 0.0001088)  | 0.0374 (0.02585, 0.05116)  | 16.0 (10.4, 23.7) | 0.0000663 (0.0000431, 0.0000978) | 0.05222 (0.03563, 0.07223) |
| Aceh     | Ischemic heart disease                        | 20  | 18.0 (11.5, 27.0)   | 0.0000772 (0.0000495, 0.0001163) | 0.04017 (0.02782, 0.05556) | 11.2 (7.2, 16.4)  | 0.0000462 (0.0000296, 0.0000677) | 0.03647 (0.02437, 0.05160) |
| Aceh     | Other cardiovascular and circulatory diseases | 20  | 5.0 (2.5, 9.0)      | 0.0000215 (0.0000105, 0.0000386) | 0.01117 (0.00583, 0.01914) | 6.3 (3.3, 10.9)   | 0.0000259 (0.0000138, 0.0000450) | 0.02043 (0.01113, 0.03436) |
| Aceh     | Diabetes mellitus                             | 20  | 2.5 (1.3, 4.3)      | 0.0000105 (0.0000056, 0.0000187) | 0.00548 (0.00313, 0.00877) | 4.5 (2.6, 7.6)    | 0.0000187 (0.0000107, 0.0000312) | 0.01475 (0.00862, 0.02371) |
| Aceh     | Chronic kidney disease                        | 20  | 14.4 (9.1, 21.6)    | 0.000062 (0.0000390, 0.0000928)  | 0.03228 (0.02254, 0.04569) | 16.2 (10.5, 24.5) | 0.0000667 (0.0000432, 0.0001011) | 0.05256 (0.03577, 0.07614) |
| Aceh     | Cirrhosis                                     | 20  | 12.6 (7.0, 20.4)    | 0.0000542 (0.0000301, 0.0000876) | 0.02818 (0.01665, 0.04136) | 7.2 (3.9, 11.5)   | 0.0000297 (0.0000162, 0.0000473) | 0.02343 (0.01347, 0.03573) |
| Aceh     | Chronic respiratory diseases                  | 20  | 16.8 (10.1, 25.9)   | 0.0000721 (0.0000436, 0.0001113) | 0.03754 (0.02337, 0.05477) | 13.5 (8.0, 20.8)  | 0.0000556 (0.0000331, 0.0000860) | 0.04378 (0.02725, 0.06404) |
| Aceh     | Other non-communicable diseases               | 20  | 42.5 (29.8, 59.2)   | 0.0001829 (0.0001282, 0.0002543) | 0.09514 (0.07485, 0.11848) | 42.4 (31.2, 55.7) | 0.0001751 (0.0001287, 0.0002298) | 0.13811 (0.10935, 0.17071) |
| Aceh     | Drowning                                      | 20  | 8.4 (3.7, 15.0)     | 0.0000363 (0.0000158, 0.0000646) | 0.01891 (0.00850, 0.03311) | 1.9 (0.8, 3.9)    | 0.000008 (0.0000034, 0.0000161)  | 0.00633 (0.00259, 0.01248) |
| Aceh     | Falls                                         | 20  | 4.8 (2.1, 9.4)      | 0.0000207 (0.0000091, 0.0000406) | 0.01075 (0.00513, 0.02002) | 1.6 (0.7, 3.4)    | 0.0000068 (0.0000028, 0.0000141) | 0.00533 (0.00219, 0.01092) |
| Aceh     | Interpersonal violence                        | 20  | 8.9 (5.1, 14.6)     | 0.0000383 (0.0000218, 0.0000626) | 0.0199 (0.01219, 0.03142)  | 6.5 (3.3, 11.6)   | 0.0000268 (0.0000136, 0.0000477) | 0.02113 (0.01085, 0.03555) |
| Aceh     | Self-harm                                     | 20  | 10.9 (6.3, 17.9)    | 0.0000469 (0.0000273, 0.0000771) | 0.02438 (0.01548, 0.03762) | 7.1 (3.8, 12.1)   | 0.0000292 (0.0000156, 0.0000499) | 0.02303 (0.01273, 0.03890) |
| Aceh     | Transport injuries                            | 20  | 102.5 (71.0, 140.6) | 0.0004408 (0.0003051, 0.0006045) | 0.2292 (0.18371, 0.27750)  | 32.3 (22.5, 44.8) | 0.0001332 (0.0000931, 0.0001851) | 0.10513 (0.07649, 0.14157) |
| Aceh     | Other unintentional injuries                  | 20  | 29.5 (18.2, 44.4)   | 0.0001268 (0.0000782, 0.0001908) | 0.06594 (0.04343, 0.09124) | 11.2 (6.6, 17.7)  | 0.0000463 (0.0000272, 0.0000731) | 0.03647 (0.02180, 0.05587) |
| Aceh     | Diarrheal diseases                            | 25  | 13.4 (7.4, 22.1)    | 0.0000612 (0.0000335, 0.0001004) | 0.0273 (0.01566, 0.04444)  | 9.6 (5.2, 16.4)   | 0.0000422 (0.0000227, 0.0000723) | 0.02598 (0.01519, 0.04181) |
| Aceh     | HIV/AIDS                                      | 25  | 12.8 (4.0, 30.5)    | 0.0000583 (0.0000184, 0.0001389) | 0.02606 (0.00833, 0.06204) | 6.8 (1.8, 16.8)   | 0.0000301 (0.0000080, 0.0000739) | 0.01856 (0.00531, 0.04443) |
| Aceh     | Lower respiratory infections                  | 25  | 22.7 (12.2, 37.4)   | 0.0001034 (0.0000557, 0.0001701) | 0.04609 (0.02730, 0.07342) | 9.2 (4.7, 15.6)   | 0.0000407 (0.0000206, 0.0000686) | 0.02499 (0.01332, 0.04184) |
| Aceh     | Malaria                                       | 25  | 3.8 (0.5, 12.2)     | 0.0000172 (0.0000022, 0.0000554) | 0.00769 (0.00100, 0.02603) | 2.0 (0.3, 6.7)    | 0.000009 (0.0000012, 0.0000293)  | 0.00554 (0.00072, 0.01785) |
| Aceh     | Tuberculosis                                  | 25  | 77.4 (54.6, 108.0)  | 0.0003525 (0.0002487, 0.0004918) | 0.15719 (0.11809, 0.19770) | 32.3 (21.0, 45.7) | 0.0001422 (0.0000925, 0.0002010) | 0.08758 (0.06021, 0.11628) |
| Aceh     | Maternal disorders                            | 25  |                     |                                  |                            | 42.4 (27.8, 58.9) | 0.0001866 (0.0001225, 0.0002590) | 0.11495 (0.08101, 0.14915) |
| Aceh     | Other communicable diseases                   | 25  | 41.6 (26.0, 60.4)   | 0.0001896 (0.0001185, 0.0002750) | 0.0846 (0.05762, 0.11432)  | 20.2 (12.0, 30.5) | 0.0000888 (0.0000526, 0.0001344) | 0.05467 (0.03361, 0.07809) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 25  | 2.1 (0.5, 5.6)      | 0.0000094 (0.0000024, 0.0000256) | 0.00418 (0.00113, 0.01112) | 2.4 (0.8, 5.2)    | 0.0000105 (0.0000036, 0.0000229) | 0.00647 (0.00230, 0.01366) |
| Aceh     | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)      | 0.0000004 (0.0000001, 0.0000012) | 0.00016 (0.00003, 0.00050) | 14.5 (6.5, 25.0)  | 0.0000638 (0.0000286, 0.0001098) | 0.03932 (0.01958, 0.06641) |
| Aceh     | Cervical cancer                               | 25  |                     |                                  |                            | 8.7 (2.9, 17.8)   | 0.0000385 (0.0000128, 0.0000782) | 0.02361 (0.00834, 0.04491) |
| Aceh     | Other malignant neoplasms                     | 25  | 15.4 (9.2, 24.0)    | 0.00007 (0.0000420, 0.0001091)   | 0.03123 (0.02015, 0.04561) | 20.2 (10.8, 32.4) | 0.0000888 (0.0000477, 0.0001425) | 0.05467 (0.03099, 0.08317) |
| Aceh     | Cerebrovascular disease                       | 25  | 29.0 (20.0, 41.2)   | 0.0001323 (0.0000910, 0.0001877) | 0.05894 (0.04410, 0.07597) | 27.6 (19.0, 39.3) | 0.0001214 (0.0000835, 0.0001731) | 0.07469 (0.05595, 0.09780) |
| Aceh     | Ischemic heart disease                        | 25  | 34.1 (23.4, 49.3)   | 0.0001551 (0.0001066, 0.0002247) | 0.06915 (0.05198, 0.08970) | 19.1 (12.8, 26.8) | 0.0000842 (0.0000565, 0.0001179) | 0.05185 (0.03695, 0.06955) |
| Aceh     | Other cardiovascular and circulatory diseases | 25  | 6.4 (3.2, 10.8)     | 0.0000293 (0.0000143, 0.0000492) | 0.01305 (0.00713, 0.02072) | 8.2 (4.4, 13.9)   | 0.0000362 (0.0000192, 0.0000610) | 0.02227 (0.01259, 0.03554) |
| Aceh     | Diabetes mellitus                             | 25  | 4.1 (2.5, 6.5)      | 0.0000189 (0.0000113, 0.0000298) | 0.0084 (0.00528, 0.01236)  | 7.4 (4.5, 11.5)   | 0.0000327 (0.0000198, 0.0000508) | 0.02011 (0.01292, 0.02933) |
| Aceh     | Chronic kidney disease                        | 25  | 16.4 (11.0, 23.6)   | 0.0000749 (0.0000502, 0.0001076) | 0.03343 (0.02379, 0.04524) | 17.7 (11.3, 26.6) | 0.0000778 (0.0000498, 0.0001171) | 0.04782 (0.03315, 0.06551) |
| Aceh     | Cirrhosis                                     | 25  | 17.3 (10.3, 27.0)   | 0.000079 (0.0000467, 0.0001228)  | 0.0352 (0.02204, 0.04973)  | 10.0 (5.8, 15.3)  | 0.0000441 (0.0000253, 0.0000674) | 0.02711 (0.01686, 0.03938) |
| Aceh     | Chronic respiratory diseases                  | 25  | 20.4 (12.6, 30.6)   | 0.0000929 (0.0000574, 0.0001395) | 0.04146 (0.02732, 0.05872) | 17.2 (10.3, 26.2) | 0.0000759 (0.0000452, 0.0001153) | 0.04664 (0.03018, 0.06613) |
| Aceh     | Other non-communicable diseases               | 25  | 48.3 (34.3, 67.1)   | 0.0002198 (0.0001562, 0.0003055) | 0.09804 (0.07703, 0.12274) | 48.5 (34.9, 65.2) | 0.0002133 (0.0001536, 0.0002869) | 0.13127 (0.10296, 0.16288) |
| Aceh     | Drowning                                      | 25  | 5.1 (2.1, 9.5)      | 0.000023 (0.0000097, 0.0000434)  | 0.01026 (0.00456, 0.01901) | 1.2 (0.5, 2.5)    | 0.0000054 (0.0000022, 0.0000111) | 0.00331 (0.00138, 0.00674) |
| Aceh     | Falls                                         | 25  | 6.3 (3.0, 12.0)     | 0.0000285 (0.0000136, 0.0000547) | 0.01268 (0.00643, 0.02314) | 2.2 (0.9, 4.2)    | 0.0000095 (0.0000041, 0.0000184) | 0.00588 (0.00273, 0.01160) |
| Aceh     | Interpersonal violence                        | 25  | 8.5 (4.9, 14.1)     | 0.0000386 (0.0000223, 0.0000643) | 0.01721 (0.01023, 0.02692) | 5.6 (2.8, 9.7)    | 0.0000247 (0.0000121, 0.0000426) | 0.01518 (0.00769, 0.02555) |
| Aceh     | Self-harm                                     | 25  | 9.7 (5.8, 16.4)     | 0.000044 (0.0000264, 0.0000745)  | 0.01963 (0.01204, 0.03107) | 5.6 (3.0, 9.3)    | 0.0000244 (0.0000133, 0.0000409) | 0.01506 (0.00869, 0.02505) |
| Aceh     | Transport injuries                            | 25  | 64.8 (42.7, 92.0)   | 0.0002951 (0.0001944, 0.0004188) | 0.13159 (0.09448, 0.17443) | 18.5 (11.7, 27.7) | 0.0000816 (0.0000515, 0.0001220) | 0.05029 (0.03308, 0.07379) |
| Aceh     | Other unintentional injuries                  | 25  | 32.7 (20.7, 49.9)   | 0.000149 (0.0000940, 0.0002273)  | 0.06645 (0.04393, 0.09455) | 11.9 (7.0, 18.8)  | 0.0000523 (0.0000307, 0.0000828) | 0.03218 (0.01954, 0.04842) |
| Aceh     | Diarrheal diseases                            | 30  | 13.6 (7.4, 22.3)    | 0.0000695 (0.0000378, 0.0001142) | 0.02767 (0.01573, 0.04453) | 10.4 (5.9, 17.2)  | 0.0000533 (0.0000304, 0.0000877) | 0.02549 (0.01516, 0.03895) |
| Aceh     | HIV/AIDS                                      | 30  | 12.1 (3.9, 28.3)    | 0.0000618 (0.0000197, 0.0001448) | 0.02469 (0.00804, 0.05725) | 7.1 (2.1, 16.5)   | 0.0000363 (0.0000108, 0.0000845) | 0.01742 (0.00524, 0.04015) |
| Aceh     | Lower respiratory infections                  | 30  | 19.7 (10.4, 32.5)   | 0.0001008 (0.0000532, 0.0001662) | 0.04009 (0.02317, 0.06409) | 9.2 (4.7, 16.1)   | 0.0000472 (0.0000238, 0.0000824) | 0.02255 (0.01208, 0.03713) |
| Aceh     | Malaria                                       | 30  | 2.9 (0.4, 8.8)      | 0.0000147 (0.0000018, 0.0000452) | 0.00582 (0.00080, 0.01851) | 1.5 (0.2, 4.9)    | 0.0000077 (0.0000011, 0.0000249) | 0.0037 (0.00053, 0.01144)  |
| Aceh     | Tuberculosis                                  | 30  | 70.9 (50.1, 98.2)   | 0.0003626 (0.0002562, 0.0005020) | 0.14425 (0.10865, 0.18197) | 30.6 (19.1, 43.8) | 0.0001567 (0.0000978, 0.0002241) | 0.075 (0.05206, 0.09868)   |
| Aceh     | Maternal disorders                            | 30  |                     |                                  |                            | 40.5 (26.9, 56.0) | 0.0002069 (0.0001374, 0.0002861) | 0.09914 (0.07193, 0.12914) |
| Aceh     | Other communicable diseases                   | 30  | 26.6 (15.7, 41.1)   | 0.0001362 (0.0000805, 0.0002103) | 0.05421 (0.03343, 0.07711) | 14.2 (7.9, 22.7)  | 0.0000728 (0.0000403, 0.0001161) | 0.03486 (0.02074, 0.05188) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 30  | 5.7 (1.6, 13.7)     | 0.0000293 (0.0000082, 0.0000701) | 0.01161 (0.00360, 0.02579) | 2.7 (1.0, 5.7)    | 0.0000139 (0.0000050, 0.0000292) | 0.00665 (0.00260, 0.01368) |
| Aceh     | Breast cancer                                 | 30  | 0.1 (0.0, 0.3)      | 0.0000005 (0.0000001, 0.0000018) | 0.0002 (0.00003, 0.00071)  | 21.2 (10.5, 34.2) | 0.0001084 (0.0000537, 0.0001751) | 0.05199 (0.02696, 0.08067) |
| Aceh     | Cervical cancer                               | 30  |                     |                                  |                            | 13.8 (5.3, 26.4)  | 0.0000704 (0.0000273, 0.0001350) | 0.03359 (0.01384, 0.06015) |
| Aceh     | Other malignant neoplasms                     | 30  | 19.0 (11.6, 29.6)   | 0.000097 (0.0000594, 0.0001514)  | 0.03858 (0.02529, 0.05643) | 19.7 (10.4, 31.9) | 0.0001008 (0.0000532, 0.0001632) | 0.04822 (0.02748, 0.07471) |
| Aceh     | Cerebrovascular disease                       | 30  | 43.5 (30.7, 61.8)   | 0.0002224 (0.0001570, 0.0003162) | 0.08844 (0.06858, 0.11125) | 44.1 (31.3, 60.5) | 0.0002255 (0.0001599, 0.0003096) | 0.10796 (0.08303, 0.13422) |
| Aceh     | Ischemic heart disease                        | 30  | 47.4 (33.6, 67.1)   | 0.0002424 (0.0001721, 0.0003432) | 0.0965 (0.07440, 0.12275)  | 27.4 (18.7, 38.3) | 0.0001401 (0.0000956, 0.0001959) | 0.06711 (0.04955, 0.08762) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                             | Females             |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | Other cardiovascular and circulatory diseases | 30  | 7.4 (3.8, 12.4)     | 0.0000381 (0.0000192, 0.0000634) | 0.01513 (0.00840, 0.02358)  | 10.0 (5.5, 16.8)    | 0.0000509 (0.0000282, 0.0000857) | 0.02434 (0.01408, 0.03846) |
| Aceh     | Diabetes mellitus                             | 30  | 6.6 (4.2, 10.2)     | 0.0000338 (0.0000213, 0.0000522) | 0.01345 (0.00930, 0.01891)  | 12.0 (7.8, 17.7)    | 0.0000612 (0.0000399, 0.0000906) | 0.02931 (0.02060, 0.04026) |
| Aceh     | Chronic kidney disease                        | 30  | 17.3 (11.7, 24.9)   | 0.0000885 (0.0000599, 0.0001271) | 0.03523 (0.02579, 0.04632)  | 18.5 (12.0, 26.5)   | 0.0000946 (0.0000615, 0.0001357) | 0.04522 (0.03267, 0.06045) |
| Aceh     | Cirrhosis                                     | 30  | 22.0 (13.2, 34.7)   | 0.0001127 (0.0000677, 0.0001773) | 0.0448 (0.02846, 0.06286)   | 13.6 (8.0, 20.9)    | 0.0000697 (0.0000408, 0.0001067) | 0.03335 (0.02093, 0.04785) |
| Aceh     | Chronic respiratory diseases                  | 30  | 20.0 (12.4, 30.4)   | 0.0001021 (0.0000633, 0.0001555) | 0.04065 (0.02681, 0.05792)  | 17.7 (10.5, 26.9)   | 0.0000903 (0.0000536, 0.0001378) | 0.0432 (0.02864, 0.06071)  |
| Aceh     | Other non-communicable diseases               | 30  | 47.8 (34.3, 66.7)   | 0.0002443 (0.0001752, 0.0003409) | 0.09721 (0.07596, 0.12409)  | 50.9 (35.9, 68.5)   | 0.0002604 (0.0001836, 0.0003504) | 0.12464 (0.09904, 0.15428) |
| Aceh     | Drowning                                      | 30  | 5.4 (2.4, 10.1)     | 0.0000278 (0.0000123, 0.0000517) | 0.0111 (0.00502, 0.01981)   | 1.8 (0.7, 3.6)      | 0.000009 (0.0000038, 0.0000182)  | 0.00429 (0.00185, 0.00805) |
| Aceh     | Falls                                         | 30  | 7.2 (3.4, 13.2)     | 0.0000367 (0.0000174, 0.0000672) | 0.01461 (0.00734, 0.02582)  | 3.1 (1.4, 5.8)      | 0.0000159 (0.0000072, 0.0000297) | 0.00761 (0.00368, 0.01429) |
| Aceh     | Interpersonal violence                        | 30  | 6.3 (3.5, 10.4)     | 0.0000324 (0.0000181, 0.0000534) | 0.01291 (0.00748, 0.02032)  | 4.4 (2.2, 7.8)      | 0.0000226 (0.0000110, 0.0000398) | 0.01082 (0.00553, 0.01818) |
| Aceh     | Self-harm                                     | 30  | 7.1 (4.1, 11.9)     | 0.0000362 (0.0000212, 0.0000608) | 0.01441 (0.00883, 0.02262)  | 4.2 (2.3, 6.9)      | 0.0000213 (0.0000116, 0.0000353) | 0.01021 (0.00601, 0.01660) |
| Aceh     | Transport injuries                            | 30  | 53.8 (35.4, 78.8)   | 0.000275 (0.0001810, 0.0004030)  | 0.10945 (0.07796, 0.14792)  | 18.0 (11.3, 27.9)   | 0.000092 (0.0000577, 0.0001429)  | 0.04413 (0.02892, 0.06399) |
| Aceh     | Other unintentional injuries                  | 30  | 29.0 (18.3, 45.4)   | 0.0001482 (0.0000937, 0.0002319) | 0.05898 (0.03965, 0.08505)  | 11.9 (7.0, 19.0)    | 0.000061 (0.0000356, 0.0000969)  | 0.02918 (0.01833, 0.04435) |
| Aceh     | Diarrheal diseases                            | 35  | 11.8 (6.6, 19.2)    | 0.0000665 (0.0000372, 0.0001080) | 0.02059 (0.01221, 0.03251)  | 14.1 (8.1, 22.7)    | 0.0000812 (0.0000465, 0.0001310) | 0.02598 (0.01594, 0.03965) |
| Aceh     | HIV/AIDS                                      | 35  | 10.6 (3.1, 25.2)    | 0.0000596 (0.0000177, 0.0001418) | 0.01851 (0.00559, 0.04385)  | 9.1 (2.5, 21.4)     | 0.0000525 (0.0000143, 0.0001233) | 0.01685 (0.00474, 0.03964) |
| Aceh     | Lower respiratory infections                  | 35  | 21.1 (11.3, 34.3)   | 0.0001187 (0.0000637, 0.0001931) | 0.03676 (0.02083, 0.05923)  | 14.9 (7.7, 25.9)    | 0.0000858 (0.0000444, 0.0001493) | 0.02743 (0.01482, 0.04442) |
| Aceh     | Malaria                                       | 35  | 2.5 (0.3, 7.6)      | 0.0000142 (0.0000018, 0.0000430) | 0.00441 (0.000057, 0.01402) | 2.0 (0.3, 6.1)      | 0.0000113 (0.0000015, 0.0000349) | 0.00361 (0.00048, 0.01121) |
| Aceh     | Tuberculosis                                  | 35  | 76.1 (54.1, 105.5)  | 0.000428 (0.0003045, 0.0005935)  | 0.13239 (0.09901, 0.16462)  | 46.5 (30.2, 64.9)   | 0.0002682 (0.0001742, 0.0003742) | 0.08595 (0.06127, 0.11212) |
| Aceh     | Maternal disorders                            | 35  |                     |                                  |                             | 21.1 (12.5, 31.5)   | 0.0001215 (0.0000718, 0.0001813) | 0.03896 (0.02550, 0.05466) |
| Aceh     | Other communicable diseases                   | 35  | 23.6 (13.8, 36.4)   | 0.0001326 (0.0000777, 0.0002051) | 0.04106 (0.02517, 0.05942)  | 19.8 (11.4, 30.6)   | 0.0001141 (0.0000658, 0.0001764) | 0.03659 (0.02259, 0.05334) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 35  | 3.7 (1.0, 9.4)      | 0.000021 (0.0000056, 0.0000530)  | 0.00649 (0.00185, 0.01567)  | 3.9 (1.5, 8.6)      | 0.0000224 (0.0000089, 0.0000494) | 0.00717 (0.00299, 0.01461) |
| Aceh     | Breast cancer                                 | 35  | 0.2 (0.0, 0.6)      | 0.0000012 (0.0000002, 0.0000037) | 0.00035 (0.000006, 0.00110) | 33.1 (17.9, 53.4)   | 0.0001907 (0.0001031, 0.0003077) | 0.06119 (0.03332, 0.09227) |
| Aceh     | Cervical cancer                               | 35  |                     |                                  |                             | 22.9 (9.5, 44.3)    | 0.0001318 (0.0000547, 0.0002551) | 0.04209 (0.01834, 0.07218) |
| Aceh     | Other malignant neoplasms                     | 35  | 26.9 (16.7, 41.5)   | 0.0001514 (0.0000942, 0.0002337) | 0.04684 (0.03081, 0.06785)  | 22.7 (11.4, 37.7)   | 0.0001305 (0.0000659, 0.0002176) | 0.04179 (0.02343, 0.06614) |
| Aceh     | Cerebrovascular disease                       | 35  | 72.1 (53.2, 98.8)   | 0.0004056 (0.0002994, 0.0005561) | 0.1255 (0.10067, 0.15403)   | 78.2 (56.4, 107.6)  | 0.0004507 (0.0003251, 0.0006201) | 0.14434 (0.11567, 0.17491) |
| Aceh     | Ischemic heart disease                        | 35  | 72.0 (52.9, 98.6)   | 0.0004051 (0.0002976, 0.0005547) | 0.12538 (0.09931, 0.15515)  | 44.4 (29.9, 62.4)   | 0.0002557 (0.0001726, 0.0003598) | 0.08191 (0.06218, 0.10503) |
| Aceh     | Other cardiovascular and circulatory diseases | 35  | 10.1 (5.3, 16.4)    | 0.0000567 (0.0000299, 0.0000923) | 0.01754 (0.01003, 0.02705)  | 14.2 (7.8, 23.7)    | 0.0000818 (0.0000449, 0.0001363) | 0.02617 (0.01552, 0.04074) |
| Aceh     | Diabetes mellitus                             | 35  | 13.2 (8.7, 19.9)    | 0.0000741 (0.0000489, 0.0001121) | 0.02294 (0.01606, 0.03106)  | 24.5 (16.1, 36.3)   | 0.000141 (0.0000928, 0.0002095)  | 0.04512 (0.03213, 0.06059) |
| Aceh     | Chronic kidney disease                        | 35  | 21.8 (15.0, 31.3)   | 0.0001226 (0.0000844, 0.0001760) | 0.03796 (0.02772, 0.05023)  | 23.8 (15.4, 34.8)   | 0.0001369 (0.0000889, 0.0002008) | 0.04379 (0.03149, 0.05876) |
| Aceh     | Cirrhosis                                     | 35  | 29.3 (17.8, 45.2)   | 0.000165 (0.0001002, 0.0002544)  | 0.051 (0.03272, 0.07003)    | 19.3 (11.4, 29.3)   | 0.0001112 (0.0000657, 0.0001687) | 0.03559 (0.02278, 0.05046) |
| Aceh     | Chronic respiratory diseases                  | 35  | 25.8 (16.2, 37.7)   | 0.0001451 (0.0000912, 0.0002120) | 0.04492 (0.03107, 0.06244)  | 22.6 (14.0, 35.2)   | 0.0001303 (0.0000806, 0.0002031) | 0.0417 (0.02874, 0.05859)  |
| Aceh     | Other non-communicable diseases               | 35  | 52.4 (37.8, 72.5)   | 0.0002948 (0.0002125, 0.0004082) | 0.09123 (0.07190, 0.11641)  | 59.5 (41.3, 82.9)   | 0.0003431 (0.0002377, 0.0004776) | 0.1099 (0.08526, 0.13843)  |
| Aceh     | Drowning                                      | 35  | 7.1 (3.1, 13.2)     | 0.0000398 (0.0000173, 0.0000742) | 0.01234 (0.00557, 0.02238)  | 2.8 (1.1, 5.6)      | 0.0000161 (0.0000065, 0.0000320) | 0.00515 (0.00219, 0.00964) |
| Aceh     | Falls                                         | 35  | 7.5 (3.8, 13.6)     | 0.0000424 (0.0000212, 0.0000766) | 0.01314 (0.00678, 0.02355)  | 3.9 (1.8, 7.2)      | 0.0000223 (0.0000102, 0.0000415) | 0.00714 (0.00343, 0.01275) |
| Aceh     | Interpersonal violence                        | 35  | 5.7 (3.2, 9.5)      | 0.0000321 (0.0000178, 0.0000534) | 0.00995 (0.00552, 0.01606)  | 4.3 (2.1, 7.6)      | 0.0000247 (0.0000120, 0.0000435) | 0.00791 (0.00403, 0.01354) |
| Aceh     | Self-harm                                     | 35  | 6.8 (4.0, 11.3)     | 0.0000385 (0.0000223, 0.0000634) | 0.01193 (0.00700, 0.01858)  | 4.3 (2.3, 7.2)      | 0.0000246 (0.0000130, 0.0000417) | 0.00788 (0.00446, 0.01267) |
| Aceh     | Transport injuries                            | 35  | 45.3 (29.0, 66.5)   | 0.0002549 (0.0001634, 0.0003742) | 0.07892 (0.05458, 0.11028)  | 17.1 (10.5, 27.3)   | 0.0000983 (0.0000606, 0.0001575) | 0.03155 (0.02026, 0.04797) |
| Aceh     | Other unintentional injuries                  | 35  | 28.6 (17.8, 43.7)   | 0.0001609 (0.0001000, 0.0002457) | 0.04983 (0.03305, 0.07101)  | 13.1 (7.4, 20.4)    | 0.0000757 (0.0000429, 0.0001178) | 0.02423 (0.01548, 0.03722) |
| Aceh     | Diarrheal diseases                            | 40  | 12.2 (7.0, 20.2)    | 0.0000846 (0.0000484, 0.0001402) | 0.01831 (0.01089, 0.02903)  | 16.4 (9.8, 26.0)    | 0.0001153 (0.0000690, 0.0001829) | 0.02611 (0.01661, 0.04048) |
| Aceh     | HIV/AIDS                                      | 40  | 5.3 (1.5, 13.9)     | 0.0000369 (0.0000105, 0.0000969) | 0.00801 (0.00228, 0.02049)  | 5.2 (1.3, 12.9)     | 0.0000365 (0.0000095, 0.0000911) | 0.00827 (0.00228, 0.02042) |
| Aceh     | Lower respiratory infections                  | 40  | 19.6 (10.8, 32.4)   | 0.0001358 (0.0000753, 0.0002250) | 0.02937 (0.01701, 0.04690)  | 16.2 (8.7, 27.2)    | 0.0001136 (0.0000609, 0.0001915) | 0.02573 (0.01412, 0.04068) |
| Aceh     | Malaria                                       | 40  | 2.5 (0.3, 7.5)      | 0.0000173 (0.0000021, 0.0000523) | 0.00375 (0.00047, 0.01177)  | 2.1 (0.3, 6.7)      | 0.0000147 (0.0000019, 0.0000468) | 0.00333 (0.00042, 0.01059) |
| Aceh     | Tuberculosis                                  | 40  | 68.7 (49.4, 93.6)   | 0.0004772 (0.0003431, 0.0006498) | 0.10312 (0.07915, 0.12841)  | 46.9 (31.8, 64.4)   | 0.0003299 (0.0002235, 0.0004534) | 0.07475 (0.05464, 0.09538) |
| Aceh     | Maternal disorders                            | 40  |                     |                                  |                             | 4.8 (2.4, 8.1)      | 0.0000337 (0.0000171, 0.0000571) | 0.00764 (0.00413, 0.01232) |
| Aceh     | Other communicable diseases                   | 40  | 21.5 (12.8, 33.1)   | 0.0001493 (0.0000890, 0.0002298) | 0.03227 (0.01955, 0.04706)  | 20.7 (12.0, 32.0)   | 0.0001455 (0.0000842, 0.0002255) | 0.03297 (0.01984, 0.04862) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 40  | 7.8 (3.1, 16.4)     | 0.000054 (0.0000217, 0.0001138)  | 0.01164 (0.00475, 0.02249)  | 4.7 (1.9, 10.4)     | 0.0000331 (0.0000134, 0.0000735) | 0.00749 (0.00316, 0.01582) |
| Aceh     | Breast cancer                                 | 40  | 0.4 (0.1, 1.1)      | 0.0000029 (0.0000007, 0.0000078) | 0.00063 (0.00015, 0.00178)  | 42.1 (23.7, 66.4)   | 0.0002966 (0.0001671, 0.0004670) | 0.06732 (0.03940, 0.09986) |
| Aceh     | Cervical cancer                               | 40  |                     |                                  |                             | 28.6 (11.6, 53.0)   | 0.0002014 (0.0000816, 0.0003732) | 0.0455 (0.01955, 0.07877)  |
| Aceh     | Other malignant neoplasms                     | 40  | 36.7 (23.0, 56.6)   | 0.0002549 (0.0001595, 0.0003933) | 0.05506 (0.03661, 0.07987)  | 22.9 (11.7, 38.9)   | 0.0001609 (0.0000821, 0.0002741) | 0.03641 (0.02024, 0.05883) |
| Aceh     | Cerebrovascular disease                       | 40  | 112.3 (85.3, 150.2) | 0.0007801 (0.0005923, 0.0010432) | 0.16855 (0.13813, 0.20349)  | 115.9 (85.8, 152.6) | 0.0008156 (0.0006039, 0.0010742) | 0.18467 (0.15317, 0.21888) |
| Aceh     | Ischemic heart disease                        | 40  | 107.0 (80.2, 145.1) | 0.0007433 (0.0005567, 0.0010077) | 0.16064 (0.12884, 0.19442)  | 64.2 (44.9, 88.0)   | 0.0004521 (0.0003158, 0.0006194) | 0.10242 (0.07937, 0.12963) |
| Aceh     | Other cardiovascular and circulatory diseases | 40  | 14.4 (7.9, 23.4)    | 0.0001003 (0.0000550, 0.0001628) | 0.02165 (0.01254, 0.03312)  | 18.8 (10.4, 30.8)   | 0.0001323 (0.0000735, 0.0002170) | 0.02995 (0.01756, 0.04614) |
| Aceh     | Diabetes mellitus                             | 40  | 28.1 (19.3, 41.2)   | 0.0001952 (0.0001338, 0.0002859) | 0.04218 (0.03104, 0.05609)  | 47.3 (32.3, 67.1)   | 0.0003326 (0.0002271, 0.0004721) | 0.07528 (0.05672, 0.09949) |
| Aceh     | Chronic kidney disease                        | 40  | 28.5 (19.4, 40.1)   | 0.0001979 (0.0001348, 0.0002782) | 0.04278 (0.03097, 0.05567)  | 28.3 (18.9, 41.3)   | 0.0001989 (0.0001331, 0.0002905) | 0.04499 (0.03240, 0.05956) |
| Aceh     | Cirrhosis                                     | 40  | 36.1 (22.0, 54.5)   | 0.0002506 (0.0001526, 0.0003784) | 0.05408 (0.03516, 0.07408)  | 22.4 (13.5, 33.5)   | 0.0001575 (0.0000952, 0.0002361) | 0.03563 (0.02317, 0.04998) |
| Aceh     | Chronic respiratory diseases                  | 40  | 32.2 (20.9, 46.9)   | 0.0002235 (0.0001450, 0.0003257) | 0.04832 (0.03301, 0.06610)  | 25.5 (16.0, 37.5)   | 0.0001793 (0.0001124, 0.0002638) | 0.04057 (0.02819, 0.05565) |
| Aceh     | Other non-communicable diseases               | 40  | 57.2 (41.2, 80.3)   | 0.0003973 (0.0002862, 0.0005576) | 0.08583 (0.06669, 0.10936)  | 61.3 (42.9, 83.3)   | 0.0004318 (0.0003021, 0.0005864) | 0.09779 (0.07524, 0.12443) |
| Aceh     | Drowning                                      | 40  | 3.4 (1.5, 6.8)      | 0.0000234 (0.0000102, 0.0000469) | 0.00506 (0.00225, 0.00979)  | 1.4 (0.5, 2.8)      | 0.0000097 (0.0000039, 0.0000194) | 0.0022 (0.00088, 0.00433)  |
| Aceh     | Falls                                         | 40  | 6.1 (2.9, 11.0)     | 0.0000422 (0.0000202, 0.0000763) | 0.0091 (0.00450, 0.01594)   | 3.2 (1.4, 5.9)      | 0.0000222 (0.0000101, 0.0000413) | 0.00503 (0.00240, 0.00927) |
| Aceh     | Interpersonal violence                        | 40  | 4.4 (2.3, 7.6)      | 0.0000303 (0.0000158, 0.0000527) | 0.00656 (0.00344, 0.01104)  | 3.1 (1.5, 5.5)      | 0.0000216 (0.0000102, 0.0000389) | 0.00488 (0.00242, 0.00854) |
| Aceh     | Self-harm                                     | 40  | 6.0 (3.3, 10.3)     | 0.0000418 (0.0000231, 0.0000713) | 0.00902 (0.00525, 0.01453)  | 3.5 (1.8, 6.0)      | 0.0000243 (0.0000128, 0.0000420) | 0.00551 (0.00305, 0.00936) |
| Aceh     | Transport injuries                            | 40  | 34.1 (21.4, 51.7)   | 0.0002365 (0.0001484, 0.0003593) | 0.05114 (0.03353, 0.07322)  | 12.6 (7.6, 19.9)    | 0.0000885 (0.0000535, 0.0001402) | 0.02008 (0.01228, 0.03010) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | Other unintentional injuries                  | 40  | 21.9 (13.2, 34.2)    | 0.0001523 (0.0000919, 0.0002374) | 0.03292 (0.02088, 0.04855)  | 9.7 (5.6, 15.5)      | 0.0000684 (0.0000391, 0.0001089) | 0.01548 (0.00955, 0.02366) |
| Aceh     | Diarrheal diseases                            | 45  | 12.1 (6.9, 19.3)     | 0.0001022 (0.0000580, 0.0001623) | 0.01564 (0.00916, 0.02438)  | 20.0 (11.6, 31.3)    | 0.0001618 (0.0000942, 0.0002534) | 0.02393 (0.01478, 0.03544) |
| Aceh     | HIV/AIDS                                      | 45  | 2.7 (0.7, 7.6)       | 0.0000229 (0.0000060, 0.0000640) | 0.00352 (0.00091, 0.00951)  | 3.2 (0.8, 8.8)       | 0.0000263 (0.0000064, 0.0000712) | 0.00389 (0.00099, 0.01065) |
| Aceh     | Lower respiratory infections                  | 45  | 22.6 (12.5, 36.2)    | 0.0001906 (0.0001054, 0.0003050) | 0.02917 (0.01704, 0.04529)  | 24.6 (13.7, 40.1)    | 0.0001989 (0.0001107, 0.0003247) | 0.02943 (0.01718, 0.04585) |
| Aceh     | Malaria                                       | 45  | 2.2 (0.3, 6.7)       | 0.0000184 (0.0000024, 0.0000564) | 0.00281 (0.00037, 0.00866)  | 2.0 (0.2, 6.2)       | 0.0000162 (0.0000020, 0.0000503) | 0.0024 (0.00030, 0.00752)  |
| Aceh     | Tuberculosis                                  | 45  | 72.0 (51.7, 98.8)    | 0.0006061 (0.0004358, 0.0008319) | 0.09265 (0.07172, 0.11454)  | 57.0 (40.1, 77.8)    | 0.0004616 (0.0003246, 0.0006302) | 0.06838 (0.05069, 0.08685) |
| Aceh     | Maternal disorders                            | 45  |                      |                                  |                             | 1.3 (0.5, 2.4)       | 0.0000102 (0.0000044, 0.0000194) | 0.00152 (0.00069, 0.00285) |
| Aceh     | Other communicable diseases                   | 45  | 18.3 (10.5, 28.9)    | 0.0001543 (0.0000887, 0.0002430) | 0.02358 (0.01414, 0.03550)  | 22.3 (12.6, 34.6)    | 0.0001808 (0.0001017, 0.0002805) | 0.02677 (0.01574, 0.04054) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 45  | 13.8 (5.7, 26.2)     | 0.0001163 (0.0000483, 0.0002205) | 0.01775 (0.00752, 0.03281)  | 6.3 (2.6, 13.2)      | 0.000051 (0.0000210, 0.0001066)  | 0.00756 (0.00314, 0.01516) |
| Aceh     | Breast cancer                                 | 45  | 0.6 (0.2, 1.5)       | 0.000005 (0.0000015, 0.0000124)  | 0.00076 (0.00023, 0.00189)  | 45.7 (25.1, 72.2)    | 0.0003698 (0.0002033, 0.0005843) | 0.05486 (0.03106, 0.08384) |
| Aceh     | Cervical cancer                               | 45  |                      |                                  |                             | 31.8 (13.8, 56.8)    | 0.0002572 (0.0001117, 0.0004597) | 0.03797 (0.01689, 0.06499) |
| Aceh     | Other malignant neoplasms                     | 45  | 37.2 (23.4, 55.8)    | 0.0003134 (0.0001967, 0.0004695) | 0.0479 (0.03216, 0.06782)   | 23.6 (12.3, 40.1)    | 0.000191 (0.0001000, 0.0003244)  | 0.02825 (0.01545, 0.04605) |
| Aceh     | Cerebrovascular disease                       | 45  | 155.2 (118.6, 205.5) | 0.001307 (0.0009988, 0.0017303)  | 0.19975 (0.16705, 0.23569)  | 185.1 (142.8, 237.5) | 0.0014992 (0.0011563, 0.0019232) | 0.22182 (0.18799, 0.25834) |
| Aceh     | Ischemic heart disease                        | 45  | 132.4 (99.4, 177.2)  | 0.0011145 (0.0008369, 0.0014919) | 0.17036 (0.13863, 0.20423)  | 91.5 (66.8, 122.9)   | 0.0007411 (0.0005412, 0.0009950) | 0.10972 (0.08541, 0.13600) |
| Aceh     | Other cardiovascular and circulatory diseases | 45  | 18.8 (10.6, 30.3)    | 0.0001582 (0.0000891, 0.0002553) | 0.02417 (0.01404, 0.03733)  | 26.9 (15.3, 44.2)    | 0.000218 (0.0001240, 0.0003582)  | 0.03224 (0.01920, 0.05042) |
| Aceh     | Diabetes mellitus                             | 45  | 46.3 (32.2, 65.5)    | 0.0003898 (0.0002715, 0.0005518) | 0.05959 (0.04389, 0.07826)  | 85.0 (60.7, 117.0)   | 0.000688 (0.0004913, 0.0009472)  | 0.10178 (0.07867, 0.13040) |
| Aceh     | Chronic kidney disease                        | 45  | 31.5 (21.7, 43.6)    | 0.0002656 (0.0001828, 0.0003671) | 0.04062 (0.02992, 0.05418)  | 33.7 (23.3, 48.9)    | 0.000273 (0.0001887, 0.0003956)  | 0.04036 (0.02935, 0.05360) |
| Aceh     | Cirrhosis                                     | 45  | 37.7 (23.4, 56.1)    | 0.0003173 (0.0001971, 0.0004725) | 0.04846 (0.03127, 0.06724)  | 27.5 (16.7, 41.6)    | 0.0002225 (0.0001351, 0.0003367) | 0.03289 (0.02091, 0.04631) |
| Aceh     | Chronic respiratory diseases                  | 45  | 42.1 (28.1, 60.4)    | 0.0003544 (0.0002366, 0.0005086) | 0.0542 (0.03802, 0.07360)   | 36.8 (24.1, 51.9)    | 0.0002981 (0.0001953, 0.0004204) | 0.0441 (0.03053, 0.05942)  |
| Aceh     | Other non-communicable diseases               | 45  | 57.7 (41.1, 81.3)    | 0.0004858 (0.0003465, 0.0006845) | 0.07422 (0.05741, 0.09610)  | 70.3 (50.1, 95.6)    | 0.0005693 (0.0004058, 0.0007739) | 0.08423 (0.06445, 0.10872) |
| Aceh     | Drowning                                      | 45  | 2.2 (1.0, 4.6)       | 0.0000188 (0.0000081, 0.0000386) | 0.00287 (0.00124, 0.00579)  | 1.3 (0.5, 2.8)       | 0.0000108 (0.0000043, 0.0000230) | 0.0016 (0.00067, 0.00317)  |
| Aceh     | Falls                                         | 45  | 6.7 (3.1, 12.5)      | 0.0000564 (0.0000259, 0.0001055) | 0.00862 (0.00436, 0.01590)  | 4.7 (2.2, 9.0)       | 0.0000383 (0.0000182, 0.0000729) | 0.00566 (0.00278, 0.01059) |
| Aceh     | Interpersonal violence                        | 45  | 3.8 (1.9, 6.7)       | 0.0000323 (0.0000157, 0.0000562) | 0.00494 (0.00255, 0.00811)  | 3.0 (1.4, 5.2)       | 0.000024 (0.0000115, 0.0000419)  | 0.00356 (0.00178, 0.00611) |
| Aceh     | Self-harm                                     | 45  | 6.0 (3.3, 10.1)      | 0.0000506 (0.0000277, 0.0000850) | 0.00774 (0.00450, 0.01230)  | 3.7 (2.0, 6.1)       | 0.0000299 (0.0000160, 0.0000496) | 0.00443 (0.00248, 0.00723) |
| Aceh     | Transport injuries                            | 45  | 34.2 (21.3, 50.8)    | 0.0002876 (0.0001795, 0.0004279) | 0.04398 (0.02874, 0.06337)  | 16.1 (9.9, 25.0)     | 0.0001304 (0.0000800, 0.0002023) | 0.01933 (0.01203, 0.02911) |
| Aceh     | Other unintentional injuries                  | 45  | 20.8 (12.0, 32.1)    | 0.0001747 (0.0001014, 0.0002702) | 0.02672 (0.01661, 0.03940)  | 11.1 (6.4, 17.5)     | 0.00009 (0.0000515, 0.0001420)   | 0.01332 (0.00809, 0.02039) |
| Aceh     | Diarrheal diseases                            | 50  | 16.5 (9.6, 25.4)     | 0.0001697 (0.0000987, 0.0002624) | 0.01698 (0.01035, 0.02545)  | 25.2 (15.9, 38.0)    | 0.0002683 (0.0001701, 0.0004057) | 0.02667 (0.01745, 0.03812) |
| Aceh     | HIV/AIDS                                      | 50  | 1.2 (0.3, 3.4)       | 0.0000127 (0.0000031, 0.0000353) | 0.00127 (0.00032, 0.00356)  | 1.3 (0.3, 3.7)       | 0.0000141 (0.0000032, 0.0000397) | 0.00141 (0.00034, 0.00401) |
| Aceh     | Lower respiratory infections                  | 50  | 30.7 (17.5, 48.5)    | 0.0003161 (0.0001804, 0.0005001) | 0.03167 (0.01894, 0.04944)  | 31.5 (18.1, 50.2)    | 0.0003355 (0.0001926, 0.0005358) | 0.03333 (0.01974, 0.05070) |
| Aceh     | Malaria                                       | 50  | 2.3 (0.3, 7.1)       | 0.0000236 (0.0000029, 0.0000733) | 0.00236 (0.00029, 0.00765)  | 1.8 (0.2, 6.0)       | 0.0000193 (0.0000022, 0.0000640) | 0.00191 (0.00021, 0.00637) |
| Aceh     | Tuberculosis                                  | 50  | 83.7 (59.6, 113.7)   | 0.000863 (0.0006142, 0.0011723)  | 0.08635 (0.06554, 0.10768)  | 57.7 (40.3, 79.2)    | 0.000616 (0.0004301, 0.0008452)  | 0.06128 (0.04379, 0.08029) |
| Aceh     | Maternal disorders                            | 50  |                      |                                  |                             | 0.5 (0.2, 1.2)       | 0.0000052 (0.0000017, 0.0000125) | 0.00051 (0.00017, 0.00129) |
| Aceh     | Other communicable diseases                   | 50  | 18.9 (10.6, 29.5)    | 0.0001945 (0.0001092, 0.0003046) | 0.01946 (0.01141, 0.02898)  | 21.9 (12.4, 33.2)    | 0.0002334 (0.0001328, 0.0003541) | 0.02321 (0.01380, 0.03421) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 50  | 14.6 (6.2, 28.4)     | 0.0001506 (0.0000638, 0.0002927) | 0.01504 (0.00661, 0.02826)  | 6.4 (2.6, 13.3)      | 0.0000688 (0.0000328, 0.0001420) | 0.00684 (0.00276, 0.01368) |
| Aceh     | Breast cancer                                 | 50  | 0.7 (0.2, 1.6)       | 0.0000071 (0.0000024, 0.0000168) | 0.00071 (0.00025, 0.00166)  | 36.9 (19.4, 59.0)    | 0.0003938 (0.0002070, 0.0006296) | 0.03924 (0.02166, 0.06293) |
| Aceh     | Cervical cancer                               | 50  |                      |                                  |                             | 28.6 (11.9, 52.6)    | 0.0003051 (0.0001273, 0.0005614) | 0.03027 (0.01320, 0.05371) |
| Aceh     | Other malignant neoplasms                     | 50  | 36.8 (22.6, 55.8)    | 0.0003793 (0.0002329, 0.0005755) | 0.03795 (0.02439, 0.05431)  | 22.5 (11.3, 38.0)    | 0.00024 (0.0001209, 0.0004056)   | 0.02384 (0.01269, 0.04017) |
| Aceh     | Cerebrovascular disease                       | 50  | 223.8 (168.1, 292.6) | 0.0023077 (0.0017340, 0.0030169) | 0.23077 (0.19681, 0.26789)  | 241.7 (188.4, 302.7) | 0.0025778 (0.0020099, 0.0032287) | 0.25622 (0.22029, 0.29511) |
| Aceh     | Ischemic heart disease                        | 50  | 171.2 (127.0, 224.4) | 0.0017653 (0.0013095, 0.0023143) | 0.17664 (0.14503, 0.21088)  | 106.5 (78.5, 141.0)  | 0.0011364 (0.0008369, 0.0015043) | 0.11301 (0.08901, 0.14010) |
| Aceh     | Other cardiovascular and circulatory diseases | 50  | 27.2 (15.4, 43.6)    | 0.0002806 (0.0001592, 0.0004493) | 0.02806 (0.01656, 0.04224)  | 34.4 (19.8, 55.1)    | 0.0003667 (0.0002116, 0.0005873) | 0.03643 (0.02192, 0.05565) |
| Aceh     | Diabetes mellitus                             | 50  | 67.9 (46.6, 96.9)    | 0.0007007 (0.0004809, 0.0009994) | 0.07011 (0.05268, 0.09087)  | 110.0 (79.1, 150.5)  | 0.0011733 (0.0008434, 0.0016059) | 0.11659 (0.08952, 0.14718) |
| Aceh     | Chronic kidney disease                        | 50  | 36.6 (24.8, 50.8)    | 0.0003774 (0.0002554, 0.0005242) | 0.03777 (0.02790, 0.04947)  | 34.2 (23.5, 48.5)    | 0.0003645 (0.0002507, 0.0005171) | 0.0362 (0.02622, 0.04720)  |
| Aceh     | Cirrhosis                                     | 50  | 43.1 (26.6, 65.3)    | 0.0004447 (0.0002740, 0.0006732) | 0.04446 (0.02888, 0.06267)  | 29.0 (17.6, 43.4)    | 0.0003098 (0.0001873, 0.0004633) | 0.03077 (0.01979, 0.04343) |
| Aceh     | Chronic respiratory diseases                  | 50  | 62.4 (42.9, 88.6)    | 0.0006437 (0.0004429, 0.0009140) | 0.06441 (0.04619, 0.08609)  | 46.9 (31.5, 65.5)    | 0.0005005 (0.0003355, 0.0006991) | 0.04973 (0.03515, 0.06553) |
| Aceh     | Other non-communicable diseases               | 50  | 66.5 (47.1, 91.3)    | 0.0006862 (0.0004856, 0.0009417) | 0.06862 (0.05350, 0.08824)  | 72.9 (53.4, 98.3)    | 0.0007776 (0.0005693, 0.0010490) | 0.0773 (0.05998, 0.09973)  |
| Aceh     | Drowning                                      | 50  | 1.7 (0.7, 3.5)       | 0.0000174 (0.0000068, 0.0000359) | 0.00174 (0.00071, 0.00355)  | 1.0 (0.4, 2.2)       | 0.0000111 (0.0000042, 0.0000231) | 0.0011 (0.00044, 0.00221)  |
| Aceh     | Falls                                         | 50  | 8.0 (3.8, 14.5)      | 0.0000825 (0.0000392, 0.0001490) | 0.00824 (0.00420, 0.01462)  | 5.5 (2.8, 10.1)      | 0.0000591 (0.0000301, 0.0001074) | 0.00587 (0.00303, 0.01066) |
| Aceh     | Interpersonal violence                        | 50  | 3.3 (1.6, 5.8)       | 0.0000335 (0.0000162, 0.0000598) | 0.00335 (0.00167, 0.00567)  | 2.2 (1.0, 3.8)       | 0.0000231 (0.0000110, 0.0000404) | 0.0023 (0.00118, 0.00403)  |
| Aceh     | Self-harm                                     | 50  | 5.7 (3.0, 9.7)       | 0.0000587 (0.0000311, 0.0001001) | 0.00587 (0.00333, 0.00943)  | 2.9 (1.6, 4.8)       | 0.0000314 (0.0000170, 0.0000515) | 0.00313 (0.00169, 0.00508) |
| Aceh     | Transport injuries                            | 50  | 28.5 (17.1, 43.1)    | 0.0002937 (0.0001768, 0.0004442) | 0.02937 (0.01897, 0.04316)  | 12.6 (7.6, 19.8)     | 0.0001347 (0.0000811, 0.0002114) | 0.01341 (0.00828, 0.02026) |
| Aceh     | Other unintentional injuries                  | 50  | 18.2 (10.7, 28.9)    | 0.000188 (0.0001101, 0.0002977)  | 0.0188 (0.01181, 0.02892)   | 8.9 (5.1, 13.9)      | 0.0000948 (0.0000544, 0.0001485) | 0.00943 (0.00560, 0.01472) |
| Aceh     | Diarrheal diseases                            | 55  | 19.1 (11.1, 29.8)    | 0.0002643 (0.0001535, 0.0004127) | 0.01801 (0.01117, 0.02704)  | 27.3 (17.4, 41.2)    | 0.0004108 (0.0002614, 0.0006212) | 0.0275 (0.01821, 0.03892)  |
| Aceh     | HIV/AIDS                                      | 55  | 0.5 (0.1, 1.6)       | 0.0000074 (0.0000017, 0.0000218) | 0.00051 (0.00012, 0.00145)  | 0.5 (0.1, 1.6)       | 0.0000082 (0.0000019, 0.0000239) | 0.00055 (0.00012, 0.00161) |
| Aceh     | Lower respiratory infections                  | 55  | 33.3 (19.5, 53.2)    | 0.0004621 (0.0002699, 0.0007370) | 0.03151 (0.01894, 0.04822)  | 32.7 (18.9, 50.7)    | 0.000493 (0.0002850, 0.0007630)  | 0.033 (0.01987, 0.04908)   |
| Aceh     | Malaria                                       | 55  | 2.4 (0.3, 7.0)       | 0.0000326 (0.0000042, 0.0000969) | 0.00222 (0.000038, 0.00717) | 1.7 (0.2, 5.4)       | 0.0000256 (0.0000030, 0.0000809) | 0.00171 (0.00020, 0.00532) |
| Aceh     | Tuberculosis                                  | 55  | 76.6 (52.9, 105.2)   | 0.0010613 (0.0007330, 0.0014586) | 0.07231 (0.05369, 0.09184)  | 49.3 (33.7, 67.6)    | 0.0007426 (0.0005073, 0.0010183) | 0.04976 (0.03470, 0.06614) |
| Aceh     | Other communicable diseases                   | 55  | 19.3 (10.5, 30.5)    | 0.0002669 (0.0001456, 0.0004230) | 0.01818 (0.01066, 0.02768)  | 21.1 (12.1, 33.1)    | 0.0003172 (0.0001824, 0.0004980) | 0.02125 (0.01246, 0.03193) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 55  | 18.9 (8.2, 36.0)     | 0.0002626 (0.0001130, 0.0004989) | 0.01786 (0.00775, 0.03282)  | 5.3 (2.1, 10.7)      | 0.0000793 (0.0000314, 0.0001606) | 0.00531 (0.00218, 0.01081) |
| Aceh     | Breast cancer                                 | 55  | 0.6 (0.2, 1.4)       | 0.0000083 (0.0000030, 0.0000190) | 0.00057 (0.00020, 0.00129)  | 29.0 (15.4, 47.8)    | 0.0004376 (0.0002313, 0.0007200) | 0.02935 (0.01617, 0.04696) |
| Aceh     | Cervical cancer                               | 55  |                      |                                  |                             | 20.9 (8.6, 38.6)     | 0.0003142 (0.0001300, 0.0005809) | 0.02101 (0.00894, 0.03767) |
| Aceh     | Other malignant neoplasms                     | 55  | 29.9 (18.2, 45.6)    | 0.0004146 (0.0002517, 0.0006328) | 0.02825 (0.01849, 0.04073)  | 20.8 (11.0, 34.9)    | 0.0003134 (0.0001650, 0.0005259) | 0.02097 (0.01149, 0.03444) |
| Aceh     | Cerebrovascular disease                       | 55  | 273.3 (204.9, 353.1) | 0.0037884 (0.0028406, 0.0048946) | 0.25796 (0.21872, 0.29611)  | 286.1 (227.8, 356.8) | 0.0043101 (0.0034311, 0.0053748) | 0.28857 (0.25040, 0.32706) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                   |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|-----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                     | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh     | Ischemic heart disease                        | 55  | 201.5 (148.3, 263.7) | 0.0027934 (0.00020562, 0.0036558) | 0.19031 (0.15697, 0.22611)  | 121.7 (90.8, 160.2)  | 0.001834 (0.0013671, 0.0024140)  | 0.12285 (0.09708, 0.15091) |
| Aceh     | Other cardiovascular and circulatory diseases | 55  | 32.4 (18.3, 52.1)    | 0.0004495 (0.0002536, 0.0007220)  | 0.0306 (0.01841, 0.04621)   | 39.6 (23.2, 63.6)    | 0.0005973 (0.0003496, 0.0009575) | 0.03998 (0.02448, 0.06095) |
| Aceh     | Diabetes mellitus                             | 55  | 76.5 (51.8, 107.2)   | 0.0010603 (0.0007186, 0.0014863)  | 0.07223 (0.05396, 0.09242)  | 119.5 (86.2, 162.3)  | 0.0018004 (0.0012993, 0.0024445) | 0.12052 (0.09234, 0.14921) |
| Aceh     | Chronic kidney disease                        | 55  | 37.3 (25.3, 51.1)    | 0.0005176 (0.0003506, 0.0007083)  | 0.03527 (0.02591, 0.04567)  | 33.5 (23.0, 47.7)    | 0.000505 (0.0003467, 0.0007181)  | 0.03379 (0.02438, 0.04435) |
| Aceh     | Cirrhosis                                     | 55  | 41.5 (25.7, 62.9)    | 0.0005758 (0.0003560, 0.0008715)  | 0.0392 (0.02538, 0.05530)   | 27.3 (16.5, 41.2)    | 0.0004112 (0.0002478, 0.0006202) | 0.02751 (0.01780, 0.03917) |
| Aceh     | Chronic respiratory diseases                  | 55  | 69.3 (47.3, 96.1)    | 0.0009607 (0.0006562, 0.0013315)  | 0.06547 (0.04744, 0.08655)  | 51.1 (35.0, 71.0)    | 0.0007694 (0.0005266, 0.0010696) | 0.05151 (0.03757, 0.06783) |
| Aceh     | Other non-communicable diseases               | 55  | 72.8 (51.6, 101.1)   | 0.0010093 (0.0007154, 0.0014014)  | 0.06873 (0.05388, 0.08820)  | 77.5 (56.7, 105.2)   | 0.0011678 (0.0008541, 0.0015848) | 0.07818 (0.06081, 0.09953) |
| Aceh     | Drowning                                      | 55  | 1.3 (0.5, 2.9)       | 0.0000185 (0.0000070, 0.0000404)  | 0.00126 (0.000049, 0.00268) | 0.8 (0.3, 1.7)       | 0.0000121 (0.0000046, 0.0000258) | 0.00081 (0.00031, 0.00171) |
| Aceh     | Falls                                         | 55  | 9.2 (4.2, 17.1)      | 0.0001271 (0.0000580, 0.0002365)  | 0.00865 (0.00436, 0.01538)  | 6.1 (3.1, 10.7)      | 0.0000917 (0.0000462, 0.0001606) | 0.00615 (0.00314, 0.01099) |
| Aceh     | Interpersonal violence                        | 55  | 2.6 (1.2, 4.6)       | 0.000036 (0.0000169, 0.0000631)   | 0.00245 (0.00119, 0.00419)  | 1.6 (0.8, 2.8)       | 0.000024 (0.0000116, 0.0000423)  | 0.00161 (0.00080, 0.00284) |
| Aceh     | Self-harm                                     | 55  | 5.2 (2.8, 8.6)       | 0.0000716 (0.0000383, 0.0001190)  | 0.00488 (0.00276, 0.00784)  | 2.5 (1.3, 4.1)       | 0.000037 (0.0000194, 0.0000623)  | 0.00248 (0.00137, 0.00403) |
| Aceh     | Transport injuries                            | 55  | 20.1 (11.8, 32.2)    | 0.000278 (0.0001641, 0.0004466)   | 0.01894 (0.01161, 0.02832)  | 8.4 (4.8, 13.5)      | 0.0001266 (0.0000728, 0.0002039) | 0.00849 (0.00500, 0.01334) |
| Aceh     | Other unintentional injuries                  | 55  | 15.5 (9.0, 24.6)     | 0.0002148 (0.0001251, 0.0003414)  | 0.01463 (0.00870, 0.02218)  | 7.1 (4.0, 11.2)      | 0.0001067 (0.0000601, 0.0001689) | 0.00715 (0.00423, 0.01109) |
| Aceh     | Diarrheal diseases                            | 60  | 21.0 (12.5, 31.7)    | 0.0004607 (0.0002739, 0.0006953)  | 0.01886 (0.01195, 0.02768)  | 34.6 (22.2, 50.8)    | 0.0006563 (0.0004215, 0.0009629) | 0.02923 (0.01986, 0.04135) |
| Aceh     | HIV/AIDS                                      | 60  | 0.4 (0.1, 1.1)       | 0.0000079 (0.0000016, 0.0000238)  | 0.00032 (0.00007, 0.00098)  | 0.4 (0.1, 1.2)       | 0.0000079 (0.0000016, 0.0000229) | 0.00035 (0.00007, 0.00105) |
| Aceh     | Lower respiratory infections                  | 60  | 44.5 (26.2, 67.1)    | 0.0009743 (0.0005736, 0.0014702)  | 0.03991 (0.02494, 0.05849)  | 52.5 (32.4, 76.2)    | 0.0009957 (0.0006138, 0.0014452) | 0.04433 (0.02875, 0.06329) |
| Aceh     | Malaria                                       | 60  | 2.3 (0.3, 7.0)       | 0.0000514 (0.0000062, 0.0001532)  | 0.0021 (0.00025, 0.00648)   | 1.8 (0.2, 6.0)       | 0.0000341 (0.0000041, 0.0001134) | 0.00152 (0.00018, 0.00487) |
| Aceh     | Tuberculosis                                  | 60  | 85.7 (58.7, 115.4)   | 0.0018778 (0.0012860, 0.0025274)  | 0.07686 (0.05635, 0.09818)  | 61.4 (41.9, 84.5)    | 0.0011646 (0.0007943, 0.0016025) | 0.05192 (0.03612, 0.06848) |
| Aceh     | Other communicable diseases                   | 60  | 15.4 (7.9, 24.8)     | 0.000338 (0.0001727, 0.0005436)   | 0.01384 (0.00745, 0.02178)  | 19.9 (10.8, 31.8)    | 0.0003776 (0.0002052, 0.0006021) | 0.01683 (0.00916, 0.02647) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 60  | 16.9 (7.0, 32.6)     | 0.0003704 (0.0001529, 0.0007141)  | 0.01514 (0.00660, 0.02772)  | 5.2 (2.0, 10.4)      | 0.0000981 (0.0000388, 0.0001966) | 0.00437 (0.00176, 0.00867) |
| Aceh     | Breast cancer                                 | 60  | 0.5 (0.2, 1.2)       | 0.0000115 (0.0000041, 0.0000263)  | 0.00047 (0.00016, 0.00108)  | 23.1 (11.9, 39.1)    | 0.0004375 (0.0002263, 0.0007407) | 0.01953 (0.01000, 0.03300) |
| Aceh     | Cervical cancer                               | 60  |                      |                                   |                             | 19.2 (8.0, 35.6)     | 0.0003649 (0.0001512, 0.0006743) | 0.01624 (0.00698, 0.02905) |
| Aceh     | Other malignant neoplasms                     | 60  | 27.8 (17.1, 42.3)    | 0.0006092 (0.0003743, 0.0009260)  | 0.02494 (0.01623, 0.03643)  | 23.9 (12.4, 38.9)    | 0.0004537 (0.0002360, 0.0007374) | 0.0202 (0.01085, 0.03300)  |
| Aceh     | Cerebrovascular disease                       | 60  | 301.5 (223.3, 374.2) | 0.0066024 (0.0048903, 0.0081954)  | 0.27014 (0.23330, 0.30801)  | 364.5 (296.1, 445.5) | 0.0069107 (0.0056145, 0.0084453) | 0.30782 (0.27077, 0.34647) |
| Aceh     | Ischemic heart disease                        | 60  | 198.4 (142.8, 255.5) | 0.004345 (0.0031273, 0.0055961)   | 0.17781 (0.14599, 0.21121)  | 142.2 (106.2, 182.7) | 0.0026966 (0.0020140, 0.0034646) | 0.12015 (0.09502, 0.14698) |
| Aceh     | Other cardiovascular and circulatory diseases | 60  | 36.3 (20.4, 57.5)    | 0.0007943 (0.0004465, 0.0012599)  | 0.03249 (0.01940, 0.04894)  | 48.5 (28.1, 76.3)    | 0.0009194 (0.0005324, 0.0014466) | 0.04094 (0.02470, 0.06237) |
| Aceh     | Diabetes mellitus                             | 60  | 68.7 (47.4, 95.3)    | 0.0015044 (0.0010371, 0.0020876)  | 0.06158 (0.04596, 0.07986)  | 122.2 (89.6, 163.6)  | 0.0023166 (0.0016994, 0.0031024) | 0.10317 (0.07841, 0.13022) |
| Aceh     | Chronic kidney disease                        | 60  | 34.4 (23.2, 47.1)    | 0.0007538 (0.0005087, 0.0010314)  | 0.03086 (0.02288, 0.03987)  | 34.2 (23.6, 48.2)    | 0.0006485 (0.0004470, 0.0009137) | 0.02887 (0.02072, 0.03784) |
| Aceh     | Cirrhosis                                     | 60  | 36.4 (22.5, 54.2)    | 0.0007962 (0.0004918, 0.0011874)  | 0.03257 (0.02104, 0.04534)  | 28.1 (17.3, 41.7)    | 0.0005335 (0.0003274, 0.0007907) | 0.02375 (0.01526, 0.03374) |
| Aceh     | Chronic respiratory diseases                  | 60  | 97.8 (67.6, 131.5)   | 0.0021429 (0.0014807, 0.0028801)  | 0.08773 (0.06633, 0.11291)  | 76.3 (53.4, 103.8)   | 0.0014458 (0.0010133, 0.0019687) | 0.06439 (0.04815, 0.08288) |
| Aceh     | Other non-communicable diseases               | 60  | 82.8 (58.2, 113.4)   | 0.0018131 (0.0012747, 0.0024840)  | 0.07416 (0.05790, 0.09550)  | 99.5 (73.1, 133.8)   | 0.0018863 (0.0013852, 0.0025372) | 0.08401 (0.06542, 0.10703) |
| Aceh     | Drowning                                      | 60  | 1.1 (0.4, 2.2)       | 0.0000231 (0.0000080, 0.0000490)  | 0.00095 (0.00034, 0.00201)  | 0.9 (0.3, 1.9)       | 0.0000162 (0.0000053, 0.0000364) | 0.00072 (0.00022, 0.00159) |
| Aceh     | Falls                                         | 60  | 8.0 (3.8, 14.7)      | 0.0001758 (0.0000833, 0.0003222)  | 0.00718 (0.00370, 0.01246)  | 6.8 (3.5, 11.7)      | 0.000128 (0.0000661, 0.0002214)  | 0.0057 (0.00299, 0.00991)  |
| Aceh     | Interpersonal violence                        | 60  | 1.8 (0.8, 3.4)       | 0.0000392 (0.0000180, 0.0000753)  | 0.0016 (0.00078, 0.00290)   | 1.2 (0.6, 2.3)       | 0.0000228 (0.0000106, 0.0000437) | 0.00102 (0.00048, 0.00189) |
| Aceh     | Self-harm                                     | 60  | 4.0 (2.2, 7.0)       | 0.000088 (0.0000471, 0.0001524)   | 0.0036 (0.00208, 0.00608)   | 2.0 (1.1, 3.6)       | 0.0000387 (0.0000202, 0.0000675) | 0.00172 (0.00091, 0.00292) |
| Aceh     | Transport injuries                            | 60  | 17.2 (10.0, 26.6)    | 0.0003775 (0.0002181, 0.0005828)  | 0.01544 (0.00944, 0.02330)  | 8.8 (5.1, 14.0)      | 0.0001668 (0.0000973, 0.0002645) | 0.00744 (0.00432, 0.01149) |
| Aceh     | Other unintentional injuries                  | 60  | 12.8 (7.2, 20.7)     | 0.0002803 (0.0001580, 0.0004540)  | 0.01146 (0.00682, 0.01766)  | 6.8 (3.8, 10.9)      | 0.0001297 (0.0000721, 0.0002070) | 0.00578 (0.00335, 0.00934) |
| Aceh     | Diarrheal diseases                            | 65  | 34.0 (20.7, 50.3)    | 0.0010067 (0.0006135, 0.0014885)  | 0.02879 (0.01926, 0.04067)  | 55.2 (38.1, 79.1)    | 0.0014108 (0.0009734, 0.0020241) | 0.04226 (0.02998, 0.05746) |
| Aceh     | HIV/AIDS                                      | 65  | 0.4 (0.1, 1.0)       | 0.0000104 (0.0000022, 0.0000302)  | 0.0003 (0.00007, 0.00085)   | 0.4 (0.1, 1.2)       | 0.0000104 (0.0000022, 0.0000296) | 0.00031 (0.00007, 0.00090) |
| Aceh     | Lower respiratory infections                  | 65  | 53.9 (31.4, 79.9)    | 0.0015946 (0.0009288, 0.0023665)  | 0.04566 (0.02892, 0.06591)  | 64.1 (40.4, 91.5)    | 0.0016397 (0.0010335, 0.0023410) | 0.04909 (0.03232, 0.06880) |
| Aceh     | Malaria                                       | 65  | 2.3 (0.3, 7.0)       | 0.0000682 (0.0000086, 0.0002086)  | 0.00195 (0.00023, 0.00632)  | 1.7 (0.2, 5.6)       | 0.0000441 (0.0000051, 0.0001428) | 0.00132 (0.00015, 0.00425) |
| Aceh     | Tuberculosis                                  | 65  | 90.8 (62.0, 124.4)   | 0.0026885 (0.0018353, 0.0036821)  | 0.07689 (0.05721, 0.09807)  | 65.0 (44.8, 88.3)    | 0.0016621 (0.0011451, 0.0022582) | 0.04983 (0.03525, 0.06694) |
| Aceh     | Other communicable diseases                   | 65  | 14.8 (7.4, 24.9)     | 0.0004396 (0.0002195, 0.0007370)  | 0.01258 (0.00659, 0.01999)  | 19.0 (9.9, 30.6)     | 0.0004867 (0.0002541, 0.0007833) | 0.01459 (0.00794, 0.02296) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 65  | 15.2 (6.4, 29.5)     | 0.0004493 (0.0001900, 0.0008739)  | 0.01284 (0.00554, 0.02389)  | 4.2 (1.7, 8.3)       | 0.0001068 (0.0000429, 0.0002126) | 0.0032 (0.00128, 0.00650)  |
| Aceh     | Breast cancer                                 | 65  | 0.4 (0.1, 1.0)       | 0.0000122 (0.0000039, 0.0000300)  | 0.00035 (0.00011, 0.00084)  | 17.8 (8.9, 30.8)     | 0.0000454 (0.0000278, 0.0007885) | 0.01364 (0.00683, 0.02289) |
| Aceh     | Cervical cancer                               | 65  |                      |                                   |                             | 13.9 (5.6, 27.3)     | 0.0003563 (0.0001439, 0.0006988) | 0.01066 (0.00442, 0.02043) |
| Aceh     | Other malignant neoplasms                     | 65  | 22.2 (13.4, 34.1)    | 0.0006582 (0.0003971, 0.0010104)  | 0.01884 (0.01227, 0.02817)  | 25.3 (13.8, 41.3)    | 0.0006463 (0.0003519, 0.0010555) | 0.01934 (0.01075, 0.03120) |
| Aceh     | Cerebrovascular disease                       | 65  | 330.3 (239.3, 420.7) | 0.0097804 (0.0070862, 0.0124553)  | 0.27965 (0.24192, 0.31881)  | 419.3 (344.1, 511.5) | 0.0107232 (0.0088010, 0.0130830) | 0.3211 (0.28381, 0.36041)  |
| Aceh     | Ischemic heart disease                        | 65  | 203.2 (144.1, 263.6) | 0.0060174 (0.0042652, 0.0078057)  | 0.17214 (0.13961, 0.20578)  | 152.0 (113.8, 194.9) | 0.0038877 (0.0029095, 0.0049853) | 0.11645 (0.09081, 0.14308) |
| Aceh     | Other cardiovascular and circulatory diseases | 65  | 41.8 (23.1, 67.0)    | 0.0012379 (0.0006825, 0.0019839)  | 0.03538 (0.02099, 0.05303)  | 58.8 (35.0, 92.8)    | 0.001504 (0.0008952, 0.0023741)  | 0.04503 (0.02705, 0.06768) |
| Aceh     | Diabetes mellitus                             | 65  | 57.5 (38.5, 80.2)    | 0.0017024 (0.0011391, 0.0023731)  | 0.0487 (0.03572, 0.06322)   | 109.2 (78.7, 147.0)  | 0.0027924 (0.0020132, 0.0037586) | 0.0836 (0.06258, 0.10659)  |
| Aceh     | Chronic kidney disease                        | 65  | 33.4 (22.3, 46.2)    | 0.0009894 (0.0006615, 0.0013681)  | 0.02831 (0.02088, 0.03725)  | 35.0 (24.3, 49.1)    | 0.0008962 (0.0006216, 0.0012561) | 0.02682 (0.01944, 0.03551) |
| Aceh     | Cirrhosis                                     | 65  | 30.1 (18.2, 45.6)    | 0.0008918 (0.0005378, 0.0013515)  | 0.0255 (0.01619, 0.03568)   | 24.7 (14.9, 36.4)    | 0.0006324 (0.0003820, 0.0009319) | 0.01893 (0.01203, 0.02687) |
| Aceh     | Chronic respiratory diseases                  | 65  | 111.2 (78.4, 149.1)  | 0.0032937 (0.0023206, 0.0044145)  | 0.09426 (0.07209, 0.11896)  | 91.2 (65.6, 122.7)   | 0.0023331 (0.0016788, 0.0031384) | 0.06987 (0.05200, 0.08798) |
| Aceh     | Other non-communicable diseases               | 65  | 97.4 (67.7, 132.9)   | 0.0028832 (0.0020041, 0.0039342)  | 0.08243 (0.06495, 0.10551)  | 123.0 (92.3, 164.5)  | 0.0031464 (0.0023600, 0.0042072) | 0.09422 (0.07455, 0.11862) |
| Aceh     | Drowning                                      | 65  | 0.9 (0.3, 2.0)       | 0.0000274 (0.0000095, 0.0000598)  | 0.00078 (0.00028, 0.00171)  | 0.8 (0.3, 1.8)       | 0.0000197 (0.0000067, 0.0000462) | 0.00059 (0.00020, 0.00137) |
| Aceh     | Falls                                         | 65  | 8.9 (4.1, 16.4)      | 0.0002634 (0.0001217, 0.0004849)  | 0.00752 (0.00374, 0.01303)  | 7.7 (4.0, 13.2)      | 0.0001974 (0.0001024, 0.0003371) | 0.00591 (0.00313, 0.01016) |
| Aceh     | Interpersonal violence                        | 65  | 1.4 (0.6, 2.8)       | 0.0000417 (0.0000180, 0.0000826)  | 0.00119 (0.00054, 0.00233)  | 1.0 (0.4, 1.9)       | 0.0000246 (0.0000107, 0.0000485) | 0.00074 (0.00032, 0.00142) |
| Aceh     | Self-harm                                     | 65  | 3.6 (1.9, 6.4)       | 0.0001062 (0.0000551, 0.0001885)  | 0.00304 (0.00169, 0.00522)  | 1.8 (0.9, 3.2)       | 0.0000472 (0.0000240, 0.0000810) | 0.00141 (0.00073, 0.00240) |
| Aceh     | Transport injuries                            | 65  | 15.0 (8.6, 23.8)     | 0.0004439 (0.0002532, 0.0007047)  | 0.0127 (0.00764, 0.01972)   | 7.9 (4.5, 12.9)      | 0.000201 (0.0001157, 0.0003288)  | 0.00603 (0.00349, 0.00976) |
| Aceh     | Other unintentional injuries                  | 65  | 12.0 (6.7, 19.4)     | 0.0003567 (0.0001990, 0.0005758)  | 0.01019 (0.00618, 0.01584)  | 6.6 (3.6, 10.6)      | 0.0001683 (0.0000926, 0.0002719) | 0.00504 (0.00284, 0.00809) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
|          |                                               |     |                      |                                  |                            |                      |                                  |                            |
| Aceh     | Diarrheal diseases                            | 70  | 47.8 (29.9, 70.7)    | 0.00208 (0.0013004, 0.0030749)   | 0.03771 (0.02613, 0.05194) | 87.6 (61.3, 121.5)   | 0.002815 (0.0019691, 0.0039031)  | 0.05329 (0.03854, 0.07020) |
| Aceh     | HIV/AIDS                                      | 70  | 0.5 (0.1, 1.4)       | 0.0000209 (0.0000047, 0.0000618) | 0.00038 (0.00008, 0.00113) | 0.6 (0.1, 1.9)       | 0.00002 (0.0000042, 0.0000622)   | 0.00038 (0.00008, 0.00120) |
| Aceh     | Lower respiratory infections                  | 70  | 69.1 (40.9, 102.0)   | 0.0030041 (0.0017792, 0.0044370) | 0.05447 (0.03554, 0.07775) | 97.3 (62.9, 139.3)   | 0.0031236 (0.0020217, 0.0044733) | 0.0591 (0.03986, 0.08108)  |
| Aceh     | Malaria                                       | 70  | 2.2 (0.3, 7.3)       | 0.0000967 (0.0000123, 0.0003156) | 0.00175 (0.00021, 0.00565) | 1.8 (0.2, 5.9)       | 0.0000569 (0.0000068, 0.0001906) | 0.00108 (0.00013, 0.00345) |
| Aceh     | Tuberculosis                                  | 70  | 97.4 (65.7, 134.1)   | 0.0042354 (0.0028558, 0.0058292) | 0.07672 (0.05672, 0.09774) | 78.6 (53.5, 107.8)   | 0.0025238 (0.0017196, 0.0034638) | 0.04782 (0.03295, 0.06446) |
| Aceh     | Other communicable diseases                   | 70  | 15.5 (7.7, 26.0)     | 0.0006721 (0.0003363, 0.0011323) | 0.01218 (0.00650, 0.01980) | 22.8 (12.4, 37.0)    | 0.0007315 (0.0003983, 0.0011875) | 0.01386 (0.00757, 0.02248) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 70  | 13.5 (5.5, 26.4)     | 0.0005885 (0.0002405, 0.0011487) | 0.01065 (0.00453, 0.02045) | 4.2 (1.6, 8.4)       | 0.0001337 (0.0000513, 0.0002704) | 0.00253 (0.00099, 0.00503) |
| Aceh     | Breast cancer                                 | 70  | 0.3 (0.1, 0.8)       | 0.0000135 (0.0000038, 0.0000356) | 0.00025 (0.00007, 0.00065) | 13.6 (6.6, 24.8)     | 0.0004371 (0.0002106, 0.0007968) | 0.00829 (0.00397, 0.01472) |
| Aceh     | Cervical cancer                               | 70  |                      |                                  |                            | 10.0 (3.7, 19.9)     | 0.0003206 (0.0001201, 0.0006387) | 0.00606 (0.00234, 0.01176) |
| Aceh     | Other malignant neoplasms                     | 70  | 18.1 (10.6, 28.1)    | 0.0007849 (0.0004591, 0.0012198) | 0.01423 (0.00910, 0.02122) | 25.7 (14.2, 42.4)    | 0.0008264 (0.0004562, 0.0013626) | 0.01564 (0.00887, 0.02525) |
| Aceh     | Cerebrovascular disease                       | 70  | 351.8 (253.2, 442.8) | 0.0152943 (0.0110085, 0.0192536) | 0.277 (0.23955, 0.31608)   | 536.7 (443.7, 645.3) | 0.0172379 (0.0142521, 0.0207267) | 0.32624 (0.28808, 0.36488) |
| Aceh     | Ischemic heart disease                        | 70  | 206.1 (143.2, 271.1) | 0.008963 (0.0062275, 0.0117873)  | 0.16239 (0.13163, 0.19532) | 191.3 (144.1, 243.7) | 0.0061447 (0.0046298, 0.0078287) | 0.11633 (0.09147, 0.14316) |
| Aceh     | Other cardiovascular and circulatory diseases | 70  | 48.6 (26.9, 76.8)    | 0.002111 (0.0011710, 0.0033371)  | 0.03822 (0.02312, 0.05727) | 78.5 (47.3, 124.0)   | 0.0025221 (0.0015177, 0.0039815) | 0.04772 (0.02950, 0.07207) |
| Aceh     | Diabetes mellitus                             | 70  | 45.1 (29.7, 63.4)    | 0.0019599 (0.0012910, 0.0027554) | 0.03552 (0.02603, 0.04685) | 102.1 (74.0, 137.7)  | 0.0032786 (0.0023753, 0.0044239) | 0.06205 (0.04622, 0.08057) |
| Aceh     | Chronic kidney disease                        | 70  | 31.0 (20.3, 42.8)    | 0.0013483 (0.0008823, 0.0018592) | 0.02444 (0.01795, 0.03198) | 37.9 (26.5, 52.8)    | 0.0012169 (0.0008525, 0.0016952) | 0.02302 (0.01664, 0.03042) |
| Aceh     | Cirrhosis                                     | 70  | 26.1 (15.8, 39.1)    | 0.0011359 (0.0006876, 0.0017008) | 0.02058 (0.01320, 0.02932) | 26.0 (15.8, 37.9)    | 0.0008363 (0.0005069, 0.0012188) | 0.01583 (0.01003, 0.02294) |
| Aceh     | Chronic respiratory diseases                  | 70  | 142.5 (99.8, 188.9)  | 0.0061961 (0.0043408, 0.0082137) | 0.11229 (0.08830, 0.13881) | 131.3 (96.3, 174.5)  | 0.004217 (0.0030931, 0.0056046)  | 0.07981 (0.06057, 0.10094) |
| Aceh     | Other non-communicable diseases               | 70  | 112.7 (79.4, 153.4)  | 0.0049017 (0.0034537, 0.0066698) | 0.08876 (0.07029, 0.11237) | 168.0 (128.9, 221.6) | 0.0053944 (0.0041390, 0.0071181) | 0.1021 (0.08170, 0.12802)  |
| Aceh     | Drowning                                      | 70  | 1.5 (0.6, 3.1)       | 0.0000634 (0.0000264, 0.0001351) | 0.00115 (0.00048, 0.00233) | 1.5 (0.6, 3.1)       | 0.0000497 (0.0000199, 0.0000987) | 0.00094 (0.00038, 0.00184) |
| Aceh     | Falls                                         | 70  | 9.5 (4.6, 16.8)      | 0.0004141 (0.0002003, 0.0007290) | 0.00749 (0.00387, 0.01280) | 10.3 (5.5, 17.1)     | 0.0003293 (0.0001763, 0.0005508) | 0.00623 (0.00332, 0.01025) |
| Aceh     | Interpersonal violence                        | 70  | 1.1 (0.4, 2.3)       | 0.0000463 (0.0000175, 0.0000980) | 0.00084 (0.00033, 0.00172) | 0.8 (0.3, 1.8)       | 0.0000263 (0.0000103, 0.0000566) | 0.0005 (0.00020, 0.00106)  |
| Aceh     | Self-harm                                     | 70  | 3.2 (1.6, 5.8)       | 0.0001411 (0.0000713, 0.0002539) | 0.00256 (0.00137, 0.00447) | 1.9 (0.9, 3.3)       | 0.0000594 (0.0000292, 0.0001051) | 0.00112 (0.00057, 0.00202) |
| Aceh     | Transport injuries                            | 70  | 14.1 (7.8, 22.8)     | 0.0006132 (0.0003390, 0.0009900) | 0.01112 (0.00641, 0.01751) | 8.9 (4.8, 15.0)      | 0.0002872 (0.0001538, 0.0004822) | 0.00544 (0.00299, 0.00908) |
| Aceh     | Other unintentional injuries                  | 70  | 11.9 (6.5, 19.4)     | 0.0005156 (0.0002842, 0.0008433) | 0.00933 (0.00562, 0.01454) | 7.6 (4.4, 12.5)      | 0.0002449 (0.0001399, 0.0004015) | 0.00464 (0.00268, 0.00765) |
| Aceh     | Diarrheal diseases                            | 75  | 36.2 (22.4, 53.0)    | 0.0034822 (0.0021550, 0.0050915) | 0.04484 (0.03140, 0.06082) | 79.3 (57.0, 106.8)   | 0.004877 (0.0035089, 0.0065734)  | 0.05971 (0.04324, 0.07823) |
| Aceh     | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.7)       | 0.000023 (0.0000048, 0.0000706)  | 0.0003 (0.00006, 0.00094)  | 0.4 (0.1, 1.2)       | 0.0000231 (0.0000048, 0.0000737) | 0.00028 (0.00006, 0.00089) |
| Aceh     | Lower respiratory infections                  | 75  | 46.5 (27.3, 69.9)    | 0.0044736 (0.0026254, 0.0067231) | 0.05764 (0.03844, 0.08050) | 77.6 (50.4, 108.4)   | 0.0047715 (0.0031011, 0.0066692) | 0.05837 (0.03950, 0.07997) |
| Aceh     | Malaria                                       | 75  | 1.4 (0.2, 4.6)       | 0.0001353 (0.0000168, 0.0004460) | 0.00174 (0.00022, 0.00555) | 1.4 (0.2, 4.8)       | 0.0000873 (0.0000104, 0.0002956) | 0.00107 (0.00013, 0.00350) |
| Aceh     | Tuberculosis                                  | 75  | 52.4 (33.7, 74.7)    | 0.005039 (0.0032416, 0.0071864)  | 0.06486 (0.04601, 0.08455) | 53.2 (35.1, 74.1)    | 0.0032742 (0.0021605, 0.0045611) | 0.04011 (0.02663, 0.05542) |
| Aceh     | Other communicable diseases                   | 75  | 9.5 (4.5, 16.3)      | 0.0009131 (0.0004320, 0.0015715) | 0.01176 (0.00629, 0.01934) | 16.5 (8.6, 26.8)     | 0.0010127 (0.0005298, 0.0016517) | 0.01241 (0.00660, 0.01970) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 75  | 6.5 (2.6, 13.2)      | 0.0006273 (0.0002544, 0.0012714) | 0.00806 (0.00333, 0.01575) | 2.5 (0.9, 5.1)       | 0.0001542 (0.0000580, 0.0003125) | 0.00189 (0.00075, 0.00389) |
| Aceh     | Breast cancer                                 | 75  | 0.1 (0.0, 0.4)       | 0.0000122 (0.0000030, 0.0000345) | 0.00016 (0.00004, 0.00045) | 7.5 (3.4, 13.6)      | 0.000459 (0.0002103, 0.0008367)  | 0.00562 (0.00257, 0.01017) |
| Aceh     | Cervical cancer                               | 75  |                      |                                  |                            | 4.8 (1.6, 10.0)      | 0.0002966 (0.0001014, 0.0006141) | 0.00362 (0.00126, 0.00737) |
| Aceh     | Other malignant neoplasms                     | 75  | 8.6 (4.9, 13.7)      | 0.0008291 (0.0004746, 0.0013211) | 0.01068 (0.00675, 0.01598) | 18.3 (10.5, 29.4)    | 0.0011241 (0.0006462, 0.0018101) | 0.01375 (0.00788, 0.02187) |
| Aceh     | Cerebrovascular disease                       | 75  | 223.7 (156.0, 292.3) | 0.0215112 (0.0149999, 0.0281079) | 0.27679 (0.23969, 0.31522) | 433.7 (363.8, 515.7) | 0.0266856 (0.0223859, 0.0317305) | 0.32657 (0.28841, 0.36503) |
| Aceh     | Ischemic heart disease                        | 75  | 140.3 (95.2, 188.7)  | 0.0134928 (0.0091556, 0.0181417) | 0.17369 (0.14187, 0.21002) | 169.7 (130.7, 214.5) | 0.0104404 (0.0080402, 0.0131984) | 0.12779 (0.10121, 0.15713) |
| Aceh     | Other cardiovascular and circulatory diseases | 75  | 31.5 (17.2, 49.8)    | 0.0030266 (0.0016510, 0.0047889) | 0.03894 (0.02372, 0.05825) | 65.8 (40.5, 101.9)   | 0.0040472 (0.0024919, 0.0062713) | 0.04951 (0.03086, 0.07485) |
| Aceh     | Diabetes mellitus                             | 75  | 23.8 (15.2, 34.5)    | 0.0022933 (0.0014585, 0.0033177) | 0.02953 (0.02146, 0.03898) | 70.0 (49.8, 94.8)    | 0.0043082 (0.0030614, 0.0058346) | 0.05272 (0.03830, 0.06898) |
| Aceh     | Chronic kidney disease                        | 75  | 17.4 (11.3, 25.4)    | 0.0016779 (0.0010818, 0.0024394) | 0.02161 (0.01568, 0.02926) | 27.9 (19.8, 38.5)    | 0.001716 (0.0012164, 0.0023710)  | 0.02099 (0.01541, 0.02810) |
| Aceh     | Cirrhosis                                     | 75  | 14.6 (8.5, 22.5)     | 0.0014076 (0.0008190, 0.0021621) | 0.01811 (0.01136, 0.02622) | 18.2 (11.0, 26.6)    | 0.0011219 (0.0006744, 0.0016384) | 0.01372 (0.00853, 0.01979) |
| Aceh     | Chronic respiratory diseases                  | 75  | 87.9 (59.2, 121.1)   | 0.0084478 (0.0056893, 0.0116439) | 0.10878 (0.08338, 0.13605) | 102.8 (73.4, 134.2)  | 0.0063248 (0.0045190, 0.0082592) | 0.0774 (0.05776, 0.09876)  |
| Aceh     | Other non-communicable diseases               | 75  | 81.7 (55.7, 112.3)   | 0.007855 (0.0053606, 0.0108022)  | 0.10108 (0.08044, 0.12740) | 155.4 (120.8, 200.3) | 0.0095621 (0.0074299, 0.0123238) | 0.11702 (0.09402, 0.14437) |
| Aceh     | Drowning                                      | 75  | 1.4 (0.5, 3.0)       | 0.0001313 (0.0000500, 0.0002888) | 0.00169 (0.00065, 0.00371) | 1.6 (0.6, 3.3)       | 0.0000966 (0.0000393, 0.0002028) | 0.00118 (0.00046, 0.00243) |
| Aceh     | Falls                                         | 75  | 7.5 (3.5, 13.1)      | 0.0007224 (0.0003406, 0.0012595) | 0.00928 (0.00492, 0.01566) | 9.1 (4.9, 15.0)      | 0.0005608 (0.0003022, 0.0009255) | 0.00686 (0.00379, 0.01120) |
| Aceh     | Interpersonal violence                        | 75  | 0.5 (0.2, 1.3)       | 0.0000498 (0.0000144, 0.0001280) | 0.00064 (0.00019, 0.00163) | 0.5 (0.2, 1.3)       | 0.0000305 (0.0000096, 0.0000786) | 0.00037 (0.00012, 0.00095) |
| Aceh     | Self-harm                                     | 75  | 1.9 (0.9, 3.5)       | 0.0001831 (0.0000835, 0.0003388) | 0.00236 (0.00118, 0.00428) | 1.4 (0.6, 2.6)       | 0.0000849 (0.0000386, 0.0001623) | 0.00104 (0.00047, 0.00198) |
| Aceh     | Transport injuries                            | 75  | 6.8 (3.4, 12.1)      | 0.0006558 (0.0003305, 0.0011642) | 0.00845 (0.00449, 0.01454) | 5.0 (2.6, 8.7)       | 0.0003079 (0.0001571, 0.0005357) | 0.00377 (0.00190, 0.00639) |
| Aceh     | Other unintentional injuries                  | 75  | 7.3 (3.9, 11.9)      | 0.0007 (0.0003728, 0.0011402)    | 0.00901 (0.00522, 0.01413) | 5.6 (3.2, 9.2)       | 0.0003438 (0.0001953, 0.0005681) | 0.00421 (0.00232, 0.00679) |
| Aceh     | Diarrheal diseases                            | 80  | 114.8 (80.5, 154.6)  | 0.0112157 (0.0078686, 0.0151111) | 0.07578 (0.05659, 0.09760) | 234.5 (178.5, 299.4) | 0.0151757 (0.0115394, 0.0203493) | 0.09078 (0.07023, 0.11415) |
| Aceh     | HIV/AIDS                                      | 80  | 0.5 (0.1, 1.6)       | 0.0000449 (0.0000079, 0.0001586) | 0.0003 (0.00005, 0.00111)  | 0.7 (0.1, 2.5)       | 0.0000461 (0.0000075, 0.0001623) | 0.00028 (0.00005, 0.00099) |
| Aceh     | Lower respiratory infections                  | 80  | 104.7 (66.0, 150.9)  | 0.0102334 (0.0064538, 0.0147455) | 0.06916 (0.04575, 0.09726) | 171.6 (113.6, 242.5) | 0.0110894 (0.0073399, 0.0156704) | 0.06638 (0.04490, 0.09107) |
| Aceh     | Malaria                                       | 80  | 2.8 (0.3, 9.4)       | 0.0002766 (0.0000330, 0.0009173) | 0.00187 (0.00024, 0.00625) | 2.8 (0.3, 9.7)       | 0.000182 (0.0000209, 0.0006239)  | 0.00109 (0.00012, 0.00369) |
| Aceh     | Tuberculosis                                  | 80  | 90.3 (59.4, 125.0)   | 0.0088268 (0.0058038, 0.0122152) | 0.05961 (0.04042, 0.07902) | 96.4 (62.2, 135.4)   | 0.0062303 (0.0040213, 0.0087529) | 0.03733 (0.02426, 0.05267) |
| Aceh     | Other communicable diseases                   | 80  | 20.8 (10.8, 33.7)    | 0.002037 (0.0010599, 0.0032930)  | 0.01376 (0.00719, 0.02225) | 33.5 (18.3, 54.4)    | 0.0021633 (0.0011807, 0.0035150) | 0.01296 (0.00703, 0.02125) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 80  | 9.0 (3.5, 18.3)      | 0.0008821 (0.0003446, 0.0017922) | 0.00595 (0.00240, 0.01215) | 3.8 (1.4, 8.2)       | 0.0002463 (0.0000914, 0.0005304) | 0.00147 (0.00056, 0.00321) |
| Aceh     | Breast cancer                                 | 80  | 0.2 (0.0, 0.5)       | 0.0000163 (0.0000035, 0.0000479) | 0.00011 (0.00002, 0.00032) | 9.4 (3.9, 18.3)      | 0.000606 (0.0002519, 0.0011817)  | 0.00363 (0.00152, 0.00708) |
| Aceh     | Cervical cancer                               | 80  |                      |                                  |                            | 5.4 (1.6, 12.0)      | 0.0003501 (0.0001050, 0.0007757) | 0.0021 (0.00064, 0.00453)  |
| Aceh     | Other malignant neoplasms                     | 80  | 12.8 (7.7, 19.9)     | 0.0012547 (0.0007480, 0.0019436) | 0.00848 (0.00529, 0.01268) | 27.8 (15.9, 44.1)    | 0.001798 (0.0010278, 0.0028484)  | 0.01077 (0.00613, 0.01725) |
| Aceh     | Cerebrovascular disease                       | 80  | 413.2 (321.3, 505.6) | 0.0403788 (0.0313967, 0.0494078) | 0.27268 (0.23628, 0.31037) | 830.3 (716.0, 965.7) | 0.053658 (0.0462746, 0.0624124)  | 0.32127 (0.28290, 0.35951) |
| Aceh     | Ischemic heart disease                        | 80  | 234.0 (177.3, 298.1) | 0.022866 (0.0173279, 0.0291299)  | 0.15446 (0.12387, 0.18480) | 315.6 (246.4, 390.4) | 0.0203992 (0.0159213, 0.0252303) | 0.12216 (0.09547, 0.14982) |
| Aceh     | Other cardiovascular and circulatory diseases | 80  | 54.2 (30.2, 86.1)    | 0.0052989 (0.0029473, 0.0084102) | 0.03577 (0.02191, 0.05436) | 115.7 (69.4, 177.9)  | 0.0074766 (0.0044875, 0.0115005) | 0.04476 (0.02712, 0.06878) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Aceh           | Diabetes mellitus                                        | 80  | 34.6 (23.4, 48.2)          | 0.0033833 (0.0022858, 0.0047118) | 0.02285 (0.01632, 0.03057) | 107.5 (77.2, 144.3)        | 0.0069505 (0.0049900, 0.0093248) | 0.04162 (0.03062, 0.05532) |
| Aceh           | Chronic kidney disease                                   | 80  | 26.0 (17.6, 36.4)          | 0.0025406 (0.0017239, 0.0035526) | 0.01717 (0.01235, 0.02337) | 44.3 (31.2, 61.8)          | 0.0028618 (0.0020193, 0.0039960) | 0.01713 (0.01221, 0.02329) |
| Aceh           | Cirrhosis                                                | 80  | 22.9 (13.8, 33.9)          | 0.0022399 (0.0013500, 0.0033090) | 0.01513 (0.00921, 0.02148) | 29.2 (17.6, 42.4)          | 0.0018887 (0.0011392, 0.0027422) | 0.01131 (0.00680, 0.01654) |
| Aceh           | Chronic respiratory diseases                             | 80  | 159.9 (115.6, 209.2)       | 0.0156279 (0.0112978, 0.0204408) | 0.10557 (0.08150, 0.13037) | 186.9 (135.8, 242.6)       | 0.01208 (0.0087793, 0.0156769)   | 0.07233 (0.05312, 0.09303) |
| Aceh           | Other non-communicable diseases                          | 80  | 165.9 (124.6, 215.5)       | 0.0162161 (0.0121764, 0.0210546) | 0.10948 (0.08746, 0.13673) | 324.5 (256.0, 403.6)       | 0.0209741 (0.0165427, 0.0260845) | 0.12559 (0.10165, 0.15412) |
| Aceh           | Drowning                                                 | 80  | 2.6 (0.9, 5.8)             | 0.0002549 (0.0000854, 0.0005714) | 0.00172 (0.00063, 0.00376) | 2.7 (1.0, 6.0)             | 0.0001771 (0.0000620, 0.0003876) | 0.00106 (0.00038, 0.00230) |
| Aceh           | Falls                                                    | 80  | 18.5 (9.9, 30.3)           | 0.0018069 (0.0009640, 0.0029572) | 0.0122 (0.00667, 0.01989)  | 21.1 (12.3, 33.7)          | 0.0013653 (0.0007977, 0.0021748) | 0.00817 (0.00471, 0.01283) |
| Aceh           | Interpersonal violence                                   | 80  | 0.7 (0.1, 2.2)             | 0.0000699 (0.0000113, 0.0002197) | 0.00047 (0.00008, 0.00142) | 0.7 (0.1, 2.1)             | 0.0000456 (0.0000091, 0.0001337) | 0.00027 (0.00005, 0.00080) |
| Aceh           | Self-harm                                                | 80  | 3.1 (1.3, 6.3)             | 0.0003049 (0.0001249, 0.0006177) | 0.00206 (0.00090, 0.00409) | 2.4 (0.9, 5.0)             | 0.0001526 (0.0000590, 0.0003222) | 0.00091 (0.00035, 0.00193) |
| Aceh           | Transport injuries                                       | 80  | 10.9 (5.5, 19.2)           | 0.0010655 (0.0005384, 0.0018729) | 0.0072 (0.00378, 0.01262)  | 7.7 (3.9, 14.0)            | 0.0004982 (0.0002511, 0.0009061) | 0.00298 (0.00152, 0.00540) |
| Aceh           | Other unintentional injuries                             | 80  | 12.4 (6.2, 20.6)           | 0.0012152 (0.0006107, 0.0020170) | 0.00821 (0.00427, 0.01329) | 9.4 (4.8, 16.4)            | 0.0006102 (0.0003083, 0.0010627) | 0.00366 (0.00185, 0.00627) |
| Aceh           | Diarrheal diseases                                       | All | 495.2 (340.7, 680.9)       | 0.0002053 (0.0001412, 0.0002822) | 0.03857 (0.02748, 0.05199) | 761.5 (565.4, 1,015.5)     | 0.0003148 (0.0002337, 0.0004198) | 0.05379 (0.04015, 0.06945) |
| Aceh           | HIV/AIDS                                                 | All | 60.7 (19.5, 149.3)         | 0.0000251 (0.0000081, 0.0000619) | 0.00473 (0.00150, 0.01166) | 44.0 (12.2, 105.7)         | 0.0000182 (0.0000051, 0.0000437) | 0.0031 (0.00088, 0.00757)  |
| Aceh           | Lower respiratory infections                             | All | 704.5 (462.3, 997.2)       | 0.000292 (0.0001916, 0.0004133)  | 0.05487 (0.03754, 0.07482) | 747.7 (504.0, 1,049.4)     | 0.0003091 (0.0002084, 0.0004338) | 0.05278 (0.03695, 0.07071) |
| Aceh           | Malaria                                                  | All | 39.0 (5.3, 116.2)          | 0.0000162 (0.0000022, 0.0000481) | 0.00303 (0.00040, 0.00937) | 28.7 (3.7, 87.2)           | 0.0000118 (0.0000015, 0.0000361) | 0.00202 (0.00026, 0.00604) |
| Aceh           | Tuberculosis                                             | All | 1,037.7 (742.6, 1,395.4)   | 0.0004301 (0.0003078, 0.0005783) | 0.08065 (0.06162, 0.10073) | 724.9 (503.0, 963.3)       | 0.0002997 (0.0002079, 0.0003982) | 0.05115 (0.03741, 0.06594) |
| Aceh           | Maternal disorders                                       | All |                            |                                  |                            | 156.6 (106.2, 212.1)       | 0.0000647 (0.0000439, 0.0000877) | 0.01102 (0.00799, 0.01426) |
| Aceh           | Neonatal encephalopathy due to birth asphyxia and trauma | All | 132.0 (61.8, 221.9)        | 0.0000547 (0.0000256, 0.0000920) | 0.01031 (0.00482, 0.01815) | 84.2 (40.5, 149.3)         | 0.0000348 (0.0000167, 0.0000617) | 0.00596 (0.00285, 0.01068) |
| Aceh           | Preterm birth complications                              | All | 91.4 (39.2, 171.2)         | 0.0000379 (0.0000162, 0.0000710) | 0.00715 (0.00305, 0.01358) | 78.8 (36.5, 144.0)         | 0.0000326 (0.0000151, 0.0000595) | 0.00558 (0.00255, 0.01017) |
| Aceh           | Other neonatal disorders                                 | All | 45.7 (12.1, 100.2)         | 0.0000189 (0.0000050, 0.0000415) | 0.00357 (0.00094, 0.00749) | 28.4 (6.9, 65.3)           | 0.0000117 (0.0000029, 0.0000270) | 0.00201 (0.00049, 0.00465) |
| Aceh           | Other communicable diseases                              | All | 474.3 (317.0, 661.0)       | 0.0001966 (0.0001314, 0.0002739) | 0.03696 (0.02557, 0.04981) | 406.7 (263.8, 574.1)       | 0.0001681 (0.0001090, 0.0002373) | 0.02873 (0.01891, 0.04011) |
| Aceh           | Tracheal, bronchus, and lung cancer                      | All | 131.4 (57.5, 248.6)        | 0.0000545 (0.0000238, 0.0001030) | 0.01019 (0.00455, 0.01861) | 54.1 (23.4, 110.9)         | 0.0000224 (0.0000097, 0.0000458) | 0.00381 (0.00161, 0.00758) |
| Aceh           | Breast cancer                                            | All | 4.4 (1.6, 10.1)            | 0.0000018 (0.0000006, 0.0000042) | 0.00034 (0.00012, 0.00080) | 303.3 (165.0, 490.0)       | 0.0001254 (0.0000682, 0.0002026) | 0.02139 (0.01201, 0.03304) |
| Aceh           | Cervical cancer                                          | All |                            |                                  |                            | 215.2 (89.8, 397.3)        | 0.000089 (0.0000371, 0.0001642)  | 0.01514 (0.00662, 0.02673) |
| Aceh           | Other malignant neoplasms                                | All | 334.5 (208.8, 499.1)       | 0.0001386 (0.0000866, 0.0002069) | 0.02601 (0.01715, 0.03742) | 324.6 (188.6, 511.7)       | 0.0001342 (0.0000780, 0.0002115) | 0.02288 (0.01386, 0.03475) |
| Aceh           | Cerebrovascular disease                                  | All | 2,561.9 (1,928.2, 3,280.1) | 0.0010618 (0.0007992, 0.0013595) | 0.19901 (0.16991, 0.23117) | 3,596.1 (2,959.0, 4,342.6) | 0.0014865 (0.0012231, 0.0017951) | 0.25372 (0.22192, 0.28663) |
| Aceh           | Ischemic heart disease                                   | All | 1,778.0 (1,313.7, 2,336.3) | 0.0007369 (0.0005444, 0.0009683) | 0.13817 (0.11273, 0.16630) | 1,468.6 (1,108.9, 1,877.5) | 0.0006071 (0.0004584, 0.0007761) | 0.10363 (0.08188, 0.12710) |
| Aceh           | Other cardiovascular and circulatory diseases            | All | 340.7 (194.3, 539.3)       | 0.0001412 (0.0000805, 0.0002235) | 0.02645 (0.01612, 0.03985) | 533.1 (316.2, 838.4)       | 0.0002204 (0.0001307, 0.0003465) | 0.0376 (0.02297, 0.05685)  |
| Aceh           | Diabetes mellitus                                        | All | 479.6 (329.7, 672.3)       | 0.0001988 (0.0001367, 0.0002786) | 0.03727 (0.02784, 0.04830) | 929.0 (677.2, 1,255.4)     | 0.000384 (0.0002799, 0.0005189)  | 0.0655 (0.04996, 0.08424)  |
| Aceh           | Chronic kidney disease                                   | All | 366.2 (252.6, 500.3)       | 0.0001518 (0.0001047, 0.0002073) | 0.02847 (0.02138, 0.03713) | 405.4 (286.5, 564.3)       | 0.0001676 (0.0001184, 0.0002333) | 0.02857 (0.02092, 0.03716) |
| Aceh           | Cirrhosis                                                | All | 386.8 (242.2, 578.0)       | 0.0001603 (0.0001004, 0.0002395) | 0.03004 (0.01923, 0.04174) | 291.9 (178.6, 432.7)       | 0.0001206 (0.0000738, 0.0001789) | 0.02056 (0.01327, 0.02892) |
| Aceh           | Chronic respiratory diseases                             | All | 904.6 (633.7, 1,207.5)     | 0.0003749 (0.0002627, 0.0005005) | 0.07031 (0.05329, 0.08961) | 828.0 (593.5, 1,119.2)     | 0.0003423 (0.0002453, 0.0004626) | 0.05841 (0.04368, 0.07481) |
| Aceh           | Other non-communicable diseases                          | All | 1,171.4 (888.0, 1,534.6)   | 0.0004855 (0.0003680, 0.0006360) | 0.09107 (0.07486, 0.11218) | 1,540.7 (1,200.9, 1,959.1) | 0.0006369 (0.0004964, 0.0008098) | 0.10873 (0.08954, 0.13257) |
| Aceh           | Drowning                                                 | All | 106.5 (62.0, 166.8)        | 0.0000441 (0.0000257, 0.0000691) | 0.00831 (0.00478, 0.01245) | 42.3 (22.2, 69.3)          | 0.0000175 (0.0000092, 0.0000286) | 0.00299 (0.00157, 0.00488) |
| Aceh           | Falls                                                    | All | 123.6 (63.5, 211.9)        | 0.0000512 (0.0000263, 0.0000878) | 0.0096 (0.00538, 0.01611)  | 92.0 (50.3, 150.1)         | 0.000038 (0.0000208, 0.0000620)  | 0.00649 (0.00373, 0.01076) |
| Aceh           | Interpersonal violence                                   | All | 62.8 (37.4, 99.9)          | 0.000026 (0.0000155, 0.0000414)  | 0.00488 (0.00304, 0.00727) | 45.6 (24.6, 75.7)          | 0.0000189 (0.0000102, 0.0000313) | 0.00322 (0.00176, 0.00530) |
| Aceh           | Self-harm                                                | All | 87.8 (52.8, 138.7)         | 0.0000364 (0.0000219, 0.0000575) | 0.00682 (0.00442, 0.01019) | 53.4 (32.1, 85.9)          | 0.0000221 (0.0000133, 0.0000355) | 0.00376 (0.00235, 0.00578) |
| Aceh           | Transport injuries                                       | All | 618.1 (430.6, 852.8)       | 0.0002562 (0.0001785, 0.0003534) | 0.04806 (0.03548, 0.06329) | 237.6 (158.4, 352.9)       | 0.0000982 (0.0000655, 0.0001459) | 0.01676 (0.01146, 0.02357) |
| Aceh           | Other unintentional injuries                             | All | 323.5 (210.5, 469.4)       | 0.0001341 (0.0000873, 0.0001945) | 0.02516 (0.01741, 0.03553) | 151.4 (94.0, 229.2)        | 0.0000626 (0.0000389, 0.0000947) | 0.01068 (0.00701, 0.01577) |
| Sumatera Utara | Diarrheal diseases                                       | NN  | 53.4 (24.4, 95.1)          | 0.0041833 (0.0019090, 0.0074508) | 0.01877 (0.01253, 0.02626) | 44.1 (20.1, 81.3)          | 0.0035835 (0.0016305, 0.0066056) | 0.02098 (0.01463, 0.02826) |
| Sumatera Utara | Lower respiratory infections                             | NN  | 289.7 (146.5, 468.6)       | 0.0226821 (0.0114737, 0.0366970) | 0.10163 (0.08238, 0.12388) | 177.0 (91.6, 298.1)        | 0.0143695 (0.0074413, 0.0242099) | 0.08409 (0.06701, 0.10222) |
| Sumatera Utara | Malaria                                                  | NN  | 2.5 (0.6, 6.9)             | 0.0001994 (0.0000494, 0.0005381) | 0.0009 (0.00029, 0.00222)  | 1.5 (0.4, 4.0)             | 0.0001197 (0.0000321, 0.0003236) | 0.00071 (0.00023, 0.00161) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 892.3 (451.1, 1,431.8)     | 0.0698756 (0.0353217, 0.1121194) | 0.31282 (0.26665, 0.36191) | 615.2 (317.2, 1,053.2)     | 0.0499553 (0.0257564, 0.0855198) | 0.29174 (0.24225, 0.34369) |
| Sumatera Utara | Preterm birth complications                              | NN  | 657.3 (314.8, 1,088.8)     | 0.0514727 (0.0246511, 0.0852581) | 0.23047 (0.18373, 0.28156) | 596.6 (302.9, 1,001.1)     | 0.0484427 (0.0245979, 0.0812944) | 0.2835 (0.23026, 0.34144)  |
| Sumatera Utara | Other neonatal disorders                                 | NN  | 356.7 (151.3, 658.3)       | 0.027929 (0.0118471, 0.0515513)  | 0.12463 (0.07979, 0.17848) | 231.2 (98.9, 457.1)        | 0.0187735 (0.0080310, 0.0371194) | 0.10967 (0.06838, 0.16199) |
| Sumatera Utara | Other communicable diseases                              | NN  | 38.2 (16.5, 71.4)          | 0.0029922 (0.0012907, 0.0055935) | 0.01341 (0.00867, 0.01995) | 22.3 (9.9, 44.6)           | 0.0018125 (0.0008040, 0.0036219) | 0.01059 (0.00687, 0.01567) |
| Sumatera Utara | Other malignant neoplasms                                | NN  | 17.2 (6.7, 34.2)           | 0.0013462 (0.0005252, 0.0026789) | 0.00602 (0.00354, 0.00941) | 13.5 (5.5, 27.1)           | 0.0010969 (0.0004482, 0.0022042) | 0.00639 (0.00383, 0.01006) |
| Sumatera Utara | Cerebrovascular disease                                  | NN  | 5.8 (1.4, 14.8)            | 0.0004552 (0.0001089, 0.0011627) | 0.00202 (0.00068, 0.00442) | 5.9 (1.6, 15.3)            | 0.0004083 (0.0001313, 0.0012384) | 0.00281 (0.00098, 0.00608) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | NN  | 3.5 (0.8, 9.3)             | 0.0002744 (0.0000640, 0.0007279) | 0.00122 (0.00037, 0.00283) | 3.3 (0.9, 8.3)             | 0.0002681 (0.0000696, 0.0006715) | 0.00157 (0.00050, 0.00346) |
| Sumatera Utara | Diabetes mellitus                                        | NN  | 2.6 (0.0, 20.7)            | 0.0002072 (0.0000011, 0.0016195) | 0.00091 (0.00001, 0.00719) | 2.8 (0.0, 22.9)            | 0.0002271 (0.0000014, 0.0018622) | 0.00131 (0.00001, 0.01002) |
| Sumatera Utara | Other non-communicable diseases                          | NN  | 379.5 (192.5, 600.3)       | 0.0297175 (0.0150730, 0.0470085) | 0.1331 (0.11781, 0.14870)  | 343.3 (183.4, 564.6)       | 0.0278782 (0.0148950, 0.0458480) | 0.16308 (0.14629, 0.18001) |
| Sumatera Utara | Drowning                                                 | NN  | 33.8 (12.8, 64.7)          | 0.0026433 (0.0010006, 0.0050639) | 0.01188 (0.00672, 0.01980) | 9.1 (3.4, 19.7)            | 0.0007391 (0.0002728, 0.0016009) | 0.00432 (0.00227, 0.00765) |
| Sumatera Utara | Falls                                                    | NN  | 14.5 (5.5, 29.6)           | 0.001139 (0.0004281, 0.0023165)  | 0.00512 (0.00261, 0.00897) | 5.3 (1.8, 11.7)            | 0.0004314 (0.0001484, 0.0009472) | 0.00252 (0.00120, 0.00450) |
| Sumatera Utara | Interpersonal violence                                   | NN  | 7.7 (2.4, 18.8)            | 0.0006036 (0.0001841, 0.0014758) | 0.00271 (0.00111, 0.00547) | 4.6 (1.3, 11.6)            | 0.0003757 (0.0001072, 0.0009437) | 0.00218 (0.00087, 0.00440) |
| Sumatera Utara | Transport injuries                                       | NN  | 40.0 (16.1, 79.2)          | 0.0031326 (0.0012611, 0.0062021) | 0.01406 (0.00837, 0.02225) | 10.7 (4.3, 21.7)           | 0.0008685 (0.0003484, 0.0017597) | 0.00506 (0.00289, 0.00815) |
| Sumatera Utara | Other unintentional injuries                             | NN  | 57.9 (25.0, 112.3)         | 0.0045348 (0.0019543, 0.0087940) | 0.02035 (0.01278, 0.03098) | 20.0 (8.4, 40.2)           | 0.0016213 (0.0006798, 0.0032616) | 0.00949 (0.00593, 0.01492) |
| Sumatera Utara | Diarrheal diseases                                       | PNN | 700.9 (351.2, 1,176.4)     | 0.0043972 (0.0022035, 0.0073808) | 0.30581 (0.26005, 0.35600) | 796.5 (406.2, 1,332.4)     | 0.0051821 (0.0026424, 0.0086683) | 0.36608 (0.31765, 0.41456) |
| Sumatera Utara | HIV/AIDS                                                 | PNN | 15.5 (5.5, 35.1)           | 0.0000974 (0.0000343, 0.0002203) | 0.00676 (0.00315, 0.01343) | 12.4 (4.5, 27.4)           | 0.0000808 (0.0000291, 0.0001785) | 0.00572 (0.00268, 0.01147) |
| Sumatera Utara | Lower respiratory infections                             | PNN | 343.0 (172.0, 572.5)       | 0.0021516 (0.0010788, 0.0035917) | 0.14944 (0.12429, 0.17367) | 277.5 (139.7, 475.3)       | 0.0018052 (0.0009087, 0.0030922) | 0.12757 (0.10827, 0.14982) |
| Sumatera Utara | Malaria                                                  | PNN | 32.9 (9.2, 84.5)           | 0.0002063 (0.0000576, 0.0005302) | 0.0143 (0.00496, 0.03178)  | 26.4 (7.3, 70.9)           | 0.0001716 (0.0000478, 0.0004614) | 0.01204 (0.00445, 0.02746) |

# Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Tuberculosis                                             | PNN | 36.3 (15.6, 65.5)    | 0.0002275 (0.0000979, 0.0004106) | 0.01581 (0.01059, 0.02304)  | 30.2 (13.4, 57.7)    | 0.0001967 (0.0000871, 0.0003752) | 0.01388 (0.00886, 0.02043) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 34.0 (10.3, 85.1)    | 0.000213 (0.0000644, 0.0005342)  | 0.01484 (0.00555, 0.03246)  | 29.0 (8.5, 69.6)     | 0.0001885 (0.0000555, 0.0004525) | 0.01336 (0.00494, 0.02869) |
| Sumatera Utara | Preterm birth complications                              | PNN | 58.5 (21.7, 126.0)   | 0.0003669 (0.0001363, 0.0007907) | 0.02533 (0.01324, 0.04350)  | 75.0 (28.7, 153.3)   | 0.0004876 (0.0001864, 0.0009975) | 0.03435 (0.01807, 0.05806) |
| Sumatera Utara | Other neonatal disorders                                 | PNN | 46.8 (14.2, 108.8)   | 0.0002934 (0.0000894, 0.0006828) | 0.02038 (0.00815, 0.04531)  | 39.4 (12.1, 95.6)    | 0.0002566 (0.0000785, 0.0006220) | 0.01812 (0.00716, 0.03968) |
| Sumatera Utara | Other communicable diseases                              | PNN | 557.9 (268.4, 938.9) | 0.0035003 (0.0016839, 0.0058905) | 0.24281 (0.19909, 0.29341)  | 447.6 (224.5, 777.5) | 0.0029122 (0.0014604, 0.0050581) | 0.2056 (0.16558, 0.25026)  |
| Sumatera Utara | Other malignant neoplasms                                | PNN | 13.1 (5.4, 24.9)     | 0.0000825 (0.0000339, 0.0001561) | 0.00574 (0.00342, 0.00892)  | 13.4 (5.8, 26.5)     | 0.0000873 (0.0000379, 0.0001722) | 0.00615 (0.00367, 0.00961) |
| Sumatera Utara | Cerebrovascular disease                                  | PNN | 4.4 (1.2, 10.6)      | 0.0000279 (0.0000073, 0.0000668) | 0.00194 (0.00065, 0.00417)  | 5.9 (1.7, 15.6)      | 0.0000384 (0.0000108, 0.0001016) | 0.00271 (0.00095, 0.00586) |
| Sumatera Utara | Ischemic heart disease                                   | PNN | 2.1 (0.1, 10.0)      | 0.0000132 (0.0000009, 0.0000625) | 0.00092 (0.00007, 0.00426)  | 2.7 (0.2, 12.7)      | 0.0000179 (0.0000011, 0.0000828) | 0.00125 (0.00010, 0.00592) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | PNN | 2.7 (0.7, 6.9)       | 0.0000168 (0.0000042, 0.0000435) | 0.00116 (0.00034, 0.00266)  | 3.3 (0.9, 8.2)       | 0.0000213 (0.0000058, 0.0000530) | 0.0015 (0.00048, 0.00331)  |
| Sumatera Utara | Diabetes mellitus                                        | PNN | 2.1 (0.0, 15.5)      | 0.0000129 (0.0000001, 0.0000974) | 0.00087 (0.00001, 0.00701)  | 2.8 (0.0, 22.4)      | 0.0000185 (0.0000001, 0.0001454) | 0.00127 (0.00001, 0.00971) |
| Sumatera Utara | Chronic kidney disease                                   | PNN | 16.8 (6.5, 34.4)     | 0.0001051 (0.0000408, 0.0002158) | 0.00731 (0.00374, 0.01311)  | 17.6 (6.8, 35.6)     | 0.0001145 (0.0000440, 0.0002318) | 0.00807 (0.00417, 0.01423) |
| Sumatera Utara | Other non-communicable diseases                          | PNN | 289.4 (142.4, 482.1) | 0.0018155 (0.0008937, 0.0030246) | 0.12607 (0.11121, 0.14174)  | 339.0 (170.8, 566.4) | 0.0022054 (0.0011111, 0.0036847) | 0.15577 (0.13917, 0.17309) |
| Sumatera Utara | Drowning                                                 | PNN | 31.4 (12.6, 58.4)    | 0.0001969 (0.0000793, 0.0003666) | 0.01371 (0.00817, 0.02197)  | 11.0 (4.3, 21.9)     | 0.0000714 (0.0000278, 0.0001426) | 0.00505 (0.00280, 0.00869) |
| Sumatera Utara | Falls                                                    | PNN | 13.0 (5.1, 26.2)     | 0.0000816 (0.0000322, 0.0001643) | 0.00567 (0.00303, 0.00967)  | 6.1 (2.2, 12.7)      | 0.0000399 (0.0000146, 0.0000828) | 0.00282 (0.00140, 0.00498) |
| Sumatera Utara | Interpersonal violence                                   | PNN | 6.7 (2.2, 15.0)      | 0.0000422 (0.0000137, 0.0000938) | 0.00294 (0.00125, 0.00573)  | 5.2 (1.8, 12.2)      | 0.000034 (0.0000114, 0.0000797)  | 0.00239 (0.00099, 0.00467) |
| Sumatera Utara | Transport injuries                                       | PNN | 36.7 (15.1, 68.9)    | 0.0002305 (0.0000947, 0.0004321) | 0.01602 (0.01004, 0.02449)  | 12.7 (5.1, 24.8)     | 0.0000829 (0.0000334, 0.0001617) | 0.00584 (0.00344, 0.00900) |
| Sumatera Utara | Other unintentional injuries                             | PNN | 50.9 (21.9, 94.8)    | 0.0003191 (0.0001373, 0.0005948) | 0.02217 (0.01451, 0.03244)  | 22.8 (9.9, 42.6)     | 0.0001482 (0.0000646, 0.0002769) | 0.01047 (0.00683, 0.01572) |
| Sumatera Utara | Diarrheal diseases                                       | 1   | 188.6 (77.2, 397.3)  | 0.0002874 (0.0001177, 0.0006053) | 0.17033 (0.13323, 0.21252)  | 178.6 (82.0, 335.0)  | 0.0002847 (0.0001307, 0.0005340) | 0.22559 (0.18429, 0.27204) |
| Sumatera Utara | HIV/AIDS                                                 | 1   | 9.2 (2.8, 22.8)      | 0.0000141 (0.0000042, 0.0000348) | 0.00832 (0.00375, 0.01635)  | 6.2 (2.0, 14.8)      | 0.00001 (0.0000031, 0.0000236)   | 0.00789 (0.00380, 0.01539) |
| Sumatera Utara | Lower respiratory infections                             | 1   | 198.5 (81.2, 398.4)  | 0.0003024 (0.0001237, 0.0006070) | 0.17915 (0.15194, 0.20686)  | 136.2 (61.3, 259.7)  | 0.0002172 (0.0000977, 0.0004139) | 0.17171 (0.14342, 0.20094) |
| Sumatera Utara | Malaria                                                  | 1   | 7.0 (1.8, 18.0)      | 0.0000107 (0.0000027, 0.0000275) | 0.00646 (0.00222, 0.01498)  | 4.7 (1.3, 12.2)      | 0.0000076 (0.0000020, 0.0000195) | 0.00605 (0.00229, 0.01363) |
| Sumatera Utara | Tuberculosis                                             | 1   | 22.7 (8.2, 48.3)     | 0.0000345 (0.0000125, 0.0000736) | 0.02047 (0.01371, 0.02899)  | 16.0 (6.5, 33.1)     | 0.0000254 (0.0000104, 0.0000528) | 0.02015 (0.01336, 0.02901) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 10.1 (2.5, 26.7)     | 0.0000154 (0.0000039, 0.0000407) | 0.00916 (0.00335, 0.02052)  | 6.8 (1.7, 18.3)      | 0.0000109 (0.0000027, 0.0000291) | 0.00864 (0.00318, 0.01893) |
| Sumatera Utara | Preterm birth complications                              | 1   | 3.4 (0.6, 10.8)      | 0.0000051 (0.0000009, 0.0000164) | 0.00304 (0.00078, 0.00881)  | 3.4 (0.6, 11.4)      | 0.0000055 (0.0000010, 0.0000182) | 0.00434 (0.00112, 0.01271) |
| Sumatera Utara | Other neonatal disorders                                 | 1   | 2.2 (0.0, 15.0)      | 0.0000033 (0.0000000, 0.0000229) | 0.00194 (0.00002, 0.01256)  | 1.4 (0.0, 10.4)      | 0.0000023 (0.0000000, 0.0000166) | 0.00177 (0.00002, 0.01302) |
| Sumatera Utara | Other communicable diseases                              | 1   | 332.3 (129.4, 670.6) | 0.0005063 (0.0001971, 0.0010217) | 0.2996 (0.24999, 0.34601)   | 227.6 (100.7, 437.1) | 0.0003629 (0.0001605, 0.0006968) | 0.28702 (0.23691, 0.33611) |
| Sumatera Utara | Other malignant neoplasms                                | 1   | 5.1 (1.7, 11.9)      | 0.0000078 (0.0000025, 0.0000182) | 0.00462 (0.00261, 0.00744)  | 4.8 (1.7, 10.8)      | 0.0000076 (0.0000027, 0.0000173) | 0.00597 (0.00353, 0.00969) |
| Sumatera Utara | Cerebrovascular disease                                  | 1   | 1.9 (0.5, 5.3)       | 0.0000029 (0.0000007, 0.0000081) | 0.00017 (0.00007, 0.00388)  | 2.3 (0.6, 6.0)       | 0.0000036 (0.0000010, 0.0000095) | 0.00287 (0.00100, 0.00620) |
| Sumatera Utara | Ischemic heart disease                                   | 1   | 0.9 (0.1, 4.5)       | 0.0000014 (0.0000001, 0.0000069) | 0.00083 (0.000057, 0.00381) | 1.1 (0.1, 5.3)       | 0.0000018 (0.0000001, 0.0000085) | 0.00135 (0.00011, 0.00624) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | 1   | 1.1 (0.2, 2.9)       | 0.0000016 (0.0000004, 0.0000043) | 0.00096 (0.00027, 0.00222)  | 1.2 (0.3, 3.0)       | 0.0000019 (0.0000004, 0.0000048) | 0.0015 (0.00046, 0.00341)  |
| Sumatera Utara | Diabetes mellitus                                        | 1   | 0.8 (0.0, 6.3)       | 0.0000012 (0.0000000, 0.0000096) | 0.00071 (0.00000, 0.00563)  | 1.0 (0.0, 7.6)       | 0.0000016 (0.0000000, 0.0000122) | 0.00124 (0.00001, 0.00957) |
| Sumatera Utara | Chronic kidney disease                                   | 1   | 6.3 (2.1, 15.0)      | 0.0000095 (0.0000033, 0.0000229) | 0.00057 (0.00289, 0.01027)  | 6.0 (2.1, 13.6)      | 0.0000095 (0.0000034, 0.0000216) | 0.00757 (0.00388, 0.01330) |
| Sumatera Utara | Cirrhosis                                                | 1   | 12.0 (3.5, 30.3)     | 0.0000183 (0.0000053, 0.0000462) | 0.01071 (0.00472, 0.01992)  | 6.0 (1.8, 15.1)      | 0.0000096 (0.0000029, 0.0000241) | 0.00757 (0.00320, 0.01441) |
| Sumatera Utara | Chronic respiratory diseases                             | 1   | 22.1 (6.9, 48.3)     | 0.0000336 (0.0000104, 0.0000735) | 0.01998 (0.01016, 0.03297)  | 8.8 (2.9, 20.7)      | 0.0000141 (0.0000046, 0.0000330) | 0.01117 (0.00525, 0.01980) |
| Sumatera Utara | Other non-communicable diseases                          | 1   | 112.7 (45.3, 221.9)  | 0.0001717 (0.0000690, 0.0003380) | 0.10174 (0.08270, 0.12164)  | 120.0 (53.8, 231.4)  | 0.0001913 (0.0000858, 0.0003688) | 0.15123 (0.13052, 0.17334) |
| Sumatera Utara | Drowning                                                 | 1   | 50.2 (18.2, 108.3)   | 0.0000765 (0.0000277, 0.0001650) | 0.04537 (0.02900, 0.06838)  | 15.5 (5.9, 32.5)     | 0.0000247 (0.0000094, 0.0000518) | 0.01954 (0.01145, 0.03036) |
| Sumatera Utara | Falls                                                    | 1   | 14.4 (5.1, 32.8)     | 0.000022 (0.0000078, 0.0000499)  | 0.01301 (0.00738, 0.02080)  | 6.0 (2.3, 13.4)      | 0.0000095 (0.0000036, 0.0000214) | 0.00752 (0.00401, 0.01264) |
| Sumatera Utara | Interpersonal violence                                   | 1   | 6.1 (1.8, 14.4)      | 0.0000093 (0.0000028, 0.0000220) | 0.00554 (0.00250, 0.01007)  | 4.2 (1.2, 10.2)      | 0.0000066 (0.0000020, 0.0000162) | 0.00524 (0.00273, 0.00975) |
| Sumatera Utara | Transport injuries                                       | 1   | 51.8 (19.3, 106.1)   | 0.0000789 (0.0000294, 0.0001616) | 0.04688 (0.03084, 0.06539)  | 15.8 (6.5, 33.3)     | 0.0000252 (0.0000103, 0.0000531) | 0.02003 (0.01272, 0.03027) |
| Sumatera Utara | Other unintentional injuries                             | 1   | 48.5 (17.4, 101.3)   | 0.0000739 (0.0000265, 0.0001543) | 0.04376 (0.03017, 0.06100)  | 19.0 (7.7, 40.0)     | 0.0000304 (0.0000123, 0.0000638) | 0.02404 (0.01558, 0.03504) |
| Sumatera Utara | Diarrheal diseases                                       | 5   | 75.3 (51.1, 105.2)   | 0.0000938 (0.0000636, 0.0001312) | 0.11515 (0.08783, 0.14606)  | 68.3 (49.8, 90.3)    | 0.0000909 (0.0000663, 0.0001202) | 0.16211 (0.12701, 0.19908) |
| Sumatera Utara | HIV/AIDS                                                 | 5   | 2.7 (0.7, 6.6)       | 0.0000033 (0.0000009, 0.0000082) | 0.00408 (0.00111, 0.00986)  | 1.7 (0.5, 3.9)       | 0.0000023 (0.0000006, 0.0000052) | 0.00405 (0.00119, 0.00915) |
| Sumatera Utara | Lower respiratory infections                             | 5   | 52.4 (35.7, 74.1)    | 0.0000653 (0.0000444, 0.0000923) | 0.08012 (0.05947, 0.10225)  | 34.3 (24.1, 46.6)    | 0.0000456 (0.0000321, 0.0000620) | 0.08132 (0.06111, 0.10421) |
| Sumatera Utara | Malaria                                                  | 5   | 2.8 (0.9, 7.0)       | 0.0000035 (0.0000011, 0.0000088) | 0.00435 (0.00138, 0.01013)  | 1.8 (0.6, 4.3)       | 0.0000024 (0.0000008, 0.0000057) | 0.00431 (0.00156, 0.00966) |
| Sumatera Utara | Tuberculosis                                             | 5   | 8.6 (5.1, 13.7)      | 0.0000107 (0.0000064, 0.0000171) | 0.01316 (0.00841, 0.01987)  | 5.8 (3.6, 8.9)       | 0.0000077 (0.0000048, 0.0000118) | 0.01369 (0.00898, 0.02026) |
| Sumatera Utara | Other communicable diseases                              | 5   | 130.7 (92.5, 173.6)  | 0.0001629 (0.0001153, 0.0002164) | 0.19994 (0.16725, 0.23514)  | 85.6 (64.2, 110.3)   | 0.000114 (0.0000855, 0.0001470)  | 0.20327 (0.16405, 0.24228) |
| Sumatera Utara | Other malignant neoplasms                                | 5   | 19.0 (10.8, 29.5)    | 0.0000237 (0.0000135, 0.0000367) | 0.02905 (0.01871, 0.04433)  | 17.1 (10.9, 25.4)    | 0.0000228 (0.0000145, 0.0000338) | 0.0407 (0.02730, 0.05891)  |
| Sumatera Utara | Cerebrovascular disease                                  | 5   | 4.8 (2.2, 9.1)       | 0.0000059 (0.0000028, 0.0000114) | 0.00727 (0.00352, 0.01342)  | 5.5 (2.7, 9.8)       | 0.0000074 (0.0000036, 0.0000130) | 0.01314 (0.00669, 0.02217) |
| Sumatera Utara | Ischemic heart disease                                   | 5   | 2.6 (0.9, 5.8)       | 0.0000033 (0.0000012, 0.0000072) | 0.00402 (0.00157, 0.00841)  | 2.9 (1.1, 5.8)       | 0.0000039 (0.0000015, 0.0000077) | 0.00696 (0.00285, 0.01329) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | 5   | 3.0 (1.2, 6.5)       | 0.0000038 (0.0000015, 0.0000081) | 0.00465 (0.00192, 0.00997)  | 3.2 (1.4, 6.5)       | 0.0000043 (0.0000019, 0.0000086) | 0.00767 (0.00361, 0.01496) |
| Sumatera Utara | Diabetes mellitus                                        | 5   | 5.7 (2.2, 12.1)      | 0.0000071 (0.0000027, 0.0000151) | 0.00876 (0.00347, 0.01861)  | 7.1 (2.9, 14.3)      | 0.0000094 (0.0000039, 0.0000190) | 0.01677 (0.00718, 0.03431) |
| Sumatera Utara | Chronic kidney disease                                   | 5   | 8.0 (3.9, 14.6)      | 0.0000099 (0.0000049, 0.0000181) | 0.01219 (0.00627, 0.02128)  | 7.4 (3.8, 12.6)      | 0.0000099 (0.0000051, 0.0000168) | 0.0176 (0.00943, 0.02938)  |
| Sumatera Utara | Cirrhosis                                                | 5   | 19.0 (10.6, 31.4)    | 0.0000236 (0.0000132, 0.0000391) | 0.02904 (0.01684, 0.04517)  | 9.5 (5.3, 15.3)      | 0.0000126 (0.0000071, 0.0000203) | 0.02249 (0.01288, 0.03482) |
| Sumatera Utara | Chronic respiratory diseases                             | 5   | 10.7 (5.4, 20.1)     | 0.0000134 (0.0000067, 0.0000250) | 0.01637 (0.00897, 0.02760)  | 4.1 (2.1, 7.3)       | 0.0000055 (0.0000028, 0.0000097) | 0.00981 (0.00520, 0.01704) |
| Sumatera Utara | Other non-communicable diseases                          | 5   | 61.6 (42.4, 85.0)    | 0.0000768 (0.0000529, 0.0001059) | 0.09423 (0.07345, 0.11864)  | 64.0 (47.9, 81.8)    | 0.0000852 (0.0000638, 0.0001089) | 0.15196 (0.12313, 0.18334) |
| Sumatera Utara | Drowning                                                 | 5   | 102.6 (69.3, 143.5)  | 0.0001279 (0.0000863, 0.0001789) | 0.15693 (0.11975, 0.20337)  | 41.0 (27.9, 59.1)    | 0.0000546 (0.0000371, 0.0000788) | 0.0974 (0.06825, 0.13110)  |
| Sumatera Utara | Falls                                                    | 5   | 15.1 (7.9, 25.1)     | 0.0000189 (0.0000098, 0.0000312) | 0.02316 (0.01308, 0.03667)  | 7.5 (4.2, 12.2)      | 0.00001 (0.0000055, 0.0000162)   | 0.01776 (0.01027, 0.02751) |
| Sumatera Utara | Interpersonal violence                                   | 5   | 2.9 (1.2, 5.7)       | 0.0000036 (0.0000015, 0.0000071) | 0.00442 (0.00189, 0.00865)  | 2.3 (1.0, 4.5)       | 0.0000031 (0.0000014, 0.0000061) | 0.00554 (0.00246, 0.01063) |
| Sumatera Utara | Transport injuries                                       | 5   | 99.8 (66.3, 137.6)   | 0.0001244 (0.0000826, 0.0001716) | 0.15271 (0.11360, 0.19191)  | 39.5 (26.7, 53.8)    | 0.0000526 (0.0000356, 0.0000716) | 0.09378 (0.06703, 0.12360) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Other unintentional injuries                  | 5   | 26.4 (16.4, 40.9)    | 0.0000329 (0.0000204, 0.0000510) | 0.04039 (0.02695, 0.05919) | 12.5 (7.9, 18.8)     | 0.0000166 (0.0000105, 0.0000250) | 0.02966 (0.01973, 0.04376) |
| Sumatera Utara | Diarrheal diseases                            | 10  | 40.8 (27.8, 56.9)    | 0.000053 (0.0000361, 0.0000738)  | 0.06213 (0.04480, 0.08327) | 33.7 (23.1, 45.8)    | 0.0000458 (0.0000315, 0.0000623) | 0.08864 (0.06541, 0.11517) |
| Sumatera Utara | HIV/AIDS                                      | 10  | 2.8 (1.1, 5.8)       | 0.0000036 (0.0000014, 0.0000076) | 0.00428 (0.00163, 0.00873) | 1.7 (0.7, 3.5)       | 0.0000023 (0.0000009, 0.0000047) | 0.00445 (0.00185, 0.00917) |
| Sumatera Utara | Lower respiratory infections                  | 10  | 36.5 (25.6, 50.0)    | 0.0000473 (0.0000332, 0.0000649) | 0.05547 (0.03980, 0.07167) | 21.5 (15.4, 29.0)    | 0.0000293 (0.0000209, 0.0000395) | 0.05665 (0.04187, 0.07325) |
| Sumatera Utara | Malaria                                       | 10  | 6.0 (2.9, 11.3)      | 0.0000078 (0.0000037, 0.0000147) | 0.00915 (0.00441, 0.01676) | 3.6 (1.8, 6.6)       | 0.0000049 (0.0000024, 0.0000090) | 0.00946 (0.00479, 0.01667) |
| Sumatera Utara | Tuberculosis                                  | 10  | 21.6 (14.2, 31.7)    | 0.000028 (0.0000184, 0.0000411)  | 0.03288 (0.02266, 0.04568) | 13.7 (9.5, 19.2)     | 0.0000187 (0.0000129, 0.0000261) | 0.03614 (0.02584, 0.04819) |
| Sumatera Utara | Maternal disorders                            | 10  |                      |                                  |                            | 1.4 (0.2, 3.4)       | 0.0000019 (0.0000003, 0.0000047) | 0.00367 (0.00068, 0.00912) |
| Sumatera Utara | Other communicable diseases                   | 10  | 105.1 (80.9, 134.0)  | 0.0001363 (0.0001049, 0.0001738) | 0.15988 (0.13164, 0.18894) | 60.5 (47.0, 75.8)    | 0.0000822 (0.0000639, 0.0001031) | 0.15923 (0.12905, 0.18988) |
| Sumatera Utara | Other malignant neoplasms                     | 10  | 28.2 (19.3, 39.9)    | 0.0000366 (0.0000250, 0.0000518) | 0.04295 (0.03097, 0.05832) | 24.1 (17.7, 32.6)    | 0.0000328 (0.0000241, 0.0000443) | 0.06352 (0.04915, 0.08109) |
| Sumatera Utara | Cerebrovascular disease                       | 10  | 8.0 (4.7, 13.0)      | 0.0000103 (0.0000061, 0.0000168) | 0.01212 (0.00735, 0.01880) | 8.3 (5.1, 12.5)      | 0.0000112 (0.0000069, 0.0000171) | 0.02171 (0.01388, 0.03194) |
| Sumatera Utara | Ischemic heart disease                        | 10  | 6.6 (3.7, 11.1)      | 0.0000086 (0.0000048, 0.0000144) | 0.01004 (0.00600, 0.01547) | 6.6 (4.0, 10.0)      | 0.0000089 (0.0000054, 0.0000136) | 0.01726 (0.01115, 0.02558) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 10  | 4.6 (2.4, 8.1)       | 0.000006 (0.0000031, 0.0000105)  | 0.00706 (0.00379, 0.01226) | 4.5 (2.5, 7.5)       | 0.0000061 (0.0000035, 0.0000102) | 0.01188 (0.00702, 0.01929) |
| Sumatera Utara | Diabetes mellitus                             | 10  | 8.3 (4.5, 14.3)      | 0.0000108 (0.0000059, 0.0000185) | 0.0127 (0.00698, 0.02125)  | 9.5 (5.6, 15.7)      | 0.0000129 (0.0000076, 0.0000213) | 0.02503 (0.01450, 0.04005) |
| Sumatera Utara | Chronic kidney disease                        | 10  | 11.5 (7.1, 17.3)     | 0.0000149 (0.0000093, 0.0000225) | 0.01745 (0.01121, 0.02576) | 9.9 (6.4, 14.7)      | 0.0000135 (0.0000087, 0.0000200) | 0.02609 (0.01729, 0.03721) |
| Sumatera Utara | Cirrhosis                                     | 10  | 22.3 (14.6, 32.2)    | 0.0000289 (0.0000190, 0.0000417) | 0.03393 (0.02343, 0.04743) | 10.0 (6.6, 14.4)     | 0.0000136 (0.0000090, 0.0000196) | 0.02637 (0.01857, 0.03620) |
| Sumatera Utara | Chronic respiratory diseases                  | 10  | 21.9 (13.9, 32.4)    | 0.0000283 (0.0000180, 0.0000420) | 0.0332 (0.02219, 0.04723)  | 8.4 (5.2, 13.0)      | 0.0000114 (0.0000071, 0.0000177) | 0.02207 (0.01443, 0.03194) |
| Sumatera Utara | Other non-communicable diseases               | 10  | 73.7 (57.1, 94.4)    | 0.0000956 (0.0000741, 0.0001224) | 0.11215 (0.09316, 0.13297) | 68.6 (55.3, 85.3)    | 0.0000933 (0.0000752, 0.0001161) | 0.18056 (0.15511, 0.20628) |
| Sumatera Utara | Drowning                                      | 10  | 55.1 (36.0, 78.2)    | 0.0000715 (0.0000467, 0.0001015) | 0.08388 (0.05674, 0.11480) | 16.7 (9.9, 26.2)     | 0.0000227 (0.0000135, 0.0000357) | 0.04401 (0.02658, 0.06775) |
| Sumatera Utara | Falls                                         | 10  | 13.8 (7.4, 23.9)     | 0.0000179 (0.0000096, 0.0000310) | 0.02099 (0.01190, 0.03519) | 5.5 (3.2, 9.5)       | 0.0000075 (0.0000043, 0.0000129) | 0.01446 (0.00851, 0.02456) |
| Sumatera Utara | Interpersonal violence                        | 10  | 4.7 (2.6, 7.9)       | 0.0000061 (0.0000034, 0.0000103) | 0.00709 (0.00413, 0.01209) | 3.3 (1.8, 5.5)       | 0.0000044 (0.0000024, 0.0000075) | 0.00857 (0.00487, 0.01401) |
| Sumatera Utara | Self-harm                                     | 10  | 9.8 (4.3, 18.4)      | 0.0000128 (0.0000056, 0.0000238) | 0.01495 (0.00667, 0.02762) | 5.9 (2.7, 10.4)      | 0.000008 (0.0000037, 0.0000142)  | 0.01542 (0.00730, 0.02656) |
| Sumatera Utara | Transport injuries                            | 10  | 149.0 (113.8, 190.2) | 0.0001932 (0.0001476, 0.0002467) | 0.22649 (0.18874, 0.26526) | 51.9 (37.9, 67.7)    | 0.0000706 (0.0000516, 0.0000922) | 0.13652 (0.10568, 0.16943) |
| Sumatera Utara | Other unintentional injuries                  | 10  | 27.1 (18.3, 39.0)    | 0.0000351 (0.0000237, 0.0000505) | 0.0412 (0.02936, 0.05644)  | 10.7 (7.3, 15.7)     | 0.0000146 (0.0000099, 0.0000213) | 0.02828 (0.01963, 0.04013) |
| Sumatera Utara | Diarrheal diseases                            | 15  | 30.2 (18.3, 45.1)    | 0.0000439 (0.0000266, 0.0000656) | 0.02769 (0.01741, 0.04003) | 17.0 (10.4, 24.6)    | 0.0000255 (0.0000156, 0.0000368) | 0.03465 (0.02241, 0.04947) |
| Sumatera Utara | HIV/AIDS                                      | 15  | 3.6 (1.3, 7.7)       | 0.0000053 (0.0000019, 0.0000112) | 0.00334 (0.00127, 0.00701) | 1.5 (0.6, 3.4)       | 0.0000023 (0.0000009, 0.0000050) | 0.00309 (0.00119, 0.00679) |
| Sumatera Utara | Lower respiratory infections                  | 15  | 24.5 (16.4, 35.5)    | 0.0000357 (0.0000238, 0.0000517) | 0.02252 (0.01578, 0.03065) | 9.3 (6.3, 13.2)      | 0.0000139 (0.0000094, 0.0000198) | 0.01888 (0.01304, 0.02634) |
| Sumatera Utara | Malaria                                       | 15  | 19.5 (11.4, 31.5)    | 0.0000285 (0.0000166, 0.0000458) | 0.01794 (0.01078, 0.02827) | 8.1 (4.5, 13.6)      | 0.0000121 (0.0000067, 0.0000204) | 0.0165 (0.00913, 0.02696)  |
| Sumatera Utara | Tuberculosis                                  | 15  | 56.6 (41.1, 74.4)    | 0.0000825 (0.0000598, 0.0001083) | 0.05194 (0.04050, 0.06570) | 22.5 (16.7, 29.6)    | 0.0000337 (0.0000250, 0.0000444) | 0.04586 (0.03494, 0.05842) |
| Sumatera Utara | Maternal disorders                            | 15  |                      |                                  |                            | 16.9 (10.5, 25.2)    | 0.0000254 (0.0000158, 0.0000377) | 0.03448 (0.02200, 0.04996) |
| Sumatera Utara | Other communicable diseases                   | 15  | 92.8 (70.2, 121.5)   | 0.0001352 (0.0001021, 0.0001768) | 0.08514 (0.06772, 0.10515) | 35.8 (26.5, 46.8)    | 0.0000537 (0.0000398, 0.0000701) | 0.073 (0.05541, 0.09252)   |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 15  | 5.9 (2.3, 13.2)      | 0.0000086 (0.0000033, 0.0000192) | 0.00542 (0.00208, 0.01157) | 1.6 (0.6, 3.2)       | 0.0000024 (0.0000009, 0.0000048) | 0.0032 (0.00124, 0.00636)  |
| Sumatera Utara | Breast cancer                                 | 15  | 0.2 (0.0, 0.8)       | 0.0000003 (0.0000000, 0.0000012) | 0.00022 (0.00003, 0.00080) | 4.0 (1.3, 8.9)       | 0.0000059 (0.0000020, 0.0000133) | 0.00805 (0.00277, 0.01807) |
| Sumatera Utara | Cervical cancer                               | 15  |                      |                                  |                            | 5.1 (1.8, 10.8)      | 0.0000077 (0.0000027, 0.0000161) | 0.01046 (0.00371, 0.02171) |
| Sumatera Utara | Other malignant neoplasms                     | 15  | 41.5 (29.4, 57.0)    | 0.0000604 (0.0000427, 0.0000830) | 0.03802 (0.02899, 0.04946) | 28.6 (20.5, 38.2)    | 0.0000429 (0.0000306, 0.0000573) | 0.05835 (0.04297, 0.07546) |
| Sumatera Utara | Cerebrovascular disease                       | 15  | 18.3 (11.6, 27.6)    | 0.0000267 (0.0000168, 0.0000402) | 0.01681 (0.01114, 0.02410) | 13.5 (8.4, 20.2)     | 0.0000202 (0.0000126, 0.0000302) | 0.0275 (0.01779, 0.03900)  |
| Sumatera Utara | Ischemic heart disease                        | 15  | 26.5 (17.4, 38.6)    | 0.0000385 (0.0000253, 0.0000563) | 0.02426 (0.01684, 0.03337) | 16.0 (11.0, 22.3)    | 0.000024 (0.0000165, 0.0000333)  | 0.03269 (0.02344, 0.04510) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 15  | 9.1 (5.2, 15.0)      | 0.0000132 (0.0000076, 0.0000219) | 0.00834 (0.00490, 0.01326) | 7.0 (3.9, 11.7)      | 0.0000105 (0.0000058, 0.0000175) | 0.01424 (0.00828, 0.02327) |
| Sumatera Utara | Diabetes mellitus                             | 15  | 16.6 (9.2, 27.5)     | 0.0000241 (0.0000134, 0.0000400) | 0.01519 (0.00877, 0.02472) | 15.0 (8.8, 24.5)     | 0.0000225 (0.0000132, 0.0000367) | 0.03062 (0.01791, 0.04876) |
| Sumatera Utara | Chronic kidney disease                        | 15  | 21.2 (13.8, 30.8)    | 0.0000309 (0.0000201, 0.0000448) | 0.01946 (0.01324, 0.02767) | 14.6 (9.7, 21.6)     | 0.0000219 (0.0000146, 0.0000323) | 0.02986 (0.01973, 0.04351) |
| Sumatera Utara | Cirrhosis                                     | 15  | 33.2 (21.7, 49.9)    | 0.0000484 (0.0000316, 0.0000726) | 0.03043 (0.02155, 0.04336) | 11.9 (8.0, 17.4)     | 0.0000178 (0.0000119, 0.0000261) | 0.02422 (0.01648, 0.03485) |
| Sumatera Utara | Chronic respiratory diseases                  | 15  | 25.8 (16.7, 37.2)    | 0.0000376 (0.0000244, 0.0000542) | 0.02366 (0.01611, 0.03235) | 9.4 (5.9, 13.6)      | 0.0000141 (0.0000089, 0.0000204) | 0.01917 (0.01240, 0.02715) |
| Sumatera Utara | Other non-communicable diseases               | 15  | 110.2 (86.5, 139.1)  | 0.0001603 (0.0001260, 0.0002024) | 0.10105 (0.08512, 0.11825) | 76.2 (60.9, 93.7)    | 0.0001141 (0.0000913, 0.0001404) | 0.15513 (0.13209, 0.17944) |
| Sumatera Utara | Drowning                                      | 15  | 31.2 (18.7, 46.2)    | 0.0000455 (0.0000273, 0.0000672) | 0.02866 (0.01803, 0.04211) | 6.9 (4.0, 10.9)      | 0.0000104 (0.0000060, 0.0000163) | 0.0141 (0.00823, 0.02225)  |
| Sumatera Utara | Falls                                         | 15  | 13.8 (8.5, 21.7)     | 0.0000201 (0.0000124, 0.0000315) | 0.01269 (0.00830, 0.01985) | 4.2 (2.5, 6.9)       | 0.0000063 (0.0000038, 0.0000103) | 0.00858 (0.00524, 0.01397) |
| Sumatera Utara | Interpersonal violence                        | 15  | 12.9 (7.9, 19.1)     | 0.0000187 (0.0000116, 0.0000279) | 0.01181 (0.00761, 0.01762) | 7.0 (3.9, 11.3)      | 0.0000105 (0.0000058, 0.0000169) | 0.01428 (0.00805, 0.02305) |
| Sumatera Utara | Self-harm                                     | 15  | 23.0 (13.7, 34.9)    | 0.0000335 (0.0000200, 0.0000508) | 0.02107 (0.01335, 0.03043) | 10.7 (6.4, 16.5)     | 0.000016 (0.0000096, 0.0000247)  | 0.02179 (0.01329, 0.03377) |
| Sumatera Utara | Transport injuries                            | 15  | 428.0 (347.7, 507.5) | 0.000623 (0.0005062, 0.0007388)  | 0.39242 (0.36441, 0.41852) | 134.0 (112.1, 159.6) | 0.0002007 (0.0001680, 0.0002392) | 0.27292 (0.24460, 0.30147) |
| Sumatera Utara | Other unintentional injuries                  | 15  | 45.7 (33.3, 61.0)    | 0.0000665 (0.0000485, 0.0000888) | 0.04193 (0.03219, 0.05339) | 13.9 (9.5, 19.4)     | 0.0000209 (0.0000142, 0.0000290) | 0.02837 (0.01959, 0.03906) |
| Sumatera Utara | Diarrheal diseases                            | 20  | 32.5 (19.8, 48.2)    | 0.0000549 (0.0000334, 0.0000815) | 0.02515 (0.01657, 0.03537) | 11.9 (7.6, 17.3)     | 0.00002 (0.0000119, 0.0000291)   | 0.0235 (0.01574, 0.03369)  |
| Sumatera Utara | HIV/AIDS                                      | 20  | 14.1 (6.3, 25.0)     | 0.0000238 (0.0000107, 0.0000422) | 0.01091 (0.00501, 0.01943) | 3.7 (1.6, 6.7)       | 0.0000063 (0.0000027, 0.0000112) | 0.00733 (0.00343, 0.01324) |
| Sumatera Utara | Lower respiratory infections                  | 20  | 26.8 (17.8, 38.9)    | 0.0000453 (0.0000300, 0.0000657) | 0.02071 (0.01496, 0.02776) | 5.8 (3.8, 8.4)       | 0.0000098 (0.0000065, 0.0000141) | 0.01145 (0.00777, 0.01600) |
| Sumatera Utara | Malaria                                       | 20  | 26.7 (15.4, 42.9)    | 0.0000451 (0.0000260, 0.0000725) | 0.02066 (0.01262, 0.03164) | 7.3 (3.9, 11.9)      | 0.0000123 (0.0000065, 0.0000201) | 0.01443 (0.00775, 0.02248) |
| Sumatera Utara | Tuberculosis                                  | 20  | 129.6 (97.2, 167.7)  | 0.0002189 (0.0001642, 0.0002833) | 0.10011 (0.08386, 0.11799) | 29.0 (21.8, 37.3)    | 0.0000488 (0.0000367, 0.0000627) | 0.05731 (0.04481, 0.06981) |
| Sumatera Utara | Maternal disorders                            | 20  |                      |                                  |                            | 55.2 (41.0, 72.7)    | 0.0000929 (0.0000689, 0.0001223) | 0.1089 (0.08484, 0.13742)  |
| Sumatera Utara | Other communicable diseases                   | 20  | 129.5 (95.8, 169.1)  | 0.0002188 (0.0001619, 0.0002857) | 0.1001 (0.08204, 0.12054)  | 32.3 (24.0, 41.9)    | 0.0000543 (0.0000404, 0.0000704) | 0.06367 (0.04921, 0.08051) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 20  | 5.3 (2.2, 11.4)      | 0.0000089 (0.0000037, 0.0000193) | 0.00408 (0.00171, 0.00834) | 2.4 (1.1, 4.5)       | 0.000004 (0.0000018, 0.0000076)  | 0.00473 (0.00215, 0.00878) |
| Sumatera Utara | Breast cancer                                 | 20  | 0.4 (0.1, 1.0)       | 0.0000006 (0.0000001, 0.0000018) | 0.00028 (0.00006, 0.00078) | 10.7 (5.8, 17.5)     | 0.000018 (0.0000097, 0.0000295)  | 0.02105 (0.01192, 0.03412) |
| Sumatera Utara | Cervical cancer                               | 20  |                      |                                  |                            | 10.7 (5.3, 18.4)     | 0.000018 (0.0000089, 0.0000310)  | 0.02112 (0.01079, 0.03647) |
| Sumatera Utara | Other malignant neoplasms                     | 20  | 41.2 (29.1, 56.7)    | 0.0000696 (0.0000491, 0.0000957) | 0.03183 (0.02415, 0.04036) | 28.7 (20.0, 38.8)    | 0.0000482 (0.0000336, 0.0000652) | 0.05654 (0.04103, 0.07365) |
| Sumatera Utara | Cerebrovascular disease                       | 20  | 35.7 (25.1, 48.9)    | 0.0000603 (0.0000424, 0.0000827) | 0.02762 (0.02060, 0.03546) | 20.8 (15.0, 28.0)    | 0.000035 (0.0000252, 0.0000471)  | 0.04104 (0.03110, 0.05230) |
| Sumatera Utara | Ischemic heart disease                        | 20  | 49.0 (34.3, 66.8)    | 0.0000827 (0.0000579, 0.0001128) | 0.03787 (0.02899, 0.04873) | 19.1 (13.7, 25.5)    | 0.0000322 (0.0000230, 0.0000429) | 0.03776 (0.02885, 0.04859) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 20  | 14.4 (8.8, 21.6)     | 0.0000243 (0.0000148, 0.0000366) | 0.01113 (0.00717, 0.01563) | 9.9 (6.8, 14.0)    | 0.0000167 (0.0000114, 0.0000235) | 0.01961 (0.01385, 0.02690) |
| Sumatera Utara | Diabetes mellitus                             | 20  | 16.4 (10.0, 24.7)    | 0.0000277 (0.0000168, 0.0000417) | 0.0127 (0.00798, 0.01811)  | 13.4 (8.3, 19.9)   | 0.0000225 (0.0000140, 0.0000334) | 0.02638 (0.01692, 0.03796) |
| Sumatera Utara | Chronic kidney disease                        | 20  | 33.8 (23.2, 46.9)    | 0.000057 (0.0000393, 0.0000792)  | 0.02609 (0.01916, 0.03418) | 20.9 (15.1, 28.4)  | 0.0000352 (0.0000254, 0.0000478) | 0.04129 (0.03094, 0.05504) |
| Sumatera Utara | Cirrhosis                                     | 20  | 54.3 (37.1, 74.9)    | 0.0000917 (0.0000627, 0.0001265) | 0.04194 (0.03169, 0.05327) | 17.3 (12.2, 23.5)  | 0.0000292 (0.0000205, 0.0000395) | 0.0342 (0.02555, 0.04337)  |
| Sumatera Utara | Chronic respiratory diseases                  | 20  | 57.5 (40.1, 78.3)    | 0.0000972 (0.0000678, 0.0001323) | 0.04447 (0.03359, 0.05741) | 23.2 (16.7, 30.9)  | 0.000039 (0.0000281, 0.0000519)  | 0.04578 (0.03474, 0.05957) |
| Sumatera Utara | Other non-communicable diseases               | 20  | 109.3 (81.7, 139.1)  | 0.0001846 (0.0001380, 0.0002350) | 0.0845 (0.07141, 0.09914)  | 64.0 (51.5, 78.4)  | 0.0001077 (0.0000866, 0.0001318) | 0.1264 (0.10784, 0.14632)  |
| Sumatera Utara | Drowning                                      | 20  | 24.2 (13.4, 38.1)    | 0.0000409 (0.0000226, 0.0000643) | 0.01871 (0.01100, 0.02914) | 4.0 (2.0, 6.7)     | 0.0000067 (0.0000034, 0.0000112) | 0.00786 (0.00426, 0.01318) |
| Sumatera Utara | Falls                                         | 20  | 14.4 (8.6, 22.8)     | 0.0000244 (0.0000145, 0.0000384) | 0.01115 (0.00720, 0.01711) | 3.3 (1.9, 5.2)     | 0.0000056 (0.0000032, 0.0000088) | 0.00656 (0.00390, 0.01038) |
| Sumatera Utara | Interpersonal violence                        | 20  | 15.9 (10.1, 23.7)    | 0.0000269 (0.0000171, 0.0000400) | 0.01233 (0.00837, 0.01808) | 6.8 (3.8, 11.0)    | 0.0000114 (0.0000064, 0.0000185) | 0.01339 (0.00794, 0.02089) |
| Sumatera Utara | Self-harm                                     | 20  | 24.3 (14.1, 36.3)    | 0.000041 (0.0000239, 0.0000613)  | 0.01875 (0.01209, 0.02710) | 8.9 (5.5, 14.2)    | 0.000015 (0.0000093, 0.0000239)  | 0.01759 (0.01093, 0.02731) |
| Sumatera Utara | Transport injuries                            | 20  | 385.3 (295.5, 472.2) | 0.0006508 (0.0004992, 0.0007977) | 0.29778 (0.27321, 0.32412) | 84.8 (68.4, 103.9) | 0.0001427 (0.0001150, 0.0001747) | 0.16743 (0.14537, 0.19082) |
| Sumatera Utara | Other unintentional injuries                  | 20  | 53.2 (37.6, 71.1)    | 0.0000899 (0.0000635, 0.0001201) | 0.04115 (0.03136, 0.05189) | 12.5 (8.5, 17.8)   | 0.000021 (0.0000143, 0.0000299)  | 0.02466 (0.01726, 0.03371) |
| Sumatera Utara | Diarrheal diseases                            | 25  | 47.6 (31.9, 67.5)    | 0.0000804 (0.0000539, 0.0001141) | 0.0315 (0.02229, 0.04201)  | 15.8 (10.6, 22.5)  | 0.0000267 (0.0000179, 0.0000379) | 0.02761 (0.01930, 0.03719) |
| Sumatera Utara | HIV/AIDS                                      | 25  | 27.6 (14.2, 45.6)    | 0.0000467 (0.0000239, 0.0000770) | 0.01828 (0.01009, 0.02938) | 6.7 (3.3, 11.1)    | 0.0000112 (0.0000056, 0.0000187) | 0.01159 (0.00605, 0.01849) |
| Sumatera Utara | Lower respiratory infections                  | 25  | 29.9 (20.2, 42.7)    | 0.0000504 (0.0000341, 0.0000722) | 0.01973 (0.01417, 0.02611) | 5.7 (3.7, 8.2)     | 0.0000096 (0.0000062, 0.0000138) | 0.00993 (0.00687, 0.01385) |
| Sumatera Utara | Malaria                                       | 25  | 30.4 (17.8, 48.2)    | 0.0000513 (0.0000301, 0.0000815) | 0.0201 (0.01239, 0.03025)  | 7.3 (4.2, 11.8)    | 0.0000123 (0.0000070, 0.0000198) | 0.01269 (0.00746, 0.01968) |
| Sumatera Utara | Tuberculosis                                  | 25  | 199.5 (151.6, 249.5) | 0.0003368 (0.0002560, 0.0004214) | 0.13187 (0.11280, 0.15096) | 37.3 (28.2, 47.9)  | 0.0000627 (0.0000475, 0.0000806) | 0.06499 (0.05291, 0.07882) |
| Sumatera Utara | Maternal disorders                            | 25  |                      |                                  |                            | 70.3 (51.8, 92.1)  | 0.0001183 (0.0000872, 0.0001551) | 0.1224 (0.09842, 0.14591)  |
| Sumatera Utara | Other communicable diseases                   | 25  | 140.1 (105.6, 183.9) | 0.0002366 (0.0001783, 0.0003106) | 0.09266 (0.07567, 0.11138) | 32.0 (23.2, 42.2)  | 0.0000539 (0.0000391, 0.0000711) | 0.05584 (0.04363, 0.07052) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 25  | 7.1 (3.0, 14.8)      | 0.000012 (0.0000052, 0.0000250)  | 0.00472 (0.00208, 0.00922) | 3.2 (1.7, 5.7)     | 0.0000054 (0.0000028, 0.0000096) | 0.00557 (0.00284, 0.00980) |
| Sumatera Utara | Breast cancer                                 | 25  | 0.4 (0.1, 1.0)       | 0.0000006 (0.0000002, 0.0000017) | 0.00024 (0.00007, 0.00061) | 21.0 (12.3, 31.7)  | 0.0000353 (0.0000207, 0.0000533) | 0.03652 (0.02275, 0.05264) |
| Sumatera Utara | Cervical cancer                               | 25  |                      |                                  |                            | 17.7 (9.6, 28.2)   | 0.0000298 (0.0000161, 0.0000474) | 0.03087 (0.01727, 0.04802) |
| Sumatera Utara | Other malignant neoplasms                     | 25  | 52.1 (38.8, 68.5)    | 0.0000881 (0.0000655, 0.0001157) | 0.03447 (0.02798, 0.04176) | 30.0 (20.5, 41.1)  | 0.0000504 (0.0000345, 0.0000692) | 0.05217 (0.03826, 0.06792) |
| Sumatera Utara | Cerebrovascular disease                       | 25  | 67.6 (50.9, 88.2)    | 0.0001142 (0.0000860, 0.0001489) | 0.04472 (0.03623, 0.05310) | 34.3 (26.1, 44.5)  | 0.0000578 (0.0000440, 0.0000749) | 0.05983 (0.04963, 0.07042) |
| Sumatera Utara | Ischemic heart disease                        | 25  | 105.5 (80.1, 133.4)  | 0.0001782 (0.0001353, 0.0002252) | 0.0698 (0.05950, 0.08156)  | 31.9 (24.3, 40.3)  | 0.0000537 (0.0000409, 0.0000678) | 0.05554 (0.04618, 0.06535) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 25  | 19.7 (13.4, 27.4)    | 0.0000333 (0.0000227, 0.0000463) | 0.01302 (0.00944, 0.01701) | 12.6 (9.0, 17.0)   | 0.0000212 (0.0000152, 0.0000287) | 0.02195 (0.01651, 0.02807) |
| Sumatera Utara | Diabetes mellitus                             | 25  | 29.3 (20.5, 40.3)    | 0.0000495 (0.0000346, 0.0000680) | 0.01938 (0.01435, 0.02549) | 21.0 (14.9, 28.3)  | 0.0000353 (0.0000251, 0.0000476) | 0.03658 (0.02806, 0.04729) |
| Sumatera Utara | Chronic kidney disease                        | 25  | 40.9 (30.0, 53.9)    | 0.0000691 (0.0000507, 0.0000911) | 0.02708 (0.02114, 0.03329) | 22.2 (16.5, 29.6)  | 0.0000374 (0.0000277, 0.0000499) | 0.03876 (0.03046, 0.04800) |
| Sumatera Utara | Cirrhosis                                     | 25  | 78.2 (58.0, 101.6)   | 0.0001321 (0.0000980, 0.0001715) | 0.05169 (0.04271, 0.06169) | 22.5 (16.9, 29.6)  | 0.0000379 (0.0000284, 0.0000499) | 0.03928 (0.03172, 0.04809) |
| Sumatera Utara | Chronic respiratory diseases                  | 25  | 70.9 (52.2, 92.8)    | 0.0001197 (0.0000882, 0.0001566) | 0.04688 (0.03727, 0.05695) | 28.4 (21.3, 37.7)  | 0.0000478 (0.0000358, 0.0000635) | 0.04942 (0.03957, 0.06102) |
| Sumatera Utara | Other non-communicable diseases               | 25  | 133.2 (103.4, 168.6) | 0.0002249 (0.0001746, 0.0002847) | 0.08807 (0.07620, 0.10016) | 70.2 (55.7, 87.3)  | 0.0001182 (0.0000937, 0.0001469) | 0.1224 (0.10704, 0.13760)  |
| Sumatera Utara | Drowning                                      | 25  | 15.8 (8.1, 28.3)     | 0.0000267 (0.0000136, 0.0000478) | 0.01043 (0.00569, 0.01753) | 2.4 (1.2, 4.2)     | 0.000004 (0.0000020, 0.0000071)  | 0.00411 (0.00211, 0.00702) |
| Sumatera Utara | Falls                                         | 25  | 20.7 (12.6, 31.9)    | 0.000035 (0.0000213, 0.0000539)  | 0.01372 (0.00888, 0.02051) | 4.3 (2.5, 6.7)     | 0.0000072 (0.0000043, 0.0000112) | 0.00748 (0.00458, 0.01125) |
| Sumatera Utara | Interpersonal violence                        | 25  | 17.3 (11.3, 25.4)    | 0.0000292 (0.0000191, 0.0000428) | 0.01143 (0.00783, 0.01616) | 6.2 (3.5, 9.6)     | 0.0000105 (0.0000059, 0.0000162) | 0.01083 (0.00649, 0.01624) |
| Sumatera Utara | Self-harm                                     | 25  | 24.6 (14.7, 36.5)    | 0.0000416 (0.0000248, 0.0000617) | 0.01628 (0.01049, 0.02293) | 7.5 (4.6, 11.8)    | 0.0000127 (0.0000077, 0.0000198) | 0.01315 (0.00841, 0.01947) |
| Sumatera Utara | Transport injuries                            | 25  | 287.4 (223.6, 355.1) | 0.0004854 (0.0003775, 0.0005997) | 0.19002 (0.16763, 0.21447) | 49.9 (37.9, 63.6)  | 0.000084 (0.0000638, 0.0001072)  | 0.08694 (0.07252, 0.10256) |
| Sumatera Utara | Other unintentional injuries                  | 25  | 66.3 (48.4, 89.8)    | 0.000112 (0.0000818, 0.0001516)  | 0.04389 (0.03412, 0.05513) | 13.5 (9.0, 19.4)   | 0.0000228 (0.0000151, 0.0000327) | 0.02355 (0.01718, 0.03156) |
| Sumatera Utara | Diarrheal diseases                            | 30  | 48.1 (33.1, 67.6)    | 0.0000907 (0.0000624, 0.0001275) | 0.03142 (0.02253, 0.04209) | 19.1 (13.0, 26.9)  | 0.0000362 (0.0000247, 0.0000510) | 0.03069 (0.02248, 0.04070) |
| Sumatera Utara | HIV/AIDS                                      | 30  | 26.6 (14.5, 43.8)    | 0.0000501 (0.0000273, 0.0000826) | 0.01737 (0.00963, 0.02735) | 7.7 (4.0, 12.7)    | 0.0000146 (0.0000076, 0.0000241) | 0.01239 (0.00684, 0.01918) |
| Sumatera Utara | Lower respiratory infections                  | 30  | 26.0 (17.8, 37.3)    | 0.0000491 (0.0000335, 0.0000703) | 0.01698 (0.01217, 0.02310) | 6.1 (4.1, 8.7)     | 0.0000116 (0.0000078, 0.0000166) | 0.00984 (0.00658, 0.01349) |
| Sumatera Utara | Malaria                                       | 30  | 24.0 (14.2, 38.4)    | 0.0000453 (0.0000268, 0.0000723) | 0.01568 (0.00982, 0.02378) | 6.3 (3.6, 10.3)    | 0.0000121 (0.0000068, 0.0000196) | 0.01021 (0.00615, 0.01556) |
| Sumatera Utara | Tuberculosis                                  | 30  | 192.8 (149.0, 240.2) | 0.0003634 (0.0002809, 0.0004527) | 0.12583 (0.10898, 0.14341) | 40.5 (31.0, 53.0)  | 0.000077 (0.0000588, 0.0001007)  | 0.06527 (0.05368, 0.07772) |
| Sumatera Utara | Maternal disorders                            | 30  |                      |                                  |                            | 51.7 (37.4, 68.7)  | 0.0000983 (0.0000710, 0.0001305) | 0.08328 (0.06639, 0.10197) |
| Sumatera Utara | Other communicable diseases                   | 30  | 88.3 (63.9, 119.7)   | 0.0001665 (0.0001203, 0.0002257) | 0.0576 (0.04552, 0.07230)  | 24.5 (17.1, 34.1)  | 0.0000466 (0.0000324, 0.0000648) | 0.03947 (0.02933, 0.05077) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 30  | 12.2 (5.9, 21.8)     | 0.000023 (0.0000112, 0.0000411)  | 0.00796 (0.00395, 0.01386) | 3.5 (1.9, 6.1)     | 0.0000066 (0.0000036, 0.0000116) | 0.00562 (0.00320, 0.00946) |
| Sumatera Utara | Breast cancer                                 | 30  | 0.5 (0.1, 1.3)       | 0.0000009 (0.0000002, 0.0000024) | 0.0003 (0.00008, 0.00085)  | 31.7 (20.9, 44.7)  | 0.0000603 (0.0000396, 0.0000848) | 0.05109 (0.03657, 0.06811) |
| Sumatera Utara | Cervical cancer                               | 30  |                      |                                  |                            | 24.6 (14.9, 36.5)  | 0.0000467 (0.0000283, 0.0000692) | 0.03957 (0.02594, 0.05639) |
| Sumatera Utara | Other malignant neoplasms                     | 30  | 63.1 (47.1, 80.6)    | 0.0001189 (0.0000887, 0.0001520) | 0.04117 (0.03378, 0.04941) | 29.4 (20.2, 40.2)  | 0.0000557 (0.0000384, 0.0000764) | 0.04724 (0.03541, 0.06005) |
| Sumatera Utara | Cerebrovascular disease                       | 30  | 104.6 (80.7, 133.5)  | 0.0001971 (0.0001521, 0.0002516) | 0.06823 (0.05860, 0.07854) | 53.8 (41.6, 68.7)  | 0.0001021 (0.0000790, 0.0001305) | 0.08655 (0.07522, 0.09817) |
| Sumatera Utara | Ischemic heart disease                        | 30  | 156.2 (120.7, 197.8) | 0.0002943 (0.0002275, 0.0003728) | 0.10185 (0.08974, 0.11437) | 45.2 (34.8, 57.4)  | 0.0000858 (0.0000660, 0.0001090) | 0.07272 (0.06310, 0.08307) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 30  | 23.3 (16.5, 32.2)    | 0.0000439 (0.0000312, 0.0000606) | 0.01521 (0.01153, 0.01977) | 15.1 (10.7, 20.6)  | 0.0000287 (0.0000203, 0.0000391) | 0.02433 (0.01907, 0.03083) |
| Sumatera Utara | Diabetes mellitus                             | 30  | 47.5 (35.0, 63.2)    | 0.0000894 (0.0000659, 0.0001191) | 0.03097 (0.02474, 0.03851) | 33.0 (24.3, 43.2)  | 0.0000626 (0.0000462, 0.0000820) | 0.05307 (0.04286, 0.06431) |
| Sumatera Utara | Chronic kidney disease                        | 30  | 44.3 (32.5, 58.5)    | 0.0000836 (0.0000612, 0.0001102) | 0.02893 (0.02274, 0.03521) | 23.1 (16.9, 31.1)  | 0.0000439 (0.0000321, 0.0000590) | 0.0372 (0.02923, 0.04537)  |
| Sumatera Utara | Cirrhosis                                     | 30  | 99.0 (72.7, 129.1)   | 0.0001866 (0.0001370, 0.0002433) | 0.06455 (0.05360, 0.07691) | 29.1 (21.5, 38.8)  | 0.0000552 (0.0000408, 0.0000738) | 0.04679 (0.03831, 0.05595) |
| Sumatera Utara | Chronic respiratory diseases                  | 30  | 69.7 (50.3, 93.1)    | 0.0001314 (0.0000947, 0.0001755) | 0.04547 (0.03607, 0.05508) | 28.5 (21.2, 38.3)  | 0.0000541 (0.0000402, 0.0000726) | 0.04585 (0.03688, 0.05560) |
| Sumatera Utara | Other non-communicable diseases               | 30  | 134.8 (103.5, 171.2) | 0.0002541 (0.0001950, 0.0003227) | 0.08796 (0.07646, 0.09981) | 72.2 (56.7, 91.3)  | 0.0001371 (0.0001077, 0.0001733) | 0.11627 (0.10251, 0.12914) |
| Sumatera Utara | Drowning                                      | 30  | 16.3 (9.0, 26.5)     | 0.0000306 (0.0000170, 0.0000499) | 0.01062 (0.00611, 0.01703) | 2.9 (1.5, 4.8)     | 0.0000055 (0.0000029, 0.0000092) | 0.00468 (0.00257, 0.00773) |
| Sumatera Utara | Falls                                         | 30  | 23.3 (14.4, 35.3)    | 0.0000439 (0.0000272, 0.0000666) | 0.0152 (0.00993, 0.02237)  | 5.5 (3.3, 8.4)     | 0.0000104 (0.0000064, 0.0000160) | 0.00883 (0.00561, 0.01339) |
| Sumatera Utara | Interpersonal violence                        | 30  | 13.4 (8.3, 19.5)     | 0.0000253 (0.0000156, 0.0000367) | 0.00878 (0.00566, 0.01258) | 4.8 (2.8, 7.6)     | 0.0000091 (0.0000053, 0.0000144) | 0.00775 (0.00457, 0.01188) |
| Sumatera Utara | Self-harm                                     | 30  | 19.0 (11.2, 27.9)    | 0.0000358 (0.0000212, 0.0000526) | 0.01239 (0.00799, 0.01766) | 5.7 (3.4, 8.7)     | 0.0000108 (0.0000065, 0.0000166) | 0.00914 (0.00580, 0.01381) |
| Sumatera Utara | Transport injuries                            | 30  | 240.6 (184.0, 304.6) | 0.0004535 (0.0003467, 0.0005740) | 0.15689 (0.13808, 0.17878) | 44.5 (33.9, 58.3)  | 0.0000845 (0.0000644, 0.0001107) | 0.07168 (0.05987, 0.08512) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Other unintentional injuries                  | 30  | 59.2 (42.5, 79.7)    | 0.0001115 (0.0000802, 0.0001501) | 0.03865 (0.02947, 0.04843) | 12.7 (8.7, 18.4)     | 0.0000241 (0.0000166, 0.0000349) | 0.02046 (0.01474, 0.02713) |
| Sumatera Utara | Diarrheal diseases                            | 35  | 42.6 (29.2, 60.5)    | 0.0000887 (0.0000609, 0.0001258) | 0.02393 (0.01700, 0.03290) | 24.9 (16.9, 35.9)    | 0.0000515 (0.0000348, 0.0000741) | 0.02943 (0.02143, 0.03964) |
| Sumatera Utara | HIV/AIDS                                      | 35  | 23.1 (12.4, 38.3)    | 0.000048 (0.0000257, 0.0000796)  | 0.01295 (0.00726, 0.02119) | 9.6 (4.9, 17.2)      | 0.0000199 (0.0000101, 0.0000355) | 0.01133 (0.00620, 0.01904) |
| Sumatera Utara | Lower respiratory infections                  | 35  | 27.2 (18.4, 39.1)    | 0.0000566 (0.0000384, 0.0000814) | 0.01523 (0.01122, 0.02029) | 9.3 (6.2, 13.4)      | 0.0000193 (0.0000129, 0.0000277) | 0.01103 (0.00782, 0.01479) |
| Sumatera Utara | Malaria                                       | 35  | 21.8 (12.9, 34.7)    | 0.0000453 (0.0000269, 0.0000723) | 0.01221 (0.00748, 0.01843) | 8.2 (4.8, 13.2)      | 0.000017 (0.0000100, 0.0000272)  | 0.00973 (0.00576, 0.01461) |
| Sumatera Utara | Tuberculosis                                  | 35  | 206.5 (159.1, 260.6) | 0.0004299 (0.0003312, 0.0005424) | 0.11584 (0.10091, 0.13191) | 61.8 (46.8, 81.3)    | 0.0001277 (0.0000966, 0.0001679) | 0.07303 (0.06076, 0.08679) |
| Sumatera Utara | Maternal disorders                            | 35  |                      |                                  |                            | 31.5 (20.7, 45.8)    | 0.0000651 (0.0000428, 0.0000946) | 0.03717 (0.02598, 0.04894) |
| Sumatera Utara | Other communicable diseases                   | 35  | 78.6 (56.4, 104.5)   | 0.0001637 (0.0001174, 0.0002174) | 0.04411 (0.03429, 0.05499) | 32.4 (23.6, 44.0)    | 0.0000669 (0.0000488, 0.0000909) | 0.03827 (0.02922, 0.04848) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 35  | 11.4 (5.7, 20.1)     | 0.0000238 (0.0000118, 0.0000418) | 0.00641 (0.00324, 0.01084) | 5.1 (2.9, 8.5)       | 0.0000105 (0.0000060, 0.0000175) | 0.00602 (0.00356, 0.00967) |
| Sumatera Utara | Breast cancer                                 | 35  | 0.8 (0.2, 2.3)       | 0.0000018 (0.0000005, 0.0000048) | 0.00047 (0.00012, 0.00126) | 51.7 (36.7, 69.9)    | 0.0001067 (0.0000759, 0.0001443) | 0.06098 (0.04741, 0.07690) |
| Sumatera Utara | Cervical cancer                               | 35  |                      |                                  |                            | 38.1 (25.1, 54.8)    | 0.0000786 (0.0000518, 0.0001131) | 0.04496 (0.03081, 0.06114) |
| Sumatera Utara | Other malignant neoplasms                     | 35  | 89.0 (67.0, 114.2)   | 0.0001852 (0.0001394, 0.0002377) | 0.04993 (0.04201, 0.05895) | 35.0 (24.6, 48.7)    | 0.0000723 (0.0000507, 0.0001005) | 0.04134 (0.03165, 0.05197) |
| Sumatera Utara | Cerebrovascular disease                       | 35  | 171.8 (136.5, 216.9) | 0.0003576 (0.0002842, 0.0004516) | 0.09636 (0.08540, 0.10854) | 98.3 (76.2, 125.9)   | 0.000203 (0.0001574, 0.0002600)  | 0.11604 (0.10375, 0.12864) |
| Sumatera Utara | Ischemic heart disease                        | 35  | 232.7 (182.1, 291.1) | 0.0004843 (0.0003789, 0.0006059) | 0.13053 (0.11673, 0.14507) | 76.6 (59.1, 99.0)    | 0.0001582 (0.0001221, 0.0002045) | 0.09041 (0.07891, 0.10135) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 35  | 31.3 (23.2, 42.6)    | 0.0000651 (0.0000483, 0.0000886) | 0.01756 (0.01370, 0.02210) | 22.2 (16.1, 29.9)    | 0.0000459 (0.0000332, 0.0000617) | 0.02624 (0.02067, 0.03262) |
| Sumatera Utara | Diabetes mellitus                             | 35  | 91.5 (68.2, 119.5)   | 0.0001905 (0.0001419, 0.0002487) | 0.05135 (0.04244, 0.06116) | 68.0 (50.8, 88.4)    | 0.0001404 (0.0001050, 0.0001826) | 0.08023 (0.06743, 0.09331) |
| Sumatera Utara | Chronic kidney disease                        | 35  | 54.9 (40.5, 73.0)    | 0.0001143 (0.0000844, 0.0001519) | 0.03079 (0.02454, 0.03768) | 30.7 (22.5, 41.3)    | 0.0000634 (0.0000465, 0.0000853) | 0.03623 (0.02903, 0.04415) |
| Sumatera Utara | Cirrhosis                                     | 35  | 127.1 (95.0, 164.0)  | 0.0002646 (0.0001976, 0.0003414) | 0.07128 (0.06041, 0.08491) | 40.9 (30.5, 54.9)    | 0.0000845 (0.0000631, 0.0001134) | 0.04831 (0.03981, 0.05793) |
| Sumatera Utara | Chronic respiratory diseases                  | 35  | 86.3 (64.1, 112.4)   | 0.0001797 (0.0001335, 0.0002339) | 0.04839 (0.03963, 0.05817) | 36.8 (27.2, 48.9)    | 0.000076 (0.0000561, 0.0001011)  | 0.04342 (0.03555, 0.05215) |
| Sumatera Utara | Other non-communicable diseases               | 35  | 145.5 (113.0, 184.9) | 0.0003029 (0.0002352, 0.0003849) | 0.08163 (0.07148, 0.09230) | 86.4 (67.7, 111.0)   | 0.0001785 (0.0001398, 0.0002292) | 0.10202 (0.09048, 0.11368) |
| Sumatera Utara | Drowning                                      | 35  | 20.6 (11.8, 33.3)    | 0.0000428 (0.0000246, 0.0000692) | 0.01156 (0.00686, 0.01799) | 4.4 (2.4, 7.6)       | 0.0000091 (0.0000049, 0.0000156) | 0.0052 (0.00285, 0.00880)  |
| Sumatera Utara | Falls                                         | 35  | 24.1 (15.1, 35.7)    | 0.0000503 (0.0000315, 0.0000742) | 0.01354 (0.00881, 0.01922) | 6.7 (3.9, 10.5)      | 0.0000138 (0.0000081, 0.0000218) | 0.0079 (0.00485, 0.01171)  |
| Sumatera Utara | Interpersonal violence                        | 35  | 12.4 (7.6, 18.4)     | 0.0000259 (0.0000159, 0.0000383) | 0.00697 (0.00440, 0.01019) | 5.0 (2.8, 8.1)       | 0.0000103 (0.0000057, 0.0000167) | 0.00589 (0.00342, 0.00914) |
| Sumatera Utara | Self-harm                                     | 35  | 19.0 (11.5, 28.9)    | 0.0000395 (0.0000239, 0.0000602) | 0.01065 (0.00677, 0.01576) | 6.3 (3.7, 9.7)       | 0.0000131 (0.0000077, 0.0000199) | 0.00746 (0.00449, 0.01096) |
| Sumatera Utara | Transport injuries                            | 35  | 205.7 (156.2, 261.6) | 0.0004283 (0.0003252, 0.0005445) | 0.11536 (0.09906, 0.13238) | 42.7 (31.3, 57.1)    | 0.0000881 (0.0000647, 0.0001179) | 0.05039 (0.04078, 0.06013) |
| Sumatera Utara | Other unintentional injuries                  | 35  | 58.6 (42.4, 78.3)    | 0.0001221 (0.0000883, 0.0001630) | 0.03294 (0.02510, 0.04172) | 14.4 (9.9, 20.6)     | 0.0000297 (0.0000204, 0.0000425) | 0.01698 (0.01250, 0.02249) |
| Sumatera Utara | Diarrheal diseases                            | 40  | 48.9 (33.4, 67.4)    | 0.000114 (0.0000779, 0.0001571)  | 0.02163 (0.01591, 0.02795) | 33.3 (23.8, 46.0)    | 0.000076 (0.0000542, 0.0001049)  | 0.02955 (0.02249, 0.03740) |
| Sumatera Utara | HIV/AIDS                                      | 40  | 12.4 (6.3, 22.7)     | 0.0000288 (0.0000146, 0.0000528) | 0.00545 (0.00296, 0.00972) | 6.1 (3.0, 11.2)      | 0.0000138 (0.0000067, 0.0000256) | 0.00536 (0.00282, 0.00936) |
| Sumatera Utara | Lower respiratory infections                  | 40  | 26.9 (19.2, 38.5)    | 0.0000628 (0.0000447, 0.0000897) | 0.0119 (0.00906, 0.01536)  | 11.7 (8.1, 16.6)     | 0.0000268 (0.0000186, 0.0000379) | 0.0104 (0.00757, 0.01382)  |
| Sumatera Utara | Malaria                                       | 40  | 23.3 (14.0, 37.7)    | 0.0000543 (0.0000326, 0.0000880) | 0.0103 (0.00652, 0.01543)  | 9.7 (5.7, 15.3)      | 0.0000222 (0.0000129, 0.0000350) | 0.00862 (0.00520, 0.01310) |
| Sumatera Utara | Tuberculosis                                  | 40  | 192.3 (149.1, 242.4) | 0.0004483 (0.0003477, 0.0005651) | 0.08504 (0.07390, 0.09679) | 69.6 (53.4, 89.7)    | 0.0001587 (0.0001217, 0.0002046) | 0.06165 (0.05231, 0.07189) |
| Sumatera Utara | Maternal disorders                            | 40  |                      |                                  |                            | 9.5 (5.3, 15.5)      | 0.0000217 (0.0000120, 0.0000353) | 0.0084 (0.00500, 0.01308)  |
| Sumatera Utara | Other communicable diseases                   | 40  | 80.4 (58.6, 108.5)   | 0.0001875 (0.0001367, 0.0002529) | 0.03557 (0.02769, 0.04396) | 39.3 (28.7, 53.2)    | 0.0000897 (0.0000655, 0.0001214) | 0.03484 (0.02696, 0.04340) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 40  | 23.5 (13.9, 37.5)    | 0.0000548 (0.0000323, 0.0000873) | 0.01039 (0.00644, 0.01590) | 6.7 (4.0, 11.1)      | 0.0000153 (0.0000090, 0.0000252) | 0.00595 (0.00375, 0.00900) |
| Sumatera Utara | Breast cancer                                 | 40  | 1.9 (0.7, 4.6)       | 0.0000045 (0.0000016, 0.0000108) | 0.00085 (0.00029, 0.00196) | 71.7 (51.9, 98.1)    | 0.0001635 (0.0001182, 0.0002238) | 0.06354 (0.04974, 0.07908) |
| Sumatera Utara | Cervical cancer                               | 40  |                      |                                  |                            | 48.0 (32.6, 68.1)    | 0.0001095 (0.0000744, 0.0001552) | 0.04254 (0.02976, 0.05819) |
| Sumatera Utara | Other malignant neoplasms                     | 40  | 140.3 (108.5, 178.7) | 0.0003271 (0.0002529, 0.0004165) | 0.06208 (0.05309, 0.07142) | 39.9 (28.0, 54.7)    | 0.0000911 (0.0000637, 0.0001247) | 0.03537 (0.02706, 0.04498) |
| Sumatera Utara | Cerebrovascular disease                       | 40  | 290.5 (233.6, 363.3) | 0.0006772 (0.0005447, 0.0008470) | 0.12847 (0.11642, 0.14097) | 169.1 (132.5, 212.9) | 0.0003856 (0.0003020, 0.0004853) | 0.14975 (0.13728, 0.16303) |
| Sumatera Utara | Ischemic heart disease                        | 40  | 352.5 (279.7, 437.4) | 0.0008218 (0.0006521, 0.0010197) | 0.15589 (0.14120, 0.17045) | 128.1 (100.4, 163.4) | 0.0002922 (0.0002290, 0.0003725) | 0.11347 (0.10136, 0.12528) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 40  | 49.0 (36.9, 64.7)    | 0.0001143 (0.0000861, 0.0001508) | 0.02169 (0.01720, 0.02658) | 33.0 (24.2, 43.8)    | 0.0000752 (0.0000551, 0.0001000) | 0.02923 (0.02354, 0.03551) |
| Sumatera Utara | Diabetes mellitus                             | 40  | 202.9 (157.6, 257.5) | 0.0004729 (0.0003673, 0.0006002) | 0.08974 (0.07828, 0.10300) | 143.8 (111.3, 182.4) | 0.0003279 (0.0002537, 0.0004158) | 0.12737 (0.11118, 0.14439) |
| Sumatera Utara | Chronic kidney disease                        | 40  | 75.6 (57.3, 99.5)    | 0.0001762 (0.0001336, 0.0002319) | 0.03342 (0.02710, 0.04051) | 40.4 (29.7, 54.1)    | 0.0000922 (0.0000677, 0.0001234) | 0.03581 (0.02909, 0.04355) |
| Sumatera Utara | Cirrhosis                                     | 40  | 168.0 (128.6, 216.8) | 0.0003917 (0.0002998, 0.0005054) | 0.07426 (0.06349, 0.08631) | 53.9 (40.7, 70.9)    | 0.0001229 (0.0000927, 0.0001617) | 0.04777 (0.03979, 0.05656) |
| Sumatera Utara | Chronic respiratory diseases                  | 40  | 117.1 (89.1, 152.8)  | 0.000273 (0.0002077, 0.0003562)  | 0.05177 (0.04346, 0.06066) | 45.0 (33.9, 59.1)    | 0.0001026 (0.0000772, 0.0001349) | 0.03987 (0.03328, 0.04731) |
| Sumatera Utara | Other non-communicable diseases               | 40  | 171.9 (134.5, 214.4) | 0.0004007 (0.0003135, 0.0004997) | 0.07603 (0.06741, 0.08558) | 100.8 (79.3, 128.7)  | 0.0002299 (0.0001809, 0.0002935) | 0.08932 (0.07900, 0.09997) |
| Sumatera Utara | Drowning                                      | 40  | 11.2 (6.0, 19.2)     | 0.0000261 (0.0000140, 0.0000447) | 0.00495 (0.00283, 0.00842) | 2.7 (1.4, 4.8)       | 0.0000061 (0.0000031, 0.0000109) | 0.00238 (0.00131, 0.00424) |
| Sumatera Utara | Falls                                         | 40  | 21.8 (14.2, 31.9)    | 0.0000509 (0.0000331, 0.0000744) | 0.00966 (0.00656, 0.01354) | 6.6 (4.0, 9.9)       | 0.0000151 (0.0000092, 0.0000227) | 0.00585 (0.00381, 0.00839) |
| Sumatera Utara | Interpersonal violence                        | 40  | 10.2 (5.7, 15.5)     | 0.0000238 (0.0000133, 0.0000360) | 0.00452 (0.00267, 0.00657) | 4.1 (2.2, 6.6)       | 0.0000093 (0.0000050, 0.0000150) | 0.00359 (0.00198, 0.00560) |
| Sumatera Utara | Self-harm                                     | 40  | 17.8 (10.8, 28.0)    | 0.0000414 (0.0000252, 0.0000652) | 0.00784 (0.00499, 0.01179) | 5.8 (3.4, 9.0)       | 0.0000131 (0.0000077, 0.0000205) | 0.0051 (0.00313, 0.00786)  |
| Sumatera Utara | Transport injuries                            | 40  | 173.8 (130.2, 226.5) | 0.0004051 (0.0003034, 0.0005281) | 0.07681 (0.06435, 0.08967) | 37.6 (27.4, 49.8)    | 0.0000857 (0.0000625, 0.0001136) | 0.0333 (0.02642, 0.04110)  |
| Sumatera Utara | Other unintentional injuries                  | 40  | 49.1 (35.2, 67.8)    | 0.0001145 (0.0000821, 0.0001580) | 0.02174 (0.01661, 0.02831) | 12.4 (8.4, 18.0)     | 0.0000283 (0.0000191, 0.0000410) | 0.01099 (0.00795, 0.01478) |
| Sumatera Utara | Diarrheal diseases                            | 45  | 51.1 (36.1, 71.3)    | 0.000138 (0.0000975, 0.0001926)  | 0.01865 (0.01401, 0.02424) | 43.0 (30.9, 57.3)    | 0.0001129 (0.0000812, 0.0001505) | 0.02711 (0.02103, 0.03405) |
| Sumatera Utara | HIV/AIDS                                      | 45  | 6.6 (3.3, 12.9)      | 0.000018 (0.0000088, 0.0000348)  | 0.00243 (0.00122, 0.00463) | 4.0 (2.0, 8.0)       | 0.0000106 (0.0000052, 0.0000211) | 0.00255 (0.00127, 0.00485) |
| Sumatera Utara | Lower respiratory infections                  | 45  | 33.7 (24.1, 47.2)    | 0.000091 (0.0000651, 0.0001275)  | 0.01228 (0.00930, 0.01553) | 18.8 (13.3, 26.3)    | 0.0000494 (0.0000351, 0.0000693) | 0.01186 (0.00883, 0.01558) |
| Sumatera Utara | Malaria                                       | 45  | 21.3 (13.0, 33.4)    | 0.0000574 (0.0000350, 0.0000901) | 0.00776 (0.00486, 0.01144) | 10.5 (6.1, 16.9)     | 0.0000275 (0.0000161, 0.0000445) | 0.0066 (0.00410, 0.01022)  |
| Sumatera Utara | Tuberculosis                                  | 45  | 215.2 (165.9, 268.9) | 0.0005811 (0.0004480, 0.0007262) | 0.07853 (0.06958, 0.08837) | 95.0 (75.0, 122.1)   | 0.0002496 (0.0001971, 0.0003209) | 0.05991 (0.05140, 0.06919) |
| Sumatera Utara | Maternal disorders                            | 45  |                      |                                  |                            | 2.0 (0.9, 3.8)       | 0.0000054 (0.0000024, 0.0000100) | 0.00129 (0.00060, 0.00228) |
| Sumatera Utara | Other communicable diseases                   | 45  | 72.1 (52.3, 98.1)    | 0.0001946 (0.0001412, 0.0002649) | 0.0263 (0.02058, 0.03328)  | 44.0 (32.1, 59.6)    | 0.0001157 (0.0000843, 0.0001565) | 0.02777 (0.02170, 0.03487) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 45  | 31.5 (19.9, 47.2)    | 0.0000851 (0.0000537, 0.0001275) | 0.0115 (0.00761, 0.01658)  | 9.4 (5.9, 15.5)      | 0.0000247 (0.0000154, 0.0000408) | 0.00592 (0.00373, 0.00894) |
| Sumatera Utara | Breast cancer                                 | 45  | 2.6 (1.2, 5.4)       | 0.000007 (0.0000032, 0.0000147)  | 0.00095 (0.00043, 0.00184) | 86.8 (64.5, 117.0)   | 0.0002282 (0.0001696, 0.0003075) | 0.05478 (0.04375, 0.06703) |
| Sumatera Utara | Cervical cancer                               | 45  |                      |                                  |                            | 44.6 (29.1, 65.4)    | 0.0001172 (0.0000764, 0.0001719) | 0.02813 (0.01948, 0.03921) |
| Sumatera Utara | Other malignant neoplasms                     | 45  | 139.4 (107.8, 177.9) | 0.0003764 (0.0002912, 0.0004804) | 0.05087 (0.04314, 0.05955) | 46.2 (32.4, 62.7)    | 0.0001215 (0.0000851, 0.0001648) | 0.02916 (0.02238, 0.03679) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Cerebrovascular disease                       | 45  | 420.9 (337.3, 519.0) | 0.0013366 (0.0009108, 0.0014016) | 0.15362 (0.14177, 0.16600)  | 282.8 (226.8, 353.4) | 0.0007432 (0.0005961, 0.0009289) | 0.17835 (0.16400, 0.19187) |
| Sumatera Utara | Ischemic heart disease                        | 45  | 458.4 (368.8, 571.1) | 0.0012378 (0.0009960, 0.0015424) | 0.16732 (0.15419, 0.18053)  | 194.0 (154.4, 243.8) | 0.00051 (0.0004058, 0.0006407)   | 0.12241 (0.11043, 0.13378) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 45  | 65.2 (49.3, 86.4)    | 0.0001761 (0.0001332, 0.0002335) | 0.02381 (0.01928, 0.02894)  | 49.6 (37.4, 65.6)    | 0.0001304 (0.0000983, 0.0001724) | 0.03131 (0.02605, 0.03777) |
| Sumatera Utara | Diabetes mellitus                             | 45  | 333.4 (263.4, 414.2) | 0.0009003 (0.0007113, 0.0011187) | 0.1217 (0.10825, 0.13570)   | 264.5 (211.1, 332.9) | 0.0006953 (0.0005550, 0.0008750) | 0.16695 (0.15159, 0.18330) |
| Sumatera Utara | Chronic kidney disease                        | 45  | 84.8 (63.7, 110.4)   | 0.0002291 (0.0001721, 0.0002982) | 0.03096 (0.02493, 0.03746)  | 51.1 (37.9, 67.1)    | 0.0001342 (0.0000997, 0.0001764) | 0.03221 (0.02591, 0.03910) |
| Sumatera Utara | Cirrhosis                                     | 45  | 179.7 (137.5, 231.8) | 0.0004854 (0.0003713, 0.0006259) | 0.06558 (0.05657, 0.07606)  | 67.0 (51.2, 86.7)    | 0.0001762 (0.0001345, 0.0002278) | 0.0423 (0.03509, 0.04989)  |
| Sumatera Utara | Chronic respiratory diseases                  | 45  | 155.7 (119.1, 198.3) | 0.0004205 (0.0003216, 0.0005355) | 0.05683 (0.04856, 0.06536)  | 67.9 (52.5, 87.6)    | 0.0001786 (0.0001380, 0.0002302) | 0.04287 (0.03660, 0.05012) |
| Sumatera Utara | Other non-communicable diseases               | 45  | 178.1 (139.8, 221.3) | 0.0004811 (0.0003776, 0.0005977) | 0.06503 (0.05733, 0.07327)  | 120.0 (96.1, 150.4)  | 0.0003155 (0.0002526, 0.0003953) | 0.07573 (0.06696, 0.08457) |
| Sumatera Utara | Drowning                                      | 45  | 7.8 (3.9, 14.4)      | 0.000021 (0.0000104, 0.0000390)  | 0.00284 (0.00148, 0.00518)  | 2.4 (1.2, 4.3)       | 0.0000062 (0.0000031, 0.0000112) | 0.00149 (0.00077, 0.00259) |
| Sumatera Utara | Falls                                         | 45  | 25.1 (16.4, 37.3)    | 0.0000679 (0.0000443, 0.0001007) | 0.00918 (0.00629, 0.01303)  | 9.4 (5.9, 14.2)      | 0.0000246 (0.0000156, 0.0000373) | 0.00591 (0.00397, 0.00840) |
| Sumatera Utara | Interpersonal violence                        | 45  | 9.2 (5.0, 14.5)      | 0.0000247 (0.0000134, 0.0000392) | 0.00335 (0.00190, 0.00495)  | 4.1 (2.2, 6.7)       | 0.0000109 (0.0000058, 0.0000176) | 0.00261 (0.00140, 0.00411) |
| Sumatera Utara | Self-harm                                     | 45  | 18.1 (11.4, 27.6)    | 0.0000489 (0.0000309, 0.0000746) | 0.0066 (0.00433, 0.00968)   | 6.6 (4.0, 10.6)      | 0.0000173 (0.0000105, 0.0000278) | 0.00416 (0.00266, 0.00639) |
| Sumatera Utara | Transport injuries                            | 45  | 182.1 (137.8, 236.7) | 0.0004917 (0.0003723, 0.0006393) | 0.06642 (0.05544, 0.07842)  | 47.0 (34.9, 63.8)    | 0.0001236 (0.0000917, 0.0001677) | 0.02966 (0.02403, 0.03619) |
| Sumatera Utara | Other unintentional injuries                  | 45  | 47.9 (33.7, 66.5)    | 0.0001293 (0.0000909, 0.0001796) | 0.01748 (0.01289, 0.02260)  | 14.2 (9.7, 20.5)     | 0.0000374 (0.0000255, 0.0000540) | 0.00897 (0.00645, 0.01199) |
| Sumatera Utara | Diarrheal diseases                            | 50  | 73.2 (54.0, 96.6)    | 0.0002313 (0.0001707, 0.0003053) | 0.02076 (0.01659, 0.02617)  | 61.7 (46.0, 81.1)    | 0.0001923 (0.0001433, 0.0002528) | 0.03046 (0.02475, 0.03698) |
| Sumatera Utara | HIV/AIDS                                      | 50  | 3.1 (1.3, 6.1)       | 0.0000099 (0.0000042, 0.0000194) | 0.00089 (0.000039, 0.00177) | 1.9 (0.8, 4.0)       | 0.0000059 (0.0000025, 0.0000125) | 0.00094 (0.00041, 0.00187) |
| Sumatera Utara | Lower respiratory infections                  | 50  | 47.8 (34.7, 66.6)    | 0.000151 (0.0001097, 0.0002105)  | 0.01353 (0.01043, 0.01712)  | 27.1 (19.4, 37.3)    | 0.0000846 (0.0000604, 0.0001162) | 0.01341 (0.01038, 0.01694) |
| Sumatera Utara | Malaria                                       | 50  | 23.4 (14.5, 36.9)    | 0.0000739 (0.0000460, 0.0001165) | 0.00663 (0.00423, 0.00972)  | 11.0 (6.1, 17.7)     | 0.0000342 (0.0000190, 0.0000552) | 0.00542 (0.00318, 0.00864) |
| Sumatera Utara | Tuberculosis                                  | 50  | 262.2 (205.8, 327.8) | 0.0008289 (0.0006505, 0.0010362) | 0.07437 (0.06652, 0.08276)  | 110.7 (86.9, 143.6)  | 0.0003449 (0.0002709, 0.0004476) | 0.05465 (0.04756, 0.06258) |
| Sumatera Utara | Maternal disorders                            | 50  |                      |                                  |                             | 0.9 (0.3, 2.2)       | 0.0000027 (0.0000009, 0.0000069) | 0.00043 (0.00015, 0.00106) |
| Sumatera Utara | Other communicable diseases                   | 50  | 78.3 (56.7, 104.5)   | 0.0002474 (0.0001793, 0.0003304) | 0.0222 (0.01737, 0.02747)   | 48.7 (35.5, 66.1)    | 0.0001518 (0.0001105, 0.0002061) | 0.02404 (0.01862, 0.02974) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 50  | 41.2 (26.3, 62.6)    | 0.0001301 (0.0000832, 0.0001978) | 0.01167 (0.00772, 0.01659)  | 10.9 (6.7, 17.3)     | 0.0000338 (0.0000209, 0.0000541) | 0.00536 (0.00347, 0.00830) |
| Sumatera Utara | Breast cancer                                 | 50  | 2.6 (1.3, 4.9)       | 0.0000083 (0.0000042, 0.0000153) | 0.00074 (0.00039, 0.00134)  | 83.6 (62.6, 112.9)   | 0.0002605 (0.0001951, 0.0003520) | 0.04129 (0.03309, 0.05112) |
| Sumatera Utara | Cervical cancer                               | 50  |                      |                                  |                             | 40.9 (26.6, 61.2)    | 0.0001274 (0.0000829, 0.0001907) | 0.02018 (0.01393, 0.02798) |
| Sumatera Utara | Other malignant neoplasms                     | 50  | 134.6 (102.7, 171.8) | 0.0004254 (0.0003246, 0.0005431) | 0.03816 (0.03211, 0.04467)  | 53.0 (38.6, 72.2)    | 0.000165 (0.0001192, 0.0002250)  | 0.02615 (0.02000, 0.03306) |
| Sumatera Utara | Cerebrovascular disease                       | 50  | 632.4 (507.4, 779.0) | 0.0019988 (0.0016037, 0.0024622) | 0.17932 (0.16662, 0.19147)  | 417.7 (339.5, 526.4) | 0.0013019 (0.0010581, 0.0016408) | 0.20627 (0.19267, 0.22030) |
| Sumatera Utara | Ischemic heart disease                        | 50  | 624.4 (498.9, 774.9) | 0.0019735 (0.0015768, 0.0024494) | 0.17708 (0.16388, 0.19095)  | 251.7 (200.1, 315.8) | 0.0007844 (0.0006238, 0.0009842) | 0.1243 (0.11288, 0.13581)  |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 50  | 96.3 (73.6, 127.4)   | 0.0003042 (0.0002326, 0.0004027) | 0.0273 (0.02264, 0.03314)   | 72.1 (55.4, 94.5)    | 0.0002247 (0.0001728, 0.0002945) | 0.0356 (0.02963, 0.04286)  |
| Sumatera Utara | Diabetes mellitus                             | 50  | 492.8 (389.2, 612.8) | 0.0015576 (0.0012302, 0.0019368) | 0.13976 (0.12617, 0.15427)  | 380.0 (306.3, 483.1) | 0.0011844 (0.0009546, 0.0015058) | 0.18769 (0.17174, 0.20419) |
| Sumatera Utara | Chronic kidney disease                        | 50  | 100.2 (76.0, 129.9)  | 0.0003167 (0.0002402, 0.0004105) | 0.02842 (0.02305, 0.03404)  | 58.3 (43.9, 76.6)    | 0.0001818 (0.0001367, 0.0002388) | 0.02881 (0.02348, 0.03448) |
| Sumatera Utara | Cirrhosis                                     | 50  | 209.9 (158.5, 270.9) | 0.0006636 (0.0005010, 0.0008563) | 0.0595 (0.05043, 0.06901)   | 78.5 (60.6, 100.5)   | 0.0002447 (0.0001890, 0.0003133) | 0.0388 (0.03214, 0.04564)  |
| Sumatera Utara | Chronic respiratory diseases                  | 50  | 226.3 (175.5, 287.2) | 0.0007153 (0.0005546, 0.0009078) | 0.06417 (0.05598, 0.07323)  | 98.9 (77.0, 127.9)   | 0.0003083 (0.0002400, 0.0003985) | 0.04885 (0.04189, 0.05627) |
| Sumatera Utara | Other non-communicable diseases               | 50  | 210.6 (167.0, 260.6) | 0.0006657 (0.0005280, 0.0008236) | 0.05975 (0.05321, 0.06707)  | 140.1 (112.2, 177.7) | 0.0004367 (0.0003498, 0.0005539) | 0.06921 (0.06138, 0.07732) |
| Sumatera Utara | Drowning                                      | 50  | 6.2 (3.1, 10.6)      | 0.0000195 (0.0000099, 0.0000334) | 0.00175 (0.00092, 0.00293)  | 2.0 (1.0, 3.5)       | 0.0000062 (0.0000030, 0.0000109) | 0.00098 (0.00049, 0.00172) |
| Sumatera Utara | Falls                                         | 50  | 31.4 (21.1, 44.4)    | 0.0000993 (0.0000666, 0.0001403) | 0.00891 (0.00633, 0.01217)  | 12.1 (7.9, 17.4)     | 0.0000376 (0.0000247, 0.0000542) | 0.00595 (0.00412, 0.00823) |
| Sumatera Utara | Interpersonal violence                        | 50  | 8.1 (4.5, 12.5)      | 0.0000256 (0.0000141, 0.0000394) | 0.0023 (0.00133, 0.00348)   | 3.4 (1.9, 5.5)       | 0.0000107 (0.0000060, 0.0000171) | 0.0017 (0.00096, 0.00263)  |
| Sumatera Utara | Self-harm                                     | 50  | 18.0 (11.2, 27.8)    | 0.0000568 (0.0000355, 0.0000879) | 0.00509 (0.00336, 0.00753)  | 6.1 (3.6, 9.6)       | 0.0000189 (0.0000113, 0.0000300) | 0.00299 (0.00185, 0.00454) |
| Sumatera Utara | Transport injuries                            | 50  | 159.8 (121.5, 205.7) | 0.000505 (0.0003839, 0.0006501)  | 0.04529 (0.03789, 0.05411)  | 41.0 (31.2, 54.2)    | 0.0001277 (0.0000971, 0.0001689) | 0.02023 (0.01626, 0.02445) |
| Sumatera Utara | Other unintentional injuries                  | 50  | 43.8 (31.0, 61.3)    | 0.0001386 (0.0000981, 0.0001937) | 0.01244 (0.00916, 0.01619)  | 12.7 (8.8, 18.6)     | 0.0000397 (0.0000274, 0.0000580) | 0.00628 (0.00456, 0.00843) |
| Sumatera Utara | Diarrheal diseases                            | 55  | 76.7 (56.1, 100.6)   | 0.0003428 (0.0002508, 0.0004495) | 0.02115 (0.01677, 0.02611)  | 66.7 (49.7, 86.4)    | 0.0002948 (0.0002196, 0.0003514) | 0.03082 (0.02478, 0.03665) |
| Sumatera Utara | HIV/AIDS                                      | 55  | 1.3 (0.5, 2.8)       | 0.0000057 (0.0000020, 0.0000123) | 0.00035 (0.00013, 0.00076)  | 0.8 (0.3, 1.8)       | 0.0000035 (0.0000013, 0.0000079) | 0.00037 (0.00014, 0.00077) |
| Sumatera Utara | Lower respiratory infections                  | 55  | 46.6 (34.3, 64.8)    | 0.0002082 (0.0001533, 0.0002896) | 0.01284 (0.01004, 0.01622)  | 28.6 (20.8, 39.2)    | 0.0001262 (0.0000919, 0.0001732) | 0.01319 (0.01026, 0.01680) |
| Sumatera Utara | Malaria                                       | 55  | 23.3 (13.8, 35.8)    | 0.0001043 (0.0000619, 0.0001601) | 0.00643 (0.00411, 0.00932)  | 10.7 (6.0, 17.7)     | 0.0000471 (0.0000266, 0.0000780) | 0.00492 (0.00295, 0.00778) |
| Sumatera Utara | Tuberculosis                                  | 55  | 229.5 (179.0, 288.8) | 0.0010257 (0.0008002, 0.0012908) | 0.06328 (0.05588, 0.07203)  | 98.1 (76.8, 125.8)   | 0.0004334 (0.0003393, 0.0005559) | 0.04532 (0.03889, 0.05235) |
| Sumatera Utara | Other communicable diseases                   | 55  | 70.9 (51.3, 96.2)    | 0.0003169 (0.0002294, 0.0004299) | 0.01954 (0.01529, 0.02467)  | 46.4 (33.0, 62.6)    | 0.0002048 (0.0001457, 0.0002766) | 0.02141 (0.01646, 0.02682) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 55  | 49.4 (30.8, 73.1)    | 0.0002209 (0.0001378, 0.0003268) | 0.01362 (0.00918, 0.01940)  | 9.6 (5.9, 14.8)      | 0.0000422 (0.0000261, 0.0000656) | 0.00441 (0.00288, 0.00647) |
| Sumatera Utara | Breast cancer                                 | 55  | 2.2 (1.1, 4.1)       | 0.0000099 (0.0000050, 0.0000181) | 0.00061 (0.00032, 0.00105)  | 64.0 (47.0, 87.2)    | 0.0002827 (0.0002074, 0.0003853) | 0.02955 (0.02339, 0.03728) |
| Sumatera Utara | Cervical cancer                               | 55  |                      |                                  |                             | 30.2 (19.8, 44.3)    | 0.0001335 (0.0000875, 0.0001955) | 0.01396 (0.00947, 0.01964) |
| Sumatera Utara | Other malignant neoplasms                     | 55  | 106.4 (80.2, 135.0)  | 0.0004756 (0.0003584, 0.0006034) | 0.02934 (0.02494, 0.03452)  | 46.6 (33.1, 64.0)    | 0.0002056 (0.0001463, 0.0002828) | 0.02149 (0.01660, 0.02733) |
| Sumatera Utara | Cerebrovascular disease                       | 55  | 733.6 (587.4, 902.0) | 0.0032785 (0.0026250, 0.0040309) | 0.20224 (0.18901, 0.21598)  | 507.3 (412.1, 629.4) | 0.0022409 (0.0018203, 0.0027800) | 0.23428 (0.21994, 0.24878) |
| Sumatera Utara | Ischemic heart disease                        | 55  | 703.3 (557.9, 863.7) | 0.0031429 (0.0024932, 0.0038598) | 0.19388 (0.17965, 0.20739)  | 299.0 (240.1, 374.1) | 0.0013208 (0.0010606, 0.0016527) | 0.13808 (0.12592, 0.14931) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 55  | 110.6 (85.3, 145.2)  | 0.0004943 (0.0003814, 0.0006489) | 0.03049 (0.02537, 0.03661)  | 84.6 (64.0, 111.1)   | 0.0003736 (0.0002827, 0.0004909) | 0.03906 (0.03228, 0.04652) |
| Sumatera Utara | Diabetes mellitus                             | 55  | 528.5 (427.3, 655.1) | 0.0023619 (0.0019098, 0.0029276) | 0.1457 (0.13168, 0.16086)   | 418.8 (335.8, 533.2) | 0.0018499 (0.0014835, 0.0023554) | 0.1934 (0.17729, 0.21027)  |
| Sumatera Utara | Chronic kidney disease                        | 55  | 99.1 (75.3, 129.0)   | 0.0004429 (0.0003366, 0.0005766) | 0.02732 (0.02232, 0.03233)  | 58.5 (44.1, 76.7)    | 0.0002584 (0.0001946, 0.0003387) | 0.02702 (0.02172, 0.03266) |
| Sumatera Utara | Cirrhosis                                     | 55  | 187.3 (142.2, 242.6) | 0.0008372 (0.0006354, 0.0010842) | 0.05161 (0.04394, 0.06014)  | 74.1 (57.0, 95.9)    | 0.0003273 (0.0002519, 0.0004237) | 0.03423 (0.02852, 0.04003) |
| Sumatera Utara | Chronic respiratory diseases                  | 55  | 240.8 (188.2, 325.9) | 0.0010763 (0.0008412, 0.0013654) | 0.06639 (0.05825, 0.07497)  | 108.6 (86.7, 138.0)  | 0.0004799 (0.0003831, 0.0006094) | 0.05018 (0.04413, 0.05666) |
| Sumatera Utara | Other non-communicable diseases               | 55  | 219.3 (174.5, 271.9) | 0.0009799 (0.0007798, 0.0012150) | 0.06046 (0.05403, 0.06814)  | 151.4 (121.5, 190.2) | 0.0006688 (0.0005367, 0.0008402) | 0.06994 (0.06266, 0.07856) |
| Sumatera Utara | Drowning                                      | 55  | 4.2 (2.0, 8.0)       | 0.0000188 (0.0000088, 0.0000358) | 0.00116 (0.00057, 0.00221)  | 1.5 (0.7, 2.9)       | 0.0000067 (0.0000031, 0.0000127) | 0.0007 (0.00033, 0.00130)  |
| Sumatera Utara | Falls                                         | 55  | 32.2 (21.7, 46.8)    | 0.0001439 (0.0000970, 0.0002090) | 0.00887 (0.00631, 0.01215)  | 13.4 (8.9, 19.2)     | 0.0000593 (0.0000391, 0.0000848) | 0.00621 (0.00431, 0.00859) |
| Sumatera Utara | Interpersonal violence                        | 55  | 6.5 (3.2, 10.7)      | 0.000029 (0.0000142, 0.0000476)  | 0.00179 (0.00091, 0.00279)  | 2.7 (1.4, 4.3)       | 0.0000118 (0.0000064, 0.0000191) | 0.00124 (0.00068, 0.00193) |
| Sumatera Utara | Self-harm                                     | 55  | 16.6 (10.0, 25.5)    | 0.000074 (0.0000445, 0.0001140)  | 0.00456 (0.00292, 0.00669)  | 5.4 (3.3, 8.7)       | 0.0000237 (0.0000147, 0.0000383) | 0.00248 (0.00156, 0.00381) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                  |                                  |                            | Females                |                                  |                            |
|----------------|-----------------------------------------------|-----|------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Transport injuries                            | 55  | 103.8 (76.4, 137.4)    | 0.0004641 (0.0003412, 0.0006142) | 0.02862 (0.02275, 0.03521) | 27.9 (20.0, 38.1)      | 0.0001232 (0.0000885, 0.0001683) | 0.01288 (0.01008, 0.01606) |
| Sumatera Utara | Other unintentional injuries                  | 55  | 35.3 (23.7, 50.9)      | 0.000158 (0.0001061, 0.0002274)  | 0.00974 (0.00693, 0.01300) | 10.5 (6.8, 15.6)       | 0.0000464 (0.0000301, 0.0000691) | 0.00485 (0.00334, 0.00659) |
| Sumatera Utara | Diarrheal diseases                            | 60  | 73.7 (56.0, 95.5)      | 0.0005577 (0.0004240, 0.0007227) | 0.02113 (0.01711, 0.02578) | 68.5 (53.5, 88.4)      | 0.0004686 (0.0003661, 0.0006049) | 0.03096 (0.02547, 0.03657) |
| Sumatera Utara | HIV/AIDS                                      | 60  | 0.8 (0.2, 1.8)         | 0.0000061 (0.0000018, 0.0000139) | 0.00023 (0.00007, 0.00052) | 0.5 (0.2, 1.3)         | 0.0000037 (0.0000011, 0.0000086) | 0.00025 (0.00008, 0.00057) |
| Sumatera Utara | Lower respiratory infections                  | 60  | 54.4 (40.8, 72.5)      | 0.0004113 (0.0003090, 0.0005483) | 0.01556 (0.01225, 0.01949) | 38.5 (28.8, 51.2)      | 0.0002631 (0.0001967, 0.0003505) | 0.01738 (0.01364, 0.02187) |
| Sumatera Utara | Malaria                                       | 60  | 22.9 (13.6, 33.9)      | 0.0001732 (0.0001030, 0.0002568) | 0.00656 (0.00408, 0.00944) | 10.6 (5.9, 17.2)       | 0.0000725 (0.0000403, 0.0001178) | 0.00479 (0.00281, 0.00748) |
| Sumatera Utara | Tuberculosis                                  | 60  | 254.1 (201.0, 313.7)   | 0.0019228 (0.0015214, 0.0023745) | 0.07277 (0.06489, 0.08131) | 120.5 (96.0, 148.6)    | 0.0008239 (0.0006566, 0.0010164) | 0.05445 (0.04739, 0.06172) |
| Sumatera Utara | Other communicable diseases                   | 60  | 47.5 (33.2, 66.1)      | 0.0003591 (0.0002516, 0.0005003) | 0.01359 (0.01012, 0.01772) | 33.7 (24.1, 45.8)      | 0.0002305 (0.0001647, 0.0003132) | 0.01523 (0.01153, 0.01976) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 60  | 43.2 (28.2, 62.5)      | 0.0003272 (0.0002131, 0.0004728) | 0.01239 (0.00854, 0.01743) | 8.9 (5.5, 13.5)        | 0.0000607 (0.0000376, 0.0000926) | 0.00401 (0.00255, 0.00586) |
| Sumatera Utara | Breast cancer                                 | 60  | 2.1 (1.0, 3.8)         | 0.0000159 (0.0000074, 0.0000287) | 0.0006 (0.00030, 0.00104)  | 45.3 (32.7, 61.4)      | 0.0003099 (0.0002235, 0.0004203) | 0.02048 (0.01542, 0.02626) |
| Sumatera Utara | Cervical cancer                               | 60  |                        |                                  |                            | 24.2 (15.1, 35.9)      | 0.0001655 (0.0001036, 0.0002453) | 0.01093 (0.00722, 0.01543) |
| Sumatera Utara | Other malignant neoplasms                     | 60  | 95.2 (74.1, 119.8)     | 0.0007204 (0.0005609, 0.0009063) | 0.02727 (0.02284, 0.03188) | 43.9 (31.7, 58.1)      | 0.0003001 (0.0002165, 0.0003977) | 0.01983 (0.01550, 0.02490) |
| Sumatera Utara | Cerebrovascular disease                       | 60  | 743.4 (601.3, 903.1)   | 0.0056263 (0.0045494, 0.0068347) | 0.21292 (0.19966, 0.22610) | 551.9 (451.5, 665.4)   | 0.0037751 (0.0030883, 0.0045516) | 0.2494 (0.23530, 0.26355)  |
| Sumatera Utara | Ischemic heart disease                        | 60  | 655.8 (523.4, 800.1)   | 0.0049628 (0.0039610, 0.0060550) | 0.18782 (0.17352, 0.20056) | 317.7 (256.2, 385.8)   | 0.0021731 (0.0017525, 0.0026391) | 0.14356 (0.13180, 0.15565) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 60  | 117.7 (91.3, 155.1)    | 0.0008907 (0.0006907, 0.0011736) | 0.03371 (0.02795, 0.04015) | 90.9 (70.8, 116.0)     | 0.0006217 (0.0004843, 0.0007937) | 0.04108 (0.03410, 0.04881) |
| Sumatera Utara | Diabetes mellitus                             | 60  | 453.2 (364.1, 557.2)   | 0.0034295 (0.0027554, 0.0042172) | 0.12979 (0.11680, 0.14281) | 381.0 (310.8, 471.2)   | 0.002606 (0.0021260, 0.0032229)  | 0.17218 (0.15718, 0.18727) |
| Sumatera Utara | Chronic kidney disease                        | 60  | 88.9 (67.3, 116.6)     | 0.0006725 (0.0005092, 0.0008823) | 0.02545 (0.02060, 0.03042) | 54.5 (41.3, 69.9)      | 0.000373 (0.0002827, 0.0004781)  | 0.02465 (0.01997, 0.02999) |
| Sumatera Utara | Cirrhosis                                     | 60  | 146.2 (111.0, 186.4)   | 0.0011066 (0.0008400, 0.0014106) | 0.04186 (0.03520, 0.04959) | 62.4 (48.4, 79.5)      | 0.0004271 (0.0003314, 0.0005440) | 0.02823 (0.02347, 0.03328) |
| Sumatera Utara | Chronic respiratory diseases                  | 60  | 321.2 (255.7, 399.2)   | 0.0024307 (0.0019350, 0.0030210) | 0.09199 (0.08222, 0.10212) | 144.9 (116.5, 177.4)   | 0.0009914 (0.0007969, 0.0012136) | 0.06552 (0.05827, 0.07356) |
| Sumatera Utara | Other non-communicable diseases               | 60  | 232.2 (187.1, 286.6)   | 0.0017572 (0.0014157, 0.0021693) | 0.0665 (0.05979, 0.07461)  | 167.5 (136.6, 202.8)   | 0.0011461 (0.0009342, 0.0013871) | 0.07574 (0.06808, 0.08424) |
| Sumatera Utara | Drowning                                      | 60  | 2.4 (1.0, 4.6)         | 0.0000181 (0.0000075, 0.0000350) | 0.00069 (0.00029, 0.00131) | 1.0 (0.4, 2.0)         | 0.000007 (0.0000028, 0.0000137)  | 0.00046 (0.00020, 0.00091) |
| Sumatera Utara | Falls                                         | 60  | 21.7 (13.8, 32.0)      | 0.0001646 (0.0001041, 0.0002425) | 0.00623 (0.00419, 0.00878) | 10.4 (6.7, 14.9)       | 0.0000708 (0.0000456, 0.0001017) | 0.00468 (0.00326, 0.00653) |
| Sumatera Utara | Interpersonal violence                        | 60  | 4.3 (1.8, 7.4)         | 0.0000324 (0.0000139, 0.0000560) | 0.00123 (0.00054, 0.00209) | 1.8 (0.9, 3.1)         | 0.0000125 (0.0000061, 0.0000212) | 0.00083 (0.00044, 0.00135) |
| Sumatera Utara | Self-harm                                     | 60  | 12.6 (7.5, 19.9)       | 0.0000955 (0.0000567, 0.0001508) | 0.00361 (0.00230, 0.00549) | 4.2 (2.5, 6.8)         | 0.0000287 (0.0000171, 0.0000462) | 0.00189 (0.00118, 0.00285) |
| Sumatera Utara | Transport injuries                            | 60  | 72.9 (54.0, 96.3)      | 0.0005519 (0.0004084, 0.0007285) | 0.02089 (0.01655, 0.02569) | 21.7 (15.8, 29.2)      | 0.0001487 (0.0001079, 0.0001995) | 0.00983 (0.00758, 0.01226) |
| Sumatera Utara | Other unintentional injuries                  | 60  | 25.2 (16.4, 35.9)      | 0.0001904 (0.0001241, 0.0002713) | 0.00721 (0.00497, 0.00989) | 8.1 (5.2, 11.5)        | 0.0000555 (0.0000357, 0.0000784) | 0.00366 (0.00247, 0.00496) |
| Sumatera Utara | Diarrheal diseases                            | 65  | 113.0 (86.4, 144.5)    | 0.0012096 (0.0009242, 0.0015464) | 0.03198 (0.02645, 0.03832) | 119.8 (93.9, 151.8)    | 0.0010379 (0.0008132, 0.0013155) | 0.0455 (0.03888, 0.05331)  |
| Sumatera Utara | HIV/AIDS                                      | 65  | 0.7 (0.2, 1.6)         | 0.000008 (0.0000026, 0.0000176)  | 0.00021 (0.00007, 0.00048) | 0.6 (0.2, 1.3)         | 0.000005 (0.0000019, 0.0000111)  | 0.00022 (0.00008, 0.00048) |
| Sumatera Utara | Lower respiratory infections                  | 65  | 62.1 (45.6, 82.5)      | 0.0006646 (0.0004876, 0.0008832) | 0.01756 (0.01370, 0.02212) | 52.1 (38.9, 69.2)      | 0.0004517 (0.0003374, 0.0005994) | 0.0198 (0.01580, 0.02460)  |
| Sumatera Utara | Malaria                                       | 65  | 21.9 (12.8, 33.8)      | 0.0002344 (0.0001371, 0.0003620) | 0.00619 (0.00374, 0.00938) | 10.9 (6.1, 17.9)       | 0.0000943 (0.0000532, 0.0001550) | 0.00413 (0.00245, 0.00650) |
| Sumatera Utara | Tuberculosis                                  | 65  | 261.0 (203.6, 320.1)   | 0.0027931 (0.0022074, 0.0034258) | 0.07383 (0.06521, 0.08255) | 137.1 (108.1, 170.1)   | 0.001188 (0.0009366, 0.0014742)  | 0.05209 (0.04533, 0.05964) |
| Sumatera Utara | Other communicable diseases                   | 65  | 42.7 (29.1, 59.1)      | 0.0004573 (0.0003118, 0.0006323) | 0.01208 (0.00895, 0.01566) | 35.4 (24.9, 47.8)      | 0.0003067 (0.0002154, 0.0004145) | 0.01344 (0.01014, 0.01724) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 65  | 37.0 (23.4, 54.9)      | 0.0003963 (0.0002501, 0.0005876) | 0.01048 (0.00703, 0.01499) | 8.0 (4.9, 12.5)        | 0.0000692 (0.0000423, 0.0001084) | 0.00303 (0.00187, 0.00455) |
| Sumatera Utara | Breast cancer                                 | 65  | 1.7 (0.7, 3.7)         | 0.0000187 (0.0000072, 0.0000394) | 0.00049 (0.00019, 0.00098) | 36.2 (25.1, 50.3)      | 0.0003134 (0.0002176, 0.0004357) | 0.01374 (0.00997, 0.01811) |
| Sumatera Utara | Cervical cancer                               | 65  |                        |                                  |                            | 23.4 (14.4, 35.8)      | 0.000203 (0.0001251, 0.0003104)  | 0.0089 (0.00574, 0.01298)  |
| Sumatera Utara | Other malignant neoplasms                     | 65  | 75.1 (58.1, 95.3)      | 0.0008037 (0.0006216, 0.0010195) | 0.02124 (0.01789, 0.02510) | 47.0 (33.7, 62.6)      | 0.0004071 (0.0002917, 0.0005427) | 0.01785 (0.01400, 0.02240) |
| Sumatera Utara | Cerebrovascular disease                       | 65  | 798.0 (641.0, 967.3)   | 0.0085405 (0.0068598, 0.0103525) | 0.22567 (0.21179, 0.23940) | 703.2 (566.7, 845.6)   | 0.0060926 (0.0049103, 0.0073264) | 0.26713 (0.25204, 0.28276) |
| Sumatera Utara | Ischemic heart disease                        | 65  | 660.3 (530.7, 803.0)   | 0.0070664 (0.0056800, 0.0085942) | 0.18673 (0.17302, 0.19975) | 370.3 (293.2, 457.0)   | 0.0032082 (0.0025406, 0.0039598) | 0.14063 (0.12832, 0.15317) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 65  | 133.9 (102.4, 176.0)   | 0.0014327 (0.0010957, 0.0018831) | 0.03786 (0.03179, 0.04508) | 121.1 (92.9, 155.4)    | 0.0010489 (0.0008051, 0.0013465) | 0.04598 (0.03854, 0.05431) |
| Sumatera Utara | Diabetes mellitus                             | 65  | 376.5 (300.3, 462.9)   | 0.0040294 (0.0032138, 0.0049538) | 0.10649 (0.09484, 0.11771) | 376.1 (303.9, 461.5)   | 0.0032586 (0.0026333, 0.0039987) | 0.14289 (0.12989, 0.15700) |
| Sumatera Utara | Chronic kidney disease                        | 65  | 85.1 (63.0, 111.7)     | 0.0009105 (0.0006745, 0.0011956) | 0.02405 (0.01923, 0.02907) | 60.5 (45.2, 77.8)      | 0.000524 (0.0003915, 0.0006739)  | 0.02298 (0.01846, 0.02765) |
| Sumatera Utara | Cirrhosis                                     | 65  | 116.9 (88.3, 149.4)    | 0.0012507 (0.0009454, 0.0015989) | 0.03304 (0.02769, 0.03939) | 60.4 (46.7, 76.2)      | 0.0005238 (0.0004048, 0.0006605) | 0.02298 (0.01915, 0.02727) |
| Sumatera Utara | Chronic respiratory diseases                  | 65  | 360.5 (283.8, 443.7)   | 0.0038581 (0.0030369, 0.0047487) | 0.10194 (0.09199, 0.11241) | 191.5 (153.8, 234.7)   | 0.0016591 (0.0013323, 0.0020338) | 0.07277 (0.06503, 0.08075) |
| Sumatera Utara | Other non-communicable diseases               | 65  | 268.1 (212.4, 327.5)   | 0.0028692 (0.0022729, 0.0035053) | 0.07583 (0.06788, 0.08447) | 228.5 (186.0, 282.3)   | 0.0019794 (0.0016117, 0.0024458) | 0.08679 (0.07803, 0.09571) |
| Sumatera Utara | Drowning                                      | 65  | 1.9 (0.7, 4.1)         | 0.0000205 (0.0000080, 0.0000441) | 0.00054 (0.00022, 0.00112) | 1.1 (0.4, 2.2)         | 0.0000092 (0.0000037, 0.0000186) | 0.0004 (0.00017, 0.00080)  |
| Sumatera Utara | Falls                                         | 65  | 22.4 (14.4, 33.2)      | 0.0002398 (0.0001544, 0.0003554) | 0.00634 (0.00428, 0.00883) | 13.4 (8.8, 19.1)       | 0.0001158 (0.0000764, 0.0001659) | 0.00507 (0.00354, 0.00697) |
| Sumatera Utara | Interpersonal violence                        | 65  | 3.3 (1.3, 6.2)         | 0.0000356 (0.0000141, 0.0000663) | 0.00094 (0.00039, 0.00174) | 1.6 (0.7, 2.9)         | 0.0000137 (0.0000065, 0.0000248) | 0.0006 (0.00029, 0.00113)  |
| Sumatera Utara | Self-harm                                     | 65  | 11.2 (6.4, 18.4)       | 0.0001199 (0.0000687, 0.0001966) | 0.00317 (0.00191, 0.00494) | 4.1 (2.3, 6.6)         | 0.0000355 (0.0000201, 0.0000570) | 0.00155 (0.00090, 0.00240) |
| Sumatera Utara | Transport injuries                            | 65  | 59.9 (42.7, 80.9)      | 0.0006406 (0.0004568, 0.0008663) | 0.01692 (0.01295, 0.02140) | 21.7 (15.4, 30.0)      | 0.0001878 (0.0001330, 0.0002602) | 0.00823 (0.00620, 0.01054) |
| Sumatera Utara | Other unintentional injuries                  | 65  | 22.7 (14.7, 34.3)      | 0.000243 (0.0001569, 0.0003670)  | 0.00642 (0.00435, 0.00890) | 8.6 (5.7, 12.4)        | 0.0000747 (0.0000493, 0.0001076) | 0.00328 (0.00224, 0.00455) |
| Sumatera Utara | Diarrheal diseases                            | 70  | 169.9 (133.4, 211.4)   | 0.0026425 (0.0020752, 0.0032878) | 0.0444 (0.03733, 0.05197)  | 190.0 (150.9, 233.0)   | 0.0021822 (0.0017331, 0.0026756) | 0.05873 (0.05070, 0.06651) |
| Sumatera Utara | HIV/AIDS                                      | 70  | 1.1 (0.4, 2.4)         | 0.0000163 (0.0000056, 0.0000370) | 0.00028 (0.00010, 0.00062) | 0.9 (0.3, 1.9)         | 0.0000103 (0.0000039, 0.0000220) | 0.00028 (0.00011, 0.00061) |
| Sumatera Utara | Lower respiratory infections                  | 70  | 85.3 (62.8, 112.6)     | 0.0013258 (0.0009769, 0.0017514) | 0.02225 (0.01762, 0.02767) | 80.9 (61.5, 104.1)     | 0.0009294 (0.0007063, 0.0011959) | 0.02501 (0.02027, 0.03060) |
| Sumatera Utara | Malaria                                       | 70  | 21.2 (12.2, 33.0)      | 0.0003292 (0.0001899, 0.0005126) | 0.00553 (0.00335, 0.00822) | 11.0 (6.0, 17.6)       | 0.000126 (0.0000687, 0.0002022)  | 0.00339 (0.00194, 0.00532) |
| Sumatera Utara | Tuberculosis                                  | 70  | 280.7 (215.8, 348.0)   | 0.0043648 (0.0033563, 0.0054120) | 0.07329 (0.06427, 0.08191) | 165.7 (132.0, 204.8)   | 0.0019026 (0.0015156, 0.0023517) | 0.05121 (0.04423, 0.05872) |
| Sumatera Utara | Other communicable diseases                   | 70  | 48.1 (34.5, 66.1)      | 0.000748 (0.0005372, 0.0010283)  | 0.01257 (0.00947, 0.01637) | 42.4 (30.6, 56.8)      | 0.0004873 (0.0003511, 0.0006522) | 0.01312 (0.01006, 0.01680) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 70  | 33.1 (21.0, 49.1)      | 0.0005143 (0.0003269, 0.0007642) | 0.00864 (0.00580, 0.01238) | 8.0 (4.8, 12.7)        | 0.0000922 (0.0000556, 0.0001454) | 0.00248 (0.00153, 0.00377) |
| Sumatera Utara | Breast cancer                                 | 70  | 1.3 (0.4, 3.0)         | 0.0000203 (0.0000069, 0.0000460) | 0.00034 (0.00012, 0.00076) | 26.8 (18.2, 38.0)      | 0.0003076 (0.0002093, 0.0004365) | 0.00829 (0.00588, 0.01126) |
| Sumatera Utara | Cervical cancer                               | 70  |                        |                                  |                            | 18.4 (11.1, 28.8)      | 0.0002119 (0.0001270, 0.0003307) | 0.0057 (0.00359, 0.00882)  |
| Sumatera Utara | Other malignant neoplasms                     | 70  | 61.7 (46.9, 78.1)      | 0.0009602 (0.0007300, 0.0012146) | 0.01612 (0.01347, 0.01909) | 46.0 (34.5, 59.8)      | 0.0005287 (0.0003962, 0.0006873) | 0.01423 (0.01130, 0.01786) |
| Sumatera Utara | Cerebrovascular disease                       | 70  | 882.2 (709.6, 1,057.0) | 0.0137193 (0.0110347, 0.0164367) | 0.23039 (0.21631, 0.24418) | 896.4 (730.1, 1,061.0) | 0.0102949 (0.0083888, 0.0121858) | 0.27715 (0.26256, 0.29214) |
| Sumatera Utara | Ischemic heart disease                        | 70  | 681.0 (544.6, 818.1)   | 0.0105898 (0.0084683, 0.0127216) | 0.17786 (0.16498, 0.19092) | 459.0 (370.7, 551.0)   | 0.0052714 (0.0042574, 0.0063279) | 0.14188 (0.13025, 0.15422) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 70  | 158.7 (123.3, 208.8)       | 0.0024681 (0.0019168, 0.0032472) | 0.04144 (0.03479, 0.04957) | 160.4 (123.5, 206.4)       | 0.001842 (0.0014182, 0.0023700)  | 0.04957 (0.04159, 0.05888) |
| Sumatera Utara | Diabetes mellitus                             | 70  | 303.7 (241.2, 369.9)       | 0.0047231 (0.0037508, 0.0057516) | 0.07932 (0.06990, 0.08849) | 352.3 (285.8, 426.6)       | 0.0040462 (0.0032824, 0.0048994) | 0.10893 (0.09740, 0.12010) |
| Sumatera Utara | Chronic kidney disease                        | 70  | 79.0 (57.9, 104.0)         | 0.0012279 (0.0009011, 0.0016172) | 0.02061 (0.01647, 0.02485) | 64.3 (49.0, 81.6)          | 0.0007382 (0.0005629, 0.0009368) | 0.01988 (0.01583, 0.02404) |
| Sumatera Utara | Cirrhosis                                     | 70  | 105.7 (80.2, 135.7)        | 0.0016437 (0.0012472, 0.0021104) | 0.02759 (0.02306, 0.03299) | 63.2 (49.0, 79.8)          | 0.0007259 (0.0005629, 0.0009160) | 0.01955 (0.01626, 0.02337) |
| Sumatera Utara | Chronic respiratory diseases                  | 70  | 471.3 (379.0, 572.1)       | 0.0073289 (0.0058937, 0.0088960) | 0.12306 (0.11249, 0.13419) | 279.0 (227.4, 333.2)       | 0.0032042 (0.0026123, 0.0038272) | 0.08628 (0.07746, 0.09476) |
| Sumatera Utara | Other non-communicable diseases               | 70  | 319.9 (258.0, 385.3)       | 0.004974 (0.0040115, 0.0059923)  | 0.08356 (0.07525, 0.09264) | 309.9 (254.9, 372.0)       | 0.0035593 (0.0029271, 0.0042728) | 0.09582 (0.08702, 0.10523) |
| Sumatera Utara | Drowning                                      | 70  | 3.4 (1.4, 6.7)             | 0.0000534 (0.0000221, 0.0001039) | 0.0009 (0.00040, 0.00174)  | 2.2 (1.1, 4.0)             | 0.000025 (0.0000126, 0.0000458)  | 0.00067 (0.00034, 0.00124) |
| Sumatera Utara | Falls                                         | 70  | 26.3 (17.4, 38.4)          | 0.0004097 (0.0002713, 0.0005971) | 0.00688 (0.00478, 0.00966) | 17.9 (12.1, 25.0)          | 0.0002054 (0.0001395, 0.0002871) | 0.00553 (0.00397, 0.00746) |
| Sumatera Utara | Interpersonal violence                        | 70  | 2.5 (0.9, 4.9)             | 0.0000387 (0.0000143, 0.0000759) | 0.00065 (0.00025, 0.00124) | 1.3 (0.6, 2.6)             | 0.0000152 (0.0000065, 0.0000296) | 0.00041 (0.00018, 0.00079) |
| Sumatera Utara | Self-harm                                     | 70  | 9.9 (5.5, 16.1)            | 0.0001545 (0.0000849, 0.0002499) | 0.00259 (0.00151, 0.00408) | 4.0 (2.2, 6.5)             | 0.0000461 (0.0000255, 0.0000744) | 0.00124 (0.00072, 0.00196) |
| Sumatera Utara | Transport injuries                            | 70  | 60.0 (42.4, 81.5)          | 0.0009336 (0.0006595, 0.0012675) | 0.01567 (0.01212, 0.01981) | 24.6 (17.9, 33.0)          | 0.000282 (0.0002059, 0.0003793)  | 0.00759 (0.00568, 0.00976) |
| Sumatera Utara | Other unintentional injuries                  | 70  | 23.2 (15.2, 33.4)          | 0.0003612 (0.0002371, 0.0005196) | 0.00606 (0.00430, 0.00828) | 9.9 (6.6, 14.2)            | 0.0001137 (0.0000760, 0.0001631) | 0.00306 (0.00213, 0.00422) |
| Sumatera Utara | Diarrheal diseases                            | 75  | 154.8 (120.0, 195.7)       | 0.0046086 (0.0035732, 0.0058273) | 0.05457 (0.04685, 0.06304) | 219.1 (176.5, 261.4)       | 0.0040859 (0.0032901, 0.0048748) | 0.06887 (0.06012, 0.07758) |
| Sumatera Utara | HIV/AIDS                                      | 75  | 0.6 (0.2, 1.3)             | 0.0000181 (0.0000064, 0.0000396) | 0.00021 (0.00008, 0.00047) | 0.7 (0.2, 1.4)             | 0.0000122 (0.0000046, 0.0000265) | 0.00021 (0.00008, 0.00043) |
| Sumatera Utara | Lower respiratory infections                  | 75  | 70.3 (51.7, 94.0)          | 0.0020916 (0.0015399, 0.0027978) | 0.02475 (0.01971, 0.03041) | 84.0 (64.4, 106.2)         | 0.0015664 (0.0012003, 0.0019795) | 0.0264 (0.02138, 0.03184)  |
| Sumatera Utara | Malaria                                       | 75  | 15.2 (8.1, 24.6)           | 0.0004525 (0.0002412, 0.0007324) | 0.00535 (0.00303, 0.00821) | 10.0 (5.4, 16.6)           | 0.0001863 (0.0000998, 0.0003093) | 0.00314 (0.00177, 0.00528) |
| Sumatera Utara | Tuberculosis                                  | 75  | 170.7 (130.5, 213.2)       | 0.0050807 (0.0038849, 0.0063468) | 0.06016 (0.05220, 0.06863) | 126.5 (99.5, 154.6)        | 0.0023591 (0.0018558, 0.0028833) | 0.03976 (0.03354, 0.04674) |
| Sumatera Utara | Other communicable diseases                   | 75  | 36.4 (25.1, 50.7)          | 0.0010823 (0.0007476, 0.0015084) | 0.01281 (0.00957, 0.01666) | 40.7 (29.2, 54.8)          | 0.000759 (0.0005436, 0.0010223)  | 0.01279 (0.00974, 0.01659) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 75  | 19.1 (11.4, 28.5)          | 0.0005685 (0.0003406, 0.0008488) | 0.00673 (0.00444, 0.00975) | 5.8 (3.3, 9.3)             | 0.0001082 (0.0000619, 0.0001731) | 0.00182 (0.00105, 0.00280) |
| Sumatera Utara | Breast cancer                                 | 75  | 0.6 (0.2, 1.4)             | 0.0000175 (0.0000052, 0.0000424) | 0.00021 (0.00006, 0.00049) | 16.3 (10.5, 23.8)          | 0.0003044 (0.0001950, 0.0004444) | 0.00513 (0.00335, 0.00722) |
| Sumatera Utara | Cervical cancer                               | 75  |                            |                                  |                            | 12.6 (7.0, 20.2)           | 0.0002354 (0.0001302, 0.0003769) | 0.00396 (0.00228, 0.00625) |
| Sumatera Utara | Other malignant neoplasms                     | 75  | 33.8 (25.0, 43.3)          | 0.001007 (0.0007448, 0.0012893)  | 0.01192 (0.00991, 0.01419) | 38.2 (28.2, 49.3)          | 0.0007115 (0.0005261, 0.0009183) | 0.01199 (0.00943, 0.01506) |
| Sumatera Utara | Cerebrovascular disease                       | 75  | 664.6 (519.4, 802.9)       | 0.0197859 (0.0154634, 0.0239029) | 0.2342 (0.21954, 0.24830)  | 902.9 (733.9, 1,053.7)     | 0.0168347 (0.0136840, 0.0196463) | 0.28372 (0.26710, 0.29916) |
| Sumatera Utara | Ischemic heart disease                        | 75  | 538.0 (416.2, 645.5)       | 0.0160168 (0.0123913, 0.0192158) | 0.18961 (0.17571, 0.20320) | 484.8 (395.4, 572.1)       | 0.00904 (0.0073731, 0.0106681)   | 0.15234 (0.13890, 0.16574) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 75  | 119.3 (90.0, 155.5)        | 0.0035521 (0.0026802, 0.0046292) | 0.04205 (0.03525, 0.05014) | 161.4 (122.3, 203.3)       | 0.0030101 (0.0022808, 0.0037906) | 0.05071 (0.04230, 0.06014) |
| Sumatera Utara | Diabetes mellitus                             | 75  | 187.1 (143.5, 231.4)       | 0.0055698 (0.0042728, 0.0068873) | 0.06595 (0.05788, 0.07458) | 291.8 (234.9, 348.0)       | 0.0054416 (0.0043794, 0.0064890) | 0.09173 (0.08114, 0.10298) |
| Sumatera Utara | Chronic kidney disease                        | 75  | 50.5 (36.8, 67.2)          | 0.0015033 (0.0010948, 0.0020000) | 0.01779 (0.01420, 0.02156) | 54.9 (41.5, 69.4)          | 0.0010244 (0.0007745, 0.0012937) | 0.01727 (0.01370, 0.02077) |
| Sumatera Utara | Cirrhosis                                     | 75  | 70.9 (52.3, 92.8)          | 0.0021108 (0.0015558, 0.0027639) | 0.02497 (0.02066, 0.02980) | 56.6 (43.7, 71.2)          | 0.0010559 (0.0008154, 0.0013272) | 0.0178 (0.01461, 0.02136)  |
| Sumatera Utara | Chronic respiratory diseases                  | 75  | 338.6 (260.5, 415.4)       | 0.0100786 (0.0077550, 0.0123661) | 0.11929 (0.10846, 0.13097) | 263.0 (214.7, 313.7)       | 0.0049403 (0.0040042, 0.0058495) | 0.08268 (0.07379, 0.09199) |
| Sumatera Utara | Other non-communicable diseases               | 75  | 272.7 (214.5, 332.9)       | 0.0081175 (0.0063862, 0.0099091) | 0.09613 (0.08773, 0.10677) | 352.8 (288.4, 417.6)       | 0.0065782 (0.0053776, 0.0077870) | 0.11088 (0.10123, 0.12221) |
| Sumatera Utara | Drowning                                      | 75  | 4.4 (2.0, 8.9)             | 0.0001298 (0.0000589, 0.0002662) | 0.00154 (0.00072, 0.00309) | 3.5 (1.8, 6.3)             | 0.000065 (0.0000334, 0.0001181)  | 0.00109 (0.00058, 0.00198) |
| Sumatera Utara | Falls                                         | 75  | 27.4 (18.1, 39.2)          | 0.0008162 (0.0005381, 0.0011678) | 0.00966 (0.00680, 0.01339) | 23.5 (16.4, 32.2)          | 0.0004379 (0.0003062, 0.0005997) | 0.00738 (0.00534, 0.00975) |
| Sumatera Utara | Interpersonal violence                        | 75  | 1.4 (0.4, 3.5)             | 0.0000419 (0.0000124, 0.0001033) | 0.0005 (0.00015, 0.00117)  | 0.9 (0.3, 2.3)             | 0.0000176 (0.0000059, 0.0000427) | 0.0003 (0.00010, 0.00075)  |
| Sumatera Utara | Self-harm                                     | 75  | 6.7 (3.4, 11.4)            | 0.0001988 (0.0001026, 0.0003393) | 0.00235 (0.00127, 0.00388) | 3.4 (1.7, 5.6)             | 0.0000635 (0.0000314, 0.0001051) | 0.00107 (0.00054, 0.00176) |
| Sumatera Utara | Transport injuries                            | 75  | 37.0 (24.8, 51.7)          | 0.0011015 (0.0007393, 0.0015386) | 0.01303 (0.00914, 0.01716) | 19.0 (12.8, 26.4)          | 0.0003551 (0.0002387, 0.0004914) | 0.00599 (0.00414, 0.00806) |
| Sumatera Utara | Other unintentional injuries                  | 75  | 17.6 (11.1, 26.6)          | 0.0005242 (0.0003312, 0.0007924) | 0.0062 (0.00418, 0.00881)  | 9.5 (6.1, 14.2)            | 0.0001765 (0.0001139, 0.0002648) | 0.00297 (0.00199, 0.00426) |
| Sumatera Utara | Diarrheal diseases                            | 80  | 390.8 (327.0, 457.4)       | 0.014352 (0.0120079, 0.0167993)  | 0.09178 (0.08154, 0.10256) | 673.2 (574.7, 768.9)       | 0.0137306 (0.0117210, 0.0156826) | 0.10236 (0.09181, 0.11285) |
| Sumatera Utara | HIV/AIDS                                      | 80  | 0.9 (0.3, 2.2)             | 0.0000343 (0.0000105, 0.0000825) | 0.00022 (0.00007, 0.00053) | 1.3 (0.4, 3.2)             | 0.0000273 (0.0000088, 0.0000647) | 0.0002 (0.00007, 0.00049)  |
| Sumatera Utara | Lower respiratory infections                  | 80  | 128.8 (98.3, 167.1)        | 0.0047292 (0.0036099, 0.0061384) | 0.03023 (0.02429, 0.03701) | 203.7 (158.4, 256.2)       | 0.0041541 (0.0032314, 0.0052255) | 0.03097 (0.02497, 0.03802) |
| Sumatera Utara | Malaria                                       | 80  | 23.4 (11.6, 40.5)          | 0.0008577 (0.0004244, 0.0014870) | 0.00548 (0.00280, 0.00940) | 20.3 (9.8, 38.2)           | 0.0004146 (0.0002001, 0.0007781) | 0.00309 (0.00153, 0.00582) |
| Sumatera Utara | Tuberculosis                                  | 80  | 224.0 (180.7, 271.6)       | 0.0082252 (0.0066373, 0.0099759) | 0.05259 (0.04458, 0.06072) | 242.3 (195.5, 293.6)       | 0.0049413 (0.0039880, 0.0059885) | 0.03684 (0.03087, 0.04360) |
| Sumatera Utara | Other communicable diseases                   | 80  | 64.7 (46.8, 87.8)          | 0.0023749 (0.0017196, 0.0032244) | 0.01518 (0.01142, 0.01983) | 87.0 (64.1, 114.9)         | 0.0017738 (0.0013068, 0.0023429) | 0.01322 (0.01007, 0.01713) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 80  | 20.3 (12.0, 31.5)          | 0.0007441 (0.0004421, 0.0011577) | 0.00476 (0.00289, 0.00736) | 9.9 (5.1, 16.5)            | 0.0002014 (0.0001042, 0.0003373) | 0.0015 (0.00080, 0.00248)  |
| Sumatera Utara | Breast cancer                                 | 80  | 0.6 (0.2, 1.6)             | 0.0000223 (0.0000060, 0.0000598) | 0.00014 (0.00004, 0.00037) | 20.7 (11.8, 32.8)          | 0.0004217 (0.0002411, 0.0006696) | 0.00314 (0.00181, 0.00497) |
| Sumatera Utara | Cervical cancer                               | 80  |                            |                                  |                            | 15.1 (7.0, 26.5)           | 0.0003078 (0.0001437, 0.0005395) | 0.00229 (0.00108, 0.00401) |
| Sumatera Utara | Other malignant neoplasms                     | 80  | 40.3 (31.0, 51.5)          | 0.0014795 (0.0011397, 0.0018924) | 0.00946 (0.00757, 0.01169) | 59.4 (43.9, 76.8)          | 0.0012112 (0.0008963, 0.0015674) | 0.00903 (0.00679, 0.01163) |
| Sumatera Utara | Cerebrovascular disease                       | 80  | 1,006.1 (860.5, 1,146.6)   | 0.0369506 (0.0316027, 0.0421114) | 0.23626 (0.22007, 0.25144) | 1,866.6 (1,630.0, 2,078.7) | 0.0380721 (0.0332461, 0.0423971) | 0.2838 (0.26640, 0.30056)  |
| Sumatera Utara | Ischemic heart disease                        | 80  | 720.3 (609.5, 836.1)       | 0.0264536 (0.0223851, 0.0307078) | 0.16914 (0.15360, 0.18356) | 981.4 (847.3, 1,115.2)     | 0.0200171 (0.0172825, 0.0227459) | 0.1492 (0.13567, 0.16286)  |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 80  | 165.5 (131.1, 207.2)       | 0.0060765 (0.0048146, 0.0076115) | 0.03885 (0.03160, 0.04734) | 299.4 (236.7, 372.6)       | 0.0061066 (0.0048275, 0.0075999) | 0.04551 (0.03700, 0.05554) |
| Sumatera Utara | Diabetes mellitus                             | 80  | 219.0 (178.8, 263.3)       | 0.0080431 (0.0065657, 0.0096719) | 0.05144 (0.04393, 0.05958) | 479.7 (399.3, 567.5)       | 0.0097842 (0.0081449, 0.0115742) | 0.07294 (0.06304, 0.08452) |
| Sumatera Utara | Chronic kidney disease                        | 80  | 59.4 (44.9, 76.5)          | 0.0021826 (0.0016483, 0.0028100) | 0.01395 (0.01085, 0.01730) | 92.0 (69.9, 115.9)         | 0.0018754 (0.0014250, 0.0023647) | 0.01398 (0.01069, 0.01715) |
| Sumatera Utara | Cirrhosis                                     | 80  | 91.6 (69.0, 116.4)         | 0.0033645 (0.0025332, 0.0042764) | 0.0215 (0.01713, 0.02658)  | 98.2 (76.7, 122.8)         | 0.0020025 (0.0015653, 0.0025055) | 0.01493 (0.01190, 0.01840) |
| Sumatera Utara | Chronic respiratory diseases                  | 80  | 501.9 (422.4, 582.7)       | 0.0184335 (0.0155116, 0.0214016) | 0.11786 (0.10582, 0.12957) | 513.5 (436.4, 589.0)       | 0.0104729 (0.0089002, 0.0120138) | 0.07808 (0.06820, 0.08761) |
| Sumatera Utara | Other non-communicable diseases               | 80  | 451.1 (379.1, 524.8)       | 0.0165675 (0.0139241, 0.0192737) | 0.10596 (0.09536, 0.11823) | 789.2 (682.7, 898.4)       | 0.0160958 (0.0139244, 0.0183240) | 0.12 (0.10828, 0.13226)    |
| Sumatera Utara | Drowning                                      | 80  | 7.4 (3.2, 14.6)            | 0.0002716 (0.0001169, 0.0005348) | 0.00174 (0.00076, 0.00341) | 6.9 (3.1, 13.2)            | 0.0001407 (0.0000637, 0.0002699) | 0.00105 (0.00047, 0.00198) |
| Sumatera Utara | Falls                                         | 80  | 58.4 (40.1, 81.0)          | 0.0021433 (0.0014743, 0.0029733) | 0.0137 (0.00978, 0.01886)  | 60.7 (41.4, 82.1)          | 0.0012374 (0.0008999, 0.0016737) | 0.00922 (0.00677, 0.01223) |
| Sumatera Utara | Interpersonal violence                        | 80  | 1.5 (0.3, 4.4)             | 0.0000553 (0.0000102, 0.0001605) | 0.00035 (0.00007, 0.00101) | 1.4 (0.3, 4.1)             | 0.0000287 (0.0000061, 0.0000842) | 0.00021 (0.00004, 0.00062) |
| Sumatera Utara | Self-harm                                     | 80  | 8.4 (3.9, 15.5)            | 0.0003095 (0.0001442, 0.0005703) | 0.00198 (0.00091, 0.00370) | 6.1 (2.7, 11.4)            | 0.0001241 (0.0000551, 0.0002322) | 0.00092 (0.00042, 0.00172) |
| Sumatera Utara | Transport injuries                            | 80  | 49.6 (32.0, 71.4)          | 0.0018219 (0.0011756, 0.0026219) | 0.01165 (0.00774, 0.01617) | 32.2 (20.3, 47.1)          | 0.0006563 (0.0004142, 0.0009602) | 0.00489 (0.00310, 0.00694) |
| Sumatera Utara | Other unintentional injuries                  | 80  | 24.6 (14.1, 38.1)          | 0.0009044 (0.0005193, 0.0013997) | 0.00578 (0.00335, 0.00867) | 17.3 (10.0, 26.7)          | 0.0003524 (0.0002041, 0.0005449) | 0.00263 (0.00156, 0.00407) |
| Sumatera Utara | Diarrheal diseases                            | All | 2,412.2 (1,909.2, 3,006.4) | 0.0003459 (0.0002738, 0.0004311) | 0.05379 (0.04551, 0.06432) | 2,685.3 (2,166.1, 3,326.2) | 0.0003856 (0.0003111, 0.0004777) | 0.07978 (0.06839, 0.09409) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                  |                             | Females                    |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Utara | HIV/AIDS                                                 | All | 152.8 (84.5, 243.2)        | 0.0000219 (0.0000121, 0.0000349) | 0.00341 (0.00199, 0.00537)  | 68.1 (36.8, 113.7)         | 0.0000098 (0.0000053, 0.0000163) | 0.00202 (0.00115, 0.00328) |
| Sumatera Utara | Lower respiratory infections                             | All | 1,610.0 (1,215.2, 2,085.5) | 0.0002309 (0.0001742, 0.0002990) | 0.03587 (0.02875, 0.04411)  | 1,228.1 (941.6, 1,586.8)   | 0.0001764 (0.0001352, 0.0002279) | 0.03646 (0.02960, 0.04434) |
| Sumatera Utara | Malaria                                                  | All | 369.5 (246.0, 538.7)       | 0.000053 (0.0000353, 0.0000772)  | 0.00823 (0.00567, 0.01159)  | 179.9 (110.8, 282.0)       | 0.0000258 (0.0000159, 0.0000405) | 0.00535 (0.00342, 0.00794) |
| Sumatera Utara | Tuberculosis                                             | All | 2,963.8 (2,368.3, 3,605.9) | 0.000425 (0.0003396, 0.0005170)  | 0.06602 (0.05877, 0.07367)  | 1,422.2 (1,169.6, 1,729.5) | 0.0002042 (0.0001680, 0.0002484) | 0.04227 (0.03655, 0.04793) |
| Sumatera Utara | Maternal disorders                                       | All |                            |                                  |                             | 239.5 (184.1, 310.0)       | 0.0000344 (0.0000264, 0.0000445) | 0.00711 (0.00576, 0.00854) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 936.4 (485.9, 1,491.6)     | 0.0001343 (0.0000697, 0.0002139) | 0.0208 (0.01113, 0.03268)   | 651.0 (344.3, 1,101.9)     | 0.0000935 (0.0000494, 0.0001582) | 0.01923 (0.01044, 0.03158) |
| Sumatera Utara | Preterm birth complications                              | All | 719.2 (352.3, 1,178.4)     | 0.0001031 (0.0000505, 0.0001690) | 0.01598 (0.00801, 0.02600)  | 674.9 (352.5, 1,122.5)     | 0.0000969 (0.0000506, 0.0001612) | 0.01993 (0.01065, 0.03186) |
| Sumatera Utara | Other neonatal disorders                                 | All | 405.6 (174.7, 734.0)       | 0.0000582 (0.0000250, 0.0001052) | 0.00901 (0.00402, 0.01632)  | 272.1 (119.8, 522.9)       | 0.0000391 (0.0000172, 0.0000751) | 0.00805 (0.00362, 0.01508) |
| Sumatera Utara | Other communicable diseases                              | All | 2,234.7 (1,743.2, 2,776.4) | 0.0003204 (0.0002500, 0.0003981) | 0.04983 (0.04104, 0.05941)  | 1,418.3 (1,074.0, 1,841.1) | 0.0002037 (0.0001542, 0.0002644) | 0.04213 (0.03353, 0.05251) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer                      | All | 340.3 (227.8, 487.0)       | 0.0000488 (0.0000327, 0.0000698) | 0.00758 (0.00527, 0.01038)  | 92.8 (61.1, 139.0)         | 0.0000133 (0.0000088, 0.0000200) | 0.00276 (0.00184, 0.00403) |
| Sumatera Utara | Breast cancer                                            | All | 18.0 (9.4, 31.8)           | 0.0000026 (0.0000014, 0.0000046) | 0.0004 (0.00022, 0.00069)   | 570.4 (423.3, 753.4)       | 0.0000819 (0.0000608, 0.0001082) | 0.01694 (0.01342, 0.02138) |
| Sumatera Utara | Cervical cancer                                          | All |                            |                                  |                             | 353.7 (242.9, 496.1)       | 0.0000508 (0.0000349, 0.0000712) | 0.0105 (0.00748, 0.01421)  |
| Sumatera Utara | Other malignant neoplasms                                | All | 1,196.4 (948.8, 1,479.3)   | 0.0001716 (0.0001360, 0.0002121) | 0.02666 (0.02288, 0.03099)  | 644.7 (501.9, 809.1)       | 0.0000926 (0.0000721, 0.0001162) | 0.01916 (0.01578, 0.02304) |
| Sumatera Utara | Cerebrovascular disease                                  | All | 6,594.7 (5,369.5, 7,861.9) | 0.0009456 (0.0007699, 0.0011273) | 0.14692 (0.13316, 0.16018)  | 6,546.4 (5,451.4, 7,657.4) | 0.0009401 (0.0007828, 0.0010996) | 0.19461 (0.17704, 0.21114) |
| Sumatera Utara | Ischemic heart disease                                   | All | 5,976.0 (4,840.6, 7,233.8) | 0.0008569 (0.0006941, 0.0010372) | 0.13312 (0.11990, 0.14574)  | 3,688.2 (3,041.8, 4,388.4) | 0.0005296 (0.0004368, 0.0006302) | 0.10963 (0.09770, 0.12151) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | All | 1,128.9 (890.1, 1,455.6)   | 0.0001619 (0.0001276, 0.0002087) | 0.02515 (0.02111, 0.02979)  | 1,154.8 (911.8, 1,444.6)   | 0.0001658 (0.0001309, 0.0002077) | 0.03433 (0.02858, 0.04100) |
| Sumatera Utara | Diabetes mellitus                                        | All | 3,317.8 (2,693.3, 4,027.8) | 0.0004757 (0.0003862, 0.0005775) | 0.07391 (0.06511, 0.08259)  | 3,261.5 (2,675.6, 3,953.3) | 0.0004684 (0.0003842, 0.0005674) | 0.09691 (0.08593, 0.10736) |
| Sumatera Utara | Chronic kidney disease                                   | All | 960.1 (739.6, 1,212.8)     | 0.0001377 (0.0001060, 0.0001739) | 0.02139 (0.01716, 0.02527)  | 687.0 (530.4, 863.4)       | 0.0000987 (0.0000762, 0.0001240) | 0.02041 (0.01662, 0.02433) |
| Sumatera Utara | Cirrhosis                                                | All | 1,721.4 (1,347.4, 2,155.9) | 0.0002468 (0.0001932, 0.0003091) | 0.03833 (0.03263, 0.04450)  | 761.7 (602.6, 954.7)       | 0.0001094 (0.0000865, 0.0001371) | 0.02264 (0.01890, 0.02674) |
| Sumatera Utara | Chronic respiratory diseases                             | All | 3,098.3 (2,497.9, 3,736.8) | 0.0004443 (0.0003582, 0.0005358) | 0.06903 (0.06157, 0.07739)  | 1,860.0 (1,553.0, 2,198.8) | 0.0002671 (0.0002230, 0.0003158) | 0.05531 (0.04872, 0.06229) |
| Sumatera Utara | Other non-communicable diseases                          | All | 3,873.8 (3,189.5, 4,604.5) | 0.0005555 (0.0004573, 0.0006602) | 0.08631 (0.07961, 0.09368)  | 3,664.1 (3,084.0, 4,257.7) | 0.0005262 (0.0004429, 0.0006114) | 0.10886 (0.10015, 0.11747) |
| Sumatera Utara | Drowning                                                 | All | 430.0 (312.6, 568.4)       | 0.0000617 (0.0000448, 0.0000815) | 0.00961 (0.00717, 0.01283)  | 137.0 (94.8, 192.0)        | 0.0000197 (0.0000136, 0.0000276) | 0.00408 (0.00280, 0.00576) |
| Sumatera Utara | Falls                                                    | All | 434.2 (320.6, 561.7)       | 0.0000623 (0.0000460, 0.0000805) | 0.00968 (0.00750, 0.01238)  | 221.6 (166.6, 290.6)       | 0.0000318 (0.0000239, 0.0000417) | 0.00659 (0.00505, 0.00836) |
| Sumatera Utara | Interpersonal violence                                   | All | 147.0 (102.3, 198.8)       | 0.0000211 (0.0000147, 0.0000285) | 0.00328 (0.00235, 0.00436)  | 70.8 (45.7, 106.0)         | 0.0000102 (0.0000066, 0.0000152) | 0.0021 (0.00140, 0.00305)  |
| Sumatera Utara | Self-harm                                                | All | 239.0 (156.1, 338.0)       | 0.0000343 (0.0000224, 0.0000485) | 0.00532 (0.00362, 0.00711)  | 90.6 (59.6, 129.5)         | 0.000013 (0.0000085, 0.0000186)  | 0.00269 (0.00179, 0.00376) |
| Sumatera Utara | Transport injuries                                       | All | 2,823.2 (2,311.6, 3,412.6) | 0.0004048 (0.0003315, 0.0004893) | 0.06292 (0.05552, 0.07058)  | 759.1 (619.8, 922.3)       | 0.000109 (0.0000890, 0.0001324)  | 0.02257 (0.01932, 0.02606) |
| Sumatera Utara | Other unintentional injuries                             | All | 783.3 (604.9, 993.9)       | 0.0001123 (0.0000867, 0.0001425) | 0.01746 (0.01445, 0.02098)  | 255.3 (190.6, 336.5)       | 0.0000367 (0.0000274, 0.0000483) | 0.00758 (0.00588, 0.00963) |
| Sumatera Barat | Diarrheal diseases                                       | NN  | 16.4 (6.8, 30.7)           | 0.003638 (0.0015179, 0.0068160)  | 0.01227 (0.00779, 0.01830)  | 13.9 (6.2, 26.2)           | 0.0032609 (0.0014647, 0.0061585) | 0.01476 (0.00949, 0.02196) |
| Sumatera Barat | Lower respiratory infections                             | NN  | 173.8 (84.4, 286.6)        | 0.0386009 (0.0187336, 0.0636449) | 0.12999 (0.10401, 0.16072)  | 102.5 (50.7, 179.8)        | 0.0240922 (0.0119271, 0.0422830) | 0.10874 (0.08498, 0.13530) |
| Sumatera Barat | Malaria                                                  | NN  | 0.2 (0.0, 0.8)             | 0.0000506 (0.0000077, 0.0001856) | 0.00017 (0.00003, 0.00054)  | 0.1 (0.0, 0.5)             | 0.000032 (0.0000050, 0.0001112)  | 0.00014 (0.00003, 0.00044) |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 378.6 (187.2, 608.1)       | 0.0840599 (0.0415648, 0.1350384) | 0.28368 (0.22819, 0.34168)  | 248.3 (125.4, 430.8)       | 0.0583866 (0.0294754, 0.1012883) | 0.26344 (0.20691, 0.32114) |
| Sumatera Barat | Preterm birth complications                              | NN  | 335.0 (158.5, 559.0)       | 0.0743841 (0.0352065, 0.1241396) | 0.25024 (0.18941, 0.31141)  | 288.8 (142.1, 506.4)       | 0.0678986 (0.0333996, 0.1190745) | 0.30614 (0.24060, 0.37107) |
| Sumatera Barat | Other neonatal disorders                                 | NN  | 143.9 (56.3, 287.7)        | 0.0319519 (0.0125042, 0.0638959) | 0.10765 (0.05809, 0.17828)  | 88.8 (33.3, 183.5)         | 0.0208709 (0.0078235, 0.0431493) | 0.09456 (0.05124, 0.16063) |
| Sumatera Barat | Other communicable diseases                              | NN  | 28.2 (12.0, 51.1)          | 0.0062517 (0.0026668, 0.0113425) | 0.02118 (0.01348, 0.03226)  | 16.9 (7.2, 32.8)           | 0.0039689 (0.0017009, 0.0077237) | 0.01794 (0.01137, 0.02725) |
| Sumatera Barat | Other malignant neoplasms                                | NN  | 12.7 (4.9, 24.3)           | 0.002823 (0.0010956, 0.0053889)  | 0.00949 (0.00555, 0.01473)  | 9.5 (4.0, 19.4)            | 0.0022418 (0.0009344, 0.0045501) | 0.01014 (0.00616, 0.01639) |
| Sumatera Barat | Cerebrovascular disease                                  | NN  | 1.7 (0.4, 4.4)             | 0.0003839 (0.0000946, 0.0009824) | 0.00129 (0.00042, 0.00296)  | 1.7 (0.5, 4.5)             | 0.0004027 (0.0001089, 0.0010560) | 0.00182 (0.00061, 0.00421) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | NN  | 2.5 (0.6, 6.5)             | 0.0005557 (0.0001249, 0.0014526) | 0.00187 (0.00057, 0.00434)  | 2.2 (0.5, 5.6)             | 0.0005125 (0.0001163, 0.0013169) | 0.00229 (0.00072, 0.00513) |
| Sumatera Barat | Diabetes mellitus                                        | NN  | 0.6 (0.0, 4.4)             | 0.0001394 (0.0000007, 0.0009668) | 0.00049 (0.00000, 0.00375)  | 0.7 (0.0, 5.6)             | 0.0001759 (0.0000009, 0.0013079) | 0.00082 (0.00000, 0.00624) |
| Sumatera Barat | Other non-communicable diseases                          | NN  | 165.1 (84.2, 259.2)        | 0.036652 (0.0186960, 0.0575636)  | 0.12367 (0.10655, 0.14093)  | 144.1 (75.5, 237.0)        | 0.0338882 (0.0177532, 0.0557338) | 0.15294 (0.13590, 0.17168) |
| Sumatera Barat | Drowning                                                 | NN  | 14.6 (4.9, 31.9)           | 0.0032516 (0.0010809, 0.0070791) | 0.0109 (0.00525, 0.01925)   | 3.9 (1.3, 8.8)             | 0.0009054 (0.0002968, 0.0020599) | 0.00408 (0.00186, 0.00745) |
| Sumatera Barat | Falls                                                    | NN  | 7.7 (2.5, 16.3)            | 0.0017134 (0.0005633, 0.0036087) | 0.0058 (0.00277, 0.01072)   | 2.8 (0.9, 6.5)             | 0.0006562 (0.0002128, 0.0015296) | 0.00295 (0.00131, 0.00548) |
| Sumatera Barat | Interpersonal violence                                   | NN  | 3.5 (1.1, 8.1)             | 0.0007822 (0.0002441, 0.0017935) | 0.00267 (0.00107, 0.00574)  | 2.1 (0.7, 5.0)             | 0.0004896 (0.0001583, 0.0011789) | 0.00222 (0.00087, 0.00452) |
| Sumatera Barat | Transport injuries                                       | NN  | 19.7 (7.6, 39.2)           | 0.0043839 (0.0016823, 0.0087002) | 0.01479 (0.00827, 0.02441)  | 5.2 (2.1, 11.1)            | 0.0012137 (0.0004928, 0.0026184) | 0.00549 (0.00300, 0.00923) |
| Sumatera Barat | Other unintentional injuries                             | NN  | 31.7 (13.3, 60.2)          | 0.0070458 (0.0029452, 0.0133651) | 0.02386 (0.010468, 0.03687) | 10.8 (4.4, 21.4)           | 0.0025469 (0.0010362, 0.0050374) | 0.01153 (0.00687, 0.01835) |
| Sumatera Barat | Diarrheal diseases                                       | PNN | 151.1 (71.0, 257.6)        | 0.0026883 (0.0012639, 0.0045837) | 0.18356 (0.14180, 0.23354)  | 185.5 (90.0, 323.0)        | 0.0034952 (0.0016951, 0.0060855) | 0.23746 (0.18966, 0.28848) |
| Sumatera Barat | HIV/AIDS                                                 | PNN | 5.7 (1.6, 14.3)            | 0.0001013 (0.0000287, 0.0002538) | 0.00685 (0.00274, 0.01415)  | 4.6 (1.4, 11.6)            | 0.0000869 (0.0000266, 0.0002185) | 0.00589 (0.00228, 0.01281) |
| Sumatera Barat | Lower respiratory infections                             | PNN | 148.1 (71.5, 247.9)        | 0.0026343 (0.0012727, 0.0044110) | 0.17982 (0.15208, 0.21210)  | 122.0 (58.6, 201.6)        | 0.0022984 (0.0011043, 0.0037984) | 0.1559 (0.12996, 0.18366)  |
| Sumatera Barat | Malaria                                                  | PNN | 2.1 (0.3, 6.8)             | 0.0000366 (0.0000061, 0.0001216) | 0.00248 (0.00054, 0.00726)  | 1.8 (0.3, 5.8)             | 0.0000333 (0.0000055, 0.0001099) | 0.00224 (0.00046, 0.00646) |
| Sumatera Barat | Tuberculosis                                             | PNN | 17.0 (7.0, 30.9)           | 0.0003303 (0.0001242, 0.0005505) | 0.02061 (0.01373, 0.03039)  | 14.4 (6.3, 27.7)           | 0.0002711 (0.0001178, 0.0005209) | 0.01838 (0.01160, 0.02771) |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 9.8 (3.0, 23.1)            | 0.0001746 (0.0000529, 0.0004104) | 0.01203 (0.00438, 0.02712)  | 8.6 (2.4, 21.0)            | 0.0001619 (0.0000451, 0.0003965) | 0.0109 (0.00393, 0.02508)  |
| Sumatera Barat | Preterm birth complications                              | PNN | 22.3 (8.0, 46.1)           | 0.000397 (0.0001431, 0.0008207)  | 0.02712 (0.01286, 0.04887)  | 29.2 (10.0, 64.6)          | 0.0005505 (0.0001890, 0.0012162) | 0.037 (0.01739, 0.06325)   |
| Sumatera Barat | Other neonatal disorders                                 | PNN | 13.4 (3.9, 32.5)           | 0.000238 (0.0000686, 0.0005780)  | 0.01624 (0.00568, 0.03646)  | 11.3 (3.1, 29.7)           | 0.0002137 (0.0000593, 0.0005599) | 0.01448 (0.00489, 0.03435) |
| Sumatera Barat | Other communicable diseases                              | PNN | 287.2 (142.4, 475.1)       | 0.0051093 (0.0025341, 0.0084525) | 0.349 (0.29925, 0.40205)    | 249.9 (121.4, 426.7)       | 0.0047076 (0.0022875, 0.0080390) | 0.31864 (0.26546, 0.37179) |
| Sumatera Barat | Other malignant neoplasms                                | PNN | 7.4 (3.1, 14.1)            | 0.000132 (0.0000544, 0.0002512)  | 0.00899 (0.00522, 0.01408)  | 7.6 (3.2, 14.8)            | 0.0001426 (0.0000604, 0.0002793) | 0.00966 (0.00587, 0.01541) |
| Sumatera Barat | Cerebrovascular disease                                  | PNN | 1.0 (0.3, 2.4)             | 0.0000181 (0.0000048, 0.0000434) | 0.00123 (0.00040, 0.00282)  | 1.4 (0.4, 3.4)             | 0.0000256 (0.0000074, 0.0000634) | 0.00174 (0.00057, 0.00399) |
| Sumatera Barat | Ischemic heart disease                                   | PNN | 0.6 (0.0, 3.2)             | 0.000011 (0.0000007, 0.0000576)  | 0.00075 (0.00006, 0.00360)  | 0.8 (0.1, 4.3)             | 0.0000155 (0.0000010, 0.0000814) | 0.00105 (0.00008, 0.00482) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | PNN | 1.4 (0.4, 3.5)             | 0.0000256 (0.0000069, 0.0000631) | 0.00177 (0.00054, 0.00409)  | 1.7 (0.5, 4.6)             | 0.000032 (0.0000088, 0.0000866)  | 0.00218 (0.00068, 0.00490) |
| Sumatera Barat | Diabetes mellitus                                        | PNN | 0.4 (0.0, 3.0)             | 0.0000066 (0.0000000, 0.0000532) | 0.00046 (0.00000, 0.00349)  | 0.6 (0.0, 4.9)             | 0.0000113 (0.0000001, 0.0000920) | 0.00078 (0.00000, 0.00602) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males               |                                  |                            | Females             |                                  |                            |
|----------------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Chronic kidney disease                                   | PNN | 6.4 (2.3, 13.6)     | 0.0001144 (0.0000416, 0.0002415) | 0.00782 (0.00392, 0.01415) | 7.4 (2.9, 15.9)     | 0.0001385 (0.0000537, 0.0003003) | 0.00938 (0.00481, 0.01655) |
| Sumatera Barat | Other non-communicable diseases                          | PNN | 95.8 (46.9, 156.5)  | 0.0017048 (0.0008341, 0.0027840) | 0.11646 (0.10036, 0.13307) | 113.4 (56.7, 190.1) | 0.0021369 (0.0010677, 0.0035807) | 0.14474 (0.12802, 0.16435) |
| Sumatera Barat | Drowning                                                 | PNN | 10.4 (3.9, 20.8)    | 0.0001842 (0.0000686, 0.0003707) | 0.0126 (0.00635, 0.02148)  | 3.7 (1.4, 8.0)      | 0.0000701 (0.0000255, 0.0001511) | 0.00478 (0.00231, 0.00846) |
| Sumatera Barat | Falls                                                    | PNN | 5.3 (2.0, 11.0)     | 0.0000935 (0.0000352, 0.0001953) | 0.00643 (0.00319, 0.01159) | 2.6 (0.9, 5.8)      | 0.0000488 (0.0000166, 0.0001086) | 0.00331 (0.00151, 0.00601) |
| Sumatera Barat | Interpersonal violence                                   | PNN | 2.4 (0.8, 5.1)      | 0.0000419 (0.0000139, 0.0000916) | 0.0029 (0.00121, 0.00605)  | 1.9 (0.6, 4.3)      | 0.0000357 (0.0000119, 0.0000815) | 0.00243 (0.00098, 0.00479) |
| Sumatera Barat | Transport injuries                                       | PNN | 13.8 (5.8, 26.1)    | 0.0002463 (0.0001037, 0.0004640) | 0.01686 (0.00982, 0.02665) | 4.9 (2.0, 9.6)      | 0.0000932 (0.0000378, 0.0001806) | 0.00634 (0.00363, 0.01015) |
| Sumatera Barat | Other unintentional injuries                             | PNN | 21.3 (9.4, 37.5)    | 0.000379 (0.0001673, 0.0006664)  | 0.02603 (0.01666, 0.03860) | 9.9 (4.4, 19.1)     | 0.0001873 (0.0000829, 0.0003604) | 0.01273 (0.00792, 0.01971) |
| Sumatera Barat | Diarrheal diseases                                       | 1   | 38.1 (14.6, 78.9)   | 0.0001704 (0.0000651, 0.0003530) | 0.09413 (0.06586, 0.12875) | 42.5 (18.4, 83.9)   | 0.0001959 (0.0000846, 0.0003869) | 0.13055 (0.09620, 0.17169) |
| Sumatera Barat | HIV/AIDS                                                 | 1   | 3.1 (0.8, 8.2)      | 0.000014 (0.0000037, 0.0000368)  | 0.00778 (0.00299, 0.01605) | 2.5 (0.7, 6.2)      | 0.0000113 (0.0000033, 0.0000285) | 0.0076 (0.00300, 0.01653)  |
| Sumatera Barat | Lower respiratory infections                             | 1   | 81.0 (31.3, 163.8)  | 0.0003625 (0.0001402, 0.0007327) | 0.19931 (0.16304, 0.23557) | 64.2 (27.6, 125.3)  | 0.0002963 (0.0001271, 0.0005779) | 0.19674 (0.16313, 0.23037) |
| Sumatera Barat | Malaria                                                  | 1   | 0.4 (0.1, 1.3)      | 0.0000018 (0.0000003, 0.0000060) | 0.00102 (0.00021, 0.00294) | 0.3 (0.1, 1.0)      | 0.0000015 (0.0000002, 0.0000047) | 0.00099 (0.00022, 0.00283) |
| Sumatera Barat | Tuberculosis                                             | 1   | 10.0 (3.6, 22.0)    | 0.0000447 (0.0000160, 0.0000982) | 0.02464 (0.01620, 0.03583) | 8.2 (3.2, 17.3)     | 0.0000376 (0.0000147, 0.0000799) | 0.02502 (0.01592, 0.03635) |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.0 (0.7, 8.6)      | 0.0000135 (0.0000033, 0.0000386) | 0.00745 (0.00255, 0.01736) | 2.3 (0.5, 6.1)      | 0.0000105 (0.0000025, 0.0000281) | 0.00701 (0.00230, 0.01560) |
| Sumatera Barat | Preterm birth complications                              | 1   | 1.3 (0.2, 4.5)      | 0.0000058 (0.0000010, 0.0000203) | 0.00321 (0.00074, 0.00904) | 1.5 (0.3, 4.6)      | 0.0000068 (0.0000012, 0.0000210) | 0.00457 (0.00101, 0.01289) |
| Sumatera Barat | Other neonatal disorders                                 | 1   | 0.6 (0.0, 4.7)      | 0.0000029 (0.0000000, 0.0000209) | 0.00158 (0.00001, 0.01042) | 0.5 (0.0, 3.6)      | 0.0000022 (0.0000000, 0.0000168) | 0.00143 (0.00001, 0.00934) |
| Sumatera Barat | Other communicable diseases                              | 1   | 145.0 (59.6, 295.2) | 0.0006489 (0.0002665, 0.0013207) | 0.35767 (0.30952, 0.40471) | 117.2 (50.4, 233.8) | 0.0005406 (0.0002322, 0.0010782) | 0.35983 (0.30765, 0.41094) |
| Sumatera Barat | Other malignant neoplasms                                | 1   | 2.6 (0.9, 6.0)      | 0.0000116 (0.0000039, 0.0000267) | 0.00641 (0.00373, 0.01060) | 2.9 (1.1, 6.4)      | 0.0000133 (0.0000049, 0.0000294) | 0.00883 (0.00527, 0.01456) |
| Sumatera Barat | Cerebrovascular disease                                  | 1   | 0.4 (0.1, 1.1)      | 0.0000017 (0.0000004, 0.0000048) | 0.00096 (0.00030, 0.00229) | 0.6 (0.1, 1.5)      | 0.0000026 (0.0000006, 0.0000068) | 0.00174 (0.00057, 0.00394) |
| Sumatera Barat | Ischemic heart disease                                   | 1   | 0.2 (0.0, 1.2)      | 0.0000011 (0.0000001, 0.0000054) | 0.00059 (0.00004, 0.00271) | 0.3 (0.0, 1.6)      | 0.0000016 (0.0000001, 0.0000074) | 0.00107 (0.00008, 0.00494) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 1   | 0.5 (0.1, 1.5)      | 0.0000024 (0.0000005, 0.0000069) | 0.00129 (0.00037, 0.00313) | 0.7 (0.2, 1.9)      | 0.0000031 (0.0000007, 0.0000085) | 0.00204 (0.00064, 0.00475) |
| Sumatera Barat | Diabetes mellitus                                        | 1   | 0.1 (0.0, 1.0)      | 0.0000006 (0.0000000, 0.0000043) | 0.00033 (0.00000, 0.00254) | 0.2 (0.0, 1.7)      | 0.0000011 (0.0000000, 0.0000079) | 0.00072 (0.00000, 0.00559) |
| Sumatera Barat | Chronic kidney disease                                   | 1   | 2.2 (0.7, 5.6)      | 0.0000098 (0.0000031, 0.0000249) | 0.00539 (0.00265, 0.01003) | 2.7 (0.9, 6.0)      | 0.0000125 (0.0000041, 0.0000278) | 0.00828 (0.00415, 0.01473) |
| Sumatera Barat | Cirrhosis                                                | 1   | 4.2 (1.1, 11.1)     | 0.0000187 (0.0000050, 0.0000495) | 0.01027 (0.00434, 0.01972) | 2.4 (0.7, 6.0)      | 0.0000112 (0.0000033, 0.0000277) | 0.00744 (0.00312, 0.01472) |
| Sumatera Barat | Chronic respiratory diseases                             | 1   | 12.5 (4.3, 28.9)    | 0.0000561 (0.0000193, 0.0001292) | 0.0312 (0.01666, 0.04915)  | 6.3 (2.1, 14.5)     | 0.0000289 (0.0000098, 0.0000667) | 0.01941 (0.00961, 0.03365) |
| Sumatera Barat | Other non-communicable diseases                          | 1   | 33.8 (13.1, 68.5)   | 0.0001513 (0.0000586, 0.0003067) | 0.0832 (0.06499, 0.10447)  | 43.3 (19.0, 87.8)   | 0.0001995 (0.0000876, 0.0004050) | 0.1325 (0.11075, 0.15486)  |
| Sumatera Barat | Drowning                                                 | 1   | 17.2 (5.4, 41.8)    | 0.000077 (0.0000242, 0.0001872)  | 0.04195 (0.02287, 0.06649) | 6.1 (2.0, 14.0)     | 0.0000282 (0.0000092, 0.0000648) | 0.01864 (0.00965, 0.03191) |
| Sumatera Barat | Falls                                                    | 1   | 6.0 (2.0, 14.4)     | 0.000027 (0.0000088, 0.0000645)  | 0.01483 (0.00778, 0.02620) | 2.9 (0.9, 6.8)      | 0.0000134 (0.0000044, 0.0000315) | 0.00887 (0.00426, 0.01674) |
| Sumatera Barat | Interpersonal violence                                   | 1   | 2.2 (0.6, 5.3)      | 0.00001 (0.0000028, 0.0000236)   | 0.00549 (0.00242, 0.01075) | 1.8 (0.5, 4.3)      | 0.0000081 (0.0000025, 0.0000197) | 0.00537 (0.00234, 0.01028) |
| Sumatera Barat | Transport injuries                                       | 1   | 20.1 (7.0, 44.5)    | 0.00009 (0.0000311, 0.0001991)   | 0.04962 (0.03127, 0.07110) | 7.1 (2.8, 15.5)     | 0.0000329 (0.0000127, 0.0000714) | 0.0219 (0.01294, 0.03344)  |
| Sumatera Barat | Other unintentional injuries                             | 1   | 20.9 (7.9, 45.4)    | 0.0000936 (0.0000355, 0.0002033) | 0.05169 (0.03412, 0.07408) | 9.6 (3.7, 20.8)     | 0.0000443 (0.0000171, 0.0000957) | 0.02944 (0.01784, 0.04400) |
| Sumatera Barat | Diarrheal diseases                                       | 5   | 14.6 (9.3, 21.5)    | 0.0000507 (0.0000320, 0.0000744) | 0.06332 (0.04360, 0.08483) | 13.6 (9.3, 19.0)    | 0.0000511 (0.0000348, 0.0000713) | 0.09324 (0.06640, 0.12098) |
| Sumatera Barat | HIV/AIDS                                                 | 5   | 0.9 (0.2, 2.3)      | 0.0000031 (0.0000008, 0.0000080) | 0.00388 (0.00097, 0.00989) | 0.6 (0.1, 1.4)      | 0.0000022 (0.0000005, 0.0000053) | 0.00397 (0.00102, 0.01001) |
| Sumatera Barat | Lower respiratory infections                             | 5   | 20.9 (14.3, 29.2)   | 0.0000721 (0.0000493, 0.0001011) | 0.09028 (0.06815, 0.11559) | 13.7 (9.7, 18.7)    | 0.0000515 (0.0000366, 0.0000704) | 0.09404 (0.07046, 0.11947) |
| Sumatera Barat | Malaria                                                  | 5   | 0.2 (0.0, 0.5)      | 0.0000006 (0.0000001, 0.0000017) | 0.00069 (0.00012, 0.00208) | 0.1 (0.0, 0.3)      | 0.0000004 (0.0000001, 0.0000012) | 0.00071 (0.00014, 0.00201) |
| Sumatera Barat | Tuberculosis                                             | 5   | 3.7 (2.1, 6.1)      | 0.0000129 (0.0000072, 0.0000213) | 0.01607 (0.00982, 0.02518) | 2.5 (1.5, 4.0)      | 0.0000094 (0.0000055, 0.0000151) | 0.0172 (0.01058, 0.02593)  |
| Sumatera Barat | Other communicable diseases                              | 5   | 55.4 (40.4, 73.2)   | 0.0001915 (0.0001397, 0.0002531) | 0.23949 (0.20393, 0.27745) | 37.2 (28.8, 46.7)   | 0.0001398 (0.0001082, 0.0001756) | 0.25529 (0.21525, 0.29775) |
| Sumatera Barat | Other malignant neoplasms                                | 5   | 9.0 (5.2, 14.2)     | 0.0000311 (0.0000180, 0.0000492) | 0.03892 (0.02451, 0.05915) | 8.3 (5.4, 12.0)     | 0.0000311 (0.0000203, 0.0000451) | 0.05679 (0.03822, 0.08080) |
| Sumatera Barat | Cerebrovascular disease                                  | 5   | 0.9 (0.4, 1.8)      | 0.0000032 (0.0000014, 0.0000064) | 0.00402 (0.00186, 0.00768) | 1.1 (0.5, 2.0)      | 0.0000042 (0.0000020, 0.0000076) | 0.00769 (0.00381, 0.01344) |
| Sumatera Barat | Ischemic heart disease                                   | 5   | 0.7 (0.2, 1.4)      | 0.0000023 (0.0000008, 0.0000050) | 0.00282 (0.00110, 0.00589) | 0.8 (0.3, 1.6)      | 0.0000029 (0.0000011, 0.0000059) | 0.0053 (0.00211, 0.01015)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 5   | 1.4 (0.6, 3.1)      | 0.0000049 (0.0000020, 0.0000108) | 0.00608 (0.00252, 0.01280) | 1.5 (0.6, 2.9)      | 0.0000055 (0.0000024, 0.0000110) | 0.00999 (0.00463, 0.01943) |
| Sumatera Barat | Diabetes mellitus                                        | 5   | 0.9 (0.3, 2.1)      | 0.0000032 (0.0000011, 0.0000072) | 0.00394 (0.00151, 0.00881) | 1.3 (0.5, 3.0)      | 0.000005 (0.0000019, 0.0000113)  | 0.00922 (0.00372, 0.02054) |
| Sumatera Barat | Chronic kidney disease                                   | 5   | 2.6 (1.3, 4.7)      | 0.000009 (0.0000044, 0.0000164)  | 0.01131 (0.00584, 0.01984) | 2.7 (1.4, 4.7)      | 0.0000101 (0.0000052, 0.0000176) | 0.01844 (0.00987, 0.03116) |
| Sumatera Barat | Cirrhosis                                                | 5   | 6.3 (3.4, 10.7)     | 0.0000218 (0.0000116, 0.0000370) | 0.02726 (0.01537, 0.04290) | 3.1 (1.7, 5.1)      | 0.0000116 (0.0000064, 0.0000192) | 0.02123 (0.01209, 0.03303) |
| Sumatera Barat | Chronic respiratory diseases                             | 5   | 5.9 (3.0, 10.3)     | 0.0000205 (0.0000103, 0.0000358) | 0.02555 (0.01429, 0.04179) | 2.4 (1.2, 4.3)      | 0.0000091 (0.0000045, 0.0000163) | 0.01666 (0.00885, 0.02762) |
| Sumatera Barat | Other non-communicable diseases                          | 5   | 17.5 (12.0, 25.1)   | 0.0000604 (0.0000415, 0.0000867) | 0.07554 (0.05568, 0.09813) | 18.7 (13.7, 25.1)   | 0.0000701 (0.0000516, 0.0000944) | 0.12791 (0.09918, 0.15843) |
| Sumatera Barat | Drowning                                                 | 5   | 34.3 (20.8, 51.7)   | 0.0001186 (0.0000720, 0.0001787) | 0.14817 (0.09838, 0.20688) | 13.8 (8.3, 21.0)    | 0.0000517 (0.0000311, 0.0000788) | 0.09434 (0.05890, 0.13529) |
| Sumatera Barat | Falls                                                    | 5   | 6.1 (3.1, 10.5)     | 0.0000212 (0.0000107, 0.0000363) | 0.02661 (0.01433, 0.04460) | 3.1 (1.7, 5.3)      | 0.0000116 (0.0000062, 0.0000199) | 0.02123 (0.01164, 0.03585) |
| Sumatera Barat | Interpersonal violence                                   | 5   | 1.0 (0.4, 2.3)      | 0.0000036 (0.0000014, 0.0000078) | 0.00444 (0.00190, 0.00921) | 0.8 (0.4, 1.7)      | 0.0000032 (0.0000014, 0.0000065) | 0.00577 (0.00253, 0.01176) |
| Sumatera Barat | Transport injuries                                       | 5   | 37.8 (24.8, 53.3)   | 0.0001305 (0.0000858, 0.0001842) | 0.1632 (0.11607, 0.21093)  | 15.2 (9.9, 22.0)    | 0.000057 (0.0000374, 0.0000825)  | 0.10402 (0.07094, 0.14092) |
| Sumatera Barat | Other unintentional injuries                             | 5   | 11.2 (6.7, 17.6)    | 0.0000387 (0.0000231, 0.0000610) | 0.0484 (0.03095, 0.07473)  | 5.4 (3.3, 8.5)      | 0.0000202 (0.0000124, 0.0000319) | 0.03698 (0.02286, 0.05751) |
| Sumatera Barat | Diarrheal diseases                                       | 10  | 7.5 (4.6, 11.5)     | 0.0000262 (0.0000161, 0.0000403) | 0.03173 (0.02004, 0.04687) | 6.4 (4.0, 9.6)      | 0.0000238 (0.0000147, 0.0000353) | 0.04659 (0.02992, 0.06650) |
| Sumatera Barat | HIV/AIDS                                                 | 10  | 0.9 (0.3, 2.0)      | 0.0000032 (0.0000011, 0.0000069) | 0.00384 (0.00132, 0.00823) | 0.6 (0.2, 1.2)      | 0.0000021 (0.0000007, 0.0000046) | 0.00409 (0.00145, 0.00879) |
| Sumatera Barat | Lower respiratory infections                             | 10  | 14.0 (9.5, 19.7)    | 0.0000492 (0.0000333, 0.0000690) | 0.05959 (0.04299, 0.08084) | 8.6 (6.0, 12.0)     | 0.0000317 (0.0000223, 0.0000442) | 0.06206 (0.04580, 0.08268) |
| Sumatera Barat | Malaria                                                  | 10  | 0.3 (0.1, 0.9)      | 0.0000012 (0.0000003, 0.0000030) | 0.0014 (0.00035, 0.00368)  | 0.2 (0.1, 0.5)      | 0.0000008 (0.0000002, 0.0000020) | 0.00149 (0.00036, 0.00377) |
| Sumatera Barat | Tuberculosis                                             | 10  | 8.9 (5.7, 13.0)     | 0.0000311 (0.0000201, 0.0000454) | 0.03769 (0.02504, 0.05248) | 5.9 (3.8, 8.2)      | 0.0000217 (0.0000142, 0.0000305) | 0.04239 (0.02917, 0.05715) |
| Sumatera Barat | Maternal disorders                                       | 10  |                     |                                  |                            | 0.8 (0.1, 2.1)      | 0.000003 (0.0000005, 0.0000076)  | 0.0058 (0.00108, 0.01512)  |
| Sumatera Barat | Other communicable diseases                              | 10  | 44.2 (34.4, 55.7)   | 0.0001549 (0.0001207, 0.0001953) | 0.1876 (0.15640, 0.22016)  | 26.8 (21.4, 33.5)   | 0.0000988 (0.0000792, 0.0001236) | 0.19329 (0.16336, 0.22780) |
| Sumatera Barat | Other malignant neoplasms                                | 10  | 13.1 (8.9, 18.4)    | 0.0000459 (0.0000311, 0.0000643) | 0.05564 (0.04000, 0.07374) | 12.0 (8.9, 15.7)    | 0.0000441 (0.0000330, 0.0000579) | 0.08636 (0.06711, 0.10962) |
| Sumatera Barat | Cerebrovascular disease                                  | 10  | 1.6 (0.9, 2.6)      | 0.0000055 (0.0000031, 0.0000091) | 0.00663 (0.00392, 0.01071) | 1.7 (1.0, 2.7)      | 0.0000064 (0.0000039, 0.0000101) | 0.01256 (0.00768, 0.01974) |
| Sumatera Barat | Ischemic heart disease                                   | 10  | 1.6 (0.9, 2.7)      | 0.0000058 (0.0000032, 0.0000094) | 0.007 (0.00414, 0.01109)   | 1.8 (1.1, 2.8)      | 0.0000066 (0.0000041, 0.0000103) | 0.01297 (0.00821, 0.01912) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 10  | 2.1 (1.2, 3.7)       | 0.0000075 (0.0000040, 0.0000131) | 0.0091 (0.00500, 0.01571)  | 2.1 (1.2, 3.5)    | 0.0000078 (0.0000043, 0.0000128) | 0.01524 (0.00892, 0.02441) |
| Sumatera Barat | Diabetes mellitus                             | 10  | 1.3 (0.7, 2.3)       | 0.0000046 (0.0000024, 0.0000079) | 0.00557 (0.00294, 0.00949) | 1.9 (1.0, 3.1)    | 0.0000069 (0.0000037, 0.0000114) | 0.01343 (0.00761, 0.02182) |
| Sumatera Barat | Chronic kidney disease                        | 10  | 3.7 (2.2, 5.8)       | 0.000013 (0.0000078, 0.0000204)  | 0.0158 (0.00995, 0.02351)  | 3.7 (2.3, 5.5)    | 0.0000137 (0.0000085, 0.0000203) | 0.02676 (0.01734, 0.03862) |
| Sumatera Barat | Cirrhosis                                     | 10  | 7.4 (4.9, 10.8)      | 0.0000259 (0.0000171, 0.0000377) | 0.03131 (0.02157, 0.04387) | 3.4 (2.2, 5.0)    | 0.0000125 (0.0000081, 0.0000183) | 0.0245 (0.01654, 0.03442)  |
| Sumatera Barat | Chronic respiratory diseases                  | 10  | 11.2 (7.4, 16.2)     | 0.0000394 (0.0000258, 0.0000568) | 0.04767 (0.03251, 0.06637) | 4.8 (3.1, 7.3)    | 0.0000178 (0.0000114, 0.0000270) | 0.03485 (0.02289, 0.05134) |
| Sumatera Barat | Other non-communicable diseases               | 10  | 20.9 (15.8, 27.1)    | 0.0000734 (0.0000554, 0.0000950) | 0.08891 (0.07203, 0.10835) | 20.8 (16.4, 26.5) | 0.0000768 (0.0000604, 0.0000978) | 0.15024 (0.12633, 0.17617) |
| Sumatera Barat | Drowning                                      | 10  | 18.5 (10.8, 29.3)    | 0.0000649 (0.0000379, 0.0001027) | 0.07861 (0.04761, 0.11846) | 5.9 (3.2, 9.8)    | 0.0000217 (0.0000117, 0.0000363) | 0.04243 (0.02334, 0.07015) |
| Sumatera Barat | Falls                                         | 10  | 5.6 (3.0, 10.0)      | 0.0000197 (0.0000106, 0.0000350) | 0.02391 (0.01327, 0.04229) | 2.4 (1.2, 4.3)    | 0.0000088 (0.0000046, 0.0000160) | 0.01712 (0.00926, 0.03100) |
| Sumatera Barat | Interpersonal violence                        | 10  | 1.6 (0.9, 2.9)       | 0.0000058 (0.0000031, 0.0000102) | 0.00696 (0.00400, 0.01201) | 1.2 (0.7, 2.0)    | 0.0000045 (0.0000025, 0.0000075) | 0.00874 (0.00502, 0.01440) |
| Sumatera Barat | Self-harm                                     | 10  | 3.2 (1.4, 6.2)       | 0.0000113 (0.0000049, 0.0000216) | 0.01369 (0.00593, 0.02571) | 2.0 (0.9, 3.6)    | 0.0000075 (0.0000035, 0.0000135) | 0.01472 (0.00695, 0.02601) |
| Sumatera Barat | Transport injuries                            | 10  | 56.3 (42.5, 71.3)    | 0.0001972 (0.0001488, 0.0002499) | 0.2388 (0.19480, 0.28218)  | 20.7 (15.0, 27.2) | 0.0000766 (0.0000555, 0.0001004) | 0.14964 (0.11453, 0.18434) |
| Sumatera Barat | Other unintentional injuries                  | 10  | 11.4 (7.5, 16.8)     | 0.0000401 (0.0000261, 0.0000587) | 0.04853 (0.03332, 0.06775) | 4.8 (3.0, 7.2)    | 0.0000178 (0.0000110, 0.0000264) | 0.03472 (0.02256, 0.05081) |
| Sumatera Barat | Diarrheal diseases                            | 15  | 4.9 (2.7, 8.0)       | 0.000021 (0.0000115, 0.0000339)  | 0.01397 (0.00785, 0.02179) | 3.4 (1.9, 5.3)    | 0.0000143 (0.0000081, 0.0000222) | 0.0188 (0.01068, 0.02893)  |
| Sumatera Barat | HIV/AIDS                                      | 15  | 1.0 (0.3, 2.6)       | 0.0000044 (0.0000013, 0.0000109) | 0.00292 (0.00090, 0.00669) | 0.5 (0.2, 1.3)    | 0.0000023 (0.0000007, 0.0000055) | 0.00299 (0.00096, 0.00739) |
| Sumatera Barat | Lower respiratory infections                  | 15  | 8.5 (5.5, 12.4)      | 0.000036 (0.0000234, 0.0000526)  | 0.02399 (0.01654, 0.03370) | 3.6 (2.3, 5.2)    | 0.000015 (0.0000096, 0.0000218)  | 0.01965 (0.01302, 0.02841) |
| Sumatera Barat | Malaria                                       | 15  | 1.0 (0.3, 2.4)       | 0.0000042 (0.0000011, 0.0000102) | 0.00279 (0.00079, 0.00654) | 0.6 (0.1, 1.5)    | 0.0000025 (0.0000006, 0.0000061) | 0.00333 (0.00083, 0.00788) |
| Sumatera Barat | Tuberculosis                                  | 15  | 20.8 (15.3, 28.0)    | 0.0000882 (0.0000651, 0.0001192) | 0.05883 (0.04561, 0.07465) | 11.3 (8.4, 14.7)  | 0.0000474 (0.0000353, 0.0000619) | 0.06218 (0.04828, 0.07927) |
| Sumatera Barat | Maternal disorders                            | 15  |                      |                                  |                            | 4.2 (2.3, 6.5)    | 0.0000175 (0.0000097, 0.0000274) | 0.02297 (0.01281, 0.03565) |
| Sumatera Barat | Other communicable diseases                   | 15  | 37.3 (27.9, 49.0)    | 0.0001583 (0.0001185, 0.0002081) | 0.10548 (0.08474, 0.12725) | 16.7 (12.6, 21.2) | 0.0000704 (0.0000532, 0.0000893) | 0.09246 (0.07240, 0.11348) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 15  | 1.7 (0.5, 3.6)       | 0.0000072 (0.0000023, 0.0000155) | 0.00477 (0.00161, 0.01024) | 0.6 (0.2, 1.2)    | 0.0000023 (0.0000008, 0.0000052) | 0.00309 (0.00101, 0.00688) |
| Sumatera Barat | Breast cancer                                 | 15  | 0.1 (0.0, 0.4)       | 0.0000004 (0.0000000, 0.0000016) | 0.00028 (0.00003, 0.00100) | 2.7 (0.9, 5.6)    | 0.0000113 (0.0000039, 0.0000235) | 0.01492 (0.00504, 0.03138) |
| Sumatera Barat | Cervical cancer                               | 15  |                      |                                  |                            | 1.0 (0.3, 2.5)    | 0.0000043 (0.0000012, 0.0000106) | 0.00568 (0.00169, 0.01392) |
| Sumatera Barat | Other malignant neoplasms                     | 15  | 17.2 (12.2, 23.4)    | 0.0000732 (0.0000517, 0.0000996) | 0.04873 (0.03731, 0.06281) | 17.0 (12.1, 22.1) | 0.0000715 (0.0000511, 0.0000930) | 0.09393 (0.07034, 0.12004) |
| Sumatera Barat | Cerebrovascular disease                       | 15  | 3.5 (2.0, 5.5)       | 0.0000148 (0.0000086, 0.0000235) | 0.00986 (0.00605, 0.01495) | 2.9 (1.7, 4.6)    | 0.0000123 (0.0000073, 0.0000192) | 0.01621 (0.00979, 0.02487) |
| Sumatera Barat | Ischemic heart disease                        | 15  | 6.5 (4.3, 9.5)       | 0.0000277 (0.0000184, 0.0000402) | 0.01849 (0.01268, 0.02559) | 4.9 (3.3, 7.0)    | 0.0000204 (0.0000138, 0.0000294) | 0.02683 (0.01857, 0.03741) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 15  | 4.0 (2.3, 6.5)       | 0.0000169 (0.0000098, 0.0000276) | 0.01131 (0.00663, 0.01753) | 3.6 (1.9, 5.8)    | 0.0000151 (0.0000081, 0.0000245) | 0.01984 (0.01084, 0.03140) |
| Sumatera Barat | Diabetes mellitus                             | 15  | 2.4 (1.3, 4.0)       | 0.0000103 (0.0000056, 0.0000170) | 0.00689 (0.00395, 0.01133) | 3.2 (1.8, 5.3)    | 0.0000136 (0.0000077, 0.0000224) | 0.01786 (0.01015, 0.02846) |
| Sumatera Barat | Chronic kidney disease                        | 15  | 6.4 (4.1, 9.6)       | 0.0000273 (0.0000173, 0.0000410) | 0.01818 (0.01232, 0.02673) | 6.3 (4.0, 9.4)    | 0.0000264 (0.0000170, 0.0000394) | 0.03465 (0.02280, 0.05146) |
| Sumatera Barat | Cirrhosis                                     | 15  | 10.3 (6.7, 14.6)     | 0.0000436 (0.0000285, 0.0000619) | 0.02906 (0.02008, 0.04072) | 4.0 (2.5, 6.1)    | 0.0000169 (0.0000107, 0.0000257) | 0.02216 (0.01419, 0.03295) |
| Sumatera Barat | Chronic respiratory diseases                  | 15  | 12.2 (8.1, 17.2)     | 0.0000517 (0.0000342, 0.0000729) | 0.03445 (0.02391, 0.04726) | 5.9 (3.8, 8.6)    | 0.0000249 (0.0000161, 0.0000361) | 0.03267 (0.02112, 0.04735) |
| Sumatera Barat | Other non-communicable diseases               | 15  | 30.0 (23.0, 38.2)    | 0.0001277 (0.0000978, 0.0001623) | 0.0851 (0.07003, 0.10090)  | 24.5 (19.4, 30.2) | 0.0001031 (0.0000815, 0.0001273) | 0.13535 (0.11086, 0.16128) |
| Sumatera Barat | Drowning                                      | 15  | 9.3 (5.0, 15.5)      | 0.0000397 (0.0000214, 0.0000660) | 0.02642 (0.01442, 0.04264) | 1.8 (0.8, 3.2)    | 0.0000074 (0.0000033, 0.0000133) | 0.00971 (0.00451, 0.01743) |
| Sumatera Barat | Falls                                         | 15  | 5.0 (3.0, 8.1)       | 0.0000213 (0.0000126, 0.0000345) | 0.01424 (0.00864, 0.02233) | 1.5 (0.8, 2.6)    | 0.0000061 (0.0000033, 0.0000109) | 0.00807 (0.00443, 0.01407) |
| Sumatera Barat | Interpersonal violence                        | 15  | 4.0 (2.5, 6.1)       | 0.000017 (0.0000106, 0.0000261)  | 0.01132 (0.00720, 0.01694) | 2.9 (1.5, 5.0)    | 0.0000122 (0.0000064, 0.0000209) | 0.01601 (0.00851, 0.02669) |
| Sumatera Barat | Self-harm                                     | 15  | 6.6 (4.0, 9.9)       | 0.0000282 (0.0000169, 0.0000419) | 0.01881 (0.01192, 0.02728) | 4.3 (2.5, 6.9)    | 0.0000182 (0.0000105, 0.0000289) | 0.02389 (0.01424, 0.03790) |
| Sumatera Barat | Transport injuries                            | 15  | 143.2 (115.3, 174.9) | 0.0006088 (0.0004899, 0.0007432) | 0.40564 (0.37479, 0.43929) | 47.7 (39.2, 56.9) | 0.0002009 (0.0001647, 0.0002394) | 0.2637 (0.22817, 0.30102)  |
| Sumatera Barat | Other unintentional injuries                  | 15  | 17.1 (11.7, 23.7)    | 0.0000727 (0.0000496, 0.0001009) | 0.04847 (0.03472, 0.06540) | 6.0 (3.7, 9.3)    | 0.0000252 (0.0000157, 0.0000393) | 0.03303 (0.02109, 0.05008) |
| Sumatera Barat | Diarrheal diseases                            | 20  | 5.0 (2.8, 8.2)       | 0.0000252 (0.0000142, 0.0000412) | 0.01242 (0.00739, 0.01947) | 2.9 (1.7, 4.3)    | 0.0000139 (0.0000081, 0.0000211) | 0.01561 (0.00940, 0.02348) |
| Sumatera Barat | HIV/AIDS                                      | 20  | 3.7 (1.4, 7.6)       | 0.0000187 (0.0000071, 0.0000384) | 0.00921 (0.00371, 0.01861) | 1.5 (0.5, 3.0)    | 0.0000074 (0.0000026, 0.0000145) | 0.00827 (0.00321, 0.01599) |
| Sumatera Barat | Lower respiratory infections                  | 20  | 8.6 (5.4, 12.9)      | 0.0000432 (0.0000273, 0.0000649) | 0.02132 (0.01428, 0.03046) | 2.6 (1.6, 3.9)    | 0.0000125 (0.0000078, 0.0000191) | 0.01408 (0.00913, 0.02088) |
| Sumatera Barat | Malaria                                       | 20  | 1.3 (0.3, 3.1)       | 0.0000065 (0.0000017, 0.0000159) | 0.00322 (0.00088, 0.00759) | 0.6 (0.2, 1.6)    | 0.0000032 (0.0000007, 0.0000075) | 0.00354 (0.00083, 0.00874) |
| Sumatera Barat | Tuberculosis                                  | 20  | 44.7 (32.8, 58.3)    | 0.0002255 (0.0001654, 0.0002944) | 0.11127 (0.09181, 0.13341) | 16.5 (12.6, 21.0) | 0.0000801 (0.0000609, 0.0001016) | 0.09001 (0.07210, 0.10909) |
| Sumatera Barat | Maternal disorders                            | 20  |                      |                                  |                            | 9.4 (6.0, 13.4)   | 0.0000457 (0.0000292, 0.0000649) | 0.05131 (0.03447, 0.07122) |
| Sumatera Barat | Other communicable diseases                   | 20  | 48.3 (36.0, 63.6)    | 0.0002438 (0.0001816, 0.0003209) | 0.12016 (0.09923, 0.14400) | 18.1 (13.8, 22.8) | 0.0000879 (0.0000667, 0.0001105) | 0.0988 (0.07747, 0.12026)  |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 20  | 1.5 (0.5, 3.2)       | 0.0000074 (0.0000025, 0.0000164) | 0.00361 (0.00134, 0.00776) | 0.7 (0.3, 1.6)    | 0.0000036 (0.0000014, 0.0000076) | 0.00408 (0.00152, 0.00828) |
| Sumatera Barat | Breast cancer                                 | 20  | 0.1 (0.0, 0.4)       | 0.0000007 (0.0000002, 0.0000020) | 0.00035 (0.00008, 0.00095) | 7.0 (4.2, 10.8)   | 0.0000341 (0.0000203, 0.0000522) | 0.03832 (0.02173, 0.05851) |
| Sumatera Barat | Cervical cancer                               | 20  |                      |                                  |                            | 2.0 (0.8, 4.0)    | 0.0000095 (0.0000040, 0.0000195) | 0.01064 (0.00455, 0.02112) |
| Sumatera Barat | Other malignant neoplasms                     | 20  | 15.9 (11.2, 22.3)    | 0.0000802 (0.0000564, 0.0001124) | 0.03957 (0.03010, 0.05071) | 16.4 (12.1, 21.6) | 0.0000797 (0.0000585, 0.0001049) | 0.08956 (0.06657, 0.11413) |
| Sumatera Barat | Cerebrovascular disease                       | 20  | 6.6 (4.3, 9.3)       | 0.0000332 (0.0000219, 0.0000469) | 0.01639 (0.01184, 0.02146) | 4.2 (3.0, 5.8)    | 0.0000205 (0.0000144, 0.0000282) | 0.02304 (0.01660, 0.03073) |
| Sumatera Barat | Ischemic heart disease                        | 20  | 12.0 (8.1, 16.6)     | 0.0000604 (0.0000409, 0.0000836) | 0.02979 (0.02238, 0.03844) | 5.3 (3.9, 7.2)    | 0.0000259 (0.0000187, 0.0000350) | 0.0291 (0.02102, 0.03774)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 20  | 6.1 (3.7, 9.2)       | 0.0000308 (0.0000189, 0.0000462) | 0.0152 (0.00995, 0.02119)  | 4.7 (3.2, 6.7)    | 0.000023 (0.0000154, 0.0000326)  | 0.02585 (0.01806, 0.03565) |
| Sumatera Barat | Diabetes mellitus                             | 20  | 2.3 (1.3, 3.6)       | 0.0000116 (0.0000066, 0.0000179) | 0.00572 (0.00336, 0.00831) | 2.7 (1.6, 4.1)    | 0.0000129 (0.0000078, 0.0000196) | 0.01453 (0.00885, 0.02152) |
| Sumatera Barat | Chronic kidney disease                        | 20  | 9.8 (6.4, 14.2)      | 0.0000493 (0.0000325, 0.0000714) | 0.0243 (0.01734, 0.03322)  | 8.3 (5.8, 11.6)   | 0.0000401 (0.0000279, 0.0000560) | 0.04499 (0.03264, 0.06149) |
| Sumatera Barat | Cirrhosis                                     | 20  | 15.8 (10.6, 22.4)    | 0.0000799 (0.0000537, 0.0001132) | 0.03938 (0.02896, 0.05182) | 5.5 (3.8, 7.6)    | 0.0000265 (0.0000182, 0.0000368) | 0.02981 (0.02072, 0.04121) |
| Sumatera Barat | Chronic respiratory diseases                  | 20  | 24.4 (17.0, 33.6)    | 0.0001229 (0.0000856, 0.0001694) | 0.06057 (0.04666, 0.07612) | 12.7 (9.4, 16.8)  | 0.0000613 (0.0000454, 0.0000816) | 0.0689 (0.05241, 0.08674)  |
| Sumatera Barat | Other non-communicable diseases               | 20  | 28.8 (21.1, 37.5)    | 0.0001456 (0.0001064, 0.0001895) | 0.07179 (0.05914, 0.08616) | 19.3 (15.4, 24.0) | 0.0000934 (0.0000745, 0.0001163) | 0.10488 (0.08646, 0.12350) |
| Sumatera Barat | Drowning                                      | 20  | 6.8 (3.2, 12.1)      | 0.0000343 (0.0000163, 0.0000610) | 0.01688 (0.00877, 0.02864) | 1.0 (0.4, 2.0)    | 0.0000049 (0.0000021, 0.0000096) | 0.00549 (0.00251, 0.01074) |
| Sumatera Barat | Falls                                         | 20  | 5.0 (2.8, 8.1)       | 0.0000251 (0.0000143, 0.0000410) | 0.0124 (0.00733, 0.01951)  | 1.1 (0.6, 2.1)    | 0.0000055 (0.0000030, 0.0000101) | 0.00621 (0.00345, 0.01098) |
| Sumatera Barat | Interpersonal violence                        | 20  | 4.9 (3.0, 7.5)       | 0.0000245 (0.0000150, 0.0000379) | 0.01209 (0.00786, 0.01810) | 2.7 (1.5, 4.6)    | 0.0000131 (0.0000073, 0.0000224) | 0.01474 (0.00834, 0.02404) |
| Sumatera Barat | Self-harm                                     | 20  | 6.9 (4.3, 10.5)      | 0.0000348 (0.0000215, 0.0000529) | 0.01717 (0.01154, 0.02539) | 3.5 (2.0, 5.7)    | 0.0000168 (0.0000097, 0.0000274) | 0.0189 (0.01138, 0.02994)  |
| Sumatera Barat | Transport injuries                            | 20  | 124.2 (95.7, 159.2)  | 0.0006271 (0.0004829, 0.0008037) | 0.3092 (0.27576, 0.34187)  | 29.5 (23.0, 36.6) | 0.0001432 (0.0001115, 0.0001773) | 0.16079 (0.13317, 0.18976) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Other unintentional injuries                  | 20  | 19.3 (12.9, 27.4)  | 0.0000974 (0.0000652, 0.0001383) | 0.048 (0.03450, 0.06447)   | 5.2 (3.3, 8.0)    | 0.0000254 (0.0000160, 0.0000389) | 0.02854 (0.01852, 0.04205) |
| Sumatera Barat | Diarrheal diseases                            | 25  | 7.8 (4.7, 12.1)    | 0.0000379 (0.0000230, 0.0000593) | 0.01608 (0.01024, 0.02341) | 3.7 (2.4, 5.6)    | 0.0000179 (0.0000113, 0.0000270) | 0.01753 (0.01141, 0.02542) |
| Sumatera Barat | HIV/AIDS                                      | 25  | 7.5 (3.4, 13.9)    | 0.0000367 (0.0000168, 0.0000680) | 0.01557 (0.00752, 0.02726) | 2.6 (1.1, 4.9)    | 0.0000125 (0.0000054, 0.0000237) | 0.01221 (0.00545, 0.02286) |
| Sumatera Barat | Lower respiratory infections                  | 25  | 9.7 (6.1, 14.4)    | 0.0000473 (0.0000298, 0.0000703) | 0.02007 (0.01333, 0.02858) | 2.4 (1.5, 3.6)    | 0.0000115 (0.0000071, 0.0000175) | 0.01124 (0.00701, 0.01671) |
| Sumatera Barat | Malaria                                       | 25  | 1.6 (0.4, 3.8)     | 0.0000076 (0.0000021, 0.0000186) | 0.00321 (0.00092, 0.00762) | 0.6 (0.2, 1.5)    | 0.0000031 (0.0000008, 0.0000074) | 0.00304 (0.00078, 0.00749) |
| Sumatera Barat | Tuberculosis                                  | 25  | 68.5 (52.6, 87.4)  | 0.0003341 (0.0002566, 0.0004267) | 0.14183 (0.11891, 0.16534) | 20.4 (15.5, 26.7) | 0.0000981 (0.0000743, 0.0001282) | 0.09598 (0.07692, 0.11554) |
| Sumatera Barat | Maternal disorders                            | 25  |                    |                                  |                            | 16.2 (10.8, 22.6) | 0.0000777 (0.0000519, 0.0001084) | 0.07611 (0.05267, 0.10251) |
| Sumatera Barat | Other communicable diseases                   | 25  | 56.2 (41.3, 73.6)  | 0.0002741 (0.0002017, 0.0003590) | 0.1163 (0.09611, 0.13886)  | 17.6 (13.1, 23.1) | 0.0000847 (0.0000630, 0.0001112) | 0.08291 (0.06566, 0.10155) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 25  | 2.2 (0.8, 4.4)     | 0.0000106 (0.0000039, 0.0000212) | 0.00447 (0.00177, 0.00870) | 1.0 (0.4, 2.1)    | 0.0000049 (0.0000022, 0.0000100) | 0.00485 (0.00210, 0.00955) |
| Sumatera Barat | Breast cancer                                 | 25  | 0.2 (0.1, 0.5)     | 0.0000008 (0.0000003, 0.0000023) | 0.00036 (0.00011, 0.00090) | 14.2 (9.4, 20.2)  | 0.0000683 (0.0000450, 0.0000970) | 0.06692 (0.04631, 0.08974) |
| Sumatera Barat | Cervical cancer                               | 25  |                    |                                  |                            | 3.5 (1.6, 6.5)    | 0.0000168 (0.0000076, 0.0000310) | 0.01641 (0.00747, 0.03048) |
| Sumatera Barat | Other malignant neoplasms                     | 25  | 23.4 (17.3, 31.0)  | 0.0001142 (0.0000846, 0.0001514) | 0.04849 (0.03893, 0.06021) | 18.0 (13.1, 23.8) | 0.0000864 (0.0000628, 0.0001146) | 0.08461 (0.06358, 0.10661) |
| Sumatera Barat | Cerebrovascular disease                       | 25  | 13.3 (9.7, 17.8)   | 0.0000651 (0.0000472, 0.0000871) | 0.02764 (0.02183, 0.03379) | 7.4 (5.6, 9.6)    | 0.0000354 (0.0000267, 0.0000462) | 0.03462 (0.02749, 0.04266) |
| Sumatera Barat | Ischemic heart disease                        | 25  | 26.1 (19.6, 33.7)  | 0.0001273 (0.0000958, 0.0001645) | 0.05407 (0.04450, 0.06496) | 9.4 (7.0, 12.2)   | 0.0000452 (0.0000338, 0.0000587) | 0.04424 (0.03520, 0.05358) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 25  | 9.2 (6.1, 12.8)    | 0.0000447 (0.0000300, 0.0000627) | 0.01897 (0.01362, 0.02513) | 6.4 (4.5, 8.8)    | 0.0000305 (0.0000218, 0.0000422) | 0.02988 (0.02236, 0.03858) |
| Sumatera Barat | Diabetes mellitus                             | 25  | 4.3 (2.8, 6.3)     | 0.0000212 (0.0000137, 0.0000310) | 0.009 (0.00630, 0.01232)   | 4.3 (2.9, 6.2)    | 0.0000209 (0.0000140, 0.0000300) | 0.02044 (0.01449, 0.02779) |
| Sumatera Barat | Chronic kidney disease                        | 25  | 12.5 (8.7, 17.3)   | 0.000061 (0.0000424, 0.0000846)  | 0.02589 (0.01958, 0.03350) | 9.1 (6.5, 12.5)   | 0.0000439 (0.0000314, 0.0000601) | 0.04292 (0.03240, 0.05612) |
| Sumatera Barat | Cirrhosis                                     | 25  | 24.2 (17.4, 32.8)  | 0.0001181 (0.0000850, 0.0001602) | 0.05014 (0.03926, 0.06286) | 7.3 (5.1, 9.8)    | 0.000035 (0.0000243, 0.0000472)  | 0.03424 (0.02530, 0.04473) |
| Sumatera Barat | Chronic respiratory diseases                  | 25  | 33.4 (24.3, 44.4)  | 0.0001631 (0.0001186, 0.0002165) | 0.06921 (0.05512, 0.08442) | 15.9 (11.9, 21.0) | 0.0000766 (0.0000571, 0.0001009) | 0.07494 (0.05953, 0.09257) |
| Sumatera Barat | Other non-communicable diseases               | 25  | 38.0 (29.2, 49.8)  | 0.0001855 (0.0001427, 0.0002429) | 0.07873 (0.06617, 0.09130) | 22.2 (17.7, 28.0) | 0.0001069 (0.0000851, 0.0001343) | 0.10461 (0.08917, 0.12001) |
| Sumatera Barat | Drowning                                      | 25  | 4.6 (2.1, 8.7)     | 0.0000225 (0.0000102, 0.0000427) | 0.00953 (0.00439, 0.01729) | 0.6 (0.2, 1.2)    | 0.0000028 (0.0000012, 0.0000056) | 0.0027 (0.00118, 0.00535)  |
| Sumatera Barat | Falls                                         | 25  | 7.4 (4.4, 11.9)    | 0.0000363 (0.0000215, 0.0000581) | 0.01538 (0.00969, 0.02408) | 1.4 (0.8, 2.5)    | 0.0000069 (0.0000039, 0.0000121) | 0.00678 (0.00386, 0.01161) |
| Sumatera Barat | Interpersonal violence                        | 25  | 5.4 (3.3, 8.1)     | 0.0000262 (0.0000163, 0.0000397) | 0.01112 (0.00740, 0.01633) | 2.5 (1.4, 4.2)    | 0.0000121 (0.0000066, 0.0000202) | 0.01184 (0.00638, 0.01912) |
| Sumatera Barat | Self-harm                                     | 25  | 7.1 (4.4, 10.9)    | 0.0000348 (0.0000214, 0.0000530) | 0.01476 (0.00981, 0.02176) | 3.0 (1.7, 4.8)    | 0.0000144 (0.0000084, 0.0000233) | 0.01411 (0.00847, 0.02280) |
| Sumatera Barat | Transport injuries                            | 25  | 95.6 (72.9, 122.0) | 0.0004666 (0.0003557, 0.0005954) | 0.198 (0.16910, 0.22833)   | 17.1 (12.6, 22.2) | 0.0000882 (0.0000604, 0.0001068) | 0.08025 (0.06258, 0.09913) |
| Sumatera Barat | Other unintentional injuries                  | 25  | 24.7 (16.4, 34.9)  | 0.0001206 (0.0000803, 0.0001704) | 0.05118 (0.03732, 0.06881) | 5.7 (3.6, 8.4)    | 0.0000272 (0.0000171, 0.0000405) | 0.0266 (0.01723, 0.03804)  |
| Sumatera Barat | Diarrheal diseases                            | 30  | 8.7 (5.2, 13.2)    | 0.0000451 (0.0000271, 0.0000686) | 0.01708 (0.01089, 0.02503) | 4.3 (2.7, 6.6)    | 0.0000227 (0.0000143, 0.0000347) | 0.01805 (0.01167, 0.02606) |
| Sumatera Barat | HIV/AIDS                                      | 30  | 7.5 (3.4, 13.2)    | 0.000039 (0.0000178, 0.0000704)  | 0.01473 (0.00712, 0.02644) | 2.7 (1.2, 5.1)    | 0.0000141 (0.0000064, 0.0000266) | 0.01126 (0.00527, 0.02029) |
| Sumatera Barat | Lower respiratory infections                  | 30  | 8.9 (5.6, 13.3)    | 0.0000461 (0.0000293, 0.0000691) | 0.01743 (0.01176, 0.02458) | 2.4 (1.5, 3.7)    | 0.0000126 (0.0000081, 0.0000193) | 0.01 (0.00670, 0.01459)    |
| Sumatera Barat | Malaria                                       | 30  | 1.3 (0.4, 3.3)     | 0.0000069 (0.0000019, 0.0000173) | 0.00261 (0.00073, 0.00632) | 0.5 (0.1, 1.2)    | 0.0000026 (0.0000006, 0.0000064) | 0.0021 (0.00054, 0.00507)  |
| Sumatera Barat | Tuberculosis                                  | 30  | 68.4 (51.6, 86.8)  | 0.0003557 (0.0002683, 0.0004518) | 0.13454 (0.11323, 0.15582) | 19.3 (14.3, 25.7) | 0.0001013 (0.0000751, 0.0001348) | 0.08058 (0.06502, 0.09713) |
| Sumatera Barat | Maternal disorders                            | 30  |                    |                                  |                            | 16.7 (11.5, 23.5) | 0.0000877 (0.0000601, 0.0001235) | 0.06977 (0.04946, 0.09196) |
| Sumatera Barat | Other communicable diseases                   | 30  | 40.0 (28.9, 53.1)  | 0.0002079 (0.0001503, 0.0002766) | 0.07863 (0.06338, 0.09647) | 13.4 (9.7, 18.6)  | 0.0000705 (0.0000510, 0.0000978) | 0.05605 (0.04340, 0.06956) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 30  | 4.3 (1.8, 8.7)     | 0.0000225 (0.0000095, 0.0000454) | 0.0085 (0.00374, 0.01664)  | 1.2 (0.5, 2.3)    | 0.0000061 (0.0000029, 0.0000120) | 0.0049 (0.00235, 0.00933)  |
| Sumatera Barat | Breast cancer                                 | 30  | 0.2 (0.1, 0.6)     | 0.0000012 (0.0000003, 0.0000034) | 0.00043 (0.00011, 0.00122) | 21.4 (15.2, 28.9) | 0.0001121 (0.0000795, 0.0001516) | 0.08925 (0.06652, 0.11594) |
| Sumatera Barat | Cervical cancer                               | 30  |                    |                                  |                            | 5.7 (2.9, 10.6)   | 0.0000031 (0.0000015, 0.0000055) | 0.02388 (0.01250, 0.04078) |
| Sumatera Barat | Other malignant neoplasms                     | 30  | 29.3 (21.8, 39.2)  | 0.0001527 (0.0001135, 0.0002039) | 0.05778 (0.04678, 0.07147) | 18.3 (12.9, 25.2) | 0.0000959 (0.0000676, 0.0001322) | 0.07637 (0.05761, 0.09647) |
| Sumatera Barat | Cerebrovascular disease                       | 30  | 22.8 (17.2, 30.3)  | 0.0001187 (0.0000893, 0.0001579) | 0.04488 (0.03716, 0.05363) | 12.8 (9.8, 16.9)  | 0.0000669 (0.0000516, 0.0000886) | 0.05327 (0.04471, 0.06349) |
| Sumatera Barat | Ischemic heart disease                        | 30  | 42.6 (32.8, 54.4)  | 0.0002218 (0.0001708, 0.0002832) | 0.0839 (0.07205, 0.09754)  | 14.3 (11.1, 18.6) | 0.0000752 (0.0000580, 0.0000977) | 0.05984 (0.05007, 0.07014) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 30  | 11.8 (8.1, 16.4)   | 0.0000613 (0.0000421, 0.0000853) | 0.02317 (0.01703, 0.03018) | 8.2 (6.0, 11.2)   | 0.0000428 (0.0000313, 0.0000585) | 0.03407 (0.02605, 0.04307) |
| Sumatera Barat | Diabetes mellitus                             | 30  | 7.5 (5.0, 10.7)    | 0.000039 (0.0000259, 0.0000556)  | 0.01475 (0.01084, 0.01925) | 7.1 (5.0, 9.6)    | 0.0000375 (0.0000265, 0.0000505) | 0.02982 (0.02252, 0.03796) |
| Sumatera Barat | Chronic kidney disease                        | 30  | 14.3 (10.1, 19.8)  | 0.0000743 (0.0000525, 0.0001030) | 0.02808 (0.02146, 0.03624) | 9.7 (6.9, 13.5)   | 0.000051 (0.0000362, 0.0000706)  | 0.04054 (0.03101, 0.05171) |
| Sumatera Barat | Cirrhosis                                     | 30  | 32.7 (23.9, 44.2)  | 0.0001699 (0.0001241, 0.0002301) | 0.06427 (0.05183, 0.07917) | 10.1 (7.2, 14.0)  | 0.000053 (0.0000378, 0.0000733)  | 0.04219 (0.03227, 0.05343) |
| Sumatera Barat | Chronic respiratory diseases                  | 30  | 34.6 (25.1, 46.8)  | 0.0001801 (0.0001304, 0.0002435) | 0.06809 (0.05412, 0.08387) | 16.7 (12.5, 22.5) | 0.0000875 (0.0000653, 0.0001181) | 0.06962 (0.05636, 0.08428) |
| Sumatera Barat | Other non-communicable diseases               | 30  | 42.1 (32.4, 55.2)  | 0.0002189 (0.0001685, 0.0002871) | 0.08276 (0.07059, 0.09735) | 24.9 (19.9, 32.1) | 0.0001305 (0.0001043, 0.0001684) | 0.10383 (0.09031, 0.11823) |
| Sumatera Barat | Drowning                                      | 30  | 5.1 (2.4, 9.2)     | 0.0000265 (0.0000124, 0.0000477) | 0.01002 (0.00473, 0.01782) | 0.8 (0.4, 1.6)    | 0.0000044 (0.0000020, 0.0000085) | 0.00354 (0.00166, 0.00644) |
| Sumatera Barat | Falls                                         | 30  | 8.9 (5.2, 14.3)    | 0.0000462 (0.0000270, 0.0000746) | 0.01746 (0.01079, 0.02702) | 2.1 (1.2, 3.6)    | 0.0000111 (0.0000062, 0.0000188) | 0.00884 (0.00514, 0.01436) |
| Sumatera Barat | Interpersonal violence                        | 30  | 4.3 (2.6, 6.7)     | 0.0000225 (0.0000137, 0.0000347) | 0.00849 (0.00563, 0.01245) | 2.0 (1.1, 3.3)    | 0.0000104 (0.0000057, 0.0000173) | 0.00829 (0.00464, 0.01325) |
| Sumatera Barat | Self-harm                                     | 30  | 5.7 (3.5, 8.6)     | 0.0000294 (0.0000180, 0.0000447) | 0.01113 (0.00729, 0.01645) | 2.3 (1.4, 3.7)    | 0.0000118 (0.0000073, 0.0000193) | 0.00943 (0.00594, 0.01478) |
| Sumatera Barat | Transport injuries                            | 30  | 84.3 (64.2, 108.6) | 0.0004386 (0.0003343, 0.0005653) | 0.16584 (0.14117, 0.19246) | 16.9 (12.2, 22.8) | 0.0000888 (0.0000641, 0.0001196) | 0.07059 (0.05564, 0.08565) |
| Sumatera Barat | Other unintentional injuries                  | 30  | 23.1 (15.4, 32.8)  | 0.0001202 (0.0000804, 0.0001707) | 0.04544 (0.03320, 0.06065) | 5.7 (3.6, 8.7)    | 0.00003 (0.0000190, 0.0000456)   | 0.02392 (0.01614, 0.03380) |
| Sumatera Barat | Diarrheal diseases                            | 35  | 7.8 (4.8, 12.3)    | 0.0000439 (0.0000268, 0.0000692) | 0.01294 (0.00845, 0.01929) | 5.4 (3.4, 8.7)    | 0.0000298 (0.0000190, 0.0000480) | 0.01592 (0.01044, 0.02345) |
| Sumatera Barat | HIV/AIDS                                      | 35  | 6.6 (3.1, 12.3)    | 0.0000371 (0.0000176, 0.0000692) | 0.01092 (0.00541, 0.02007) | 3.2 (1.4, 6.1)    | 0.0000175 (0.0000080, 0.0000337) | 0.00937 (0.00430, 0.01795) |
| Sumatera Barat | Lower respiratory infections                  | 35  | 9.4 (6.1, 13.8)    | 0.0000526 (0.0000342, 0.0000774) | 0.01549 (0.01078, 0.02166) | 3.5 (2.3, 5.3)    | 0.0000196 (0.0000129, 0.0000294) | 0.0105 (0.00716, 0.01515)  |
| Sumatera Barat | Malaria                                       | 35  | 1.2 (0.3, 3.1)     | 0.0000069 (0.0000018, 0.0000173) | 0.00204 (0.00054, 0.00502) | 0.6 (0.2, 1.4)    | 0.0000033 (0.0000008, 0.0000078) | 0.00175 (0.00044, 0.00431) |
| Sumatera Barat | Tuberculosis                                  | 35  | 74.1 (56.9, 95.1)  | 0.0004159 (0.0003195, 0.0005336) | 0.12254 (0.10406, 0.14220) | 26.8 (20.3, 35.6) | 0.0001481 (0.0001123, 0.0001969) | 0.07918 (0.06510, 0.09511) |
| Sumatera Barat | Maternal disorders                            | 35  |                    |                                  |                            | 13.6 (8.6, 19.7)  | 0.0000752 (0.0000476, 0.0001093) | 0.04021 (0.02730, 0.05575) |
| Sumatera Barat | Other communicable diseases                   | 35  | 36.6 (26.8, 49.3)  | 0.0002055 (0.0001502, 0.0002767) | 0.06051 (0.04761, 0.07431) | 17.4 (12.4, 23.9) | 0.0000961 (0.0000688, 0.0001323) | 0.05133 (0.03988, 0.06453) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 35  | 3.5 (1.5, 6.7)     | 0.0000196 (0.0000085, 0.0000376) | 0.00576 (0.00267, 0.01061) | 1.8 (0.9, 3.2)    | 0.0000098 (0.0000047, 0.0000176) | 0.00526 (0.00263, 0.00957) |
| Sumatera Barat | Breast cancer                                 | 35  | 0.4 (0.1, 1.2)     | 0.0000025 (0.0000007, 0.0000067) | 0.00074 (0.00021, 0.00188) | 35.6 (26.2, 48.1) | 0.0001969 (0.0001452, 0.0002663) | 0.1053 (0.08152, 0.13103)  |
| Sumatera Barat | Cervical cancer                               | 35  |                    |                                  |                            | 10.4 (5.6, 18.0)  | 0.0000576 (0.0000310, 0.0000996) | 0.03077 (0.01733, 0.04955) |
| Sumatera Barat | Other malignant neoplasms                     | 35  | 44.2 (33.7, 58.1)  | 0.0002484 (0.0001892, 0.0003261) | 0.0732 (0.06060, 0.08752)  | 23.1 (15.7, 32.0) | 0.000128 (0.0000871, 0.0001769)  | 0.0684 (0.05125, 0.08755)  |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females            |                                   |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|-----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                     | CF (95% UI)                |
| Sumatera Barat | Cerebrovascular disease                       | 35  | 40.5 (31.2, 53.4)    | 0.0002271 (0.0001751, 0.0002996) | 0.06689 (0.05667, 0.07881) | 25.7 (19.9, 33.8)  | 0.0001422 (0.0001103, 0.0001869)  | 0.076 (0.06518, 0.08893)   |
| Sumatera Barat | Ischemic heart disease                        | 35  | 67.5 (53.0, 85.2)    | 0.000379 (0.0002975, 0.0004783)  | 0.11165 (0.09761, 0.12709) | 25.7 (19.7, 33.0)  | 0.0001424 (0.0001091, 0.0001826)  | 0.07614 (0.06468, 0.08795) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 35  | 17.0 (12.2, 23.5)    | 0.0000956 (0.0000682, 0.0001321) | 0.02816 (0.02169, 0.03565) | 12.9 (9.4, 17.6)   | 0.0000714 (0.0000521, 0.0000973)  | 0.03814 (0.02962, 0.04742) |
| Sumatera Barat | Diabetes mellitus                             | 35  | 15.4 (10.8, 21.1)    | 0.0000862 (0.0000608, 0.0001182) | 0.02537 (0.01951, 0.03161) | 15.5 (11.3, 21.0)  | 0.000086 (0.0000623, 0.0001162)   | 0.04593 (0.03573, 0.05726) |
| Sumatera Barat | Chronic kidney disease                        | 35  | 18.6 (13.4, 25.2)    | 0.0001042 (0.0000752, 0.0001416) | 0.03069 (0.02394, 0.03892) | 13.3 (9.5, 18.2)   | 0.0000735 (0.0000524, 0.0001006)  | 0.03924 (0.03094, 0.04999) |
| Sumatera Barat | Cirrhosis                                     | 35  | 44.1 (33.1, 58.5)    | 0.0002473 (0.0001860, 0.0003285) | 0.07289 (0.05960, 0.09036) | 15.3 (11.1, 20.8)  | 0.0000846 (0.0000615, 0.0001154)  | 0.04523 (0.03524, 0.05705) |
| Sumatera Barat | Chronic respiratory diseases                  | 35  | 45.4 (34.1, 60.1)    | 0.0002546 (0.0001916, 0.0003375) | 0.07497 (0.06084, 0.08839) | 22.5 (16.6, 30.2)  | 0.0001247 (0.0000916, 0.0001671)  | 0.06664 (0.05443, 0.08060) |
| Sumatera Barat | Other non-communicable diseases               | 35  | 48.9 (38.0, 63.5)    | 0.0002742 (0.0002134, 0.0003562) | 0.08076 (0.06910, 0.09388) | 32.3 (25.6, 42.5)  | 0.0001787 (0.0001416, 0.0002355)  | 0.09553 (0.08254, 0.11007) |
| Sumatera Barat | Drowning                                      | 35  | 6.6 (3.3, 12.4)      | 0.0000372 (0.0000185, 0.0000696) | 0.01096 (0.00563, 0.01975) | 1.5 (0.7, 2.9)     | 0.0000083 (0.0000037, 0.0000158)  | 0.00441 (0.00210, 0.00818) |
| Sumatera Barat | Falls                                         | 35  | 9.5 (5.6, 15.0)      | 0.0000531 (0.0000314, 0.0000844) | 0.01565 (0.00972, 0.02394) | 2.9 (1.6, 4.9)     | 0.0000016 (0.0000091, 0.0000273)  | 0.00857 (0.00502, 0.01371) |
| Sumatera Barat | Interpersonal violence                        | 35  | 4.1 (2.5, 6.4)       | 0.000023 (0.0000138, 0.0000357)  | 0.00676 (0.00432, 0.00994) | 2.1 (1.2, 3.5)     | 0.00000115 (0.0000064, 0.0000195) | 0.00616 (0.00357, 0.00989) |
| Sumatera Barat | Self-harm                                     | 35  | 5.8 (3.5, 8.9)       | 0.0000325 (0.0000195, 0.0000502) | 0.00958 (0.00621, 0.01409) | 2.5 (1.5, 4.0)     | 0.0000139 (0.0000084, 0.0000223)  | 0.0074 (0.00449, 0.01122)  |
| Sumatera Barat | Transport injuries                            | 35  | 74.2 (56.3, 98.3)    | 0.0004163 (0.0003159, 0.0005516) | 0.12255 (0.10160, 0.14466) | 17.7 (12.5, 24.1)  | 0.0000978 (0.0000692, 0.0001334)  | 0.05222 (0.04047, 0.06473) |
| Sumatera Barat | Other unintentional injuries                  | 35  | 23.6 (15.4, 33.7)    | 0.0001323 (0.0000867, 0.0001894) | 0.03898 (0.02761, 0.05221) | 6.9 (4.5, 10.9)    | 0.0000381 (0.0000250, 0.0000602)  | 0.02038 (0.01391, 0.02926) |
| Sumatera Barat | Diarrheal diseases                            | 40  | 8.8 (5.5, 13.5)      | 0.0000553 (0.0000348, 0.0000847) | 0.01137 (0.00763, 0.01620) | 7.2 (4.6, 10.6)    | 0.0000448 (0.0000285, 0.0000662)  | 0.01627 (0.01117, 0.02248) |
| Sumatera Barat | HIV/AIDS                                      | 40  | 3.5 (1.6, 6.6)       | 0.0000217 (0.0000101, 0.0000415) | 0.00448 (0.00211, 0.00830) | 2.0 (0.9, 3.9)     | 0.0000122 (0.0000053, 0.0000245)  | 0.00445 (0.00198, 0.00888) |
| Sumatera Barat | Lower respiratory infections                  | 40  | 9.1 (6.0, 13.3)      | 0.0000573 (0.0000375, 0.0000837) | 0.01182 (0.00812, 0.01633) | 4.2 (2.7, 6.2)     | 0.0000264 (0.0000172, 0.0000391)  | 0.0096 (0.00654, 0.01343)  |
| Sumatera Barat | Malaria                                       | 40  | 1.4 (0.4, 3.5)       | 0.0000086 (0.0000023, 0.0000222) | 0.00177 (0.00049, 0.00413) | 0.7 (0.2, 1.7)     | 0.0000046 (0.0000011, 0.0000107)  | 0.00167 (0.00041, 0.00395) |
| Sumatera Barat | Tuberculosis                                  | 40  | 72.9 (57.5, 92.2)    | 0.0004586 (0.0003617, 0.0005799) | 0.09452 (0.08089, 0.10892) | 30.3 (23.0, 39.5)  | 0.0001897 (0.0001442, 0.0002472)  | 0.06895 (0.05726, 0.08091) |
| Sumatera Barat | Maternal disorders                            | 40  |                      |                                  |                            | 3.6 (2.0, 6.0)     | 0.0000224 (0.0000124, 0.0000374)  | 0.00815 (0.00459, 0.01298) |
| Sumatera Barat | Other communicable diseases                   | 40  | 36.3 (26.7, 48.9)    | 0.0002281 (0.0001679, 0.0003077) | 0.04699 (0.03702, 0.05812) | 20.6 (15.4, 27.6)  | 0.0001292 (0.0000962, 0.0001727)  | 0.04699 (0.03718, 0.05831) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 40  | 7.2 (3.7, 12.6)      | 0.0000453 (0.0000235, 0.0000793) | 0.00932 (0.00510, 0.01568) | 2.4 (1.2, 4.3)     | 0.0000148 (0.0000073, 0.0000270)  | 0.00538 (0.00275, 0.00988) |
| Sumatera Barat | Breast cancer                                 | 40  | 0.9 (0.3, 2.3)       | 0.0000059 (0.0000020, 0.0000143) | 0.00121 (0.00043, 0.00289) | 52.0 (38.2, 68.4)  | 0.0003258 (0.0002391, 0.0004285)  | 0.11846 (0.09339, 0.14399) |
| Sumatera Barat | Cervical cancer                               | 40  |                      |                                  |                            | 13.9 (7.3, 23.7)   | 0.0000869 (0.0000456, 0.0001487)  | 0.03152 (0.01732, 0.05055) |
| Sumatera Barat | Other malignant neoplasms                     | 40  | 64.9 (49.9, 84.6)    | 0.0004084 (0.0003137, 0.0005321) | 0.08417 (0.06969, 0.10088) | 27.0 (18.4, 37.6)  | 0.000169 (0.0001150, 0.0002354)   | 0.06138 (0.04602, 0.07923) |
| Sumatera Barat | Cerebrovascular disease                       | 40  | 73.3 (58.1, 95.2)    | 0.0004612 (0.0003655, 0.0005989) | 0.095 (0.08286, 0.10853)   | 45.3 (36.2, 58.6)  | 0.0002834 (0.0002264, 0.0003670)  | 0.10299 (0.08931, 0.11753) |
| Sumatera Barat | Ischemic heart disease                        | 40  | 118.6 (95.3, 148.6)  | 0.0007456 (0.0005992, 0.0009348) | 0.15361 (0.13719, 0.17126) | 44.1 (34.6, 55.6)  | 0.0002759 (0.0002164, 0.0003480)  | 0.10029 (0.08703, 0.11398) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 40  | 27.7 (20.0, 37.9)    | 0.0001741 (0.0001259, 0.0002384) | 0.03587 (0.02791, 0.04444) | 19.9 (14.8, 26.8)  | 0.0001248 (0.0000927, 0.0001675)  | 0.04537 (0.03615, 0.05613) |
| Sumatera Barat | Diabetes mellitus                             | 40  | 36.7 (27.4, 48.8)    | 0.0002305 (0.0001723, 0.0003069) | 0.04746 (0.03818, 0.05783) | 34.2 (25.7, 45.6)  | 0.0002141 (0.0001608, 0.0002857)  | 0.07778 (0.06306, 0.09410) |
| Sumatera Barat | Chronic kidney disease                        | 40  | 27.4 (20.1, 37.4)    | 0.0001724 (0.0001262, 0.0002350) | 0.03551 (0.02823, 0.04482) | 18.1 (13.0, 24.8)  | 0.0001133 (0.0000814, 0.0001553)  | 0.04115 (0.03244, 0.05194) |
| Sumatera Barat | Cirrhosis                                     | 40  | 59.9 (45.4, 79.4)    | 0.000377 (0.0002856, 0.0004996)  | 0.07766 (0.06402, 0.09339) | 20.0 (14.3, 27.0)  | 0.0001249 (0.0000896, 0.0001693)  | 0.0454 (0.03541, 0.05711)  |
| Sumatera Barat | Chronic respiratory diseases                  | 40  | 60.7 (46.2, 79.2)    | 0.000382 (0.0002908, 0.0004980)  | 0.07867 (0.06528, 0.09273) | 28.0 (21.0, 37.8)  | 0.0001756 (0.0001314, 0.0002366)  | 0.0638 (0.05261, 0.07602)  |
| Sumatera Barat | Other non-communicable diseases               | 40  | 60.8 (47.7, 79.2)    | 0.0003821 (0.0002999, 0.0004982) | 0.0787 (0.06728, 0.09128)  | 38.8 (30.3, 50.8)  | 0.0002428 (0.0001898, 0.0003179)  | 0.08824 (0.07584, 0.10121) |
| Sumatera Barat | Drowning                                      | 40  | 3.3 (1.6, 6.5)       | 0.0000208 (0.0000100, 0.0000410) | 0.00429 (0.00209, 0.00818) | 0.8 (0.3, 1.6)     | 0.0000049 (0.0000021, 0.0000100)  | 0.00179 (0.00082, 0.00353) |
| Sumatera Barat | Falls                                         | 40  | 8.1 (4.9, 13.0)      | 0.0000512 (0.0000306, 0.0000815) | 0.01054 (0.00666, 0.01533) | 2.6 (1.5, 4.3)     | 0.0000161 (0.0000092, 0.0000270)  | 0.00583 (0.00346, 0.00943) |
| Sumatera Barat | Interpersonal violence                        | 40  | 3.5 (2.0, 5.7)       | 0.0000222 (0.0000125, 0.0000357) | 0.00457 (0.00255, 0.00676) | 1.7 (0.9, 2.8)     | 0.0000106 (0.0000054, 0.0000177)  | 0.00384 (0.00201, 0.00608) |
| Sumatera Barat | Self-harm                                     | 40  | 5.8 (3.6, 8.8)       | 0.0000363 (0.0000223, 0.0000553) | 0.00747 (0.00484, 0.01099) | 2.3 (1.3, 3.7)     | 0.0000145 (0.0000083, 0.0000231)  | 0.00525 (0.00318, 0.00814) |
| Sumatera Barat | Transport injuries                            | 40  | 61.2 (45.8, 81.6)    | 0.000385 (0.0002881, 0.0005133)  | 0.07933 (0.06375, 0.09568) | 14.3 (10.0, 19.9)  | 0.0000898 (0.0000628, 0.0001244)  | 0.0326 (0.02464, 0.04149)  |
| Sumatera Barat | Other unintentional injuries                  | 40  | 19.8 (12.9, 28.8)    | 0.0001247 (0.0000814, 0.0001809) | 0.02569 (0.01771, 0.03571) | 5.7 (3.5, 8.8)     | 0.0000354 (0.0000221, 0.0000552)  | 0.01285 (0.00834, 0.01893) |
| Sumatera Barat | Diarrheal diseases                            | 45  | 10.0 (6.5, 15.1)     | 0.0000708 (0.0000459, 0.0001065) | 0.01035 (0.00700, 0.01456) | 10.4 (7.1, 14.7)   | 0.000069 (0.0000470, 0.0000980)   | 0.01556 (0.01095, 0.02092) |
| Sumatera Barat | HIV/AIDS                                      | 45  | 1.9 (0.8, 4.0)       | 0.0000136 (0.0000058, 0.0000281) | 0.00199 (0.00088, 0.00400) | 1.4 (0.6, 2.8)     | 0.0000093 (0.0000038, 0.0000186)  | 0.0021 (0.00087, 0.00414)  |
| Sumatera Barat | Lower respiratory infections                  | 45  | 11.7 (8.0, 16.9)     | 0.0000826 (0.0000564, 0.0001192) | 0.01207 (0.00866, 0.01638) | 7.4 (4.9, 10.7)    | 0.0000494 (0.0000328, 0.0000712)  | 0.01113 (0.00783, 0.01526) |
| Sumatera Barat | Malaria                                       | 45  | 1.3 (0.4, 3.2)       | 0.0000094 (0.0000026, 0.0000229) | 0.00137 (0.00037, 0.00331) | 0.8 (0.2, 2.0)     | 0.0000056 (0.0000014, 0.0000135)  | 0.00127 (0.00032, 0.00312) |
| Sumatera Barat | Tuberculosis                                  | 45  | 80.3 (63.2, 100.8)   | 0.0005681 (0.0004472, 0.0007130) | 0.08305 (0.07056, 0.09430) | 42.7 (32.1, 54.2)  | 0.0002841 (0.0002141, 0.0003611)  | 0.06403 (0.05329, 0.07451) |
| Sumatera Barat | Maternal disorders                            | 45  |                      |                                  |                            | 1.0 (0.4, 1.9)     | 0.0000069 (0.0000029, 0.0000128)  | 0.00155 (0.00068, 0.00285) |
| Sumatera Barat | Other communicable diseases                   | 45  | 36.0 (26.4, 48.3)    | 0.0002545 (0.0001866, 0.0003417) | 0.0372 (0.02969, 0.04616)  | 26.6 (19.9, 34.4)  | 0.000177 (0.0001323, 0.0002288)   | 0.03992 (0.03194, 0.04971) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 45  | 9.9 (5.5, 16.6)      | 0.0000699 (0.0000388, 0.0001176) | 0.01019 (0.00592, 0.01681) | 3.6 (1.8, 6.5)     | 0.0000237 (0.0000120, 0.0000430)  | 0.00535 (0.00286, 0.00959) |
| Sumatera Barat | Breast cancer                                 | 45  | 1.3 (0.5, 3.0)       | 0.0000095 (0.0000036, 0.0000210) | 0.00138 (0.00054, 0.00307) | 67.5 (50.1, 89.1)  | 0.0004492 (0.0003334, 0.0005934)  | 0.10126 (0.08057, 0.12319) |
| Sumatera Barat | Cervical cancer                               | 45  |                      |                                  |                            | 16.8 (8.9, 28.6)   | 0.0001116 (0.0000594, 0.0001902)  | 0.02511 (0.01381, 0.04033) |
| Sumatera Barat | Other malignant neoplasms                     | 45  | 76.1 (59.5, 98.5)    | 0.0005382 (0.0004208, 0.0006964) | 0.07867 (0.06620, 0.09260) | 33.5 (23.3, 46.8)  | 0.0002228 (0.0001551, 0.0003115)  | 0.05019 (0.03739, 0.06500) |
| Sumatera Barat | Cerebrovascular disease                       | 45  | 114.4 (92.1, 145.8)  | 0.0008089 (0.0006510, 0.0010312) | 0.11821 (0.10478, 0.13384) | 87.4 (70.3, 109.5) | 0.0005819 (0.0004680, 0.0007295)  | 0.13114 (0.11627, 0.14679) |
| Sumatera Barat | Ischemic heart disease                        | 45  | 154.4 (125.8, 189.5) | 0.0010916 (0.0008896, 0.0013399) | 0.15952 (0.14420, 0.17672) | 73.9 (59.0, 91.4)  | 0.0004921 (0.0003926, 0.0006086)  | 0.11094 (0.09774, 0.12498) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 45  | 40.2 (29.6, 54.4)    | 0.0002845 (0.0002095, 0.0003847) | 0.04157 (0.03312, 0.05113) | 33.8 (25.3, 44.2)  | 0.0002251 (0.0001683, 0.0002945)  | 0.05074 (0.04096, 0.06164) |
| Sumatera Barat | Diabetes mellitus                             | 45  | 64.6 (48.7, 85.5)    | 0.0004565 (0.0003446, 0.0006047) | 0.06668 (0.05532, 0.07932) | 70.8 (53.7, 91.6)  | 0.0004713 (0.0003578, 0.0006097)  | 0.10616 (0.08875, 0.12449) |
| Sumatera Barat | Chronic kidney disease                        | 45  | 32.2 (23.7, 43.5)    | 0.0002275 (0.0001676, 0.0003078) | 0.03325 (0.02641, 0.04282) | 24.9 (18.2, 33.4)  | 0.0001656 (0.0001210, 0.0002222)  | 0.03731 (0.02936, 0.04722) |
| Sumatera Barat | Cirrhosis                                     | 45  | 68.5 (52.3, 91.0)    | 0.0004846 (0.0003702, 0.0006434) | 0.07081 (0.05867, 0.08592) | 28.1 (20.9, 37.0)  | 0.0001874 (0.0001392, 0.0002465)  | 0.04225 (0.03372, 0.05213) |
| Sumatera Barat | Chronic respiratory diseases                  | 45  | 87.9 (68.4, 111.9)   | 0.0006215 (0.0004835, 0.0007916) | 0.09081 (0.07763, 0.10477) | 46.3 (35.5, 59.7)  | 0.0003083 (0.0002362, 0.0003979)  | 0.06946 (0.05855, 0.08162) |
| Sumatera Barat | Other non-communicable diseases               | 45  | 68.1 (52.9, 88.2)    | 0.0004817 (0.0003741, 0.0006235) | 0.07036 (0.06084, 0.08217) | 52.5 (41.6, 67.3)  | 0.0003498 (0.0002768, 0.0004480)  | 0.07882 (0.06830, 0.09179) |
| Sumatera Barat | Drowning                                      | 45  | 2.5 (1.1, 5.2)       | 0.0000177 (0.0000080, 0.0000367) | 0.00258 (0.00122, 0.00537) | 0.8 (0.4, 1.7)     | 0.0000055 (0.0000025, 0.0000115)  | 0.00125 (0.00056, 0.00245) |
| Sumatera Barat | Falls                                         | 45  | 10.0 (6.2, 16.2)     | 0.0000706 (0.0000435, 0.0001145) | 0.0103 (0.00663, 0.01573)  | 4.2 (2.5, 6.9)     | 0.0000282 (0.0000168, 0.0000458)  | 0.00636 (0.00395, 0.01006) |
| Sumatera Barat | Interpersonal violence                        | 45  | 3.2 (1.8, 5.1)       | 0.0000227 (0.0000124, 0.0000361) | 0.00331 (0.00188, 0.00500) | 1.8 (0.9, 3.0)     | 0.0000121 (0.0000062, 0.0000197)  | 0.00272 (0.00145, 0.00438) |

# Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Self-harm                                     | 45  | 5.9 (3.7, 9.2)       | 0.0000418 (0.0000260, 0.0000654) | 0.0061 (0.00397, 0.00890)  | 2.7 (1.7, 4.3)       | 0.0000183 (0.0000110, 0.0000289) | 0.00412 (0.00254, 0.00617) |
| Sumatera Barat | Transport injuries                            | 45  | 67.3 (51.2, 87.5)    | 0.0004759 (0.0003620, 0.0006185) | 0.06954 (0.05605, 0.08414) | 20.4 (14.4, 27.6)    | 0.0001356 (0.0000959, 0.0001840) | 0.03054 (0.02338, 0.03840) |
| Sumatera Barat | Other unintentional injuries                  | 45  | 20.0 (12.8, 29.2)    | 0.0001416 (0.0000902, 0.0002063) | 0.02068 (0.01415, 0.02898) | 7.2 (4.4, 10.8)      | 0.0000476 (0.0000295, 0.0000717) | 0.01073 (0.00705, 0.01559) |
| Sumatera Barat | Diarrheal diseases                            | 50  | 17.0 (10.9, 24.3)    | 0.0001314 (0.0000842, 0.0001874) | 0.01263 (0.00869, 0.01726) | 16.8 (11.4, 23.3)    | 0.0001244 (0.0000847, 0.0001725) | 0.01855 (0.01337, 0.02444) |
| Sumatera Barat | HIV/AIDS                                      | 50  | 1.0 (0.4, 2.0)       | 0.0000076 (0.0000030, 0.0000156) | 0.00073 (0.00029, 0.00152) | 0.7 (0.3, 1.5)       | 0.0000052 (0.0000019, 0.0000111) | 0.00077 (0.00029, 0.00164) |
| Sumatera Barat | Lower respiratory infections                  | 50  | 18.3 (12.3, 26.4)    | 0.0001409 (0.0000950, 0.0002039) | 0.01353 (0.00974, 0.01825) | 11.7 (7.9, 16.3)     | 0.0000866 (0.0000583, 0.0001205) | 0.01292 (0.00931, 0.01739) |
| Sumatera Barat | Malaria                                       | 50  | 1.6 (0.5, 4.0)       | 0.0000127 (0.0000035, 0.0000312) | 0.00122 (0.00034, 0.00301) | 1.0 (0.2, 2.4)       | 0.0000071 (0.0000018, 0.0000175) | 0.00106 (0.00029, 0.00268) |
| Sumatera Barat | Tuberculosis                                  | 50  | 102.0 (80.1, 128.3)  | 0.0007871 (0.0006175, 0.0009896) | 0.07567 (0.06553, 0.08566) | 52.3 (40.4, 67.6)    | 0.0003871 (0.0002993, 0.0005004) | 0.05777 (0.04844, 0.06688) |
| Sumatera Barat | Maternal disorders                            | 50  |                      |                                  |                            | 0.6 (0.2, 1.3)       | 0.0000043 (0.0000014, 0.0000100) | 0.00064 (0.00021, 0.00147) |
| Sumatera Barat | Other communicable diseases                   | 50  | 47.1 (34.3, 61.8)    | 0.0003634 (0.0002645, 0.0004763) | 0.03492 (0.02821, 0.04283) | 33.6 (24.8, 44.2)    | 0.0002491 (0.0001835, 0.0003273) | 0.03717 (0.02989, 0.04497) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 50  | 14.0 (7.7, 23.8)     | 0.0001076 (0.0000596, 0.0001839) | 0.01032 (0.00612, 0.01654) | 4.4 (2.3, 7.8)       | 0.0000329 (0.0000171, 0.0000579) | 0.0049 (0.00262, 0.00855)  |
| Sumatera Barat | Breast cancer                                 | 50  | 1.5 (0.7, 3.1)       | 0.0000119 (0.0000051, 0.0000238) | 0.00115 (0.00051, 0.00230) | 67.0 (48.6, 90.0)    | 0.0004963 (0.0003599, 0.0006662) | 0.07404 (0.05730, 0.09191) |
| Sumatera Barat | Cervical cancer                               | 50  |                      |                                  |                            | 17.8 (9.2, 31.3)     | 0.0001319 (0.0000682, 0.0002317) | 0.01964 (0.01080, 0.03273) |
| Sumatera Barat | Other malignant neoplasms                     | 50  | 86.7 (66.4, 111.0)   | 0.0006684 (0.0005121, 0.0008558) | 0.06425 (0.05366, 0.07625) | 39.7 (27.1, 55.3)    | 0.0002941 (0.0002009, 0.0004097) | 0.04383 (0.03235, 0.05806) |
| Sumatera Barat | Cerebrovascular disease                       | 50  | 192.7 (153.6, 241.6) | 0.0014864 (0.0011848, 0.0018637) | 0.14286 (0.12774, 0.15901) | 145.2 (117.8, 182.2) | 0.0010748 (0.0008722, 0.0013494) | 0.16033 (0.14424, 0.17759) |
| Sumatera Barat | Ischemic heart disease                        | 50  | 222.7 (177.5, 272.9) | 0.0017181 (0.0013693, 0.0021049) | 0.1651 (0.14958, 0.18100)  | 107.5 (86.6, 134.9)  | 0.0007962 (0.0006416, 0.0009987) | 0.11875 (0.10504, 0.13230) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 50  | 66.4 (49.0, 88.0)    | 0.0005123 (0.0003779, 0.0006787) | 0.04924 (0.03978, 0.06081) | 53.3 (39.5, 70.6)    | 0.0003943 (0.0002927, 0.0005231) | 0.05882 (0.04770, 0.07126) |
| Sumatera Barat | Diabetes mellitus                             | 50  | 105.2 (79.2, 135.6)  | 0.0008117 (0.0006106, 0.0010457) | 0.07799 (0.06536, 0.09168) | 111.3 (85.2, 143.4)  | 0.0008241 (0.0006308, 0.0010618) | 0.1229 (0.10363, 0.14249)  |
| Sumatera Barat | Chronic kidney disease                        | 50  | 41.0 (30.4, 55.6)    | 0.0003166 (0.0002348, 0.0004287) | 0.03043 (0.02446, 0.03823) | 30.5 (22.4, 41.1)    | 0.0002261 (0.0001661, 0.0003043) | 0.03371 (0.02675, 0.04192) |
| Sumatera Barat | Cirrhosis                                     | 50  | 89.4 (67.6, 116.9)   | 0.0006894 (0.0005215, 0.0009014) | 0.06626 (0.05465, 0.07963) | 36.5 (26.9, 48.7)    | 0.0002699 (0.0001993, 0.0003606) | 0.04027 (0.03229, 0.04889) |
| Sumatera Barat | Chronic respiratory diseases                  | 50  | 140.5 (109.4, 178.2) | 0.0010833 (0.0008439, 0.0013741) | 0.10411 (0.08914, 0.11845) | 70.4 (54.7, 89.1)    | 0.0005212 (0.0004053, 0.0006599) | 0.07773 (0.06588, 0.08976) |
| Sumatera Barat | Other non-communicable diseases               | 50  | 90.0 (69.1, 116.3)   | 0.0006941 (0.0005327, 0.0008971) | 0.06668 (0.05738, 0.07775) | 67.6 (53.0, 86.8)    | 0.0005006 (0.0003926, 0.0006430) | 0.07467 (0.06403, 0.08686) |
| Sumatera Barat | Drowning                                      | 50  | 2.3 (1.1, 4.7)       | 0.0000179 (0.0000082, 0.0000364) | 0.00171 (0.00078, 0.00337) | 0.8 (0.3, 1.6)       | 0.000006 (0.0000025, 0.0000118)  | 0.00089 (0.00039, 0.00168) |
| Sumatera Barat | Falls                                         | 50  | 14.3 (8.8, 21.9)     | 0.00011 (0.0000681, 0.0001689)   | 0.01056 (0.00688, 0.01593) | 6.1 (3.7, 9.9)       | 0.0000454 (0.0000275, 0.0000730) | 0.00677 (0.00430, 0.01049) |
| Sumatera Barat | Interpersonal violence                        | 50  | 3.0 (1.7, 4.6)       | 0.0000231 (0.0000130, 0.0000357) | 0.00222 (0.00127, 0.00339) | 1.6 (0.8, 2.5)       | 0.0000117 (0.0000063, 0.0000189) | 0.00175 (0.00098, 0.00276) |
| Sumatera Barat | Self-harm                                     | 50  | 6.1 (3.8, 9.7)       | 0.0000471 (0.0000296, 0.0000745) | 0.00453 (0.00301, 0.00668) | 2.6 (1.6, 4.2)       | 0.0000194 (0.0000115, 0.0000308) | 0.00289 (0.00178, 0.00444) |
| Sumatera Barat | Transport injuries                            | 50  | 66.1 (48.9, 88.9)    | 0.0005099 (0.0003775, 0.0006854) | 0.049 (0.03874, 0.06011)   | 19.6 (14.0, 26.4)    | 0.0001449 (0.0001039, 0.0001953) | 0.0216 (0.01664, 0.02750)  |
| Sumatera Barat | Other unintentional injuries                  | 50  | 20.1 (12.8, 28.5)    | 0.0001549 (0.0000987, 0.0002196) | 0.01488 (0.00993, 0.02030) | 6.9 (4.3, 10.8)      | 0.0000513 (0.0000317, 0.0000768) | 0.00765 (0.00506, 0.01100) |
| Sumatera Barat | Diarrheal diseases                            | 55  | 20.5 (13.4, 29.3)    | 0.0002024 (0.0001323, 0.0002902) | 0.01328 (0.00938, 0.01815) | 19.5 (13.2, 27.2)    | 0.0001969 (0.0001332, 0.0002742) | 0.01935 (0.01400, 0.02573) |
| Sumatera Barat | HIV/AIDS                                      | 55  | 0.4 (0.2, 1.0)       | 0.0000044 (0.0000015, 0.0000098) | 0.00029 (0.00010, 0.00063) | 0.3 (0.1, 0.7)       | 0.000003 (0.0000011, 0.0000070)  | 0.0003 (0.00010, 0.00070)  |
| Sumatera Barat | Lower respiratory infections                  | 55  | 20.4 (14.1, 28.5)    | 0.0002013 (0.0001395, 0.0002822) | 0.01322 (0.00966, 0.01742) | 12.7 (8.5, 17.8)     | 0.0001279 (0.0000860, 0.0001790) | 0.01258 (0.00917, 0.01691) |
| Sumatera Barat | Malaria                                       | 55  | 1.8 (0.5, 4.4)       | 0.000018 (0.0000049, 0.0000434)  | 0.00119 (0.00034, 0.00282) | 1.0 (0.3, 2.4)       | 0.0000102 (0.0000026, 0.0000238) | 0.001 (0.00026, 0.00243)   |
| Sumatera Barat | Tuberculosis                                  | 55  | 99.6 (76.7, 125.9)   | 0.0009851 (0.0007587, 0.0012446) | 0.06474 (0.05505, 0.07490) | 48.6 (37.1, 61.7)    | 0.0004894 (0.0003732, 0.0006214) | 0.04815 (0.04004, 0.05718) |
| Sumatera Barat | Other communicable diseases                   | 55  | 49.3 (36.4, 64.9)    | 0.0004872 (0.0003597, 0.0006418) | 0.03201 (0.02513, 0.03924) | 34.3 (25.2, 45.2)    | 0.0003454 (0.0002542, 0.0004553) | 0.03398 (0.02670, 0.04175) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 55  | 15.9 (8.8, 27.3)     | 0.0001573 (0.0000874, 0.0002701) | 0.01031 (0.00596, 0.01674) | 3.9 (2.1, 6.9)       | 0.0000394 (0.0000210, 0.0000699) | 0.00388 (0.00211, 0.00681) |
| Sumatera Barat | Breast cancer                                 | 55  | 1.4 (0.7, 2.6)       | 0.0000136 (0.0000064, 0.0000254) | 0.00089 (0.00044, 0.00164) | 56.0 (40.3, 75.3)    | 0.0005643 (0.0004056, 0.0007584) | 0.0555 (0.04199, 0.06941)  |
| Sumatera Barat | Cervical cancer                               | 55  |                      |                                  |                            | 13.2 (6.8, 23.5)     | 0.0001329 (0.0000680, 0.0002367) | 0.01305 (0.00721, 0.02208) |
| Sumatera Barat | Other malignant neoplasms                     | 55  | 73.6 (55.6, 96.2)    | 0.0007274 (0.0005496, 0.0009516) | 0.04777 (0.03971, 0.05718) | 38.1 (26.3, 53.7)    | 0.0003842 (0.0002644, 0.0005411) | 0.03777 (0.02765, 0.04934) |
| Sumatera Barat | Cerebrovascular disease                       | 55  | 256.2 (204.0, 318.8) | 0.002533 (0.0020167, 0.0031522)  | 0.1664 (0.15014, 0.18569)  | 189.2 (153.6, 236.4) | 0.0019055 (0.0015470, 0.0023809) | 0.1874 (0.16951, 0.20669)  |
| Sumatera Barat | Ischemic heart disease                        | 55  | 289.4 (231.8, 355.5) | 0.0028611 (0.0022915, 0.0035151) | 0.18792 (0.17099, 0.20704) | 136.3 (108.8, 168.4) | 0.0013723 (0.0010956, 0.0016964) | 0.13496 (0.12069, 0.15032) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 55  | 84.8 (63.1, 109.6)   | 0.0008381 (0.0006236, 0.0010831) | 0.05505 (0.04516, 0.06703) | 66.7 (50.0, 87.5)    | 0.0006719 (0.0005034, 0.0008816) | 0.06607 (0.05403, 0.07872) |
| Sumatera Barat | Diabetes mellitus                             | 55  | 126.5 (95.9, 162.2)  | 0.0012503 (0.0009482, 0.0016034) | 0.08212 (0.06879, 0.09685) | 130.6 (100.3, 164.4) | 0.0013155 (0.0010100, 0.0016556) | 0.12939 (0.10938, 0.14968) |
| Sumatera Barat | Chronic kidney disease                        | 55  | 45.1 (33.5, 60.7)    | 0.0004456 (0.0003310, 0.0006003) | 0.02927 (0.02349, 0.03668) | 32.7 (23.5, 44.2)    | 0.0003292 (0.0002364, 0.0004453) | 0.03236 (0.02572, 0.04036) |
| Sumatera Barat | Cirrhosis                                     | 55  | 90.5 (67.3, 118.8)   | 0.0008943 (0.0006654, 0.0011744) | 0.05873 (0.04820, 0.07160) | 36.3 (27.0, 48.4)    | 0.0003655 (0.0002721, 0.0004877) | 0.03595 (0.02862, 0.04429) |
| Sumatera Barat | Chronic respiratory diseases                  | 55  | 164.7 (128.4, 207.9) | 0.0016287 (0.0012696, 0.0020550) | 0.10698 (0.09283, 0.12114) | 81.3 (63.5, 103.6)   | 0.0008185 (0.0006398, 0.0010435) | 0.08049 (0.06925, 0.09218) |
| Sumatera Barat | Other non-communicable diseases               | 55  | 105.5 (80.3, 135.7)  | 0.0010431 (0.0007941, 0.0013419) | 0.0685 (0.05915, 0.07883)  | 78.0 (61.4, 100.4)   | 0.0007851 (0.0006183, 0.0010108) | 0.0772 (0.06641, 0.08916)  |
| Sumatera Barat | Drowning                                      | 55  | 1.8 (0.8, 3.8)       | 0.0000182 (0.0000077, 0.0000376) | 0.00119 (0.00053, 0.00245) | 0.6 (0.2, 1.3)       | 0.0000063 (0.0000025, 0.0000131) | 0.00061 (0.00026, 0.00124) |
| Sumatera Barat | Falls                                         | 55  | 16.8 (10.6, 25.7)    | 0.0001661 (0.0001045, 0.0002541) | 0.0109 (0.00722, 0.01595)  | 7.0 (4.3, 11.3)      | 0.0000701 (0.0000432, 0.0001136) | 0.00688 (0.00451, 0.01069) |
| Sumatera Barat | Interpersonal violence                        | 55  | 2.6 (1.4, 4.2)       | 0.000026 (0.0000136, 0.0000419)  | 0.00171 (0.00092, 0.00271) | 1.3 (0.7, 2.1)       | 0.000013 (0.0000071, 0.0000215)  | 0.00128 (0.00070, 0.00207) |
| Sumatera Barat | Self-harm                                     | 55  | 6.1 (3.7, 9.6)       | 0.0000607 (0.0000369, 0.0000952) | 0.00398 (0.00264, 0.00583) | 2.4 (1.5, 3.8)       | 0.0000246 (0.0000147, 0.0000380) | 0.00242 (0.00148, 0.00363) |
| Sumatera Barat | Transport injuries                            | 55  | 48.9 (35.5, 67.2)    | 0.0004837 (0.0003508, 0.0006647) | 0.03177 (0.02443, 0.04063) | 13.7 (9.6, 18.9)     | 0.0001377 (0.0000966, 0.0001904) | 0.01354 (0.00989, 0.01794) |
| Sumatera Barat | Other unintentional injuries                  | 55  | 18.1 (11.2, 26.0)    | 0.0001794 (0.0001110, 0.0002566) | 0.01178 (0.00783, 0.01634) | 5.9 (3.6, 9.0)       | 0.0000596 (0.0000364, 0.0000907) | 0.00586 (0.00383, 0.00843) |
| Sumatera Barat | Diarrheal diseases                            | 60  | 22.7 (15.3, 32.0)    | 0.0003817 (0.0002583, 0.0005393) | 0.01518 (0.01094, 0.02056) | 22.4 (15.7, 29.9)    | 0.0003462 (0.0002417, 0.0004624) | 0.02167 (0.01583, 0.02841) |
| Sumatera Barat | HIV/AIDS                                      | 60  | 0.3 (0.1, 0.7)       | 0.0000048 (0.0000014, 0.0000111) | 0.00019 (0.00006, 0.00042) | 0.2 (0.1, 0.5)       | 0.0000032 (0.0000010, 0.0000076) | 0.0002 (0.00006, 0.00047)  |
| Sumatera Barat | Lower respiratory infections                  | 60  | 24.2 (16.8, 33.1)    | 0.0004081 (0.0002828, 0.0005578) | 0.01622 (0.01206, 0.02114) | 17.2 (12.0, 23.4)    | 0.0002661 (0.0001848, 0.0003615) | 0.01666 (0.01227, 0.02170) |
| Sumatera Barat | Malaria                                       | 60  | 2.0 (0.6, 4.8)       | 0.0000336 (0.0000097, 0.0000802) | 0.00134 (0.00038, 0.00313) | 1.1 (0.3, 2.6)       | 0.0000168 (0.0000043, 0.0000400) | 0.00105 (0.00028, 0.00240) |
| Sumatera Barat | Tuberculosis                                  | 60  | 109.0 (87.8, 136.0)  | 0.0018352 (0.0014112, 0.0022911) | 0.07301 (0.06326, 0.08378) | 57.9 (45.8, 71.6)    | 0.0008937 (0.0007073, 0.0011054) | 0.05595 (0.04713, 0.06551) |
| Sumatera Barat | Other communicable diseases                   | 60  | 38.5 (27.6, 51.6)    | 0.0006486 (0.0004654, 0.0008687) | 0.02581 (0.02001, 0.03271) | 28.2 (20.9, 37.3)    | 0.0004356 (0.0003230, 0.0005764) | 0.02728 (0.02094, 0.03466) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 60  | 14.1 (7.7, 24.2)     | 0.0002369 (0.0001298, 0.0004076) | 0.00941 (0.00547, 0.01572) | 3.5 (1.9, 6.3)       | 0.000054 (0.0000288, 0.0000980)  | 0.00338 (0.00188, 0.00605) |
| Sumatera Barat | Breast cancer                                 | 60  | 1.2 (0.6, 2.3)       | 0.0000203 (0.0000096, 0.0000383) | 0.00081 (0.00040, 0.00146) | 40.9 (29.7, 54.1)    | 0.0006313 (0.0004578, 0.0008360) | 0.03952 (0.02957, 0.05016) |
| Sumatera Barat | Cervical cancer                               | 60  |                      |                                  |                            | 10.1 (5.1, 17.3)     | 0.0001562 (0.0000784, 0.0002670) | 0.00977 (0.00506, 0.01596) |
| Sumatera Barat | Other malignant neoplasms                     | 60  | 64.3 (48.6, 83.3)    | 0.0010829 (0.0008181, 0.0014033) | 0.04308 (0.03564, 0.05229) | 37.8 (27.2, 50.2)    | 0.0005833 (0.0004199, 0.0007749) | 0.03651 (0.02734, 0.04622) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Cerebrovascular disease                       | 60  | 259.3 (204.6, 317.5) | 0.0043679 (0.0034455, 0.0053477) | 0.17377 (0.15767, 0.19122) | 207.6 (172.1, 252.2) | 0.0032047 (0.0026570, 0.0038936) | 0.20054 (0.18314, 0.21976) |
| Sumatera Barat | Ischemic heart disease                        | 60  | 266.6 (208.7, 322.5) | 0.00449 (0.0035145, 0.0054318)   | 0.1786 (0.16222, 0.19517)  | 141.6 (115.9, 170.0) | 0.0021863 (0.0017887, 0.0026248) | 0.13682 (0.12160, 0.15217) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 60  | 88.4 (66.0, 112.9)   | 0.0014894 (0.0011118, 0.0019023) | 0.05925 (0.04957, 0.07209) | 71.7 (55.3, 92.4)    | 0.001107 (0.0008533, 0.0014260)  | 0.06928 (0.05732, 0.08305) |
| Sumatera Barat | Diabetes mellitus                             | 60  | 106.0 (81.0, 135.7)  | 0.0017854 (0.0013645, 0.0022853) | 0.07102 (0.05951, 0.08311) | 116.9 (91.4, 146.0)  | 0.0018055 (0.0014104, 0.0022541) | 0.11298 (0.09578, 0.13184) |
| Sumatera Barat | Chronic kidney disease                        | 60  | 39.5 (29.2, 52.0)    | 0.0006658 (0.0004926, 0.0008767) | 0.02649 (0.02107, 0.03316) | 30.0 (22.1, 39.8)    | 0.0004637 (0.0003405, 0.0006142) | 0.029 (0.02267, 0.03641)   |
| Sumatera Barat | Cirrhosis                                     | 60  | 70.7 (52.8, 92.0)    | 0.0011909 (0.0008899, 0.0015493) | 0.04737 (0.03879, 0.05791) | 30.9 (22.9, 40.2)    | 0.0004763 (0.0003536, 0.0006202) | 0.02981 (0.02361, 0.03683) |
| Sumatera Barat | Chronic respiratory diseases                  | 60  | 206.9 (164.1, 254.9) | 0.0034855 (0.0027637, 0.0042931) | 0.13866 (0.12416, 0.15349) | 106.1 (85.5, 130.5)  | 0.0016385 (0.0013200, 0.0020155) | 0.10252 (0.09015, 0.11530) |
| Sumatera Barat | Other non-communicable diseases               | 60  | 110.5 (84.2, 140.2)  | 0.0018604 (0.0014179, 0.0023610) | 0.07399 (0.06423, 0.08508) | 86.4 (69.3, 107.1)   | 0.0013341 (0.0010698, 0.0016541) | 0.08349 (0.07267, 0.09595) |
| Sumatera Barat | Drowning                                      | 60  | 1.1 (0.4, 2.4)       | 0.000019 (0.0000073, 0.0000410)  | 0.00075 (0.00029, 0.00158) | 0.4 (0.2, 1.0)       | 0.0000069 (0.0000025, 0.0000148) | 0.00043 (0.00016, 0.00091) |
| Sumatera Barat | Falls                                         | 60  | 12.0 (7.0, 17.9)     | 0.0002014 (0.0001181, 0.0003019) | 0.00801 (0.00499, 0.01175) | 5.6 (3.4, 8.7)       | 0.0000865 (0.0000522, 0.0001343) | 0.00541 (0.00346, 0.00825) |
| Sumatera Barat | Interpersonal violence                        | 60  | 1.7 (0.8, 2.9)       | 0.000029 (0.0000142, 0.0000483)  | 0.00116 (0.00056, 0.00192) | 0.9 (0.4, 1.5)       | 0.0000134 (0.0000068, 0.0000230) | 0.00084 (0.00044, 0.00144) |
| Sumatera Barat | Self-harm                                     | 60  | 4.6 (2.8, 7.3)       | 0.0000783 (0.0000471, 0.0001234) | 0.00311 (0.00196, 0.00460) | 1.9 (1.1, 2.9)       | 0.0000289 (0.0000168, 0.0000446) | 0.00181 (0.00109, 0.00276) |
| Sumatera Barat | Transport injuries                            | 60  | 35.7 (26.0, 48.1)    | 0.0006007 (0.0004376, 0.0008100) | 0.02391 (0.01841, 0.03095) | 11.0 (7.8, 14.8)     | 0.0001696 (0.0001205, 0.0002282) | 0.01061 (0.00788, 0.01399) |
| Sumatera Barat | Other unintentional injuries                  | 60  | 13.2 (8.3, 19.8)     | 0.0002226 (0.0001398, 0.0003329) | 0.00886 (0.00584, 0.01256) | 4.6 (2.9, 7.2)       | 0.0000715 (0.0000440, 0.0001105) | 0.00447 (0.00280, 0.00649) |
| Sumatera Barat | Diarrheal diseases                            | 65  | 40.4 (27.2, 54.5)    | 0.0008945 (0.0006022, 0.0012071) | 0.02481 (0.01858, 0.03205) | 47.2 (34.9, 61.7)    | 0.0008204 (0.0006066, 0.0010734) | 0.03406 (0.02641, 0.04197) |
| Sumatera Barat | HIV/AIDS                                      | 65  | 0.3 (0.1, 0.7)       | 0.0000062 (0.0000019, 0.0000144) | 0.00017 (0.00006, 0.00040) | 0.2 (0.1, 0.6)       | 0.0000043 (0.0000014, 0.0000102) | 0.00018 (0.00006, 0.00042) |
| Sumatera Barat | Lower respiratory infections                  | 65  | 28.7 (19.6, 39.6)    | 0.0006348 (0.0004347, 0.0008764) | 0.01761 (0.01307, 0.02295) | 25.3 (17.8, 33.8)    | 0.0004398 (0.0003102, 0.0005881) | 0.01827 (0.01363, 0.02381) |
| Sumatera Barat | Malaria                                       | 65  | 2.3 (0.6, 5.6)       | 0.0000512 (0.0000140, 0.0001237) | 0.00142 (0.00039, 0.00333) | 1.4 (0.4, 3.4)       | 0.0000247 (0.0000063, 0.0000597) | 0.00103 (0.00027, 0.00245) |
| Sumatera Barat | Tuberculosis                                  | 65  | 121.6 (92.7, 151.9)  | 0.0026923 (0.0020521, 0.0033635) | 0.07473 (0.06481, 0.08555) | 76.2 (59.8, 94.4)    | 0.0013261 (0.0010398, 0.0016419) | 0.05507 (0.04600, 0.06467) |
| Sumatera Barat | Other communicable diseases                   | 65  | 39.7 (27.5, 54.4)    | 0.0008799 (0.0006095, 0.0012051) | 0.02442 (0.01866, 0.03110) | 34.9 (25.2, 45.8)    | 0.0006073 (0.0004377, 0.0007968) | 0.02523 (0.01904, 0.03189) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 65  | 14.0 (7.3, 24.6)     | 0.0003102 (0.0001618, 0.0005452) | 0.00859 (0.00479, 0.01440) | 3.5 (1.8, 6.5)       | 0.0000608 (0.0000319, 0.0001129) | 0.00253 (0.00137, 0.00461) |
| Sumatera Barat | Breast cancer                                 | 65  | 1.1 (0.5, 2.2)       | 0.000025 (0.0000101, 0.0000490)  | 0.00069 (0.00029, 0.00132) | 38.8 (26.9, 53.3)    | 0.0006741 (0.0004680, 0.0009274) | 0.028 (0.02019, 0.03693)   |
| Sumatera Barat | Cervical cancer                               | 65  |                      |                                  |                            | 9.6 (4.6, 16.9)      | 0.0001669 (0.0000808, 0.0002946) | 0.00692 (0.00336, 0.01197) |
| Sumatera Barat | Other malignant neoplasms                     | 65  | 55.3 (41.5, 71.6)    | 0.0012248 (0.0009194, 0.0015854) | 0.034 (0.02797, 0.04070)   | 47.2 (34.1, 62.7)    | 0.0008207 (0.0005932, 0.0010914) | 0.03408 (0.02556, 0.04331) |
| Sumatera Barat | Cerebrovascular disease                       | 65  | 294.3 (228.9, 363.6) | 0.0065176 (0.0050691, 0.0080524) | 0.18087 (0.16463, 0.19862) | 292.9 (242.4, 355.7) | 0.0050954 (0.0042167, 0.0061885) | 0.21154 (0.19364, 0.22997) |
| Sumatera Barat | Ischemic heart disease                        | 65  | 286.1 (222.7, 350.2) | 0.0063355 (0.0049324, 0.0077571) | 0.1758 (0.15884, 0.19278)  | 185.8 (151.6, 223.4) | 0.0032327 (0.0026366, 0.0038870) | 0.13425 (0.11876, 0.14957) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 65  | 107.4 (80.6, 137.6)  | 0.0023778 (0.0017850, 0.0030479) | 0.06599 (0.05518, 0.07907) | 107.0 (83.4, 137.6)  | 0.0018609 (0.0014514, 0.0023946) | 0.07726 (0.06423, 0.09163) |
| Sumatera Barat | Diabetes mellitus                             | 65  | 93.5 (69.4, 120.4)   | 0.0020715 (0.0015379, 0.0026664) | 0.05748 (0.04812, 0.06885) | 128.6 (100.3, 161.4) | 0.0022374 (0.0017446, 0.0028077) | 0.0929 (0.07730, 0.11055)  |
| Sumatera Barat | Chronic kidney disease                        | 65  | 41.1 (29.9, 55.0)    | 0.0009107 (0.0006626, 0.0012177) | 0.02528 (0.02003, 0.03158) | 38.2 (27.9, 50.6)    | 0.0006644 (0.0004861, 0.0008798) | 0.02757 (0.02152, 0.03479) |
| Sumatera Barat | Cirrhosis                                     | 65  | 59.5 (43.6, 78.2)    | 0.001317 (0.0009650, 0.0017316)  | 0.03654 (0.02964, 0.04554) | 32.7 (24.2, 42.4)    | 0.0005686 (0.0004209, 0.0007371) | 0.02361 (0.01862, 0.02947) |
| Sumatera Barat | Chronic respiratory diseases                  | 65  | 244.4 (190.1, 300.0) | 0.0054128 (0.0042112, 0.0066450) | 0.15023 (0.13484, 0.16564) | 156.1 (126.8, 190.5) | 0.0027161 (0.0022058, 0.0033137) | 0.11276 (0.10021, 0.12596) |
| Sumatera Barat | Other non-communicable diseases               | 65  | 135.3 (103.1, 169.4) | 0.0029963 (0.0022840, 0.0037511) | 0.08313 (0.07259, 0.09519) | 130.9 (106.0, 162.5) | 0.0022769 (0.0018447, 0.0028274) | 0.09453 (0.08215, 0.10874) |
| Sumatera Barat | Drowning                                      | 65  | 0.9 (0.3, 2.0)       | 0.0000197 (0.0000070, 0.0000434) | 0.00054 (0.00020, 0.00120) | 0.5 (0.2, 1.0)       | 0.000008 (0.0000028, 0.0000170)  | 0.00033 (0.00012, 0.00070) |
| Sumatera Barat | Falls                                         | 65  | 12.5 (7.6, 19.2)     | 0.000276 (0.0001676, 0.0004247)  | 0.00766 (0.00477, 0.01167) | 7.5 (4.6, 11.8)      | 0.00013 (0.0000795, 0.0002060)   | 0.0054 (0.00345, 0.00830)  |
| Sumatera Barat | Interpersonal violence                        | 65  | 1.5 (0.6, 2.7)       | 0.0000324 (0.0000144, 0.0000609) | 0.0009 (0.00040, 0.00167)  | 0.9 (0.4, 1.6)       | 0.0000151 (0.0000070, 0.0000287) | 0.00063 (0.00031, 0.00118) |
| Sumatera Barat | Self-harm                                     | 65  | 4.6 (2.6, 7.3)       | 0.0001012 (0.0000577, 0.0001623) | 0.0028 (0.00169, 0.00424)  | 2.1 (1.2, 3.4)       | 0.0000372 (0.0000212, 0.0000594) | 0.00154 (0.00089, 0.00244) |
| Sumatera Barat | Transport injuries                            | 65  | 30.3 (20.7, 41.7)    | 0.0006702 (0.0004583, 0.0009242) | 0.0186 (0.01377, 0.02416)  | 11.6 (7.9, 16.3)     | 0.0002026 (0.0001379, 0.0002837) | 0.00841 (0.00600, 0.01131) |
| Sumatera Barat | Other unintentional injuries                  | 65  | 12.6 (7.9, 19.0)     | 0.0002789 (0.0001750, 0.0004204) | 0.00774 (0.00508, 0.01110) | 5.4 (3.4, 8.1)       | 0.0000938 (0.0000590, 0.0001406) | 0.00389 (0.00253, 0.00566) |
| Sumatera Barat | Diarrheal diseases                            | 70  | 72.7 (52.5, 94.5)    | 0.0020349 (0.0014706, 0.0026459) | 0.03579 (0.02820, 0.04383) | 91.6 (71.2, 114.8)   | 0.0017871 (0.0013881, 0.0022385) | 0.0458 (0.03670, 0.05503)  |
| Sumatera Barat | HIV/AIDS                                      | 70  | 0.5 (0.1, 1.1)       | 0.0000127 (0.0000041, 0.0000311) | 0.00022 (0.00008, 0.00053) | 0.4 (0.2, 1.1)       | 0.0000088 (0.0000032, 0.0000212) | 0.00023 (0.00008, 0.00053) |
| Sumatera Barat | Lower respiratory infections                  | 70  | 44.6 (31.1, 61.9)    | 0.00125 (0.0008703, 0.0017324)   | 0.02197 (0.01647, 0.02807) | 45.9 (33.2, 60.2)    | 0.0008953 (0.0006483, 0.0011751) | 0.02294 (0.01722, 0.02918) |
| Sumatera Barat | Malaria                                       | 70  | 2.7 (0.7, 6.4)       | 0.0000752 (0.0000209, 0.0001788) | 0.00133 (0.00038, 0.00321) | 1.8 (0.5, 4.1)       | 0.0000344 (0.0000094, 0.0000809) | 0.00088 (0.00024, 0.00204) |
| Sumatera Barat | Tuberculosis                                  | 70  | 150.2 (112.9, 187.6) | 0.0042068 (0.0031625, 0.0052539) | 0.07401 (0.06347, 0.08467) | 109.5 (86.3, 132.2)  | 0.0021366 (0.0016835, 0.0025792) | 0.05476 (0.04562, 0.06449) |
| Sumatera Barat | Other communicable diseases                   | 70  | 53.2 (37.4, 71.7)    | 0.0014895 (0.0010487, 0.0020067) | 0.02621 (0.01990, 0.03377) | 50.8 (36.5, 66.2)    | 0.000991 (0.0007120, 0.0012918)  | 0.0254 (0.01908, 0.03286)  |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 70  | 13.0 (6.9, 22.9)     | 0.000363 (0.0001919, 0.0006407)  | 0.00637 (0.00361, 0.01075) | 4.1 (2.1, 7.5)       | 0.0000794 (0.0000417, 0.0001466) | 0.00203 (0.00109, 0.00373) |
| Sumatera Barat | Breast cancer                                 | 70  | 1.0 (0.3, 2.1)       | 0.0000279 (0.0000090, 0.0000591) | 0.00049 (0.00017, 0.00102) | 33.6 (23.1, 47.3)    | 0.0006561 (0.0004508, 0.0009223) | 0.01681 (0.01177, 0.02323) |
| Sumatera Barat | Cervical cancer                               | 70  |                      |                                  |                            | 8.0 (3.9, 14.2)      | 0.0001558 (0.0000766, 0.0002773) | 0.00399 (0.00200, 0.00698) |
| Sumatera Barat | Other malignant neoplasms                     | 70  | 52.2 (38.1, 68.3)    | 0.001461 (0.0010660, 0.0019118)  | 0.0257 (0.02080, 0.03139)  | 54.3 (39.5, 71.0)    | 0.0010586 (0.0007701, 0.0013848) | 0.02712 (0.02049, 0.03470) |
| Sumatera Barat | Cerebrovascular disease                       | 70  | 366.5 (287.3, 450.9) | 0.010265 (0.0080448, 0.0126266)  | 0.18059 (0.16531, 0.19800) | 434.6 (367.5, 512.0) | 0.0084779 (0.0071684, 0.0099878) | 0.21716 (0.19894, 0.23681) |
| Sumatera Barat | Ischemic heart disease                        | 70  | 331.9 (259.1, 402.5) | 0.0092953 (0.0072562, 0.0112713) | 0.16352 (0.14798, 0.18112) | 269.7 (224.0, 316.1) | 0.0052608 (0.0043695, 0.0061670) | 0.1348 (0.12011, 0.15067)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 70  | 143.6 (106.1, 182.9) | 0.004022 (0.0029713, 0.0051215)  | 0.07077 (0.05890, 0.08560) | 164.5 (129.6, 203.6) | 0.0032091 (0.0025274, 0.0039717) | 0.08221 (0.06902, 0.09693) |
| Sumatera Barat | Diabetes mellitus                             | 70  | 84.5 (62.7, 108.3)   | 0.0023661 (0.0017558, 0.0030340) | 0.04162 (0.03458, 0.05006) | 138.7 (109.7, 172.5) | 0.0027056 (0.0021396, 0.0033647) | 0.06931 (0.05731, 0.08228) |
| Sumatera Barat | Chronic kidney disease                        | 70  | 43.5 (31.6, 59.0)    | 0.0012176 (0.0008845, 0.0016524) | 0.02142 (0.01698, 0.02691) | 47.6 (35.6, 62.5)    | 0.0009288 (0.0006951, 0.0012186) | 0.02378 (0.01854, 0.03011) |
| Sumatera Barat | Cirrhosis                                     | 70  | 60.7 (44.6, 79.7)    | 0.001701 (0.0012503, 0.0022322)  | 0.02991 (0.02404, 0.03704) | 39.6 (30.2, 51.3)    | 0.0007724 (0.0005885, 0.0010000) | 0.0198 (0.01560, 0.02482)  |
| Sumatera Barat | Chronic respiratory diseases                  | 70  | 353.6 (274.5, 429.7) | 0.0099037 (0.0076871, 0.0120331) | 0.17422 (0.15814, 0.19009) | 261.3 (216.4, 307.1) | 0.0050973 (0.0042212, 0.0059906) | 0.13057 (0.11599, 0.14442) |
| Sumatera Barat | Other non-communicable diseases               | 70  | 182.0 (137.8, 229.8) | 0.0050972 (0.0038595, 0.0064363) | 0.08964 (0.07874, 0.10206) | 206.3 (170.6, 246.9) | 0.004024 (0.0033274, 0.0048160)  | 0.10308 (0.09041, 0.11755) |
| Sumatera Barat | Drowning                                      | 70  | 1.8 (0.7, 3.8)       | 0.00005 (0.0000202, 0.0001074)   | 0.00088 (0.00037, 0.00187) | 1.1 (0.5, 2.2)       | 0.0000211 (0.0000089, 0.0000427) | 0.00054 (0.00024, 0.00109) |
| Sumatera Barat | Falls                                         | 70  | 16.5 (10.2, 24.9)    | 0.0004629 (0.0002845, 0.0006981) | 0.00815 (0.00530, 0.01180) | 11.6 (7.4, 17.1)     | 0.0002258 (0.0001453, 0.0003328) | 0.00578 (0.00384, 0.00840) |
| Sumatera Barat | Interpersonal violence                        | 70  | 1.3 (0.5, 2.4)       | 0.0000354 (0.0000145, 0.0000682) | 0.00062 (0.00026, 0.00119) | 0.9 (0.4, 1.7)       | 0.0000168 (0.0000074, 0.0000328) | 0.00043 (0.00018, 0.00083) |
| Sumatera Barat | Self-harm                                     | 70  | 4.7 (2.5, 7.7)       | 0.0001314 (0.0000710, 0.0002168) | 0.00231 (0.00133, 0.00365) | 2.5 (1.4, 4.0)       | 0.0000488 (0.0000263, 0.0000773) | 0.00125 (0.00069, 0.00198) |
| Sumatera Barat | Transport injuries                            | 70  | 34.5 (23.7, 47.1)    | 0.000965 (0.0006634, 0.0013190)  | 0.01697 (0.01265, 0.02219) | 15.4 (10.8, 20.7)    | 0.0003 (0.0002115, 0.0004041)    | 0.00768 (0.00556, 0.01024) |



Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                  |                            | Females                |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Other unintentional injuries                             | 70  | 14.7 (9.0, 21.6)           | 0.0004123 (0.0002510, 0.0006039) | 0.00725 (0.00477, 0.01024) | 7.3 (4.5, 11.2)        | 0.000142 (0.0000872, 0.0002176)  | 0.00364 (0.00242, 0.00533) |
| Sumatera Barat | Diarrheal diseases                                       | 75  | 66.2 (47.6, 87.1)          | 0.0034471 (0.0024789, 0.0045339) | 0.04299 (0.03420, 0.05198) | 104.9 (83.0, 128.8)    | 0.0033427 (0.0026468, 0.0041041) | 0.05375 (0.04423, 0.06446) |
| Sumatera Barat | HIV/AIDS                                                 | 75  | 0.3 (0.1, 0.7)             | 0.0000138 (0.0000040, 0.0000344) | 0.00017 (0.00005, 0.00041) | 0.3 (0.1, 0.8)         | 0.0000105 (0.0000037, 0.0000246) | 0.00017 (0.00006, 0.00040) |
| Sumatera Barat | Lower respiratory infections                             | 75  | 34.9 (23.9, 49.5)          | 0.0018181 (0.0012437, 0.0025757) | 0.02268 (0.01706, 0.02926) | 45.9 (32.5, 59.6)      | 0.001462 (0.0010361, 0.0019004)  | 0.0235 (0.01740, 0.03035)  |
| Sumatera Barat | Malaria                                                  | 75  | 2.2 (0.6, 5.5)             | 0.0001125 (0.0000310, 0.0002852) | 0.00141 (0.00038, 0.00348) | 1.7 (0.4, 4.1)         | 0.000055 (0.0000140, 0.0001305)  | 0.00088 (0.00023, 0.00221) |
| Sumatera Barat | Tuberculosis                                             | 75  | 98.7 (72.7, 125.5)         | 0.0051356 (0.0037854, 0.0065344) | 0.06408 (0.05420, 0.07414) | 88.4 (69.2, 109.3)     | 0.002818 (0.0022050, 0.0034828)  | 0.0453 (0.03708, 0.05377)  |
| Sumatera Barat | Other communicable diseases                              | 75  | 38.7 (25.9, 53.2)          | 0.0020128 (0.0013481, 0.0027706) | 0.0251 (0.01877, 0.03291)  | 46.9 (33.8, 62.3)      | 0.0014965 (0.0010758, 0.0019866) | 0.02406 (0.01800, 0.03157) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer                      | 75  | 8.1 (4.1, 14.5)            | 0.0004195 (0.0002115, 0.0007531) | 0.00522 (0.00292, 0.00889) | 3.0 (1.5, 5.6)         | 0.0000964 (0.0000473, 0.0001781) | 0.00155 (0.00079, 0.00284) |
| Sumatera Barat | Breast cancer                                            | 75  | 0.5 (0.1, 1.1)             | 0.0000262 (0.0000076, 0.0000598) | 0.00033 (0.00010, 0.00073) | 21.4 (13.6, 30.8)      | 0.0006812 (0.0004325, 0.0009811) | 0.01095 (0.00700, 0.01578) |
| Sumatera Barat | Cervical cancer                                          | 75  |                            |                                  |                            | 4.8 (2.2, 8.9)         | 0.0001529 (0.0000715, 0.0002852) | 0.00246 (0.00115, 0.00460) |
| Sumatera Barat | Other malignant neoplasms                                | 75  | 30.5 (22.0, 41.2)          | 0.0015899 (0.0011450, 0.0021438) | 0.01983 (0.01588, 0.02463) | 45.4 (32.6, 59.2)      | 0.0014469 (0.0010402, 0.0018859) | 0.02325 (0.01775, 0.02969) |
| Sumatera Barat | Cerebrovascular disease                                  | 75  | 276.2 (211.9, 344.5)       | 0.0143774 (0.0110295, 0.0179349) | 0.17933 (0.16347, 0.19749) | 427.6 (361.6, 495.0)   | 0.0136316 (0.0115265, 0.0157770) | 0.21907 (0.20062, 0.23944) |
| Sumatera Barat | Ischemic heart disease                                   | 75  | 272.8 (205.4, 338.8)       | 0.014198 (0.0106942, 0.0176352)  | 0.17708 (0.15958, 0.19577) | 287.9 (240.3, 333.6)   | 0.0091766 (0.0076604, 0.0106341) | 0.14753 (0.13064, 0.16513) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 75  | 112.4 (80.6, 145.2)        | 0.0058484 (0.0041956, 0.0075580) | 0.07298 (0.06033, 0.08828) | 165.9 (130.4, 204.7)   | 0.0052875 (0.0041571, 0.0065263) | 0.08496 (0.07086, 0.10033) |
| Sumatera Barat | Diabetes mellitus                                        | 75  | 54.2 (39.3, 71.8)          | 0.0028196 (0.0020479, 0.0037390) | 0.03517 (0.02872, 0.04290) | 114.9 (90.8, 144.9)    | 0.0036626 (0.0028934, 0.0046193) | 0.05886 (0.04867, 0.07164) |
| Sumatera Barat | Chronic kidney disease                                   | 75  | 30.0 (21.1, 41.5)          | 0.0015606 (0.0010987, 0.0021590) | 0.01947 (0.01531, 0.02463) | 41.8 (31.0, 54.8)      | 0.0013337 (0.0009867, 0.0017463) | 0.02143 (0.01678, 0.02749) |
| Sumatera Barat | Cirrhosis                                                | 75  | 40.1 (28.2, 54.3)          | 0.0020898 (0.0014700, 0.0028270) | 0.02605 (0.02065, 0.03264) | 34.2 (25.9, 44.3)      | 0.0010905 (0.0008255, 0.0014134) | 0.01753 (0.01380, 0.02213) |
| Sumatera Barat | Chronic respiratory diseases                             | 75  | 264.7 (200.9, 326.1)       | 0.0137763 (0.0104576, 0.0169734) | 0.17186 (0.15624, 0.18691) | 249.0 (206.3, 290.0)   | 0.0079356 (0.0065770, 0.0092450) | 0.12752 (0.11314, 0.14121) |
| Sumatera Barat | Other non-communicable diseases                          | 75  | 158.0 (116.1, 200.3)       | 0.0082236 (0.0060445, 0.0104241) | 0.10254 (0.09023, 0.11621) | 231.9 (192.5, 273.7)   | 0.0073907 (0.0061363, 0.0087235) | 0.11878 (0.10462, 0.13417) |
| Sumatera Barat | Drowning                                                 | 75  | 1.9 (0.7, 4.2)             | 0.0000982 (0.0000360, 0.0002187) | 0.00122 (0.00045, 0.00282) | 1.5 (0.6, 3.2)         | 0.0000479 (0.0000193, 0.0001013) | 0.00077 (0.00031, 0.00157) |
| Sumatera Barat | Falls                                                    | 75  | 15.1 (9.1, 22.6)           | 0.0007841 (0.0004717, 0.0011754) | 0.00979 (0.00633, 0.01427) | 13.6 (8.8, 19.7)       | 0.0004347 (0.0002795, 0.0006279) | 0.00698 (0.00468, 0.00973) |
| Sumatera Barat | Interpersonal violence                                   | 75  | 0.8 (0.2, 1.9)             | 0.0000404 (0.0000117, 0.0001010) | 0.00051 (0.00014, 0.00124) | 0.6 (0.2, 1.6)         | 0.0000205 (0.0000068, 0.0000510) | 0.00033 (0.00011, 0.00081) |
| Sumatera Barat | Self-harm                                                | 75  | 3.5 (1.7, 6.3)             | 0.0001838 (0.0000895, 0.0003300) | 0.00229 (0.00120, 0.00398) | 2.3 (1.1, 3.9)         | 0.0000723 (0.0000360, 0.0001238) | 0.00116 (0.00058, 0.00197) |
| Sumatera Barat | Transport injuries                                       | 75  | 19.7 (12.2, 28.9)          | 0.0010258 (0.0006342, 0.0015057) | 0.01279 (0.00849, 0.01757) | 11.2 (7.2, 16.0)       | 0.0003559 (0.0002285, 0.0005113) | 0.00572 (0.00377, 0.00810) |
| Sumatera Barat | Other unintentional injuries                             | 75  | 11.0 (6.4, 17.6)           | 0.0005716 (0.0003332, 0.0009184) | 0.00713 (0.00442, 0.01058) | 6.8 (4.1, 10.5)        | 0.0002166 (0.0001307, 0.0003351) | 0.00348 (0.00219, 0.00520) |
| Sumatera Barat | Diarrheal diseases                                       | 80  | 171.1 (133.7, 207.7)       | 0.0112845 (0.0088199, 0.0136991) | 0.07461 (0.06201, 0.08706) | 380.1 (318.3, 441.1)   | 0.0117327 (0.0098255, 0.0136181) | 0.08478 (0.07236, 0.09664) |
| Sumatera Barat | HIV/AIDS                                                 | 80  | 0.4 (0.1, 1.1)             | 0.0000271 (0.0000071, 0.0000753) | 0.00018 (0.00005, 0.00050) | 0.8 (0.2, 2.1)         | 0.0000236 (0.0000066, 0.0000648) | 0.00017 (0.00005, 0.00047) |
| Sumatera Barat | Lower respiratory infections                             | 80  | 61.9 (44.2, 84.2)          | 0.0040865 (0.0029153, 0.0055580) | 0.02702 (0.02028, 0.03501) | 124.7 (90.7, 161.1)    | 0.0038481 (0.0027999, 0.0049725) | 0.02781 (0.02067, 0.03581) |
| Sumatera Barat | Malaria                                                  | 80  | 3.6 (0.9, 10.2)            | 0.0002357 (0.0000611, 0.0006724) | 0.00156 (0.00040, 0.00431) | 4.1 (1.0, 10.7)        | 0.0001252 (0.0000308, 0.0003308) | 0.0009 (0.00022, 0.00236)  |
| Sumatera Barat | Tuberculosis                                             | 80  | 134.8 (106.3, 165.6)       | 0.0088941 (0.0070095, 0.0109218) | 0.05882 (0.04910, 0.06967) | 189.9 (150.8, 232.0)   | 0.0058634 (0.0046542, 0.0071608) | 0.04237 (0.03395, 0.05139) |
| Sumatera Barat | Other communicable diseases                              | 80  | 68.2 (48.4, 92.1)          | 0.0045018 (0.0031946, 0.0060749) | 0.02977 (0.02170, 0.03960) | 116.6 (85.3, 157.6)    | 0.0035991 (0.0026338, 0.0048666) | 0.02601 (0.01918, 0.03434) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer                      | 80  | 9.2 (4.6, 17.4)            | 0.0006098 (0.0003060, 0.0011448) | 0.00402 (0.00211, 0.00714) | 5.7 (2.6, 10.7)        | 0.0001749 (0.0000813, 0.0003290) | 0.00126 (0.00060, 0.00239) |
| Sumatera Barat | Breast cancer                                            | 80  | 0.5 (0.1, 1.4)             | 0.0000362 (0.0000097, 0.0000891) | 0.00024 (0.00006, 0.00059) | 30.6 (17.4, 48.6)      | 0.0009434 (0.0005387, 0.0015000) | 0.00681 (0.00393, 0.01072) |
| Sumatera Barat | Cervical cancer                                          | 80  |                            |                                  |                            | 6.6 (2.5, 13.5)        | 0.0002024 (0.0000783, 0.0004156) | 0.00146 (0.00057, 0.00302) |
| Sumatera Barat | Other malignant neoplasms                                | 80  | 36.6 (27.0, 48.2)          | 0.0024162 (0.0017780, 0.0031768) | 0.01598 (0.01234, 0.02043) | 79.4 (57.5, 107.4)     | 0.0024517 (0.0017738, 0.0033141) | 0.01771 (0.01291, 0.02363) |
| Sumatera Barat | Cerebrovascular disease                                  | 80  | 409.6 (341.8, 479.9)       | 0.0270188 (0.0225509, 0.0316570) | 0.17865 (0.16217, 0.19699) | 988.5 (873.1, 1,122.0) | 0.0305155 (0.0269525, 0.0346366) | 0.22047 (0.20195, 0.24166) |
| Sumatera Barat | Ischemic heart disease                                   | 80  | 365.1 (299.8, 428.6)       | 0.0240866 (0.0197796, 0.0282787) | 0.15925 (0.14317, 0.17711) | 642.3 (552.9, 728.1)   | 0.0198264 (0.0170667, 0.0224758) | 0.14328 (0.12681, 0.16012) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 80  | 155.9 (121.8, 195.2)       | 0.0102872 (0.0080366, 0.0128768) | 0.06804 (0.05598, 0.08414) | 347.0 (276.5, 424.0)   | 0.0107128 (0.0085345, 0.0130890) | 0.07739 (0.06263, 0.09291) |
| Sumatera Barat | Diabetes mellitus                                        | 80  | 63.0 (47.4, 79.3)          | 0.0041569 (0.0031300, 0.0052314) | 0.02749 (0.02194, 0.03348) | 208.7 (166.3, 260.1)   | 0.0064413 (0.0051325, 0.0080280) | 0.04654 (0.03740, 0.05668) |
| Sumatera Barat | Chronic kidney disease                                   | 80  | 35.9 (25.8, 49.3)          | 0.0023677 (0.0017013, 0.0032494) | 0.01566 (0.01190, 0.02048) | 78.1 (57.7, 102.4)     | 0.0024098 (0.0017799, 0.0031597) | 0.01741 (0.01301, 0.02261) |
| Sumatera Barat | Cirrhosis                                                | 80  | 50.1 (36.5, 66.3)          | 0.003304 (0.0024087, 0.0043725)  | 0.02183 (0.01683, 0.02754) | 65.9 (50.5, 85.4)      | 0.0020335 (0.0015576, 0.0026376) | 0.01469 (0.01138, 0.01875) |
| Sumatera Barat | Chronic respiratory diseases                             | 80  | 390.7 (323.1, 455.7)       | 0.0257779 (0.0213133, 0.0300641) | 0.17047 (0.15418, 0.18788) | 552.0 (474.0, 632.4)   | 0.0170402 (0.0146319, 0.0195210) | 0.12311 (0.10928, 0.13736) |
| Sumatera Barat | Other non-communicable diseases                          | 80  | 257.9 (206.6, 312.3)       | 0.0170122 (0.0136307, 0.0206005) | 0.11247 (0.09897, 0.12881) | 579.8 (495.5, 672.3)   | 0.0178997 (0.0152946, 0.0207524) | 0.12933 (0.11429, 0.14770) |
| Sumatera Barat | Drowning                                                 | 80  | 2.8 (1.0, 6.7)             | 0.0001844 (0.0000680, 0.0004423) | 0.00122 (0.00045, 0.00281) | 3.3 (1.2, 7.2)         | 0.0001012 (0.0000382, 0.0002231) | 0.00073 (0.00027, 0.00159) |
| Sumatera Barat | Falls                                                    | 80  | 29.4 (19.1, 41.8)          | 0.0019417 (0.0012609, 0.0027601) | 0.01285 (0.00854, 0.01808) | 39.2 (26.7, 54.5)      | 0.00121 (0.0008232, 0.0016810)   | 0.00874 (0.00609, 0.01215) |
| Sumatera Barat | Interpersonal violence                                   | 80  | 0.9 (0.1, 2.7)             | 0.0000569 (0.0000097, 0.0001771) | 0.00038 (0.00007, 0.00112) | 1.1 (0.2, 3.1)         | 0.0000332 (0.0000070, 0.0000953) | 0.00024 (0.00005, 0.00068) |
| Sumatera Barat | Self-harm                                                | 80  | 4.7 (2.1, 8.9)             | 0.0003092 (0.0001358, 0.0005839) | 0.00204 (0.00091, 0.00395) | 4.5 (2.0, 8.9)         | 0.0001401 (0.0000605, 0.0002746) | 0.00101 (0.00044, 0.00197) |
| Sumatera Barat | Transport injuries                                       | 80  | 25.0 (15.9, 37.7)          | 0.0016483 (0.0010495, 0.0024866) | 0.0109 (0.00715, 0.01594)  | 21.0 (13.0, 31.4)      | 0.0006476 (0.0004000, 0.0009708) | 0.00468 (0.00294, 0.00698) |
| Sumatera Barat | Other unintentional injuries                             | 80  | 15.0 (8.1, 24.2)           | 0.0009907 (0.0005367, 0.0015964) | 0.00655 (0.00369, 0.01028) | 13.8 (7.5, 22.5)       | 0.0004271 (0.0002328, 0.0006955) | 0.00308 (0.00169, 0.00498) |
| Sumatera Barat | Diarrheal diseases                                       | All | 691.2 (518.4, 886.1)       | 0.0002686 (0.0002014, 0.0003444) | 0.03641 (0.02947, 0.04482) | 981.6 (777.6, 1,203.7) | 0.0003753 (0.0002973, 0.0004602) | 0.05655 (0.04673, 0.06689) |
| Sumatera Barat | HIV/AIDS                                                 | All | 45.5 (21.8, 83.2)          | 0.0000177 (0.0000084, 0.0000323) | 0.00239 (0.00119, 0.00412) | 25.1 (11.9, 46.1)      | 0.0000096 (0.0000045, 0.0000176) | 0.00144 (0.00070, 0.00267) |
| Sumatera Barat | Lower respiratory infections                             | All | 736.6 (527.5, 971.1)       | 0.0002862 (0.0002050, 0.0003774) | 0.03878 (0.02941, 0.04906) | 620.5 (466.3, 802.8)   | 0.0002372 (0.0001783, 0.0003069) | 0.03571 (0.02789, 0.04463) |
| Sumatera Barat | Malaria                                                  | All | 28.5 (8.3, 65.7)           | 0.0000111 (0.0000032, 0.0000255) | 0.0015 (0.00046, 0.00339)  | 19.1 (5.2, 44.0)       | 0.0000073 (0.0000020, 0.0000168) | 0.0011 (0.00031, 0.00249)  |
| Sumatera Barat | Tuberculosis                                             | All | 1,285.1 (1,010.5, 1,567.3) | 0.0004994 (0.0003927, 0.0006090) | 0.06767 (0.05865, 0.07649) | 821.0 (659.0, 982.6)   | 0.0003139 (0.0002519, 0.0003756) | 0.04729 (0.03924, 0.05514) |
| Sumatera Barat | Maternal disorders                                       | All |                            |                                  |                            | 66.1 (46.5, 90.4)      | 0.0000253 (0.0000178, 0.0000346) | 0.0038 (0.00275, 0.00499)  |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 391.4 (195.4, 626.4)       | 0.0001521 (0.0000759, 0.0002434) | 0.02054 (0.01055, 0.03270) | 259.2 (132.4, 442.9)   | 0.0000991 (0.0000506, 0.0001693) | 0.01485 (0.00786, 0.02468) |
| Sumatera Barat | Preterm birth complications                              | All | 358.6 (170.5, 598.0)       | 0.0001394 (0.0000663, 0.0002324) | 0.01882 (0.00922, 0.03083) | 319.5 (160.4, 553.3)   | 0.0001221 (0.0000613, 0.0002115) | 0.0183 (0.00946, 0.03060)  |
| Sumatera Barat | Other neonatal disorders                                 | All | 157.9 (61.9, 309.3)        | 0.0000614 (0.0000240, 0.0001202) | 0.00829 (0.00337, 0.01631) | 100.6 (37.9, 205.7)    | 0.0000385 (0.0000145, 0.0000786) | 0.00577 (0.00225, 0.01154) |
| Sumatera Barat | Other communicable diseases                              | All | 1,185.2 (934.1, 1,482.5)   | 0.0004606 (0.0003630, 0.0005761) | 0.06249 (0.05178, 0.07412) | 923.9 (723.1, 1,158.7) | 0.0003532 (0.0002764, 0.0004429) | 0.05321 (0.04314, 0.06541) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer                      | All | 118.4 (65.5, 198.4)        | 0.000046 (0.0000254, 0.0000771)  | 0.00622 (0.00367, 0.01021) | 39.3 (21.7, 67.8)      | 0.000015 (0.0000083, 0.0000259)  | 0.00226 (0.00125, 0.00404) |
| Sumatera Barat | Breast cancer                                            | All | 10.7 (5.3, 19.5)           | 0.0000041 (0.0000021, 0.0000076) | 0.00056 (0.00028, 0.00101) | 488.6 (362.8, 641.5)   | 0.0001868 (0.0001387, 0.0002452) | 0.02812 (0.02143, 0.03508) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Barat | Cervical cancer                                          | All |                            |                                  |                            | 123.3 (66.9, 207.7)        | 0.0000471 (0.0000256, 0.0000794) | 0.00709 (0.00397, 0.01167) |
| Sumatera Barat | Other malignant neoplasms                                | All | 715.2 (564.0, 900.9)       | 0.0002779 (0.0002192, 0.0003501) | 0.03766 (0.03175, 0.04471) | 535.4 (403.4, 689.7)       | 0.0002047 (0.0001542, 0.0002637) | 0.03083 (0.02437, 0.03813) |
| Sumatera Barat | Cerebrovascular disease                                  | All | 2,334.8 (1,872.3, 2,830.2) | 0.0009073 (0.0007276, 0.0010998) | 0.12292 (0.10944, 0.13712) | 2,877.7 (2,462.2, 3,377.3) | 0.0011001 (0.0009413, 0.0012911) | 0.16578 (0.14945, 0.18426) |
| Sumatera Barat | Ischemic heart disease                                   | All | 2,465.3 (1,979.7, 2,973.7) | 0.000958 (0.0007693, 0.0011556)  | 0.12981 (0.11513, 0.14486) | 1,952.4 (1,654.6, 2,264.2) | 0.0007464 (0.0006325, 0.0008656) | 0.11248 (0.09998, 0.12617) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | All | 882.9 (675.5, 1,113.0)     | 0.0003431 (0.0002625, 0.0004325) | 0.0465 (0.03828, 0.05660)  | 1,073.7 (851.9, 1,326.3)   | 0.0004104 (0.0003257, 0.0005070) | 0.06185 (0.05119, 0.07389) |
| Sumatera Barat | Diabetes mellitus                                        | All | 769.4 (586.8, 980.2)       | 0.000299 (0.0002280, 0.0003809)  | 0.04049 (0.03362, 0.04854) | 1,092.4 (866.4, 1,368.4)   | 0.0004176 (0.0003312, 0.0005231) | 0.06289 (0.05285, 0.07476) |
| Sumatera Barat | Chronic kidney disease                                   | All | 412.2 (310.5, 547.4)       | 0.0001602 (0.0001206, 0.0002127) | 0.0217 (0.01757, 0.02687)  | 405.0 (307.4, 523.4)       | 0.0001548 (0.0001175, 0.0002001) | 0.02331 (0.01843, 0.02894) |
| Sumatera Barat | Cirrhosis                                                | All | 734.3 (562.0, 943.7)       | 0.0002854 (0.0002184, 0.0003667) | 0.03866 (0.03156, 0.04674) | 375.1 (284.7, 479.0)       | 0.0001434 (0.0001089, 0.0001831) | 0.0216 (0.01731, 0.02664)  |
| Sumatera Barat | Chronic respiratory diseases                             | All | 2,093.8 (1,681.5, 2,536.4) | 0.0008136 (0.0006534, 0.0009856) | 0.11026 (0.09706, 0.12309) | 1,637.8 (1,375.8, 1,911.1) | 0.0006261 (0.0005259, 0.0007306) | 0.09434 (0.08307, 0.10590) |
| Sumatera Barat | Other non-communicable diseases                          | All | 1,688.9 (1,362.1, 2,057.3) | 0.0006563 (0.0005293, 0.0007995) | 0.0889 (0.08041, 0.09902)  | 1,935.6 (1,640.3, 2,269.0) | 0.0007399 (0.0006271, 0.0008674) | 0.11145 (0.09999, 0.12495) |
| Sumatera Barat | Drowning                                                 | All | 145.9 (90.0, 226.4)        | 0.0000567 (0.0000350, 0.0000880) | 0.0077 (0.00488, 0.01174)  | 48.8 (28.6, 77.1)          | 0.0000187 (0.0000109, 0.0000295) | 0.00281 (0.00169, 0.00446) |
| Sumatera Barat | Falls                                                    | All | 201.2 (136.2, 286.8)       | 0.0000782 (0.0000529, 0.0001114) | 0.0106 (0.00748, 0.01490)  | 120.2 (82.1, 171.9)        | 0.0000459 (0.0000314, 0.0000657) | 0.00692 (0.00479, 0.00969) |
| Sumatera Barat | Interpersonal violence                                   | All | 51.9 (35.4, 72.7)          | 0.0000202 (0.0000138, 0.0000283) | 0.00273 (0.00197, 0.00376) | 30.7 (19.5, 47.4)          | 0.0000117 (0.0000075, 0.0000181) | 0.00177 (0.00115, 0.00269) |
| Sumatera Barat | Self-harm                                                | All | 81.4 (55.8, 117.6)         | 0.0000316 (0.0000217, 0.0000457) | 0.00429 (0.00301, 0.00591) | 41.0 (25.8, 60.0)          | 0.0000157 (0.0000099, 0.0000229) | 0.00236 (0.00152, 0.00337) |
| Sumatera Barat | Transport injuries                                       | All | 1,057.9 (852.8, 1,316.3)   | 0.0004111 (0.0003314, 0.0005115) | 0.05572 (0.04790, 0.06415) | 320.2 (247.7, 394.8)       | 0.0001224 (0.0000947, 0.0001509) | 0.01844 (0.01484, 0.02210) |
| Sumatera Barat | Other unintentional injuries                             | All | 348.9 (247.1, 462.6)       | 0.0001356 (0.0000960, 0.0001798) | 0.01839 (0.01387, 0.02363) | 133.6 (92.7, 191.8)        | 0.0000511 (0.0000354, 0.0000733) | 0.00769 (0.00551, 0.01051) |
| Riau           | Diarrheal diseases                                       | NN  | 23.6 (9.1, 46.2)           | 0.0044037 (0.0016962, 0.0086150) | 0.01357 (0.00811, 0.02077) | 18.6 (7.6, 36.1)           | 0.0035899 (0.0014784, 0.0069930) | 0.0156 (0.00961, 0.02336)  |
| Riau           | Lower respiratory infections                             | NN  | 165.9 (79.7, 281.5)        | 0.0309125 (0.0148473, 0.0524378) | 0.09598 (0.07390, 0.12272) | 92.0 (44.6, 161.3)         | 0.0178041 (0.0086278, 0.0312075) | 0.07736 (0.05877, 0.09944) |
| Riau           | Malaria                                                  | NN  | 0.4 (0.0, 1.4)             | 0.0000737 (0.0000078, 0.0002601) | 0.00023 (0.00003, 0.00073) | 0.2 (0.0, 0.8)             | 0.0000409 (0.0000045, 0.0001524) | 0.00018 (0.00003, 0.00057) |
| Riau           | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 459.9 (224.3, 753.5)       | 0.0856749 (0.0417854, 0.1403837) | 0.26582 (0.21161, 0.32636) | 285.5 (144.4, 499.9)       | 0.0552358 (0.0279418, 0.0967308) | 0.24023 (0.18892, 0.29577) |
| Riau           | Preterm birth complications                              | NN  | 485.3 (236.3, 792.8)       | 0.090407 (0.0440166, 0.1476990)  | 0.28149 (0.21512, 0.34621) | 402.3 (202.8, 675.1)       | 0.077852 (0.0392504, 0.1306348)  | 0.33777 (0.27098, 0.39723) |
| Riau           | Other neonatal disorders                                 | NN  | 183.7 (72.7, 368.9)        | 0.0342174 (0.0135426, 0.0687263) | 0.10678 (0.06221, 0.16777) | 110.2 (41.0, 227.3)        | 0.0213222 (0.0079418, 0.0439757) | 0.09222 (0.04914, 0.15107) |
| Riau           | Other communicable diseases                              | NN  | 22.8 (8.7, 44.9)           | 0.0042384 (0.0016263, 0.0083727) | 0.01313 (0.00764, 0.02083) | 12.8 (5.0, 25.9)           | 0.0024783 (0.0009716, 0.0050019) | 0.01073 (0.00613, 0.01746) |
| Riau           | Other malignant neoplasms                                | NN  | 13.6 (5.2, 26.5)           | 0.0025354 (0.0009654, 0.0049357) | 0.00788 (0.00440, 0.01287) | 9.7 (3.8, 20.2)            | 0.0018789 (0.0007323, 0.0039060) | 0.00817 (0.00453, 0.01343) |
| Riau           | Cerebrovascular disease                                  | NN  | 4.5 (1.2, 12.6)            | 0.0008362 (0.0002243, 0.0023443) | 0.00258 (0.00084, 0.00583) | 4.1 (1.1, 11.0)            | 0.0007844 (0.0002048, 0.0021327) | 0.00341 (0.00114, 0.00789) |
| Riau           | Other cardiovascular and circulatory diseases            | NN  | 3.1 (0.7, 8.5)             | 0.0005772 (0.0001274, 0.0015859) | 0.0018 (0.00051, 0.00433)  | 2.7 (0.6, 7.6)             | 0.0005294 (0.0001244, 0.0014674) | 0.00228 (0.00070, 0.00573) |
| Riau           | Diabetes mellitus                                        | NN  | 1.0 (0.0, 8.3)             | 0.000188 (0.0000010, 0.0015404)  | 0.00059 (0.00000, 0.00488) | 0.8 (0.0, 6.4)             | 0.0001601 (0.0000009, 0.0012407) | 0.00072 (0.00000, 0.00574) |
| Riau           | Other non-communicable diseases                          | NN  | 270.2 (135.3, 428.4)       | 0.0503406 (0.0251978, 0.0798064) | 0.15687 (0.13399, 0.18037) | 224.2 (116.4, 375.4)       | 0.0433808 (0.0225190, 0.0726300) | 0.18838 (0.16142, 0.21450) |
| Riau           | Drowning                                                 | NN  | 19.1 (6.6, 43.9)           | 0.0035592 (0.0012264, 0.0081732) | 0.011 (0.00536, 0.01994)   | 4.8 (1.6, 11.2)            | 0.0009314 (0.0003003, 0.0021643) | 0.00403 (0.00188, 0.00753) |
| Riau           | Falls                                                    | NN  | 8.7 (2.8, 20.4)            | 0.0016219 (0.0005299, 0.0038057) | 0.00504 (0.00220, 0.00975) | 2.9 (0.9, 6.9)             | 0.0005628 (0.0001812, 0.0013337) | 0.00244 (0.00100, 0.00495) |
| Riau           | Interpersonal violence                                   | NN  | 5.5 (1.6, 14.0)            | 0.0010172 (0.0002902, 0.0026063) | 0.00317 (0.00119, 0.00700) | 2.8 (0.8, 7.1)             | 0.0005425 (0.0001565, 0.0013770) | 0.00235 (0.00085, 0.00512) |
| Riau           | Transport injuries                                       | NN  | 18.2 (6.6, 36.5)           | 0.0033873 (0.0012241, 0.0068090) | 0.01056 (0.00555, 0.01704) | 4.4 (1.5, 9.6)             | 0.0008476 (0.0002988, 0.0018653) | 0.00368 (0.00181, 0.00632) |
| Riau           | Other unintentional injuries                             | NN  | 40.8 (16.2, 79.4)          | 0.0075962 (0.0030155, 0.0147949) | 0.02354 (0.01392, 0.03706) | 12.5 (4.8, 24.8)           | 0.0024112 (0.0009334, 0.0048038) | 0.01046 (0.00614, 0.01649) |
| Riau           | Diarrheal diseases                                       | PNN | 327.8 (159.0, 569.3)       | 0.004893 (0.0023738, 0.0084979)  | 0.25645 (0.19711, 0.32061) | 370.0 (185.8, 650.8)       | 0.0057361 (0.0028808, 0.0100899) | 0.31284 (0.24616, 0.37456) |
| Riau           | HIV/AIDS                                                 | PNN | 10.3 (2.5, 26.6)           | 0.000153 (0.0000376, 0.0003967)  | 0.00801 (0.00244, 0.01924) | 7.8 (1.9, 20.9)            | 0.0001215 (0.0000292, 0.0003239) | 0.00659 (0.00196, 0.01555) |
| Riau           | Lower respiratory infections                             | PNN | 184.3 (92.9, 312.7)        | 0.0027513 (0.0013871, 0.0046675) | 0.14451 (0.11460, 0.17983) | 143.3 (72.2, 251.9)        | 0.0022218 (0.0011201, 0.0039045) | 0.12106 (0.09461, 0.15165) |
| Riau           | Malaria                                                  | PNN | 5.3 (0.7, 16.3)            | 0.0000788 (0.0000102, 0.0002432) | 0.00413 (0.00062, 0.01273) | 4.1 (0.5, 13.9)            | 0.0000636 (0.0000083, 0.0002149) | 0.00343 (0.00054, 0.01004) |
| Riau           | Tuberculosis                                             | PNN | 23.0 (9.6, 46.2)           | 0.0003426 (0.0001429, 0.0006892) | 0.01797 (0.00986, 0.02823) | 17.6 (7.0, 35.7)           | 0.0002736 (0.0001078, 0.0005538) | 0.01494 (0.00777, 0.02453) |
| Riau           | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 14.8 (4.3, 38.6)           | 0.0002214 (0.0000639, 0.0005755) | 0.01165 (0.00415, 0.02596) | 12.3 (3.4, 33.0)           | 0.0001902 (0.0000533, 0.0005114) | 0.01038 (0.00370, 0.02325) |
| Riau           | Preterm birth complications                              | PNN | 43.1 (16.3, 86.7)          | 0.0006431 (0.0002433, 0.0012947) | 0.0339 (0.01601, 0.05783)  | 53.6 (19.8, 109.7)         | 0.0008313 (0.0003064, 0.0017000) | 0.04533 (0.02252, 0.07658) |
| Riau           | Other neonatal disorders                                 | PNN | 22.6 (5.9, 60.6)           | 0.000337 (0.0000883, 0.0009043)  | 0.01776 (0.00616, 0.04453) | 18.5 (4.8, 48.9)           | 0.0002864 (0.0000737, 0.0007577) | 0.01568 (0.00523, 0.03959) |
| Riau           | Other communicable diseases                              | PNN | 351.3 (171.9, 595.5)       | 0.0052431 (0.0025659, 0.0088883) | 0.27518 (0.20843, 0.33953) | 283.6 (134.8, 510.5)       | 0.0043968 (0.0020899, 0.0079138) | 0.23886 (0.17612, 0.30314) |
| Riau           | Other malignant neoplasms                                | PNN | 9.5 (3.6, 19.2)            | 0.0001425 (0.0000538, 0.0002867) | 0.00744 (0.00413, 0.01214) | 9.3 (3.6, 18.6)            | 0.0001447 (0.0000551, 0.0002881) | 0.00785 (0.00439, 0.01272) |
| Riau           | Cerebrovascular disease                                  | PNN | 3.1 (0.8, 8.1)             | 0.0000466 (0.0000126, 0.0001212) | 0.00244 (0.00079, 0.00554) | 3.9 (1.1, 9.9)             | 0.0000601 (0.0000164, 0.0001539) | 0.00328 (0.00109, 0.00750) |
| Riau           | Ischemic heart disease                                   | PNN | 1.6 (0.1, 7.3)             | 0.0000238 (0.0000018, 0.0001083) | 0.00126 (0.00010, 0.00568) | 1.7 (0.1, 7.3)             | 0.0000257 (0.0000016, 0.0001138) | 0.00142 (0.00011, 0.00699) |
| Riau           | Other cardiovascular and circulatory diseases            | PNN | 2.2 (0.5, 5.9)             | 0.0000322 (0.0000077, 0.0000883) | 0.00169 (0.00049, 0.00420) | 2.6 (0.6, 7.2)             | 0.0000403 (0.0000096, 0.0001113) | 0.00218 (0.00066, 0.00548) |
| Riau           | Diabetes mellitus                                        | PNN | 0.7 (0.0, 5.9)             | 0.0000106 (0.0000001, 0.0000876) | 0.00055 (0.00000, 0.00469) | 0.8 (0.0, 6.3)             | 0.0000122 (0.0000001, 0.0000977) | 0.00069 (0.00000, 0.00549) |
| Riau           | Chronic kidney disease                                   | PNN | 13.1 (4.9, 26.6)           | 0.0001949 (0.0000726, 0.0003966) | 0.01029 (0.00510, 0.01865) | 11.7 (4.3, 25.8)           | 0.0001811 (0.0000671, 0.0003995) | 0.00992 (0.00454, 0.01871) |
| Riau           | Other non-communicable diseases                          | PNN | 187.6 (94.8, 309.5)        | 0.0027997 (0.0014155, 0.0046194) | 0.14708 (0.12466, 0.17067) | 212.6 (106.0, 357.9)       | 0.0032958 (0.0016432, 0.0055488) | 0.17966 (0.15350, 0.20526) |
| Riau           | Drowning                                                 | PNN | 16.3 (6.5, 34.2)           | 0.0002437 (0.0000964, 0.0005104) | 0.01274 (0.00662, 0.02269) | 5.6 (2.0, 12.6)            | 0.0000871 (0.0000304, 0.0001949) | 0.00472 (0.00229, 0.00861) |
| Riau           | Falls                                                    | PNN | 7.2 (2.5, 15.5)            | 0.0001069 (0.0000380, 0.0002307) | 0.00561 (0.00250, 0.01075) | 3.3 (1.1, 7.7)             | 0.0000506 (0.0000170, 0.0001195) | 0.00275 (0.00119, 0.00542) |
| Riau           | Interpersonal violence                                   | PNN | 4.4 (1.4, 10.5)            | 0.0000654 (0.0000202, 0.0001572) | 0.00345 (0.00134, 0.00742) | 3.1 (0.9, 7.5)             | 0.0000473 (0.0000142, 0.0001164) | 0.00259 (0.00097, 0.00548) |
| Riau           | Transport injuries                                       | PNN | 15.4 (6.2, 29.6)           | 0.0002293 (0.0000923, 0.0004415) | 0.01209 (0.00657, 0.01906) | 5.1 (2.0, 10.5)            | 0.0000784 (0.0000305, 0.0001632) | 0.00426 (0.00219, 0.00719) |
| Riau           | Other unintentional injuries                             | PNN | 32.9 (14.7, 62.0)          | 0.0004914 (0.0002193, 0.0009247) | 0.02578 (0.01575, 0.03948) | 13.8 (6.0, 27.6)           | 0.0002132 (0.0000928, 0.0004277) | 0.01158 (0.00703, 0.01784) |
| Riau           | Diarrheal diseases                                       | 1   | 89.2 (35.4, 184.6)         | 0.0003071 (0.0001218, 0.0006355) | 0.13346 (0.09386, 0.18125) | 108.6 (46.3, 219.6)        | 0.0003891 (0.0001658, 0.0007864) | 0.18124 (0.12874, 0.23708) |
| Riau           | HIV/AIDS                                                 | 1   | 6.6 (1.4, 18.0)            | 0.0000227 (0.0000047, 0.0000621) | 0.00989 (0.00301, 0.02285) | 5.5 (1.2, 14.9)            | 0.0000196 (0.0000044, 0.0000533) | 0.00914 (0.00275, 0.02212) |
| Riau           | Lower respiratory infections                             | 1   | 116.6 (47.2, 232.5)        | 0.0004013 (0.0001624, 0.0008003) | 0.17438 (0.13755, 0.21220) | 98.6 (43.5, 195.2)         | 0.0003531 (0.0001558, 0.0006988) | 0.16456 (0.12642, 0.20313) |
| Riau           | Malaria                                                  | 1   | 1.1 (0.1, 4.1)             | 0.0000039 (0.0000005, 0.0000141) | 0.00173 (0.00026, 0.00537) | 1.0 (0.1, 3.6)             | 0.0000035 (0.0000004, 0.0000130) | 0.0016 (0.00026, 0.00470)  |
| Riau           | Tuberculosis                                             | 1   | 15.7 (5.3, 34.8)           | 0.0000539 (0.0000181, 0.0001197) | 0.02341 (0.01305, 0.03644) | 13.1 (4.8, 28.6)           | 0.000047 (0.0000172, 0.0001024)  | 0.02191 (0.01169, 0.03521) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males               |                                  |                             | Females             |                                  |                            |
|----------|----------------------------------------------------------|-----|---------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 4.7 (1.2, 13.7)     | 0.0000162 (0.0000040, 0.0000472) | 0.00704 (0.00244, 0.01536)  | 4.0 (1.0, 11.6)     | 0.0000143 (0.0000037, 0.0000417) | 0.00663 (0.00220, 0.01471) |
| Riau     | Preterm birth complications                              | 1   | 2.7 (0.5, 9.8)      | 0.0000094 (0.0000016, 0.0000336) | 0.00405 (0.00092, 0.01197)  | 3.4 (0.6, 11.7)     | 0.0000124 (0.0000022, 0.0000420) | 0.00573 (0.00126, 0.01721) |
| Riau     | Other neonatal disorders                                 | 1   | 1.1 (0.0, 7.7)      | 0.0000037 (0.0000000, 0.0000266) | 0.00166 (0.00001, 0.001174) | 0.9 (0.0, 6.9)      | 0.0000032 (0.0000000, 0.0000247) | 0.00151 (0.00001, 0.01151) |
| Riau     | Other communicable diseases                              | 1   | 209.0 (86.6, 399.2) | 0.0007197 (0.0002982, 0.0013743) | 0.31408 (0.25852, 0.37122)  | 184.5 (84.5, 354.9) | 0.0006606 (0.0003027, 0.0012710) | 0.30911 (0.24779, 0.37103) |
| Riau     | Other malignant neoplasms                                | 1   | 4.4 (1.5, 9.8)      | 0.000015 (0.0000051, 0.0000338)  | 0.00655 (0.00360, 0.01082)  | 4.8 (1.8, 10.3)     | 0.0000171 (0.0000064, 0.0000369) | 0.00798 (0.00437, 0.01308) |
| Riau     | Cerebrovascular disease                                  | 1   | 1.6 (0.4, 4.4)      | 0.0000054 (0.0000012, 0.0000153) | 0.00235 (0.00075, 0.00530)  | 2.2 (0.5, 5.8)      | 0.0000078 (0.0000020, 0.0000206) | 0.00363 (0.00122, 0.00824) |
| Riau     | Ischemic heart disease                                   | 1   | 0.8 (0.0, 4.1)      | 0.0000029 (0.0000002, 0.0000143) | 0.00123 (0.00010, 0.00562)  | 1.0 (0.1, 4.8)      | 0.0000034 (0.0000002, 0.0000172) | 0.0016 (0.00013, 0.00760)  |
| Riau     | Other cardiovascular and circulatory diseases            | 1   | 1.0 (0.2, 3.0)      | 0.0000035 (0.0000008, 0.0000105) | 0.00153 (0.00042, 0.00373)  | 1.4 (0.3, 4.1)      | 0.0000049 (0.0000011, 0.0000145) | 0.00227 (0.00066, 0.00572) |
| Riau     | Diabetes mellitus                                        | 1   | 0.3 (0.0, 2.5)      | 0.0000011 (0.0000000, 0.0000087) | 0.00049 (0.00000, 0.00409)  | 0.4 (0.0, 3.3)      | 0.0000015 (0.0000000, 0.0000119) | 0.00071 (0.00000, 0.00556) |
| Riau     | Chronic kidney disease                                   | 1   | 5.8 (1.8, 13.0)     | 0.00002 (0.0000062, 0.0000449)   | 0.00875 (0.00425, 0.01607)  | 5.8 (1.8, 12.8)     | 0.0000207 (0.0000065, 0.0000460) | 0.00974 (0.00440, 0.01865) |
| Riau     | Cirrhosis                                                | 1   | 6.0 (1.5, 15.5)     | 0.0000207 (0.0000051, 0.0000533) | 0.00892 (0.00334, 0.01719)  | 3.7 (1.0, 9.2)      | 0.0000132 (0.0000037, 0.0000331) | 0.00614 (0.00225, 0.01207) |
| Riau     | Chronic respiratory diseases                             | 1   | 11.2 (3.3, 25.4)    | 0.0000384 (0.0000114, 0.0000876) | 0.01673 (0.00757, 0.02936)  | 5.1 (1.6, 12.3)     | 0.0000183 (0.0000056, 0.0000440) | 0.00856 (0.00373, 0.01663) |
| Riau     | Other non-communicable diseases                          | 1   | 86.4 (35.9, 164.7)  | 0.0002973 (0.0001235, 0.0005672) | 0.12941 (0.10574, 0.15812)  | 109.2 (49.4, 211.3) | 0.0003912 (0.0001770, 0.0007568) | 0.1825 (0.15339, 0.21537)  |
| Riau     | Drowning                                                 | 1   | 29.3 (10.7, 61.9)   | 0.0001008 (0.0000368, 0.0002133) | 0.04381 (0.02581, 0.07123)  | 11.3 (4.2, 24.2)    | 0.0000405 (0.0000149, 0.0000865) | 0.0189 (0.01052, 0.03244)  |
| Riau     | Falls                                                    | 1   | 9.0 (2.7, 22.0)     | 0.0000311 (0.0000094, 0.0000758) | 0.01348 (0.00656, 0.02481)  | 4.6 (1.4, 11.9)     | 0.0000166 (0.0000049, 0.0000426) | 0.00764 (0.00334, 0.01452) |
| Riau     | Interpersonal violence                                   | 1   | 4.5 (1.2, 11.1)     | 0.0000156 (0.0000040, 0.0000382) | 0.00682 (0.00259, 0.01364)  | 3.5 (1.0, 8.6)      | 0.0000127 (0.0000035, 0.0000307) | 0.00593 (0.00215, 0.01222) |
| Riau     | Transport injuries                                       | 1   | 24.7 (8.6, 54.2)    | 0.0000851 (0.0000296, 0.0001867) | 0.03709 (0.02036, 0.05626)  | 9.1 (3.2, 19.7)     | 0.0000326 (0.0000113, 0.0000705) | 0.01526 (0.00779, 0.02514) |
| Riau     | Other unintentional injuries                             | 1   | 35.6 (12.9, 79.1)   | 0.0001226 (0.0000445, 0.0002722) | 0.05315 (0.03326, 0.07970)  | 16.6 (6.2, 35.7)    | 0.0000595 (0.0000222, 0.0001280) | 0.0277 (0.01638, 0.04252)  |
| Riau     | Diarrheal diseases                                       | 5   | 19.3 (12.6, 26.9)   | 0.0000568 (0.0000370, 0.0000789) | 0.08565 (0.05774, 0.11936)  | 18.9 (12.8, 25.7)   | 0.0000584 (0.0000396, 0.0000794) | 0.1239 (0.08492, 0.16749)  |
| Riau     | HIV/AIDS                                                 | 5   | 1.0 (0.2, 2.9)      | 0.0000031 (0.0000006, 0.0000085) | 0.00467 (0.00096, 0.01269)  | 0.7 (0.1, 1.9)      | 0.0000021 (0.0000004, 0.0000060) | 0.00456 (0.00094, 0.01230) |
| Riau     | Lower respiratory infections                             | 5   | 16.8 (11.2, 23.2)   | 0.0000494 (0.0000328, 0.0000682) | 0.07448 (0.05141, 0.10163)  | 11.4 (7.5, 15.9)    | 0.0000351 (0.0000232, 0.0000492) | 0.07458 (0.05045, 0.10369) |
| Riau     | Malaria                                                  | 5   | 0.3 (0.0, 0.8)      | 0.0000007 (0.0000001, 0.0000023) | 0.00111 (0.00017, 0.00343)  | 0.2 (0.0, 0.5)      | 0.0000005 (0.0000001, 0.0000015) | 0.00109 (0.00017, 0.00324) |
| Riau     | Tuberculosis                                             | 5   | 3.3 (1.7, 5.3)      | 0.0000096 (0.0000051, 0.0000155) | 0.01441 (0.00776, 0.02299)  | 2.2 (1.2, 3.5)      | 0.0000067 (0.0000037, 0.0000108) | 0.01429 (0.00793, 0.02285) |
| Riau     | Other communicable diseases                              | 5   | 45.0 (35.4, 56.6)   | 0.0001321 (0.0001041, 0.0001663) | 0.19931 (0.16082, 0.24202)  | 31.8 (24.8, 40.0)   | 0.0000983 (0.0000765, 0.0001235) | 0.20868 (0.16303, 0.25848) |
| Riau     | Other malignant neoplasms                                | 5   | 9.1 (5.6, 14.1)     | 0.0000267 (0.0000164, 0.0000414) | 0.04032 (0.02462, 0.06102)  | 8.2 (5.2, 12.4)     | 0.0000255 (0.0000160, 0.0000383) | 0.05404 (0.03435, 0.08041) |
| Riau     | Cerebrovascular disease                                  | 5   | 2.2 (1.0, 4.1)      | 0.0000065 (0.0000031, 0.0000121) | 0.00973 (0.00467, 0.01791)  | 2.5 (1.2, 4.4)      | 0.0000078 (0.0000038, 0.0000137) | 0.01656 (0.00808, 0.02844) |
| Riau     | Ischemic heart disease                                   | 5   | 1.3 (0.5, 2.9)      | 0.0000039 (0.0000015, 0.0000086) | 0.00593 (0.00234, 0.01241)  | 1.3 (0.5, 2.5)      | 0.0000039 (0.0000016, 0.0000078) | 0.0083 (0.00330, 0.01684)  |
| Riau     | Other cardiovascular and circulatory diseases            | 5   | 1.6 (0.6, 3.6)      | 0.0000047 (0.0000019, 0.0000106) | 0.00715 (0.00287, 0.01555)  | 1.8 (0.7, 3.5)      | 0.0000054 (0.0000022, 0.0000107) | 0.01154 (0.00500, 0.02239) |
| Riau     | Diabetes mellitus                                        | 5   | 1.4 (0.5, 3.0)      | 0.000004 (0.0000014, 0.0000087)  | 0.00598 (0.00218, 0.01325)  | 1.4 (0.6, 3.1)      | 0.0000044 (0.0000017, 0.0000097) | 0.0094 (0.00365, 0.02117)  |
| Riau     | Chronic kidney disease                                   | 5   | 4.2 (2.1, 7.4)      | 0.0000123 (0.0000062, 0.0000217) | 0.01855 (0.00924, 0.03194)  | 3.5 (1.6, 6.4)      | 0.0000108 (0.0000049, 0.0000199) | 0.02291 (0.01058, 0.04197) |
| Riau     | Cirrhosis                                                | 5   | 5.5 (2.7, 9.6)      | 0.000016 (0.0000081, 0.0000282)  | 0.02414 (0.01234, 0.04143)  | 2.8 (1.4, 4.9)      | 0.0000087 (0.0000044, 0.0000151) | 0.01846 (0.00954, 0.03237) |
| Riau     | Chronic respiratory diseases                             | 5   | 3.0 (1.5, 5.6)      | 0.0000088 (0.0000044, 0.0000163) | 0.01333 (0.00678, 0.02414)  | 1.1 (0.5, 2.2)      | 0.0000035 (0.0000017, 0.0000069) | 0.00743 (0.00365, 0.01412) |
| Riau     | Other non-communicable diseases                          | 5   | 26.4 (19.8, 34.6)   | 0.0000775 (0.0000580, 0.0001017) | 0.11683 (0.09100, 0.14956)  | 27.8 (21.8, 35.3)   | 0.0000859 (0.0000674, 0.0001089) | 0.18234 (0.14599, 0.22380) |
| Riau     | Drowning                                                 | 5   | 36.6 (25.2, 49.7)   | 0.0001075 (0.0000740, 0.0001458) | 0.16212 (0.11206, 0.21598)  | 15.4 (10.1, 21.6)   | 0.0000476 (0.0000313, 0.0000667) | 0.10103 (0.06699, 0.14239) |
| Riau     | Falls                                                    | 5   | 5.8 (2.7, 10.9)     | 0.000017 (0.0000080, 0.0000321)  | 0.02563 (0.01203, 0.04785)  | 3.0 (1.5, 5.5)      | 0.0000092 (0.0000045, 0.0000170) | 0.01951 (0.00939, 0.03573) |
| Riau     | Interpersonal violence                                   | 5   | 1.3 (0.5, 2.9)      | 0.0000039 (0.0000014, 0.0000087) | 0.00589 (0.00211, 0.01346)  | 1.0 (0.4, 2.4)      | 0.0000032 (0.0000012, 0.0000074) | 0.00689 (0.00251, 0.01610) |
| Riau     | Transport injuries                                       | 5   | 29.8 (19.7, 43.0)   | 0.0000876 (0.0000579, 0.0001263) | 0.13214 (0.08900, 0.18382)  | 11.8 (7.1, 17.6)    | 0.0000365 (0.0000220, 0.0000545) | 0.07745 (0.04750, 0.11267) |
| Riau     | Other unintentional injuries                             | 5   | 11.9 (7.0, 19.0)    | 0.0000349 (0.0000206, 0.0000559) | 0.05263 (0.03111, 0.08405)  | 5.7 (3.2, 9.3)      | 0.0000175 (0.0000100, 0.0000289) | 0.03705 (0.02145, 0.06015) |
| Riau     | Diarrheal diseases                                       | 10  | 9.2 (5.6, 13.7)     | 0.0000298 (0.0000182, 0.0000444) | 0.0431 (0.02615, 0.06441)   | 8.3 (5.2, 12.1)     | 0.0000284 (0.0000179, 0.0000411) | 0.06259 (0.03981, 0.09128) |
| Riau     | HIV/AIDS                                                 | 10  | 1.0 (0.3, 2.3)      | 0.0000032 (0.0000009, 0.0000075) | 0.0046 (0.00124, 0.01100)   | 0.6 (0.2, 1.5)      | 0.0000022 (0.0000006, 0.0000050) | 0.00475 (0.00134, 0.01107) |
| Riau     | Lower respiratory infections                             | 10  | 10.5 (6.6, 14.9)    | 0.000034 (0.0000214, 0.0000483)  | 0.04922 (0.03108, 0.06908)  | 6.6 (4.2, 9.4)      | 0.0000223 (0.0000143, 0.0000319) | 0.04933 (0.03196, 0.06981) |
| Riau     | Malaria                                                  | 10  | 0.5 (0.1, 1.4)      | 0.0000015 (0.0000003, 0.0000044) | 0.00223 (0.00041, 0.00621)  | 0.3 (0.1, 1.0)      | 0.0000011 (0.0000002, 0.0000033) | 0.00239 (0.00046, 0.00709) |
| Riau     | Tuberculosis                                             | 10  | 7.1 (4.3, 10.9)     | 0.0000231 (0.0000138, 0.0000353) | 0.0335 (0.02007, 0.05050)   | 4.9 (3.0, 7.3)      | 0.0000166 (0.0000102, 0.0000247) | 0.03666 (0.02257, 0.05441) |
| Riau     | Maternal disorders                                       | 10  |                     |                                  |                             | 0.7 (0.1, 1.9)      | 0.0000024 (0.0000004, 0.0000064) | 0.00539 (0.00094, 0.01403) |
| Riau     | Other communicable diseases                              | 10  | 32.5 (24.8, 41.0)   | 0.0001054 (0.0000803, 0.0001329) | 0.15246 (0.12070, 0.18685)  | 20.4 (15.2, 26.1)   | 0.0000696 (0.0000517, 0.0000887) | 0.1536 (0.11771, 0.19206)  |
| Riau     | Other malignant neoplasms                                | 10  | 12.2 (8.3, 17.2)    | 0.0000395 (0.0000268, 0.0000557) | 0.05722 (0.03931, 0.07890)  | 11.1 (7.9, 15.0)    | 0.0000379 (0.0000268, 0.0000512) | 0.08352 (0.05898, 0.11154) |
| Riau     | Cerebrovascular disease                                  | 10  | 3.4 (1.9, 5.3)      | 0.0000109 (0.0000062, 0.0000173) | 0.01571 (0.00906, 0.02494)  | 3.5 (2.1, 5.5)      | 0.0000121 (0.0000072, 0.0000188) | 0.02669 (0.01601, 0.04113) |
| Riau     | Ischemic heart disease                                   | 10  | 3.0 (1.7, 5.1)      | 0.0000098 (0.0000056, 0.0000164) | 0.01413 (0.00821, 0.02304)  | 2.7 (1.6, 4.3)      | 0.0000091 (0.0000054, 0.0000146) | 0.02017 (0.01201, 0.03205) |
| Riau     | Other cardiovascular and circulatory diseases            | 10  | 2.2 (1.1, 4.0)      | 0.0000072 (0.0000036, 0.0000129) | 0.01039 (0.00520, 0.01842)  | 2.3 (1.2, 4.0)      | 0.0000079 (0.0000041, 0.0000136) | 0.01753 (0.00932, 0.03014) |
| Riau     | Diabetes mellitus                                        | 10  | 1.8 (0.9, 3.1)      | 0.0000058 (0.0000030, 0.0000101) | 0.00836 (0.00434, 0.01447)  | 1.8 (1.0, 3.2)      | 0.0000063 (0.0000033, 0.0000110) | 0.01385 (0.00721, 0.02373) |
| Riau     | Chronic kidney disease                                   | 10  | 5.4 (3.3, 8.2)      | 0.0000176 (0.0000106, 0.0000266) | 0.02552 (0.01548, 0.03862)  | 4.5 (2.4, 7.2)      | 0.0000153 (0.0000082, 0.0000246) | 0.03375 (0.01760, 0.05332) |
| Riau     | Cirrhosis                                                | 10  | 5.9 (3.6, 9.3)      | 0.0000192 (0.0000117, 0.0000300) | 0.02785 (0.01730, 0.04312)  | 2.8 (1.7, 4.4)      | 0.0000096 (0.0000058, 0.0000151) | 0.02129 (0.01276, 0.03321) |
| Riau     | Chronic respiratory diseases                             | 10  | 5.4 (3.3, 8.3)      | 0.0000176 (0.0000105, 0.0000268) | 0.02547 (0.01551, 0.03889)  | 2.2 (1.2, 3.5)      | 0.0000074 (0.0000042, 0.0000120) | 0.01643 (0.00938, 0.02614) |
| Riau     | Other non-communicable diseases                          | 10  | 28.6 (22.7, 35.6)   | 0.0000925 (0.0000736, 0.0001154) | 0.13394 (0.10833, 0.16353)  | 28.2 (22.7, 34.0)   | 0.0000961 (0.0000772, 0.0001159) | 0.21211 (0.17545, 0.24930) |
| Riau     | Drowning                                                 | 10  | 19.8 (12.3, 28.4)   | 0.0000642 (0.0000399, 0.0000921) | 0.09301 (0.05835, 0.13210)  | 6.3 (3.7, 10.0)     | 0.0000215 (0.0000126, 0.0000340) | 0.04749 (0.02776, 0.07413) |
| Riau     | Falls                                                    | 10  | 5.2 (2.5, 9.8)      | 0.0000169 (0.0000080, 0.0000316) | 0.02455 (0.01135, 0.04585)  | 2.2 (1.0, 4.3)      | 0.0000075 (0.0000035, 0.0000145) | 0.01659 (0.00767, 0.03174) |
| Riau     | Interpersonal violence                                   | 10  | 2.0 (1.0, 4.0)      | 0.0000065 (0.0000031, 0.0000129) | 0.00935 (0.00454, 0.01834)  | 1.5 (0.7, 2.9)      | 0.0000051 (0.0000024, 0.0000099) | 0.01128 (0.00534, 0.02099) |
| Riau     | Self-harm                                                | 10  | 1.6 (0.6, 3.4)      | 0.000005 (0.0000019, 0.0000110)  | 0.00732 (0.00271, 0.01575)  | 1.0 (0.4, 2.1)      | 0.0000034 (0.0000013, 0.0000071) | 0.00758 (0.00276, 0.01541) |
| Riau     | Transport injuries                                       | 10  | 44.2 (33.7, 55.2)   | 0.0001433 (0.0001092, 0.0001789) | 0.20738 (0.15917, 0.25448)  | 15.9 (11.2, 21.5)   | 0.0000542 (0.0000381, 0.0000731) | 0.11968 (0.08557, 0.15790) |
| Riau     | Other unintentional injuries                             | 10  | 11.7 (7.1, 18.1)    | 0.0000378 (0.0000231, 0.0000587) | 0.05467 (0.03419, 0.08334)  | 5.0 (2.9, 7.9)      | 0.0000169 (0.0000100, 0.0000268) | 0.03729 (0.02236, 0.05678) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Diarrheal diseases                            | 15  | 6.1 (3.0, 10.7)     | 0.0000223 (0.0000110, 0.0000392) | 0.01999 (0.01047, 0.03334) | 3.3 (1.6, 5.5)    | 0.0000125 (0.0000062, 0.0000211) | 0.01724 (0.00881, 0.02877) |
| Riau     | HIV/AIDS                                      | 15  | 1.0 (0.3, 2.5)      | 0.0000036 (0.0000010, 0.0000090) | 0.00321 (0.00089, 0.00784) | 0.4 (0.1, 1.1)    | 0.0000015 (0.0000004, 0.0000040) | 0.00209 (0.00058, 0.00544) |
| Riau     | Lower respiratory infections                  | 15  | 5.6 (3.1, 9.2)      | 0.0000204 (0.0000114, 0.0000337) | 0.0183 (0.01087, 0.02858)  | 2.0 (1.1, 3.2)    | 0.0000075 (0.0000043, 0.0000123) | 0.01036 (0.00590, 0.01706) |
| Riau     | Malaria                                       | 15  | 1.4 (0.3, 4.3)      | 0.0000052 (0.0000010, 0.0000157) | 0.00462 (0.00095, 0.01340) | 0.6 (0.1, 1.8)    | 0.0000022 (0.0000004, 0.0000068) | 0.00309 (0.00060, 0.00989) |
| Riau     | Tuberculosis                                  | 15  | 14.6 (9.3, 22.5)    | 0.0000534 (0.0000341, 0.0000821) | 0.04777 (0.03306, 0.06587) | 5.7 (3.8, 8.4)    | 0.0000217 (0.0000145, 0.0000321) | 0.02993 (0.01995, 0.04346) |
| Riau     | Maternal disorders                            | 15  |                     |                                  |                            | 15.5 (10.6, 21.6) | 0.000059 (0.0000405, 0.0000822)  | 0.0813 (0.05610, 0.11214)  |
| Riau     | Other communicable diseases                   | 15  | 26.0 (18.4, 37.3)   | 0.0000952 (0.0000672, 0.0001363) | 0.08521 (0.06433, 0.10991) | 9.5 (6.2, 13.5)   | 0.000036 (0.0000236, 0.0000513)  | 0.0496 (0.03306, 0.06941)  |
| Riau     | Tracheal, bronchus, and lung cancer           | 15  | 3.1 (1.1, 6.5)      | 0.0000114 (0.0000040, 0.0000238) | 0.01022 (0.00370, 0.02045) | 1.2 (0.4, 2.6)    | 0.0000046 (0.0000016, 0.0000098) | 0.0064 (0.00227, 0.01329)  |
| Riau     | Breast cancer                                 | 15  | 0.1 (0.0, 0.3)      | 0.0000003 (0.0000000, 0.0000010) | 0.00024 (0.00002, 0.00093) | 1.9 (0.6, 4.2)    | 0.0000071 (0.0000023, 0.0000160) | 0.00978 (0.00312, 0.02269) |
| Riau     | Cervical cancer                               | 15  |                     |                                  |                            | 1.6 (0.4, 3.9)    | 0.0000059 (0.0000016, 0.0000148) | 0.00816 (0.00215, 0.02058) |
| Riau     | Other malignant neoplasms                     | 15  | 14.5 (9.6, 21.8)    | 0.000053 (0.0000351, 0.0000797)  | 0.04742 (0.03406, 0.06522) | 15.6 (10.6, 21.7) | 0.0000594 (0.0000403, 0.0000825) | 0.0818 (0.05665, 0.11227)  |
| Riau     | Cerebrovascular disease                       | 15  | 6.3 (3.7, 10.4)     | 0.0000231 (0.0000134, 0.0000379) | 0.02062 (0.01270, 0.03146) | 6.3 (3.7, 9.9)    | 0.0000238 (0.0000141, 0.0000377) | 0.03282 (0.01974, 0.05138) |
| Riau     | Ischemic heart disease                        | 15  | 9.9 (6.2, 14.9)     | 0.0000362 (0.0000227, 0.0000546) | 0.0324 (0.02167, 0.04554)  | 7.1 (4.6, 10.6)   | 0.0000271 (0.0000174, 0.0000403) | 0.03729 (0.02422, 0.05449) |
| Riau     | Other cardiovascular and circulatory diseases | 15  | 3.5 (1.8, 6.2)      | 0.0000129 (0.0000065, 0.0000227) | 0.01151 (0.00602, 0.01941) | 3.9 (2.0, 6.6)    | 0.0000149 (0.0000076, 0.0000252) | 0.02058 (0.01042, 0.03490) |
| Riau     | Diabetes mellitus                             | 15  | 2.9 (1.5, 5.1)      | 0.0000107 (0.0000055, 0.0000187) | 0.0096 (0.00516, 0.01606)  | 3.2 (1.7, 5.5)    | 0.0000122 (0.0000064, 0.0000209) | 0.0168 (0.00887, 0.02820)  |
| Riau     | Chronic kidney disease                        | 15  | 8.3 (4.9, 13.6)     | 0.0000303 (0.0000180, 0.0000498) | 0.02713 (0.01692, 0.04069) | 7.3 (3.9, 11.9)   | 0.0000278 (0.0000149, 0.0000452) | 0.03828 (0.02062, 0.06117) |
| Riau     | Cirrhosis                                     | 15  | 7.4 (4.3, 12.2)     | 0.000027 (0.0000158, 0.0000446)  | 0.02414 (0.01471, 0.03718) | 3.6 (2.2, 5.9)    | 0.0000138 (0.0000083, 0.0000224) | 0.01909 (0.01142, 0.03059) |
| Riau     | Chronic respiratory diseases                  | 15  | 4.7 (2.7, 7.9)      | 0.0000173 (0.0000097, 0.0000290) | 0.01547 (0.00923, 0.02472) | 2.5 (1.4, 4.1)    | 0.0000095 (0.0000053, 0.0000156) | 0.01316 (0.00731, 0.02134) |
| Riau     | Other non-communicable diseases               | 15  | 34.7 (25.7, 49.0)   | 0.000127 (0.0000939, 0.0001790)  | 0.11355 (0.09106, 0.13663) | 33.8 (26.6, 41.5) | 0.0001288 (0.0001014, 0.0001580) | 0.17757 (0.14415, 0.21361) |
| Riau     | Drowning                                      | 15  | 10.0 (5.6, 16.8)    | 0.0000366 (0.0000204, 0.0000615) | 0.03279 (0.01851, 0.05296) | 2.9 (1.5, 5.3)    | 0.000011 (0.0000057, 0.0000201)  | 0.01521 (0.00803, 0.02729) |
| Riau     | Falls                                         | 15  | 4.6 (2.2, 8.7)      | 0.000017 (0.0000080, 0.0000319)  | 0.01518 (0.00751, 0.02777) | 1.9 (0.9, 3.8)    | 0.0000072 (0.0000034, 0.0000145) | 0.00996 (0.00461, 0.01976) |
| Riau     | Interpersonal violence                        | 15  | 4.7 (2.6, 8.5)      | 0.0000171 (0.0000094, 0.0000312) | 0.01526 (0.00853, 0.02616) | 3.7 (1.8, 6.8)    | 0.0000141 (0.0000070, 0.0000258) | 0.01937 (0.00979, 0.03439) |
| Riau     | Self-harm                                     | 15  | 3.2 (1.4, 6.3)      | 0.0000116 (0.0000051, 0.0000229) | 0.01037 (0.00484, 0.01905) | 2.2 (0.9, 4.1)    | 0.0000083 (0.0000035, 0.0000156) | 0.01144 (0.00495, 0.02176) |
| Riau     | Transport injuries                            | 15  | 116.0 (91.0, 155.7) | 0.0004241 (0.0003327, 0.0005691) | 0.37928 (0.33693, 0.42026) | 47.7 (38.2, 57.4) | 0.0001817 (0.0001456, 0.0002186) | 0.25031 (0.20786, 0.29576) |
| Riau     | Other unintentional injuries                  | 15  | 17.0 (10.6, 26.2)   | 0.0000623 (0.0000389, 0.0000957) | 0.05571 (0.03695, 0.07933) | 7.3 (4.4, 11.3)   | 0.0000278 (0.0000169, 0.0000431) | 0.03838 (0.02376, 0.05906) |
| Riau     | Diarrheal diseases                            | 20  | 6.9 (3.7, 12.1)     | 0.0000252 (0.0000136, 0.0000440) | 0.01745 (0.00988, 0.02764) | 3.8 (2.2, 6.2)    | 0.0000137 (0.0000079, 0.0000224) | 0.01605 (0.00928, 0.02549) |
| Riau     | HIV/AIDS                                      | 20  | 4.3 (1.4, 9.1)      | 0.0000156 (0.0000049, 0.0000334) | 0.01078 (0.00361, 0.02211) | 1.6 (0.5, 3.4)    | 0.0000059 (0.0000019, 0.0000124) | 0.0069 (0.00219, 0.01430)  |
| Riau     | Lower respiratory infections                  | 20  | 6.8 (3.7, 11.1)     | 0.0000249 (0.0000134, 0.0000405) | 0.01728 (0.00980, 0.02676) | 2.1 (1.1, 3.4)    | 0.0000075 (0.0000041, 0.0000122) | 0.00885 (0.00470, 0.01379) |
| Riau     | Malaria                                       | 20  | 2.1 (0.4, 5.8)      | 0.0000075 (0.0000014, 0.0000213) | 0.00516 (0.00102, 0.01430) | 0.9 (0.2, 2.5)    | 0.0000031 (0.0000006, 0.0000089) | 0.00364 (0.00072, 0.01029) |
| Riau     | Tuberculosis                                  | 20  | 37.9 (27.2, 55.6)   | 0.0001383 (0.0000991, 0.0002028) | 0.09569 (0.07415, 0.12164) | 12.1 (8.4, 17.0)  | 0.0000439 (0.0000302, 0.0000615) | 0.0515 (0.03657, 0.06978)  |
| Riau     | Maternal disorders                            | 20  |                     |                                  |                            | 23.9 (17.1, 31.8) | 0.0000866 (0.0000618, 0.0001150) | 0.10158 (0.07540, 0.13118) |
| Riau     | Other communicable diseases                   | 20  | 38.2 (26.8, 55.7)   | 0.0001395 (0.0000979, 0.0002032) | 0.09656 (0.07250, 0.12194) | 14.2 (9.6, 19.8)  | 0.0000513 (0.0000349, 0.0000716) | 0.06011 (0.04240, 0.07956) |
| Riau     | Tracheal, bronchus, and lung cancer           | 20  | 2.9 (0.9, 6.5)      | 0.0000106 (0.0000033, 0.0000237) | 0.00729 (0.00247, 0.01579) | 2.2 (0.9, 4.6)    | 0.0000081 (0.0000032, 0.0000168) | 0.00947 (0.00391, 0.01894) |
| Riau     | Breast cancer                                 | 20  | 0.1 (0.0, 0.4)      | 0.0000004 (0.0000001, 0.0000013) | 0.00029 (0.00005, 0.00085) | 6.6 (3.2, 11.4)   | 0.0000237 (0.0000114, 0.0000411) | 0.02777 (0.01383, 0.04686) |
| Riau     | Cervical cancer                               | 20  |                     |                                  |                            | 3.7 (1.4, 7.8)    | 0.0000133 (0.0000050, 0.0000284) | 0.01561 (0.00573, 0.03253) |
| Riau     | Other malignant neoplasms                     | 20  | 15.7 (10.7, 23.1)   | 0.0000571 (0.0000391, 0.0000841) | 0.03952 (0.02809, 0.05215) | 19.6 (13.2, 27.4) | 0.000071 (0.0000477, 0.0000991)  | 0.0832 (0.05783, 0.11220)  |
| Riau     | Cerebrovascular disease                       | 20  | 13.5 (9.4, 20.0)    | 0.0000493 (0.0000341, 0.0000729) | 0.03408 (0.02475, 0.04527) | 11.4 (7.8, 15.9)  | 0.0000411 (0.0000282, 0.0000576) | 0.04822 (0.03444, 0.06508) |
| Riau     | Ischemic heart disease                        | 20  | 20.6 (14.0, 29.8)   | 0.0000752 (0.0000510, 0.0001089) | 0.05206 (0.03781, 0.06854) | 9.9 (6.6, 14.4)   | 0.0000359 (0.0000239, 0.0000521) | 0.04212 (0.02795, 0.05737) |
| Riau     | Other cardiovascular and circulatory diseases | 20  | 6.1 (3.5, 10.1)     | 0.0000223 (0.0000126, 0.0000368) | 0.01541 (0.00932, 0.02344) | 6.6 (4.0, 10.0)   | 0.0000238 (0.0000145, 0.0000363) | 0.02792 (0.01708, 0.04230) |
| Riau     | Diabetes mellitus                             | 20  | 3.3 (1.8, 5.2)      | 0.0000119 (0.0000065, 0.0000191) | 0.00826 (0.00474, 0.01267) | 3.4 (1.9, 5.6)    | 0.0000122 (0.0000068, 0.0000202) | 0.01436 (0.00810, 0.02276) |
| Riau     | Chronic kidney disease                        | 20  | 14.9 (9.3, 22.8)    | 0.0000543 (0.0000340, 0.0000832) | 0.03751 (0.02532, 0.05161) | 12.3 (7.1, 18.8)  | 0.0000446 (0.0000258, 0.0000678) | 0.05229 (0.03108, 0.07842) |
| Riau     | Cirrhosis                                     | 20  | 13.6 (8.6, 22.2)    | 0.0000496 (0.0000314, 0.0000810) | 0.03425 (0.02300, 0.04974) | 6.4 (3.9, 10.0)   | 0.0000231 (0.0000143, 0.0000361) | 0.02713 (0.01727, 0.04227) |
| Riau     | Chronic respiratory diseases                  | 20  | 12.2 (7.7, 18.4)    | 0.0000445 (0.0000282, 0.0000669) | 0.03079 (0.02053, 0.04277) | 7.4 (4.9, 10.8)   | 0.0000268 (0.0000179, 0.0000390) | 0.0315 (0.02097, 0.04466)  |
| Riau     | Other non-communicable diseases               | 20  | 37.9 (28.0, 54.0)   | 0.0001381 (0.0001022, 0.0001970) | 0.09559 (0.07403, 0.11658) | 33.7 (25.7, 43.2) | 0.0001218 (0.0000929, 0.0001563) | 0.14283 (0.11432, 0.17371) |
| Riau     | Drowning                                      | 20  | 8.5 (4.3, 15.2)     | 0.0000311 (0.0000158, 0.0000556) | 0.0215 (0.01129, 0.03545)  | 2.1 (0.9, 3.7)    | 0.0000074 (0.0000034, 0.0000134) | 0.00875 (0.00410, 0.01612) |
| Riau     | Falls                                         | 20  | 5.3 (2.6, 9.9)      | 0.0000194 (0.0000093, 0.0000362) | 0.01346 (0.00665, 0.02372) | 1.8 (0.8, 3.4)    | 0.0000066 (0.0000031, 0.0000124) | 0.00775 (0.00356, 0.01437) |
| Riau     | Interpersonal violence                        | 20  | 6.5 (3.6, 11.6)     | 0.0000236 (0.0000130, 0.0000425) | 0.01631 (0.00931, 0.02739) | 4.2 (2.1, 7.5)    | 0.0000152 (0.0000076, 0.0000271) | 0.01781 (0.00911, 0.03062) |
| Riau     | Self-harm                                     | 20  | 3.8 (1.7, 7.3)      | 0.0000137 (0.0000062, 0.0000265) | 0.00949 (0.00451, 0.01678) | 2.1 (0.9, 4.0)    | 0.0000077 (0.0000033, 0.0000143) | 0.00899 (0.00396, 0.01699) |
| Riau     | Transport injuries                            | 20  | 113.2 (87.9, 154.9) | 0.0004129 (0.0003207, 0.0005652) | 0.2856 (0.24727, 0.32497)  | 35.9 (27.5, 46.5) | 0.00013 (0.0000994, 0.0001683)   | 0.15235 (0.12177, 0.18850) |
| Riau     | Other unintentional injuries                  | 20  | 22.1 (13.8, 33.6)   | 0.0000805 (0.0000502, 0.0001227) | 0.05568 (0.03761, 0.08079) | 7.9 (4.7, 12.4)   | 0.0000284 (0.0000171, 0.0000447) | 0.03332 (0.02046, 0.05094) |
| Riau     | Diarrheal diseases                            | 25  | 11.5 (6.6, 18.6)    | 0.0000383 (0.0000220, 0.0000620) | 0.02236 (0.01362, 0.03474) | 3.3 (1.9, 5.6)    | 0.0000112 (0.0000064, 0.0000190) | 0.01128 (0.00670, 0.01765) |
| Riau     | HIV/AIDS                                      | 25  | 9.4 (3.2, 18.0)     | 0.0000313 (0.0000107, 0.0000598) | 0.01825 (0.00625, 0.03413) | 1.9 (0.6, 3.8)    | 0.0000064 (0.0000022, 0.0000129) | 0.00639 (0.00223, 0.01256) |
| Riau     | Lower respiratory infections                  | 25  | 8.4 (4.6, 13.2)     | 0.0000279 (0.0000153, 0.0000440) | 0.01626 (0.00929, 0.02535) | 1.3 (0.7, 2.3)    | 0.0000045 (0.0000024, 0.0000078) | 0.00456 (0.00250, 0.00731) |
| Riau     | Malaria                                       | 25  | 2.6 (0.5, 7.3)      | 0.0000085 (0.0000016, 0.0000244) | 0.00498 (0.00099, 0.01419) | 0.5 (0.1, 1.5)    | 0.0000018 (0.0000003, 0.0000051) | 0.00185 (0.00035, 0.00520) |
| Riau     | Tuberculosis                                  | 25  | 61.3 (45.7, 83.3)   | 0.0002041 (0.0001522, 0.0002774) | 0.11906 (0.09413, 0.14913) | 9.9 (6.7, 14.5)   | 0.0000332 (0.0000224, 0.0000487) | 0.03339 (0.02395, 0.04603) |
| Riau     | Maternal disorders                            | 25  |                     |                                  |                            | 52.3 (39.1, 68.7) | 0.0001763 (0.0001317, 0.0002316) | 0.17712 (0.14714, 0.20852) |
| Riau     | Other communicable diseases                   | 25  | 47.5 (34.3, 65.8)   | 0.0001581 (0.0001143, 0.0002189) | 0.0921 (0.06994, 0.11754)  | 9.4 (6.2, 14.1)   | 0.0000317 (0.0000208, 0.0000476) | 0.03179 (0.02313, 0.04448) |
| Riau     | Tracheal, bronchus, and lung cancer           | 25  | 3.7 (1.1, 8.8)      | 0.0000125 (0.0000037, 0.0000294) | 0.00728 (0.00222, 0.01700) | 3.2 (1.3, 6.5)    | 0.0000109 (0.0000045, 0.0000218) | 0.01092 (0.00466, 0.02074) |
| Riau     | Breast cancer                                 | 25  | 0.1 (0.0, 0.4)      | 0.0000005 (0.0000001, 0.0000013) | 0.00026 (0.00006, 0.00079) | 13.7 (6.5, 23.7)  | 0.0000463 (0.0000220, 0.0000799) | 0.04643 (0.02302, 0.07638) |
| Riau     | Cervical cancer                               | 25  |                     |                                  |                            | 8.1 (2.8, 17.4)   | 0.0000272 (0.0000093, 0.0000588) | 0.02732 (0.00986, 0.05734) |
| Riau     | Other malignant neoplasms                     | 25  | 25.6 (18.2, 35.5)   | 0.0000852 (0.0000605, 0.0001183) | 0.04965 (0.03705, 0.06330) | 22.8 (14.0, 34.7) | 0.0000768 (0.0000471, 0.0001171) | 0.07713 (0.05001, 0.10950) |
| Riau     | Cerebrovascular disease                       | 25  | 27.2 (20.1, 37.2)   | 0.0000907 (0.0000670, 0.0001237) | 0.05285 (0.04109, 0.06774) | 20.5 (14.5, 29.7) | 0.000069 (0.0000489, 0.0001001)  | 0.06926 (0.05405, 0.08854) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males              |                                  |                             | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|--------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Ischemic heart disease                        | 25  | 43.1 (32.2, 58.5)  | 0.0001436 (0.0001071, 0.0001946) | 0.08371 (0.06698, 0.10385)  | 17.7 (12.0, 25.5) | 0.0000598 (0.0000405, 0.0000858) | 0.06007 (0.04300, 0.07873) |
| Riau     | Other cardiovascular and circulatory diseases | 25  | 9.3 (5.8, 14.9)    | 0.0000309 (0.0000195, 0.0000497) | 0.01799 (0.01158, 0.02606)  | 9.0 (5.7, 13.6)   | 0.0000304 (0.0000191, 0.0000459) | 0.03061 (0.01950, 0.04395) |
| Riau     | Diabetes mellitus                             | 25  | 6.5 (4.1, 9.7)     | 0.0000217 (0.0000136, 0.0000324) | 0.01266 (0.00837, 0.01810)  | 5.8 (3.5, 8.8)    | 0.0000196 (0.0000119, 0.0000298) | 0.01974 (0.01297, 0.02825) |
| Riau     | Chronic kidney disease                        | 25  | 20.0 (13.0, 29.2)  | 0.0000665 (0.0000434, 0.0000972) | 0.03878 (0.02651, 0.05286)  | 14.2 (8.3, 22.3)  | 0.0000479 (0.0000280, 0.0000753) | 0.04815 (0.02958, 0.07061) |
| Riau     | Cirrhosis                                     | 25  | 22.2 (14.8, 32.8)  | 0.0000739 (0.0000494, 0.0001093) | 0.043 (0.02948, 0.05918)    | 9.2 (5.8, 13.9)   | 0.0000312 (0.0000194, 0.0000467) | 0.03131 (0.02116, 0.04535) |
| Riau     | Chronic respiratory diseases                  | 25  | 18.2 (12.3, 26.1)  | 0.0000605 (0.0000410, 0.0000870) | 0.03531 (0.02473, 0.04811)  | 9.9 (6.5, 14.4)   | 0.0000333 (0.0000219, 0.0000485) | 0.03349 (0.02258, 0.04535) |
| Riau     | Other non-communicable diseases               | 25  | 50.2 (38.6, 68.0)  | 0.000167 (0.0001284, 0.0002264)  | 0.09737 (0.07896, 0.11823)  | 40.2 (29.8, 54.7) | 0.0001354 (0.0001004, 0.0001845) | 0.13599 (0.11078, 0.16309) |
| Riau     | Drowning                                      | 25  | 6.4 (3.0, 11.5)    | 0.0000213 (0.0000101, 0.0000382) | 0.01245 (0.00593, 0.02242)  | 1.4 (0.6, 2.6)    | 0.0000047 (0.0000021, 0.0000089) | 0.00473 (0.00218, 0.00891) |
| Riau     | Falls                                         | 25  | 8.7 (4.3, 15.9)    | 0.000029 (0.0000144, 0.0000528)  | 0.01693 (0.00858, 0.03029)  | 2.7 (1.3, 5.2)    | 0.000009 (0.0000043, 0.0000174)  | 0.009 (0.00453, 0.01654)   |
| Riau     | Interpersonal violence                        | 25  | 7.6 (4.2, 12.6)    | 0.0000252 (0.0000141, 0.0000418) | 0.0147 (0.00849, 0.02346)   | 4.1 (2.0, 7.1)    | 0.0000138 (0.0000069, 0.0000239) | 0.01384 (0.00736, 0.02352) |
| Riau     | Self-harm                                     | 25  | 4.1 (1.9, 7.8)     | 0.0000136 (0.0000062, 0.0000259) | 0.00792 (0.00372, 0.01445)  | 1.9 (0.8, 3.5)    | 0.0000064 (0.0000028, 0.0000119) | 0.00639 (0.00288, 0.01193) |
| Riau     | Transport injuries                            | 25  | 91.3 (69.3, 120.7) | 0.0003037 (0.0002308, 0.0004019) | 0.17713 (0.14451, 0.21598)  | 23.0 (15.6, 32.8) | 0.0000775 (0.0000527, 0.0001106) | 0.07787 (0.05750, 0.10230) |
| Riau     | Other unintentional injuries                  | 25  | 30.4 (19.6, 46.2)  | 0.0001014 (0.0000651, 0.0001538) | 0.05901 (0.03937, 0.08565)  | 9.3 (5.5, 14.4)   | 0.0000313 (0.0000186, 0.0000485) | 0.03137 (0.01943, 0.04578) |
| Riau     | Diarrheal diseases                            | 30  | 12.2 (7.2, 19.2)   | 0.0000439 (0.0000259, 0.0000691) | 0.02283 (0.01410, 0.03484)  | 3.8 (2.2, 6.5)    | 0.0000148 (0.0000084, 0.0000254) | 0.01192 (0.00744, 0.01857) |
| Riau     | HIV/AIDS                                      | 30  | 9.0 (3.1, 16.8)    | 0.0000323 (0.0000112, 0.0000607) | 0.01678 (0.00591, 0.03089)  | 2.0 (0.7, 4.1)    | 0.0000078 (0.0000028, 0.0000160) | 0.0063 (0.00231, 0.01191)  |
| Riau     | Lower respiratory infections                  | 30  | 7.3 (4.0, 11.8)    | 0.0000264 (0.0000146, 0.0000425) | 0.01374 (0.00795, 0.02133)  | 1.3 (0.7, 2.3)    | 0.0000052 (0.0000027, 0.0000089) | 0.00422 (0.00226, 0.00694) |
| Riau     | Malaria                                       | 30  | 2.1 (0.4, 5.8)     | 0.0000076 (0.0000015, 0.0000210) | 0.00394 (0.00080, 0.01084)  | 0.4 (0.1, 1.2)    | 0.0000017 (0.0000003, 0.0000047) | 0.00137 (0.00028, 0.00372) |
| Riau     | Tuberculosis                                  | 30  | 59.6 (44.0, 80.5)  | 0.0002151 (0.0001587, 0.0002903) | 0.1117 (0.08705, 0.13794)   | 9.8 (6.4, 15.0)   | 0.0000381 (0.0000251, 0.0000586) | 0.03074 (0.02169, 0.04178) |
| Riau     | Maternal disorders                            | 30  |                    |                                  |                             | 45.0 (32.9, 63.3) | 0.0001753 (0.0001282, 0.0002467) | 0.14127 (0.11592, 0.16890) |
| Riau     | Other communicable diseases                   | 30  | 31.4 (21.6, 44.9)  | 0.0001132 (0.0000780, 0.0001619) | 0.05878 (0.04241, 0.07857)  | 6.9 (4.2, 10.7)   | 0.0000268 (0.0000162, 0.0000415) | 0.02153 (0.01472, 0.03111) |
| Riau     | Tracheal, bronchus, and lung cancer           | 30  | 7.2 (2.8, 14.1)    | 0.0000258 (0.0000101, 0.0000507) | 0.01342 (0.00535, 0.02554)  | 3.5 (1.5, 6.8)    | 0.0000136 (0.0000059, 0.0000267) | 0.01097 (0.00516, 0.02017) |
| Riau     | Breast cancer                                 | 30  | 0.2 (0.0, 0.5)     | 0.0000006 (0.0000001, 0.0000019) | 0.00029 (0.00005, 0.000096) | 20.5 (11.2, 32.7) | 0.0000798 (0.0000436, 0.0001276) | 0.06424 (0.03810, 0.09528) |
| Riau     | Cervical cancer                               | 30  |                    |                                  |                             | 11.4 (4.7, 22.6)  | 0.0000446 (0.0000183, 0.0000879) | 0.03587 (0.01499, 0.06825) |
| Riau     | Other malignant neoplasms                     | 30  | 29.5 (20.9, 41.3)  | 0.0001063 (0.0000753, 0.0001488) | 0.05523 (0.04112, 0.07177)  | 22.5 (13.5, 35.2) | 0.0000876 (0.0000524, 0.0001373) | 0.07058 (0.04478, 0.10135) |
| Riau     | Cerebrovascular disease                       | 30  | 41.8 (31.8, 54.8)  | 0.0001507 (0.0001146, 0.0001975) | 0.07823 (0.06241, 0.09647)  | 31.5 (22.5, 45.8) | 0.0001229 (0.0000877, 0.0001785) | 0.099 (0.07976, 0.12142)   |
| Riau     | Ischemic heart disease                        | 30  | 64.6 (50.0, 83.8)  | 0.000233 (0.0001804, 0.0003021)  | 0.12104 (0.09845, 0.14371)  | 24.7 (17.0, 36.2) | 0.0000962 (0.0000662, 0.0001409) | 0.0775 (0.05814, 0.09780)  |
| Riau     | Other cardiovascular and circulatory diseases | 30  | 10.8 (6.8, 17.3)   | 0.0000388 (0.0000247, 0.0000622) | 0.02016 (0.01308, 0.03041)  | 10.6 (6.6, 16.5)  | 0.0000414 (0.0000257, 0.0000643) | 0.03336 (0.02171, 0.04808) |
| Riau     | Diabetes mellitus                             | 30  | 10.6 (7.0, 15.3)   | 0.0000383 (0.0000251, 0.0000552) | 0.01992 (0.01399, 0.02723)  | 9.1 (5.7, 14.0)   | 0.0000356 (0.0000220, 0.0000546) | 0.0287 (0.01967, 0.04125)  |
| Riau     | Chronic kidney disease                        | 30  | 21.7 (14.5, 30.9)  | 0.0000781 (0.0000523, 0.0001113) | 0.04057 (0.02786, 0.05477)  | 14.6 (8.2, 23.9)  | 0.0000568 (0.0000321, 0.0000931) | 0.04576 (0.02846, 0.06743) |
| Riau     | Cirrhosis                                     | 30  | 28.2 (19.1, 41.2)  | 0.0001017 (0.0000687, 0.0001487) | 0.05273 (0.03747, 0.07267)  | 11.9 (7.4, 18.3)  | 0.0000464 (0.0000288, 0.0000713) | 0.03739 (0.02563, 0.05398) |
| Riau     | Chronic respiratory diseases                  | 30  | 17.0 (11.1, 25.0)  | 0.0000612 (0.0000401, 0.0000903) | 0.03179 (0.02197, 0.04393)  | 9.7 (6.2, 15.1)   | 0.0000379 (0.0000242, 0.0000587) | 0.03056 (0.02112, 0.04193) |
| Riau     | Other non-communicable diseases               | 30  | 50.1 (38.1, 66.4)  | 0.0001807 (0.0001372, 0.0002395) | 0.09387 (0.07583, 0.11281)  | 40.6 (29.3, 58.0) | 0.0001583 (0.0001143, 0.0002261) | 0.12751 (0.10392, 0.15403) |
| Riau     | Drowning                                      | 30  | 6.7 (3.2, 12.1)    | 0.0000243 (0.0000116, 0.0000437) | 0.01263 (0.00640, 0.02161)  | 1.7 (0.8, 3.2)    | 0.0000068 (0.0000032, 0.0000125) | 0.00546 (0.00265, 0.00969) |
| Riau     | Falls                                         | 30  | 9.9 (5.2, 17.9)    | 0.0000359 (0.0000186, 0.0000645) | 0.01868 (0.00983, 0.03398)  | 3.4 (1.7, 6.8)    | 0.0000132 (0.0000066, 0.0000264) | 0.01067 (0.00535, 0.01996) |
| Riau     | Interpersonal violence                        | 30  | 6.0 (3.3, 9.9)     | 0.0000216 (0.0000118, 0.0000355) | 0.01122 (0.00621, 0.01830)  | 3.1 (1.5, 5.5)    | 0.0000121 (0.0000057, 0.0000213) | 0.00973 (0.00505, 0.01645) |
| Riau     | Self-harm                                     | 30  | 3.2 (1.5, 6.1)     | 0.0000115 (0.0000052, 0.0000218) | 0.00597 (0.00281, 0.01069)  | 1.4 (0.6, 2.7)    | 0.0000053 (0.0000023, 0.0000104) | 0.00431 (0.00195, 0.00789) |
| Riau     | Transport injuries                            | 30  | 77.3 (57.1, 102.9) | 0.0002786 (0.0002058, 0.0003712) | 0.14468 (0.11212, 0.17907)  | 20.4 (13.3, 30.9) | 0.0000794 (0.0000519, 0.0001203) | 0.06395 (0.04587, 0.08439) |
| Riau     | Other unintentional injuries                  | 30  | 27.7 (17.3, 42.5)  | 0.0000999 (0.0000625, 0.0001533) | 0.0518 (0.03417, 0.07443)   | 8.6 (5.0, 14.0)   | 0.0000336 (0.0000195, 0.0000544) | 0.02707 (0.01646, 0.03993) |
| Riau     | Diarrheal diseases                            | 35  | 10.3 (6.1, 16.7)   | 0.0000426 (0.0000251, 0.0000690) | 0.0172 (0.01046, 0.02651)   | 5.5 (3.2, 9.0)    | 0.0000246 (0.0000144, 0.0000406) | 0.0132 (0.00810, 0.02006)  |
| Riau     | HIV/AIDS                                      | 35  | 7.6 (2.7, 14.9)    | 0.0000313 (0.0000111, 0.0000615) | 0.0126 (0.00457, 0.02351)   | 2.7 (1.0, 5.8)    | 0.0000123 (0.0000074, 0.0000262) | 0.00662 (0.00239, 0.01314) |
| Riau     | Lower respiratory infections                  | 35  | 7.3 (4.1, 11.8)    | 0.0000303 (0.0000171, 0.0000489) | 0.01222 (0.00716, 0.01849)  | 2.3 (1.1, 3.9)    | 0.0000102 (0.0000052, 0.0000176) | 0.0055 (0.00299, 0.00867)  |
| Riau     | Malaria                                       | 35  | 1.8 (0.4, 5.5)     | 0.0000075 (0.0000015, 0.0000226) | 0.00302 (0.00061, 0.00870)  | 0.6 (0.1, 1.8)    | 0.0000028 (0.0000005, 0.0000081) | 0.00148 (0.00031, 0.00405) |
| Riau     | Tuberculosis                                  | 35  | 60.3 (44.6, 79.6)  | 0.0002488 (0.0001839, 0.0003285) | 0.10033 (0.07969, 0.12364)  | 16.0 (10.3, 24.0) | 0.000072 (0.0000463, 0.0001083)  | 0.03866 (0.02762, 0.05211) |
| Riau     | Maternal disorders                            | 35  |                    |                                  |                             | 37.6 (26.1, 53.0) | 0.0001696 (0.0001178, 0.0002390) | 0.09115 (0.07172, 0.11194) |
| Riau     | Other communicable diseases                   | 35  | 26.9 (17.9, 37.3)  | 0.000111 (0.0000740, 0.0001541)  | 0.04473 (0.03146, 0.05913)  | 10.1 (6.2, 15.3)  | 0.0000454 (0.0000279, 0.0000691) | 0.02438 (0.01672, 0.03341) |
| Riau     | Tracheal, bronchus, and lung cancer           | 35  | 5.9 (2.3, 12.0)    | 0.0000243 (0.0000094, 0.0000496) | 0.0098 (0.00400, 0.01923)   | 4.8 (2.2, 8.8)    | 0.0000215 (0.0000097, 0.0000397) | 0.01156 (0.00536, 0.02069) |
| Riau     | Breast cancer                                 | 35  | 0.3 (0.1, 1.0)     | 0.0000013 (0.0000002, 0.0000041) | 0.00051 (0.00010, 0.00166)  | 31.8 (18.2, 48.7) | 0.0001435 (0.0000819, 0.0002195) | 0.07708 (0.04695, 0.10695) |
| Riau     | Cervical cancer                               | 35  |                    |                                  |                             | 17.8 (7.9, 32.7)  | 0.0000804 (0.0000358, 0.0001473) | 0.0432 (0.01956, 0.07810)  |
| Riau     | Other malignant neoplasms                     | 35  | 43.8 (31.7, 59.7)  | 0.0001809 (0.0001310, 0.0002462) | 0.07295 (0.05589, 0.09278)  | 26.1 (15.8, 40.4) | 0.0001175 (0.0000714, 0.0001821) | 0.06313 (0.04116, 0.09062) |
| Riau     | Cerebrovascular disease                       | 35  | 65.0 (50.3, 84.8)  | 0.0002683 (0.0002075, 0.0003498) | 0.10811 (0.08891, 0.12947)  | 54.5 (38.6, 77.1) | 0.0002454 (0.0001740, 0.0003475) | 0.13186 (0.10653, 0.15777) |
| Riau     | Ischemic heart disease                        | 35  | 87.1 (67.8, 110.2) | 0.0003595 (0.0002795, 0.0004548) | 0.14492 (0.12152, 0.16963)  | 38.9 (27.2, 56.7) | 0.0001754 (0.0001228, 0.0002554) | 0.09417 (0.07270, 0.11707) |
| Riau     | Other cardiovascular and circulatory diseases | 35  | 14.1 (8.8, 21.6)   | 0.0000582 (0.0000365, 0.0000891) | 0.02345 (0.01548, 0.03399)  | 14.7 (9.2, 22.8)  | 0.0000664 (0.0000413, 0.0001030) | 0.03569 (0.02384, 0.05149) |
| Riau     | Diabetes mellitus                             | 35  | 20.0 (13.5, 28.6)  | 0.0000825 (0.0000555, 0.0001180) | 0.03328 (0.02387, 0.04380)  | 18.1 (11.4, 27.4) | 0.0000818 (0.0000514, 0.0001233) | 0.04396 (0.03151, 0.06157) |
| Riau     | Chronic kidney disease                        | 35  | 25.9 (17.9, 36.3)  | 0.000107 (0.0000738, 0.0001498)  | 0.04312 (0.03106, 0.05782)  | 18.3 (10.7, 29.5) | 0.0000824 (0.0000483, 0.0001330) | 0.04426 (0.02802, 0.06561) |
| Riau     | Cirrhosis                                     | 35  | 35.2 (23.7, 51.8)  | 0.0001452 (0.0000978, 0.0002135) | 0.05846 (0.04209, 0.08009)  | 16.2 (10.2, 24.9) | 0.000073 (0.0000459, 0.0001122)  | 0.03919 (0.02716, 0.05630) |
| Riau     | Chronic respiratory diseases                  | 35  | 21.8 (14.7, 30.8)  | 0.0000898 (0.0000606, 0.0001271) | 0.03622 (0.02593, 0.04884)  | 12.0 (7.8, 18.2)  | 0.0000541 (0.0000351, 0.0000820) | 0.02905 (0.02047, 0.03913) |
| Riau     | Other non-communicable diseases               | 35  | 52.1 (39.5, 69.3)  | 0.000215 (0.0001631, 0.0002858)  | 0.08667 (0.07071, 0.10465)  | 46.0 (33.0, 65.3) | 0.0002074 (0.0001486, 0.0002944) | 0.11136 (0.08986, 0.13449) |
| Riau     | Drowning                                      | 35  | 8.3 (4.1, 15.0)    | 0.0000341 (0.0000171, 0.0000618) | 0.01374 (0.00739, 0.02339)  | 2.6 (1.2, 4.9)    | 0.0000118 (0.0000056, 0.0000220) | 0.00633 (0.00327, 0.01104) |
| Riau     | Falls                                         | 35  | 10.0 (5.1, 17.1)   | 0.0000411 (0.0000210, 0.0000731) | 0.0166 (0.00857, 0.02920)   | 4.0 (2.0, 7.4)    | 0.0000182 (0.0000089, 0.0000334) | 0.0098 (0.00497, 0.01739)  |
| Riau     | Interpersonal violence                        | 35  | 5.3 (2.8, 9.1)     | 0.0000218 (0.0000116, 0.0000377) | 0.00877 (0.00484, 0.01448)  | 3.0 (1.4, 5.5)    | 0.0000135 (0.0000063, 0.0000247) | 0.00723 (0.00368, 0.01247) |
| Riau     | Self-harm                                     | 35  | 3.0 (1.3, 5.7)     | 0.0000125 (0.0000054, 0.0000237) | 0.00504 (0.00227, 0.00914)  | 1.4 (0.6, 2.8)    | 0.0000063 (0.0000025, 0.0000125) | 0.00341 (0.00148, 0.00627) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females             |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Transport injuries                            | 35  | 62.8 (45.0, 84.6)    | 0.0002592 (0.0001855, 0.0003491) | 0.10449 (0.07947, 0.13041)  | 18.7 (11.8, 28.1)   | 0.0000843 (0.0000533, 0.0001266) | 0.0453 (0.03206, 0.06116)  |
| Riau     | Other unintentional injuries                  | 35  | 26.3 (16.7, 40.2)    | 0.0001087 (0.0000688, 0.0001658) | 0.04376 (0.02917, 0.06194)  | 9.3 (5.4, 15.0)     | 0.0000418 (0.0000243, 0.0000674) | 0.02243 (0.01399, 0.03279) |
| Riau     | Diarrheal diseases                            | 40  | 11.1 (6.4, 17.2)     | 0.0000558 (0.0000325, 0.0000867) | 0.01557 (0.00964, 0.02324)  | 10.9 (6.5, 17.1)    | 0.0000625 (0.0000373, 0.0000979) | 0.0227 (0.01464, 0.03276)  |
| Riau     | HIV/AIDS                                      | 40  | 3.7 (1.1, 7.5)       | 0.0000185 (0.0000056, 0.0000380) | 0.00516 (0.00176, 0.01012)  | 2.5 (0.8, 5.2)      | 0.0000144 (0.0000048, 0.0000299) | 0.00524 (0.00169, 0.01063) |
| Riau     | Lower respiratory infections                  | 40  | 6.8 (3.9, 10.9)      | 0.0000342 (0.0000195, 0.0000549) | 0.00953 (0.00577, 0.01476)  | 4.3 (2.4, 6.9)      | 0.0000245 (0.0000136, 0.0000396) | 0.0089 (0.00514, 0.01383)  |
| Riau     | Malaria                                       | 40  | 1.8 (0.4, 5.4)       | 0.0000093 (0.0000018, 0.0000274) | 0.00258 (0.00051, 0.00752)  | 1.0 (0.2, 3.0)      | 0.0000058 (0.0000011, 0.0000172) | 0.00211 (0.00043, 0.00604) |
| Riau     | Tuberculosis                                  | 40  | 53.5 (39.4, 71.9)    | 0.0002701 (0.0001988, 0.0003631) | 0.0753 (0.05909, 0.09293)   | 25.1 (17.1, 35.7)   | 0.000144 (0.0000981, 0.0002049)  | 0.05235 (0.03949, 0.06772) |
| Riau     | Maternal disorders                            | 40  |                      |                                  |                             | 3.1 (1.7, 5.2)      | 0.000018 (0.0000096, 0.0000299)  | 0.00654 (0.00381, 0.01031) |
| Riau     | Other communicable diseases                   | 40  | 25.6 (17.4, 36.9)    | 0.0001291 (0.0000880, 0.0001861) | 0.03598 (0.02533, 0.04766)  | 18.6 (11.6, 27.4)   | 0.0001067 (0.0000668, 0.0001572) | 0.03873 (0.02718, 0.05208) |
| Riau     | Tracheal, bronchus, and lung cancer           | 40  | 12.7 (6.2, 22.2)     | 0.0000639 (0.0000311, 0.0001122) | 0.01781 (0.00903, 0.03112)  | 5.6 (2.7, 10.1)     | 0.0000323 (0.0000157, 0.0000582) | 0.01175 (0.00591, 0.02040) |
| Riau     | Breast cancer                                 | 40  | 0.6 (0.1, 1.6)       | 0.0000029 (0.0000007, 0.0000080) | 0.00081 (0.00021, 0.00226)  | 40.5 (25.3, 62.3)   | 0.0002324 (0.0001453, 0.0003574) | 0.08443 (0.05550, 0.11435) |
| Riau     | Cervical cancer                               | 40  |                      |                                  |                             | 18.6 (8.4, 34.3)    | 0.0001068 (0.0000480, 0.0001968) | 0.03882 (0.01811, 0.06685) |
| Riau     | Other malignant neoplasms                     | 40  | 55.0 (39.5, 76.4)    | 0.0002778 (0.0001991, 0.0003857) | 0.07743 (0.05945, 0.09831)  | 26.7 (16.0, 41.1)   | 0.0001535 (0.0000919, 0.0002360) | 0.05576 (0.03577, 0.08026) |
| Riau     | Cerebrovascular disease                       | 40  | 101.2 (78.0, 130.4)  | 0.000511 (0.0003938, 0.0006584)  | 0.14237 (0.12064, 0.16599)  | 82.5 (60.5, 112.2)  | 0.0004736 (0.0003472, 0.0006442) | 0.17202 (0.14362, 0.20345) |
| Riau     | Ischemic heart disease                        | 40  | 131.2 (102.3, 165.6) | 0.0006621 (0.0005166, 0.0008360) | 0.18454 (0.15727, 0.21190)  | 55.8 (39.2, 78.5)   | 0.0003204 (0.0002251, 0.0004508) | 0.11637 (0.09041, 0.14199) |
| Riau     | Other cardiovascular and circulatory diseases | 40  | 19.6 (12.4, 30.3)    | 0.0000987 (0.0000626, 0.0001527) | 0.02746 (0.01811, 0.03943)  | 19.0 (11.9, 28.9)   | 0.0001092 (0.0000680, 0.0001660) | 0.03969 (0.02657, 0.05668) |
| Riau     | Diabetes mellitus                             | 40  | 41.6 (29.0, 56.8)    | 0.0002098 (0.0001462, 0.0002867) | 0.05852 (0.04355, 0.07527)  | 34.3 (22.2, 49.9)   | 0.0001972 (0.0001277, 0.0002867) | 0.07167 (0.05173, 0.09683) |
| Riau     | Chronic kidney disease                        | 40  | 33.1 (23.0, 46.5)    | 0.0001673 (0.0001161, 0.0002346) | 0.0466 (0.03393, 0.06185)   | 20.8 (12.3, 32.6)   | 0.0001194 (0.0000707, 0.0001871) | 0.04336 (0.02778, 0.06370) |
| Riau     | Cirrhosis                                     | 40  | 42.9 (29.2, 61.7)    | 0.0002164 (0.0001473, 0.0003112) | 0.06023 (0.04348, 0.08089)  | 19.3 (12.2, 29.3)   | 0.0001106 (0.0000703, 0.0001683) | 0.04018 (0.02808, 0.05646) |
| Riau     | Chronic respiratory diseases                  | 40  | 24.4 (16.4, 34.9)    | 0.0001232 (0.0000830, 0.0001759) | 0.03435 (0.02471, 0.04559)  | 12.8 (8.4, 18.9)    | 0.0000737 (0.0000484, 0.0001083) | 0.02679 (0.01909, 0.03602) |
| Riau     | Other non-communicable diseases               | 40  | 55.7 (41.0, 75.3)    | 0.0002814 (0.0002072, 0.0003802) | 0.07842 (0.06444, 0.09568)  | 47.1 (33.8, 66.2)   | 0.0002706 (0.0001938, 0.0003800) | 0.09832 (0.07896, 0.12006) |
| Riau     | Drowning                                      | 40  | 4.2 (1.9, 8.1)       | 0.0000213 (0.0000094, 0.0000407) | 0.00594 (0.00286, 0.01120)  | 1.6 (0.7, 3.1)      | 0.000009 (0.0000040, 0.0000179)  | 0.00328 (0.00156, 0.00632) |
| Riau     | Falls                                         | 40  | 8.5 (4.5, 15.0)      | 0.0000429 (0.0000227, 0.0000757) | 0.01196 (0.00632, 0.02054)  | 3.8 (1.8, 6.9)      | 0.0000217 (0.0000105, 0.0000394) | 0.0079 (0.00408, 0.01336)  |
| Riau     | Interpersonal violence                        | 40  | 4.2 (2.2, 7.3)       | 0.000021 (0.0000110, 0.0000370)  | 0.00584 (0.00314, 0.00980)  | 2.1 (1.0, 3.9)      | 0.0000119 (0.0000055, 0.0000224) | 0.00432 (0.00215, 0.00763) |
| Riau     | Self-harm                                     | 40  | 2.7 (1.2, 5.2)       | 0.0000137 (0.0000060, 0.0000263) | 0.00383 (0.00171, 0.00695)  | 1.1 (0.4, 2.1)      | 0.0000062 (0.0000025, 0.0000120) | 0.00225 (0.00099, 0.00417) |
| Riau     | Transport injuries                            | 40  | 49.9 (35.1, 69.7)    | 0.0002521 (0.0001772, 0.0003517) | 0.07025 (0.05281, 0.09030)  | 15.1 (9.7, 22.4)    | 0.000087 (0.0000556, 0.0001285)  | 0.03158 (0.02239, 0.04375) |
| Riau     | Other unintentional injuries                  | 40  | 21.0 (12.6, 31.9)    | 0.0001061 (0.0000635, 0.0001611) | 0.02953 (0.01913, 0.04257)  | 7.2 (4.2, 11.4)     | 0.0000412 (0.0000241, 0.0000656) | 0.01495 (0.00922, 0.02187) |
| Riau     | Diarrheal diseases                            | 45  | 10.6 (6.1, 17.0)     | 0.000069 (0.0000399, 0.0001104)  | 0.01377 (0.00858, 0.02051)  | 12.5 (7.4, 18.8)    | 0.0000922 (0.0000548, 0.0001386) | 0.02084 (0.01367, 0.02987) |
| Riau     | HIV/AIDS                                      | 45  | 1.8 (0.5, 3.8)       | 0.0000116 (0.0000035, 0.0000245) | 0.00231 (0.00075, 0.00470)  | 1.5 (0.5, 3.2)      | 0.000011 (0.0000034, 0.0000233)  | 0.00248 (0.00079, 0.00511) |
| Riau     | Lower respiratory infections                  | 45  | 7.6 (4.3, 11.9)      | 0.0000498 (0.0000279, 0.0000778) | 0.00594 (0.00596, 0.01485)  | 6.2 (3.6, 9.8)      | 0.0000453 (0.0000262, 0.0000719) | 0.01025 (0.00609, 0.01531) |
| Riau     | Malaria                                       | 45  | 1.5 (0.3, 4.3)       | 0.0000097 (0.0000020, 0.0000282) | 0.00194 (0.00039, 0.00558)  | 0.9 (0.2, 2.7)      | 0.0000069 (0.0000014, 0.0000197) | 0.00156 (0.00032, 0.00445) |
| Riau     | Tuberculosis                                  | 45  | 52.3 (37.9, 71.4)    | 0.0003405 (0.0002470, 0.0004648) | 0.06802 (0.05399, 0.08429)  | 29.6 (20.7, 40.0)   | 0.0002175 (0.0001521, 0.0002945) | 0.04918 (0.03746, 0.06310) |
| Riau     | Maternal disorders                            | 45  |                      |                                  |                             | 1.4 (0.7, 2.7)      | 0.0000106 (0.0000048, 0.0000198) | 0.00238 (0.00113, 0.00412) |
| Riau     | Other communicable diseases                   | 45  | 21.2 (14.1, 31.0)    | 0.0001379 (0.0000919, 0.0002017) | 0.02753 (0.01944, 0.03658)  | 18.8 (12.1, 26.8)   | 0.0001385 (0.0000890, 0.0001970) | 0.03127 (0.02219, 0.04190) |
| Riau     | Tracheal, bronchus, and lung cancer           | 45  | 16.1 (8.4, 27.8)     | 0.0001046 (0.0000545, 0.0001811) | 0.0209 (0.01125, 0.03511)   | 7.2 (3.6, 12.5)     | 0.0000532 (0.0000267, 0.0000922) | 0.01202 (0.00624, 0.02025) |
| Riau     | Breast cancer                                 | 45  | 0.7 (0.2, 1.8)       | 0.0000048 (0.0000015, 0.0000118) | 0.00096 (0.00032, 0.00219)  | 41.8 (26.4, 62.9)   | 0.0003077 (0.0001941, 0.0004629) | 0.06951 (0.04719, 0.09397) |
| Riau     | Cervical cancer                               | 45  |                      |                                  |                             | 20.4 (9.5, 35.3)    | 0.0001501 (0.0000695, 0.0002599) | 0.03392 (0.01656, 0.05716) |
| Riau     | Other malignant neoplasms                     | 45  | 51.0 (35.4, 71.4)    | 0.0003318 (0.0002301, 0.0004649) | 0.06627 (0.05071, 0.08460)  | 26.4 (15.9, 40.0)   | 0.0001945 (0.0001167, 0.0002943) | 0.04397 (0.02815, 0.06343) |
| Riau     | Cerebrovascular disease                       | 45  | 131.3 (100.4, 172.2) | 0.0008542 (0.0006532, 0.0011208) | 0.17057 (0.14653, 0.19633)  | 125.2 (93.8, 164.7) | 0.0009212 (0.0006901, 0.0012116) | 0.20824 (0.17818, 0.23915) |
| Riau     | Ischemic heart disease                        | 45  | 148.9 (113.4, 192.6) | 0.0009689 (0.0007380, 0.0012532) | 0.19351 (0.16695, 0.22070)  | 75.4 (54.2, 103.4)  | 0.0005551 (0.0003991, 0.0007609) | 0.12549 (0.09909, 0.15273) |
| Riau     | Other cardiovascular and circulatory diseases | 45  | 23.4 (14.6, 35.7)    | 0.0001522 (0.0000951, 0.0002324) | 0.03036 (0.02068, 0.04302)  | 25.9 (16.6, 38.5)   | 0.0001903 (0.0001223, 0.0002830) | 0.04302 (0.02896, 0.06136) |
| Riau     | Diabetes mellitus                             | 45  | 62.3 (43.5, 86.3)    | 0.0004052 (0.0002832, 0.0005615) | 0.08097 (0.06188, 0.10257)  | 58.8 (39.7, 82.3)   | 0.0004326 (0.0002919, 0.0006058) | 0.09783 (0.07292, 0.12946) |
| Riau     | Chronic kidney disease                        | 45  | 33.3 (22.5, 47.8)    | 0.0002167 (0.0001467, 0.0003112) | 0.04326 (0.03095, 0.05740)  | 23.7 (14.1, 36.6)   | 0.0001746 (0.0001041, 0.0002690) | 0.03947 (0.02488, 0.05767) |
| Riau     | Cirrhosis                                     | 45  | 41.8 (28.3, 61.5)    | 0.0002723 (0.0001840, 0.0004004) | 0.05432 (0.03920, 0.07405)  | 22.2 (14.4, 32.8)   | 0.0001636 (0.0001063, 0.0002413) | 0.03698 (0.02579, 0.05225) |
| Riau     | Chronic respiratory diseases                  | 45  | 29.6 (19.4, 43.1)    | 0.0001927 (0.0001261, 0.0002808) | 0.03847 (0.02780, 0.05109)  | 17.9 (12.2, 25.5)   | 0.0001317 (0.0000894, 0.0001876) | 0.02979 (0.02194, 0.03915) |
| Riau     | Other non-communicable diseases               | 45  | 52.0 (37.6, 71.2)    | 0.0003385 (0.0002444, 0.0004636) | 0.0676 (0.05503, 0.08266)   | 51.0 (37.0, 69.4)   | 0.0003755 (0.0002719, 0.0005106) | 0.08485 (0.06775, 0.10522) |
| Riau     | Drowning                                      | 45  | 2.8 (1.2, 5.5)       | 0.0000181 (0.0000079, 0.0000360) | 0.00361 (0.00167, 0.00689)  | 1.3 (0.6, 2.5)      | 0.0000098 (0.0000042, 0.0000186) | 0.00221 (0.00101, 0.00409) |
| Riau     | Falls                                         | 45  | 9.1 (4.6, 15.8)      | 0.0000592 (0.0000298, 0.0001030) | 0.01184 (0.00618, 0.02004)  | 5.1 (2.5, 9.0)      | 0.0000372 (0.0000185, 0.0000662) | 0.00839 (0.00440, 0.01434) |
| Riau     | Interpersonal violence                        | 45  | 3.3 (1.7, 5.8)       | 0.0000215 (0.0000109, 0.0000380) | 0.00429 (0.00226, 0.00731)  | 1.9 (0.9, 3.7)      | 0.0000137 (0.0000065, 0.0000269) | 0.0031 (0.00152, 0.00581)  |
| Riau     | Self-harm                                     | 45  | 2.5 (1.1, 4.9)       | 0.000016 (0.0000069, 0.0000319)  | 0.00318 (0.00143, 0.00594)  | 1.1 (0.4, 2.1)      | 0.0000079 (0.0000033, 0.0000156) | 0.00179 (0.00078, 0.00342) |
| Riau     | Transport injuries                            | 45  | 47.9 (33.1, 67.7)    | 0.0003118 (0.0002152, 0.0004405) | 0.06223 (0.04643, 0.08089)  | 17.5 (11.4, 25.5)   | 0.0001285 (0.0000839, 0.0001876) | 0.02905 (0.02035, 0.03980) |
| Riau     | Other unintentional injuries                  | 45  | 18.6 (11.3, 29.2)    | 0.0001209 (0.0000734, 0.0001903) | 0.02413 (0.01530, 0.03606)  | 7.5 (4.3, 11.9)     | 0.0000549 (0.0000315, 0.0000877) | 0.01239 (0.00772, 0.01872) |
| Riau     | Diarrheal diseases                            | 50  | 14.0 (8.5, 21.5)     | 0.0001224 (0.0000747, 0.0001886) | 0.01606 (0.01059, 0.02303)  | 15.9 (10.0, 23.5)   | 0.0001565 (0.0000982, 0.0002315) | 0.02349 (0.01620, 0.03223) |
| Riau     | HIV/AIDS                                      | 50  | 0.7 (0.2, 1.7)       | 0.0000063 (0.0000019, 0.0000146) | 0.00083 (0.000026, 0.00186) | 0.6 (0.2, 1.5)      | 0.0000062 (0.0000017, 0.0000147) | 0.00092 (0.00027, 0.00208) |
| Riau     | Lower respiratory infections                  | 50  | 9.8 (5.4, 15.4)      | 0.0000854 (0.0000473, 0.0001346) | 0.01122 (0.00678, 0.01669)  | 8.0 (4.7, 12.6)     | 0.0000785 (0.0000463, 0.0001240) | 0.0118 (0.00721, 0.01745)  |
| Riau     | Malaria                                       | 50  | 1.5 (0.3, 4.4)       | 0.0000127 (0.0000024, 0.0000386) | 0.00167 (0.00033, 0.00474)  | 0.9 (0.2, 2.6)      | 0.0000086 (0.0000015, 0.0000261) | 0.00128 (0.00024, 0.00372) |
| Riau     | Tuberculosis                                  | 50  | 55.3 (39.7, 79.5)    | 0.0004842 (0.0003478, 0.0006963) | 0.06356 (0.04943, 0.07809)  | 31.0 (21.8, 42.5)   | 0.0003058 (0.0002154, 0.0004200) | 0.04594 (0.03515, 0.05816) |
| Riau     | Maternal disorders                            | 50  |                      |                                  |                             | 0.6 (0.2, 1.5)      | 0.0000061 (0.0000019, 0.0000151) | 0.00091 (0.00031, 0.00225) |
| Riau     | Other communicable diseases                   | 50  | 21.5 (14.0, 32.0)    | 0.0001881 (0.0001226, 0.0002799) | 0.0247 (0.01709, 0.03374)   | 18.4 (11.8, 26.8)   | 0.0001813 (0.0001167, 0.0002642) | 0.02719 (0.01885, 0.03714) |
| Riau     | Tracheal, bronchus, and lung cancer           | 50  | 23.4 (12.7, 39.3)    | 0.0002047 (0.0001109, 0.0003440) | 0.02688 (0.01552, 0.04277)  | 7.7 (3.9, 13.4)     | 0.0000756 (0.0000385, 0.0001320) | 0.01136 (0.00589, 0.01938) |
| Riau     | Breast cancer                                 | 50  | 0.7 (0.3, 1.5)       | 0.0000059 (0.0000023, 0.0000131) | 0.00078 (0.00031, 0.00164)  | 34.0 (21.0, 52.2)   | 0.0003358 (0.0002074, 0.0005157) | 0.05041 (0.03210, 0.07068) |
| Riau     | Cervical cancer                               | 50  |                      |                                  |                             | 19.0 (8.7, 34.0)    | 0.0001876 (0.0000858, 0.0003354) | 0.02816 (0.01325, 0.04786) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Other malignant neoplasms                     | 50  | 41.2 (28.0, 59.0)    | 0.0003609 (0.0002450, 0.0005165) | 0.04738 (0.03556, 0.06125) | 25.1 (15.3, 38.4)    | 0.0002473 (0.0001508, 0.0003794) | 0.03715 (0.02412, 0.05364) |
| Riau     | Cerebrovascular disease                       | 50  | 173.4 (131.7, 230.9) | 0.0015183 (0.0011533, 0.0020225) | 0.1993 (0.17336, 0.22523)  | 163.9 (124.9, 212.3) | 0.0016174 (0.0012330, 0.0020959) | 0.24293 (0.20992, 0.27670) |
| Riau     | Ischemic heart disease                        | 50  | 180.1 (136.2, 241.5) | 0.0015772 (0.0011926, 0.0021151) | 0.20706 (0.18062, 0.23523) | 88.3 (63.9, 120.5)   | 0.0008718 (0.0006303, 0.0011898) | 0.13091 (0.10401, 0.15945) |
| Riau     | Other cardiovascular and circulatory diseases | 50  | 29.7 (18.2, 45.2)    | 0.0002599 (0.0001598, 0.0003955) | 0.03407 (0.02320, 0.04715) | 33.1 (21.3, 48.4)    | 0.0003267 (0.0002106, 0.0004778) | 0.04908 (0.03313, 0.06831) |
| Riau     | Diabetes mellitus                             | 50  | 81.3 (55.8, 112.4)   | 0.0007119 (0.0004889, 0.0009839) | 0.09351 (0.07243, 0.11701) | 76.5 (52.3, 105.5)   | 0.0007555 (0.0005158, 0.0010417) | 0.11352 (0.08524, 0.14670) |
| Riau     | Chronic kidney disease                        | 50  | 34.2 (22.6, 50.1)    | 0.0002998 (0.0001977, 0.0004387) | 0.03935 (0.02818, 0.05228) | 24.3 (14.7, 38.6)    | 0.0002403 (0.0001452, 0.0003815) | 0.03609 (0.02259, 0.05323) |
| Riau     | Cirrhosis                                     | 50  | 43.7 (28.6, 65.8)    | 0.0003825 (0.0002502, 0.0005764) | 0.05013 (0.03599, 0.06894) | 23.3 (14.9, 34.8)    | 0.0002301 (0.0001475, 0.0003440) | 0.03456 (0.02394, 0.04924) |
| Riau     | Chronic respiratory diseases                  | 50  | 35.7 (24.0, 51.4)    | 0.0003125 (0.0002103, 0.0004497) | 0.04102 (0.02974, 0.05361) | 23.5 (16.2, 33.0)    | 0.0002317 (0.0001597, 0.0003262) | 0.03482 (0.02582, 0.04504) |
| Riau     | Other non-communicable diseases               | 50  | 53.7 (38.0, 76.4)    | 0.0004701 (0.0003327, 0.0006687) | 0.06171 (0.04956, 0.07518) | 52.8 (38.3, 71.3)    | 0.000521 (0.0003784, 0.0007042)  | 0.07824 (0.06198, 0.09737) |
| Riau     | Drowning                                      | 50  | 2.1 (0.9, 4.0)       | 0.0000182 (0.0000076, 0.0000351) | 0.00238 (0.00109, 0.00443) | 1.0 (0.4, 1.9)       | 0.0000096 (0.0000042, 0.0000188) | 0.00144 (0.00066, 0.00278) |
| Riau     | Falls                                         | 50  | 10.5 (5.4, 18.0)     | 0.0000918 (0.0000473, 0.0001580) | 0.01206 (0.00636, 0.02057) | 5.6 (2.9, 9.8)       | 0.0000556 (0.0000289, 0.0000969) | 0.00834 (0.00449, 0.01428) |
| Riau     | Interpersonal violence                        | 50  | 2.5 (1.2, 4.7)       | 0.0000222 (0.0000108, 0.0000410) | 0.0029 (0.00153, 0.00501)  | 1.4 (0.6, 2.6)       | 0.0000134 (0.0000061, 0.0000253) | 0.00201 (0.00096, 0.00374) |
| Riau     | Self-harm                                     | 50  | 2.1 (0.9, 4.1)       | 0.0000181 (0.0000079, 0.0000363) | 0.00237 (0.00108, 0.00449) | 0.9 (0.3, 1.7)       | 0.0000085 (0.0000034, 0.0000165) | 0.00127 (0.00055, 0.00238) |
| Riau     | Transport injuries                            | 50  | 38.0 (25.4, 57.1)    | 0.0003325 (0.0002223, 0.0004998) | 0.04361 (0.03177, 0.05884) | 13.2 (8.6, 20.0)     | 0.0001303 (0.0000845, 0.0001974) | 0.01956 (0.01360, 0.02752) |
| Riau     | Other unintentional injuries                  | 50  | 15.2 (8.9, 25.3)     | 0.000133 (0.0000776, 0.0002218)  | 0.01744 (0.01089, 0.02616) | 5.8 (3.3, 9.6)       | 0.0000574 (0.0000325, 0.0000951) | 0.00861 (0.00510, 0.01342) |
| Riau     | Diarrheal diseases                            | 55  | 15.1 (9.2, 23.3)     | 0.0001893 (0.0001150, 0.0002914) | 0.01685 (0.01144, 0.02385) | 10.3 (8.9, 21.6)     | 0.0002405 (0.0001538, 0.0003405) | 0.02389 (0.01672, 0.03205) |
| Riau     | HIV/AIDS                                      | 55  | 0.3 (0.1, 0.7)       | 0.0000037 (0.0000009, 0.0000085) | 0.00033 (0.00009, 0.00077) | 0.2 (0.1, 0.6)       | 0.0000037 (0.0000009, 0.0000089) | 0.00036 (0.00010, 0.00086) |
| Riau     | Lower respiratory infections                  | 55  | 10.1 (5.8, 16.1)     | 0.0001263 (0.0000731, 0.0002016) | 0.01124 (0.00695, 0.01686) | 7.5 (4.5, 11.7)      | 0.0001178 (0.0000705, 0.0001844) | 0.01171 (0.00726, 0.01707) |
| Riau     | Malaria                                       | 55  | 1.4 (0.3, 4.2)       | 0.0000176 (0.0000034, 0.0000523) | 0.00156 (0.00032, 0.00455) | 0.7 (0.1, 2.2)       | 0.0000118 (0.0000022, 0.0000345) | 0.00117 (0.00022, 0.00352) |
| Riau     | Tuberculosis                                  | 55  | 47.9 (33.3, 69.5)    | 0.0005988 (0.0004158, 0.0008688) | 0.05331 (0.04139, 0.06650) | 24.5 (16.7, 33.5)    | 0.0003856 (0.0002633, 0.0005273) | 0.03833 (0.02893, 0.04882) |
| Riau     | Other communicable diseases                   | 55  | 20.5 (13.2, 31.5)    | 0.0002568 (0.0001649, 0.0003935) | 0.02286 (0.01576, 0.03161) | 15.6 (10.0, 22.9)    | 0.0002459 (0.0001568, 0.0003604) | 0.0244 (0.01661, 0.03398)  |
| Riau     | Tracheal, bronchus, and lung cancer           | 55  | 22.8 (12.5, 38.6)    | 0.000285 (0.0001565, 0.0004822)  | 0.02538 (0.01466, 0.03951) | 6.0 (3.0, 10.4)      | 0.0000942 (0.0000466, 0.0001637) | 0.00936 (0.00484, 0.01543) |
| Riau     | Breast cancer                                 | 55  | 0.6 (0.3, 1.3)       | 0.0000079 (0.0000032, 0.0000165) | 0.00071 (0.00029, 0.00144) | 23.5 (14.5, 36.1)    | 0.0003708 (0.0002286, 0.0005686) | 0.03681 (0.02330, 0.05179) |
| Riau     | Cervical cancer                               | 55  |                      |                                  |                            | 12.7 (5.7, 21.8)     | 0.0002004 (0.0000905, 0.0003434) | 0.01991 (0.00899, 0.03375) |
| Riau     | Other malignant neoplasms                     | 55  | 32.4 (21.6, 47.8)    | 0.0004047 (0.0002704, 0.0005981) | 0.03602 (0.02705, 0.04760) | 20.0 (11.9, 30.4)    | 0.0003149 (0.0001867, 0.0004795) | 0.03128 (0.02019, 0.04589) |
| Riau     | Cerebrovascular disease                       | 55  | 202.9 (151.9, 274.4) | 0.0025363 (0.0018986, 0.0034310) | 0.22571 (0.19843, 0.25625) | 175.6 (135.8, 224.5) | 0.0027665 (0.0021397, 0.0035359) | 0.27484 (0.24142, 0.31150) |
| Riau     | Ischemic heart disease                        | 55  | 200.1 (149.6, 270.3) | 0.0025021 (0.0018700, 0.0033798) | 0.22281 (0.19454, 0.25155) | 92.3 (68.2, 122.8)   | 0.0014543 (0.0010751, 0.0019339) | 0.14448 (0.11533, 0.17439) |
| Riau     | Other cardiovascular and circulatory diseases | 55  | 33.8 (20.9, 52.0)    | 0.0004228 (0.0002609, 0.0006498) | 0.03759 (0.02575, 0.05235) | 34.4 (22.3, 50.8)    | 0.0005422 (0.0003506, 0.0008005) | 0.05386 (0.03688, 0.07438) |
| Riau     | Diabetes mellitus                             | 55  | 87.1 (59.6, 121.4)   | 0.0010888 (0.0007450, 0.0015177) | 0.09698 (0.07522, 0.12020) | 75.5 (51.5, 102.3)   | 0.0011893 (0.0008119, 0.0016121) | 0.11816 (0.08874, 0.15152) |
| Riau     | Chronic kidney disease                        | 55  | 33.2 (21.9, 49.0)    | 0.0004157 (0.0002732, 0.0006120) | 0.037 (0.02667, 0.04883)   | 21.8 (13.1, 33.7)    | 0.0003432 (0.0002056, 0.0005310) | 0.0341 (0.02113, 0.05035)  |
| Riau     | Cirrhosis                                     | 55  | 40.1 (26.2, 61.9)    | 0.0005011 (0.0003275, 0.0007735) | 0.04455 (0.03179, 0.06077) | 19.6 (12.8, 28.8)    | 0.0003093 (0.0002011, 0.0004531) | 0.03073 (0.02110, 0.04332) |
| Riau     | Chronic respiratory diseases                  | 55  | 39.1 (26.0, 57.3)    | 0.0004883 (0.0003250, 0.0007160) | 0.04347 (0.03199, 0.05626) | 23.5 (16.6, 32.6)    | 0.0003703 (0.0002621, 0.0005137) | 0.0368 (0.02742, 0.04683)  |
| Riau     | Other non-communicable diseases               | 55  | 56.1 (39.0, 80.1)    | 0.0007012 (0.0004872, 0.0010011) | 0.06241 (0.04964, 0.07626) | 50.5 (37.0, 67.4)    | 0.0007962 (0.0005825, 0.0010618) | 0.07907 (0.06054, 0.09656) |
| Riau     | Drowning                                      | 55  | 1.6 (0.6, 3.3)       | 0.0000198 (0.0000080, 0.0000410) | 0.00176 (0.00075, 0.00339) | 0.6 (0.3, 1.3)       | 0.0000102 (0.0000040, 0.0000199) | 0.00101 (0.00042, 0.00198) |
| Riau     | Falls                                         | 55  | 11.6 (6.0, 20.3)     | 0.0001444 (0.0000745, 0.0002538) | 0.01287 (0.00695, 0.02177) | 5.4 (2.9, 9.3)       | 0.0000856 (0.0000462, 0.0001464) | 0.0085 (0.00477, 0.01408)  |
| Riau     | Interpersonal violence                        | 55  | 1.9 (0.9, 3.8)       | 0.0000243 (0.0000113, 0.0000472) | 0.00216 (0.00108, 0.00373) | 0.9 (0.4, 1.8)       | 0.0000144 (0.0000064, 0.0000281) | 0.00144 (0.00066, 0.00270) |
| Riau     | Self-harm                                     | 55  | 1.8 (0.8, 3.6)       | 0.0000225 (0.0000098, 0.0000445) | 0.002 (0.00088, 0.00381)   | 0.7 (0.3, 1.3)       | 0.0000104 (0.0000043, 0.0000201) | 0.00103 (0.00043, 0.00197) |
| Riau     | Transport injuries                            | 55  | 25.7 (16.4, 39.0)    | 0.0003218 (0.0002054, 0.0004875) | 0.02865 (0.02004, 0.03972) | 7.8 (4.9, 12.0)      | 0.0001231 (0.0000779, 0.0001885) | 0.01223 (0.00819, 0.01741) |
| Riau     | Other unintentional injuries                  | 55  | 12.4 (6.9, 20.5)     | 0.0001551 (0.0000859, 0.0002564) | 0.01379 (0.00823, 0.02073) | 4.2 (2.4, 6.8)       | 0.0000658 (0.0000373, 0.0001066) | 0.00653 (0.00382, 0.01014) |
| Riau     | Diarrheal diseases                            | 60  | 15.7 (9.9, 24.4)     | 0.0003411 (0.0002152, 0.0005310) | 0.01812 (0.01253, 0.02556) | 17.5 (11.8, 24.9)    | 0.0004091 (0.0002756, 0.0005819) | 0.02596 (0.01851, 0.03529) |
| Riau     | HIV/AIDS                                      | 60  | 0.2 (0.0, 0.5)       | 0.0000042 (0.0000009, 0.0000100) | 0.00022 (0.00005, 0.00053) | 0.2 (0.0, 0.4)       | 0.000004 (0.0000009, 0.0000096)  | 0.00025 (0.00006, 0.00061) |
| Riau     | Lower respiratory infections                  | 60  | 12.4 (7.0, 19.9)     | 0.0002706 (0.0001524, 0.0004329) | 0.01438 (0.00900, 0.02120) | 11.2 (6.9, 17.0)     | 0.0002608 (0.0001606, 0.0003967) | 0.01656 (0.01040, 0.02398) |
| Riau     | Malaria                                       | 60  | 1.4 (0.3, 4.0)       | 0.0000305 (0.0000057, 0.0000874) | 0.00161 (0.00032, 0.00430) | 0.7 (0.1, 2.1)       | 0.0000174 (0.0000031, 0.0000487) | 0.00111 (0.00019, 0.00303) |
| Riau     | Tuberculosis                                  | 60  | 52.7 (37.1, 75.3)    | 0.0011477 (0.0008079, 0.0016381) | 0.06101 (0.04782, 0.07515) | 29.9 (21.5, 39.2)    | 0.0006965 (0.0005010, 0.0009145) | 0.04422 (0.03316, 0.05628) |
| Riau     | Other communicable diseases                   | 60  | 15.0 (9.3, 24.3)     | 0.0003275 (0.0002014, 0.0005298) | 0.01741 (0.01146, 0.02473) | 13.1 (8.2, 19.1)     | 0.0003052 (0.0001917, 0.0004446) | 0.01936 (0.01256, 0.02768) |
| Riau     | Tracheal, bronchus, and lung cancer           | 60  | 23.2 (12.4, 38.4)    | 0.0005052 (0.0002697, 0.0008349) | 0.02685 (0.01483, 0.04212) | 5.7 (2.8, 9.9)       | 0.000133 (0.0000662, 0.0002317)  | 0.00844 (0.00427, 0.01423) |
| Riau     | Breast cancer                                 | 60  | 0.6 (0.2, 1.2)       | 0.0000122 (0.0000045, 0.0000270) | 0.00065 (0.00024, 0.00140) | 16.7 (9.8, 25.7)     | 0.0003907 (0.0002291, 0.0005988) | 0.02478 (0.01489, 0.03703) |
| Riau     | Cervical cancer                               | 60  |                      |                                  |                            | 10.7 (4.7, 18.9)     | 0.000249 (0.0001088, 0.0004399)  | 0.0158 (0.00729, 0.02697)  |
| Riau     | Other malignant neoplasms                     | 60  | 28.7 (19.3, 42.4)    | 0.0006244 (0.0004191, 0.0009235) | 0.03318 (0.02465, 0.04333) | 19.9 (12.4, 30.0)    | 0.0004635 (0.0002897, 0.0006996) | 0.02942 (0.01920, 0.04180) |
| Riau     | Cerebrovascular disease                       | 60  | 206.8 (157.1, 281.6) | 0.0045011 (0.0034202, 0.0061292) | 0.23908 (0.21097, 0.26937) | 199.2 (159.7, 245.3) | 0.004646 (0.0037244, 0.0057223)  | 0.29487 (0.26043, 0.33017) |
| Riau     | Ischemic heart disease                        | 60  | 184.8 (137.5, 252.4) | 0.0040219 (0.0029924, 0.0054939) | 0.21376 (0.18674, 0.24284) | 97.8 (74.2, 126.2)   | 0.0022813 (0.0017314, 0.0029435) | 0.14479 (0.11545, 0.17507) |
| Riau     | Other cardiovascular and circulatory diseases | 60  | 35.6 (22.2, 54.1)    | 0.0007748 (0.0004836, 0.0011782) | 0.04114 (0.02828, 0.05684) | 37.7 (25.2, 54.2)    | 0.0008805 (0.0005871, 0.0012643) | 0.05589 (0.03896, 0.07751) |
| Riau     | Diabetes mellitus                             | 60  | 73.6 (50.6, 102.8)   | 0.0016029 (0.0011008, 0.0022382) | 0.08524 (0.06551, 0.10612) | 69.4 (48.7, 93.1)    | 0.0016187 (0.0011357, 0.0021716) | 0.10276 (0.07742, 0.13389) |
| Riau     | Chronic kidney disease                        | 60  | 29.2 (19.2, 44.1)    | 0.0006359 (0.0004169, 0.0009599) | 0.03377 (0.02467, 0.04467) | 20.3 (12.1, 30.7)    | 0.0004724 (0.0002826, 0.0007167) | 0.02999 (0.01829, 0.04400) |
| Riau     | Cirrhosis                                     | 60  | 31.9 (20.4, 49.4)    | 0.0006938 (0.0004436, 0.0010747) | 0.0368 (0.02613, 0.05064)  | 17.8 (11.7, 25.8)    | 0.0004142 (0.0002732, 0.0006012) | 0.02629 (0.01815, 0.03720) |
| Riau     | Chronic respiratory diseases                  | 60  | 53.2 (37.0, 76.2)    | 0.0011581 (0.0008055, 0.0016576) | 0.06157 (0.04705, 0.07749) | 33.1 (24.3, 44.0)    | 0.000772 (0.0005675, 0.0010257)  | 0.04902 (0.03772, 0.06189) |
| Riau     | Other non-communicable diseases               | 60  | 59.4 (42.1, 84.8)    | 0.0012921 (0.0009170, 0.0018451) | 0.06865 (0.05567, 0.08329) | 57.8 (43.4, 75.6)    | 0.0013489 (0.0010120, 0.0017629) | 0.08559 (0.06809, 0.10547) |
| Riau     | Drowning                                      | 60  | 1.0 (0.4, 2.1)       | 0.000022 (0.0000081, 0.0000467)  | 0.00116 (0.00047, 0.00238) | 0.5 (0.2, 1.1)       | 0.0000127 (0.0000049, 0.0000262) | 0.0008 (0.00031, 0.00167)  |
| Riau     | Falls                                         | 60  | 8.5 (4.3, 15.0)      | 0.0001845 (0.0000931, 0.0003267) | 0.00981 (0.00521, 0.01683) | 4.9 (2.6, 8.1)       | 0.0001147 (0.0000604, 0.0001898) | 0.00727 (0.00398, 0.01178) |
| Riau     | Interpersonal violence                        | 60  | 1.3 (0.5, 2.5)       | 0.0000273 (0.0000120, 0.0000553) | 0.00145 (0.00068, 0.00273) | 0.6 (0.3, 1.3)       | 0.0000144 (0.0000063, 0.0000294) | 0.00092 (0.00040, 0.00183) |
| Riau     | Self-harm                                     | 60  | 1.3 (0.6, 2.7)       | 0.000029 (0.0000124, 0.0000597)  | 0.00154 (0.00071, 0.00299) | 0.5 (0.2, 1.0)       | 0.0000115 (0.0000046, 0.0000230) | 0.00073 (0.00030, 0.00146) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Transport injuries                            | 60  | 19.1 (11.8, 29.4)    | 0.000416 (0.0002576, 0.0006390)  | 0.0221 (0.01495, 0.03089)  | 6.8 (4.1, 10.1)      | 0.0001593 (0.0000956, 0.0002352) | 0.01011 (0.00645, 0.01440) |
| Riau     | Other unintentional injuries                  | 60  | 9.1 (5.0, 14.8)      | 0.0001976 (0.0001083, 0.0003230) | 0.01049 (0.00623, 0.01600) | 3.4 (1.9, 5.5)       | 0.0000801 (0.0000447, 0.0001278) | 0.00508 (0.00290, 0.00795) |
| Riau     | Diarrheal diseases                            | 65  | 24.3 (15.6, 38.0)    | 0.0007382 (0.0004740, 0.0011563) | 0.02746 (0.01962, 0.03690) | 28.0 (19.9, 38.1)    | 0.0008975 (0.0006369, 0.0012199) | 0.03783 (0.02833, 0.04969) |
| Riau     | HIV/AIDS                                      | 65  | 0.2 (0.0, 0.5)       | 0.0000056 (0.0000014, 0.0000144) | 0.00021 (0.00005, 0.00052) | 0.2 (0.0, 0.4)       | 0.0000054 (0.0000014, 0.0000134) | 0.00023 (0.00006, 0.00056) |
| Riau     | Lower respiratory infections                  | 65  | 14.6 (8.3, 23.5)     | 0.0004427 (0.0002519, 0.0007136) | 0.01647 (0.01035, 0.02371) | 13.7 (8.6, 20.6)     | 0.0004379 (0.0002766, 0.0006599) | 0.01847 (0.01187, 0.02626) |
| Riau     | Malaria                                       | 65  | 1.3 (0.3, 4.2)       | 0.000041 (0.0000079, 0.0001275)  | 0.00152 (0.00032, 0.00431) | 0.7 (0.1, 2.1)       | 0.0000234 (0.0000043, 0.0000662) | 0.00098 (0.00019, 0.00277) |
| Riau     | Tuberculosis                                  | 65  | 55.3 (38.6, 82.5)    | 0.0016823 (0.0011734, 0.0025091) | 0.06259 (0.04836, 0.07865) | 32.3 (22.7, 43.8)    | 0.0010323 (0.0007275, 0.0014019) | 0.04353 (0.03218, 0.05659) |
| Riau     | Other communicable diseases                   | 65  | 13.7 (8.0, 22.0)     | 0.0004173 (0.0002445, 0.0006681) | 0.01553 (0.00988, 0.02223) | 12.4 (7.7, 18.4)     | 0.0003969 (0.0002463, 0.0005900) | 0.01673 (0.01071, 0.02393) |
| Riau     | Tracheal, bronchus, and lung cancer           | 65  | 19.9 (10.0, 35.3)    | 0.0006042 (0.0003031, 0.0010720) | 0.02248 (0.01181, 0.03582) | 4.8 (2.3, 8.4)       | 0.0001522 (0.0000745, 0.0002673) | 0.00642 (0.00317, 0.01091) |
| Riau     | Breast cancer                                 | 65  | 0.5 (0.1, 1.1)       | 0.0000137 (0.0000042, 0.0000320) | 0.00051 (0.00015, 0.00115) | 12.8 (7.4, 20.5)     | 0.000409 (0.0002382, 0.0006568)  | 0.01723 (0.01003, 0.02659) |
| Riau     | Cervical cancer                               | 65  |                      |                                  |                            | 8.1 (3.5, 14.2)      | 0.00026 (0.0001135, 0.0004541)   | 0.01096 (0.00491, 0.01916) |
| Riau     | Other malignant neoplasms                     | 65  | 22.8 (15.1, 34.6)    | 0.0006923 (0.0004597, 0.0010531) | 0.02576 (0.01908, 0.03388) | 20.4 (12.8, 30.0)    | 0.0006513 (0.0004102, 0.0009590) | 0.02745 (0.01841, 0.03880) |
| Riau     | Cerebrovascular disease                       | 65  | 222.6 (168.6, 308.2) | 0.0067656 (0.0051259, 0.0093686) | 0.25164 (0.22314, 0.28320) | 229.4 (186.6, 279.6) | 0.0073403 (0.0059720, 0.0089486) | 0.30946 (0.27417, 0.34614) |
| Riau     | Ischemic heart disease                        | 65  | 186.9 (138.0, 263.3) | 0.005682 (0.0041957, 0.0080042)  | 0.2115 (0.18250, 0.24030)  | 104.9 (79.5, 134.8)  | 0.0033557 (0.0025427, 0.0043130) | 0.14148 (0.11206, 0.17153) |
| Riau     | Other cardiovascular and circulatory diseases | 65  | 40.5 (25.2, 62.9)    | 0.001232 (0.0007658, 0.0019123)  | 0.04582 (0.03167, 0.06266) | 46.0 (31.0, 65.3)    | 0.0014713 (0.0009933, 0.0020899) | 0.06203 (0.04319, 0.08475) |
| Riau     | Diabetes mellitus                             | 65  | 61.1 (41.0, 88.5)    | 0.0018567 (0.0012472, 0.0026901) | 0.06913 (0.05232, 0.08670) | 62.3 (43.2, 84.5)    | 0.0019941 (0.0013821, 0.0027046) | 0.08409 (0.06217, 0.11035) |
| Riau     | Chronic kidney disease                        | 65  | 28.2 (18.6, 43.8)    | 0.0008558 (0.0005645, 0.0013300) | 0.03181 (0.02298, 0.04235) | 21.0 (12.3, 31.7)    | 0.0006712 (0.0003949, 0.0010148) | 0.0283 (0.01703, 0.04201)  |
| Riau     | Cirrhosis                                     | 65  | 25.7 (16.1, 40.6)    | 0.0007816 (0.0004888, 0.0012345) | 0.02903 (0.02031, 0.04056) | 15.5 (10.0, 22.5)    | 0.000497 (0.0003213, 0.0007209)  | 0.02095 (0.01436, 0.02974) |
| Riau     | Chronic respiratory diseases                  | 65  | 62.2 (43.4, 89.6)    | 0.0018902 (0.0013179, 0.0027243) | 0.07038 (0.05452, 0.08699) | 41.1 (31.0, 53.8)    | 0.0013154 (0.0009924, 0.0017214) | 0.05548 (0.04323, 0.06897) |
| Riau     | Other non-communicable diseases               | 65  | 68.8 (48.1, 99.1)    | 0.00209 (0.0014608, 0.0030116)   | 0.07779 (0.06325, 0.09374) | 71.7 (55.1, 91.7)    | 0.0022939 (0.0017646, 0.0029332) | 0.0967 (0.07724, 0.11653)  |
| Riau     | Drowning                                      | 65  | 0.8 (0.3, 1.9)       | 0.0000249 (0.0000081, 0.0000572) | 0.00092 (0.00033, 0.00195) | 0.5 (0.2, 1.0)       | 0.0000151 (0.0000053, 0.0000322) | 0.00064 (0.00023, 0.00134) |
| Riau     | Falls                                         | 65  | 8.8 (4.4, 15.8)      | 0.0002666 (0.0001347, 0.0004792) | 0.00992 (0.00536, 0.01635) | 5.4 (3.0, 9.1)       | 0.0001736 (0.0000967, 0.0002918) | 0.00732 (0.00421, 0.01209) |
| Riau     | Interpersonal violence                        | 65  | 1.0 (0.4, 2.0)       | 0.0000294 (0.0000121, 0.0000613) | 0.00109 (0.00048, 0.00216) | 0.5 (0.2, 1.1)       | 0.0000158 (0.0000068, 0.0000348) | 0.00067 (0.00029, 0.00146) |
| Riau     | Self-harm                                     | 65  | 1.2 (0.5, 2.5)       | 0.0000357 (0.0000147, 0.0000761) | 0.00133 (0.00058, 0.00266) | 0.5 (0.2, 0.9)       | 0.0000145 (0.0000058, 0.0000295) | 0.00061 (0.00026, 0.00125) |
| Riau     | Transport injuries                            | 65  | 15.8 (9.5, 24.8)     | 0.0004791 (0.0002885, 0.0007533) | 0.01783 (0.01183, 0.02506) | 6.0 (3.6, 9.2)       | 0.0001909 (0.0001157, 0.0002956) | 0.00804 (0.00502, 0.01222) |
| Riau     | Other unintentional injuries                  | 65  | 8.2 (4.6, 13.9)      | 0.0002494 (0.0001387, 0.0004217) | 0.00927 (0.00551, 0.01425) | 3.3 (1.8, 5.3)       | 0.0001045 (0.0000576, 0.0001708) | 0.0044 (0.00249, 0.00705)  |
| Riau     | Diarrheal diseases                            | 70  | 33.4 (22.1, 50.4)    | 0.0016292 (0.0010781, 0.0024531) | 0.03844 (0.02880, 0.05038) | 39.4 (29.4, 51.6)    | 0.0018735 (0.0013982, 0.0024543) | 0.04891 (0.03778, 0.06250) |
| Riau     | HIV/AIDS                                      | 70  | 0.2 (0.1, 0.6)       | 0.0000117 (0.0000030, 0.0000302) | 0.00028 (0.00008, 0.00068) | 0.2 (0.1, 0.6)       | 0.0000109 (0.0000030, 0.0000279) | 0.00028 (0.00008, 0.00073) |
| Riau     | Lower respiratory infections                  | 70  | 19.1 (11.3, 30.2)    | 0.0009299 (0.0005491, 0.0014689) | 0.02193 (0.01458, 0.03177) | 19.0 (12.6, 27.3)    | 0.0009053 (0.0005979, 0.0013021) | 0.02365 (0.01547, 0.03328) |
| Riau     | Malaria                                       | 70  | 1.1 (0.2, 3.6)       | 0.000055 (0.0000102, 0.0001729)  | 0.00129 (0.00026, 0.00399) | 0.6 (0.1, 1.8)       | 0.0000306 (0.0000055, 0.0000852) | 0.0008 (0.00014, 0.00232)  |
| Riau     | Tuberculosis                                  | 70  | 53.4 (37.0, 80.5)    | 0.0026001 (0.0018022, 0.0039232) | 0.06135 (0.04731, 0.07708) | 34.6 (24.4, 46.4)    | 0.0016451 (0.0011605, 0.0022072) | 0.04297 (0.03159, 0.05622) |
| Riau     | Other communicable diseases                   | 70  | 14.4 (8.5, 22.8)     | 0.0007009 (0.0004152, 0.0011101) | 0.01654 (0.01078, 0.02405) | 13.1 (8.4, 19.4)     | 0.0006255 (0.0003977, 0.0009236) | 0.01633 (0.01056, 0.02365) |
| Riau     | Tracheal, bronchus, and lung cancer           | 70  | 16.4 (8.2, 28.9)     | 0.0008001 (0.0003999, 0.0014089) | 0.01889 (0.00990, 0.03095) | 4.3 (2.1, 7.5)       | 0.0002031 (0.0000986, 0.0003578) | 0.0053 (0.00254, 0.00928)  |
| Riau     | Breast cancer                                 | 70  | 0.3 (0.1, 0.7)       | 0.0000141 (0.0000037, 0.0000347) | 0.00034 (0.00009, 0.00081) | 8.1 (4.7, 12.8)      | 0.0003848 (0.0002235, 0.0006094) | 0.01004 (0.00584, 0.01542) |
| Riau     | Cervical cancer                               | 70  |                      |                                  |                            | 5.2 (2.2, 9.4)       | 0.0002473 (0.0001067, 0.0004498) | 0.00646 (0.00289, 0.01160) |
| Riau     | Other malignant neoplasms                     | 70  | 16.8 (11.1, 26.0)    | 0.0008178 (0.0005392, 0.0012688) | 0.01929 (0.01439, 0.02498) | 17.3 (11.4, 24.8)    | 0.0008224 (0.0005427, 0.0011818) | 0.02147 (0.01455, 0.02969) |
| Riau     | Cerebrovascular disease                       | 70  | 224.9 (169.7, 313.7) | 0.0109557 (0.0082638, 0.0152792) | 0.25835 (0.23022, 0.28966) | 256.1 (212.6, 305.8) | 0.0121916 (0.0101232, 0.0145572) | 0.3184 (0.28257, 0.35661)  |
| Riau     | Ischemic heart disease                        | 70  | 173.2 (128.8, 242.7) | 0.008434 (0.0062741, 0.0118213)  | 0.19899 (0.17202, 0.22855) | 114.5 (88.4, 144.8)  | 0.0054494 (0.0042098, 0.0068916) | 0.14233 (0.11385, 0.17358) |
| Riau     | Other cardiovascular and circulatory diseases | 70  | 43.1 (26.9, 67.5)    | 0.0021013 (0.0013125, 0.0032884) | 0.04955 (0.03473, 0.06700) | 52.9 (36.1, 73.7)    | 0.0025185 (0.0017187, 0.0035076) | 0.06577 (0.04645, 0.08983) |
| Riau     | Diabetes mellitus                             | 70  | 43.8 (29.0, 65.2)    | 0.0021347 (0.0014105, 0.0031741) | 0.05039 (0.03752, 0.06494) | 50.3 (35.6, 68.4)    | 0.0023968 (0.0016963, 0.0032551) | 0.06261 (0.04578, 0.08377) |
| Riau     | Chronic kidney disease                        | 70  | 23.2 (14.9, 36.5)    | 0.0011305 (0.0007276, 0.0017773) | 0.02664 (0.01942, 0.03583) | 19.5 (11.5, 29.8)    | 0.0009293 (0.0005469, 0.0014167) | 0.02427 (0.01453, 0.03624) |
| Riau     | Cirrhosis                                     | 70  | 21.5 (13.4, 34.6)    | 0.0010492 (0.0006511, 0.0016866) | 0.02469 (0.01702, 0.03477) | 14.3 (9.3, 20.6)     | 0.0006817 (0.0004440, 0.0009824) | 0.0178 (0.01206, 0.02521)  |
| Riau     | Chronic respiratory diseases                  | 70  | 75.9 (53.4, 111.2)   | 0.003695 (0.0026034, 0.0054163)  | 0.08718 (0.06988, 0.10497) | 52.9 (40.9, 67.6)    | 0.0025195 (0.0019465, 0.0032198) | 0.06582 (0.05189, 0.08060) |
| Riau     | Other non-communicable diseases               | 70  | 74.5 (53.1, 108.5)   | 0.0036285 (0.0025869, 0.0052841) | 0.08559 (0.06992, 0.10207) | 84.9 (65.8, 107.0)   | 0.004043 (0.0031333, 0.0050927)  | 0.10558 (0.08578, 0.12742) |
| Riau     | Drowning                                      | 70  | 1.4 (0.6, 3.2)       | 0.0000702 (0.0000278, 0.0001579) | 0.00165 (0.00073, 0.00337) | 0.8 (0.4, 1.8)       | 0.0000404 (0.0000179, 0.0000837) | 0.00106 (0.00048, 0.00219) |
| Riau     | Falls                                         | 70  | 9.8 (5.0, 16.8)      | 0.0004781 (0.0002459, 0.0008163) | 0.01128 (0.00617, 0.01791) | 6.3 (3.6, 10.0)      | 0.0003017 (0.0001730, 0.0004763) | 0.00788 (0.00445, 0.01201) |
| Riau     | Interpersonal violence                        | 70  | 0.6 (0.2, 1.4)       | 0.0000304 (0.0000114, 0.0000686) | 0.00072 (0.00029, 0.00153) | 0.4 (0.1, 0.8)       | 0.0000168 (0.0000061, 0.0000391) | 0.00044 (0.00017, 0.00098) |
| Riau     | Self-harm                                     | 70  | 0.9 (0.4, 1.8)       | 0.0000429 (0.0000173, 0.0000877) | 0.00101 (0.00043, 0.00196) | 0.4 (0.2, 0.8)       | 0.000018 (0.0000073, 0.0000368)  | 0.00047 (0.00019, 0.00097) |
| Riau     | Transport injuries                            | 70  | 14.7 (8.9, 23.8)     | 0.0007155 (0.0004321, 0.0011585) | 0.01688 (0.01122, 0.02396) | 5.9 (3.6, 9.1)       | 0.0002799 (0.0001696, 0.0004323) | 0.00731 (0.00453, 0.01079) |
| Riau     | Other unintentional injuries                  | 70  | 7.6 (4.2, 13.1)      | 0.0003699 (0.0002028, 0.0006402) | 0.00872 (0.00522, 0.01344) | 3.3 (1.8, 5.4)       | 0.0001549 (0.0000856, 0.0002563) | 0.00404 (0.00233, 0.00649) |
| Riau     | Diarrheal diseases                            | 75  | 25.5 (17.2, 39.6)    | 0.0025937 (0.0017527, 0.0040356) | 0.04418 (0.03394, 0.05732) | 39.7 (30.2, 51.7)    | 0.0034273 (0.0026077, 0.0044630) | 0.0562 (0.04441, 0.07077)  |
| Riau     | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.3)       | 0.0000126 (0.0000032, 0.0000324) | 0.00022 (0.00006, 0.00056) | 0.2 (0.0, 0.4)       | 0.000013 (0.0000036, 0.0000330)  | 0.00021 (0.00006, 0.00055) |
| Riau     | Lower respiratory infections                  | 75  | 13.0 (7.6, 21.0)     | 0.0013259 (0.0007795, 0.0021430) | 0.02258 (0.01472, 0.03267) | 17.0 (11.2, 24.4)    | 0.0014706 (0.0009636, 0.0021031) | 0.02414 (0.01605, 0.03400) |
| Riau     | Malaria                                       | 75  | 0.8 (0.1, 2.2)       | 0.0000779 (0.0000140, 0.0002289) | 0.00132 (0.00026, 0.00389) | 0.5 (0.1, 1.5)       | 0.0000466 (0.0000085, 0.0001317) | 0.00076 (0.00014, 0.00211) |
| Riau     | Tuberculosis                                  | 75  | 30.8 (20.6, 48.1)    | 0.0031418 (0.0021036, 0.0049007) | 0.0535 (0.04000, 0.06882)  | 24.4 (16.9, 33.1)    | 0.0021063 (0.0014568, 0.0028562) | 0.03456 (0.02468, 0.04622) |
| Riau     | Other communicable diseases                   | 75  | 8.7 (5.0, 14.5)      | 0.0008894 (0.0005081, 0.0014747) | 0.01515 (0.00953, 0.02268) | 10.8 (6.8, 16.4)     | 0.0009316 (0.0005892, 0.0014148) | 0.01528 (0.00992, 0.02251) |
| Riau     | Tracheal, bronchus, and lung cancer           | 75  | 8.7 (4.1, 15.7)      | 0.0008837 (0.0004159, 0.0015999) | 0.01507 (0.00744, 0.02486) | 2.8 (1.3, 5.0)       | 0.0002384 (0.0001127, 0.0004353) | 0.00391 (0.00186, 0.00695) |
| Riau     | Breast cancer                                 | 75  | 0.1 (0.0, 0.3)       | 0.0000128 (0.0000031, 0.0000334) | 0.00022 (0.00005, 0.00056) | 4.6 (2.4, 7.6)       | 0.0003953 (0.0002061, 0.0006589) | 0.00648 (0.00337, 0.01054) |
| Riau     | Cervical cancer                               | 75  |                      |                                  |                            | 2.8 (1.1, 5.3)       | 0.0002449 (0.0000990, 0.0004585) | 0.00402 (0.00164, 0.00743) |
| Riau     | Other malignant neoplasms                     | 75  | 8.5 (5.4, 13.6)      | 0.000865 (0.0005517, 0.0013843)  | 0.01473 (0.01084, 0.01946) | 13.0 (8.7, 18.3)     | 0.0011253 (0.0007481, 0.0015763) | 0.01846 (0.01260, 0.02537) |
| Riau     | Cerebrovascular disease                       | 75  | 147.7 (110.8, 211.7) | 0.0150528 (0.0112931, 0.0215773) | 0.25624 (0.22660, 0.28786) | 226.3 (188.2, 266.8) | 0.0195255 (0.0162425, 0.0230197) | 0.3203 (0.28270, 0.35911)  |
| Riau     | Ischemic heart disease                        | 75  | 124.1 (91.8, 178.6)  | 0.0126476 (0.0093584, 0.0181976) | 0.21546 (0.18645, 0.24610) | 108.1 (84.6, 135.3)  | 0.0093237 (0.0072984, 0.0116767) | 0.15294 (0.12195, 0.18607) |



Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                  |                             | Females                    |                                  |                            |
|----------|----------------------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Other cardiovascular and circulatory diseases            | 75  | 29.4 (18.0, 46.6)          | 0.0029923 (0.0018388, 0.0047493) | 0.05095 (0.03562, 0.06903)  | 47.6 (32.9, 65.7)          | 0.0041104 (0.0028406, 0.0056688) | 0.06743 (0.04722, 0.09197) |
| Riau     | Diabetes mellitus                                        | 75  | 24.5 (16.3, 37.2)          | 0.0025015 (0.0016573, 0.0037887) | 0.04262 (0.03151, 0.05485)  | 37.1 (26.0, 50.7)          | 0.0032026 (0.0022416, 0.0043761) | 0.05256 (0.03778, 0.07225) |
| Riau     | Chronic kidney disease                                   | 75  | 14.0 (8.9, 22.3)           | 0.0014256 (0.0009064, 0.0022715) | 0.02425 (0.01755, 0.03284)  | 15.2 (8.9, 23.4)           | 0.001313 (0.0007720, 0.0020206)  | 0.02154 (0.01300, 0.03205) |
| Riau     | Cirrhosis                                                | 75  | 12.3 (7.6, 20.1)           | 0.0012583 (0.0007757, 0.0020469) | 0.02138 (0.01477, 0.02988)  | 11.1 (7.4, 16.0)           | 0.0009615 (0.0006390, 0.0013794) | 0.01577 (0.01063, 0.02257) |
| Riau     | Chronic respiratory diseases                             | 75  | 50.2 (35.1, 74.2)          | 0.0051208 (0.0035747, 0.0075664) | 0.08724 (0.06933, 0.10609)  | 45.1 (34.6, 57.4)          | 0.0038948 (0.0029886, 0.0049558) | 0.0639 (0.04971, 0.07852)  |
| Riau     | Other non-communicable diseases                          | 75  | 56.3 (39.6, 83.9)          | 0.0057327 (0.0040346, 0.0085500) | 0.0976 (0.08060, 0.11635)   | 85.5 (66.7, 107.3)         | 0.0073773 (0.0057482, 0.0092545) | 0.121 (0.09898, 0.14542)   |
| Riau     | Drowning                                                 | 75  | 1.3 (0.5, 2.7)             | 0.0001282 (0.0000511, 0.0002793) | 0.00218 (0.00092, 0.00433)  | 1.0 (0.5, 2.2)             | 0.0000902 (0.0000398, 0.0001868) | 0.00148 (0.00065, 0.00301) |
| Riau     | Falls                                                    | 75  | 7.5 (4.1, 12.7)            | 0.0007636 (0.0004173, 0.0012907) | 0.013 (0.00752, 0.02097)    | 6.6 (4.0, 10.3)            | 0.0005675 (0.0003417, 0.0008890) | 0.00931 (0.00570, 0.01439) |
| Riau     | Interpersonal violence                                   | 75  | 0.3 (0.1, 0.8)             | 0.0000332 (0.0000090, 0.0000853) | 0.00056 (0.00017, 0.00143)  | 0.2 (0.1, 0.6)             | 0.0000193 (0.0000056, 0.0000505) | 0.00032 (0.00009, 0.00085) |
| Riau     | Self-harm                                                | 75  | 0.6 (0.2, 1.2)             | 0.000057 (0.0000226, 0.0001201)  | 0.00097 (0.00042, 0.00194)  | 0.3 (0.1, 0.6)             | 0.0000248 (0.0000097, 0.0000511) | 0.00041 (0.00016, 0.00085) |
| Riau     | Transport injuries                                       | 75  | 7.1 (3.9, 12.0)            | 0.000722 (0.0003952, 0.0012267)  | 0.01229 (0.00729, 0.01866)  | 3.7 (2.1, 6.0)             | 0.0003227 (0.0001784, 0.0005177) | 0.00529 (0.00294, 0.00837) |
| Riau     | Other unintentional injuries                             | 75  | 4.8 (2.5, 8.6)             | 0.0004877 (0.0002535, 0.0008815) | 0.0083 (0.00481, 0.01328)   | 2.6 (1.4, 4.5)             | 0.0002266 (0.0001218, 0.0003853) | 0.00372 (0.00200, 0.00625) |
| Riau     | Diarrheal diseases                                       | 80  | 75.1 (56.3, 103.5)         | 0.009364 (0.0070290, 0.0129155)  | 0.07596 (0.06086, 0.09354)  | 131.0 (104.9, 161.1)       | 0.011523 (0.0092271, 0.0141744)  | 0.08413 (0.06847, 0.10141) |
| Riau     | HIV/AIDS                                                 | 80  | 0.2 (0.0, 0.6)             | 0.0000277 (0.0000060, 0.0000766) | 0.00022 (0.00005, 0.00061)  | 0.3 (0.1, 0.9)             | 0.0000291 (0.0000069, 0.0000790) | 0.00021 (0.00005, 0.00058) |
| Riau     | Lower respiratory infections                             | 80  | 28.3 (17.0, 41.2)          | 0.0035247 (0.0021272, 0.0051451) | 0.0286 (0.01839, 0.04018)   | 43.1 (28.1, 60.1)          | 0.0037891 (0.0024697, 0.0052827) | 0.02768 (0.01810, 0.03873) |
| Riau     | Malaria                                                  | 80  | 1.3 (0.2, 3.9)             | 0.000164 (0.0000284, 0.0004900)  | 0.00133 (0.00023, 0.00391)  | 1.2 (0.2, 3.6)             | 0.000108 (0.0000182, 0.0003165)  | 0.00079 (0.00013, 0.00232) |
| Riau     | Tuberculosis                                             | 80  | 46.7 (32.5, 67.4)          | 0.0058236 (0.0040592, 0.0084033) | 0.04726 (0.03424, 0.06158)  | 51.8 (35.8, 69.7)          | 0.0045521 (0.0031475, 0.0061293) | 0.03324 (0.02312, 0.04440) |
| Riau     | Other communicable diseases                              | 80  | 18.1 (11.1, 27.7)          | 0.0022613 (0.0013827, 0.0034574) | 0.01836 (0.01173, 0.02701)  | 24.1 (14.8, 36.0)          | 0.002116 (0.0012983, 0.0031687)  | 0.01545 (0.00970, 0.02305) |
| Riau     | Tracheal, bronchus, and lung cancer                      | 80  | 10.8 (5.1, 19.2)           | 0.0013525 (0.0006408, 0.0023964) | 0.01099 (0.00530, 0.01972)  | 5.0 (2.2, 9.4)             | 0.0004401 (0.0001921, 0.0008263) | 0.00321 (0.00143, 0.00609) |
| Riau     | Breast cancer                                            | 80  | 0.1 (0.0, 0.4)             | 0.0000177 (0.0000039, 0.0000495) | 0.00014 (0.00003, 0.00041)  | 6.5 (3.1, 11.5)            | 0.0005759 (0.0002758, 0.0010088) | 0.0042 (0.00201, 0.00723)  |
| Riau     | Cervical cancer                                          | 80  |                            |                                  |                             | 3.4 (1.1, 7.2)             | 0.0003021 (0.0000978, 0.0006336) | 0.00221 (0.00074, 0.00461) |
| Riau     | Other malignant neoplasms                                | 80  | 11.3 (7.6, 16.4)           | 0.0014101 (0.0009445, 0.0020511) | 0.01144 (0.00821, 0.01549)  | 22.4 (15.3, 31.7)          | 0.0019693 (0.0013415, 0.0027870) | 0.01438 (0.00988, 0.01991) |
| Riau     | Cerebrovascular disease                                  | 80  | 257.0 (208.9, 330.6)       | 0.0320649 (0.0260594, 0.0412494) | 0.26014 (0.22802, 0.29149)  | 494.4 (425.2, 568.1)       | 0.0434826 (0.0373983, 0.0499724) | 0.31752 (0.27981, 0.35709) |
| Riau     | Ischemic heart disease                                   | 80  | 191.4 (152.6, 249.0)       | 0.0238787 (0.0190346, 0.0310711) | 0.19377 (0.16625, 0.22202)  | 233.0 (183.1, 287.5)       | 0.0204968 (0.0161079, 0.0252916) | 0.14966 (0.11950, 0.18119) |
| Riau     | Other cardiovascular and circulatory diseases            | 80  | 46.3 (30.1, 68.1)          | 0.0057793 (0.0037532, 0.0084944) | 0.04687 (0.03257, 0.06463)  | 95.9 (66.3, 135.0)         | 0.0084312 (0.0058287, 0.0118703) | 0.06158 (0.04293, 0.08539) |
| Riau     | Diabetes mellitus                                        | 80  | 32.5 (22.5, 46.1)          | 0.0040532 (0.0028071, 0.0057533) | 0.03291 (0.02399, 0.04340)  | 65.4 (45.3, 89.4)          | 0.0057504 (0.0039874, 0.0078614) | 0.042 (0.02978, 0.05764)   |
| Riau     | Chronic kidney disease                                   | 80  | 18.6 (12.3, 28.0)          | 0.0023222 (0.0015353, 0.0034990) | 0.01883 (0.01287, 0.02638)  | 27.9 (16.5, 42.4)          | 0.0024523 (0.0014514, 0.0037294) | 0.01791 (0.01070, 0.02691) |
| Riau     | Cirrhosis                                                | 80  | 18.3 (12.0, 28.4)          | 0.0022886 (0.0014934, 0.0035435) | 0.01855 (0.01247, 0.02647)  | 20.2 (13.0, 29.7)          | 0.0017777 (0.0011446, 0.0026083) | 0.01298 (0.00852, 0.01901) |
| Riau     | Chronic respiratory diseases                             | 80  | 85.5 (64.2, 115.0)         | 0.0106639 (0.0080145, 0.0143511) | 0.08655 (0.06946, 0.10545)  | 96.5 (74.0, 122.4)         | 0.0084851 (0.0065091, 0.0107677) | 0.06196 (0.04831, 0.07625) |
| Riau     | Other non-communicable diseases                          | 80  | 106.5 (81.5, 145.7)        | 0.0132868 (0.0101704, 0.0181802) | 0.10777 (0.08877, 0.12871)  | 204.2 (164.4, 249.5)       | 0.017958 (0.0144630, 0.0219488)  | 0.13112 (0.10731, 0.15739) |
| Riau     | Drowning                                                 | 80  | 2.5 (0.9, 5.4)             | 0.0003077 (0.0001165, 0.0006705) | 0.00249 (0.00096, 0.00544)  | 2.0 (0.8, 4.1)             | 0.0001717 (0.0000675, 0.0003586) | 0.00125 (0.00050, 0.00263) |
| Riau     | Falls                                                    | 80  | 18.1 (10.9, 28.5)          | 0.0022568 (0.0013605, 0.0035528) | 0.01831 (0.01123, 0.02791)  | 16.6 (10.8, 24.9)          | 0.00146 (0.0009467, 0.0021924)   | 0.01066 (0.00698, 0.01608) |
| Riau     | Interpersonal violence                                   | 80  | 0.4 (0.1, 1.2)             | 0.0000476 (0.0000088, 0.0001503) | 0.00039 (0.00007, 0.000114) | 0.4 (0.1, 1.2)             | 0.0000317 (0.0000067, 0.0001031) | 0.00023 (0.00005, 0.00075) |
| Riau     | Self-harm                                                | 80  | 0.8 (0.3, 1.7)             | 0.0000945 (0.0000347, 0.0002065) | 0.00077 (0.00030, 0.00168)  | 0.6 (0.2, 1.3)             | 0.0000494 (0.0000177, 0.0001140) | 0.00036 (0.00013, 0.00082) |
| Riau     | Transport injuries                                       | 80  | 10.7 (6.0, 17.9)           | 0.0013351 (0.0007424, 0.0022388) | 0.01083 (0.00620, 0.01756)  | 6.4 (3.3, 11.0)            | 0.0005592 (0.0002892, 0.0009657) | 0.00408 (0.00211, 0.00700) |
| Riau     | Other unintentional injuries                             | 80  | 7.4 (3.7, 13.1)            | 0.0009284 (0.0004562, 0.0016355) | 0.00752 (0.00382, 0.01276)  | 5.0 (2.4, 9.1)             | 0.0004363 (0.0002084, 0.0007985) | 0.00319 (0.00148, 0.00579) |
| Riau     | Diarrheal diseases                                       | All | 740.9 (487.0, 1,071.5)     | 0.0002435 (0.0001600, 0.0003521) | 0.0533 (0.03870, 0.07085)   | 854.3 (598.7, 1,192.9)     | 0.0002973 (0.0002084, 0.0004152) | 0.07358 (0.05565, 0.09504) |
| Riau     | HIV/AIDS                                                 | All | 57.5 (20.6, 112.0)         | 0.0000189 (0.0000068, 0.0000368) | 0.00415 (0.00145, 0.00798)  | 29.2 (9.4, 62.5)           | 0.0000102 (0.0000033, 0.0000217) | 0.00251 (0.00081, 0.00528) |
| Riau     | Lower respiratory infections                             | All | 651.2 (435.1, 919.7)       | 0.000214 (0.0001430, 0.0003022)  | 0.04684 (0.03382, 0.06223)  | 490.7 (332.4, 693.0)       | 0.0001708 (0.0001157, 0.0002412) | 0.04223 (0.03073, 0.05562) |
| Riau     | Malaria                                                  | All | 29.6 (6.1, 81.6)           | 0.0000097 (0.0000020, 0.0000268) | 0.00213 (0.00045, 0.00577)  | 16.3 (3.2, 45.6)           | 0.0000057 (0.0000011, 0.0000159) | 0.0014 (0.01423, 0.00388)  |
| Riau     | Tuberculosis                                             | All | 730.8 (541.8, 1,001.4)     | 0.0002402 (0.0001781, 0.0003291) | 0.05267 (0.04001, 0.06616)  | 374.2 (269.4, 499.1)       | 0.0001302 (0.0000938, 0.0001737) | 0.03236 (0.02378, 0.04216) |
| Riau     | Maternal disorders                                       | All |                            |                                  |                             | 180.2 (134.0, 238.5)       | 0.0000627 (0.0000466, 0.0000830) | 0.01556 (0.01221, 0.01948) |
| Riau     | Neonatal encephalopathy due to birth asphyxia and trauma | All | 479.4 (237.3, 789.0)       | 0.0001575 (0.0000780, 0.0002593) | 0.03422 (0.01819, 0.05404)  | 301.7 (152.7, 525.3)       | 0.000105 (0.0000531, 0.0001828)  | 0.02574 (0.01417, 0.04175) |
| Riau     | Preterm birth complications                              | All | 531.1 (261.9, 868.8)       | 0.0001745 (0.0000861, 0.0002855) | 0.03797 (0.01959, 0.05974)  | 459.4 (233.6, 757.7)       | 0.0001599 (0.0000813, 0.0002637) | 0.0392 (0.02151, 0.06227)  |
| Riau     | Other neonatal disorders                                 | All | 207.3 (83.6, 414.4)        | 0.0000681 (0.0000275, 0.0001362) | 0.01482 (0.00661, 0.02733)  | 129.6 (49.0, 260.4)        | 0.0000451 (0.0000171, 0.0000906) | 0.01106 (0.00446, 0.02164) |
| Riau     | Other communicable diseases                              | All | 989.5 (698.2, 1,324.6)     | 0.0003252 (0.0002294, 0.0004353) | 0.07134 (0.05348, 0.09077)  | 728.0 (481.9, 1,030.4)     | 0.0002534 (0.0001677, 0.0003586) | 0.06266 (0.04519, 0.08369) |
| Riau     | Tracheal, bronchus, and lung cancer                      | All | 176.7 (96.5, 292.7)        | 0.0000581 (0.0000317, 0.0000962) | 0.01272 (0.00714, 0.02021)  | 63.9 (32.1, 108.8)         | 0.0000223 (0.0000112, 0.0000379) | 0.00553 (0.00290, 0.00942) |
| Riau     | Breast cancer                                            | All | 5.0 (2.1, 11.1)            | 0.0000016 (0.0000007, 0.0000037) | 0.00036 (0.00015, 0.00077)  | 263.1 (164.9, 397.1)       | 0.0000916 (0.0000574, 0.0001382) | 0.02271 (0.01423, 0.03231) |
| Riau     | Cervical cancer                                          | All |                            |                                  |                             | 143.6 (66.3, 244.8)        | 0.00005 (0.0000231, 0.0000852)   | 0.01238 (0.00602, 0.02149) |
| Riau     | Other malignant neoplasms                                | All | 445.6 (321.8, 611.5)       | 0.0001464 (0.0001057, 0.0002009) | 0.03213 (0.02419, 0.04129)  | 340.9 (234.7, 478.7)       | 0.0001186 (0.0000817, 0.0001666) | 0.02945 (0.02075, 0.04006) |
| Riau     | Cerebrovascular disease                                  | All | 1,836.3 (1,426.7, 2,470.8) | 0.0006035 (0.0004688, 0.0008120) | 0.13214 (0.11014, 0.15761)  | 2,092.7 (1,711.1, 2,552.4) | 0.0007284 (0.0005956, 0.0008884) | 0.18107 (0.15135, 0.21097) |
| Riau     | Ischemic heart disease                                   | All | 1,752.8 (1,347.3, 2,354.7) | 0.000576 (0.0004428, 0.0007738)  | 0.12626 (0.10220, 0.15229)  | 1,075.0 (815.5, 1,385.1)   | 0.0003742 (0.0002838, 0.0004821) | 0.09302 (0.07032, 0.11700) |
| Riau     | Other cardiovascular and circulatory diseases            | All | 355.3 (226.5, 531.7)       | 0.0001168 (0.0000744, 0.0001747) | 0.02555 (0.01707, 0.03612)  | 448.2 (308.2, 638.8)       | 0.000156 (0.0001073, 0.0002223)  | 0.03875 (0.02683, 0.05319) |
| Riau     | Diabetes mellitus                                        | All | 556.3 (381.8, 767.2)       | 0.0001828 (0.0001255, 0.0002521) | 0.04007 (0.02904, 0.05205)  | 574.7 (398.6, 787.6)       | 0.0002 (0.0001387, 0.0002741)    | 0.0497 (0.03527, 0.06749)  |
| Riau     | Chronic kidney disease                                   | All | 366.4 (254.3, 532.6)       | 0.0001204 (0.0000836, 0.0001750) | 0.0264 (0.01929, 0.03572)   | 286.6 (174.8, 433.2)       | 0.0000998 (0.0000608, 0.0001508) | 0.02478 (0.01539, 0.03686) |
| Riau     | Cirrhosis                                                | All | 402.3 (274.8, 594.5)       | 0.0001322 (0.0000903, 0.0001954) | 0.02897 (0.02049, 0.04078)  | 220.1 (145.0, 317.6)       | 0.0000766 (0.0000505, 0.0001105) | 0.01903 (0.01283, 0.02757) |
| Riau     | Chronic respiratory diseases                             | All | 549.2 (395.8, 771.8)       | 0.0001805 (0.0001301, 0.0002536) | 0.03959 (0.02953, 0.05147)  | 396.4 (298.8, 515.3)       | 0.000138 (0.0001040, 0.0001793)  | 0.03431 (0.02581, 0.04353) |
| Riau     | Other non-communicable diseases                          | All | 1,407.0 (1,069.4, 1,830.0) | 0.0004624 (0.0003514, 0.0006014) | 0.10123 (0.08577, 0.11738)  | 1,501.9 (1,162.5, 1,869.0) | 0.0005227 (0.0004046, 0.0006505) | 0.12944 (0.11174, 0.14942) |
| Riau     | Drowning                                                 | All | 178.8 (111.1, 273.8)       | 0.0000587 (0.0000365, 0.0000900) | 0.01291 (0.00845, 0.01937)  | 63.6 (39.7, 98.4)          | 0.0000221 (0.0000138, 0.0000343) | 0.00549 (0.00351, 0.00844) |
| Riau     | Falls                                                    | All | 166.8 (95.3, 276.3)        | 0.0000548 (0.0000313, 0.0000908) | 0.01203 (0.00690, 0.01938)  | 89.6 (53.9, 143.7)         | 0.0000312 (0.0000187, 0.0000500) | 0.00774 (0.00465, 0.01226) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                  |                                  |                            | Females              |                                  |                            |
|----------|----------------------------------------------------------|-----|------------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Riau     | Interpersonal violence                                   | All | 63.2 (35.5, 105.0)     | 0.000208 (0.0000117, 0.0000345)  | 0.00455 (0.00265, 0.00718) | 38.3 (19.6, 65.2)    | 0.0000133 (0.0000068, 0.0000227) | 0.0033 (0.00179, 0.00557)  |
| Riau     | Self-harm                                                | All | 32.6 (15.4, 61.7)      | 0.0000107 (0.0000051, 0.0000203) | 0.00235 (0.00112, 0.00421) | 15.8 (7.2, 28.4)     | 0.0000055 (0.0000025, 0.0000099) | 0.00137 (0.00063, 0.00243) |
| Riau     | Transport injuries                                       | All | 821.8 (624.6, 1,086.5) | 0.0002701 (0.0002053, 0.0003570) | 0.05932 (0.04622, 0.07419) | 274.4 (200.7, 369.7) | 0.0000955 (0.0000698, 0.0001287) | 0.02372 (0.01754, 0.03060) |
| Riau     | Other unintentional injuries                             | All | 360.7 (234.4, 534.8)   | 0.0001185 (0.0000770, 0.0001758) | 0.02596 (0.01826, 0.03590) | 138.0 (88.6, 210.4)  | 0.000048 (0.0000308, 0.0000732)  | 0.01189 (0.00780, 0.01738) |
| Jambi    | Diarrheal diseases                                       | NN  | 8.4 (3.0, 17.4)        | 0.0029216 (0.0010508, 0.0060519) | 0.01811 (0.00991, 0.03048) | 7.2 (2.7, 15.1)      | 0.0026285 (0.0009969, 0.0055125) | 0.01995 (0.01122, 0.03368) |
| Jambi    | Lower respiratory infections                             | NN  | 58.8 (26.3, 102.0)     | 0.0204784 (0.0091694, 0.0355297) | 0.12773 (0.09082, 0.17220) | 38.4 (17.6, 70.9)    | 0.0140318 (0.0064370, 0.0259418) | 0.10661 (0.07455, 0.14697) |
| Jambi    | Malaria                                                  | NN  | 0.5 (0.1, 1.9)         | 0.0001869 (0.0000336, 0.0006460) | 0.00116 (0.00025, 0.00366) | 0.3 (0.1, 1.2)       | 0.0001223 (0.0000204, 0.0004301) | 0.00093 (0.00019, 0.00281) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 119.8 (50.5, 209.5)    | 0.0417299 (0.0175956, 0.0729457) | 0.25914 (0.17989, 0.35450) | 85.8 (38.9, 162.5)   | 0.0313602 (0.0142331, 0.0594032) | 0.2377 (0.15547, 0.33266)  |
| Jambi    | Preterm birth complications                              | NN  | 117.1 (49.0, 211.0)    | 0.0407638 (0.0170664, 0.0734696) | 0.25355 (0.15498, 0.35459) | 112.2 (50.6, 205.8)  | 0.0410212 (0.0185157, 0.0752449) | 0.31014 (0.19978, 0.41869) |
| Jambi    | Other neonatal disorders                                 | NN  | 65.4 (20.8, 147.4)     | 0.0227709 (0.0072395, 0.0513337) | 0.14174 (0.06070, 0.26396) | 45.4 (13.6, 107.8)   | 0.0165856 (0.0049605, 0.0394239) | 0.12586 (0.05086, 0.24038) |
| Jambi    | Other communicable diseases                              | NN  | 6.4 (2.3, 13.2)        | 0.0022178 (0.0007921, 0.0045834) | 0.01377 (0.00683, 0.02382) | 3.8 (1.3, 8.2)       | 0.0014055 (0.0004793, 0.0029811) | 0.01068 (0.00518, 0.01897) |
| Jambi    | Other malignant neoplasms                                | NN  | 2.8 (1.0, 6.0)         | 0.0009746 (0.0003579, 0.0020808) | 0.00607 (0.00301, 0.01111) | 2.4 (0.8, 5.3)       | 0.0008761 (0.0003066, 0.0019376) | 0.00663 (0.00320, 0.01193) |
| Jambi    | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.4)         | 0.0003238 (0.0000793, 0.0008461) | 0.00201 (0.00065, 0.00439) | 1.0 (0.3, 2.5)       | 0.0003744 (0.0000979, 0.0009212) | 0.00284 (0.00088, 0.00622) |
| Jambi    | Other cardiovascular and circulatory diseases            | NN  | 0.9 (0.2, 2.7)         | 0.0003118 (0.0000706, 0.0009480) | 0.00195 (0.00050, 0.00482) | 1.0 (0.2, 2.8)       | 0.0003507 (0.0000773, 0.0010392) | 0.00264 (0.00071, 0.00669) |
| Jambi    | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.3)         | 0.0000625 (0.0000003, 0.0004505) | 0.00039 (0.00000, 0.00328) | 0.2 (0.0, 2.1)       | 0.0000852 (0.0000004, 0.0007551) | 0.00062 (0.00000, 0.00496) |
| Jambi    | Other non-communicable diseases                          | NN  | 57.9 (28.6, 94.3)      | 0.0201702 (0.0099578, 0.0328276) | 0.12534 (0.10234, 0.14931) | 56.1 (28.6, 96.0)    | 0.0205219 (0.0104593, 0.0350886) | 0.1553 (0.12762, 0.18350)  |
| Jambi    | Drowning                                                 | NN  | 6.7 (2.3, 14.9)        | 0.0023363 (0.0007986, 0.0051785) | 0.01454 (0.00693, 0.02804) | 1.7 (0.6, 4.3)       | 0.0006353 (0.0002070, 0.0015568) | 0.00484 (0.00215, 0.01010) |
| Jambi    | Falls                                                    | NN  | 1.8 (0.6, 4.2)         | 0.0006178 (0.0001953, 0.0014524) | 0.00383 (0.00168, 0.00763) | 0.6 (0.2, 1.5)       | 0.0002292 (0.0000671, 0.0005561) | 0.00174 (0.00069, 0.00362) |
| Jambi    | Interpersonal violence                                   | NN  | 1.1 (0.3, 2.8)         | 0.0003988 (0.0001137, 0.0009666) | 0.00249 (0.00096, 0.00527) | 0.7 (0.2, 1.7)       | 0.0002567 (0.0000720, 0.0006384) | 0.00195 (0.00071, 0.00414) |
| Jambi    | Transport injuries                                       | NN  | 4.1 (1.5, 9.1)         | 0.0014325 (0.0005093, 0.0031839) | 0.00895 (0.00404, 0.01624) | 1.1 (0.4, 2.5)       | 0.0003965 (0.0001293, 0.0009230) | 0.00302 (0.00125, 0.00571) |
| Jambi    | Other unintentional injuries                             | NN  | 8.9 (3.3, 17.6)        | 0.0030953 (0.0011597, 0.0061263) | 0.01923 (0.01036, 0.03133) | 3.1 (1.2, 6.2)       | 0.0011278 (0.0004289, 0.0022494) | 0.00856 (0.00442, 0.01451) |
| Jambi    | Diarrheal diseases                                       | PNN | 117.6 (54.9, 206.4)    | 0.0032821 (0.0015316, 0.0057580) | 0.28649 (0.21474, 0.36403) | 121.3 (59.1, 210.9)  | 0.0035527 (0.0017328, 0.0061790) | 0.34377 (0.26645, 0.42298) |
| Jambi    | HIV/AIDS                                                 | PNN | 2.4 (0.5, 7.3)         | 0.0000658 (0.0000139, 0.0002046) | 0.00572 (0.00143, 0.01636) | 1.8 (0.3, 5.7)       | 0.0000527 (0.0000091, 0.0001677) | 0.00503 (0.00117, 0.01425) |
| Jambi    | Lower respiratory infections                             | PNN | 70.2 (33.9, 118.2)     | 0.0019575 (0.0009449, 0.0032969) | 0.17148 (0.12918, 0.21802) | 52.2 (25.5, 88.0)    | 0.0015305 (0.0007459, 0.0025776) | 0.14858 (0.10959, 0.19043) |
| Jambi    | Malaria                                                  | PNN | 7.3 (1.5, 22.5)        | 0.0002024 (0.0000412, 0.0006267) | 0.01767 (0.00433, 0.05036) | 5.5 (1.1, 16.8)      | 0.0001604 (0.0000320, 0.0004935) | 0.0156 (0.00368, 0.04549)  |
| Jambi    | Tuberculosis                                             | PNN | 10.4 (4.0, 21.6)       | 0.0002912 (0.0001114, 0.0006024) | 0.02541 (0.01314, 0.04725) | 8.3 (3.1, 17.4)      | 0.0002419 (0.0000904, 0.0005086) | 0.02339 (0.01113, 0.04169) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 4.1 (1.1, 11.1)        | 0.0001156 (0.0000294, 0.0003110) | 0.01008 (0.00316, 0.02367) | 3.2 (0.8, 8.4)       | 0.0000952 (0.0000236, 0.0002469) | 0.00921 (0.00289, 0.02240) |
| Jambi    | Preterm birth complications                              | PNN | 11.1 (3.3, 27.0)       | 0.0003087 (0.0000909, 0.0007541) | 0.02691 (0.01020, 0.05617) | 13.0 (4.0, 30.8)     | 0.0003814 (0.0001163, 0.0009018) | 0.0369 (0.01388, 0.07703)  |
| Jambi    | Other neonatal disorders                                 | PNN | 9.4 (2.0, 27.6)        | 0.0002615 (0.0000550, 0.0007696) | 0.02287 (0.00600, 0.06370) | 7.3 (1.4, 24.1)      | 0.0002144 (0.0000417, 0.0007051) | 0.02072 (0.00488, 0.05797) |
| Jambi    | Other communicable diseases                              | PNN | 99.2 (46.7, 171.1)     | 0.0027678 (0.0013022, 0.0047733) | 0.24208 (0.16754, 0.31793) | 72.1 (32.2, 125.1)   | 0.0021127 (0.0009447, 0.0036644) | 0.2046 (0.13613, 0.27989)  |
| Jambi    | Other malignant neoplasms                                | PNN | 2.3 (0.9, 5.0)         | 0.0000655 (0.0000247, 0.0001382) | 0.00573 (0.00283, 0.01035) | 2.2 (0.8, 4.6)       | 0.0000651 (0.0000236, 0.0001361) | 0.00633 (0.00307, 0.01141) |
| Jambi    | Cerebrovascular disease                                  | PNN | 0.8 (0.2, 1.9)         | 0.0000218 (0.0000058, 0.0000522) | 0.00191 (0.00062, 0.00414) | 1.0 (0.3, 2.4)       | 0.0000279 (0.0000079, 0.0000691) | 0.00272 (0.00084, 0.00594) |
| Jambi    | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.3)         | 0.0000072 (0.0000005, 0.0000350) | 0.00062 (0.00005, 0.00297) | 0.3 (0.0, 1.4)       | 0.0000091 (0.0000006, 0.0000420) | 0.00088 (0.00006, 0.00380) |
| Jambi    | Other cardiovascular and circulatory diseases            | PNN | 0.7 (0.2, 2.1)         | 0.0000209 (0.0000049, 0.0000592) | 0.00184 (0.00047, 0.00458) | 0.9 (0.2, 2.6)       | 0.0000261 (0.0000062, 0.0000768) | 0.00251 (0.00067, 0.00638) |
| Jambi    | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.3)         | 0.0000043 (0.0000000, 0.0000365) | 0.00037 (0.00000, 0.00311) | 0.2 (0.0, 1.9)       | 0.0000062 (0.0000000, 0.0000558) | 0.00059 (0.00000, 0.00480) |
| Jambi    | Chronic kidney disease                                   | PNN | 3.4 (1.2, 7.2)         | 0.0000935 (0.0000328, 0.0002020) | 0.00818 (0.00401, 0.01512) | 3.2 (1.3, 7.0)       | 0.0000935 (0.0000366, 0.0002040) | 0.00909 (0.00440, 0.01642) |
| Jambi    | Other non-communicable diseases                          | PNN | 48.3 (24.2, 82.5)      | 0.0013479 (0.0006750, 0.0023025) | 0.1178 (0.09526, 0.14209)  | 52.0 (26.3, 87.4)    | 0.0015241 (0.0007709, 0.0025611) | 0.14741 (0.11962, 0.17530) |
| Jambi    | Drowning                                                 | PNN | 6.9 (2.6, 14.4)        | 0.0001916 (0.0000729, 0.0004026) | 0.01675 (0.00839, 0.03126) | 2.0 (0.7, 4.5)       | 0.0000584 (0.0000193, 0.0001315) | 0.00564 (0.00260, 0.01177) |
| Jambi    | Falls                                                    | PNN | 1.8 (0.6, 3.9)         | 0.0000489 (0.0000165, 0.0001101) | 0.00425 (0.00191, 0.00828) | 0.7 (0.2, 1.5)       | 0.00002 (0.0000063, 0.0000445)   | 0.00195 (0.00080, 0.00400) |
| Jambi    | Interpersonal violence                                   | PNN | 1.1 (0.3, 2.6)         | 0.0000309 (0.0000092, 0.0000730) | 0.0027 (0.00107, 0.00557)  | 0.7 (0.2, 1.8)       | 0.000022 (0.0000068, 0.0000518)  | 0.00214 (0.00081, 0.00450) |
| Jambi    | Transport injuries                                       | PNN | 4.2 (1.6, 8.7)         | 0.0001167 (0.0000460, 0.0002427) | 0.01021 (0.00472, 0.01809) | 1.2 (0.4, 2.6)       | 0.000036 (0.0000121, 0.0000757)  | 0.00348 (0.00153, 0.00649) |
| Jambi    | Other unintentional injuries                             | PNN | 8.6 (3.5, 16.8)        | 0.0002402 (0.0000975, 0.0004677) | 0.02096 (0.01163, 0.03265) | 3.3 (1.3, 6.8)       | 0.0000975 (0.0000370, 0.0001978) | 0.00944 (0.00509, 0.01563) |
| Jambi    | Diarrheal diseases                                       | 1   | 32.9 (12.6, 67.0)      | 0.000226 (0.0000868, 0.0004597)  | 0.161 (0.11029, 0.22629)   | 31.8 (13.3, 61.1)    | 0.0002291 (0.0000960, 0.0004399) | 0.2126 (0.15231, 0.28442)  |
| Jambi    | HIV/AIDS                                                 | 1   | 1.4 (0.3, 4.4)         | 0.0000096 (0.0000018, 0.0000302) | 0.00689 (0.00177, 0.01901) | 1.0 (0.2, 3.2)       | 0.0000073 (0.0000014, 0.0000233) | 0.00675 (0.00164, 0.01825) |
| Jambi    | Lower respiratory infections                             | 1   | 41.4 (17.0, 80.1)      | 0.0002844 (0.0001168, 0.0005499) | 0.20267 (0.15334, 0.24966) | 29.5 (12.9, 57.6)    | 0.0002121 (0.0000930, 0.0004149) | 0.19634 (0.14673, 0.24469) |
| Jambi    | Malaria                                                  | 1   | 1.6 (0.3, 5.0)         | 0.0000112 (0.0000021, 0.0000340) | 0.00805 (0.00197, 0.02302) | 1.2 (0.2, 3.9)       | 0.0000085 (0.0000015, 0.0000281) | 0.00787 (0.00190, 0.02290) |
| Jambi    | Tuberculosis                                             | 1   | 6.6 (2.2, 14.7)        | 0.0000452 (0.0000148, 0.0001007) | 0.03235 (0.01714, 0.05597) | 5.0 (1.7, 11.1)      | 0.0000361 (0.0000122, 0.0000958) | 0.03335 (0.01691, 0.05832) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.3 (0.3, 3.8)         | 0.0000088 (0.0000018, 0.0000262) | 0.00624 (0.00196, 0.01549) | 0.9 (0.2, 2.6)       | 0.0000065 (0.0000014, 0.0000187) | 0.00594 (0.00182, 0.01457) |
| Jambi    | Preterm birth complications                              | 1   | 0.6 (0.1, 2.3)         | 0.0000044 (0.0000006, 0.0000157) | 0.00315 (0.00056, 0.01024) | 0.7 (0.1, 2.3)       | 0.0000049 (0.0000007, 0.0000168) | 0.00452 (0.00082, 0.01483) |
| Jambi    | Other neonatal disorders                                 | 1   | 0.4 (0.0, 3.0)         | 0.0000029 (0.0000000, 0.0000205) | 0.00203 (0.00002, 0.01445) | 0.3 (0.0, 1.9)       | 0.0000021 (0.0000000, 0.0000140) | 0.00189 (0.00002, 0.01404) |
| Jambi    | Other communicable diseases                              | 1   | 60.4 (25.1, 122.2)     | 0.0004148 (0.0001720, 0.0008389) | 0.29633 (0.22777, 0.36762) | 42.2 (18.9, 80.0)    | 0.0003041 (0.0001362, 0.0005760) | 0.28211 (0.21141, 0.35753) |
| Jambi    | Other malignant neoplasms                                | 1   | 1.0 (0.3, 2.3)         | 0.0000067 (0.0000020, 0.0000159) | 0.00474 (0.00223, 0.00866) | 0.9 (0.3, 2.1)       | 0.0000067 (0.0000023, 0.0000153) | 0.00621 (0.00304, 0.01124) |
| Jambi    | Cerebrovascular disease                                  | 1   | 0.4 (0.1, 1.0)         | 0.0000024 (0.0000006, 0.0000066) | 0.00173 (0.00054, 0.00386) | 0.4 (0.1, 1.1)       | 0.0000031 (0.0000008, 0.0000082) | 0.00291 (0.00092, 0.00621) |
| Jambi    | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.5)         | 0.0000008 (0.0000001, 0.0000037) | 0.00057 (0.00004, 0.00287) | 0.1 (0.0, 0.6)       | 0.000001 (0.0000001, 0.0000046)  | 0.00096 (0.00007, 0.00419) |
| Jambi    | Other cardiovascular and circulatory diseases            | 1   | 0.3 (0.1, 1.0)         | 0.0000022 (0.0000004, 0.0000065) | 0.00156 (0.00038, 0.00391) | 0.4 (0.1, 1.1)       | 0.0000028 (0.0000005, 0.0000079) | 0.00252 (0.00067, 0.00643) |
| Jambi    | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.5)         | 0.0000004 (0.0000000, 0.0000034) | 0.00031 (0.00000, 0.00265) | 0.1 (0.0, 0.7)       | 0.0000006 (0.0000000, 0.0000048) | 0.00058 (0.00000, 0.00456) |
| Jambi    | Chronic kidney disease                                   | 1   | 1.3 (0.4, 3.3)         | 0.0000092 (0.0000030, 0.0000225) | 0.00654 (0.00328, 0.01244) | 1.3 (0.4, 3.0)       | 0.0000093 (0.0000031, 0.0000219) | 0.00862 (0.00420, 0.01587) |
| Jambi    | Cirrhosis                                                | 1   | 1.4 (0.4, 3.8)         | 0.0000098 (0.0000026, 0.0000258) | 0.00706 (0.00261, 0.01599) | 0.8 (0.2, 2.0)       | 0.0000055 (0.0000015, 0.0000143) | 0.00513 (0.00191, 0.01198) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                             |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|-----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 |
| Jambi    | Chronic respiratory diseases                  | 1   | 4.0 (1.1, 9.1)    | 0.0000276 (0.0000079, 0.0000627) | 0.01965 (0.00886, 0.03669)  | 1.7 (0.5, 4.3)    | 0.0000125 (0.0000035, 0.0000309) | 0.01145 (0.00469, 0.02345)  |
| Jambi    | Other non-communicable diseases               | 1   | 19.9 (8.2, 39.4)  | 0.0001368 (0.0000563, 0.0002702) | 0.09763 (0.07440, 0.12219)  | 21.7 (9.6, 41.8)  | 0.0001561 (0.0000689, 0.0003013) | 0.14468 (0.11455, 0.17431)  |
| Jambi    | Drowning                                      | 1   | 11.2 (4.1, 23.3)  | 0.0000767 (0.0000284, 0.0001603) | 0.05467 (0.03351, 0.08487)  | 3.2 (1.2, 7.3)    | 0.0000233 (0.0000087, 0.0000524) | 0.02161 (0.01186, 0.03641)  |
| Jambi    | Falls                                         | 1   | 2.0 (0.6, 4.8)    | 0.0000139 (0.0000038, 0.0000332) | 0.00983 (0.00430, 0.01820)  | 0.8 (0.2, 2.0)    | 0.0000057 (0.0000015, 0.0000141) | 0.00527 (0.00203, 0.01063)  |
| Jambi    | Interpersonal violence                        | 1   | 1.1 (0.3, 2.6)    | 0.0000072 (0.0000020, 0.0000181) | 0.00512 (0.00217, 0.00982)  | 0.7 (0.2, 1.7)    | 0.0000051 (0.0000015, 0.0000125) | 0.00472 (0.00187, 0.00907)  |
| Jambi    | Transport injuries                            | 1   | 6.2 (2.1, 14.0)   | 0.0000423 (0.0000142, 0.0000960) | 0.03021 (0.01489, 0.05190)  | 1.8 (0.6, 4.2)    | 0.000013 (0.0000042, 0.0000305)  | 0.01209 (0.00555, 0.02185)  |
| Jambi    | Other unintentional injuries                  | 1   | 8.6 (3.2, 18.8)   | 0.0000588 (0.0000220, 0.0001289) | 0.04167 (0.02422, 0.06389)  | 3.3 (1.2, 7.1)    | 0.0000237 (0.0000090, 0.0000743) | 0.02188 (0.01189, 0.03616)  |
| Jambi    | Diarrheal diseases                            | 5   | 14.6 (9.4, 21.0)  | 0.0000839 (0.0000541, 0.0001204) | 0.11296 (0.07343, 0.16136)  | 14.3 (9.6, 19.5)  | 0.0000861 (0.0000583, 0.0001178) | 0.16005 (0.11027, 0.21747)  |
| Jambi    | HIV/AIDS                                      | 5   | 0.4 (0.1, 1.4)    | 0.0000025 (0.0000004, 0.0000078) | 0.00343 (0.000057, 0.01049) | 0.3 (0.1, 1.0)    | 0.0000019 (0.0000003, 0.0000058) | 0.00355 (0.000064, 0.01080) |
| Jambi    | Lower respiratory infections                  | 5   | 12.3 (8.3, 17.3)  | 0.0000708 (0.0000475, 0.0000995) | 0.09533 (0.06453, 0.13050)  | 8.8 (5.9, 12.3)   | 0.0000529 (0.0000354, 0.0000743) | 0.09833 (0.06606, 0.13674)  |
| Jambi    | Malaria                                       | 5   | 0.7 (0.2, 2.1)    | 0.0000042 (0.0000010, 0.0000122) | 0.00566 (0.00134, 0.01638)  | 0.5 (0.1, 1.6)    | 0.0000032 (0.0000008, 0.0000094) | 0.00591 (0.00146, 0.01752)  |
| Jambi    | Tuberculosis                                  | 5   | 2.8 (1.4, 5.1)    | 0.0000162 (0.0000079, 0.0000291) | 0.02183 (0.01054, 0.03842)  | 2.1 (1.0, 3.7)    | 0.0000129 (0.0000061, 0.0000226) | 0.02393 (0.01127, 0.04278)  |
| Jambi    | Other communicable diseases                   | 5   | 26.5 (20.2, 34.0) | 0.0001524 (0.0001160, 0.0001952) | 0.20524 (0.15982, 0.25681)  | 18.6 (13.7, 24.4) | 0.0001125 (0.0000827, 0.0001470) | 0.20923 (0.15674, 0.26663)  |
| Jambi    | Other malignant neoplasms                     | 5   | 4.0 (2.1, 6.8)    | 0.0000231 (0.0000119, 0.0000390) | 0.03111 (0.01620, 0.05169)  | 3.9 (2.1, 6.5)    | 0.0000238 (0.0000129, 0.0000391) | 0.04421 (0.02428, 0.07189)  |
| Jambi    | Cerebrovascular disease                       | 5   | 1.0 (0.4, 2.0)    | 0.0000057 (0.0000026, 0.0000113) | 0.00765 (0.00353, 0.01492)  | 1.2 (0.6, 2.2)    | 0.0000074 (0.0000035, 0.0000133) | 0.01378 (0.00652, 0.02501)  |
| Jambi    | Ischemic heart disease                        | 5   | 0.4 (0.1, 0.8)    | 0.0000021 (0.0000008, 0.0000047) | 0.00287 (0.00100, 0.00631)  | 0.5 (0.2, 1.0)    | 0.0000028 (0.0000010, 0.0000058) | 0.00514 (0.00184, 0.01065)  |
| Jambi    | Other cardiovascular and circulatory diseases | 5   | 1.0 (0.4, 2.1)    | 0.0000057 (0.0000021, 0.0000121) | 0.00767 (0.00287, 0.01659)  | 1.2 (0.5, 2.4)    | 0.0000071 (0.0000028, 0.0000142) | 0.01312 (0.00531, 0.02624)  |
| Jambi    | Diabetes mellitus                             | 5   | 0.5 (0.2, 1.2)    | 0.0000029 (0.0000010, 0.0000069) | 0.00391 (0.00137, 0.00909)  | 0.7 (0.3, 1.6)    | 0.0000043 (0.0000016, 0.0000099) | 0.00804 (0.00306, 0.01902)  |
| Jambi    | Chronic kidney disease                        | 5   | 1.9 (0.9, 3.4)    | 0.0000109 (0.0000052, 0.0000195) | 0.01462 (0.00709, 0.02602)  | 1.9 (0.9, 3.2)    | 0.0000112 (0.0000057, 0.0000194) | 0.0209 (0.01071, 0.03554)   |
| Jambi    | Cirrhosis                                     | 5   | 2.6 (1.2, 4.4)    | 0.0000149 (0.0000070, 0.0000253) | 0.0201 (0.00950, 0.03408)   | 1.4 (0.7, 2.5)    | 0.0000086 (0.0000041, 0.0000148) | 0.01598 (0.00754, 0.02754)  |
| Jambi    | Chronic respiratory diseases                  | 5   | 2.2 (1.0, 3.9)    | 0.0000126 (0.0000059, 0.0000223) | 0.01694 (0.00790, 0.02982)  | 0.9 (0.4, 1.8)    | 0.0000057 (0.0000025, 0.0000108) | 0.01052 (0.00471, 0.02007)  |
| Jambi    | Other non-communicable diseases               | 5   | 12.1 (8.6, 16.1)  | 0.0000694 (0.0000494, 0.0000926) | 0.09342 (0.06725, 0.12260)  | 13.3 (10.0, 17.1) | 0.0000805 (0.0000604, 0.0001033) | 0.14977 (0.11274, 0.19034)  |
| Jambi    | Drowning                                      | 5   | 24.3 (16.6, 33.1) | 0.0001396 (0.0000955, 0.0001899) | 0.18798 (0.13022, 0.24805)  | 9.9 (6.1, 14.4)   | 0.0000596 (0.0000370, 0.0000872) | 0.11072 (0.06803, 0.16062)  |
| Jambi    | Falls                                         | 5   | 2.4 (1.2, 4.3)    | 0.0000137 (0.0000066, 0.0000245) | 0.01842 (0.00911, 0.03394)  | 1.2 (0.5, 2.2)    | 0.000007 (0.0000032, 0.0000130)  | 0.01308 (0.00610, 0.02371)  |
| Jambi    | Interpersonal violence                        | 5   | 0.6 (0.2, 1.2)    | 0.0000032 (0.0000013, 0.0000068) | 0.00431 (0.00180, 0.00917)  | 0.5 (0.2, 0.9)    | 0.0000028 (0.0000012, 0.0000056) | 0.00525 (0.00228, 0.01046)  |
| Jambi    | Transport injuries                            | 5   | 13.7 (8.1, 20.5)  | 0.0000787 (0.0000468, 0.0001179) | 0.10595 (0.06372, 0.15836)  | 5.3 (2.9, 8.7)    | 0.0000323 (0.0000174, 0.0000526) | 0.06 (0.03261, 0.09608)     |
| Jambi    | Other unintentional injuries                  | 5   | 5.3 (3.1, 8.2)    | 0.0000302 (0.0000176, 0.0000470) | 0.04059 (0.02436, 0.06203)  | 2.5 (1.4, 4.1)    | 0.0000153 (0.0000084, 0.0000250) | 0.0285 (0.01579, 0.04573)   |
| Jambi    | Diarrheal diseases                            | 10  | 7.8 (4.6, 12.2)   | 0.0000456 (0.0000268, 0.0000716) | 0.06015 (0.03582, 0.09502)  | 7.2 (4.5, 10.9)   | 0.0000451 (0.0000279, 0.0000680) | 0.08633 (0.05398, 0.13103)  |
| Jambi    | HIV/AIDS                                      | 10  | 0.5 (0.1, 1.2)    | 0.0000026 (0.0000006, 0.0000071) | 0.0035 (0.00083, 0.00921)   | 0.3 (0.1, 0.8)    | 0.0000019 (0.0000004, 0.0000052) | 0.00369 (0.00084, 0.01012)  |
| Jambi    | Lower respiratory infections                  | 10  | 8.1 (4.7, 12.5)   | 0.0000477 (0.0000274, 0.0000732) | 0.06295 (0.03736, 0.09537)  | 5.4 (3.2, 8.1)    | 0.0000336 (0.0000198, 0.0000506) | 0.06421 (0.03783, 0.09516)  |
| Jambi    | Malaria                                       | 10  | 1.5 (0.5, 4.0)    | 0.000009 (0.0000027, 0.0000234)  | 0.01188 (0.00363, 0.02990)  | 1.1 (0.3, 2.7)    | 0.0000066 (0.0000019, 0.0000169) | 0.01266 (0.00370, 0.03220)  |
| Jambi    | Tuberculosis                                  | 10  | 6.6 (3.8, 10.4)   | 0.0000387 (0.0000222, 0.0000611) | 0.05112 (0.02945, 0.07734)  | 4.7 (2.8, 7.3)    | 0.0000297 (0.0000172, 0.0000457) | 0.05672 (0.03309, 0.08616)  |
| Jambi    | Maternal disorders                            | 10  |                   |                                  |                             | 0.3 (0.1, 0.8)    | 0.0000019 (0.0000004, 0.0000051) | 0.00366 (0.00067, 0.00971)  |
| Jambi    | Other communicable diseases                   | 10  | 20.9 (15.7, 27.4) | 0.0001228 (0.0000924, 0.0001611) | 0.16206 (0.12247, 0.20946)  | 13.6 (9.7, 18.1)  | 0.0000851 (0.0000606, 0.0001130) | 0.16274 (0.11845, 0.21352)  |
| Jambi    | Other malignant neoplasms                     | 10  | 6.0 (3.4, 9.1)    | 0.000035 (0.0000201, 0.0000537)  | 0.04613 (0.02712, 0.06982)  | 5.7 (3.5, 8.6)    | 0.0000359 (0.0000219, 0.0000538) | 0.06859 (0.04170, 0.10176)  |
| Jambi    | Cerebrovascular disease                       | 10  | 1.7 (0.9, 2.8)    | 0.0000097 (0.0000053, 0.0000165) | 0.01284 (0.00719, 0.02183)  | 1.9 (1.1, 3.0)    | 0.0000119 (0.0000068, 0.0000190) | 0.02281 (0.01320, 0.03653)  |
| Jambi    | Ischemic heart disease                        | 10  | 0.9 (0.5, 1.6)    | 0.0000055 (0.0000029, 0.0000096) | 0.00726 (0.00382, 0.01256)  | 1.1 (0.6, 1.8)    | 0.0000066 (0.0000035, 0.0000114) | 0.01268 (0.00685, 0.02147)  |
| Jambi    | Other cardiovascular and circulatory diseases | 10  | 1.5 (0.7, 2.9)    | 0.0000089 (0.0000042, 0.0000170) | 0.01181 (0.00562, 0.02216)  | 1.7 (0.8, 3.1)    | 0.0000107 (0.0000052, 0.0000195) | 0.02037 (0.01023, 0.03720)  |
| Jambi    | Diabetes mellitus                             | 10  | 0.7 (0.4, 1.4)    | 0.0000043 (0.0000021, 0.0000081) | 0.0057 (0.00281, 0.01058)   | 1.0 (0.5, 1.8)    | 0.0000062 (0.0000031, 0.0000114) | 0.01195 (0.00600, 0.02153)  |
| Jambi    | Chronic kidney disease                        | 10  | 2.7 (1.6, 4.2)    | 0.0000116 (0.0000093, 0.0000247) | 0.02105 (0.01254, 0.03243)  | 2.6 (1.5, 3.9)    | 0.0000161 (0.0000095, 0.0000243) | 0.03074 (0.01856, 0.04607)  |
| Jambi    | Cirrhosis                                     | 10  | 3.1 (1.7, 4.8)    | 0.000018 (0.0000101, 0.0000283)  | 0.02374 (0.01336, 0.03720)  | 1.6 (0.9, 2.5)    | 0.0000099 (0.0000053, 0.0000156) | 0.01902 (0.01046, 0.02980)  |
| Jambi    | Chronic respiratory diseases                  | 10  | 4.2 (2.4, 6.5)    | 0.0000246 (0.0000142, 0.0000382) | 0.03246 (0.01871, 0.04915)  | 1.8 (1.0, 3.1)    | 0.0000113 (0.0000060, 0.0000191) | 0.02164 (0.01158, 0.03631)  |
| Jambi    | Other non-communicable diseases               | 10  | 14.5 (10.8, 18.7) | 0.0000849 (0.0000636, 0.0001101) | 0.11211 (0.08459, 0.14200)  | 14.9 (11.6, 18.6) | 0.000093 (0.0000725, 0.0001161)  | 0.17791 (0.13907, 0.22043)  |
| Jambi    | Drowning                                      | 10  | 14.9 (9.3, 22.4)  | 0.0000875 (0.0000544, 0.0001312) | 0.11545 (0.07164, 0.16819)  | 5.0 (2.6, 8.7)    | 0.0000315 (0.0000164, 0.0000543) | 0.06021 (0.03205, 0.10293)  |
| Jambi    | Falls                                         | 10  | 2.4 (1.1, 4.8)    | 0.000014 (0.0000067, 0.0000279)  | 0.01851 (0.00871, 0.03649)  | 1.0 (0.5, 2.0)    | 0.0000065 (0.0000029, 0.0000127) | 0.01236 (0.00554, 0.02473)  |
| Jambi    | Interpersonal violence                        | 10  | 1.0 (0.5, 1.7)    | 0.0000058 (0.0000031, 0.0000101) | 0.0076 (0.00421, 0.01341)   | 0.8 (0.4, 1.3)    | 0.0000047 (0.0000025, 0.0000081) | 0.00899 (0.00475, 0.01546)  |
| Jambi    | Self-harm                                     | 10  | 1.5 (0.6, 3.2)    | 0.0000088 (0.0000036, 0.0000187) | 0.01157 (0.00491, 0.02405)  | 1.0 (0.4, 2.0)    | 0.0000062 (0.0000025, 0.0000127) | 0.01181 (0.00477, 0.02374)  |
| Jambi    | Transport injuries                            | 10  | 22.8 (16.0, 30.2) | 0.0001337 (0.0000942, 0.0001776) | 0.17647 (0.12361, 0.23408)  | 8.4 (5.1, 12.3)   | 0.0000524 (0.0000320, 0.0000766) | 0.10024 (0.06232, 0.14454)  |
| Jambi    | Other unintentional injuries                  | 10  | 5.9 (3.6, 8.8)    | 0.0000346 (0.0000212, 0.0000518) | 0.04563 (0.02884, 0.06794)  | 2.6 (1.5, 4.1)    | 0.000016 (0.0000091, 0.0000254)  | 0.03065 (0.01769, 0.04873)  |
| Jambi    | Diarrheal diseases                            | 15  | 4.9 (2.3, 8.8)    | 0.0000325 (0.0000155, 0.0000582) | 0.02599 (0.01269, 0.04445)  | 3.8 (1.9, 6.5)    | 0.0000259 (0.0000131, 0.0000444) | 0.03102 (0.01560, 0.05216)  |
| Jambi    | HIV/AIDS                                      | 15  | 0.5 (0.1, 1.5)    | 0.0000032 (0.0000006, 0.0000102) | 0.00254 (0.000051, 0.00776) | 0.3 (0.1, 0.9)    | 0.0000019 (0.0000004, 0.0000059) | 0.00225 (0.00045, 0.00706)  |
| Jambi    | Lower respiratory infections                  | 15  | 4.6 (2.3, 7.8)    | 0.0000304 (0.0000153, 0.0000513) | 0.02428 (0.01309, 0.03948)  | 2.3 (1.2, 3.9)    | 0.000016 (0.0000080, 0.0000263)  | 0.01913 (0.00987, 0.03110)  |
| Jambi    | Malaria                                       | 15  | 4.0 (1.3, 9.4)    | 0.0000264 (0.0000089, 0.0000620) | 0.02116 (0.00742, 0.04845)  | 2.3 (0.6, 5.3)    | 0.0000158 (0.0000044, 0.0000362) | 0.01891 (0.00542, 0.04426)  |
| Jambi    | Tuberculosis                                  | 15  | 13.6 (8.4, 20.4)  | 0.0000894 (0.0000554, 0.0001343) | 0.07136 (0.04715, 0.09972)  | 7.4 (4.8, 10.5)   | 0.0000501 (0.0000328, 0.0000713) | 0.06 (0.03997, 0.08396)     |
| Jambi    | Maternal disorders                            | 15  |                   |                                  |                             | 6.4 (3.9, 9.7)    | 0.0000434 (0.0000263, 0.0000658) | 0.05203 (0.03261, 0.07785)  |
| Jambi    | Other communicable diseases                   | 15  | 16.2 (9.9, 24.1)  | 0.0001069 (0.0000655, 0.0001587) | 0.08535 (0.05681, 0.11847)  | 8.6 (5.2, 12.7)   | 0.0000582 (0.0000356, 0.0000863) | 0.06978 (0.04341, 0.10032)  |
| Jambi    | Tracheal, bronchus, and lung cancer           | 15  | 1.3 (0.4, 3.2)    | 0.0000084 (0.0000025, 0.0000208) | 0.00671 (0.00209, 0.01627)  | 0.5 (0.1, 1.3)    | 0.0000035 (0.0000009, 0.0000089) | 0.00415 (0.00108, 0.01039)  |
| Jambi    | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000008) | 0.00016 (0.00001, 0.00064)  | 0.9 (0.2, 2.2)    | 0.0000058 (0.0000015, 0.0000151) | 0.00699 (0.00177, 0.01844)  |
| Jambi    | Cervical cancer                               | 15  |                   |                                  |                             | 1.0 (0.2, 2.8)    | 0.000007 (0.0000016, 0.0000193)  | 0.00833 (0.00186, 0.02252)  |
| Jambi    | Other malignant neoplasms                     | 15  | 7.3 (4.4, 11.7)   | 0.0000484 (0.0000287, 0.0000773) | 0.03865 (0.02417, 0.05812)  | 8.2 (5.1, 12.5)   | 0.0000559 (0.0000346, 0.0000853) | 0.06694 (0.04193, 0.09929)  |
| Jambi    | Cerebrovascular disease                       | 15  | 3.4 (1.9, 5.8)    | 0.0000227 (0.0000125, 0.0000385) | 0.01812 (0.01052, 0.02879)  | 3.6 (2.1, 5.6)    | 0.0000245 (0.0000140, 0.0000383) | 0.02936 (0.01730, 0.04573)  |
| Jambi    | Ischemic heart disease                        | 15  | 3.4 (1.9, 5.7)    | 0.0000223 (0.0000122, 0.0000374) | 0.01782 (0.01056, 0.02888)  | 2.9 (1.7, 4.8)    | 0.00002 (0.0000115, 0.0000324)   | 0.02398 (0.01350, 0.03781)  |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi    | Other cardiovascular and circulatory diseases | 15  | 2.6 (1.2, 5.1)    | 0.0000174 (0.0000082, 0.0000338) | 0.01389 (0.00660, 0.02534) | 3.0 (1.4, 5.7)    | 0.0000205 (0.0000096, 0.0000390) | 0.0245 (0.01160, 0.04606)  |
| Jambi    | Diabetes mellitus                             | 15  | 1.3 (0.6, 2.4)    | 0.0000083 (0.0000039, 0.0000158) | 0.00667 (0.00336, 0.01157) | 1.8 (0.9, 3.2)    | 0.0000122 (0.0000060, 0.0000217) | 0.01466 (0.00727, 0.02487) |
| Jambi    | Chronic kidney disease                        | 15  | 4.3 (2.3, 7.1)    | 0.0000283 (0.0000155, 0.0000469) | 0.02261 (0.01377, 0.03426) | 4.3 (2.5, 6.6)    | 0.0000291 (0.0000172, 0.0000449) | 0.03469 (0.02099, 0.05274) |
| Jambi    | Cirrhosis                                     | 15  | 4.1 (2.2, 6.9)    | 0.0000268 (0.0000144, 0.0000453) | 0.0214 (0.01191, 0.03321)  | 2.2 (1.2, 3.6)    | 0.0000149 (0.0000079, 0.0000247) | 0.01791 (0.00961, 0.02880) |
| Jambi    | Chronic respiratory diseases                  | 15  | 3.9 (2.1, 6.6)    | 0.0000257 (0.0000141, 0.0000432) | 0.02057 (0.01169, 0.03208) | 2.1 (1.1, 3.7)    | 0.0000146 (0.0000076, 0.0000250) | 0.01745 (0.00919, 0.02918) |
| Jambi    | Other non-communicable diseases               | 15  | 19.3 (13.2, 27.2) | 0.0001272 (0.0000872, 0.0001790) | 0.10166 (0.07797, 0.12942) | 19.0 (14.2, 24.6) | 0.0001291 (0.0000968, 0.0001670) | 0.15472 (0.11856, 0.19606) |
| Jambi    | Drowning                                      | 15  | 9.3 (5.0, 16.0)   | 0.0000613 (0.0000331, 0.0001053) | 0.04904 (0.02838, 0.08384) | 3.0 (1.5, 5.7)    | 0.0000204 (0.0000101, 0.0000387) | 0.02446 (0.01213, 0.04731) |
| Jambi    | Falls                                         | 15  | 2.5 (1.2, 4.7)    | 0.0000163 (0.0000081, 0.0000308) | 0.01304 (0.00686, 0.02377) | 1.1 (0.5, 2.1)    | 0.0000074 (0.0000035, 0.0000145) | 0.00887 (0.00421, 0.01756) |
| Jambi    | Interpersonal violence                        | 15  | 2.5 (1.4, 4.2)    | 0.0000168 (0.0000095, 0.0000277) | 0.0134 (0.00818, 0.02124)  | 2.0 (1.1, 3.5)    | 0.0000139 (0.0000074, 0.0000237) | 0.0166 (0.00904, 0.02790)  |
| Jambi    | Self-harm                                     | 15  | 3.3 (1.6, 6.0)    | 0.0000217 (0.0000105, 0.0000397) | 0.01734 (0.00886, 0.02933) | 2.3 (1.0, 4.3)    | 0.0000155 (0.0000071, 0.0000291) | 0.01857 (0.00869, 0.03399) |
| Jambi    | Transport injuries                            | 15  | 67.8 (50.8, 87.7) | 0.0004466 (0.0003348, 0.0005774) | 0.35706 (0.30171, 0.40969) | 29.4 (22.3, 37.9) | 0.0001998 (0.0001520, 0.0002578) | 0.23938 (0.18521, 0.29700) |
| Jambi    | Other unintentional injuries                  | 15  | 9.7 (5.9, 14.6)   | 0.000064 (0.0000391, 0.0000960)  | 0.05119 (0.03403, 0.07342) | 4.3 (2.4, 6.8)    | 0.0000295 (0.0000165, 0.0000466) | 0.03534 (0.02022, 0.05437) |
| Jambi    | Diarrheal diseases                            | 20  | 5.7 (2.7, 10.2)   | 0.0000369 (0.0000179, 0.0000664) | 0.02276 (0.01086, 0.03863) | 3.5 (1.6, 5.9)    | 0.0000228 (0.0000108, 0.0000390) | 0.0217 (0.01077, 0.03675)  |
| Jambi    | HIV/AIDS                                      | 20  | 2.0 (0.5, 5.0)    | 0.0000128 (0.0000032, 0.0000328) | 0.00793 (0.00192, 0.02137) | 0.9 (0.2, 2.4)    | 0.0000057 (0.0000012, 0.0000158) | 0.00545 (0.00117, 0.01471) |
| Jambi    | Lower respiratory infections                  | 20  | 5.4 (2.5, 9.5)    | 0.0000352 (0.0000166, 0.0000619) | 0.02166 (0.01073, 0.03582) | 1.9 (0.9, 3.2)    | 0.0000127 (0.0000061, 0.0000219) | 0.01208 (0.00592, 0.02032) |
| Jambi    | Malaria                                       | 20  | 5.8 (1.9, 13.5)   | 0.000038 (0.0000125, 0.0000882)  | 0.02348 (0.00790, 0.05331) | 2.7 (0.8, 6.2)    | 0.0000175 (0.0000051, 0.0000408) | 0.01662 (0.00485, 0.03819) |
| Jambi    | Tuberculosis                                  | 20  | 32.9 (21.6, 48.7) | 0.0002149 (0.0001408, 0.0003177) | 0.13226 (0.09548, 0.16941) | 12.2 (7.9, 17.1)  | 0.0000797 (0.0000516, 0.0001120) | 0.07567 (0.05179, 0.10266) |
| Jambi    | Maternal disorders                            | 20  |                   |                                  |                            | 19.4 (13.7, 25.9) | 0.000127 (0.0000898, 0.0001698)  | 0.1206 (0.08852, 0.15709)  |
| Jambi    | Other communicable diseases                   | 20  | 23.9 (15.0, 34.8) | 0.000156 (0.0000976, 0.0002273)  | 0.09619 (0.06452, 0.13098) | 10.1 (6.3, 14.3)  | 0.0000662 (0.0000413, 0.0000939) | 0.06292 (0.03921, 0.08882) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 20  | 1.1 (0.3, 3.0)    | 0.0000075 (0.0000019, 0.0000196) | 0.00461 (0.00123, 0.01163) | 1.0 (0.3, 2.2)    | 0.0000063 (0.0000019, 0.0000147) | 0.00598 (0.00193, 0.01354) |
| Jambi    | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000003 (0.0000001, 0.0000010) | 0.00019 (0.00003, 0.00058) | 3.0 (1.1, 6.1)    | 0.00002 (0.0000074, 0.0000400)   | 0.01897 (0.00713, 0.03795) |
| Jambi    | Cervical cancer                               | 20  |                   |                                  |                            | 2.9 (0.8, 6.6)    | 0.0000189 (0.0000054, 0.0000431) | 0.01789 (0.00510, 0.04122) |
| Jambi    | Other malignant neoplasms                     | 20  | 8.0 (4.6, 12.9)   | 0.000052 (0.0000298, 0.0000841)  | 0.03202 (0.01903, 0.04887) | 10.8 (6.3, 16.7)  | 0.000071 (0.0000412, 0.0001098)  | 0.06736 (0.04005, 0.10150) |
| Jambi    | Cerebrovascular disease                       | 20  | 7.5 (4.8, 11.8)   | 0.0000491 (0.0000315, 0.0000771) | 0.03022 (0.02071, 0.04256) | 6.8 (4.4, 9.8)    | 0.0000448 (0.0000291, 0.0000640) | 0.04249 (0.02852, 0.05996) |
| Jambi    | Ischemic heart disease                        | 20  | 7.2 (4.2, 11.4)   | 0.0000468 (0.0000272, 0.0000744) | 0.0288 (0.01837, 0.04297)  | 4.3 (2.6, 6.7)    | 0.000028 (0.0000168, 0.0000438)  | 0.0266 (0.01644, 0.04032)  |
| Jambi    | Other cardiovascular and circulatory diseases | 20  | 4.7 (2.4, 8.1)    | 0.0000305 (0.0000155, 0.0000529) | 0.01877 (0.01019, 0.03101) | 5.2 (2.8, 8.8)    | 0.0000344 (0.0000186, 0.0000578) | 0.03261 (0.01891, 0.05406) |
| Jambi    | Diabetes mellitus                             | 20  | 1.4 (0.7, 2.5)    | 0.0000091 (0.0000046, 0.0000160) | 0.0056 (0.00312, 0.00900)  | 2.0 (1.1, 3.3)    | 0.000013 (0.0000069, 0.0000213)  | 0.01235 (0.00688, 0.01960) |
| Jambi    | Chronic kidney disease                        | 20  | 7.6 (4.6, 11.7)   | 0.0000495 (0.0000298, 0.0000764) | 0.03053 (0.01931, 0.04373) | 7.5 (4.7, 10.9)   | 0.0000493 (0.0000309, 0.0000712) | 0.0468 (0.03051, 0.06621)  |
| Jambi    | Cirrhosis                                     | 20  | 7.5 (4.0, 12.5)   | 0.0000486 (0.0000258, 0.0000817) | 0.02991 (0.01698, 0.04471) | 4.1 (2.2, 6.6)    | 0.0000267 (0.0000142, 0.0000431) | 0.0253 (0.01381, 0.03972)  |
| Jambi    | Chronic respiratory diseases                  | 20  | 9.5 (5.5, 15.1)   | 0.0000622 (0.0000362, 0.0000982) | 0.03837 (0.02400, 0.05606) | 6.6 (3.9, 10.4)   | 0.0000434 (0.0000258, 0.0000681) | 0.04114 (0.02502, 0.06282) |
| Jambi    | Other non-communicable diseases               | 20  | 21.5 (15.2, 31.5) | 0.0001403 (0.0000991, 0.0002056) | 0.08637 (0.06391, 0.11157) | 19.7 (14.3, 26.2) | 0.0001291 (0.0000936, 0.0001721) | 0.12254 (0.09124, 0.15680) |
| Jambi    | Drowning                                      | 20  | 8.0 (4.0, 15.3)   | 0.0000525 (0.0000262, 0.0000998) | 0.0323 (0.01684, 0.05973)  | 2.2 (1.0, 4.6)    | 0.0000147 (0.0000066, 0.0000301) | 0.01398 (0.00635, 0.02791) |
| Jambi    | Falls                                         | 20  | 2.9 (1.3, 5.5)    | 0.0000187 (0.0000084, 0.0000361) | 0.0115 (0.00557, 0.02176)  | 1.1 (0.5, 2.3)    | 0.0000072 (0.0000031, 0.0000149) | 0.00684 (0.00294, 0.01392) |
| Jambi    | Interpersonal violence                        | 20  | 3.5 (2.0, 5.8)    | 0.0000229 (0.0000130, 0.0000380) | 0.01409 (0.00855, 0.02236) | 2.4 (1.3, 4.3)    | 0.0000159 (0.0000084, 0.0000279) | 0.01507 (0.00830, 0.02629) |
| Jambi    | Self-harm                                     | 20  | 3.9 (1.9, 7.1)    | 0.0000254 (0.0000127, 0.0000466) | 0.0156 (0.00808, 0.02636)  | 2.3 (1.0, 4.4)    | 0.0000152 (0.0000068, 0.0000291) | 0.01442 (0.00641, 0.02655) |
| Jambi    | Transport injuries                            | 20  | 66.2 (48.2, 92.0) | 0.0004322 (0.0003142, 0.0006002) | 0.26638 (0.21611, 0.31665) | 23.2 (16.3, 32.0) | 0.0001521 (0.0001067, 0.0002102) | 0.14434 (0.10402, 0.18883) |
| Jambi    | Other unintentional injuries                  | 20  | 12.6 (7.8, 19.3)  | 0.0000819 (0.0000507, 0.0001260) | 0.05047 (0.03258, 0.07275) | 4.9 (2.6, 8.0)    | 0.000032 (0.0000173, 0.0000523)  | 0.03028 (0.01685, 0.04796) |
| Jambi    | Diarrheal diseases                            | 25  | 9.0 (4.7, 16.1)   | 0.0000552 (0.0000284, 0.0000981) | 0.02891 (0.01560, 0.04931) | 7.3 (3.8, 12.2)   | 0.000044 (0.0000230, 0.0000734)  | 0.03379 (0.01869, 0.05457) |
| Jambi    | HIV/AIDS                                      | 25  | 4.1 (1.2, 10.2)   | 0.0000252 (0.0000074, 0.0000624) | 0.01327 (0.00383, 0.03428) | 2.4 (0.6, 6.3)    | 0.0000146 (0.0000039, 0.0000381) | 0.01124 (0.00294, 0.02865) |
| Jambi    | Lower respiratory infections                  | 25  | 6.5 (3.0, 11.2)   | 0.0000395 (0.0000185, 0.0000684) | 0.02069 (0.01033, 0.03563) | 3.0 (1.5, 5.3)    | 0.0000181 (0.0000093, 0.0000317) | 0.01407 (0.00712, 0.02314) |
| Jambi    | Malaria                                       | 25  | 7.0 (2.5, 16.2)   | 0.0000425 (0.0000152, 0.0000990) | 0.02227 (0.00795, 0.05070) | 4.0 (1.3, 9.5)    | 0.0000244 (0.0000077, 0.0000575) | 0.01865 (0.00569, 0.04321) |
| Jambi    | Tuberculosis                                  | 25  | 51.2 (36.3, 69.5) | 0.0003128 (0.0002219, 0.0004246) | 0.1637 (0.12271, 0.20449)  | 23.6 (15.7, 32.9) | 0.0001426 (0.0000948, 0.0001987) | 0.10911 (0.07930, 0.14244) |
| Jambi    | Maternal disorders                            | 25  |                   |                                  |                            | 15.7 (10.1, 22.9) | 0.0000945 (0.0000612, 0.0001385) | 0.07235 (0.05121, 0.09815) |
| Jambi    | Other communicable diseases                   | 25  | 28.7 (18.8, 40.6) | 0.0001753 (0.0001146, 0.0002477) | 0.09184 (0.06247, 0.12558) | 16.1 (9.9, 23.9)  | 0.000097 (0.0000599, 0.0001441)  | 0.07435 (0.04914, 0.10275) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 25  | 1.5 (0.4, 3.8)    | 0.0000094 (0.0000023, 0.0000230) | 0.00495 (0.00127, 0.01215) | 1.5 (0.5, 3.4)    | 0.0000092 (0.0000031, 0.0000205) | 0.00703 (0.00240, 0.01543) |
| Jambi    | Breast cancer                                 | 25  | 0.1 (0.0, 0.2)    | 0.0000003 (0.0000001, 0.0000010) | 0.00017 (0.00004, 0.00050) | 7.5 (3.1, 13.7)   | 0.000045 (0.0000189, 0.0000829)  | 0.03443 (0.01539, 0.05999) |
| Jambi    | Cervical cancer                               | 25  |                   |                                  |                            | 5.5 (1.8, 11.1)   | 0.0000329 (0.0000108, 0.0000669) | 0.02517 (0.00891, 0.04892) |
| Jambi    | Other malignant neoplasms                     | 25  | 11.9 (7.1, 19.1)  | 0.0000729 (0.0000432, 0.0001165) | 0.03818 (0.02421, 0.05589) | 14.2 (8.0, 22.6)  | 0.000086 (0.0000485, 0.0001364)  | 0.0658 (0.03946, 0.09983)  |
| Jambi    | Cerebrovascular disease                       | 25  | 15.5 (10.7, 22.0) | 0.0000946 (0.0000656, 0.0001345) | 0.04954 (0.03608, 0.06541) | 13.6 (9.0, 19.3)  | 0.0000821 (0.0000543, 0.0001163) | 0.06282 (0.04640, 0.08245) |
| Jambi    | Ischemic heart disease                        | 25  | 15.8 (10.4, 23.0) | 0.0000965 (0.0000634, 0.0001402) | 0.05052 (0.03476, 0.06907) | 8.5 (5.3, 13.0)   | 0.0000511 (0.0000318, 0.0000785) | 0.03913 (0.02611, 0.05560) |
| Jambi    | Other cardiovascular and circulatory diseases | 25  | 7.1 (3.9, 11.6)   | 0.0000433 (0.0000240, 0.0000710) | 0.02264 (0.01324, 0.03564) | 7.9 (4.4, 13.3)   | 0.0000479 (0.0000265, 0.0000803) | 0.03664 (0.02205, 0.05746) |
| Jambi    | Diabetes mellitus                             | 25  | 2.7 (1.6, 4.3)    | 0.0000164 (0.0000097, 0.0000264) | 0.0086 (0.00537, 0.01286)  | 3.7 (2.1, 5.8)    | 0.0000224 (0.0000127, 0.0000350) | 0.01714 (0.01080, 0.02558) |
| Jambi    | Chronic kidney disease                        | 25  | 9.8 (6.3, 14.3)   | 0.0000599 (0.0000384, 0.0000871) | 0.03143 (0.02087, 0.04377) | 9.4 (6.1, 13.7)   | 0.0000566 (0.0000367, 0.0000825) | 0.04332 (0.03002, 0.05862) |
| Jambi    | Cirrhosis                                     | 25  | 11.8 (6.9, 18.0)  | 0.0000723 (0.0000423, 0.0001099) | 0.03786 (0.02293, 0.05400) | 6.4 (3.5, 10.2)   | 0.0000387 (0.0000209, 0.0000615) | 0.0296 (0.01770, 0.04432)  |
| Jambi    | Chronic respiratory diseases                  | 25  | 13.4 (8.2, 19.7)  | 0.0000816 (0.0000500, 0.0001201) | 0.0428 (0.02801, 0.06107)  | 9.7 (5.7, 15.2)   | 0.0000584 (0.0000344, 0.0000915) | 0.04464 (0.02843, 0.06624) |
| Jambi    | Other non-communicable diseases               | 25  | 28.8 (21.1, 40.0) | 0.0001759 (0.0001286, 0.0002442) | 0.09215 (0.07047, 0.11604) | 26.0 (18.0, 35.5) | 0.0001569 (0.0001090, 0.0002142) | 0.12011 (0.09125, 0.15040) |
| Jambi    | Drowning                                      | 25  | 6.1 (2.8, 11.7)   | 0.000037 (0.0000171, 0.0000716)  | 0.01937 (0.00927, 0.03692) | 1.7 (0.7, 3.4)    | 0.0000101 (0.0000043, 0.0000208) | 0.00772 (0.00351, 0.01524) |
| Jambi    | Falls                                         | 25  | 4.6 (2.2, 8.5)    | 0.000028 (0.0000135, 0.0000522)  | 0.01471 (0.00738, 0.02682) | 1.7 (0.8, 3.4)    | 0.0000105 (0.0000046, 0.0000202) | 0.00801 (0.00370, 0.01480) |
| Jambi    | Interpersonal violence                        | 25  | 3.9 (2.3, 6.3)    | 0.0000239 (0.0000140, 0.0000384) | 0.01255 (0.00751, 0.01990) | 2.5 (1.3, 4.3)    | 0.0000152 (0.0000077, 0.0000259) | 0.0116 (0.00593, 0.01894)  |
| Jambi    | Self-harm                                     | 25  | 4.0 (2.0, 7.1)    | 0.0000245 (0.0000122, 0.0000432) | 0.01281 (0.00659, 0.02106) | 2.2 (1.0, 4.3)    | 0.0000132 (0.0000058, 0.0000257) | 0.01011 (0.00462, 0.01844) |
| Jambi    | Transport injuries                            | 25  | 52.4 (37.2, 71.2) | 0.0003197 (0.0002270, 0.0004350) | 0.16751 (0.12577, 0.21222) | 16.2 (10.0, 24.7) | 0.0000976 (0.0000603, 0.0001489) | 0.07468 (0.04989, 0.10462) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi    | Other unintentional injuries                  | 25  | 16.7 (10.5, 25.0) | 0.0001021 (0.0000641, 0.0001527) | 0.05354 (0.03399, 0.07675) | 6.2 (3.3, 10.2)   | 0.0000373 (0.0000201, 0.0000614) | 0.02848 (0.01614, 0.04391) |
| Jambi    | Diarrheal diseases                            | 30  | 9.6 (5.1, 15.8)   | 0.0000626 (0.0000330, 0.0001033) | 0.02929 (0.01570, 0.04762) | 8.3 (4.4, 13.6)   | 0.0000579 (0.0000310, 0.0000953) | 0.03466 (0.01955, 0.05402) |
| Jambi    | HIV/AIDS                                      | 30  | 4.1 (1.1, 10.7)   | 0.0000267 (0.0000073, 0.0000695) | 0.01256 (0.00345, 0.03330) | 2.6 (0.7, 6.7)    | 0.0000184 (0.0000049, 0.0000472) | 0.011 (0.00295, 0.02870)   |
| Jambi    | Lower respiratory infections                  | 30  | 6.0 (2.9, 10.4)   | 0.0000389 (0.0000188, 0.0000675) | 0.01819 (0.00908, 0.03138) | 3.1 (1.5, 5.5)    | 0.0000218 (0.0000106, 0.0000387) | 0.01303 (0.00659, 0.02182) |
| Jambi    | Malaria                                       | 30  | 5.6 (2.0, 12.7)   | 0.0000368 (0.0000129, 0.0000825) | 0.01725 (0.00610, 0.03839) | 3.3 (1.0, 7.7)    | 0.0000229 (0.0000071, 0.0000541) | 0.01364 (0.00443, 0.03194) |
| Jambi    | Tuberculosis                                  | 30  | 50.9 (36.0, 70.0) | 0.0003318 (0.0002349, 0.0004566) | 0.15513 (0.11550, 0.19278) | 23.8 (15.3, 33.4) | 0.0001668 (0.0001070, 0.0002339) | 0.09958 (0.07120, 0.12742) |
| Jambi    | Maternal disorders                            | 30  |                   |                                  |                            | 13.5 (8.6, 19.8)  | 0.0000947 (0.0000599, 0.0001388) | 0.05655 (0.03960, 0.07597) |
| Jambi    | Other communicable diseases                   | 30  | 19.3 (11.7, 28.8) | 0.0001258 (0.0000764, 0.0001878) | 0.05892 (0.03730, 0.08650) | 11.8 (6.6, 18.3)  | 0.0000825 (0.0000465, 0.0001282) | 0.04928 (0.03031, 0.07157) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 30  | 3.4 (1.0, 7.8)    | 0.000022 (0.0000065, 0.0000509)  | 0.0103 (0.00307, 0.02401)  | 1.7 (0.7, 3.8)    | 0.0000121 (0.0000046, 0.0000268) | 0.00726 (0.00270, 0.01518) |
| Jambi    | Breast cancer                                 | 30  | 0.1 (0.0, 0.2)    | 0.0000004 (0.0000001, 0.0000013) | 0.00017 (0.00003, 0.00063) | 11.6 (5.2, 20.9)  | 0.0000814 (0.0000361, 0.0001460) | 0.04859 (0.02362, 0.07966) |
| Jambi    | Cervical cancer                               | 30  |                   |                                  |                            | 8.2 (3.0, 16.0)   | 0.0000575 (0.0000209, 0.0001121) | 0.03429 (0.01358, 0.06309) |
| Jambi    | Other malignant neoplasms                     | 30  | 14.4 (8.9, 22.5)  | 0.000094 (0.0000581, 0.0001466)  | 0.04394 (0.02762, 0.06522) | 14.7 (8.0, 24.5)  | 0.0001031 (0.0000563, 0.0001712) | 0.06157 (0.03597, 0.09609) |
| Jambi    | Cerebrovascular disease                       | 30  | 25.4 (18.4, 34.9) | 0.0001659 (0.0001202, 0.0002274) | 0.07764 (0.05827, 0.09980) | 22.3 (15.1, 31.0) | 0.0001563 (0.0001061, 0.0002172) | 0.09336 (0.07139, 0.11728) |
| Jambi    | Ischemic heart disease                        | 30  | 25.3 (17.3, 34.9) | 0.0001649 (0.0001131, 0.0002276) | 0.07715 (0.05532, 0.10230) | 12.6 (7.9, 19.1)  | 0.0000884 (0.0000555, 0.0001334) | 0.05283 (0.03640, 0.07239) |
| Jambi    | Other cardiovascular and circulatory diseases | 30  | 8.8 (4.9, 14.1)   | 0.0000571 (0.0000319, 0.0000917) | 0.02671 (0.01535, 0.04125) | 9.9 (5.3, 16.0)   | 0.0000692 (0.0000369, 0.0001124) | 0.04129 (0.02442, 0.06303) |
| Jambi    | Diabetes mellitus                             | 30  | 4.5 (2.8, 6.9)    | 0.0000296 (0.0000184, 0.0000450) | 0.01384 (0.00907, 0.02005) | 6.1 (3.6, 9.2)    | 0.0000426 (0.0000252, 0.0000643) | 0.02545 (0.01704, 0.03585) |
| Jambi    | Chronic kidney disease                        | 30  | 11.0 (7.3, 15.5)  | 0.0000714 (0.0000477, 0.0001013) | 0.03344 (0.02282, 0.04563) | 10.0 (6.5, 15.0)  | 0.0000703 (0.0000453, 0.0001050) | 0.04196 (0.02910, 0.05727) |
| Jambi    | Cirrhosis                                     | 30  | 15.8 (9.5, 23.4)  | 0.0001029 (0.0000622, 0.0001523) | 0.04814 (0.02952, 0.06750) | 8.7 (4.7, 13.6)   | 0.0000609 (0.0000332, 0.0000955) | 0.03634 (0.02214, 0.05309) |
| Jambi    | Chronic respiratory diseases                  | 30  | 13.3 (8.1, 19.8)  | 0.0000865 (0.0000527, 0.0001288) | 0.04048 (0.02594, 0.05967) | 10.1 (6.0, 15.8)  | 0.0000704 (0.0000421, 0.0001108) | 0.04202 (0.02740, 0.06148) |
| Jambi    | Other non-communicable diseases               | 30  | 30.8 (22.3, 43.0) | 0.000201 (0.0001457, 0.0002802)  | 0.09403 (0.07088, 0.11754) | 28.0 (19.1, 39.1) | 0.0001961 (0.0001334, 0.0002737) | 0.11708 (0.09070, 0.14571) |
| Jambi    | Drowning                                      | 30  | 6.8 (3.2, 13.2)   | 0.0000441 (0.0000211, 0.0000858) | 0.02063 (0.00992, 0.03917) | 2.2 (0.9, 4.4)    | 0.0000153 (0.0000066, 0.0000307) | 0.00911 (0.00415, 0.01790) |
| Jambi    | Falls                                         | 30  | 5.5 (2.7, 9.8)    | 0.0000358 (0.0000176, 0.0000637) | 0.01677 (0.00828, 0.02995) | 2.3 (1.0, 4.5)    | 0.0000162 (0.0000070, 0.0000318) | 0.00965 (0.00460, 0.01802) |
| Jambi    | Interpersonal violence                        | 30  | 3.1 (1.7, 5.0)    | 0.0000202 (0.0000113, 0.0000329) | 0.00945 (0.00544, 0.01477) | 1.9 (0.9, 3.5)    | 0.0000136 (0.0000065, 0.0000243) | 0.00811 (0.00427, 0.01373) |
| Jambi    | Self-harm                                     | 30  | 3.1 (1.6, 5.6)    | 0.0000202 (0.0000101, 0.0000363) | 0.00947 (0.00479, 0.01593) | 1.6 (0.7, 3.1)    | 0.0000114 (0.0000049, 0.0000220) | 0.00678 (0.00313, 0.01227) |
| Jambi    | Transport injuries                            | 30  | 45.6 (31.8, 63.8) | 0.0002973 (0.0002072, 0.0004161) | 0.13916 (0.09945, 0.17931) | 14.8 (9.1, 22.8)  | 0.0001037 (0.0000639, 0.0001593) | 0.06187 (0.04056, 0.08757) |
| Jambi    | Other unintentional injuries                  | 30  | 15.5 (9.5, 23.7)  | 0.0001011 (0.0000616, 0.0001547) | 0.04733 (0.02994, 0.06936) | 5.9 (3.1, 9.9)    | 0.0000415 (0.0000215, 0.0000696) | 0.02469 (0.01364, 0.03814) |
| Jambi    | Diarrheal diseases                            | 35  | 8.4 (4.4, 13.7)   | 0.0000621 (0.0000325, 0.0001017) | 0.02249 (0.01208, 0.03736) | 9.5 (4.9, 15.4)   | 0.0000761 (0.0000395, 0.0001235) | 0.0305 (0.01707, 0.04755)  |
| Jambi    | HIV/AIDS                                      | 35  | 3.5 (1.0, 9.3)    | 0.0000261 (0.0000071, 0.0000687) | 0.00946 (0.00260, 0.02531) | 2.8 (0.8, 6.9)    | 0.0000222 (0.0000060, 0.0000556) | 0.00889 (0.00243, 0.02341) |
| Jambi    | Lower respiratory infections                  | 35  | 6.0 (3.0, 10.4)   | 0.0000448 (0.0000222, 0.0000772) | 0.01622 (0.00821, 0.02705) | 4.2 (2.1, 7.3)    | 0.0000338 (0.0000166, 0.0000585) | 0.01354 (0.00707, 0.02259) |
| Jambi    | Malaria                                       | 35  | 5.0 (1.7, 11.6)   | 0.0000372 (0.0000124, 0.0000859) | 0.01347 (0.00455, 0.03026) | 3.5 (1.0, 8.3)    | 0.0000277 (0.0000082, 0.0000669) | 0.01107 (0.00339, 0.02697) |
| Jambi    | Tuberculosis                                  | 35  | 51.8 (37.2, 69.9) | 0.0003844 (0.0002762, 0.0005184) | 0.13908 (0.10582, 0.17467) | 29.3 (19.1, 42.2) | 0.000235 (0.0001532, 0.0003386)  | 0.09393 (0.06742, 0.12148) |
| Jambi    | Maternal disorders                            | 35  |                   |                                  |                            | 10.0 (6.3, 15.0)  | 0.0000805 (0.0000506, 0.0001200) | 0.03221 (0.02192, 0.04596) |
| Jambi    | Other communicable diseases                   | 35  | 17.0 (10.1, 25.6) | 0.0001265 (0.0000751, 0.0001902) | 0.04581 (0.02819, 0.06744) | 14.1 (8.0, 21.3)  | 0.0001128 (0.0000643, 0.0001710) | 0.04513 (0.02812, 0.06569) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 35  | 2.8 (0.8, 6.4)    | 0.0000021 (0.0000060, 0.0000478) | 0.0076 (0.00224, 0.01756)  | 2.4 (0.9, 5.2)    | 0.0000195 (0.0000073, 0.0000418) | 0.00781 (0.00312, 0.01601) |
| Jambi    | Breast cancer                                 | 35  | 0.1 (0.0, 0.4)    | 0.0000009 (0.0000001, 0.0000029) | 0.00032 (0.00005, 0.00108) | 17.8 (8.1, 32.0)  | 0.0001429 (0.0000648, 0.0002563) | 0.05706 (0.02725, 0.09066) |
| Jambi    | Cervical cancer                               | 35  |                   |                                  |                            | 13.5 (5.5, 25.4)  | 0.0001079 (0.0000440, 0.0002038) | 0.04307 (0.01854, 0.07836) |
| Jambi    | Other malignant neoplasms                     | 35  | 22.6 (14.2, 35.2) | 0.0001679 (0.0001051, 0.0002612) | 0.06077 (0.04006, 0.08693) | 17.3 (9.4, 29.1)  | 0.0001385 (0.0000751, 0.0002335) | 0.05534 (0.03099, 0.08737) |
| Jambi    | Cerebrovascular disease                       | 35  | 41.5 (31.5, 55.2) | 0.0003078 (0.0002339, 0.0004098) | 0.11148 (0.08773, 0.13951) | 40.2 (28.1, 55.5) | 0.0003224 (0.0002248, 0.0004445) | 0.12894 (0.10236, 0.15832) |
| Jambi    | Ischemic heart disease                        | 35  | 35.7 (25.3, 48.4) | 0.0002652 (0.0001874, 0.0003591) | 0.09598 (0.07118, 0.12381) | 20.5 (13.2, 30.2) | 0.0001641 (0.0001061, 0.0002421) | 0.06567 (0.04654, 0.08761) |
| Jambi    | Other cardiovascular and circulatory diseases | 35  | 12.0 (6.9, 19.0)  | 0.0000893 (0.0000515, 0.0001410) | 0.03233 (0.01915, 0.04793) | 14.0 (7.7, 22.7)  | 0.0001124 (0.0000618, 0.0001817) | 0.0449 (0.02719, 0.06621)  |
| Jambi    | Diabetes mellitus                             | 35  | 8.9 (5.7, 13.0)   | 0.0000661 (0.0000423, 0.0000967) | 0.02393 (0.01632, 0.03385) | 12.2 (7.5, 18.5)  | 0.000098 (0.0000604, 0.0001481)  | 0.03921 (0.02677, 0.05487) |
| Jambi    | Chronic kidney disease                        | 35  | 13.6 (9.3, 19.1)  | 0.000101 (0.0000689, 0.0001420)  | 0.0366 (0.02581, 0.04895)  | 12.6 (8.3, 18.5)  | 0.0001007 (0.0000662, 0.0001484) | 0.04027 (0.02869, 0.05452) |
| Jambi    | Cirrhosis                                     | 35  | 20.6 (12.4, 29.7) | 0.0001525 (0.0000920, 0.0002207) | 0.05521 (0.03481, 0.07659) | 12.3 (7.0, 19.3)  | 0.0000987 (0.0000565, 0.0001549) | 0.03944 (0.02511, 0.05662) |
| Jambi    | Chronic respiratory diseases                  | 35  | 17.6 (11.2, 25.9) | 0.0001307 (0.0000828, 0.0001918) | 0.04735 (0.03081, 0.06745) | 12.6 (7.7, 19.9)  | 0.0001007 (0.0000616, 0.0001598) | 0.04023 (0.02632, 0.05833) |
| Jambi    | Other non-communicable diseases               | 35  | 33.7 (24.5, 45.4) | 0.00025 (0.0001817, 0.0003369)   | 0.09049 (0.06830, 0.11312) | 32.9 (22.3, 46.1) | 0.0002636 (0.0001785, 0.0003698) | 0.10539 (0.08006, 0.13233) |
| Jambi    | Drowning                                      | 35  | 8.3 (4.0, 15.7)   | 0.0000618 (0.0000299, 0.0001164) | 0.02233 (0.01099, 0.04125) | 3.6 (1.6, 7.0)    | 0.0000288 (0.0000126, 0.0000558) | 0.01153 (0.00518, 0.02253) |
| Jambi    | Falls                                         | 35  | 5.5 (2.7, 9.8)    | 0.0000407 (0.0000201, 0.0000726) | 0.01477 (0.00724, 0.02682) | 2.9 (1.3, 5.7)    | 0.0000234 (0.0000103, 0.0000453) | 0.00936 (0.00435, 0.01702) |
| Jambi    | Interpersonal violence                        | 35  | 2.7 (1.5, 4.4)    | 0.00002 (0.0000114, 0.0000325)   | 0.00725 (0.00428, 0.01165) | 1.8 (0.9, 3.1)    | 0.0000144 (0.0000068, 0.0000249) | 0.00575 (0.00295, 0.00973) |
| Jambi    | Self-harm                                     | 35  | 2.9 (1.4, 5.2)    | 0.0000216 (0.0000105, 0.0000384) | 0.00782 (0.00387, 0.01333) | 1.6 (0.7, 3.0)    | 0.0000126 (0.0000054, 0.0000243) | 0.00502 (0.00228, 0.00902) |
| Jambi    | Transport injuries                            | 35  | 37.1 (24.9, 53.1) | 0.0002755 (0.0001845, 0.0003939) | 0.09981 (0.06914, 0.13644) | 14.1 (8.2, 22.4)  | 0.0001132 (0.0000654, 0.0001797) | 0.04526 (0.02819, 0.06651) |
| Jambi    | Other unintentional injuries                  | 35  | 14.7 (8.8, 22.4)  | 0.0001089 (0.0000656, 0.0001659) | 0.03943 (0.02382, 0.05754) | 6.4 (3.4, 10.6)   | 0.0000513 (0.0000276, 0.0000850) | 0.02047 (0.01153, 0.03110) |
| Jambi    | Diarrheal diseases                            | 40  | 9.0 (4.8, 14.5)   | 0.0000807 (0.0000434, 0.0001303) | 0.0203 (0.01115, 0.03226)  | 11.4 (6.4, 17.6)  | 0.0001111 (0.0000625, 0.0001720) | 0.03085 (0.01846, 0.04627) |
| Jambi    | HIV/AIDS                                      | 40  | 1.8 (0.4, 4.6)    | 0.0000159 (0.0000040, 0.0000417) | 0.00399 (0.00105, 0.01079) | 1.5 (0.4, 4.1)    | 0.0000149 (0.0000035, 0.0000400) | 0.00413 (0.00103, 0.01099) |
| Jambi    | Lower respiratory infections                  | 40  | 5.6 (2.8, 9.7)    | 0.0000504 (0.0000248, 0.0000875) | 0.01265 (0.00651, 0.02116) | 4.7 (2.3, 8.2)    | 0.0000458 (0.0000220, 0.0000801) | 0.01273 (0.00663, 0.02160) |
| Jambi    | Malaria                                       | 40  | 5.0 (1.7, 11.4)   | 0.0000455 (0.0000155, 0.0001025) | 0.01144 (0.00384, 0.02581) | 3.5 (1.1, 8.4)    | 0.000034 (0.0000105, 0.0000816)  | 0.00942 (0.00300, 0.02259) |
| Jambi    | Tuberculosis                                  | 40  | 45.7 (32.6, 62.5) | 0.0004119 (0.0002939, 0.0005636) | 0.10339 (0.07700, 0.12918) | 27.5 (17.6, 39.4) | 0.0002688 (0.0001725, 0.0003856) | 0.07443 (0.05262, 0.09680) |
| Jambi    | Maternal disorders                            | 40  |                   |                                  |                            | 2.3 (1.3, 4.0)    | 0.0000229 (0.0000123, 0.0000387) | 0.00634 (0.00369, 0.01025) |
| Jambi    | Other communicable diseases                   | 40  | 16.2 (9.8, 24.2)  | 0.0001464 (0.0000879, 0.0002179) | 0.0368 (0.02262, 0.05416)  | 15.5 (9.4, 23.4)  | 0.0001517 (0.0000917, 0.0002284) | 0.04204 (0.02677, 0.06088) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 40  | 5.8 (2.1, 12.2)   | 0.0000524 (0.0000189, 0.0001097) | 0.01319 (0.00469, 0.02692) | 3.0 (1.1, 6.3)    | 0.0000293 (0.0000111, 0.0000614) | 0.00813 (0.00311, 0.01635) |
| Jambi    | Breast cancer                                 | 40  | 0.3 (0.1, 0.8)    | 0.0000027 (0.0000005, 0.0000075) | 0.00067 (0.00015, 0.00183) | 22.9 (10.7, 41.1) | 0.0002241 (0.0001042, 0.0004017) | 0.06197 (0.03007, 0.10134) |
| Jambi    | Cervical cancer                               | 40  |                   |                                  |                            | 17.5 (7.2, 32.9)  | 0.000171 (0.0000702, 0.0003213)  | 0.04727 (0.02098, 0.08542) |
| Jambi    | Other malignant neoplasms                     | 40  | 33.6 (21.6, 49.9) | 0.0003027 (0.0001946, 0.0004494) | 0.07602 (0.05032, 0.10780) | 18.3 (9.3, 30.6)  | 0.0001784 (0.0000909, 0.0002987) | 0.04936 (0.02641, 0.07923) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi    | Cerebrovascular disease                       | 40  | 67.3 (50.3, 87.8)    | 0.0006062 (0.0004535, 0.0007907) | 0.15233 (0.12288, 0.18792) | 63.5 (45.6, 85.7)    | 0.0006209 (0.0004460, 0.0008373) | 0.17194 (0.14038, 0.20702) |
| Jambi    | Ischemic heart disease                        | 40  | 53.3 (38.2, 70.8)    | 0.0004806 (0.0003439, 0.0006381) | 0.12072 (0.09114, 0.15260) | 30.5 (20.0, 44.0)    | 0.0002986 (0.0001957, 0.0004300) | 0.08273 (0.05958, 0.10739) |
| Jambi    | Other cardiovascular and circulatory diseases | 40  | 18.0 (10.3, 27.7)    | 0.0001626 (0.0000925, 0.0002492) | 0.04083 (0.02439, 0.06062) | 19.1 (10.9, 29.7)    | 0.0001866 (0.0001070, 0.0002907) | 0.05164 (0.03136, 0.07616) |
| Jambi    | Diabetes mellitus                             | 40  | 19.5 (13.2, 27.2)    | 0.0001753 (0.0001193, 0.0002453) | 0.04402 (0.03176, 0.05904) | 24.2 (15.5, 35.2)    | 0.0002364 (0.0001511, 0.0003441) | 0.06546 (0.04769, 0.08791) |
| Jambi    | Chronic kidney disease                        | 40  | 18.2 (12.5, 25.6)    | 0.0001638 (0.0001129, 0.0002307) | 0.04117 (0.02934, 0.05631) | 14.9 (9.8, 21.5)     | 0.0001458 (0.0000953, 0.0002100) | 0.04039 (0.02883, 0.05498) |
| Jambi    | Cirrhosis                                     | 40  | 26.1 (16.0, 39.5)    | 0.0002356 (0.0001446, 0.0003557) | 0.05917 (0.03729, 0.08398) | 15.2 (8.7, 23.3)     | 0.0001486 (0.0000850, 0.0002278) | 0.04113 (0.02569, 0.06023) |
| Jambi    | Chronic respiratory diseases                  | 40  | 22.6 (14.8, 33.3)    | 0.0002038 (0.0001332, 0.0003001) | 0.05124 (0.03460, 0.07309) | 14.2 (8.8, 22.0)     | 0.0001387 (0.0000863, 0.0002152) | 0.03841 (0.02541, 0.05612) |
| Jambi    | Other non-communicable diseases               | 40  | 38.3 (28.0, 52.4)    | 0.000345 (0.0002518, 0.0004723)  | 0.08666 (0.06582, 0.11017) | 35.4 (24.6, 49.6)    | 0.0003463 (0.0002409, 0.0004851) | 0.0959 (0.07249, 0.12300)  |
| Jambi    | Drowning                                      | 40  | 4.3 (1.9, 8.4)       | 0.0000388 (0.0000175, 0.0000757) | 0.00973 (0.00459, 0.01863) | 2.2 (0.9, 4.5)       | 0.0000215 (0.0000089, 0.0000437) | 0.00595 (0.00265, 0.01175) |
| Jambi    | Falls                                         | 40  | 4.7 (2.3, 8.7)       | 0.0000425 (0.0000209, 0.0000782) | 0.01068 (0.00536, 0.01946) | 2.8 (1.3, 5.3)       | 0.0000272 (0.0000126, 0.0000521) | 0.00753 (0.00372, 0.01364) |
| Jambi    | Interpersonal violence                        | 40  | 2.1 (1.1, 3.5)       | 0.0000193 (0.0000102, 0.0000318) | 0.00485 (0.00262, 0.00790) | 1.3 (0.6, 2.3)       | 0.0000126 (0.0000061, 0.0000222) | 0.00348 (0.00182, 0.00582) |
| Jambi    | Self-harm                                     | 40  | 2.6 (1.2, 4.8)       | 0.0000238 (0.0000112, 0.0000430) | 0.00598 (0.00284, 0.01050) | 1.2 (0.5, 2.3)       | 0.0000121 (0.0000052, 0.0000224) | 0.00336 (0.00158, 0.00606) |
| Jambi    | Transport injuries                            | 40  | 29.8 (19.6, 43.4)    | 0.0002682 (0.0001770, 0.0003910) | 0.06744 (0.04542, 0.09398) | 11.7 (7.0, 18.5)     | 0.0001143 (0.0000689, 0.0001808) | 0.03166 (0.01997, 0.04719) |
| Jambi    | Other unintentional injuries                  | 40  | 11.8 (6.7, 17.9)     | 0.0001063 (0.0000604, 0.0001612) | 0.02674 (0.01564, 0.04016) | 5.1 (2.7, 8.6)       | 0.0000497 (0.0000261, 0.0000838) | 0.01374 (0.00757, 0.02130) |
| Jambi    | Diarrheal diseases                            | 45  | 9.3 (5.1, 15.3)      | 0.0001006 (0.0000555, 0.0001656) | 0.01797 (0.01001, 0.02901) | 14.0 (8.0, 21.9)     | 0.000161 (0.0000916, 0.0002515)  | 0.0286 (0.01686, 0.04280)  |
| Jambi    | HIV/AIDS                                      | 45  | 0.9 (0.2, 2.5)       | 0.0000099 (0.0000024, 0.0000273) | 0.00177 (0.00043, 0.00489) | 0.9 (0.2, 2.6)       | 0.0000108 (0.0000026, 0.0000393) | 0.00191 (0.00048, 0.00545) |
| Jambi    | Lower respiratory infections                  | 45  | 6.7 (3.3, 11.4)      | 0.0000723 (0.0000357, 0.0001240) | 0.01291 (0.00667, 0.02125) | 7.2 (3.7, 12.1)      | 0.0000825 (0.0000420, 0.0001391) | 0.01466 (0.00781, 0.02444) |
| Jambi    | Malaria                                       | 45  | 4.5 (1.5, 10.0)      | 0.0000487 (0.0000165, 0.0001080) | 0.00871 (0.00313, 0.01966) | 3.4 (1.0, 8.0)       | 0.0000385 (0.0000114, 0.0000918) | 0.00683 (0.00217, 0.01644) |
| Jambi    | Tuberculosis                                  | 45  | 47.8 (33.6, 65.7)    | 0.0005189 (0.0003650, 0.0007130) | 0.09256 (0.06894, 0.11670) | 33.4 (21.6, 47.8)    | 0.0003837 (0.0002483, 0.0005488) | 0.06799 (0.04672, 0.09105) |
| Jambi    | Maternal disorders                            | 45  |                      |                                  |                            | 1.2 (0.5, 2.1)       | 0.0000134 (0.0000061, 0.0000237) | 0.00237 (0.00113, 0.00411) |
| Jambi    | Other communicable diseases                   | 45  | 14.5 (8.4, 22.7)     | 0.0001574 (0.0000907, 0.0002460) | 0.02811 (0.01692, 0.04304) | 17.0 (10.3, 26.2)    | 0.0001952 (0.0001188, 0.0003006) | 0.03461 (0.02190, 0.05013) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 45  | 8.6 (3.2, 17.5)      | 0.0000936 (0.0000346, 0.0001904) | 0.01675 (0.00630, 0.03376) | 4.0 (1.5, 8.0)       | 0.0000456 (0.0000174, 0.0000914) | 0.00808 (0.00307, 0.01612) |
| Jambi    | Breast cancer                                 | 45  | 0.5 (0.1, 1.1)       | 0.0000049 (0.0000013, 0.0000117) | 0.00087 (0.00023, 0.00204) | 23.9 (10.9, 41.8)    | 0.0002743 (0.0001250, 0.0004797) | 0.04854 (0.02347, 0.08001) |
| Jambi    | Cervical cancer                               | 45  |                      |                                  |                            | 20.9 (9.4, 37.7)     | 0.0002403 (0.0001078, 0.0004326) | 0.04256 (0.01970, 0.07328) |
| Jambi    | Other malignant neoplasms                     | 45  | 35.0 (22.2, 52.7)    | 0.0003799 (0.0002411, 0.0005717) | 0.06778 (0.04467, 0.09626) | 18.4 (9.7, 32.1)     | 0.0002117 (0.0001110, 0.0003686) | 0.03749 (0.02006, 0.06299) |
| Jambi    | Cerebrovascular disease                       | 45  | 94.9 (71.7, 123.8)   | 0.00103 (0.0007776, 0.0013431)   | 0.18389 (0.15133, 0.22087) | 103.5 (77.9, 131.8)  | 0.0011882 (0.0008945, 0.0015131) | 0.21068 (0.17681, 0.24862) |
| Jambi    | Ischemic heart disease                        | 45  | 65.7 (47.3, 88.2)    | 0.0007134 (0.0005138, 0.0009567) | 0.12736 (0.09683, 0.16153) | 44.3 (29.8, 62.1)    | 0.0005087 (0.0003426, 0.0007131) | 0.09022 (0.06601, 0.11799) |
| Jambi    | Other cardiovascular and circulatory diseases | 45  | 23.7 (13.9, 36.4)    | 0.0002575 (0.0001512, 0.0003953) | 0.04595 (0.02854, 0.06753) | 27.5 (16.2, 41.8)    | 0.000316 (0.0001859, 0.0004801)  | 0.05601 (0.03575, 0.08045) |
| Jambi    | Diabetes mellitus                             | 45  | 32.1 (22.3, 44.9)    | 0.0003486 (0.0002421, 0.0004868) | 0.06218 (0.04601, 0.08201) | 44.0 (29.6, 60.6)    | 0.0005049 (0.0003398, 0.0006961) | 0.0895 (0.06652, 0.11578)  |
| Jambi    | Chronic kidney disease                        | 45  | 20.0 (13.8, 28.4)    | 0.0002173 (0.0001495, 0.0003086) | 0.03882 (0.02781, 0.05184) | 17.9 (12.1, 25.4)    | 0.0002052 (0.0001394, 0.0002911) | 0.03638 (0.02597, 0.04873) |
| Jambi    | Cirrhosis                                     | 45  | 27.8 (16.6, 40.9)    | 0.0003014 (0.0001804, 0.0004442) | 0.0538 (0.03324, 0.07694)  | 18.9 (10.8, 29.0)    | 0.0002167 (0.0001239, 0.0003330) | 0.0384 (0.02383, 0.05604)  |
| Jambi    | Chronic respiratory diseases                  | 45  | 30.1 (19.9, 44.0)    | 0.0003263 (0.0002161, 0.0004780) | 0.05831 (0.04006, 0.07975) | 20.7 (13.4, 31.3)    | 0.0002374 (0.0001542, 0.0003595) | 0.04207 (0.02915, 0.05875) |
| Jambi    | Other non-communicable diseases               | 45  | 39.1 (27.7, 54.2)    | 0.0004244 (0.0003001, 0.0005879) | 0.07577 (0.05721, 0.09673) | 41.1 (28.9, 56.2)    | 0.0004716 (0.0003317, 0.0006450) | 0.08358 (0.06326, 0.10794) |
| Jambi    | Drowning                                      | 45  | 3.0 (1.3, 6.0)       | 0.0000327 (0.0000136, 0.0000648) | 0.00583 (0.00254, 0.01130) | 2.1 (0.9, 4.5)       | 0.0000242 (0.0000099, 0.0000513) | 0.00429 (0.00182, 0.00849) |
| Jambi    | Falls                                         | 45  | 5.4 (2.5, 10.0)      | 0.0000587 (0.0000274, 0.0001090) | 0.01048 (0.00505, 0.01903) | 4.1 (2.0, 7.5)       | 0.0000473 (0.0000224, 0.0000865) | 0.00838 (0.00400, 0.01470) |
| Jambi    | Interpersonal violence                        | 45  | 1.9 (1.0, 3.2)       | 0.0000202 (0.0000106, 0.0000345) | 0.0036 (0.00200, 0.00603)  | 1.2 (0.6, 2.1)       | 0.000014 (0.0000068, 0.0000246)  | 0.00248 (0.00125, 0.00425) |
| Jambi    | Self-harm                                     | 45  | 2.6 (1.2, 4.7)       | 0.0000283 (0.0000131, 0.0000511) | 0.00504 (0.00235, 0.00879) | 1.3 (0.6, 2.5)       | 0.0000149 (0.0000066, 0.0000281) | 0.00264 (0.00122, 0.00487) |
| Jambi    | Transport injuries                            | 45  | 30.8 (19.7, 45.1)    | 0.0003337 (0.0002141, 0.0004899) | 0.05963 (0.03911, 0.08408) | 14.8 (8.7, 22.5)     | 0.00017 (0.0001000, 0.0002589)   | 0.03013 (0.01874, 0.04398) |
| Jambi    | Other unintentional injuries                  | 45  | 11.3 (6.3, 17.7)     | 0.0001226 (0.0000688, 0.0001922) | 0.0219 (0.01298, 0.03342)  | 5.7 (2.9, 9.8)       | 0.0000655 (0.0000334, 0.0001121) | 0.01159 (0.00653, 0.01871) |
| Jambi    | Diarrheal diseases                            | 50  | 13.3 (7.7, 21.0)     | 0.0001734 (0.0000997, 0.0002827) | 0.0203 (0.01250, 0.03149)  | 18.5 (11.5, 27.3)    | 0.0002666 (0.0001659, 0.0003925) | 0.03156 (0.02005, 0.04634) |
| Jambi    | HIV/AIDS                                      | 50  | 0.4 (0.1, 1.2)       | 0.0000054 (0.0000013, 0.0000155) | 0.00064 (0.00015, 0.00180) | 0.4 (0.1, 1.2)       | 0.0000059 (0.0000014, 0.0000169) | 0.00069 (0.00017, 0.00195) |
| Jambi    | Lower respiratory infections                  | 50  | 9.8 (4.9, 16.6)      | 0.0001278 (0.0000642, 0.0002160) | 0.01496 (0.00784, 0.02490) | 9.6 (4.9, 15.9)      | 0.000138 (0.0000701, 0.0002288)  | 0.01635 (0.00887, 0.02649) |
| Jambi    | Malaria                                       | 50  | 4.7 (1.6, 10.9)      | 0.0000614 (0.0000206, 0.0001420) | 0.0072 (0.00245, 0.01635)  | 3.3 (0.9, 8.4)       | 0.0000481 (0.0000135, 0.0001203) | 0.00569 (0.00169, 0.01416) |
| Jambi    | Tuberculosis                                  | 50  | 57.7 (39.4, 81.7)    | 0.0007517 (0.0005129, 0.0010634) | 0.08792 (0.06503, 0.11085) | 37.3 (24.7, 53.2)    | 0.0005369 (0.0003552, 0.0007658) | 0.06344 (0.04471, 0.08491) |
| Jambi    | Maternal disorders                            | 50  |                      |                                  |                            | 0.5 (0.2, 1.2)       | 0.0000071 (0.0000023, 0.0000174) | 0.00084 (0.00028, 0.00209) |
| Jambi    | Other communicable diseases                   | 50  | 16.1 (9.0, 25.1)     | 0.0002097 (0.0001174, 0.0003265) | 0.02454 (0.01498, 0.03639) | 17.2 (10.2, 25.9)    | 0.0002479 (0.0001470, 0.0003734) | 0.02932 (0.01805, 0.04251) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 50  | 10.8 (4.1, 21.5)     | 0.0001411 (0.0000539, 0.0002797) | 0.01654 (0.00653, 0.03156) | 4.4 (1.7, 9.2)       | 0.0000639 (0.0000243, 0.0001321) | 0.00757 (0.00294, 0.01522) |
| Jambi    | Breast cancer                                 | 50  | 0.4 (0.1, 1.0)       | 0.0000057 (0.0000017, 0.0000131) | 0.00067 (0.00020, 0.00146) | 20.9 (9.4, 37.5)     | 0.0003014 (0.0001351, 0.0005389) | 0.03557 (0.01665, 0.05996) |
| Jambi    | Cervical cancer                               | 50  |                      |                                  |                            | 19.2 (8.3, 35.2)     | 0.0002761 (0.0001197, 0.0005064) | 0.0326 (0.01439, 0.05881)  |
| Jambi    | Other malignant neoplasms                     | 50  | 30.6 (18.7, 47.5)    | 0.0003977 (0.0002438, 0.0006187) | 0.04653 (0.03053, 0.06772) | 18.9 (9.8, 32.6)     | 0.0002725 (0.0001406, 0.0004695) | 0.03217 (0.01744, 0.05418) |
| Jambi    | Cerebrovascular disease                       | 50  | 142.9 (106.2, 186.7) | 0.0018609 (0.0013827, 0.0024310) | 0.21773 (0.18191, 0.25811) | 143.6 (108.2, 180.8) | 0.0020655 (0.0015574, 0.0026018) | 0.24413 (0.20678, 0.28260) |
| Jambi    | Ischemic heart disease                        | 50  | 92.8 (64.6, 126.2)   | 0.0012082 (0.0008404, 0.0016424) | 0.14138 (0.10709, 0.18777) | 55.9 (38.1, 78.6)    | 0.0008046 (0.0005487, 0.0011312) | 0.09513 (0.06909, 0.12418) |
| Jambi    | Other cardiovascular and circulatory diseases | 50  | 33.7 (19.8, 52.4)    | 0.0004384 (0.0002576, 0.0006828) | 0.0513 (0.03188, 0.07389)  | 37.6 (22.4, 56.4)    | 0.0005405 (0.0003227, 0.0008116) | 0.06386 (0.04065, 0.09023) |
| Jambi    | Diabetes mellitus                             | 50  | 47.4 (32.4, 67.0)    | 0.0006173 (0.0004213, 0.0008719) | 0.07217 (0.05396, 0.09318) | 61.4 (42.2, 83.4)    | 0.000883 (0.0006070, 0.0012004)  | 0.10434 (0.07934, 0.13274) |
| Jambi    | Chronic kidney disease                        | 50  | 23.1 (15.0, 34.3)    | 0.0003008 (0.0001947, 0.0004464) | 0.03521 (0.02539, 0.04732) | 19.7 (13.5, 27.8)    | 0.0002837 (0.0001942, 0.0004005) | 0.03354 (0.02443, 0.04504) |
| Jambi    | Cirrhosis                                     | 50  | 32.9 (19.3, 50.2)    | 0.0004279 (0.0002514, 0.0006529) | 0.05005 (0.03172, 0.07257) | 20.9 (12.1, 31.9)    | 0.0003004 (0.0001740, 0.0004592) | 0.03548 (0.02240, 0.05164) |
| Jambi    | Chronic respiratory diseases                  | 50  | 41.8 (27.5, 60.8)    | 0.0005443 (0.0003578, 0.0007916) | 0.06376 (0.04509, 0.08593) | 28.5 (18.8, 41.4)    | 0.0004104 (0.0002708, 0.0005956) | 0.04847 (0.03453, 0.06693) |
| Jambi    | Other non-communicable diseases               | 50  | 45.7 (31.6, 66.0)    | 0.000595 (0.0004119, 0.0008588)  | 0.06964 (0.05173, 0.08972) | 45.3 (31.3, 62.7)    | 0.0006518 (0.0004503, 0.0009017) | 0.07703 (0.05702, 0.09985) |
| Jambi    | Drowning                                      | 50  | 2.6 (1.1, 5.3)       | 0.0000341 (0.0000139, 0.0000686) | 0.00399 (0.00171, 0.00789) | 1.6 (0.6, 3.3)       | 0.0000227 (0.0000089, 0.0000481) | 0.00268 (0.00108, 0.00558) |
| Jambi    | Falls                                         | 50  | 7.2 (3.6, 12.9)      | 0.0000931 (0.0000465, 0.0001683) | 0.01091 (0.00555, 0.01936) | 4.8 (2.3, 8.6)       | 0.0000683 (0.0000335, 0.0001230) | 0.00807 (0.00422, 0.01437) |
| Jambi    | Interpersonal violence                        | 50  | 1.6 (0.8, 2.7)       | 0.0000207 (0.0000104, 0.0000355) | 0.00243 (0.00128, 0.00409) | 1.0 (0.5, 1.7)       | 0.0000138 (0.0000068, 0.0000243) | 0.00163 (0.00082, 0.00285) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females                          |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi    | Self-harm                                     | 50  | 2.5 (1.1, 4.5)       | 0.00032 (0.000150, 0.000584)     | 0.00374 (0.00185, 0.00664) | 1.1 (0.5, 2.2)                   | 0.0000163 (0.0000072, 0.0000316) | 0.00192 (0.00089, 0.00363) |
| Jambi    | Transport injuries                            | 50  | 27.9 (17.1, 42.1)    | 0.0003628 (0.0002225, 0.0005487) | 0.04249 (0.02714, 0.06106) | 11.7 (6.8, 18.1)                 | 0.0001689 (0.0000985, 0.0002607) | 0.01995 (0.01203, 0.03046) |
| Jambi    | Other unintentional injuries                  | 50  | 10.4 (5.7, 16.5)     | 0.000136 (0.0000746, 0.0002142)  | 0.01592 (0.00920, 0.02450) | 4.7 (2.5, 7.9)                   | 0.0000677 (0.0000366, 0.0001140) | 0.00799 (0.00447, 0.01293) |
| Jambi    | Diarrheal diseases                            | 55  | 14.2 (8.0, 23.1)     | 0.0002666 (0.0001499, 0.0004344) | 0.02109 (0.01289, 0.03266) | 18.3 (11.4, 27.3)                | 0.0004137 (0.0002566, 0.0006172) | 0.03279 (0.02144, 0.04764) |
| Jambi    | HIV/AIDS                                      | 55  | 0.2 (0.0, 0.5)       | 0.0000032 (0.0000007, 0.0000094) | 0.00026 (0.00006, 0.00074) | 0.2 (0.0, 0.4)                   | 0.0000035 (0.0000008, 0.0000101) | 0.00027 (0.00006, 0.00080) |
| Jambi    | Lower respiratory infections                  | 55  | 9.9 (4.9, 17.0)      | 0.000186 (0.0000922, 0.0003200)  | 0.0147 (0.00771, 0.02423)  | 9.2 (4.8, 15.2)                  | 0.0002089 (0.0001078, 0.0003436) | 0.01657 (0.00918, 0.02695) |
| Jambi    | Malaria                                       | 55  | 4.6 (1.5, 10.7)      | 0.0000869 (0.0000289, 0.0002006) | 0.00689 (0.00233, 0.01621) | 2.8 (0.8, 7.2)                   | 0.0000644 (0.0000183, 0.0001637) | 0.0051 (0.00152, 0.01323)  |
| Jambi    | Tuberculosis                                  | 55  | 50.2 (32.8, 71.7)    | 0.0009434 (0.0006163, 0.0013471) | 0.07456 (0.05336, 0.09554) | 28.9 (18.5, 41.6)                | 0.0006532 (0.0004183, 0.0009414) | 0.05168 (0.03436, 0.06987) |
| Jambi    | Other communicable diseases                   | 55  | 15.0 (8.3, 23.2)     | 0.0002823 (0.0001567, 0.0004365) | 0.02233 (0.01315, 0.03389) | 15.2 (9.1, 23.2)                 | 0.0003439 (0.0002058, 0.0005235) | 0.02723 (0.01677, 0.04020) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 55  | 11.1 (4.4, 21.8)     | 0.0002084 (0.0000822, 0.0004096) | 0.01653 (0.00679, 0.03145) | 0.0000782 (0.0000287, 0.0001613) | 0.0000782 (0.0000287, 0.0001613) | 0.00619 (0.00230, 0.01246) |
| Jambi    | Breast cancer                                 | 55  | 0.4 (0.1, 0.9)       | 0.0000072 (0.0000022, 0.0000168) | 0.00057 (0.00018, 0.00121) | 14.3 (6.1, 25.2)                 | 0.0003232 (0.0001372, 0.0005700) | 0.02554 (0.01110, 0.04420) |
| Jambi    | Cervical cancer                               | 55  |                      |                                  |                            | 12.6 (5.2, 22.9)                 | 0.0002851 (0.0001185, 0.0005183) | 0.02254 (0.00984, 0.04123) |
| Jambi    | Other malignant neoplasms                     | 55  | 24.3 (14.8, 39.3)    | 0.0004574 (0.0002789, 0.0007380) | 0.03616 (0.02363, 0.05295) | 15.3 (8.2, 26.3)                 | 0.0003454 (0.0001856, 0.0005945) | 0.0273 (0.01460, 0.04666)  |
| Jambi    | Cerebrovascular disease                       | 55  | 165.5 (122.2, 217.1) | 0.0031108 (0.0022964, 0.0040803) | 0.24598 (0.20848, 0.28537) | 155.8 (120.3, 194.8)             | 0.003521 (0.0027187, 0.0044034)  | 0.27852 (0.23935, 0.31843) |
| Jambi    | Ischemic heart disease                        | 55  | 103.3 (71.7, 140.8)  | 0.0019418 (0.0013471, 0.0026469) | 0.15362 (0.11637, 0.19086) | 58.5 (40.5, 81.4)                | 0.0013222 (0.0009158, 0.0018401) | 0.10464 (0.07642, 0.13505) |
| Jambi    | Other cardiovascular and circulatory diseases | 55  | 38.4 (21.8, 60.7)    | 0.0007208 (0.0004099, 0.0011400) | 0.05702 (0.03529, 0.08167) | 39.1 (23.8, 58.2)                | 0.0008831 (0.0005383, 0.0013157) | 0.06984 (0.04407, 0.09927) |
| Jambi    | Diabetes mellitus                             | 55  | 50.8 (33.6, 72.5)    | 0.0009539 (0.0006312, 0.0013618) | 0.07539 (0.05587, 0.09807) | 60.2 (42.1, 82.4)                | 0.0013617 (0.0009527, 0.0018629) | 0.10771 (0.08054, 0.13801) |
| Jambi    | Chronic kidney disease                        | 55  | 22.5 (14.6, 33.6)    | 0.0004236 (0.0002739, 0.0006319) | 0.0335 (0.02451, 0.04460)  | 17.4 (11.9, 24.5)                | 0.0003927 (0.0002699, 0.0005535) | 0.03107 (0.02265, 0.04161) |
| Jambi    | Cirrhosis                                     | 55  | 29.7 (17.4, 44.3)    | 0.0005582 (0.0003265, 0.0008333) | 0.04413 (0.02786, 0.06328) | 17.9 (10.6, 26.7)                | 0.0004042 (0.0002396, 0.0006027) | 0.03196 (0.01986, 0.04541) |
| Jambi    | Chronic respiratory diseases                  | 55  | 45.5 (29.8, 65.5)    | 0.0008548 (0.0005602, 0.0012304) | 0.06769 (0.04931, 0.09048) | 28.2 (19.2, 40.6)                | 0.0006371 (0.0004348, 0.0009184) | 0.05035 (0.03658, 0.06878) |
| Jambi    | Other non-communicable diseases               | 55  | 47.5 (32.7, 67.6)    | 0.0008925 (0.0006151, 0.0012700) | 0.07062 (0.05302, 0.09176) | 43.7 (30.5, 59.6)                | 0.0009889 (0.0006899, 0.0013475) | 0.07824 (0.05885, 0.10065) |
| Jambi    | Drowning                                      | 55  | 1.9 (0.7, 4.3)       | 0.0000355 (0.0000133, 0.0000810) | 0.00281 (0.00112, 0.00619) | 1.1 (0.4, 2.6)                   | 0.0000259 (0.0000099, 0.0000590) | 0.00204 (0.00078, 0.00437) |
| Jambi    | Falls                                         | 55  | 7.5 (3.7, 13.4)      | 0.0001418 (0.0000687, 0.0002521) | 0.01122 (0.00590, 0.01942) | 4.9 (2.6, 8.2)                   | 0.0001097 (0.0000579, 0.0001864) | 0.00867 (0.00473, 0.01425) |
| Jambi    | Interpersonal violence                        | 55  | 1.2 (0.6, 2.2)       | 0.0000231 (0.0000108, 0.0000409) | 0.00183 (0.00092, 0.00309) | 0.6 (0.3, 1.1)                   | 0.0000144 (0.0000068, 0.0000258) | 0.00114 (0.00056, 0.00201) |
| Jambi    | Self-harm                                     | 55  | 2.2 (1.0, 4.0)       | 0.0000408 (0.0000186, 0.0000755) | 0.00322 (0.00154, 0.00582) | 0.8 (0.4, 1.6)                   | 0.0000191 (0.0000083, 0.0000357) | 0.00151 (0.00069, 0.00280) |
| Jambi    | Transport injuries                            | 55  | 18.4 (10.3, 29.2)    | 0.0003462 (0.0001939, 0.0005486) | 0.02741 (0.01685, 0.04020) | 7.2 (4.0, 11.9)                  | 0.0001638 (0.0000893, 0.0002688) | 0.01295 (0.00733, 0.02040) |
| Jambi    | Other unintentional injuries                  | 55  | 8.4 (4.4, 13.7)      | 0.0001577 (0.0000833, 0.0002580) | 0.01249 (0.00708, 0.01922) | 3.4 (1.8, 5.7)                   | 0.0000777 (0.0000409, 0.0001279) | 0.00614 (0.00338, 0.00974) |
| Jambi    | Diarrheal diseases                            | 60  | 16.3 (9.0, 26.9)     | 0.0004774 (0.0002638, 0.0007888) | 0.02248 (0.01347, 0.03372) | 21.8 (14.0, 32.1)                | 0.0006918 (0.0004442, 0.0010188) | 0.03603 (0.02318, 0.05174) |
| Jambi    | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.4)       | 0.0000036 (0.0000007, 0.0000110) | 0.00017 (0.00003, 0.00053) | 0.1 (0.0, 0.4)                   | 0.0000036 (0.0000007, 0.0000115) | 0.00019 (0.00004, 0.00059) |
| Jambi    | Lower respiratory infections                  | 60  | 13.7 (6.8, 23.0)     | 0.0004019 (0.0002001, 0.0006766) | 0.01893 (0.01017, 0.03013) | 14.3 (7.7, 22.8)                 | 0.000453 (0.0002463, 0.0007252)  | 0.0236 (0.01313, 0.03716)  |
| Jambi    | Malaria                                       | 60  | 4.9 (1.6, 11.6)      | 0.0001449 (0.0000479, 0.0003412) | 0.00684 (0.00237, 0.01592) | 2.9 (0.8, 7.5)                   | 0.0000911 (0.0000244, 0.0002382) | 0.00474 (0.00132, 0.01274) |
| Jambi    | Tuberculosis                                  | 60  | 59.9 (39.6, 85.7)    | 0.00176 (0.0011619, 0.0025169)   | 0.08288 (0.06066, 0.10573) | 34.8 (22.8, 48.8)                | 0.001105 (0.0007252, 0.0015506)  | 0.05747 (0.03945, 0.07801) |
| Jambi    | Other communicable diseases                   | 60  | 12.4 (6.4, 19.7)     | 0.0003626 (0.0001865, 0.0005788) | 0.01708 (0.00967, 0.02692) | 13.4 (7.7, 21.6)                 | 0.0004261 (0.0002461, 0.0006686) | 0.02219 (0.01344, 0.03309) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 60  | 11.7 (4.6, 22.9)     | 0.0003429 (0.0001358, 0.0006714) | 0.01619 (0.00646, 0.03033) | 3.2 (1.1, 6.6)                   | 0.0001003 (0.0000350, 0.0002094) | 0.00522 (0.00188, 0.01079) |
| Jambi    | Breast cancer                                 | 60  | 0.4 (0.1, 0.8)       | 0.0000105 (0.0000029, 0.0000246) | 0.00049 (0.00015, 0.00110) | 9.7 (3.9, 18.5)                  | 0.0003095 (0.0001236, 0.0005869) | 0.01608 (0.00646, 0.02900) |
| Jambi    | Cervical cancer                               | 60  |                      |                                  |                            | 11.0 (4.6, 20.4)                 | 0.0003498 (0.0001460, 0.0006481) | 0.01819 (0.00777, 0.03281) |
| Jambi    | Other malignant neoplasms                     | 60  | 23.3 (14.1, 37.6)    | 0.0006842 (0.0004147, 0.0011047) | 0.03223 (0.02079, 0.04717) | 14.7 (7.8, 25.3)                 | 0.0004682 (0.0002481, 0.0008042) | 0.02434 (0.01324, 0.04018) |
| Jambi    | Cerebrovascular disease                       | 60  | 185.0 (135.2, 243.4) | 0.0054312 (0.0039698, 0.0071449) | 0.25582 (0.21742, 0.29555) | 179.6 (143.5, 218.0)             | 0.0057085 (0.0045598, 0.0069301) | 0.297 (0.25631, 0.33898)   |
| Jambi    | Ischemic heart disease                        | 60  | 103.5 (71.1, 142.6)  | 0.0030386 (0.0020872, 0.0041854) | 0.14316 (0.10982, 0.17966) | 62.1 (44.1, 85.5)                | 0.001975 (0.0014032, 0.0027192)  | 0.10277 (0.07520, 0.13399) |
| Jambi    | Other cardiovascular and circulatory diseases | 60  | 43.7 (25.2, 67.6)    | 0.0012827 (0.0007404, 0.0019848) | 0.06043 (0.03797, 0.08737) | 43.1 (26.5, 63.3)                | 0.0013692 (0.0008435, 0.0020135) | 0.07122 (0.04575, 0.10147) |
| Jambi    | Diabetes mellitus                             | 60  | 46.8 (30.9, 66.9)    | 0.0013728 (0.0009074, 0.0019647) | 0.06466 (0.04744, 0.08415) | 55.5 (39.4, 73.9)                | 0.0017635 (0.0012524, 0.0023482) | 0.09174 (0.06781, 0.11794) |
| Jambi    | Chronic kidney disease                        | 60  | 21.5 (13.7, 31.3)    | 0.00063 (0.0004028, 0.0009197)   | 0.02968 (0.02151, 0.03917) | 16.1 (11.2, 22.4)                | 0.0005103 (0.0003552, 0.0007132) | 0.02654 (0.01915, 0.03531) |
| Jambi    | Cirrhosis                                     | 60  | 26.3 (15.1, 40.0)    | 0.0007713 (0.0004425, 0.0011757) | 0.03632 (0.02277, 0.05158) | 16.6 (9.9, 24.6)                 | 0.0005271 (0.0003138, 0.0007833) | 0.02742 (0.01700, 0.03934) |
| Jambi    | Chronic respiratory diseases                  | 60  | 65.7 (43.9, 92.3)    | 0.0019287 (0.0012897, 0.0027103) | 0.091 (0.06792, 0.11743)   | 38.9 (27.1, 54.3)                | 0.0012361 (0.0008619, 0.0017250) | 0.06427 (0.04728, 0.08643) |
| Jambi    | Other non-communicable diseases               | 60  | 54.8 (37.2, 78.5)    | 0.0016087 (0.0010930, 0.0023042) | 0.07583 (0.05687, 0.09728) | 50.7 (36.2, 68.7)                | 0.0016116 (0.0011500, 0.0021823) | 0.08384 (0.06291, 0.10727) |
| Jambi    | Drowning                                      | 60  | 1.4 (0.5, 3.2)       | 0.0000418 (0.0000145, 0.0000948) | 0.00197 (0.00072, 0.00429) | 1.1 (0.4, 2.5)                   | 0.0000336 (0.0000114, 0.0000783) | 0.00174 (0.00060, 0.00403) |
| Jambi    | Falls                                         | 60  | 6.5 (3.1, 12.0)      | 0.0001898 (0.0000899, 0.0003514) | 0.00894 (0.00449, 0.01650) | 4.7 (2.5, 8.2)                   | 0.0001501 (0.0000781, 0.0002615) | 0.00781 (0.00413, 0.01317) |
| Jambi    | Interpersonal violence                        | 60  | 0.9 (0.4, 1.6)       | 0.0000256 (0.0000114, 0.0000462) | 0.00121 (0.00058, 0.00214) | 0.4 (0.2, 0.9)                   | 0.0000137 (0.0000062, 0.0000275) | 0.00071 (0.00034, 0.00142) |
| Jambi    | Self-harm                                     | 60  | 1.8 (0.8, 3.4)       | 0.0000515 (0.0000226, 0.0001011) | 0.00242 (0.00112, 0.00443) | 0.6 (0.3, 1.3)                   | 0.0000285 (0.0000085, 0.0000403) | 0.00104 (0.00046, 0.00206) |
| Jambi    | Transport injuries                            | 60  | 15.7 (8.8, 24.6)     | 0.0004598 (0.0002586, 0.0007233) | 0.02168 (0.01345, 0.03200) | 6.7 (3.6, 10.6)                  | 0.0002118 (0.0001157, 0.0003366) | 0.01102 (0.00608, 0.01720) |
| Jambi    | Other unintentional injuries                  | 60  | 6.9 (3.7, 11.2)      | 0.0002035 (0.0001074, 0.0003295) | 0.0096 (0.00542, 0.01511)  | 2.9 (1.5, 5.0)                   | 0.0000928 (0.0000466, 0.0001580) | 0.00482 (0.00257, 0.00801) |
| Jambi    | Diarrheal diseases                            | 65  | 24.1 (14.3, 37.5)    | 0.0010559 (0.0006275, 0.0016434) | 0.03482 (0.02238, 0.04976) | 34.7 (24.0, 48.4)                | 0.0015207 (0.0010525, 0.0021214) | 0.05292 (0.03726, 0.07210) |
| Jambi    | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.3)       | 0.0000048 (0.0000010, 0.0000151) | 0.00016 (0.00004, 0.00051) | 0.1 (0.0, 0.3)                   | 0.0000048 (0.0000011, 0.0000145) | 0.00017 (0.00004, 0.00050) |
| Jambi    | Lower respiratory infections                  | 65  | 15.1 (7.8, 25.6)     | 0.0006615 (0.0003426, 0.0011206) | 0.02181 (0.01187, 0.03471) | 17.5 (9.9, 27.2)                 | 0.0007663 (0.0004315, 0.0011895) | 0.02669 (0.01482, 0.04133) |
| Jambi    | Malaria                                       | 65  | 4.5 (1.4, 10.7)      | 0.0001964 (0.0000616, 0.0004704) | 0.0065 (0.00215, 0.01581)  | 2.7 (0.7, 7.4)                   | 0.0001185 (0.0000310, 0.0003240) | 0.00412 (0.00116, 0.01101) |
| Jambi    | Tuberculosis                                  | 65  | 57.8 (36.9, 83.8)    | 0.0025315 (0.0016167, 0.0036717) | 0.08343 (0.06073, 0.10714) | 36.0 (23.3, 51.3)                | 0.0015761 (0.0010218, 0.0022461) | 0.05479 (0.03664, 0.07696) |
| Jambi    | Other communicable diseases                   | 65  | 10.9 (5.6, 17.9)     | 0.0004792 (0.0002449, 0.0007819) | 0.01581 (0.00873, 0.02480) | 13.0 (7.4, 20.5)                 | 0.0005679 (0.0003254, 0.0008998) | 0.01975 (0.01160, 0.03089) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 65  | 8.7 (3.3, 17.5)      | 0.0003811 (0.0001436, 0.0007658) | 0.01261 (0.00501, 0.02377) | 2.6 (0.9, 5.5)                   | 0.0001131 (0.0000394, 0.0002423) | 0.00393 (0.00141, 0.00813) |
| Jambi    | Breast cancer                                 | 65  | 0.3 (0.1, 0.7)       | 0.0000114 (0.0000027, 0.0000291) | 0.00038 (0.00009, 0.00088) | 7.0 (2.7, 13.4)                  | 0.0003047 (0.0001179, 0.0005861) | 0.01058 (0.00422, 0.02009) |
| Jambi    | Cervical cancer                               | 65  |                      |                                  |                            | 8.2 (3.3, 15.8)                  | 0.0003586 (0.0001429, 0.0006900) | 0.01246 (0.00511, 0.02362) |
| Jambi    | Other malignant neoplasms                     | 65  | 17.1 (10.2, 28.7)    | 0.0007496 (0.0004469, 0.0012559) | 0.02471 (0.01563, 0.03649) | 14.4 (7.8, 24.8)                 | 0.000633 (0.0003400, 0.0010883)  | 0.02199 (0.01217, 0.03617) |
| Jambi    | Cerebrovascular disease                       | 65  | 183.4 (132.4, 244.1) | 0.0080332 (0.0057986, 0.0106925) | 0.26483 (0.22679, 0.30585) | 203.1 (163.9, 245.7)             | 0.0088987 (0.0071821, 0.0107638) | 0.30939 (0.26902, 0.35300) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi    | Ischemic heart disease                        | 65  | 95.3 (63.1, 134.0)   | 0.0041731 (0.0027651, 0.0058708) | 0.13762 (0.10376, 0.17331) | 64.7 (44.8, 88.3)    | 0.0028358 (0.0019644, 0.0038697) | 0.09863 (0.07184, 0.12751) |
| Jambi    | Other cardiovascular and circulatory diseases | 65  | 45.5 (26.3, 70.2)    | 0.0019914 (0.0011511, 0.0030748) | 0.06567 (0.04181, 0.09356) | 50.6 (32.2, 73.0)    | 0.0022181 (0.0014085, 0.0031984) | 0.0771 (0.05039, 0.10961)  |
| Jambi    | Diabetes mellitus                             | 65  | 35.5 (22.9, 51.5)    | 0.0015558 (0.0010027, 0.0022562) | 0.05128 (0.03742, 0.06735) | 48.3 (33.7, 64.8)    | 0.0021142 (0.0014768, 0.0028400) | 0.07349 (0.05342, 0.09603) |
| Jambi    | Chronic kidney disease                        | 65  | 18.9 (11.7, 28.0)    | 0.0008282 (0.0005116, 0.0012259) | 0.02732 (0.01943, 0.03631) | 16.0 (11.1, 22.2)    | 0.0006994 (0.0004861, 0.0009737) | 0.02431 (0.01746, 0.03290) |
| Jambi    | Cirrhosis                                     | 65  | 19.8 (10.9, 31.0)    | 0.0008652 (0.0004785, 0.0013575) | 0.02851 (0.01757, 0.04125) | 14.4 (8.5, 21.2)     | 0.000632 (0.0003743, 0.0009303)  | 0.02197 (0.01340, 0.03216) |
| Jambi    | Chronic respiratory diseases                  | 65  | 69.1 (45.9, 97.8)    | 0.003027 (0.0020097, 0.0042819)  | 0.09999 (0.07525, 0.12774) | 45.9 (32.9, 64.8)    | 0.0020119 (0.0014406, 0.0028389) | 0.06991 (0.05187, 0.09242) |
| Jambi    | Other non-communicable diseases               | 65  | 58.3 (39.2, 83.8)    | 0.0025528 (0.0017153, 0.0036701) | 0.08424 (0.06418, 0.10702) | 61.3 (44.3, 80.6)    | 0.0026861 (0.0019427, 0.0035311) | 0.09338 (0.07100, 0.11837) |
| Jambi    | Drowning                                      | 65  | 1.1 (0.4, 2.5)       | 0.0000495 (0.0000169, 0.0001101) | 0.00164 (0.00058, 0.00344) | 1.0 (0.3, 2.2)       | 0.0000433 (0.0000141, 0.0000985) | 0.0015 (0.00051, 0.00331)  |
| Jambi    | Falls                                         | 65  | 6.4 (3.0, 11.7)      | 0.0002824 (0.0001333, 0.0005124) | 0.00931 (0.00480, 0.01593) | 5.4 (2.8, 9.3)       | 0.000238 (0.0001238, 0.0004088)  | 0.00828 (0.00450, 0.01375) |
| Jambi    | Interpersonal violence                        | 65  | 0.6 (0.3, 1.2)       | 0.0000273 (0.0000116, 0.0000544) | 0.0009 (0.00042, 0.00172)  | 0.3 (0.1, 0.7)       | 0.0000146 (0.0000060, 0.0000304) | 0.00051 (0.00021, 0.00104) |
| Jambi    | Self-harm                                     | 65  | 1.4 (0.6, 2.9)       | 0.0000623 (0.0000270, 0.0001252) | 0.00205 (0.00096, 0.00380) | 0.5 (0.2, 1.1)       | 0.000024 (0.0000101, 0.0000466)  | 0.00083 (0.00037, 0.00167) |
| Jambi    | Transport injuries                            | 65  | 12.3 (6.8, 19.9)     | 0.0005402 (0.0002980, 0.0008705) | 0.01785 (0.01050, 0.02707) | 6.0 (3.1, 10.2)      | 0.0002607 (0.0001370, 0.0004457) | 0.00906 (0.00479, 0.01469) |
| Jambi    | Other unintentional injuries                  | 65  | 5.9 (3.1, 10.0)      | 0.0002592 (0.0001375, 0.0004362) | 0.00855 (0.00479, 0.01343) | 2.8 (1.4, 4.5)       | 0.0001216 (0.0000622, 0.0001991) | 0.00422 (0.00224, 0.00690) |
| Jambi    | Diarrheal diseases                            | 70  | 38.6 (23.4, 58.3)    | 0.0023206 (0.0014074, 0.0035065) | 0.04847 (0.03339, 0.06670) | 52.0 (36.5, 70.8)    | 0.0029687 (0.0020820, 0.0040459) | 0.06499 (0.04743, 0.08519) |
| Jambi    | HIV/AIDS                                      | 70  | 0.2 (0.0, 0.5)       | 0.0000099 (0.0000020, 0.0000307) | 0.00021 (0.00004, 0.00069) | 0.2 (0.0, 0.5)       | 0.0000095 (0.0000020, 0.0000296) | 0.00021 (0.00004, 0.00066) |
| Jambi    | Lower respiratory infections                  | 70  | 21.9 (11.3, 35.7)    | 0.0013198 (0.0006804, 0.0021493) | 0.02758 (0.01541, 0.04231) | 25.1 (14.3, 37.9)    | 0.0014408 (0.0008182, 0.0021671) | 0.03156 (0.01829, 0.04659) |
| Jambi    | Malaria                                       | 70  | 4.6 (1.4, 11.4)      | 0.0002777 (0.0000860, 0.0006859) | 0.00583 (0.00198, 0.01440) | 2.9 (0.8, 7.8)       | 0.0001632 (0.0000440, 0.0004449) | 0.00357 (0.00100, 0.00975) |
| Jambi    | Tuberculosis                                  | 70  | 65.6 (41.3, 96.2)    | 0.0039444 (0.0024860, 0.0057851) | 0.08239 (0.05795, 0.10616) | 45.3 (29.6, 63.1)    | 0.002588 (0.0016882, 0.0036061)  | 0.0566 (0.03699, 0.07723)  |
| Jambi    | Other communicable diseases                   | 70  | 13.2 (6.7, 22.4)     | 0.0007938 (0.0004056, 0.0013459) | 0.01658 (0.00929, 0.02628) | 14.3 (7.8, 22.5)     | 0.0008143 (0.0004479, 0.0012834) | 0.01782 (0.01012, 0.02805) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 70  | 8.8 (3.4, 17.8)      | 0.0005314 (0.0002016, 0.0010685) | 0.01113 (0.00442, 0.02105) | 2.6 (0.9, 5.3)       | 0.0001459 (0.0000491, 0.0003032) | 0.00319 (0.00111, 0.00655) |
| Jambi    | Breast cancer                                 | 70  | 0.2 (0.0, 0.5)       | 0.000012 (0.0000024, 0.0000329)  | 0.00025 (0.00005, 0.00063) | 5.5 (2.1, 11.1)      | 0.000313 (0.0001201, 0.0006333)  | 0.00684 (0.00263, 0.01341) |
| Jambi    | Cervical cancer                               | 70  |                      |                                  |                            | 5.7 (2.2, 11.2)      | 0.0003261 (0.0001252, 0.0006415) | 0.00713 (0.00278, 0.01353) |
| Jambi    | Other malignant neoplasms                     | 70  | 14.7 (8.4, 24.4)     | 0.0008813 (0.0005061, 0.0014685) | 0.01841 (0.01151, 0.02784) | 14.4 (8.0, 24.1)     | 0.0008215 (0.0004565, 0.0013770) | 0.01796 (0.00999, 0.02892) |
| Jambi    | Cerebrovascular disease                       | 70  | 209.1 (149.0, 281.7) | 0.0125732 (0.0089627, 0.0169437) | 0.26262 (0.22488, 0.30236) | 247.0 (203.1, 295.0) | 0.0141061 (0.0116003, 0.0168456) | 0.30859 (0.26884, 0.35027) |
| Jambi    | Ischemic heart disease                        | 70  | 100.8 (66.1, 143.3)  | 0.0060596 (0.0039743, 0.0086159) | 0.12665 (0.09419, 0.15934) | 79.3 (56.0, 107.4)   | 0.0045289 (0.0031971, 0.0061327) | 0.09909 (0.07212, 0.12742) |
| Jambi    | Other cardiovascular and circulatory diseases | 70  | 55.4 (31.6, 87.5)    | 0.0033291 (0.0018974, 0.0052620) | 0.06954 (0.04414, 0.09878) | 66.0 (41.2, 94.1)    | 0.0037665 (0.0023550, 0.0053715) | 0.08238 (0.05373, 0.11513) |
| Jambi    | Diabetes mellitus                             | 70  | 29.4 (18.5, 43.6)    | 0.0017654 (0.0011147, 0.0026232) | 0.03688 (0.02670, 0.04885) | 44.0 (30.4, 59.1)    | 0.0025123 (0.0017365, 0.0033777) | 0.05495 (0.04016, 0.07220) |
| Jambi    | Chronic kidney disease                        | 70  | 18.2 (11.2, 27.4)    | 0.0010965 (0.0006730, 0.0016455) | 0.02292 (0.01607, 0.03078) | 17.2 (11.9, 24.2)    | 0.000985 (0.0006813, 0.0013849)  | 0.02155 (0.01543, 0.02912) |
| Jambi    | Cirrhosis                                     | 70  | 18.6 (10.1, 29.5)    | 0.0011216 (0.0006074, 0.0017744) | 0.02341 (0.01426, 0.03429) | 14.2 (8.4, 21.0)     | 0.0008098 (0.0004795, 0.0011989) | 0.01772 (0.01073, 0.02587) |
| Jambi    | Chronic respiratory diseases                  | 70  | 94.0 (64.2, 131.3)   | 0.0056553 (0.0038623, 0.0078949) | 0.11839 (0.09286, 0.14779) | 66.8 (48.7, 90.2)    | 0.0038147 (0.0027998, 0.0051516) | 0.08342 (0.06436, 0.10776) |
| Jambi    | Other non-communicable diseases               | 70  | 71.6 (47.8, 102.1)   | 0.004307 (0.0028722, 0.0061428)  | 0.09006 (0.06905, 0.11305) | 80.5 (59.7, 105.6)   | 0.0045986 (0.0034068, 0.0060295) | 0.10058 (0.07705, 0.12581) |
| Jambi    | Drowning                                      | 70  | 2.1 (0.8, 4.5)       | 0.0001258 (0.0000467, 0.0002723) | 0.00263 (0.00106, 0.00526) | 1.6 (0.7, 3.2)       | 0.0000904 (0.0000376, 0.0001829) | 0.00198 (0.00082, 0.00394) |
| Jambi    | Falls                                         | 70  | 7.9 (3.8, 13.9)      | 0.0004726 (0.0002270, 0.0008355) | 0.00988 (0.00514, 0.01672) | 6.1 (3.3, 10.2)      | 0.0003508 (0.0001885, 0.0005808) | 0.00767 (0.00419, 0.01248) |
| Jambi    | Interpersonal violence                        | 70  | 0.5 (0.2, 1.0)       | 0.0000288 (0.0000112, 0.0000619) | 0.0006 (0.00025, 0.00120)  | 0.3 (0.1, 0.6)       | 0.000016 (0.0000061, 0.0000359)  | 0.00035 (0.00014, 0.00077) |
| Jambi    | Self-harm                                     | 70  | 1.3 (0.5, 2.7)       | 0.0000773 (0.0000326, 0.0001599) | 0.00162 (0.00073, 0.00305) | 0.6 (0.2, 1.1)       | 0.0000318 (0.0000138, 0.0000620) | 0.0007 (0.00030, 0.00136)  |
| Jambi    | Transport injuries                            | 70  | 12.8 (6.9, 20.9)     | 0.0007696 (0.0004123, 0.0012558) | 0.01611 (0.00939, 0.02453) | 6.0 (3.2, 9.8)       | 0.0003413 (0.0001839, 0.0005586) | 0.00746 (0.00407, 0.01195) |
| Jambi    | Other unintentional injuries                  | 70  | 6.2 (3.3, 10.7)      | 0.0003752 (0.0001970, 0.0006410) | 0.00785 (0.00442, 0.01216) | 3.0 (1.5, 4.9)       | 0.00017 (0.0000870, 0.0002773)   | 0.00372 (0.00197, 0.00596) |
| Jambi    | Diarrheal diseases                            | 75  | 32.0 (19.4, 47.8)    | 0.0037386 (0.0022628, 0.0055764) | 0.05618 (0.03943, 0.07681) | 45.5 (33.4, 61.0)    | 0.0052612 (0.0038546, 0.0070512) | 0.0734 (0.05477, 0.09626)  |
| Jambi    | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.3)       | 0.0000108 (0.0000020, 0.0000343) | 0.00016 (0.00003, 0.00053) | 0.1 (0.0, 0.3)       | 0.0000112 (0.0000023, 0.0000358) | 0.00016 (0.00003, 0.00049) |
| Jambi    | Lower respiratory infections                  | 75  | 16.3 (8.3, 26.5)     | 0.0019072 (0.0009726, 0.0030962) | 0.02864 (0.01601, 0.04325) | 19.8 (11.4, 30.1)    | 0.0022896 (0.0013208, 0.0034746) | 0.03195 (0.01877, 0.04719) |
| Jambi    | Malaria                                       | 75  | 3.4 (1.0, 8.7)       | 0.0003934 (0.0001192, 0.0010138) | 0.00593 (0.00192, 0.01469) | 2.2 (0.6, 5.9)       | 0.000249 (0.0000665, 0.0006781)  | 0.00347 (0.00094, 0.00939) |
| Jambi    | Tuberculosis                                  | 75  | 40.8 (24.7, 62.0)    | 0.004761 (0.0028834, 0.0072383)  | 0.07147 (0.04963, 0.09540) | 29.1 (18.3, 41.9)    | 0.0033599 (0.0021142, 0.0048450) | 0.04683 (0.02994, 0.06637) |
| Jambi    | Other communicable diseases                   | 75  | 8.8 (4.5, 15.2)      | 0.0010266 (0.0005248, 0.0017737) | 0.01542 (0.00858, 0.02456) | 10.1 (5.7, 16.0)     | 0.0011677 (0.0006595, 0.0018522) | 0.01629 (0.00907, 0.02622) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 75  | 4.6 (1.7, 9.8)       | 0.0005413 (0.0002010, 0.0011406) | 0.00816 (0.00314, 0.01610) | 1.5 (0.5, 3.3)       | 0.0001719 (0.0000585, 0.0003762) | 0.0024 (0.00082, 0.00518)  |
| Jambi    | Breast cancer                                 | 75  | 0.1 (0.0, 0.3)       | 0.000011 (0.0000021, 0.0000318)  | 0.00017 (0.00003, 0.00045) | 2.7 (1.0, 5.4)       | 0.0003165 (0.0001175, 0.0006218) | 0.00441 (0.00164, 0.00860) |
| Jambi    | Cervical cancer                               | 75  |                      |                                  |                            | 2.7 (0.9, 5.6)       | 0.0003146 (0.0001090, 0.0006504) | 0.00438 (0.00158, 0.00881) |
| Jambi    | Other malignant neoplasms                     | 75  | 8.0 (4.5, 13.4)      | 0.0009387 (0.0005262, 0.0015701) | 0.0141 (0.00862, 0.02150)  | 9.5 (5.3, 15.4)      | 0.0010943 (0.0006111, 0.0017774) | 0.01525 (0.00885, 0.02425) |
| Jambi    | Cerebrovascular disease                       | 75  | 149.3 (104.9, 204.5) | 0.0174303 (0.0122473, 0.0238710) | 0.26176 (0.22488, 0.30112) | 192.7 (160.1, 227.3) | 0.0222538 (0.0184882, 0.0262533) | 0.31027 (0.27162, 0.35129) |
| Jambi    | Ischemic heart disease                        | 75  | 78.2 (51.0, 112.2)   | 0.0091311 (0.0059510, 0.0131006) | 0.13729 (0.10371, 0.17272) | 67.4 (48.5, 89.5)    | 0.0077892 (0.0056012, 0.0103422) | 0.1086 (0.08017, 0.13875)  |
| Jambi    | Other cardiovascular and circulatory diseases | 75  | 40.9 (23.0, 65.9)    | 0.0047747 (0.0026825, 0.0076908) | 0.07173 (0.04556, 0.10164) | 52.6 (33.4, 74.5)    | 0.0060811 (0.0038636, 0.0086008) | 0.08477 (0.05562, 0.11710) |
| Jambi    | Diabetes mellitus                             | 75  | 17.6 (11.0, 26.6)    | 0.00206 (0.0012824, 0.0031059)   | 0.03095 (0.02221, 0.04094) | 28.7 (19.9, 38.2)    | 0.0033103 (0.0023028, 0.0044163) | 0.04615 (0.03314, 0.06087) |
| Jambi    | Chronic kidney disease                        | 75  | 11.8 (7.1, 17.9)     | 0.0013742 (0.0008289, 0.0020852) | 0.02066 (0.01459, 0.02780) | 12.0 (8.4, 16.6)     | 0.0013827 (0.0009703, 0.0019162) | 0.01928 (0.01403, 0.02587) |
| Jambi    | Cirrhosis                                     | 75  | 11.6 (6.1, 18.9)     | 0.0013539 (0.0007096, 0.0022052) | 0.02032 (0.01226, 0.02960) | 9.6 (5.6, 14.4)      | 0.0011114 (0.0006523, 0.0016671) | 0.0155 (0.00930, 0.02249)  |
| Jambi    | Chronic respiratory diseases                  | 75  | 67.0 (45.3, 95.1)    | 0.007821 (0.0052876, 0.0111093)  | 0.11777 (0.09153, 0.14773) | 50.2 (37.3, 67.4)    | 0.0058007 (0.0043060, 0.0077834) | 0.08084 (0.06145, 0.10553) |
| Jambi    | Other non-communicable diseases               | 75  | 58.7 (38.6, 85.6)    | 0.006853 (0.0045040, 0.0099899)  | 0.10307 (0.08000, 0.12947) | 71.6 (54.1, 92.0)    | 0.0082738 (0.0062437, 0.0106313) | 0.11533 (0.08945, 0.14313) |
| Jambi    | Drowning                                      | 75  | 2.0 (0.7, 4.3)       | 0.000235 (0.0000850, 0.0005055)  | 0.00354 (0.00146, 0.00765) | 1.6 (0.7, 3.3)       | 0.0001866 (0.0000785, 0.0003789) | 0.0026 (0.00108, 0.00517)  |
| Jambi    | Falls                                         | 75  | 6.5 (3.2, 11.3)      | 0.0007642 (0.0003705, 0.0013243) | 0.01148 (0.00633, 0.01932) | 5.4 (3.1, 9.0)       | 0.000623 (0.0003532, 0.0010365)  | 0.00868 (0.00503, 0.01419) |
| Jambi    | Interpersonal violence                        | 75  | 0.3 (0.1, 0.7)       | 0.0000311 (0.0000094, 0.0000840) | 0.00047 (0.00015, 0.00121) | 0.2 (0.1, 0.4)       | 0.0000181 (0.0000059, 0.0000477) | 0.00025 (0.00008, 0.00067) |
| Jambi    | Self-harm                                     | 75  | 0.9 (0.3, 1.9)       | 0.0001016 (0.0000409, 0.0002194) | 0.00153 (0.00067, 0.00303) | 0.4 (0.2, 0.8)       | 0.0000439 (0.0000181, 0.0000923) | 0.00061 (0.00026, 0.00127) |
| Jambi    | Transport injuries                            | 75  | 6.7 (3.3, 12.1)      | 0.0007816 (0.0003859, 0.0014081) | 0.01175 (0.00627, 0.01893) | 3.3 (1.7, 5.7)       | 0.0003757 (0.0001912, 0.0006579) | 0.00524 (0.00270, 0.00889) |
| Jambi    | Other unintentional injuries                  | 75  | 4.2 (2.1, 7.3)       | 0.0004944 (0.0002399, 0.0008513) | 0.00744 (0.00409, 0.01192) | 2.1 (1.0, 3.6)       | 0.0002412 (0.0001191, 0.0004143) | 0.00336 (0.00166, 0.00572) |



Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                      |                                   |                            | Females                    |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jambi            | Diarrheal diseases                                       | 80  | 87.4 (60.8, 119.4)         | 0.0124121 (0.0086265, 0.0169448)  | 0.09291 (0.06996, 0.12158) | 155.3 (120.0, 198.9)       | 0.0162813 (0.0125836, 0.0208568) | 0.10644 (0.08309, 0.13378) |
| Jambi            | HIV/AIDS                                                 | 80  | 0.2 (0.0, 0.6)             | 0.0000226 (0.0000036, 0.0000839)  | 0.00017 (0.00003, 0.00062) | 0.2 (0.0, 0.9)             | 0.0000243 (0.0000040, 0.0000906) | 0.00016 (0.00003, 0.00060) |
| Jambi            | Lower respiratory infections                             | 80  | 32.0 (17.5, 50.8)          | 0.0045401 (0.0024829, 0.0072130)  | 0.03398 (0.01939, 0.05163) | 51.9 (30.6, 77.6)          | 0.0054466 (0.0032112, 0.0081355) | 0.03562 (0.02098, 0.05361) |
| Jambi            | Malaria                                                  | 80  | 6.0 (1.7, 15.7)            | 0.0008482 (0.0002399, 0.0022268)  | 0.00636 (0.00186, 0.01664) | 5.3 (1.3, 14.2)            | 0.0005571 (0.0001405, 0.0014855) | 0.00364 (0.00096, 0.00977) |
| Jambi            | Tuberculosis                                             | 80  | 61.7 (39.4, 89.7)          | 0.0087573 (0.0055999, 0.0127279)  | 0.06553 (0.04365, 0.09049) | 67.1 (41.4, 97.5)          | 0.0070394 (0.0043457, 0.0102212) | 0.04599 (0.02920, 0.06543) |
| Jambi            | Other communicable diseases                              | 80  | 16.6 (9.0, 27.2)           | 0.0023577 (0.0012753, 0.0038639)  | 0.01765 (0.00995, 0.02822) | 23.3 (13.1, 37.2)          | 0.0024399 (0.0013730, 0.0038988) | 0.01595 (0.00921, 0.02572) |
| Jambi            | Tracheal, bronchus, and lung cancer                      | 80  | 5.8 (2.2, 12.8)            | 0.0008218 (0.0003059, 0.0018123)  | 0.00617 (0.00225, 0.01299) | 2.9 (1.0, 6.5)             | 0.0002996 (0.0001010, 0.0006822) | 0.00196 (0.00066, 0.00442) |
| Jambi            | Breast cancer                                            | 80  | 0.1 (0.0, 0.3)             | 0.0000159 (0.0000028, 0.0000465)  | 0.00012 (0.00002, 0.00035) | 4.4 (1.4, 9.3)             | 0.0004574 (0.0001520, 0.0009716) | 0.00299 (0.00100, 0.00621) |
| Jambi            | Cervical cancer                                          | 80  |                            |                                   |                            | 3.5 (1.0, 7.9)             | 0.0003649 (0.0001046, 0.0008314) | 0.00238 (0.00070, 0.00540) |
| Jambi            | Other malignant neoplasms                                | 80  | 10.7 (6.2, 17.4)           | 0.0015238 (0.0008740, 0.0024684)  | 0.0114 (0.00690, 0.01706)  | 17.7 (10.4, 28.8)          | 0.0018557 (0.0010890, 0.0030225) | 0.01212 (0.00721, 0.01912) |
| Jambi            | Cerebrovascular disease                                  | 80  | 241.5 (184.7, 309.3)       | 0.0342837 (0.0262203, 0.0439105)  | 0.25649 (0.21863, 0.29619) | 441.6 (375.8, 511.9)       | 0.0463013 (0.0393995, 0.0536722) | 0.30261 (0.26176, 0.34265) |
| Jambi            | Ischemic heart disease                                   | 80  | 113.4 (79.8, 156.0)        | 0.0160978 (0.0113263, 0.0221421)  | 0.12054 (0.09043, 0.15532) | 153.9 (112.9, 203.8)       | 0.0161412 (0.0118374, 0.0213732) | 0.10549 (0.07784, 0.13552) |
| Jambi            | Other cardiovascular and circulatory diseases            | 80  | 62.2 (37.6, 95.7)          | 0.008837 (0.0053341, 0.0135799)   | 0.06613 (0.04108, 0.09577) | 113.3 (71.2, 162.1)        | 0.0118764 (0.0074656, 0.0169990) | 0.07761 (0.04932, 0.10914) |
| Jambi            | Diabetes mellitus                                        | 80  | 22.6 (14.7, 32.9)          | 0.003209 (0.0020908, 0.0046712)   | 0.02401 (0.01673, 0.03216) | 53.6 (37.5, 72.0)          | 0.0056205 (0.0039369, 0.0075466) | 0.03673 (0.02594, 0.04909) |
| Jambi            | Chronic kidney disease                                   | 80  | 15.5 (9.7, 22.6)           | 0.0022054 (0.0013814, 0.0032014)  | 0.01651 (0.01143, 0.02256) | 23.6 (16.3, 32.8)          | 0.0024721 (0.0017141, 0.0034438) | 0.01616 (0.01145, 0.02199) |
| Jambi            | Cirrhosis                                                | 80  | 15.9 (8.6, 24.7)           | 0.0022608 (0.0012200, 0.0035106)  | 0.01691 (0.00995, 0.02467) | 18.1 (10.7, 26.9)          | 0.0019015 (0.0011173, 0.0028172) | 0.01243 (0.00750, 0.01830) |
| Jambi            | Chronic respiratory diseases                             | 80  | 110.2 (80.3, 148.0)        | 0.015646 (0.0113997, 0.0210168)   | 0.11726 (0.09130, 0.14555) | 114.7 (85.9, 152.0)        | 0.0120232 (0.0090060, 0.0159407) | 0.07856 (0.05882, 0.10138) |
| Jambi            | Other non-communicable diseases                          | 80  | 104.9 (75.7, 143.9)        | 0.0148872 (0.0107406, 0.0204270)  | 0.11151 (0.08718, 0.13986) | 180.8 (138.2, 227.1)       | 0.0189563 (0.0144890, 0.0238136) | 0.12387 (0.09585, 0.15440) |
| Jambi            | Drowning                                                 | 80  | 3.3 (1.2, 7.3)             | 0.000462 (0.0001660, 0.0010320)   | 0.00347 (0.00134, 0.00786) | 3.0 (1.1, 6.7)             | 0.0003169 (0.0001174, 0.0006981) | 0.00207 (0.00077, 0.00457) |
| Jambi            | Falls                                                    | 80  | 13.8 (7.3, 22.4)           | 0.0019627 (0.0010420, 0.0031739)  | 0.0147 (0.00812, 0.02304)  | 14.0 (8.0, 22.3)           | 0.0014671 (0.0008429, 0.0023379) | 0.00958 (0.00566, 0.01471) |
| Jambi            | Interpersonal violence                                   | 80  | 0.3 (0.1, 1.0)             | 0.0000455 (0.0000095, 0.0001420)  | 0.00034 (0.00007, 0.00103) | 0.3 (0.1, 0.8)             | 0.0000295 (0.0000063, 0.0000891) | 0.00019 (0.00004, 0.00059) |
| Jambi            | Self-harm                                                | 80  | 1.2 (0.5, 2.6)             | 0.000177 (0.0000667, 0.0003728)   | 0.00133 (0.00051, 0.00284) | 0.8 (0.3, 1.9)             | 0.0000876 (0.0000322, 0.0001940) | 0.00057 (0.00021, 0.00128) |
| Jambi            | Transport injuries                                       | 80  | 9.3 (4.5, 16.2)            | 0.001315 (0.0006330, 0.0022994)   | 0.00985 (0.00477, 0.01628) | 5.8 (2.5, 10.2)            | 0.0006102 (0.0002653, 0.0010668) | 0.00399 (0.00173, 0.00689) |
| Jambi            | Other unintentional injuries                             | 80  | 6.3 (2.9, 10.7)            | 0.0008922 (0.0004179, 0.0015165)  | 0.00669 (0.00336, 0.01127) | 4.2 (2.0, 7.3)             | 0.0004426 (0.0002130, 0.0007639) | 0.00289 (0.00139, 0.00501) |
| Jambi            | Diarrheal diseases                                       | All | 463.0 (315.0, 656.2)       | 0.0002711 (0.0001844, 0.0003842)  | 0.05273 (0.03674, 0.07159) | 585.6 (423.4, 774.0)       | 0.0003599 (0.0002602, 0.0004757) | 0.0712 (0.05282, 0.09272)  |
| Jambi            | HIV/AIDS                                                 | All | 22.8 (6.4, 58.4)           | 0.0000133 (0.0000037, 0.0000342)  | 0.0026 (0.00073, 0.00692)  | 16.1 (4.5, 42.0)           | 0.0000099 (0.0000028, 0.0000258) | 0.00196 (0.00056, 0.00503) |
| Jambi            | Lower respiratory infections                             | All | 350.3 (224.7, 484.7)       | 0.0002051 (0.0001316, 0.0002838)  | 0.03994 (0.02672, 0.05514) | 308.3 (200.9, 432.1)       | 0.0001895 (0.0001235, 0.0002655) | 0.03748 (0.02513, 0.05119) |
| Jambi            | Malaria                                                  | All | 81.4 (29.7, 188.5)         | 0.0000477 (0.0000174, 0.0001104)  | 0.00928 (0.00344, 0.02108) | 53.3 (16.9, 126.3)         | 0.0000327 (0.0000104, 0.0000776) | 0.00646 (0.00213, 0.01526) |
| Jambi            | Tuberculosis                                             | All | 714.1 (488.6, 1,005.1)     | 0.0004181 (0.0002860, 0.0005884)  | 0.08114 (0.05890, 0.10343) | 455.9 (302.9, 638.3)       | 0.0002801 (0.0001862, 0.0003923) | 0.05532 (0.03804, 0.07364) |
| Jambi            | Maternal disorders                                       | All |                            |                                   |                            | 69.3 (48.5, 94.0)          | 0.0000426 (0.0000298, 0.0000578) | 0.00084 (0.00625, 0.01075) |
| Jambi            | Neonatal encephalopathy due to birth asphyxia and trauma | All | 125.3 (53.0, 220.2)        | 0.0000733 (0.00000310, 0.0001289) | 0.01427 (0.00632, 0.02527) | 89.9 (41.1, 166.9)         | 0.0000553 (0.0000252, 0.0001025) | 0.01089 (0.00498, 0.02009) |
| Jambi            | Preterm birth complications                              | All | 128.8 (54.0, 237.2)        | 0.0000754 (0.00000316, 0.0001389) | 0.01467 (0.00616, 0.02643) | 125.9 (57.7, 230.1)        | 0.0000774 (0.0000355, 0.0001414) | 0.01525 (0.00717, 0.02769) |
| Jambi            | Other neonatal disorders                                 | All | 75.2 (23.9, 173.9)         | 0.000044 (0.0000140, 0.0001018)   | 0.00857 (0.00275, 0.01940) | 53.0 (16.4, 127.6)         | 0.0000325 (0.0000101, 0.0000784) | 0.00642 (0.00194, 0.01527) |
| Jambi            | Other communicable diseases                              | All | 442.4 (297.3, 616.5)       | 0.000259 (0.0001740, 0.0003609)   | 0.05048 (0.03463, 0.06881) | 350.0 (230.5, 489.5)       | 0.0002151 (0.0001417, 0.0003008) | 0.04251 (0.02850, 0.05820) |
| Jambi            | Tracheal, bronchus, and lung cancer                      | All | 86.2 (33.6, 171.3)         | 0.0000504 (0.0000197, 0.0001003)  | 0.0098 (0.00393, 0.01881)  | 34.7 (13.1, 68.8)          | 0.0000213 (0.0000081, 0.0000423) | 0.00421 (0.00162, 0.00835) |
| Jambi            | Breast cancer                                            | All | 2.9 (0.9, 6.5)             | 0.0000017 (0.0000005, 0.0000038)  | 0.00033 (0.00011, 0.00071) | 152.2 (67.5, 273.8)        | 0.0000935 (0.0000415, 0.0001683) | 0.01842 (0.00866, 0.03143) |
| Jambi            | Cervical cancer                                          | All |                            |                                   |                            | 132.4 (55.6, 246.9)        | 0.0000813 (0.0000341, 0.0001517) | 0.01603 (0.00708, 0.02885) |
| Jambi            | Other malignant neoplasms                                | All | 277.7 (174.1, 426.2)       | 0.0001626 (0.0001020, 0.0002495)  | 0.03159 (0.02049, 0.04558) | 222.2 (127.9, 362.4)       | 0.0001365 (0.0000786, 0.0002227) | 0.02694 (0.01597, 0.04227) |
| Jambi            | Cerebrovascular disease                                  | All | 1,537.0 (1,140.3, 2,003.8) | 0.0008998 (0.0006676, 0.0011731)  | 0.17443 (0.14463, 0.20866) | 1,822.4 (1,478.3, 2,197.4) | 0.0011199 (0.0009085, 0.0013504) | 0.22133 (0.18908, 0.25374) |
| Jambi            | Ischemic heart disease                                   | All | 895.4 (622.8, 1,224.8)     | 0.0005242 (0.0003646, 0.0007171)  | 0.10168 (0.07693, 0.12849) | 667.6 (470.0, 911.9)       | 0.0004102 (0.0002888, 0.0005604) | 0.08108 (0.05958, 0.10487) |
| Jambi            | Other cardiovascular and circulatory diseases            | All | 401.1 (232.8, 621.6)       | 0.0002349 (0.0001363, 0.0003639)  | 0.04553 (0.02842, 0.06601) | 494.0 (308.3, 718.6)       | 0.0003036 (0.0001895, 0.0004416) | 0.05996 (0.03888, 0.08492) |
| Jambi            | Diabetes mellitus                                        | All | 322.1 (217.4, 458.5)       | 0.0001886 (0.0001273, 0.0002684)  | 0.03655 (0.02698, 0.04822) | 447.8 (311.0, 603.6)       | 0.0002752 (0.0001911, 0.0003709) | 0.05435 (0.04024, 0.07157) |
| Jambi            | Chronic kidney disease                                   | All | 225.3 (151.8, 323.8)       | 0.0001319 (0.0000889, 0.0001896)  | 0.02562 (0.01816, 0.03388) | 207.4 (146.0, 286.5)       | 0.0001274 (0.0000897, 0.0001761) | 0.02516 (0.01835, 0.03375) |
| Jambi            | Cirrhosis                                                | All | 275.5 (162.7, 413.5)       | 0.0001613 (0.0000953, 0.0002421)  | 0.03132 (0.01924, 0.04497) | 183.2 (108.8, 271.2)       | 0.0001126 (0.0000669, 0.0001667) | 0.02222 (0.01379, 0.03203) |
| Jambi            | Chronic respiratory diseases                             | All | 614.1 (421.4, 854.0)       | 0.0003595 (0.0002467, 0.0005000)  | 0.06979 (0.05188, 0.08942) | 453.6 (330.1, 624.0)       | 0.0002787 (0.0002028, 0.0003835) | 0.05506 (0.04116, 0.07243) |
| Jambi            | Other non-communicable diseases                          | All | 805.7 (603.0, 1,082.1)     | 0.0004717 (0.0003530, 0.0006335)  | 0.09164 (0.07313, 0.11135) | 894.1 (689.6, 1,136.9)     | 0.0005494 (0.0004238, 0.0006987) | 0.10854 (0.08653, 0.13213) |
| Jambi            | Drowning                                                 | All | 124.2 (76.9, 191.3)        | 0.0000727 (0.0000450, 0.0001120)  | 0.0142 (0.00867, 0.02206)  | 49.9 (28.4, 83.0)          | 0.0000306 (0.0000174, 0.0000510) | 0.00606 (0.00350, 0.01003) |
| Jambi            | Falls                                                    | All | 97.2 (51.7, 161.8)         | 0.0000569 (0.0000303, 0.0000948)  | 0.01105 (0.00613, 0.01808) | 65.7 (36.6, 109.4)         | 0.0000403 (0.0000225, 0.0000672) | 0.00797 (0.00455, 0.01267) |
| Jambi            | Interpersonal violence                                   | All | 30.0 (18.4, 46.4)          | 0.0000176 (0.0000108, 0.0000272)  | 0.00342 (0.00216, 0.00517) | 19.7 (10.8, 32.1)          | 0.0000121 (0.0000067, 0.0000198) | 0.00239 (0.00141, 0.00379) |
| Jambi            | Self-harm                                                | All | 35.1 (18.2, 61.1)          | 0.0000206 (0.0000106, 0.0000358)  | 0.004 (0.00211, 0.00672)   | 18.4 (8.8, 33.2)           | 0.0000113 (0.0000054, 0.0000204) | 0.00224 (0.00109, 0.00387) |
| Jambi            | Transport injuries                                       | All | 483.6 (340.0, 662.0)       | 0.0002831 (0.0001991, 0.0003876)  | 0.0551 (0.04034, 0.07193)  | 188.7 (124.3, 274.6)       | 0.0001159 (0.0000764, 0.0001688) | 0.02289 (0.01558, 0.03189) |
| Jambi            | Other unintentional injuries                             | All | 177.9 (111.7, 257.7)       | 0.0001042 (0.0000654, 0.0001509)  | 0.02028 (0.01330, 0.02835) | 76.4 (44.4, 119.0)         | 0.000047 (0.0000273, 0.0000731)  | 0.00926 (0.00542, 0.01387) |
| Sumatera Selatan | Diarrheal diseases                                       | NN  | 22.4 (9.4, 41.7)           | 0.00331 (0.0013973, 0.0061659)    | 0.01301 (0.00855, 0.01882) | 16.1 (7.0, 31.3)           | 0.0024595 (0.0010671, 0.0047789) | 0.01433 (0.00948, 0.02067) |
| Sumatera Selatan | Lower respiratory infections                             | NN  | 179.6 (87.3, 289.8)        | 0.0265885 (0.0129168, 0.0429028)  | 0.10477 (0.08356, 0.12897) | 96.3 (47.7, 167.5)         | 0.0147048 (0.0072833, 0.0255669) | 0.08568 (0.06780, 0.10559) |
| Sumatera Selatan | Malaria                                                  | NN  | 0.7 (0.1, 2.0)             | 0.0000967 (0.0000218, 0.0002979)  | 0.00038 (0.00011, 0.00100) | 0.3 (0.1, 1.0)             | 0.0000511 (0.0000119, 0.0001601) | 0.0003 (0.00009, 0.00077)  |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 502.9 (252.9, 812.3)       | 0.0744356 (0.0374410, 0.1202421)  | 0.29304 (0.24391, 0.34315) | 300.2 (151.5, 510.1)       | 0.0458184 (0.0231238, 0.0778664) | 0.26689 (0.21997, 0.31725) |
| Sumatera Selatan | Preterm birth complications                              | NN  | 436.0 (210.8, 701.9)       | 0.064538 (0.0311997, 0.1038984)   | 0.25448 (0.19568, 0.31283) | 345.1 (172.6, 594.3)       | 0.052685 (0.0263465, 0.0907244)  | 0.30691 (0.24950, 0.36542) |
| Sumatera Selatan | Other neonatal disorders                                 | NN  | 180.7 (68.9, 348.5)        | 0.0267475 (0.0102045, 0.0515829)  | 0.10532 (0.05790, 0.16627) | 102.1 (39.2, 206.4)        | 0.0155823 (0.0059861, 0.0315118) | 0.09095 (0.04761, 0.14743) |
| Sumatera Selatan | Other communicable diseases                              | NN  | 19.7 (8.3, 37.3)           | 0.0029146 (0.0012228, 0.0055253)  | 0.01146 (0.00717, 0.01751) | 9.8 (4.2, 19.4)            | 0.001503 (0.0006365, 0.0029594)  | 0.00878 (0.00535, 0.01351) |
| Sumatera Selatan | Other malignant neoplasms                                | NN  | 12.4 (4.7, 23.6)           | 0.0018289 (0.0006970, 0.0034961)  | 0.00722 (0.00416, 0.01115) | 8.8 (3.5, 17.1)            | 0.0013461 (0.0005373, 0.0026122) | 0.00786 (0.00447, 0.01282) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                |                                  |                             | Females              |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Cerebrovascular disease                                  | NN  | 4.1 (1.1, 10.0)      | 0.0006048 (0.0001606, 0.0014853) | 0.00239 (0.00082, 0.00535)  | 3.8 (1.0, 9.9)       | 0.0005786 (0.0001501, 0.0015124) | 0.00334 (0.00119, 0.00749) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | NN  | 7.1 (1.7, 18.8)      | 0.0010512 (0.0002548, 0.0027759) | 0.00413 (0.00130, 0.00917)  | 5.9 (1.5, 14.9)      | 0.000906 (0.0002310, 0.0022790)  | 0.00531 (0.00172, 0.01227) |
| Sumatera Selatan | Diabetes mellitus                                        | NN  | 0.9 (0.0, 7.0)       | 0.0001271 (0.0000006, 0.0010341) | 0.00049 (0.00000, 0.00363)  | 0.9 (0.0, 6.8)       | 0.0001405 (0.0000007, 0.0010350) | 0.0008 (0.00000, 0.00588)  |
| Sumatera Selatan | Other non-communicable diseases                          | NN  | 264.1 (135.6, 415.1) | 0.0390932 (0.0200740, 0.0614386) | 0.15406 (0.13611, 0.17200)  | 211.8 (110.7, 351.7) | 0.0323275 (0.0168950, 0.0536919) | 0.18845 (0.16829, 0.20963) |
| Sumatera Selatan | Drowning                                                 | NN  | 24.2 (8.9, 47.2)     | 0.003575 (0.0013247, 0.0069889)  | 0.01412 (0.00773, 0.02438)  | 5.3 (1.9, 11.5)      | 0.0008141 (0.0002932, 0.0017515) | 0.00478 (0.00237, 0.00844) |
| Sumatera Selatan | Falls                                                    | NN  | 4.3 (1.3, 10.1)      | 0.0006317 (0.0001928, 0.0014918) | 0.00249 (0.00109, 0.00477)  | 1.3 (0.4, 3.1)       | 0.0001964 (0.0000588, 0.0004702) | 0.00115 (0.00045, 0.00223) |
| Sumatera Selatan | Interpersonal violence                                   | NN  | 4.0 (1.2, 9.4)       | 0.000592 (0.0001814, 0.0013936)  | 0.00232 (0.00095, 0.00453)  | 2.1 (0.6, 5.1)       | 0.0003139 (0.0000960, 0.0007782) | 0.00184 (0.00070, 0.00368) |
| Sumatera Selatan | Transport injuries                                       | NN  | 16.2 (6.0, 32.3)     | 0.0023949 (0.0008890, 0.0047869) | 0.00939 (0.00513, 0.01558)  | 3.6 (1.3, 7.5)       | 0.0005511 (0.0002012, 0.0011420) | 0.00321 (0.00162, 0.00532) |
| Sumatera Selatan | Other unintentional injuries                             | NN  | 35.9 (14.8, 66.3)    | 0.0053071 (0.0021941, 0.0098180) | 0.02092 (0.01279, 0.03230)  | 10.6 (4.5, 22.1)     | 0.0016197 (0.0006869, 0.0033677) | 0.00943 (0.00576, 0.01461) |
| Sumatera Selatan | Diarrheal diseases                                       | PNN | 403.2 (199.4, 663.7) | 0.0047822 (0.0023651, 0.0078711) | 0.259 (0.20867, 0.30922)    | 461.3 (228.9, 782.3) | 0.0056417 (0.0027990, 0.0095678) | 0.31229 (0.25800, 0.36292) |
| Sumatera Selatan | HIV/AIDS                                                 | PNN | 9.5 (2.6, 24.4)      | 0.0001127 (0.0000314, 0.0002897) | 0.00614 (0.00204, 0.01444)  | 7.9 (2.2, 20.4)      | 0.0000962 (0.0000265, 0.0002500) | 0.00532 (0.00170, 0.01277) |
| Sumatera Selatan | Lower respiratory infections                             | PNN | 241.4 (118.4, 389.2) | 0.002863 (0.0014038, 0.0046161)  | 0.15521 (0.12882, 0.18427)  | 195.7 (98.1, 326.4)  | 0.0023929 (0.0012002, 0.0039917) | 0.13268 (0.10833, 0.15970) |
| Sumatera Selatan | Malaria                                                  | PNN | 11.3 (2.9, 32.3)     | 0.0001343 (0.0000340, 0.0003828) | 0.00731 (0.00220, 0.01815)  | 9.4 (2.3, 25.8)      | 0.0001151 (0.0000286, 0.0003156) | 0.00636 (0.00190, 0.01535) |
| Sumatera Selatan | Tuberculosis                                             | PNN | 48.4 (20.5, 85.4)    | 0.0005739 (0.0002435, 0.0010129) | 0.03107 (0.01983, 0.04463)  | 41.9 (17.7, 77.6)    | 0.0005124 (0.0002160, 0.0009485) | 0.02828 (0.01711, 0.04217) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 21.8 (6.5, 50.5)     | 0.000259 (0.0000773, 0.0005984)  | 0.01413 (0.00510, 0.03048)  | 18.8 (5.2, 43.5)     | 0.0002296 (0.0000640, 0.0005316) | 0.0128 (0.00456, 0.02912)  |
| Sumatera Selatan | Preterm birth complications                              | PNN | 48.2 (18.4, 99.3)    | 0.0005717 (0.0002184, 0.0011780) | 0.03105 (0.01568, 0.05318)  | 62.5 (24.2, 131.7)   | 0.0007649 (0.0002963, 0.0016107) | 0.04229 (0.02238, 0.07116) |
| Sumatera Selatan | Other neonatal disorders                                 | PNN | 27.9 (7.9, 68.5)     | 0.0003315 (0.0000939, 0.0008129) | 0.01804 (0.00625, 0.03702)  | 24.0 (6.2, 64.9)     | 0.0002935 (0.0000764, 0.0007936) | 0.01614 (0.00549, 0.03612) |
| Sumatera Selatan | Other communicable diseases                              | PNN | 394.6 (188.5, 646.7) | 0.00468 (0.0022352, 0.0076695)   | 0.25349 (0.20279, 0.30327)  | 314.3 (153.0, 520.8) | 0.0038435 (0.0018707, 0.0063691) | 0.21298 (0.16692, 0.25990) |
| Sumatera Selatan | Other malignant neoplasms                                | PNN | 10.9 (4.4, 20.9)     | 0.0001287 (0.0000517, 0.0002480) | 0.00695 (0.00400, 0.01067)  | 11.3 (4.6, 22.5)     | 0.0001378 (0.0000567, 0.0002746) | 0.0076 (0.00438, 0.01233)  |
| Sumatera Selatan | Cerebrovascular disease                                  | PNN | 3.6 (0.9, 9.1)       | 0.0000424 (0.0000112, 0.0001081) | 0.00229 (0.00077, 0.00514)  | 4.8 (1.3, 12.4)      | 0.0000586 (0.0000154, 0.0001517) | 0.00322 (0.00115, 0.00716) |
| Sumatera Selatan | Ischemic heart disease                                   | PNN | 3.1 (0.2, 13.4)      | 0.0000363 (0.0000022, 0.0001592) | 0.00197 (0.00016, 0.00876)  | 4.2 (0.3, 19.7)      | 0.0000515 (0.0000033, 0.0002411) | 0.00285 (0.00024, 0.01209) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | PNN | 6.1 (1.6, 15.3)      | 0.0000728 (0.0000185, 0.0001816) | 0.00394 (0.00124, 0.00890)  | 7.5 (1.9, 19.7)      | 0.0000921 (0.0000238, 0.0002412) | 0.00508 (0.00166, 0.01162) |
| Sumatera Selatan | Diabetes mellitus                                        | PNN | 0.8 (0.0, 6.2)       | 0.0000094 (0.0000000, 0.0000737) | 0.00048 (0.00000, 0.00356)  | 1.2 (0.0, 8.3)       | 0.0000146 (0.0000001, 0.0001018) | 0.00077 (0.00000, 0.00575) |
| Sumatera Selatan | Chronic kidney disease                                   | PNN | 11.2 (4.3, 23.9)     | 0.0001332 (0.0000514, 0.0002833) | 0.00719 (0.00375, 0.01269)  | 12.9 (4.8, 27.7)     | 0.0001572 (0.0000588, 0.0003392) | 0.00868 (0.00448, 0.01512) |
| Sumatera Selatan | Other non-communicable diseases                          | PNN | 227.9 (111.7, 362.7) | 0.002703 (0.0013243, 0.0043010)  | 0.14655 (0.12884, 0.16522)  | 265.0 (134.6, 429.3) | 0.0032411 (0.0016457, 0.0052500) | 0.17964 (0.15870, 0.20072) |
| Sumatera Selatan | Drowning                                                 | PNN | 25.2 (11.0, 46.4)    | 0.000299 (0.0001304, 0.0005506)  | 0.01632 (0.00942, 0.02693)  | 8.2 (3.2, 17.1)      | 0.0001007 (0.0000393, 0.0002096) | 0.00558 (0.00292, 0.00939) |
| Sumatera Selatan | Falls                                                    | PNN | 4.3 (1.5, 9.3)       | 0.0000509 (0.0000180, 0.0001107) | 0.00277 (0.00123, 0.00525)  | 1.9 (0.6, 4.4)       | 0.0000233 (0.0000075, 0.0000538) | 0.00129 (0.00053, 0.00252) |
| Sumatera Selatan | Interpersonal violence                                   | PNN | 3.9 (1.3, 9.6)       | 0.0000467 (0.0000154, 0.0001136) | 0.00252 (0.00107, 0.00486)  | 3.0 (0.9, 7.2)       | 0.0000366 (0.0000111, 0.0000882) | 0.00202 (0.00080, 0.00391) |
| Sumatera Selatan | Transport injuries                                       | PNN | 16.7 (6.6, 31.8)     | 0.0001981 (0.0000778, 0.0003776) | 0.01073 (0.00611, 0.01712)  | 5.5 (2.3, 10.9)      | 0.0000669 (0.0000278, 0.0001339) | 0.00371 (0.00198, 0.00594) |
| Sumatera Selatan | Other unintentional injuries                             | PNN | 35.4 (15.8, 62.7)    | 0.0004204 (0.0001879, 0.0007437) | 0.02284 (0.01437, 0.03394)  | 15.4 (6.8, 29.7)     | 0.0001888 (0.0000836, 0.0003627) | 0.01042 (0.00653, 0.01558) |
| Sumatera Selatan | Diarrheal diseases                                       | 1   | 92.2 (35.6, 187.4)   | 0.0002659 (0.0001027, 0.0005407) | 0.13696 (0.10185, 0.17910)  | 110.9 (45.8, 217.4)  | 0.0003332 (0.0001376, 0.0006533) | 0.18311 (0.14221, 0.23182) |
| Sumatera Selatan | HIV/AIDS                                                 | 1   | 5.0 (1.2, 13.9)      | 0.0000144 (0.0000036, 0.0000401) | 0.00739 (0.000243, 0.01678) | 4.3 (1.1, 12.5)      | 0.000013 (0.0000034, 0.0000375)  | 0.00715 (0.00239, 0.01713) |
| Sumatera Selatan | Lower respiratory infections                             | 1   | 122.7 (48.0, 243.9)  | 0.0003539 (0.0001385, 0.0007038) | 0.18241 (0.15019, 0.21689)  | 105.7 (48.5, 200.2)  | 0.0003177 (0.0001457, 0.0006016) | 0.17458 (0.14016, 0.21064) |
| Sumatera Selatan | Malaria                                                  | 1   | 2.1 (0.4, 6.2)       | 0.000006 (0.0000013, 0.0000178)  | 0.00312 (0.00096, 0.00797)  | 1.8 (0.4, 4.9)       | 0.0000055 (0.0000012, 0.0000147) | 0.00302 (0.00093, 0.00747) |
| Sumatera Selatan | Tuberculosis                                             | 1   | 26.4 (10.0, 55.2)    | 0.0000763 (0.0000288, 0.0001592) | 0.03944 (0.02623, 0.05523)  | 24.4 (10.1, 49.6)    | 0.0000732 (0.0000304, 0.0001491) | 0.04016 (0.02547, 0.05839) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 5.8 (1.4, 16.2)      | 0.0000169 (0.0000041, 0.0000469) | 0.00867 (0.00297, 0.02031)  | 5.0 (1.3, 14.3)      | 0.000015 (0.0000039, 0.0000430)  | 0.00822 (0.00285, 0.01865) |
| Sumatera Selatan | Preterm birth complications                              | 1   | 2.5 (0.4, 7.9)       | 0.0000071 (0.0000011, 0.0000227) | 0.00368 (0.00085, 0.01156)  | 3.2 (0.6, 10.8)      | 0.0000096 (0.0000017, 0.0000326) | 0.00527 (0.00116, 0.01537) |
| Sumatera Selatan | Other neonatal disorders                                 | 1   | 1.2 (0.0, 8.3)       | 0.0000034 (0.0000000, 0.0000239) | 0.00167 (0.00001, 0.01174)  | 1.0 (0.0, 7.5)       | 0.0000029 (0.0000000, 0.0000226) | 0.00154 (0.00001, 0.01042) |
| Sumatera Selatan | Other communicable diseases                              | 1   | 199.7 (81.6, 392.3)  | 0.0005761 (0.0002355, 0.0011317) | 0.29726 (0.24678, 0.34711)  | 171.3 (77.2, 322.3)  | 0.0005147 (0.0002319, 0.0009686) | 0.28287 (0.22758, 0.33851) |
| Sumatera Selatan | Other malignant neoplasms                                | 1   | 4.1 (1.4, 9.0)       | 0.0000117 (0.0000040, 0.0000260) | 0.00606 (0.00350, 0.00937)  | 4.7 (1.8, 10.1)      | 0.000014 (0.0000055, 0.0000304)  | 0.0077 (0.00454, 0.01258)  |
| Sumatera Selatan | Cerebrovascular disease                                  | 1   | 1.5 (0.3, 4.1)       | 0.0000042 (0.0000010, 0.0000117) | 0.00217 (0.00071, 0.00483)  | 2.2 (0.5, 5.4)       | 0.0000065 (0.0000016, 0.0000163) | 0.00354 (0.00124, 0.00791) |
| Sumatera Selatan | Ischemic heart disease                                   | 1   | 1.3 (0.1, 6.0)       | 0.0000037 (0.0000002, 0.0000174) | 0.0019 (0.00015, 0.00846)   | 1.9 (0.1, 8.7)       | 0.0000058 (0.0000004, 0.0000262) | 0.00319 (0.00025, 0.01378) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | 1   | 2.3 (0.5, 6.2)       | 0.0000067 (0.0000016, 0.0000180) | 0.00352 (0.00108, 0.00800)  | 3.2 (0.8, 8.2)       | 0.0000095 (0.0000023, 0.0000247) | 0.00525 (0.00171, 0.01218) |
| Sumatera Selatan | Diabetes mellitus                                        | 1   | 0.3 (0.0, 2.1)       | 0.0000008 (0.0000000, 0.0000061) | 0.00042 (0.00000, 0.00313)  | 0.5 (0.0, 3.4)       | 0.0000014 (0.0000000, 0.0000103) | 0.00079 (0.00000, 0.00576) |
| Sumatera Selatan | Chronic kidney disease                                   | 1   | 4.1 (1.3, 9.0)       | 0.0000117 (0.0000037, 0.0000261) | 0.00606 (0.00303, 0.01101)  | 5.1 (1.8, 12.0)      | 0.0000155 (0.0000054, 0.0000361) | 0.00849 (0.00435, 0.01525) |
| Sumatera Selatan | Cirrhosis                                                | 1   | 5.1 (1.3, 13.7)      | 0.0000148 (0.0000039, 0.0000396) | 0.00756 (0.00313, 0.01532)  | 3.1 (0.9, 7.8)       | 0.0000094 (0.0000027, 0.0000234) | 0.00512 (0.00205, 0.01061) |
| Sumatera Selatan | Chronic respiratory diseases                             | 1   | 13.3 (4.0, 31.5)     | 0.0000385 (0.0000115, 0.0000908) | 0.01984 (0.00958, 0.03450)  | 6.7 (2.1, 16.4)      | 0.0000201 (0.0000064, 0.0000492) | 0.01101 (0.00506, 0.02053) |
| Sumatera Selatan | Other non-communicable diseases                          | 1   | 85.8 (35.0, 169.7)   | 0.0002475 (0.0001009, 0.0004896) | 0.1276 (0.10606, 0.15203)   | 110.0 (51.2, 211.9)  | 0.0003304 (0.0001538, 0.0006368) | 0.18152 (0.15554, 0.20815) |
| Sumatera Selatan | Drowning                                                 | 1   | 36.6 (13.9, 75.2)    | 0.0001055 (0.0000401, 0.0002169) | 0.05461 (0.03580, 0.07808)  | 13.2 (5.0, 27.0)     | 0.0000397 (0.0000150, 0.0000812) | 0.0219 (0.01266, 0.03445)  |
| Sumatera Selatan | Falls                                                    | 1   | 4.4 (1.4, 10.7)      | 0.0000127 (0.0000041, 0.0000308) | 0.00653 (0.00291, 0.01252)  | 2.2 (0.6, 5.7)       | 0.0000065 (0.0000019, 0.0000171) | 0.00353 (0.00146, 0.00726) |
| Sumatera Selatan | Interpersonal violence                                   | 1   | 3.3 (1.0, 7.9)       | 0.0000094 (0.0000028, 0.0000228) | 0.00486 (0.00209, 0.00921)  | 2.8 (0.9, 6.8)       | 0.0000083 (0.0000026, 0.0000205) | 0.00452 (0.00191, 0.00885) |
| Sumatera Selatan | Transport injuries                                       | 1   | 21.5 (7.7, 45.8)     | 0.0000622 (0.0000223, 0.0001321) | 0.03216 (0.01966, 0.04797)  | 7.9 (3.0, 16.5)      | 0.0000236 (0.0000089, 0.0000496) | 0.01301 (0.00727, 0.02108) |
| Sumatera Selatan | Other unintentional injuries                             | 1   | 31.0 (11.4, 64.2)    | 0.0000895 (0.0000329, 0.0001852) | 0.04612 (0.02950, 0.06567)  | 14.9 (5.8, 31.2)     | 0.0000447 (0.0000175, 0.0000938) | 0.02449 (0.01502, 0.03739) |
| Sumatera Selatan | Diarrheal diseases                                       | 5   | 28.2 (19.8, 38.7)    | 0.0000675 (0.0000475, 0.0000927) | 0.09033 (0.06618, 0.12003)  | 26.8 (19.3, 35.6)    | 0.0000682 (0.0000498, 0.0000908) | 0.12912 (0.09532, 0.16577) |
| Sumatera Selatan | HIV/AIDS                                                 | 5   | 1.1 (0.3, 2.9)       | 0.0000026 (0.0000006, 0.0000069) | 0.00346 (0.000086, 0.00946) | 0.7 (0.2, 2.0)       | 0.0000019 (0.0000005, 0.0000050) | 0.00352 (0.00092, 0.00945) |
| Sumatera Selatan | Lower respiratory infections                             | 5   | 24.8 (17.5, 32.8)    | 0.0000593 (0.0000418, 0.0000787) | 0.07937 (0.05702, 0.10210)  | 16.7 (12.0, 22.4)    | 0.0000426 (0.0000307, 0.0000570) | 0.0807 (0.05815, 0.10601)  |
| Sumatera Selatan | Malaria                                                  | 5   | 0.6 (0.2, 1.7)       | 0.0000015 (0.0000004, 0.0000040) | 0.00205 (0.00059, 0.00532)  | 0.4 (0.1, 1.1)       | 0.0000011 (0.0000003, 0.0000027) | 0.00211 (0.00067, 0.00519) |
| Sumatera Selatan | Tuberculosis                                             | 5   | 7.7 (4.9, 11.9)      | 0.0000185 (0.0000118, 0.0000284) | 0.02476 (0.01599, 0.03636)  | 5.5 (3.5, 8.2)       | 0.0000141 (0.0000089, 0.0000208) | 0.02673 (0.01713, 0.03928) |
| Sumatera Selatan | Other communicable diseases                              | 5   | 60.4 (48.1, 74.9)    | 0.0001447 (0.0001151, 0.0001794) | 0.19363 (0.15901, 0.22880)  | 40.8 (31.7, 51.0)    | 0.0001039 (0.0000808, 0.0001300) | 0.19662 (0.15505, 0.23491) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                             | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Other malignant neoplasms                     | 5   | 12.2 (7.7, 18.0)     | 0.0000293 (0.0000184, 0.0000432) | 0.03912 (0.02515, 0.05713)  | 11.1 (7.1, 16.1)  | 0.0000283 (0.0000181, 0.0000410) | 0.05344 (0.03543, 0.07503) |
| Sumatera Selatan | Cerebrovascular disease                       | 5   | 2.8 (1.3, 5.0)       | 0.0000067 (0.0000032, 0.0000120) | 0.00891 (0.00442, 0.01556)  | 3.2 (1.7, 5.4)    | 0.0000081 (0.0000042, 0.0000138) | 0.01538 (0.00815, 0.02576) |
| Sumatera Selatan | Ischemic heart disease                        | 5   | 2.8 (1.1, 5.5)       | 0.0000067 (0.0000026, 0.0000131) | 0.00891 (0.00365, 0.01737)  | 3.3 (1.4, 6.1)    | 0.0000084 (0.0000035, 0.0000155) | 0.01583 (0.00685, 0.02848) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 5   | 5.0 (2.3, 9.4)       | 0.0000119 (0.0000055, 0.0000226) | 0.01596 (0.00747, 0.03054)  | 5.2 (2.6, 9.4)    | 0.0000132 (0.0000065, 0.0000240) | 0.02497 (0.01281, 0.04429) |
| Sumatera Selatan | Diabetes mellitus                             | 5   | 1.6 (0.6, 3.5)       | 0.0000039 (0.0000015, 0.0000083) | 0.00517 (0.00208, 0.01104)  | 2.2 (0.9, 4.7)    | 0.0000056 (0.0000024, 0.0000119) | 0.01062 (0.00451, 0.02245) |
| Sumatera Selatan | Chronic kidney disease                        | 5   | 4.2 (2.1, 7.4)       | 0.0000101 (0.0000050, 0.0000177) | 0.01345 (0.00694, 0.02321)  | 4.2 (2.3, 7.1)    | 0.0000107 (0.0000058, 0.0000182) | 0.02027 (0.01130, 0.03380) |
| Sumatera Selatan | Cirrhosis                                     | 5   | 6.6 (3.6, 10.9)      | 0.0000159 (0.0000086, 0.0000261) | 0.02128 (0.01177, 0.03408)  | 3.2 (1.8, 5.3)    | 0.0000083 (0.0000047, 0.0000136) | 0.01567 (0.00898, 0.02516) |
| Sumatera Selatan | Chronic respiratory diseases                  | 5   | 5.1 (2.6, 9.1)       | 0.0000123 (0.0000062, 0.0000218) | 0.01644 (0.00863, 0.02820)  | 2.0 (1.0, 3.4)    | 0.0000051 (0.0000026, 0.0000088) | 0.00968 (0.00511, 0.01643) |
| Sumatera Selatan | Other non-communicable diseases               | 5   | 35.4 (26.6, 45.5)    | 0.0000848 (0.0000636, 0.0001090) | 0.1135 (0.08792, 0.14221)   | 35.8 (27.7, 44.6) | 0.0000913 (0.0000707, 0.0001137) | 0.17285 (0.13735, 0.20944) |
| Sumatera Selatan | Drowning                                      | 5   | 58.9 (43.9, 75.8)    | 0.0001411 (0.0001051, 0.0001816) | 0.18884 (0.14368, 0.23404)  | 23.3 (15.4, 31.5) | 0.0000593 (0.0000393, 0.0000802) | 0.11219 (0.07716, 0.14918) |
| Sumatera Selatan | Falls                                         | 5   | 3.9 (1.8, 6.9)       | 0.0000093 (0.0000044, 0.0000166) | 0.01239 (0.00606, 0.02212)  | 1.8 (0.8, 3.3)    | 0.0000046 (0.0000021, 0.0000084) | 0.00881 (0.00411, 0.01569) |
| Sumatera Selatan | Interpersonal violence                        | 5   | 1.3 (0.6, 2.6)       | 0.0000031 (0.0000013, 0.0000061) | 0.00411 (0.00180, 0.00830)  | 1.0 (0.5, 2.1)    | 0.0000026 (0.0000012, 0.0000052) | 0.00502 (0.00236, 0.00989) |
| Sumatera Selatan | Transport injuries                            | 5   | 35.3 (24.9, 48.3)    | 0.0000845 (0.0000596, 0.0001157) | 0.11313 (0.08114, 0.14974)  | 13.4 (8.6, 19.4)  | 0.0000341 (0.0000220, 0.0000494) | 0.06458 (0.04172, 0.09110) |
| Sumatera Selatan | Other unintentional injuries                  | 5   | 14.1 (8.8, 21.3)     | 0.0000338 (0.0000210, 0.0000511) | 0.04519 (0.02891, 0.06702)  | 6.6 (4.0, 10.3)   | 0.0000168 (0.0000103, 0.0000262) | 0.03187 (0.01975, 0.04829) |
| Sumatera Selatan | Diarrheal diseases                            | 10  | 13.9 (9.1, 19.9)     | 0.0000345 (0.0000226, 0.0000496) | 0.0453 (0.03035, 0.06440)   | 12.3 (8.2, 17.1)  | 0.0000322 (0.0000216, 0.0000449) | 0.0652 (0.04452, 0.09007)  |
| Sumatera Selatan | HIV/AIDS                                      | 10  | 1.0 (0.3, 2.3)       | 0.0000024 (0.0000007, 0.0000058) | 0.00318 (0.000099, 0.00753) | 0.6 (0.2, 1.4)    | 0.0000016 (0.0000005, 0.0000037) | 0.00327 (0.00106, 0.00757) |
| Sumatera Selatan | Lower respiratory infections                  | 10  | 14.3 (9.7, 19.9)     | 0.0000354 (0.0000241, 0.0000495) | 0.04654 (0.03197, 0.06393)  | 8.7 (5.9, 12.2)   | 0.0000228 (0.0000156, 0.0000320) | 0.04617 (0.03184, 0.06308) |
| Sumatera Selatan | Malaria                                       | 10  | 1.3 (0.5, 2.8)       | 0.0000032 (0.0000012, 0.0000069) | 0.00419 (0.00161, 0.00893)  | 0.8 (0.3, 1.8)    | 0.0000022 (0.0000009, 0.0000046) | 0.00443 (0.00173, 0.00930) |
| Sumatera Selatan | Tuberculosis                                  | 10  | 16.4 (11.5, 22.7)    | 0.0000048 (0.0000287, 0.0000565) | 0.0536 (0.03790, 0.07157)   | 10.9 (7.7, 14.8)  | 0.0000287 (0.0000203, 0.0000388) | 0.05803 (0.04147, 0.07749) |
| Sumatera Selatan | Maternal disorders                            | 10  |                      |                                  |                             | 0.7 (0.1, 1.8)    | 0.0000019 (0.0000004, 0.0000047) | 0.00382 (0.00071, 0.00957) |
| Sumatera Selatan | Other communicable diseases                   | 10  | 44.5 (35.2, 56.3)    | 0.0001106 (0.0000877, 0.0001400) | 0.14519 (0.11812, 0.17719)  | 27.2 (21.4, 34.0) | 0.0000715 (0.0000563, 0.0000894) | 0.1447 (0.11486, 0.17780)  |
| Sumatera Selatan | Other malignant neoplasms                     | 10  | 17.5 (12.7, 23.5)    | 0.0000436 (0.0000316, 0.0000584) | 0.05726 (0.04170, 0.07532)  | 15.4 (11.3, 20.4) | 0.0000403 (0.0000298, 0.0000536) | 0.08156 (0.06121, 0.10486) |
| Sumatera Selatan | Cerebrovascular disease                       | 10  | 4.4 (2.7, 6.7)       | 0.0000108 (0.0000067, 0.0000167) | 0.01421 (0.00891, 0.02154)  | 4.5 (2.7, 6.7)    | 0.0000117 (0.0000071, 0.0000176) | 0.02377 (0.01460, 0.03492) |
| Sumatera Selatan | Ischemic heart disease                        | 10  | 6.6 (4.0, 9.8)       | 0.0000163 (0.0000100, 0.0000245) | 0.02141 (0.01344, 0.03250)  | 6.8 (4.4, 9.9)    | 0.0000018 (0.0000016, 0.0000260) | 0.03636 (0.02351, 0.05266) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 10  | 7.1 (4.1, 11.4)      | 0.0000177 (0.0000103, 0.0000283) | 0.02327 (0.01377, 0.03818)  | 6.8 (4.1, 10.6)   | 0.0000179 (0.0000108, 0.0000279) | 0.03615 (0.02206, 0.05557) |
| Sumatera Selatan | Diabetes mellitus                             | 10  | 2.3 (1.3, 3.8)       | 0.0000057 (0.0000031, 0.0000095) | 0.00748 (0.00419, 0.01240)  | 2.9 (1.6, 4.8)    | 0.0000077 (0.0000043, 0.0000126) | 0.01554 (0.00893, 0.02496) |
| Sumatera Selatan | Chronic kidney disease                        | 10  | 5.9 (3.8, 8.7)       | 0.0000147 (0.0000094, 0.0000217) | 0.01927 (0.01234, 0.02823)  | 5.5 (3.5, 8.0)    | 0.0000145 (0.0000093, 0.0000210) | 0.0294 (0.01953, 0.04230)  |
| Sumatera Selatan | Cirrhosis                                     | 10  | 7.6 (5.0, 10.8)      | 0.0000188 (0.0000125, 0.0000269) | 0.02475 (0.01664, 0.03512)  | 3.4 (2.2, 4.9)    | 0.0000009 (0.0000059, 0.0000130) | 0.01817 (0.01201, 0.02596) |
| Sumatera Selatan | Chronic respiratory diseases                  | 10  | 9.0 (5.6, 13.2)      | 0.0000225 (0.0000139, 0.0000329) | 0.02952 (0.01881, 0.04189)  | 3.5 (2.1, 5.2)    | 0.0000091 (0.0000055, 0.0000137) | 0.01839 (0.01142, 0.02784) |
| Sumatera Selatan | Other non-communicable diseases               | 10  | 39.5 (31.7, 48.0)    | 0.0000982 (0.0000787, 0.0001194) | 0.12895 (0.10581, 0.15345)  | 36.0 (29.1, 43.7) | 0.0000945 (0.0000764, 0.0001147) | 0.1913 (0.15935, 0.22176)  |
| Sumatera Selatan | Drowning                                      | 10  | 34.1 (23.9, 46.9)    | 0.0000848 (0.0000594, 0.0001166) | 0.11126 (0.07843, 0.15098)  | 10.8 (6.3, 16.7)  | 0.0000283 (0.0000167, 0.0000438) | 0.05731 (0.03455, 0.08564) |
| Sumatera Selatan | Falls                                         | 10  | 3.7 (1.7, 6.8)       | 0.0000091 (0.0000043, 0.0000170) | 0.01203 (0.00571, 0.02223)  | 1.5 (0.7, 2.8)    | 0.0000039 (0.0000018, 0.0000074) | 0.00791 (0.00367, 0.01483) |
| Sumatera Selatan | Interpersonal violence                        | 10  | 2.2 (1.3, 3.8)       | 0.0000054 (0.0000032, 0.0000094) | 0.00713 (0.00422, 0.01200)  | 1.6 (0.9, 2.6)    | 0.0000041 (0.0000024, 0.0000068) | 0.00839 (0.00491, 0.01400) |
| Sumatera Selatan | Self-harm                                     | 10  | 4.0 (1.9, 7.6)       | 0.0000099 (0.0000047, 0.0000189) | 0.01303 (0.00628, 0.02396)  | 2.5 (1.2, 4.5)    | 0.0000065 (0.0000031, 0.0000118) | 0.01317 (0.00646, 0.02305) |
| Sumatera Selatan | Transport injuries                            | 10  | 56.0 (43.6, 69.1)    | 0.0001393 (0.0001085, 0.0001719) | 0.18296 (0.14676, 0.22282)  | 19.5 (14.1, 26.0) | 0.0000513 (0.0000371, 0.0000683) | 0.10392 (0.07596, 0.13572) |
| Sumatera Selatan | Other unintentional injuries                  | 10  | 15.1 (10.2, 21.2)    | 0.0000377 (0.0000255, 0.0000528) | 0.04948 (0.03353, 0.06959)  | 6.2 (4.0, 9.1)    | 0.0000163 (0.0000106, 0.0000238) | 0.03307 (0.02162, 0.04819) |
| Sumatera Selatan | Diarrheal diseases                            | 15  | 9.3 (5.1, 15.1)      | 0.0000246 (0.0000136, 0.0000401) | 0.0195 (0.01155, 0.02940)   | 5.9 (3.5, 8.9)    | 0.0000163 (0.0000097, 0.0000248) | 0.02262 (0.01386, 0.03394) |
| Sumatera Selatan | HIV/AIDS                                      | 15  | 1.0 (0.3, 2.3)       | 0.0000026 (0.0000007, 0.0000061) | 0.00203 (0.00059, 0.00474)  | 0.4 (0.1, 1.1)    | 0.0000012 (0.0000004, 0.0000029) | 0.00169 (0.00050, 0.00392) |
| Sumatera Selatan | Lower respiratory infections                  | 15  | 7.7 (4.8, 11.8)      | 0.0000204 (0.0000127, 0.0000313) | 0.01616 (0.01098, 0.02311)  | 3.1 (1.9, 4.8)    | 0.0000086 (0.0000054, 0.0000132) | 0.01195 (0.00749, 0.01810) |
| Sumatera Selatan | Malaria                                       | 15  | 3.6 (1.4, 7.6)       | 0.0000095 (0.0000037, 0.0000202) | 0.00755 (0.00304, 0.01564)  | 1.7 (0.6, 3.5)    | 0.0000047 (0.0000017, 0.0000098) | 0.00645 (0.00245, 0.01352) |
| Sumatera Selatan | Tuberculosis                                  | 15  | 31.8 (22.6, 44.3)    | 0.0000841 (0.0000597, 0.0001173) | 0.06662 (0.05191, 0.08413)  | 13.5 (9.7, 17.9)  | 0.0000374 (0.0000271, 0.0000497) | 0.05189 (0.03924, 0.06687) |
| Sumatera Selatan | Maternal disorders                            | 15  |                      |                                  |                             | 12.4 (8.0, 18.8)  | 0.0000346 (0.0000221, 0.0000523) | 0.0479 (0.03100, 0.07147)  |
| Sumatera Selatan | Other communicable diseases                   | 15  | 36.7 (25.9, 50.3)    | 0.0000971 (0.0000687, 0.0001330) | 0.07687 (0.05999, 0.09489)  | 15.8 (11.3, 20.8) | 0.0000439 (0.0000315, 0.0000578) | 0.06093 (0.04461, 0.07871) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 15  | 2.3 (0.8, 5.2)       | 0.0000061 (0.0000021, 0.0000136) | 0.00478 (0.00176, 0.01047)  | 0.7 (0.3, 1.6)    | 0.0000021 (0.0000007, 0.0000045) | 0.00286 (0.00105, 0.00639) |
| Sumatera Selatan | Breast cancer                                 | 15  | 0.1 (0.0, 0.4)       | 0.0000003 (0.0000000, 0.0000010) | 0.0002 (0.00003, 0.00075)   | 2.4 (0.8, 5.1)    | 0.0000065 (0.0000022, 0.0000142) | 0.00908 (0.00303, 0.01923) |
| Sumatera Selatan | Cervical cancer                               | 15  |                      |                                  |                             | 1.5 (0.5, 3.5)    | 0.0000043 (0.0000014, 0.0000097) | 0.00509 (0.00190, 0.01382) |
| Sumatera Selatan | Other malignant neoplasms                     | 15  | 21.6 (14.8, 30.1)    | 0.0000573 (0.0000391, 0.0000797) | 0.04535 (0.03428, 0.05861)  | 20.5 (14.8, 26.7) | 0.0000569 (0.0000411, 0.0000743) | 0.07885 (0.05891, 0.10083) |
| Sumatera Selatan | Cerebrovascular disease                       | 15  | 8.6 (5.1, 13.3)      | 0.0000228 (0.0000134, 0.0000351) | 0.01807 (0.01165, 0.02620)  | 7.2 (4.4, 10.9)   | 0.000002 (0.0000012, 0.0000304)  | 0.02776 (0.01714, 0.04056) |
| Sumatera Selatan | Ischemic heart disease                        | 15  | 22.3 (14.6, 31.8)    | 0.000059 (0.0000386, 0.0000842)  | 0.04661 (0.03332, 0.06156)  | 15.7 (10.7, 21.4) | 0.0000436 (0.0000299, 0.0000596) | 0.06045 (0.04345, 0.08214) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 15  | 11.5 (6.7, 18.6)     | 0.0000304 (0.0000177, 0.0000493) | 0.0241 (0.01463, 0.03667)   | 10.0 (5.9, 15.8)  | 0.0000279 (0.0000164, 0.0000440) | 0.03864 (0.02298, 0.06020) |
| Sumatera Selatan | Diabetes mellitus                             | 15  | 4.0 (2.2, 7.0)       | 0.0000107 (0.0000057, 0.0000185) | 0.00849 (0.00474, 0.01378)  | 4.8 (2.6, 7.8)    | 0.0000132 (0.0000073, 0.0000216) | 0.01833 (0.01029, 0.02999) |
| Sumatera Selatan | Chronic kidney disease                        | 15  | 9.5 (5.8, 15.2)      | 0.0000252 (0.0000155, 0.0000402) | 0.01994 (0.01336, 0.02893)  | 8.2 (5.4, 12.7)   | 0.0000228 (0.0000149, 0.0000353) | 0.03164 (0.02128, 0.04802) |
| Sumatera Selatan | Cirrhosis                                     | 15  | 10.5 (6.6, 16.3)     | 0.0000278 (0.0000175, 0.0000431) | 0.022 (0.01441, 0.03218)    | 4.4 (2.8, 6.8)    | 0.0000121 (0.0000077, 0.0000189) | 0.01683 (0.01093, 0.02528) |
| Sumatera Selatan | Chronic respiratory diseases                  | 15  | 8.0 (4.8, 12.5)      | 0.0000211 (0.0000128, 0.0000332) | 0.01667 (0.01080, 0.02447)  | 3.4 (2.1, 5.3)    | 0.0000095 (0.0000058, 0.0000146) | 0.01322 (0.00813, 0.02007) |
| Sumatera Selatan | Other non-communicable diseases               | 15  | 49.6 (37.0, 66.3)    | 0.0001312 (0.0000980, 0.0001756) | 0.10387 (0.08471, 0.12352)  | 38.7 (30.3, 47.7) | 0.0001076 (0.0000841, 0.0001326) | 0.14923 (0.12301, 0.17717) |
| Sumatera Selatan | Drowning                                      | 15  | 22.9 (13.3, 35.9)    | 0.0000606 (0.0000353, 0.0000951) | 0.04799 (0.03017, 0.07134)  | 6.2 (3.5, 10.4)   | 0.0000172 (0.0000097, 0.0000290) | 0.02388 (0.01370, 0.04015) |
| Sumatera Selatan | Falls                                         | 15  | 4.0 (1.9, 7.2)       | 0.0000107 (0.0000051, 0.0000190) | 0.00845 (0.00440, 0.01466)  | 1.5 (0.7, 2.5)    | 0.0000041 (0.0000020, 0.0000070) | 0.00567 (0.00275, 0.00994) |
| Sumatera Selatan | Interpersonal violence                        | 15  | 5.7 (3.5, 9.0)       | 0.0000151 (0.0000093, 0.0000238) | 0.01199 (0.00775, 0.01821)  | 3.8 (2.2, 6.1)    | 0.0000105 (0.0000061, 0.0000168) | 0.01451 (0.00851, 0.02333) |
| Sumatera Selatan | Self-harm                                     | 15  | 8.7 (5.3, 13.6)      | 0.000023 (0.0000139, 0.0000361)  | 0.01822 (0.01151, 0.02702)  | 4.9 (2.9, 7.9)    | 0.0000137 (0.0000081, 0.0000220) | 0.01895 (0.01137, 0.02957) |
| Sumatera Selatan | Transport injuries                            | 15  | 172.0 (133.6, 218.7) | 0.0004554 (0.0003537, 0.0005789) | 0.3604 (0.32807, 0.39378)   | 63.3 (51.7, 75.5) | 0.0001759 (0.0001436, 0.0002099) | 0.2439 (0.21053, 0.27977)  |
| Sumatera Selatan | Other unintentional injuries                  | 15  | 25.9 (17.1, 38.2)    | 0.0000685 (0.0000452, 0.0001011) | 0.05414 (0.03888, 0.07262)  | 9.6 (6.5, 13.5)   | 0.0000266 (0.0000180, 0.0000376) | 0.03687 (0.02495, 0.05165) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Diarrheal diseases                            | 20  | 10.9 (6.4, 17.6)     | 0.00028 (0.0000165, 0.0000453)   | 0.01706 (0.01054, 0.02541) | 6.8 (4.1, 10.3)   | 0.000018 (0.0000109, 0.0000272)  | 0.02168 (0.01374, 0.03160) |
| Sumatera Selatan | HIV/AIDS                                      | 20  | 4.1 (1.4, 8.8)       | 0.0000104 (0.0000037, 0.0000226) | 0.00638 (0.00225, 0.01392) | 1.8 (0.7, 4.0)    | 0.0000047 (0.0000018, 0.0000105) | 0.00573 (0.00217, 0.01214) |
| Sumatera Selatan | Lower respiratory infections                  | 20  | 9.1 (5.5, 14.2)      | 0.0000235 (0.0000142, 0.0000365) | 0.01429 (0.00957, 0.02021) | 3.3 (2.1, 4.9)    | 0.0000086 (0.0000054, 0.0000130) | 0.01037 (0.00671, 0.01520) |
| Sumatera Selatan | Malaria                                       | 20  | 5.3 (2.1, 10.3)      | 0.0000136 (0.0000054, 0.0000265) | 0.0083 (0.00336, 0.01621)  | 2.5 (0.9, 5.0)    | 0.0000065 (0.0000023, 0.0000130) | 0.00781 (0.00296, 0.01591) |
| Sumatera Selatan | Tuberculosis                                  | 20  | 77.4 (56.9, 107.1)   | 0.0001988 (0.0001461, 0.0002751) | 0.12099 (0.10045, 0.14328) | 28.4 (20.9, 36.1) | 0.0000747 (0.0000550, 0.0000951) | 0.09009 (0.07239, 0.10966) |
| Sumatera Selatan | Maternal disorders                            | 20  |                      |                                  |                            | 15.2 (10.3, 21.5) | 0.0000401 (0.0000270, 0.0000567) | 0.04837 (0.03368, 0.06681) |
| Sumatera Selatan | Other communicable diseases                   | 20  | 56.0 (39.7, 78.4)    | 0.0001438 (0.0001020, 0.0002015) | 0.08752 (0.07004, 0.10609) | 23.8 (17.4, 30.8) | 0.0000628 (0.0000459, 0.0000811) | 0.07578 (0.05741, 0.09277) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 20  | 2.0 (0.6, 4.9)       | 0.000005 (0.0000015, 0.0000126)  | 0.00306 (0.00099, 0.00727) | 1.3 (0.6, 2.7)    | 0.0000035 (0.0000015, 0.0000072) | 0.00422 (0.00182, 0.00847) |
| Sumatera Selatan | Breast cancer                                 | 20  | 0.1 (0.0, 0.4)       | 0.0000004 (0.0000001, 0.0000010) | 0.00022 (0.00006, 0.00058) | 8.4 (4.5, 13.7)   | 0.0000221 (0.0000119, 0.0000360) | 0.02667 (0.01487, 0.04314) |
| Sumatera Selatan | Cervical cancer                               | 20  |                      |                                  |                            | 3.7 (1.6, 7.0)    | 0.0000096 (0.0000042, 0.0000184) | 0.01159 (0.00552, 0.02138) |
| Sumatera Selatan | Other malignant neoplasms                     | 20  | 24.5 (16.9, 34.9)    | 0.0000629 (0.0000433, 0.0000896) | 0.0383 (0.03006, 0.04837)  | 26.0 (18.9, 34.0) | 0.0000685 (0.0000498, 0.0000896) | 0.08263 (0.06241, 0.10422) |
| Sumatera Selatan | Cerebrovascular disease                       | 20  | 18.2 (12.6, 25.9)    | 0.0000469 (0.0000324, 0.0000666) | 0.02855 (0.02169, 0.03711) | 12.5 (9.0, 16.4)  | 0.0000329 (0.0000236, 0.0000433) | 0.0397 (0.02988, 0.05101)  |
| Sumatera Selatan | Ischemic heart disease                        | 20  | 44.5 (31.9, 63.8)    | 0.0001142 (0.0000819, 0.0001640) | 0.06956 (0.05517, 0.08597) | 20.7 (15.3, 27.1) | 0.0000544 (0.0000402, 0.0000715) | 0.06563 (0.05111, 0.08246) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 20  | 19.5 (12.7, 29.2)    | 0.0000501 (0.0000325, 0.0000749) | 0.03055 (0.02122, 0.04185) | 15.9 (10.8, 22.1) | 0.0000419 (0.0000285, 0.0000582) | 0.05049 (0.03665, 0.06757) |
| Sumatera Selatan | Diabetes mellitus                             | 20  | 4.6 (2.7, 7.4)       | 0.0000119 (0.0000071, 0.0000190) | 0.00727 (0.00455, 0.01081) | 5.0 (3.0, 7.7)    | 0.0000131 (0.0000079, 0.0000204) | 0.01578 (0.00996, 0.02376) |
| Sumatera Selatan | Chronic kidney disease                        | 20  | 17.5 (11.5, 26.2)    | 0.0000449 (0.0000296, 0.0000674) | 0.02733 (0.01960, 0.03689) | 13.7 (9.6, 18.7)  | 0.0000361 (0.0000252, 0.0000493) | 0.04352 (0.03158, 0.05754) |
| Sumatera Selatan | Cirrhosis                                     | 20  | 20.0 (13.4, 29.4)    | 0.0000515 (0.0000344, 0.0000755) | 0.03139 (0.02253, 0.04233) | 7.6 (5.1, 10.8)   | 0.00002 (0.0000135, 0.0000284)   | 0.02419 (0.01697, 0.03336) |
| Sumatera Selatan | Chronic respiratory diseases                  | 20  | 20.0 (13.5, 29.6)    | 0.0000515 (0.0000346, 0.0000761) | 0.03138 (0.02282, 0.04172) | 10.1 (6.8, 13.8)  | 0.0000265 (0.0000180, 0.0000364) | 0.03197 (0.02308, 0.04306) |
| Sumatera Selatan | Other non-communicable diseases               | 20  | 53.0 (38.7, 72.6)    | 0.0001362 (0.0000995, 0.0001865) | 0.08294 (0.06698, 0.10012) | 36.5 (28.5, 44.9) | 0.000096 (0.0000751, 0.0001182)  | 0.11595 (0.09293, 0.13901) |
| Sumatera Selatan | Drowning                                      | 20  | 20.6 (11.2, 34.8)    | 0.0000529 (0.0000287, 0.0000894) | 0.03231 (0.01818, 0.05181) | 4.3 (2.2, 7.5)    | 0.0000114 (0.0000058, 0.0000197) | 0.01382 (0.00709, 0.02370) |
| Sumatera Selatan | Falls                                         | 20  | 4.8 (2.4, 8.5)       | 0.0000124 (0.0000061, 0.0000218) | 0.00754 (0.00388, 0.01269) | 1.4 (0.7, 2.5)    | 0.0000037 (0.0000017, 0.0000066) | 0.00442 (0.00215, 0.00772) |
| Sumatera Selatan | Interpersonal violence                        | 20  | 8.0 (5.0, 12.6)      | 0.0000205 (0.0000128, 0.0000324) | 0.01249 (0.00831, 0.01889) | 4.2 (2.5, 6.8)    | 0.000011 (0.0000066, 0.0000180)  | 0.01332 (0.00799, 0.02089) |
| Sumatera Selatan | Self-harm                                     | 20  | 10.3 (6.3, 16.4)     | 0.0000264 (0.0000163, 0.0000421) | 0.01611 (0.01079, 0.02331) | 4.7 (2.8, 7.4)    | 0.0000123 (0.0000074, 0.0000195) | 0.01485 (0.00890, 0.02310) |
| Sumatera Selatan | Transport injuries                            | 20  | 174.6 (133.1, 236.8) | 0.0004484 (0.0003420, 0.0006083) | 0.273 (0.24104, 0.30465)   | 47.1 (36.9, 58.2) | 0.0001239 (0.0000972, 0.0001533) | 0.1495 (0.12539, 0.17832)  |
| Sumatera Selatan | Other unintentional injuries                  | 20  | 34.2 (22.7, 50.7)    | 0.0000878 (0.0000583, 0.0001302) | 0.05346 (0.03987, 0.06903) | 10.0 (6.7, 14.2)  | 0.0000265 (0.0000176, 0.0000373) | 0.03194 (0.02177, 0.04374) |
| Sumatera Selatan | Diarrheal diseases                            | 25  | 16.6 (10.6, 25.2)    | 0.0000422 (0.0000270, 0.0000642) | 0.0219 (0.01469, 0.03141)  | 8.9 (5.7, 13.2)   | 0.0000238 (0.0000152, 0.0000353) | 0.02531 (0.01714, 0.03626) |
| Sumatera Selatan | HIV/AIDS                                      | 25  | 8.0 (3.2, 15.7)      | 0.0000205 (0.0000080, 0.0000400) | 0.01065 (0.00422, 0.02098) | 3.1 (1.3, 6.4)    | 0.0000082 (0.0000035, 0.0000170) | 0.0088 (0.00381, 0.01747)  |
| Sumatera Selatan | Lower respiratory infections                  | 25  | 10.6 (6.7, 16.3)     | 0.0000269 (0.0000169, 0.0000417) | 0.01392 (0.00928, 0.01994) | 3.2 (2.0, 4.9)    | 0.0000086 (0.0000052, 0.0000131) | 0.00914 (0.00588, 0.01347) |
| Sumatera Selatan | Malaria                                       | 25  | 5.8 (2.4, 11.0)      | 0.0000148 (0.0000061, 0.0000280) | 0.00769 (0.00323, 0.01437) | 2.2 (0.8, 4.4)    | 0.0000059 (0.0000022, 0.0000116) | 0.00623 (0.00245, 0.01234) |
| Sumatera Selatan | Tuberculosis                                  | 25  | 113.4 (89.3, 156.0)  | 0.0002889 (0.0002276, 0.0003974) | 0.14969 (0.12857, 0.17199) | 33.2 (24.3, 42.8) | 0.0000886 (0.0000649, 0.0001142) | 0.09436 (0.07701, 0.11390) |
| Sumatera Selatan | Maternal disorders                            | 25  |                      |                                  |                            | 23.9 (16.5, 32.8) | 0.0000637 (0.0000441, 0.0000876) | 0.06789 (0.05041, 0.08793) |
| Sumatera Selatan | Other communicable diseases                   | 25  | 64.1 (48.5, 88.2)    | 0.0001634 (0.0001236, 0.0002248) | 0.08468 (0.06866, 0.10392) | 23.8 (17.1, 31.5) | 0.0000634 (0.0000457, 0.0000840) | 0.06763 (0.05212, 0.08382) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 25  | 2.5 (0.8, 5.7)       | 0.0000064 (0.0000021, 0.0000144) | 0.00329 (0.00113, 0.00727) | 1.7 (0.8, 3.2)    | 0.0000046 (0.0000022, 0.0000087) | 0.00487 (0.00236, 0.00894) |
| Sumatera Selatan | Breast cancer                                 | 25  | 0.1 (0.0, 0.4)       | 0.0000003 (0.0000001, 0.0000009) | 0.00017 (0.00004, 0.00049) | 15.6 (10.4, 23.1) | 0.0000417 (0.0000276, 0.0000616) | 0.0445 (0.03048, 0.06242)  |
| Sumatera Selatan | Cervical cancer                               | 25  |                      |                                  |                            | 6.7 (3.4, 11.3)   | 0.0000179 (0.0000091, 0.0000301) | 0.01905 (0.01037, 0.03151) |
| Sumatera Selatan | Other malignant neoplasms                     | 25  | 31.1 (23.4, 41.3)    | 0.0000792 (0.0000597, 0.0001052) | 0.04107 (0.03312, 0.04989) | 27.1 (19.5, 36.2) | 0.0000723 (0.0000521, 0.0000966) | 0.0771 (0.06019, 0.09599)  |
| Sumatera Selatan | Cerebrovascular disease                       | 25  | 32.8 (25.2, 44.8)    | 0.0000836 (0.0000641, 0.0001142) | 0.04332 (0.03577, 0.05198) | 19.7 (14.9, 24.8) | 0.0000526 (0.0000398, 0.0000661) | 0.05611 (0.04621, 0.06653) |
| Sumatera Selatan | Ischemic heart disease                        | 25  | 85.4 (68.0, 114.1)   | 0.0002175 (0.0001734, 0.0002906) | 0.11275 (0.09715, 0.12945) | 31.4 (24.0, 39.7) | 0.0000839 (0.0000640, 0.0001060) | 0.08945 (0.07559, 0.10463) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 25  | 24.9 (18.0, 34.6)    | 0.0000635 (0.0000458, 0.0000882) | 0.03294 (0.02436, 0.04221) | 18.7 (12.9, 24.7) | 0.0000498 (0.0000345, 0.0000660) | 0.05304 (0.04112, 0.06686) |
| Sumatera Selatan | Diabetes mellitus                             | 25  | 8.1 (5.6, 11.6)      | 0.0000207 (0.0000143, 0.0000295) | 0.0107 (0.00776, 0.01440)  | 7.5 (5.1, 10.4)   | 0.00002 (0.0000135, 0.0000278)   | 0.02127 (0.01538, 0.02789) |
| Sumatera Selatan | Chronic kidney disease                        | 25  | 20.4 (14.5, 28.9)    | 0.0000519 (0.0000371, 0.0000737) | 0.02689 (0.02016, 0.03465) | 13.7 (9.5, 18.0)  | 0.0000365 (0.0000254, 0.0000481) | 0.0389 (0.02938, 0.04842)  |
| Sumatera Selatan | Cirrhosis                                     | 25  | 29.3 (20.9, 40.9)    | 0.0000747 (0.0000531, 0.0001041) | 0.03879 (0.02935, 0.05027) | 9.9 (6.9, 13.4)   | 0.0000265 (0.0000184, 0.0000358) | 0.02823 (0.02080, 0.03637) |
| Sumatera Selatan | Chronic respiratory diseases                  | 25  | 24.4 (17.3, 35.2)    | 0.0000622 (0.0000441, 0.0000898) | 0.03225 (0.02436, 0.04146) | 11.9 (8.3, 16.1)  | 0.0000317 (0.0000222, 0.0000430) | 0.03384 (0.02594, 0.04367) |
| Sumatera Selatan | Other non-communicable diseases               | 25  | 60.8 (47.4, 81.5)    | 0.0001549 (0.0001207, 0.0002077) | 0.08028 (0.06673, 0.09403) | 37.7 (29.3, 47.3) | 0.0001005 (0.0000781, 0.0001261) | 0.1072 (0.09098, 0.12402)  |
| Sumatera Selatan | Drowning                                      | 25  | 15.5 (7.7, 27.9)     | 0.0000395 (0.0000196, 0.0000712) | 0.02044 (0.01068, 0.03457) | 3.0 (1.5, 5.5)    | 0.0000079 (0.0000040, 0.0000148) | 0.00845 (0.00436, 0.01527) |
| Sumatera Selatan | Falls                                         | 25  | 7.6 (4.0, 13.0)      | 0.0000193 (0.0000102, 0.0000331) | 0.01001 (0.00543, 0.01649) | 2.0 (1.0, 3.3)    | 0.0000052 (0.0000027, 0.0000089) | 0.00557 (0.00299, 0.00932) |
| Sumatera Selatan | Interpersonal violence                        | 25  | 8.4 (5.3, 13.1)      | 0.0000213 (0.0000135, 0.0000333) | 0.01103 (0.00736, 0.01651) | 3.6 (2.1, 5.6)    | 0.0000096 (0.0000055, 0.0000149) | 0.01024 (0.00609, 0.01552) |
| Sumatera Selatan | Self-harm                                     | 25  | 9.9 (6.2, 15.1)      | 0.0000252 (0.0000158, 0.0000384) | 0.01304 (0.00851, 0.01872) | 3.6 (2.2, 5.8)    | 0.0000096 (0.0000058, 0.0000154) | 0.01029 (0.00644, 0.01560) |
| Sumatera Selatan | Transport injuries                            | 25  | 134.1 (103.4, 177.8) | 0.0003417 (0.0002634, 0.0004532) | 0.17714 (0.14939, 0.20428) | 28.6 (21.3, 37.8) | 0.0000765 (0.0000569, 0.0001009) | 0.0815 (0.06465, 0.10024)  |
| Sumatera Selatan | Other unintentional injuries                  | 25  | 43.4 (30.8, 63.8)    | 0.0001107 (0.0000786, 0.0001625) | 0.05734 (0.04258, 0.07552) | 10.9 (7.1, 15.5)  | 0.0000291 (0.0000190, 0.0000414) | 0.03104 (0.02169, 0.04219) |
| Sumatera Selatan | Diarrheal diseases                            | 30  | 16.8 (10.8, 25.2)    | 0.0000485 (0.0000310, 0.0000725) | 0.02244 (0.01482, 0.03134) | 9.1 (5.8, 13.4)   | 0.0000276 (0.0000174, 0.0000404) | 0.02407 (0.01635, 0.03302) |
| Sumatera Selatan | HIV/AIDS                                      | 30  | 7.5 (3.0, 15.1)      | 0.0000217 (0.0000086, 0.0000434) | 0.01007 (0.00417, 0.02042) | 3.0 (1.3, 6.1)    | 0.0000091 (0.0000038, 0.0000185) | 0.00795 (0.00335, 0.01521) |
| Sumatera Selatan | Lower respiratory infections                  | 30  | 9.0 (5.7, 13.7)      | 0.0000259 (0.0000164, 0.0000395) | 0.01195 (0.00808, 0.01729) | 2.9 (1.8, 4.5)    | 0.0000088 (0.0000056, 0.0000136) | 0.0077 (0.00503, 0.01132)  |
| Sumatera Selatan | Malaria                                       | 30  | 4.4 (1.8, 8.4)       | 0.0000127 (0.0000053, 0.0000241) | 0.00587 (0.00253, 0.01153) | 1.6 (0.6, 3.4)    | 0.0000049 (0.0000019, 0.0000102) | 0.00426 (0.00168, 0.00843) |
| Sumatera Selatan | Tuberculosis                                  | 30  | 100.8 (79.2, 142.2)  | 0.00029 (0.0002280, 0.0004092)   | 0.13419 (0.11370, 0.15489) | 30.4 (22.4, 40.3) | 0.0000919 (0.0000676, 0.0001218) | 0.08009 (0.06579, 0.09571) |
| Sumatera Selatan | Maternal disorders                            | 30  |                      |                                  |                            | 24.1 (16.6, 33.2) | 0.0000729 (0.0000503, 0.0001004) | 0.06352 (0.04817, 0.08007) |
| Sumatera Selatan | Other communicable diseases                   | 30  | 41.1 (30.3, 57.1)    | 0.0001184 (0.0000873, 0.0001643) | 0.0548 (0.04208, 0.06921)  | 15.5 (10.9, 21.4) | 0.000047 (0.0000330, 0.0000646)  | 0.04099 (0.03040, 0.05260) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 30  | 4.7 (2.1, 9.7)       | 0.0000136 (0.0000059, 0.0000279) | 0.00631 (0.00281, 0.01237) | 1.9 (1.0, 3.4)    | 0.0000058 (0.0000030, 0.0000102) | 0.00501 (0.00264, 0.00856) |
| Sumatera Selatan | Breast cancer                                 | 30  | 0.2 (0.0, 0.6)       | 0.0000005 (0.0000001, 0.0000017) | 0.00025 (0.00005, 0.00085) | 23.6 (15.9, 33.0) | 0.0000712 (0.0000482, 0.0000998) | 0.06213 (0.04631, 0.08072) |
| Sumatera Selatan | Cervical cancer                               | 30  |                      |                                  |                            | 10.6 (5.8, 17.0)  | 0.0000321 (0.0000175, 0.0000513) | 0.02796 (0.01644, 0.04222) |
| Sumatera Selatan | Other malignant neoplasms                     | 30  | 40.3 (30.8, 54.1)    | 0.0001161 (0.0000885, 0.0001558) | 0.05374 (0.04399, 0.06449) | 26.6 (18.9, 35.2) | 0.0000803 (0.0000570, 0.0001065) | 0.07007 (0.05395, 0.08811) |
| Sumatera Selatan | Cerebrovascular disease                       | 30  | 47.9 (38.4, 64.9)    | 0.0001379 (0.0001106, 0.0001868) | 0.06381 (0.05443, 0.07479) | 30.1 (22.9, 38.7) | 0.0000911 (0.0000691, 0.0001169) | 0.07941 (0.06792, 0.09104) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Deaths (95% UI)      | Males                            |                              |  | Deaths (95% UI)     | Females                          |                            |  |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|------------------------------|--|---------------------|----------------------------------|----------------------------|--|
|                  |                                               |     |                      | CSMR (95% UI)                    | CF (95% UI)                  |  |                     | CSMR (95% UI)                    | CF (95% UI)                |  |
| Sumatera Selatan | Ischemic heart disease                        | 30  | 109.2 (89.1, 145.6)  | 0.0003143 (0.0002564, 0.0004189) | 0.14552 (0.12689, 0.16458)   |  | 43.0 (32.4, 55.4)   | 0.0001301 (0.0000978, 0.0001676) | 0.11338 (0.09792, 0.12959) |  |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 30  | 28.3 (21.3, 39.1)    | 0.0000814 (0.0000612, 0.0001124) | 0.03771 (0.02912, 0.04688)   |  | 21.6 (15.2, 29.4)   | 0.0000654 (0.0000460, 0.0000889) | 0.05697 (0.04535, 0.06943) |  |
| Sumatera Selatan | Diabetes mellitus                             | 30  | 12.7 (9.3, 18.0)     | 0.0000366 (0.0000266, 0.0000517) | 0.01692 (0.01294, 0.02159)   |  | 11.8 (8.2, 15.7)    | 0.0000356 (0.0000247, 0.0000476) | 0.031 (0.02415, 0.03825)   |  |
| Sumatera Selatan | Chronic kidney disease                        | 30  | 21.0 (15.1, 29.7)    | 0.0000605 (0.0000434, 0.0000856) | 0.02799 (0.02121, 0.03589)   |  | 14.1 (9.8, 19.2)    | 0.0000427 (0.0000298, 0.0000580) | 0.03724 (0.02859, 0.04632) |  |
| Sumatera Selatan | Cirrhosis                                     | 30  | 36.8 (26.5, 50.8)    | 0.0001058 (0.0000764, 0.0001463) | 0.04902 (0.03734, 0.06275)   |  | 12.8 (9.1, 17.6)    | 0.0000387 (0.0000274, 0.0000533) | 0.03378 (0.02564, 0.04317) |  |
| Sumatera Selatan | Chronic respiratory diseases                  | 30  | 24.8 (17.8, 34.6)    | 0.0000712 (0.0000513, 0.0000997) | 0.03297 (0.02502, 0.04196)   |  | 11.9 (8.2, 16.3)    | 0.0000361 (0.0000248, 0.0000492) | 0.03143 (0.02420, 0.03942) |  |
| Sumatera Selatan | Other non-communicable diseases               | 30  | 58.5 (46.7, 77.3)    | 0.0001683 (0.0001344, 0.0002225) | 0.07793 (0.06666, 0.09080)   |  | 37.6 (28.8, 48.6)   | 0.0001137 (0.0000870, 0.0001470) | 0.09911 (0.08542, 0.11371) |  |
| Sumatera Selatan | Drowning                                      | 30  | 16.6 (9.2, 27.3)     | 0.0000478 (0.0000264, 0.0000787) | 0.02212 (0.01244, 0.03577)   |  | 3.6 (1.8, 6.2)      | 0.000011 (0.0000056, 0.0000188)  | 0.00959 (0.00518, 0.01608) |  |
| Sumatera Selatan | Falls                                         | 30  | 8.6 (4.5, 14.5)      | 0.0000248 (0.0000129, 0.0000417) | 0.01151 (0.00623, 0.01910)   |  | 2.5 (1.2, 4.2)      | 0.0000075 (0.0000037, 0.0000128) | 0.00656 (0.00354, 0.01082) |  |
| Sumatera Selatan | Interpersonal violence                        | 30  | 6.1 (3.8, 9.6)       | 0.0000174 (0.0000111, 0.0000277) | 0.00807 (0.00521, 0.01209)   |  | 2.7 (1.5, 4.4)      | 0.0000083 (0.0000047, 0.0000133) | 0.00723 (0.00432, 0.01128) |  |
| Sumatera Selatan | Self-harm                                     | 30  | 7.0 (4.4, 10.9)      | 0.0000202 (0.0000125, 0.0000314) | 0.00933 (0.00592, 0.01350)   |  | 2.7 (1.6, 4.3)      | 0.0000081 (0.0000048, 0.0000130) | 0.00702 (0.00430, 0.01078) |  |
| Sumatera Selatan | Transport injuries                            | 30  | 110.6 (87.1, 146.8)  | 0.0003181 (0.0002505, 0.0004223) | 0.14735 (0.12402, 0.17411)   |  | 25.3 (18.1, 33.8)   | 0.0000766 (0.0000548, 0.0001022) | 0.06674 (0.05276, 0.08233) |  |
| Sumatera Selatan | Other unintentional injuries                  | 30  | 37.6 (25.8, 54.4)    | 0.0001083 (0.0000741, 0.0001567) | 0.05012 (0.03597, 0.06647)   |  | 10.2 (6.6, 14.9)    | 0.0000307 (0.0000200, 0.0000449) | 0.02677 (0.01871, 0.03649) |  |
| Sumatera Selatan | Diarrheal diseases                            | 35  | 14.1 (9.2, 20.9)     | 0.0000464 (0.0000302, 0.0000689) | 0.01665 (0.01123, 0.02401)   |  | 10.1 (6.5, 15.0)    | 0.0000354 (0.0000229, 0.0000526) | 0.02071 (0.01424, 0.02889) |  |
| Sumatera Selatan | HIV/AIDS                                      | 35  | 6.2 (2.5, 12.2)      | 0.0000204 (0.0000083, 0.0000402) | 0.00731 (0.00297, 0.01462)   |  | 3.1 (1.4, 6.5)      | 0.000011 (0.0000048, 0.0000230)  | 0.00646 (0.00280, 0.01285) |  |
| Sumatera Selatan | Lower respiratory infections                  | 35  | 8.8 (5.7, 13.3)      | 0.000029 (0.0000189, 0.0000439)  | 0.01039 (0.00710, 0.01468)   |  | 3.8 (2.4, 5.8)      | 0.0000134 (0.0000083, 0.0000203) | 0.00784 (0.00523, 0.01126) |  |
| Sumatera Selatan | Malaria                                       | 35  | 3.8 (1.6, 7.7)       | 0.0000126 (0.0000052, 0.0000253) | 0.00452 (0.00190, 0.00888)   |  | 1.7 (0.7, 3.5)      | 0.000006 (0.0000023, 0.0000124)  | 0.00351 (0.00143, 0.00709) |  |
| Sumatera Selatan | Tuberculosis                                  | 35  | 103.1 (83.8, 139.6)  | 0.0003398 (0.0002762, 0.0004600) | 0.12175 (0.10545, 0.14077)   |  | 37.9 (27.5, 50.2)   | 0.0001335 (0.0000968, 0.0001767) | 0.07806 (0.06527, 0.09298) |  |
| Sumatera Selatan | Maternal disorders                            | 35  |                      |                                  |                              |  | 18.6 (12.4, 26.2)   | 0.0000653 (0.0000436, 0.0000920) | 0.0382 (0.02768, 0.04966)  |  |
| Sumatera Selatan | Other communicable diseases                   | 35  | 34.6 (25.1, 47.0)    | 0.0001139 (0.0000827, 0.0001548) | 0.04081 (0.03109, 0.05107)   |  | 17.6 (12.0, 24.1)   | 0.0000618 (0.0000423, 0.0000848) | 0.03618 (0.02700, 0.04589) |  |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 35  | 4.5 (1.9, 8.9)       | 0.0000147 (0.0000062, 0.0000292) | 0.00528 (0.00232, 0.01019)   |  | 2.6 (1.4, 4.5)      | 0.0000092 (0.0000050, 0.0000159) | 0.00539 (0.00305, 0.00887) |  |
| Sumatera Selatan | Breast cancer                                 | 35  | 0.4 (0.1, 1.2)       | 0.0000013 (0.0000003, 0.0000039) | 0.00045 (0.000010, 0.000142) |  | 35.7 (24.9, 49.2)   | 0.0001255 (0.0000875, 0.0001731) | 0.07349 (0.05585, 0.09395) |  |
| Sumatera Selatan | Cervical cancer                               | 35  |                      |                                  |                              |  | 18.1 (10.4, 28.3)   | 0.0000638 (0.0000367, 0.0000996) | 0.03736 (0.02217, 0.05531) |  |
| Sumatera Selatan | Other malignant neoplasms                     | 35  | 55.7 (43.6, 73.8)    | 0.0001834 (0.0001437, 0.0002433) | 0.06572 (0.05435, 0.07720)   |  | 29.8 (20.8, 40.3)   | 0.0001049 (0.0000732, 0.0001417) | 0.06144 (0.04699, 0.07900) |  |
| Sumatera Selatan | Cerebrovascular disease                       | 35  | 75.2 (61.2, 100.9)   | 0.0002478 (0.0002018, 0.0003324) | 0.08874 (0.07743, 0.10142)   |  | 51.1 (39.2, 65.3)   | 0.0001799 (0.0001380, 0.0002298) | 0.10528 (0.09238, 0.11870) |  |
| Sumatera Selatan | Ischemic heart disease                        | 35  | 153.9 (127.3, 205.0) | 0.0005071 (0.0004195, 0.0006755) | 0.1817 (0.16300, 0.20081)    |  | 65.3 (49.8, 83.7)   | 0.0002298 (0.0001751, 0.0002943) | 0.13456 (0.11787, 0.15078) |  |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 35  | 36.3 (28.3, 48.9)    | 0.0001195 (0.0000931, 0.0001612) | 0.04282 (0.03477, 0.05207)   |  | 29.1 (21.1, 38.7)   | 0.0001023 (0.0000744, 0.0001362) | 0.05988 (0.04904, 0.07157) |  |
| Sumatera Selatan | Diabetes mellitus                             | 35  | 24.2 (18.0, 33.0)    | 0.0000797 (0.0000594, 0.0001089) | 0.02854 (0.02260, 0.03542)   |  | 23.0 (16.8, 31.1)   | 0.000081 (0.0000590, 0.0001094)  | 0.04742 (0.03770, 0.05737) |  |
| Sumatera Selatan | Chronic kidney disease                        | 35  | 25.5 (18.4, 35.2)    | 0.0000841 (0.0000606, 0.0001160) | 0.03012 (0.02317, 0.03772)   |  | 17.5 (12.2, 23.6)   | 0.0000614 (0.0000427, 0.0000831) | 0.03594 (0.02786, 0.04447) |  |
| Sumatera Selatan | Cirrhosis                                     | 35  | 45.9 (34.1, 61.6)    | 0.0001513 (0.0001122, 0.0002030) | 0.05423 (0.04214, 0.06842)   |  | 17.3 (12.1, 23.6)   | 0.0000608 (0.0000426, 0.0000829) | 0.0356 (0.02738, 0.04430)  |  |
| Sumatera Selatan | Chronic respiratory diseases                  | 35  | 29.8 (22.1, 41.0)    | 0.0000983 (0.0000728, 0.0001352) | 0.0352 (0.02754, 0.04368)    |  | 14.6 (10.3, 19.8)   | 0.0000513 (0.0000363, 0.0000696) | 0.03001 (0.02337, 0.03814) |  |
| Sumatera Selatan | Other non-communicable diseases               | 35  | 60.2 (48.3, 78.9)    | 0.0001984 (0.0001592, 0.0002601) | 0.0711 (0.06105, 0.08238)    |  | 41.4 (31.5, 53.7)   | 0.0001457 (0.0001108, 0.0001888) | 0.08533 (0.07351, 0.09765) |  |
| Sumatera Selatan | Drowning                                      | 35  | 19.5 (10.9, 31.0)    | 0.0000644 (0.0000359, 0.0001021) | 0.02307 (0.01378, 0.03569)   |  | 5.4 (2.8, 9.0)      | 0.0000191 (0.0000100, 0.0000316) | 0.01118 (0.00622, 0.01809) |  |
| Sumatera Selatan | Falls                                         | 35  | 8.4 (4.6, 13.8)      | 0.0000277 (0.0000150, 0.0000455) | 0.00993 (0.00540, 0.01608)   |  | 2.9 (1.5, 4.9)      | 0.0000103 (0.0000051, 0.0000172) | 0.00604 (0.00319, 0.00981) |  |
| Sumatera Selatan | Interpersonal violence                        | 35  | 5.4 (3.4, 8.2)       | 0.0000177 (0.0000112, 0.0000271) | 0.00634 (0.00405, 0.00932)   |  | 2.6 (1.4, 4.1)      | 0.000009 (0.0000050, 0.0000145)  | 0.00529 (0.00311, 0.00821) |  |
| Sumatera Selatan | Self-harm                                     | 35  | 6.7 (4.2, 10.3)      | 0.0000222 (0.0000137, 0.0000338) | 0.00797 (0.00506, 0.01172)   |  | 2.6 (1.5, 4.4)      | 0.0000093 (0.0000054, 0.0000154) | 0.00545 (0.00330, 0.00835) |  |
| Sumatera Selatan | Transport injuries                            | 35  | 89.2 (68.6, 118.5)   | 0.0002939 (0.0002260, 0.0003905) | 0.10536 (0.08466, 0.12566)   |  | 23.0 (16.3, 31.1)   | 0.0000808 (0.0000575, 0.0001094) | 0.04731 (0.03582, 0.05935) |  |
| Sumatera Selatan | Other unintentional injuries                  | 35  | 35.6 (25.0, 49.5)    | 0.0001172 (0.0000825, 0.0001632) | 0.04199 (0.03096, 0.05464)   |  | 10.7 (7.1, 15.7)    | 0.0000377 (0.0000248, 0.0000551) | 0.02204 (0.01547, 0.02959) |  |
| Sumatera Selatan | Diarrheal diseases                            | 40  | 15.1 (9.8, 21.9)     | 0.0000585 (0.0000379, 0.0000848) | 0.01455 (0.00982, 0.01986)   |  | 13.1 (8.6, 18.8)    | 0.000052 (0.0000344, 0.0000747)  | 0.0206 (0.01438, 0.02736)  |  |
| Sumatera Selatan | HIV/AIDS                                      | 40  | 3.1 (1.3, 6.4)       | 0.000012 (0.0000049, 0.0000247)  | 0.00299 (0.00119, 0.00633)   |  | 1.9 (0.8, 4.0)      | 0.0000076 (0.0000032, 0.0000159) | 0.00301 (0.00127, 0.00618) |  |
| Sumatera Selatan | Lower respiratory infections                  | 40  | 8.4 (5.5, 12.4)      | 0.0000325 (0.0000215, 0.0000482) | 0.00808 (0.00559, 0.01156)   |  | 4.6 (2.9, 7.0)      | 0.0000182 (0.0000117, 0.0000279) | 0.00721 (0.00486, 0.01011) |  |
| Sumatera Selatan | Malaria                                       | 40  | 3.9 (1.6, 7.5)       | 0.000015 (0.0000063, 0.0000289)  | 0.00374 (0.00161, 0.00709)   |  | 2.0 (0.8, 3.9)      | 0.0000078 (0.0000031, 0.0000153) | 0.00309 (0.00128, 0.00617) |  |
| Sumatera Selatan | Tuberculosis                                  | 40  | 95.2 (76.2, 127.3)   | 0.0003691 (0.0002955, 0.0004932) | 0.09177 (0.07895, 0.10554)   |  | 40.9 (30.3, 54.0)   | 0.0001627 (0.0001205, 0.0002148) | 0.06438 (0.05408, 0.07599) |  |
| Sumatera Selatan | Maternal disorders                            | 40  |                      |                                  |                              |  | 7.8 (4.5, 12.1)     | 0.000031 (0.0000180, 0.0000480)  | 0.01226 (0.00785, 0.01826) |  |
| Sumatera Selatan | Other communicable diseases                   | 40  | 32.9 (24.0, 45.2)    | 0.0001274 (0.0000931, 0.0001751) | 0.03168 (0.02417, 0.03999)   |  | 20.7 (14.4, 28.5)   | 0.0000823 (0.0000572, 0.0001132) | 0.0326 (0.02501, 0.04121)  |  |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 40  | 9.2 (5.1, 16.1)      | 0.0000357 (0.0000199, 0.0000626) | 0.00889 (0.00497, 0.01485)   |  | 3.5 (1.9, 5.9)      | 0.0000138 (0.0000077, 0.0000237) | 0.00546 (0.00319, 0.00909) |  |
| Sumatera Selatan | Breast cancer                                 | 40  | 0.8 (0.2, 2.0)       | 0.0000031 (0.0000009, 0.0000077) | 0.00077 (0.00023, 0.00189)   |  | 49.7 (34.5, 68.9)   | 0.0001975 (0.0001372, 0.0002739) | 0.07825 (0.06067, 0.09915) |  |
| Sumatera Selatan | Cervical cancer                               | 40  |                      |                                  |                              |  | 27.5 (16.7, 41.3)   | 0.0001096 (0.0000666, 0.0001644) | 0.0434 (0.02710, 0.06249)  |  |
| Sumatera Selatan | Other malignant neoplasms                     | 40  | 75.3 (58.4, 97.9)    | 0.000292 (0.0002264, 0.0003795)  | 0.07264 (0.06159, 0.08540)   |  | 33.5 (23.3, 45.8)   | 0.0001331 (0.0000932, 0.0001823) | 0.05275 (0.04063, 0.06777) |  |
| Sumatera Selatan | Cerebrovascular disease                       | 40  | 122.2 (99.8, 162.4)  | 0.0004738 (0.0003869, 0.0006295) | 0.11779 (0.10468, 0.13227)   |  | 85.1 (65.3, 108.3)  | 0.0003386 (0.0002597, 0.0004308) | 0.13405 (0.11984, 0.14901) |  |
| Sumatera Selatan | Ischemic heart disease                        | 40  | 235.8 (194.8, 305.8) | 0.0009139 (0.0007551, 0.0011852) | 0.22723 (0.20714, 0.24861)   |  | 102.3 (77.7, 129.7) | 0.000407 (0.0003089, 0.0005157)  | 0.16122 (0.14447, 0.17926) |  |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 40  | 52.4 (41.4, 69.7)    | 0.0002032 (0.0001604, 0.0002700) | 0.05053 (0.04201, 0.06064)   |  | 42.1 (30.4, 56.2)   | 0.0001674 (0.0001211, 0.0002236) | 0.06626 (0.05568, 0.07823) |  |
| Sumatera Selatan | Diabetes mellitus                             | 40  | 53.1 (41.0, 71.0)    | 0.0002058 (0.0001589, 0.0002750) | 0.05116 (0.04212, 0.06071)   |  | 49.5 (36.8, 64.9)   | 0.0001969 (0.0001466, 0.0002583) | 0.07794 (0.06424, 0.09143) |  |
| Sumatera Selatan | Chronic kidney disease                        | 40  | 34.4 (25.1, 46.8)    | 0.0001334 (0.0000974, 0.0001813) | 0.03315 (0.02549, 0.04135)   |  | 22.9 (16.2, 30.9)   | 0.0000913 (0.0000646, 0.0001229) | 0.03614 (0.02796, 0.04491) |  |
| Sumatera Selatan | Cirrhosis                                     | 40  | 58.7 (43.4, 79.1)    | 0.0002275 (0.0001681, 0.0003066) | 0.0566 (0.04331, 0.07221)    |  | 22.7 (16.0, 31.1)   | 0.0000902 (0.0000635, 0.0001236) | 0.03573 (0.02707, 0.04506) |  |
| Sumatera Selatan | Chronic respiratory diseases                  | 40  | 37.0 (27.8, 50.5)    | 0.0001436 (0.0001077, 0.0001958) | 0.03568 (0.02855, 0.04354)   |  | 18.1 (12.9, 24.5)   | 0.000072 (0.0000513, 0.0000975)  | 0.0285 (0.02233, 0.03529)  |  |
| Sumatera Selatan | Other non-communicable diseases               | 40  | 67.0 (53.9, 86.0)    | 0.0002596 (0.0002090, 0.0003334) | 0.06457 (0.05545, 0.07481)   |  | 46.9 (35.4, 60.7)   | 0.0001865 (0.0001407, 0.0002415) | 0.07388 (0.06357, 0.08520) |  |
| Sumatera Selatan | Drowning                                      | 40  | 10.4 (5.3, 18.0)     | 0.0000404 (0.0000205, 0.0000696) | 0.01006 (0.00535, 0.01719)   |  | 3.3 (1.6, 6.3)      | 0.0000132 (0.0000062, 0.0000249) | 0.00523 (0.00263, 0.00931) |  |
| Sumatera Selatan | Falls                                         | 40  | 7.5 (4.0, 12.5)      | 0.0000289 (0.0000156, 0.0000486) | 0.00719 (0.00395, 0.01183)   |  | 2.9 (1.5, 4.9)      | 0.0000115 (0.0000060, 0.0000196) | 0.00455 (0.00250, 0.00730) |  |
| Sumatera Selatan | Interpersonal violence                        | 40  | 4.4 (2.7, 6.9)       | 0.0000172 (0.0000104, 0.0000267) | 0.00429 (0.00267, 0.00636)   |  | 2.1 (1.1, 3.4)      | 0.0000083 (0.0000045, 0.0000135) | 0.0033 (0.00190, 0.00510)  |  |
| Sumatera Selatan | Self-harm                                     | 40  | 6.4 (3.9, 9.7)       | 0.0000248 (0.0000152, 0.0000375) | 0.00616 (0.00401, 0.00905)   |  | 2.4 (1.4, 3.9)      | 0.0000096 (0.0000055, 0.0000155) | 0.00381 (0.00232, 0.00588) |  |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                    |                              | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|------------------------------------|------------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                      | CF (95% UI)                  | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Transport injuries                            | 40  | 74.5 (55.8, 99.6)    | 0.0002887 (0.0002165, 0.0003859)   | 0.07178 (0.05737, 0.08713)   | 20.2 (14.3, 28.1)    | 0.0000803 (0.0000568, 0.0001119) | 0.0318 (0.02425, 0.04067)  |
| Sumatera Selatan | Other unintentional injuries                  | 40  | 29.8 (20.8, 41.9)    | 0.0001155 (0.0000805, 0.0001625)   | 0.0287 (0.02082, 0.03794)    | 9.3 (6.0, 13.4)      | 0.0000368 (0.0000240, 0.0000534) | 0.01459 (0.01028, 0.02010) |
| Sumatera Selatan | Diarrheal diseases                            | 45  | 15.2 (10.1, 21.9)    | 0.0000698 (0.0000465, 0.0001006)   | 0.01234 (0.00863, 0.01689)   | 17.2 (11.7, 24.3)    | 0.0000797 (0.0000545, 0.0001126) | 0.01939 (0.01423, 0.02563) |
| Sumatera Selatan | HIV/AIDS                                      | 45  | 1.6 (0.6, 3.3)       | 0.0000074 (0.0000027, 0.0000153)   | 0.0013 (0.00048, 0.00278)    | 1.3 (0.5, 2.8)       | 0.000006 (0.0000023, 0.0000129)  | 0.00146 (0.00056, 0.00303) |
| Sumatera Selatan | Lower respiratory infections                  | 45  | 10.0 (6.7, 14.8)     | 0.000046 (0.0000308, 0.0000679)    | 0.00812 (0.00577, 0.01129)   | 7.6 (5.0, 11.0)      | 0.0000351 (0.0000232, 0.0000512) | 0.00854 (0.00600, 0.01175) |
| Sumatera Selatan | Malaria                                       | 45  | 3.4 (1.4, 6.9)       | 0.0000158 (0.0000066, 0.0000315)   | 0.0028 (0.00115, 0.00554)    | 2.1 (0.8, 4.2)       | 0.0000098 (0.0000039, 0.0000195) | 0.00238 (0.00099, 0.00470) |
| Sumatera Selatan | Tuberculosis                                  | 45  | 102.6 (80.0, 140.5)  | 0.0004712 (0.0003675, 0.0006453)   | 0.08322 (0.07206, 0.09497)   | 56.0 (42.5, 72.5)    | 0.0002597 (0.0001972, 0.0003363) | 0.06314 (0.05367, 0.07325) |
| Sumatera Selatan | Maternal disorders                            | 45  |                      |                                    |                              | 1.7 (0.8, 3.2)       | 0.0000081 (0.0000038, 0.0000146) | 0.00196 (0.00098, 0.00341) |
| Sumatera Selatan | Other communicable diseases                   | 45  | 28.4 (20.4, 39.4)    | 0.0001302 (0.0000936, 0.0001809)   | 0.02301 (0.01762, 0.02933)   | 23.8 (16.5, 32.7)    | 0.0001106 (0.0000767, 0.0001518) | 0.0269 (0.02066, 0.03446)  |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 45  | 14.8 (8.6, 24.5)     | 0.0000681 (0.0000393, 0.0001123)   | 0.01203 (0.00707, 0.01910)   | 5.0 (2.8, 8.5)       | 0.0000233 (0.0000132, 0.0000392) | 0.00567 (0.00334, 0.00960) |
| Sumatera Selatan | Breast cancer                                 | 45  | 1.0 (0.4, 2.3)       | 0.0000048 (0.0000019, 0.0000106)   | 0.00085 (0.00032, 0.00190)   | 58.2 (41.5, 79.5)    | 0.00027 (0.0001926, 0.0003690)   | 0.06571 (0.05030, 0.08293) |
| Sumatera Selatan | Cervical cancer                               | 45  |                      |                                    |                              | 30.1 (18.0, 45.5)    | 0.0001398 (0.0000835, 0.0002113) | 0.03402 (0.02156, 0.04885) |
| Sumatera Selatan | Other malignant neoplasms                     | 45  | 75.6 (58.2, 98.4)    | 0.000347 (0.0002671, 0.0004518)    | 0.06133 (0.05163, 0.07227)   | 37.0 (25.9, 50.3)    | 0.0001718 (0.0001202, 0.0002336) | 0.04182 (0.03197, 0.05350) |
| Sumatera Selatan | Cerebrovascular disease                       | 45  | 174.3 (141.0, 230.1) | 0.0008005 (0.0006474, 0.0010566)   | 0.14142 (0.12743, 0.15639)   | 143.9 (113.5, 181.0) | 0.0006675 (0.0005267, 0.0008397) | 0.16243 (0.14743, 0.17820) |
| Sumatera Selatan | Ischemic heart disease                        | 45  | 297.5 (239.6, 383.5) | 0.0013659 (0.0011001, 0.0017609)   | 0.2413 (0.22185, 0.26145)    | 153.7 (120.5, 191.0) | 0.0007129 (0.0005590, 0.0008863) | 0.17354 (0.15629, 0.19066) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 45  | 68.4 (53.0, 90.1)    | 0.0003142 (0.0002435, 0.0004135)   | 0.05553 (0.04663, 0.06569)   | 62.9 (46.6, 81.5)    | 0.000292 (0.0002163, 0.0003780)  | 0.07103 (0.05987, 0.08386) |
| Sumatera Selatan | Diabetes mellitus                             | 45  | 88.5 (68.4, 116.7)   | 0.0004062 (0.0003139, 0.0005357)   | 0.07176 (0.06048, 0.08376)   | 94.0 (72.3, 120.9)   | 0.0004363 (0.0003356, 0.0005610) | 0.10612 (0.09132, 0.12219) |
| Sumatera Selatan | Chronic kidney disease                        | 45  | 38.6 (28.0, 53.0)    | 0.0001771 (0.0001285, 0.0002436)   | 0.03128 (0.02453, 0.03964)   | 29.2 (20.5, 38.8)    | 0.0001353 (0.0000951, 0.0001801) | 0.03291 (0.02567, 0.04044) |
| Sumatera Selatan | Cirrhosis                                     | 45  | 62.4 (45.3, 84.8)    | 0.0002866 (0.0002078, 0.0003895)   | 0.05066 (0.03875, 0.06354)   | 28.9 (20.8, 40.0)    | 0.0001343 (0.0000963, 0.0001857) | 0.03268 (0.02463, 0.04116) |
| Sumatera Selatan | Chronic respiratory diseases                  | 45  | 49.3 (37.2, 67.5)    | 0.0002265 (0.0001710, 0.0003100)   | 0.04 (0.03308, 0.04803)      | 27.9 (20.2, 37.2)    | 0.0001293 (0.0000939, 0.0001725) | 0.03145 (0.02547, 0.03826) |
| Sumatera Selatan | Other non-communicable diseases               | 45  | 68.2 (53.7, 88.5)    | 0.0003131 (0.0002466, 0.0004066)   | 0.05533 (0.04758, 0.06373)   | 56.0 (42.6, 72.3)    | 0.0002596 (0.0001975, 0.0003352) | 0.06317 (0.05454, 0.07208) |
| Sumatera Selatan | Drowning                                      | 45  | 7.2 (3.6, 12.5)      | 0.000033 (0.0000166, 0.0000576)    | 0.00582 (0.00304, 0.00990)   | 3.1 (1.5, 5.5)       | 0.0000144 (0.0000071, 0.0000256) | 0.00351 (0.00175, 0.00640) |
| Sumatera Selatan | Falls                                         | 45  | 8.5 (4.5, 14.2)      | 0.0000391 (0.0000207, 0.0000650)   | 0.00691 (0.00379, 0.01089)   | 4.3 (2.2, 7.1)       | 0.0000199 (0.0000102, 0.0000329) | 0.00485 (0.00266, 0.00778) |
| Sumatera Selatan | Interpersonal violence                        | 45  | 4.0 (2.4, 6.1)       | 0.0000183 (0.0000111, 0.0000279)   | 0.00324 (0.00202, 0.00485)   | 2.1 (1.2, 3.5)       | 0.0000099 (0.0000055, 0.0000161) | 0.00241 (0.00137, 0.00381) |
| Sumatera Selatan | Self-harm                                     | 45  | 6.5 (3.9, 9.8)       | 0.0000003 (0.00000178, 0.00000449) | 0.00531 (0.00341, 0.00768)   | 2.8 (1.6, 4.5)       | 0.0000128 (0.0000073, 0.0000208) | 0.00311 (0.00188, 0.00477) |
| Sumatera Selatan | Transport injuries                            | 45  | 77.6 (57.1, 103.5)   | 0.0003562 (0.0002620, 0.0004751)   | 0.06294 (0.05097, 0.07589)   | 26.1 (18.8, 35.0)    | 0.0001212 (0.0000871, 0.0001626) | 0.02953 (0.02273, 0.03745) |
| Sumatera Selatan | Other unintentional injuries                  | 45  | 29.0 (19.6, 42.2)    | 0.0001332 (0.0000898, 0.0001938)   | 0.02353 (0.01713, 0.03141)   | 10.9 (7.1, 15.9)     | 0.0000503 (0.0000330, 0.0000740) | 0.01225 (0.00871, 0.01669) |
| Sumatera Selatan | Diarrheal diseases                            | 50  | 22.9 (15.1, 33.0)    | 0.000123 (0.0000811, 0.0001775)    | 0.01423 (0.01039, 0.01861)   | 22.9 (16.4, 31.5)    | 0.0001337 (0.0000954, 0.0001837) | 0.02153 (0.01650, 0.02718) |
| Sumatera Selatan | HIV/AIDS                                      | 50  | 0.8 (0.3, 1.7)       | 0.0000042 (0.0000014, 0.0000094)   | 0.00048 (0.00016, 0.00108)   | 0.6 (0.2, 1.3)       | 0.0000034 (0.0000012, 0.0000076) | 0.00054 (0.00019, 0.00122) |
| Sumatera Selatan | Lower respiratory infections                  | 50  | 14.6 (9.6, 21.1)     | 0.0000782 (0.0000516, 0.0001136)   | 0.00906 (0.00657, 0.01205)   | 10.2 (6.9, 14.8)     | 0.0000597 (0.0000402, 0.0000864) | 0.0096 (0.00685, 0.01297)  |
| Sumatera Selatan | Malaria                                       | 50  | 3.9 (1.6, 7.8)       | 0.0000208 (0.0000085, 0.0000417)   | 0.00241 (0.00103, 0.00461)   | 2.1 (0.8, 4.3)       | 0.0000123 (0.0000048, 0.0000249) | 0.00198 (0.00082, 0.00392) |
| Sumatera Selatan | Tuberculosis                                  | 50  | 124.3 (94.4, 165.9)  | 0.000668 (0.0005077, 0.0008921)    | 0.07734 (0.06767, 0.08855)   | 63.3 (49.2, 82.3)    | 0.000369 (0.0002869, 0.0004798)  | 0.05935 (0.05094, 0.06939) |
| Sumatera Selatan | Maternal disorders                            | 50  |                      |                                    |                              | 0.7 (0.2, 1.8)       | 0.0000042 (0.0000013, 0.0000103) | 0.00068 (0.00023, 0.00160) |
| Sumatera Selatan | Other communicable diseases                   | 50  | 32.6 (22.7, 45.0)    | 0.0001752 (0.0001223, 0.0002419)   | 0.02029 (0.01565, 0.02575)   | 24.3 (17.2, 34.0)    | 0.0001419 (0.0001003, 0.0001980) | 0.02282 (0.01750, 0.02913) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 50  | 22.8 (12.8, 38.5)    | 0.0001224 (0.0000688, 0.0002070)   | 0.01417 (0.00842, 0.02290)   | 5.6 (3.0, 9.6)       | 0.0000327 (0.0000173, 0.0000560) | 0.00526 (0.00306, 0.00886) |
| Sumatera Selatan | Breast cancer                                 | 50  | 1.2 (0.5, 2.3)       | 0.0000062 (0.0000027, 0.0000124)   | 0.00072 (0.00031, 0.00143)   | 52.8 (37.7, 73.4)    | 0.0003079 (0.0002194, 0.0004279) | 0.04956 (0.03774, 0.06399) |
| Sumatera Selatan | Cervical cancer                               | 50  |                      |                                    |                              | 27.9 (16.6, 43.2)    | 0.0001627 (0.0000965, 0.0002519) | 0.02618 (0.01621, 0.03818) |
| Sumatera Selatan | Other malignant neoplasms                     | 50  | 80.6 (60.0, 105.1)   | 0.0004333 (0.0003225, 0.0005650)   | 0.05019 (0.04266, 0.05893)   | 39.2 (27.5, 53.8)    | 0.0002286 (0.0001603, 0.0003132) | 0.03682 (0.02770, 0.04778) |
| Sumatera Selatan | Cerebrovascular disease                       | 50  | 266.4 (209.6, 345.2) | 0.0014321 (0.0011265, 0.0018556)   | 0.16582 (0.15060, 0.18097)   | 200.9 (160.1, 253.0) | 0.0011704 (0.0009331, 0.0014742) | 0.18837 (0.17233, 0.20534) |
| Sumatera Selatan | Ischemic heart disease                        | 50  | 392.5 (307.4, 507.1) | 0.00211 (0.0016525, 0.0027259)     | 0.24431 (0.22703, 0.26437)   | 190.6 (152.0, 240.7) | 0.0011108 (0.0008857, 0.0014026) | 0.17882 (0.16138, 0.19628) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 50  | 103.6 (77.5, 137.5)  | 0.0005569 (0.0004166, 0.0007391)   | 0.06452 (0.05538, 0.07564)   | 86.0 (66.1, 111.8)   | 0.0005013 (0.0003854, 0.0006517) | 0.08065 (0.06905, 0.09329) |
| Sumatera Selatan | Diabetes mellitus                             | 50  | 134.5 (100.7, 174.9) | 0.0007231 (0.0005413, 0.0009402)   | 0.08373 (0.07196, 0.09630)   | 131.3 (101.7, 168.8) | 0.0007649 (0.0005927, 0.0009837) | 0.12309 (0.10705, 0.14012) |
| Sumatera Selatan | Chronic kidney disease                        | 50  | 46.2 (32.4, 62.9)    | 0.0002482 (0.0001744, 0.0003379)   | 0.02873 (0.02265, 0.03585)   | 32.3 (22.9, 43.2)    | 0.0001888 (0.0001335, 0.0002520) | 0.03026 (0.02357, 0.03689) |
| Sumatera Selatan | Cirrhosis                                     | 50  | 75.1 (53.3, 101.6)   | 0.0004038 (0.0002866, 0.0005464)   | 0.0468 (0.03589, 0.05854)    | 32.1 (23.0, 44.1)    | 0.0001872 (0.0001340, 0.0002571) | 0.03012 (0.02288, 0.03782) |
| Sumatera Selatan | Chronic respiratory diseases                  | 50  | 76.5 (56.9, 102.5)   | 0.0004113 (0.0003057, 0.0005510)   | 0.04763 (0.03997, 0.05672)   | 39.5 (28.9, 52.6)    | 0.0002302 (0.0001684, 0.0003063) | 0.03703 (0.03021, 0.04438) |
| Sumatera Selatan | Other non-communicable diseases               | 50  | 82.4 (62.9, 108.1)   | 0.0004428 (0.0003381, 0.0005812)   | 0.05131 (0.04421, 0.05955)   | 61.7 (47.3, 79.7)    | 0.0003594 (0.0002758, 0.0004645) | 0.05784 (0.04967, 0.06682) |
| Sumatera Selatan | Drowning                                      | 50  | 6.1 (2.8, 10.9)      | 0.0000328 (0.0000153, 0.0000588)   | 0.00381 (0.00190, 0.00648)   | 2.4 (1.0, 4.5)       | 0.0000139 (0.0000061, 0.0000263) | 0.00224 (0.00101, 0.00416) |
| Sumatera Selatan | Falls                                         | 50  | 11.2 (5.9, 18.5)     | 0.0000603 (0.0000317, 0.0000996)   | 0.00699 (0.00379, 0.01077)   | 5.1 (2.7, 8.1)       | 0.0000296 (0.0000157, 0.0000473) | 0.00477 (0.00260, 0.00739) |
| Sumatera Selatan | Interpersonal violence                        | 50  | 3.6 (2.0, 5.7)       | 0.0000192 (0.0000109, 0.0000309)   | 0.00223 (0.00138, 0.00336)   | 1.7 (0.9, 2.9)       | 0.0000101 (0.0000055, 0.0000168) | 0.00162 (0.00091, 0.00262) |
| Sumatera Selatan | Self-harm                                     | 50  | 6.5 (3.8, 10.1)      | 0.0000349 (0.0000206, 0.0000541)   | 0.00405 (0.00258, 0.00593)   | 2.5 (1.4, 4.0)       | 0.0000144 (0.0000081, 0.0000234) | 0.00232 (0.00138, 0.00360) |
| Sumatera Selatan | Transport injuries                            | 50  | 70.9 (49.9, 97.2)    | 0.0003809 (0.0002683, 0.0005227)   | 0.04411 (0.03469, 0.05360)   | 21.2 (15.3, 29.1)    | 0.0001238 (0.0000890, 0.0001694) | 0.01993 (0.01540, 0.02542) |
| Sumatera Selatan | Other unintentional injuries                  | 50  | 27.4 (17.6, 40.4)    | 0.0001474 (0.0000946, 0.0002171)   | 0.01706 (0.01212, 0.02294)   | 9.2 (6.0, 13.2)      | 0.0000536 (0.0000350, 0.0000769) | 0.00863 (0.00596, 0.01176) |
| Sumatera Selatan | Diarrheal diseases                            | 55  | 23.8 (16.1, 33.8)    | 0.0001833 (0.0001235, 0.0002597)   | 0.01435 (0.01063, 0.01870)   | 24.0 (16.7, 32.2)    | 0.0002106 (0.0001470, 0.0002827) | 0.02229 (0.01716, 0.02804) |
| Sumatera Selatan | HIV/AIDS                                      | 55  | 0.3 (0.1, 0.7)       | 0.0000024 (0.0000007, 0.0000057)   | 0.00019 (0.000006, 0.000045) | 0.2 (0.1, 0.5)       | 0.000002 (0.0000006, 0.0000047)  | 0.00022 (0.00007, 0.00051) |
| Sumatera Selatan | Lower respiratory infections                  | 55  | 14.6 (9.5, 20.6)     | 0.0001126 (0.0000734, 0.0001585)   | 0.00883 (0.00618, 0.01190)   | 10.5 (7.0, 14.9)     | 0.000092 (0.0000613, 0.0001305)  | 0.00974 (0.00704, 0.01333) |
| Sumatera Selatan | Malaria                                       | 55  | 3.8 (1.5, 7.3)       | 0.0000294 (0.0000115, 0.0000562)   | 0.00231 (0.00092, 0.00448)   | 1.9 (0.8, 3.9)       | 0.0000171 (0.0000066, 0.0000346) | 0.00181 (0.00073, 0.00370) |
| Sumatera Selatan | Tuberculosis                                  | 55  | 111.8 (83.0, 148.5)  | 0.0008599 (0.0006379, 0.0011420)   | 0.06734 (0.05793, 0.07779)   | 53.3 (40.8, 69.6)    | 0.0004682 (0.0003585, 0.0006112) | 0.04957 (0.04203, 0.05874) |
| Sumatera Selatan | Other communicable diseases                   | 55  | 29.4 (20.1, 40.9)    | 0.0002259 (0.0001542, 0.0003145)   | 0.01769 (0.01329, 0.02236)   | 22.5 (15.7, 31.2)    | 0.0001975 (0.0001383, 0.0002737) | 0.0209 (0.01552, 0.02670)  |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 55  | 21.3 (12.1, 35.0)    | 0.0001641 (0.0000929, 0.0002692)   | 0.01283 (0.00799, 0.01979)   | 4.5 (2.4, 7.6)       | 0.00004 (0.0000215, 0.0000666)   | 0.00423 (0.00239, 0.00687) |
| Sumatera Selatan | Breast cancer                                 | 55  | 1.1 (0.5, 1.9)       | 0.0000081 (0.0000038, 0.0000145)   | 0.00064 (0.00031, 0.00115)   | 39.4 (27.8, 54.6)    | 0.0003458 (0.0002440, 0.0004792) | 0.03663 (0.02730, 0.04676) |
| Sumatera Selatan | Cervical cancer                               | 55  |                      |                                    |                              | 18.9 (10.8, 30.1)    | 0.0001664 (0.0000945, 0.0002642) | 0.01761 (0.01053, 0.02634) |
| Sumatera Selatan | Other malignant neoplasms                     | 55  | 63.1 (45.7, 82.5)    | 0.0004852 (0.0003516, 0.0006344)   | 0.03801 (0.03183, 0.04485)   | 34.3 (24.1, 46.7)    | 0.0003016 (0.0002120, 0.0004103) | 0.03195 (0.02453, 0.04097) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
|                  |                                               |     |                      |                                  |                            |                      |                                  |                            |
| Sumatera Selatan | Cerebrovascular disease                       | 55  | 309.4 (239.1, 398.9) | 0.0023794 (0.0018384, 0.0030674) | 0.1863 (0.17119, 0.20252)  | 230.0 (184.2, 287.5) | 0.0020197 (0.0016180, 0.0025253) | 0.21385 (0.19732, 0.23063) |
| Sumatera Selatan | Ischemic heart disease                        | 55  | 440.3 (340.3, 565.6) | 0.0033861 (0.0026165, 0.0043495) | 0.26519 (0.24629, 0.28545) | 207.8 (166.0, 260.0) | 0.0018251 (0.0014580, 0.0022837) | 0.19329 (0.17642, 0.20963) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 55  | 117.5 (87.5, 154.0)  | 0.0009037 (0.0006725, 0.0011845) | 0.07081 (0.06044, 0.08240) | 94.5 (72.9, 122.3)   | 0.0008298 (0.0006404, 0.0010736) | 0.08785 (0.07548, 0.10124) |
| Sumatera Selatan | Diabetes mellitus                             | 55  | 145.7 (108.0, 190.1) | 0.0011207 (0.0008306, 0.0014621) | 0.08775 (0.07585, 0.10134) | 137.1 (106.7, 174.8) | 0.0012041 (0.0009369, 0.0015349) | 0.12748 (0.11113, 0.14485) |
| Sumatera Selatan | Chronic kidney disease                        | 55  | 45.9 (31.7, 62.7)    | 0.0003531 (0.0002441, 0.0004822) | 0.02764 (0.02206, 0.03420) | 30.5 (22.0, 40.9)    | 0.0002676 (0.0001932, 0.0003589) | 0.02834 (0.02233, 0.03496) |
| Sumatera Selatan | Cirrhosis                                     | 55  | 67.5 (46.8, 91.4)    | 0.0005193 (0.0003597, 0.0007025) | 0.04069 (0.03123, 0.05096) | 28.9 (20.6, 39.1)    | 0.0002537 (0.0001810, 0.0003436) | 0.02687 (0.02069, 0.03355) |
| Sumatera Selatan | Chronic respiratory diseases                  | 55  | 84.8 (62.1, 112.4)   | 0.0006525 (0.0004775, 0.0008645) | 0.05112 (0.04299, 0.06022) | 42.3 (31.8, 55.2)    | 0.0003712 (0.0002796, 0.0004851) | 0.03929 (0.03288, 0.04634) |
| Sumatera Selatan | Other non-communicable diseases               | 55  | 85.4 (64.2, 112.4)   | 0.0006566 (0.0004936, 0.0008642) | 0.05145 (0.04409, 0.05957) | 62.7 (48.7, 80.4)    | 0.0005507 (0.0004273, 0.0007060) | 0.05832 (0.05006, 0.06754) |
| Sumatera Selatan | Drowning                                      | 55  | 4.3 (1.9, 8.4)       | 0.0000327 (0.0000146, 0.0000644) | 0.00257 (0.00119, 0.00484) | 1.8 (0.8, 3.6)       | 0.0000158 (0.0000067, 0.0000313) | 0.00168 (0.00076, 0.00320) |
| Sumatera Selatan | Falls                                         | 55  | 11.7 (6.3, 19.1)     | 0.0000901 (0.0000485, 0.0001465) | 0.00706 (0.00406, 0.01073) | 5.5 (3.0, 8.7)       | 0.0000485 (0.0000264, 0.0000767) | 0.00514 (0.00300, 0.00781) |
| Sumatera Selatan | Interpersonal violence                        | 55  | 2.9 (1.5, 4.7)       | 0.0000222 (0.0000119, 0.0000362) | 0.00174 (0.00009, 0.00270) | 1.3 (0.7, 2.2)       | 0.0000112 (0.0000059, 0.0000190) | 0.00119 (0.00066, 0.00193) |
| Sumatera Selatan | Self-harm                                     | 55  | 6.1 (3.5, 9.2)       | 0.0000466 (0.0000269, 0.0000707) | 0.00365 (0.00232, 0.00533) | 2.1 (1.1, 3.3)       | 0.0000181 (0.0000100, 0.0000290) | 0.00192 (0.00115, 0.00294) |
| Sumatera Selatan | Transport injuries                            | 55  | 47.1 (32.3, 66.8)    | 0.0003618 (0.0002487, 0.0005138) | 0.02832 (0.02186, 0.03670) | 14.0 (9.7, 19.6)     | 0.0001233 (0.0000852, 0.0001724) | 0.01306 (0.00962, 0.01744) |
| Sumatera Selatan | Other unintentional injuries                  | 55  | 22.5 (14.2, 33.1)    | 0.000173 (0.0001092, 0.0002545)  | 0.01354 (0.00942, 0.01835) | 7.3 (4.7, 10.9)      | 0.0000642 (0.0000411, 0.0000957) | 0.00679 (0.00461, 0.00947) |
| Sumatera Selatan | Diarrheal diseases                            | 60  | 27.0 (17.9, 38.8)    | 0.0003216 (0.0002130, 0.0004621) | 0.015 (0.01121, 0.01938)   | 30.6 (22.0, 40.4)    | 0.0003514 (0.0002528, 0.0004648) | 0.02349 (0.01806, 0.02921) |
| Sumatera Selatan | HIV/AIDS                                      | 60  | 0.2 (0.1, 0.5)       | 0.0000027 (0.0000007, 0.0000065) | 0.00013 (0.00003, 0.00031) | 0.2 (0.1, 0.5)       | 0.0000022 (0.0000006, 0.0000053) | 0.00014 (0.00004, 0.00034) |
| Sumatera Selatan | Lower respiratory infections                  | 60  | 20.0 (13.0, 28.9)    | 0.0002379 (0.0001546, 0.0003439) | 0.01112 (0.00810, 0.01484) | 17.2 (11.7, 24.0)    | 0.0001976 (0.0001342, 0.0002761) | 0.01321 (0.00977, 0.01778) |
| Sumatera Selatan | Malaria                                       | 60  | 4.2 (1.7, 8.3)       | 0.0000498 (0.0000200, 0.0000985) | 0.00233 (0.00099, 0.00445) | 2.3 (0.9, 4.6)       | 0.0000261 (0.0000100, 0.0000530) | 0.00175 (0.00070, 0.00341) |
| Sumatera Selatan | Tuberculosis                                  | 60  | 136.3 (100.2, 175.6) | 0.0016239 (0.0011941, 0.0020927) | 0.07583 (0.06625, 0.08661) | 74.5 (55.3, 94.4)    | 0.0008568 (0.0006704, 0.0010849) | 0.05727 (0.04890, 0.06667) |
| Sumatera Selatan | Other communicable diseases                   | 60  | 23.5 (15.6, 33.4)    | 0.0002804 (0.0001853, 0.0003981) | 0.01309 (0.00975, 0.01706) | 20.7 (14.1, 28.6)    | 0.0002374 (0.0001625, 0.0003292) | 0.01587 (0.01168, 0.02079) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 60  | 23.3 (13.1, 38.2)    | 0.0002782 (0.0001564, 0.0004547) | 0.01296 (0.00786, 0.01982) | 4.8 (2.7, 8.2)       | 0.0000554 (0.0000312, 0.0000943) | 0.0037 (0.00218, 0.00595)  |
| Sumatera Selatan | Breast cancer                                 | 60  | 1.0 (0.4, 1.9)       | 0.0000121 (0.0000053, 0.0000230) | 0.00057 (0.00027, 0.00103) | 33.5 (23.3, 46.0)    | 0.0003857 (0.0002675, 0.0005291) | 0.02581 (0.01907, 0.03351) |
| Sumatera Selatan | Cervical cancer                               | 60  |                      |                                  |                            | 17.0 (9.5, 26.8)     | 0.000195 (0.0001095, 0.0003079)  | 0.01303 (0.00781, 0.01936) |
| Sumatera Selatan | Other malignant neoplasms                     | 60  | 61.7 (43.9, 81.6)    | 0.0007354 (0.0005229, 0.0009720) | 0.03435 (0.02875, 0.04019) | 40.6 (29.3, 54.0)    | 0.0004671 (0.0003373, 0.0006206) | 0.03124 (0.02393, 0.03956) |
| Sumatera Selatan | Cerebrovascular disease                       | 60  | 354.5 (269.3, 448.4) | 0.0042246 (0.0032086, 0.0053435) | 0.19719 (0.18215, 0.21280) | 298.3 (243.4, 362.4) | 0.0034298 (0.0027988, 0.0041664) | 0.22936 (0.21293, 0.24660) |
| Sumatera Selatan | Ischemic heart disease                        | 60  | 458.9 (346.9, 577.0) | 0.0054681 (0.0041339, 0.0068754) | 0.25528 (0.23751, 0.27326) | 252.6 (203.2, 305.4) | 0.0029042 (0.0023361, 0.0035111) | 0.19422 (0.17855, 0.21075) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 60  | 137.7 (101.4, 180.2) | 0.0016412 (0.0012083, 0.0021469) | 0.07665 (0.06633, 0.08886) | 119.8 (93.5, 150.3)  | 0.0013773 (0.0010746, 0.0017279) | 0.09209 (0.08014, 0.10558) |
| Sumatera Selatan | Diabetes mellitus                             | 60  | 137.6 (100.3, 181.5) | 0.0016396 (0.0011952, 0.0021624) | 0.07652 (0.06549, 0.08878) | 145.3 (113.7, 179.1) | 0.00167 (0.0013072, 0.0020591)   | 0.11167 (0.09714, 0.12637) |
| Sumatera Selatan | Chronic kidney disease                        | 60  | 45.1 (31.2, 62.6)    | 0.0005369 (0.0003714, 0.0007458) | 0.02505 (0.01987, 0.03140) | 32.9 (24.1, 43.0)    | 0.0003786 (0.0002777, 0.0004939) | 0.02531 (0.01995, 0.03118) |
| Sumatera Selatan | Cirrhosis                                     | 60  | 60.0 (39.9, 82.1)    | 0.0007149 (0.0004749, 0.0009781) | 0.03338 (0.02575, 0.04194) | 29.4 (21.4, 38.8)    | 0.000338 (0.0002457, 0.0004464)  | 0.02261 (0.01713, 0.02852) |
| Sumatera Selatan | Chronic respiratory diseases                  | 60  | 127.7 (93.4, 167.3)  | 0.0015218 (0.0011136, 0.0019939) | 0.07104 (0.06177, 0.08213) | 68.3 (52.3, 85.8)    | 0.0007848 (0.0006011, 0.0009868) | 0.05246 (0.04495, 0.06067) |
| Sumatera Selatan | Other non-communicable diseases               | 60  | 101.3 (73.8, 132.2)  | 0.0012068 (0.0008798, 0.0015751) | 0.05634 (0.04881, 0.06485) | 82.5 (62.2, 103.1)   | 0.0009481 (0.0007496, 0.0011859) | 0.06341 (0.05496, 0.07256) |
| Sumatera Selatan | Drowning                                      | 60  | 3.1 (1.2, 6.3)       | 0.0000364 (0.0000143, 0.0000746) | 0.0017 (0.00069, 0.00330)  | 1.6 (0.6, 3.3)       | 0.0000185 (0.0000071, 0.0000376) | 0.00124 (0.00049, 0.00245) |
| Sumatera Selatan | Falls                                         | 60  | 9.6 (5.1, 15.9)      | 0.0001149 (0.0000605, 0.0001893) | 0.00537 (0.00304, 0.00814) | 5.4 (3.0, 8.5)       | 0.0000626 (0.0000345, 0.0000974) | 0.00419 (0.00241, 0.00640) |
| Sumatera Selatan | Interpersonal violence                        | 60  | 2.1 (1.1, 3.7)       | 0.000025 (0.0000126, 0.0000438)  | 0.00117 (0.00063, 0.00193) | 1.0 (0.5, 1.8)       | 0.0000116 (0.0000061, 0.0000207) | 0.00077 (0.00043, 0.00131) |
| Sumatera Selatan | Self-harm                                     | 60  | 5.1 (2.9, 8.0)       | 0.0000602 (0.0000349, 0.0000954) | 0.00281 (0.00178, 0.00428) | 1.8 (1.1, 3.0)       | 0.0000212 (0.0000123, 0.0000341) | 0.00142 (0.00086, 0.00222) |
| Sumatera Selatan | Transport injuries                            | 60  | 39.2 (26.4, 55.4)    | 0.0004672 (0.0003147, 0.0006604) | 0.02181 (0.01668, 0.02779) | 13.6 (9.5, 19.0)     | 0.0001568 (0.0001096, 0.0002188) | 0.01049 (0.00763, 0.01400) |
| Sumatera Selatan | Other unintentional injuries                  | 60  | 18.5 (11.3, 28.5)    | 0.0002209 (0.0001347, 0.0003393) | 0.01031 (0.00696, 0.01433) | 6.8 (4.3, 10.0)      | 0.0000785 (0.0000499, 0.0001152) | 0.00525 (0.00352, 0.00741) |
| Sumatera Selatan | Diarrheal diseases                            | 65  | 44.1 (30.1, 62.1)    | 0.0007099 (0.0004841, 0.0010006) | 0.02318 (0.01832, 0.02822) | 53.2 (39.9, 67.7)    | 0.0008091 (0.0006063, 0.0010297) | 0.03585 (0.02908, 0.04261) |
| Sumatera Selatan | HIV/AIDS                                      | 65  | 0.2 (0.1, 0.5)       | 0.0000036 (0.0000010, 0.0000084) | 0.00012 (0.00003, 0.00029) | 0.2 (0.1, 0.5)       | 0.000003 (0.0000009, 0.0000070)  | 0.00013 (0.00004, 0.00030) |
| Sumatera Selatan | Lower respiratory infections                  | 65  | 24.2 (15.6, 35.8)    | 0.0003895 (0.0002505, 0.0005757) | 0.01274 (0.00932, 0.01731) | 23.2 (15.8, 32.2)    | 0.0003525 (0.0002402, 0.0004904) | 0.01562 (0.01160, 0.02088) |
| Sumatera Selatan | Malaria                                       | 65  | 4.3 (1.7, 8.4)       | 0.0000687 (0.0000276, 0.0001350) | 0.00224 (0.00095, 0.00416) | 2.3 (0.9, 4.6)       | 0.0000343 (0.0000135, 0.0000701) | 0.00152 (0.00063, 0.00302) |
| Sumatera Selatan | Tuberculosis                                  | 65  | 148.9 (108.5, 195.7) | 0.0023974 (0.0017466, 0.0031514) | 0.07834 (0.06865, 0.08935) | 82.6 (63.7, 104.5)   | 0.001256 (0.0009681, 0.0015890)  | 0.05565 (0.04708, 0.06570) |
| Sumatera Selatan | Other communicable diseases                   | 65  | 22.5 (14.2, 33.1)    | 0.0003625 (0.0002285, 0.0005325) | 0.01184 (0.00852, 0.01563) | 21.7 (14.9, 30.4)    | 0.0003298 (0.0002269, 0.0004615) | 0.0146 (0.01050, 0.01920)  |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 65  | 19.2 (10.6, 32.6)    | 0.0003092 (0.0001706, 0.0005257) | 0.01008 (0.00605, 0.01565) | 4.1 (2.4, 6.8)       | 0.0000622 (0.0000358, 0.0001032) | 0.00276 (0.00163, 0.00430) |
| Sumatera Selatan | Breast cancer                                 | 65  | 0.9 (0.3, 1.7)       | 0.000014 (0.0000053, 0.0000279)  | 0.00046 (0.00018, 0.00088) | 25.2 (17.2, 35.4)    | 0.0003828 (0.0002621, 0.0005381) | 0.01697 (0.01231, 0.02282) |
| Sumatera Selatan | Cervical cancer                               | 65  |                      |                                  |                            | 13.1 (7.1, 21.0)     | 0.0001991 (0.0001082, 0.0003198) | 0.00882 (0.00499, 0.01356) |
| Sumatera Selatan | Other malignant neoplasms                     | 65  | 51.5 (36.0, 69.3)    | 0.0008301 (0.0005800, 0.0011161) | 0.02715 (0.02254, 0.03247) | 42.5 (30.8, 55.5)    | 0.0006468 (0.0004685, 0.0008436) | 0.02867 (0.02253, 0.03534) |
| Sumatera Selatan | Cerebrovascular disease                       | 65  | 392.7 (292.4, 507.3) | 0.0063238 (0.0047085, 0.0081702) | 0.20656 (0.19161, 0.22331) | 363.5 (292.6, 440.0) | 0.0055271 (0.0044488, 0.0066902) | 0.24493 (0.22829, 0.26296) |
| Sumatera Selatan | Ischemic heart disease                        | 65  | 474.3 (352.2, 610.8) | 0.0076383 (0.0056725, 0.0098365) | 0.24956 (0.23201, 0.26845) | 281.1 (222.9, 343.8) | 0.004274 (0.0033900, 0.0052277)  | 0.18943 (0.17389, 0.20669) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 65  | 161.7 (117.5, 215.7) | 0.002604 (0.0018915, 0.0034734)  | 0.08511 (0.07368, 0.09860) | 150.1 (116.2, 185.5) | 0.0022824 (0.0017667, 0.0028213) | 0.10114 (0.08804, 0.11454) |
| Sumatera Selatan | Diabetes mellitus                             | 65  | 117.5 (83.0, 157.9)  | 0.0018916 (0.0013361, 0.0025426) | 0.06176 (0.05250, 0.07204) | 134.4 (103.1, 166.5) | 0.0020431 (0.0015673, 0.0025316) | 0.09052 (0.07790, 0.10391) |
| Sumatera Selatan | Chronic kidney disease                        | 65  | 44.9 (30.4, 64.3)    | 0.0007225 (0.0004894, 0.0010359) | 0.02359 (0.01874, 0.02980) | 34.5 (24.4, 45.2)    | 0.0005248 (0.0003716, 0.0006866) | 0.02325 (0.01839, 0.02856) |
| Sumatera Selatan | Cirrhosis                                     | 65  | 49.6 (32.4, 69.9)    | 0.0007984 (0.0005211, 0.0011262) | 0.02609 (0.01997, 0.03335) | 27.3 (19.8, 36.9)    | 0.000415 (0.0003013, 0.0005609)  | 0.0184 (0.01407, 0.02361)  |
| Sumatera Selatan | Chronic respiratory diseases                  | 65  | 152.7 (110.2, 201.6) | 0.0024598 (0.0017747, 0.0032473) | 0.08037 (0.06973, 0.09231) | 86.5 (66.1, 109.2)   | 0.0013149 (0.0010048, 0.0016609) | 0.05826 (0.04967, 0.06768) |
| Sumatera Selatan | Other non-communicable diseases               | 65  | 121.1 (87.9, 158.9)  | 0.0019496 (0.0014150, 0.0025584) | 0.06373 (0.05518, 0.07364) | 107.1 (84.1, 132.7)  | 0.0016279 (0.0012793, 0.0020182) | 0.07218 (0.06227, 0.08248) |
| Sumatera Selatan | Drowning                                      | 65  | 2.5 (0.9, 5.3)       | 0.000041 (0.0000150, 0.0000854)  | 0.00134 (0.00053, 0.00271) | 1.7 (0.6, 3.5)       | 0.0000255 (0.0000097, 0.0000540) | 0.00113 (0.00045, 0.00233) |
| Sumatera Selatan | Falls                                         | 65  | 10.3 (5.2, 17.6)     | 0.0001666 (0.0000837, 0.0002826) | 0.00545 (0.00314, 0.00854) | 7.0 (3.9, 10.9)      | 0.0001059 (0.0000587, 0.0001662) | 0.00469 (0.00275, 0.00716) |
| Sumatera Selatan | Interpersonal violence                        | 65  | 1.7 (0.8, 3.3)       | 0.0000275 (0.0000128, 0.0000527) | 0.0009 (0.00044, 0.00163)  | 0.8 (0.4, 1.6)       | 0.0000127 (0.0000061, 0.0000236) | 0.00056 (0.00028, 0.00104) |
| Sumatera Selatan | Self-harm                                     | 65  | 4.7 (2.6, 8.0)       | 0.000076 (0.0000419, 0.0001283)  | 0.00249 (0.00145, 0.00396) | 1.7 (1.0, 2.8)       | 0.000026 (0.0000146, 0.0000426)  | 0.00115 (0.00066, 0.00186) |
| Sumatera Selatan | Transport injuries                            | 65  | 33.6 (21.6, 49.1)    | 0.000541 (0.0003475, 0.0007905)  | 0.01768 (0.01302, 0.02314) | 13.3 (8.9, 19.1)     | 0.0002026 (0.0001356, 0.0002898) | 0.00898 (0.00645, 0.01211) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Other unintentional injuries                  | 65  | 17.5 (10.3, 26.6)    | 0.0002821 (0.0001663, 0.0004287) | 0.00922 (0.00628, 0.01286) | 7.1 (4.4, 10.2)      | 0.0001073 (0.0000662, 0.0001554) | 0.00476 (0.00317, 0.00669) |
| Sumatera Selatan | Diarrheal diseases                            | 70  | 70.3 (48.6, 95.9)    | 0.001577 (0.0010914, 0.0021520)  | 0.03264 (0.02665, 0.03893) | 85.5 (64.9, 105.9)   | 0.0017215 (0.0013061, 0.0021315) | 0.04678 (0.03912, 0.05466) |
| Sumatera Selatan | HIV/AIDS                                      | 70  | 0.3 (0.1, 0.8)       | 0.0000077 (0.0000021, 0.0000184) | 0.00016 (0.00005, 0.00037) | 0.3 (0.1, 0.7)       | 0.0000063 (0.0000019, 0.0000149) | 0.00017 (0.00005, 0.00039) |
| Sumatera Selatan | Lower respiratory infections                  | 70  | 35.9 (22.8, 52.8)    | 0.0008065 (0.0005121, 0.0011859) | 0.01671 (0.01230, 0.02232) | 36.8 (25.6, 49.6)    | 0.0007419 (0.0005160, 0.0009987) | 0.02017 (0.01505, 0.02631) |
| Sumatera Selatan | Malaria                                       | 70  | 4.3 (1.7, 8.4)       | 0.0000969 (0.0000386, 0.0001885) | 0.00201 (0.00085, 0.00387) | 2.3 (0.9, 4.6)       | 0.0000462 (0.0000183, 0.0000929) | 0.00126 (0.00051, 0.00250) |
| Sumatera Selatan | Tuberculosis                                  | 70  | 172.0 (123.2, 227.1) | 0.0038601 (0.0027642, 0.0050956) | 0.0799 (0.06950, 0.09116)  | 102.6 (78.8, 128.4)  | 0.0020652 (0.0015877, 0.0025862) | 0.05611 (0.04765, 0.06584) |
| Sumatera Selatan | Other communicable diseases                   | 70  | 26.9 (17.3, 39.6)    | 0.000603 (0.0003887, 0.0008892)  | 0.01248 (0.00917, 0.01646) | 26.2 (18.1, 35.9)    | 0.0005272 (0.0003645, 0.0007234) | 0.01433 (0.01032, 0.01884) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 70  | 18.3 (10.0, 31.2)    | 0.0004097 (0.0002240, 0.0007001) | 0.00846 (0.00524, 0.01314) | 4.2 (2.4, 7.0)       | 0.0000839 (0.0000473, 0.0001410) | 0.00228 (0.00132, 0.00372) |
| Sumatera Selatan | Breast cancer                                 | 70  | 0.7 (0.2, 1.4)       | 0.000015 (0.0000049, 0.0000321)  | 0.00031 (0.00011, 0.00065) | 18.2 (12.1, 25.6)    | 0.0003674 (0.0002445, 0.0005148) | 0.00999 (0.00701, 0.01367) |
| Sumatera Selatan | Cervical cancer                               | 70  |                      |                                  |                            | 9.1 (4.9, 14.8)      | 0.0001826 (0.0000987, 0.0002976) | 0.00496 (0.00271, 0.00787) |
| Sumatera Selatan | Other malignant neoplasms                     | 70  | 44.1 (30.3, 60.4)    | 0.0009905 (0.0006800, 0.0013554) | 0.02051 (0.01691, 0.02443) | 41.4 (30.6, 53.6)    | 0.0008329 (0.0006170, 0.0010792) | 0.02265 (0.01789, 0.02863) |
| Sumatera Selatan | Cerebrovascular disease                       | 70  | 450.1 (334.3, 582.9) | 0.0101017 (0.0075025, 0.0130822) | 0.20906 (0.19417, 0.22535) | 459.8 (365.5, 540.2) | 0.0092595 (0.0073606, 0.0108777) | 0.2517 (0.23499, 0.26946)  |
| Sumatera Selatan | Ischemic heart disease                        | 70  | 506.6 (372.2, 651.7) | 0.01137 (0.0083527, 0.0146261)   | 0.23534 (0.21855, 0.25254) | 347.1 (278.6, 407.1) | 0.0069902 (0.0056095, 0.0081974) | 0.19006 (0.17399, 0.20737) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 70  | 197.5 (142.6, 262.4) | 0.0044312 (0.0032014, 0.0058886) | 0.09174 (0.07991, 0.10452) | 195.9 (154.7, 235.9) | 0.0039456 (0.0031142, 0.0047506) | 0.10725 (0.09394, 0.12159) |
| Sumatera Selatan | Diabetes mellitus                             | 70  | 96.9 (67.6, 131.2)   | 0.0021756 (0.0015171, 0.0029440) | 0.04502 (0.03796, 0.05258) | 123.6 (96.6, 152.1)  | 0.0024881 (0.0019457, 0.0030626) | 0.06764 (0.05740, 0.07808) |
| Sumatera Selatan | Chronic kidney disease                        | 70  | 43.1 (28.4, 62.9)    | 0.0009668 (0.0006385, 0.0014107) | 0.01999 (0.01577, 0.02514) | 36.6 (26.3, 46.7)    | 0.0007364 (0.0005295, 0.0009403) | 0.02002 (0.01544, 0.02484) |
| Sumatera Selatan | Cirrhosis                                     | 70  | 46.6 (30.2, 66.3)    | 0.001046 (0.0006775, 0.0014876)  | 0.02165 (0.01656, 0.02739) | 28.4 (20.6, 37.7)    | 0.0005716 (0.0004138, 0.0007590) | 0.01555 (0.01170, 0.01966) |
| Sumatera Selatan | Chronic respiratory diseases                  | 70  | 212.6 (153.5, 278.8) | 0.004771 (0.0034440, 0.0062571)  | 0.09876 (0.08649, 0.11090) | 127.1 (99.7, 154.1)  | 0.0025592 (0.0020070, 0.0031024) | 0.06958 (0.06011, 0.07972) |
| Sumatera Selatan | Other non-communicable diseases               | 70  | 149.8 (107.7, 196.9) | 0.0033621 (0.0024169, 0.0044182) | 0.06964 (0.06075, 0.08013) | 144.1 (114.3, 174.9) | 0.0029027 (0.0023023, 0.0035215) | 0.07894 (0.06892, 0.09020) |
| Sumatera Selatan | Drowning                                      | 70  | 4.7 (2.1, 9.2)       | 0.0001062 (0.0000475, 0.0002066) | 0.0022 (0.00107, 0.00410)  | 3.3 (1.6, 6.3)       | 0.0000671 (0.0000322, 0.0001278) | 0.00182 (0.00088, 0.00349) |
| Sumatera Selatan | Falls                                         | 70  | 12.7 (6.5, 21.4)     | 0.0002849 (0.0001455, 0.0004805) | 0.0059 (0.00335, 0.00933)  | 9.1 (5.3, 14.0)      | 0.0001837 (0.0001058, 0.0002823) | 0.005 (0.00294, 0.00745)   |
| Sumatera Selatan | Interpersonal violence                        | 70  | 1.3 (0.5, 2.6)       | 0.0000296 (0.0000121, 0.0000591) | 0.00061 (0.00027, 0.00118) | 0.7 (0.3, 1.4)       | 0.0000138 (0.0000060, 0.0000285) | 0.00038 (0.00017, 0.00075) |
| Sumatera Selatan | Self-harm                                     | 70  | 4.3 (2.2, 7.2)       | 0.0000964 (0.0000500, 0.0001626) | 0.002 (0.00119, 0.00319)   | 1.6 (0.9, 2.8)       | 0.0000332 (0.0000181, 0.0000557) | 0.0009 (0.00050, 0.00149)  |
| Sumatera Selatan | Transport injuries                            | 70  | 35.0 (22.4, 51.6)    | 0.0007862 (0.0005027, 0.0011573) | 0.01627 (0.01203, 0.02154) | 14.8 (10.2, 20.8)    | 0.000298 (0.0002054, 0.0004193)  | 0.00811 (0.00576, 0.01118) |
| Sumatera Selatan | Other unintentional injuries                  | 70  | 18.6 (11.2, 28.4)    | 0.0004168 (0.0002520, 0.0006375) | 0.00862 (0.00592, 0.01188) | 8.0 (5.1, 11.7)      | 0.0001603 (0.0001019, 0.0002353) | 0.00436 (0.00283, 0.00622) |
| Sumatera Selatan | Diarrheal diseases                            | 75  | 57.2 (38.4, 80.4)    | 0.0025423 (0.0017064, 0.0035760) | 0.03776 (0.03066, 0.04541) | 85.0 (65.2, 103.9)   | 0.0030939 (0.0023742, 0.0037833) | 0.05248 (0.04380, 0.06065) |
| Sumatera Selatan | HIV/AIDS                                      | 75  | 0.2 (0.1, 0.5)       | 0.0000085 (0.0000023, 0.0000212) | 0.00013 (0.00003, 0.00032) | 0.2 (0.1, 0.5)       | 0.0000077 (0.0000023, 0.0000187) | 0.00013 (0.00004, 0.00030) |
| Sumatera Selatan | Lower respiratory infections                  | 75  | 26.3 (16.3, 39.6)    | 0.0011675 (0.0007248, 0.0017624) | 0.01737 (0.01258, 0.02305) | 32.7 (23.0, 44.6)    | 0.0011905 (0.0008833, 0.0016231) | 0.0202 (0.01520, 0.02658)  |
| Sumatera Selatan | Malaria                                       | 75  | 3.2 (1.2, 6.4)       | 0.0001411 (0.0000551, 0.0002863) | 0.0021 (0.00084, 0.00428)  | 2.1 (0.8, 4.3)       | 0.0000752 (0.0000293, 0.0001581) | 0.00128 (0.00051, 0.00260) |
| Sumatera Selatan | Tuberculosis                                  | 75  | 108.6 (74.2, 148.9)  | 0.0048285 (0.0033016, 0.0066236) | 0.07181 (0.06062, 0.08310) | 78.6 (59.9, 99.1)    | 0.0028623 (0.0021810, 0.0036110) | 0.04855 (0.03985, 0.05774) |
| Sumatera Selatan | Other communicable diseases                   | 75  | 17.3 (10.6, 26.6)    | 0.0007683 (0.0004702, 0.0011826) | 0.01143 (0.00806, 0.01546) | 20.6 (13.9, 29.4)    | 0.000751 (0.0005078, 0.0010722)  | 0.01274 (0.00898, 0.01739) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 75  | 9.8 (5.0, 17.6)      | 0.0004351 (0.0002222, 0.0007835) | 0.00646 (0.00376, 0.01048) | 2.8 (1.6, 4.9)       | 0.0001025 (0.0000567, 0.0001770) | 0.00174 (0.00098, 0.00296) |
| Sumatera Selatan | Breast cancer                                 | 75  | 0.3 (0.1, 0.8)       | 0.0000143 (0.0000042, 0.0000334) | 0.00021 (0.00007, 0.00049) | 10.9 (6.7, 15.9)     | 0.000396 (0.0002434, 0.0005781)  | 0.00672 (0.00424, 0.00965) |
| Sumatera Selatan | Cervical cancer                               | 75  |                      |                                  |                            | 4.6 (2.3, 7.9)       | 0.0001674 (0.0000829, 0.0002890) | 0.00284 (0.00143, 0.00485) |
| Sumatera Selatan | Other malignant neoplasms                     | 75  | 23.6 (15.8, 33.8)    | 0.0010518 (0.0007022, 0.0015039) | 0.01565 (0.01267, 0.01908) | 31.7 (23.1, 41.3)    | 0.0011534 (0.0008419, 0.0015038) | 0.01957 (0.01540, 0.02485) |
| Sumatera Selatan | Cerebrovascular disease                       | 75  | 310.2 (226.1, 413.3) | 0.0137944 (0.0100536, 0.0183808) | 0.2051 (0.18814, 0.22216)  | 403.0 (315.6, 469.3) | 0.0146758 (0.0114929, 0.0170937) | 0.24903 (0.23207, 0.26749) |
| Sumatera Selatan | Ischemic heart disease                        | 75  | 382.4 (278.0, 502.6) | 0.0170081 (0.0123632, 0.0223502) | 0.25294 (0.23430, 0.27192) | 333.9 (264.7, 387.5) | 0.0121619 (0.0096414, 0.0141117) | 0.20639 (0.18953, 0.22412) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 75  | 141.9 (98.1, 194.1)  | 0.006311 (0.0043641, 0.0086341)  | 0.09385 (0.08158, 0.10814) | 179.2 (137.0, 214.9) | 0.0065265 (0.0049901, 0.0078271) | 0.11073 (0.09637, 0.12506) |
| Sumatera Selatan | Diabetes mellitus                             | 75  | 57.5 (39.5, 79.7)    | 0.0025591 (0.0017577, 0.0035453) | 0.03802 (0.03164, 0.04512) | 93.4 (70.7, 114.4)   | 0.0034012 (0.0025762, 0.0041660) | 0.0577 (0.04896, 0.06744)  |
| Sumatera Selatan | Chronic kidney disease                        | 75  | 27.6 (17.8, 41.0)    | 0.0012295 (0.0007911, 0.0018214) | 0.01826 (0.01410, 0.02360) | 29.8 (21.5, 37.7)    | 0.001084 (0.0007829, 0.0013730)  | 0.01839 (0.01424, 0.02289) |
| Sumatera Selatan | Cirrhosis                                     | 75  | 28.0 (17.7, 40.0)    | 0.001247 (0.0007854, 0.0017768)  | 0.01856 (0.01404, 0.02380) | 21.6 (15.6, 28.6)    | 0.0007879 (0.0005669, 0.0010408) | 0.01337 (0.01002, 0.01697) |
| Sumatera Selatan | Chronic respiratory diseases                  | 75  | 149.4 (105.5, 199.9) | 0.0066428 (0.0046931, 0.0088915) | 0.09878 (0.08588, 0.11111) | 112.0 (86.9, 134.1)  | 0.0040773 (0.0031663, 0.0048842) | 0.06919 (0.05977, 0.07862) |
| Sumatera Selatan | Other non-communicable diseases               | 75  | 119.4 (85.0, 161.4)  | 0.0053097 (0.0037801, 0.0071769) | 0.07902 (0.06927, 0.09029) | 145.9 (114.6, 174.4) | 0.0053152 (0.0041749, 0.0063499) | 0.09022 (0.07961, 0.10241) |
| Sumatera Selatan | Drowning                                      | 75  | 4.4 (1.8, 8.9)       | 0.0001936 (0.0000810, 0.0003941) | 0.00289 (0.00128, 0.00547) | 3.7 (1.8, 6.9)       | 0.0001333 (0.0000659, 0.0002513) | 0.00226 (0.00112, 0.00415) |
| Sumatera Selatan | Falls                                         | 75  | 10.3 (5.0, 18.1)     | 0.0004596 (0.0002211, 0.0008029) | 0.00684 (0.00390, 0.01066) | 9.0 (5.2, 13.6)      | 0.0003264 (0.0001908, 0.0004948) | 0.00554 (0.00331, 0.00830) |
| Sumatera Selatan | Interpersonal violence                        | 75  | 0.8 (0.2, 1.9)       | 0.0000338 (0.0000106, 0.0000858) | 0.0005 (0.00016, 0.00122)  | 0.5 (0.2, 1.2)       | 0.0000172 (0.0000061, 0.0000422) | 0.00029 (0.00010, 0.00071) |
| Sumatera Selatan | Self-harm                                     | 75  | 3.0 (1.4, 5.4)       | 0.000135 (0.0000633, 0.0002392)  | 0.00201 (0.00107, 0.00331) | 1.4 (0.7, 2.4)       | 0.0000512 (0.0000260, 0.0000888) | 0.00087 (0.00045, 0.00148) |
| Sumatera Selatan | Transport injuries                            | 75  | 18.1 (10.9, 28.2)    | 0.0008046 (0.0004834, 0.0012532) | 0.01195 (0.00831, 0.01643) | 9.2 (5.9, 13.7)      | 0.0003356 (0.0002166, 0.0004983) | 0.0057 (0.00385, 0.00812)  |
| Sumatera Selatan | Other unintentional injuries                  | 75  | 12.7 (7.1, 20.3)     | 0.000563 (0.0003142, 0.0009023)  | 0.00837 (0.00545, 0.01210) | 6.6 (4.1, 9.9)       | 0.000239 (0.0001484, 0.0003621)  | 0.00406 (0.00260, 0.00594) |
| Sumatera Selatan | Diarrheal diseases                            | 80  | 165.0 (125.3, 210.8) | 0.009029 (0.0068608, 0.0115373)  | 0.06711 (0.05719, 0.07700) | 293.9 (241.4, 344.5) | 0.011011 (0.0090462, 0.0129067)  | 0.08241 (0.07144, 0.09328) |
| Sumatera Selatan | HIV/AIDS                                      | 80  |                      |                                  |                            |                      |                                  |                            |



Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                      |                                  |                             | Females                    |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | 80  | 217.0 (166.5, 278.9)       | 0.0118771 (0.0091125, 0.0152658) | 0.0883 (0.07559, 0.10216)   | 361.8 (298.0, 423.7)       | 0.0135567 (0.0111670, 0.0158733) | 0.10147 (0.08698, 0.11636) |
| Sumatera Selatan | Diabetes mellitus                                        | 80  | 72.5 (53.3, 96.2)          | 0.0039689 (0.0029199, 0.0052672) | 0.0295 (0.02369, 0.03592)   | 162.1 (127.8, 197.2)       | 0.006074 (0.0047889, 0.0073882)  | 0.04547 (0.03757, 0.05426) |
| Sumatera Selatan | Chronic kidney disease                                   | 80  | 35.4 (24.5, 50.0)          | 0.0019402 (0.0013410, 0.0027392) | 0.01441 (0.01090, 0.01874)  | 52.8 (38.3, 67.8)          | 0.0019796 (0.0014359, 0.0025416) | 0.01482 (0.01101, 0.01893) |
| Sumatera Selatan | Cirrhosis                                                | 80  | 38.7 (25.9, 53.2)          | 0.0021189 (0.0014175, 0.0029095) | 0.01576 (0.01147, 0.02049)  | 40.2 (28.9, 53.5)          | 0.0015044 (0.0010838, 0.0020055) | 0.01126 (0.00822, 0.01468) |
| Sumatera Selatan | Chronic respiratory diseases                             | 80  | 244.0 (190.0, 308.6)       | 0.0133569 (0.0103999, 0.0168923) | 0.0993 (0.08658, 0.11263)   | 236.6 (193.7, 279.1)       | 0.0088639 (0.0072566, 0.0104560) | 0.06634 (0.05670, 0.07656) |
| Sumatera Selatan | Other non-communicable diseases                          | 80  | 216.5 (168.8, 269.8)       | 0.0118511 (0.0092398, 0.0147655) | 0.08812 (0.07693, 0.10119)  | 353.1 (296.9, 408.5)       | 0.0132303 (0.0111247, 0.0153039) | 0.09906 (0.08709, 0.11282) |
| Sumatera Selatan | Drowning                                                 | 80  | 7.8 (3.4, 16.9)            | 0.0004291 (0.0001869, 0.0009227) | 0.00319 (0.00139, 0.00659)  | 8.1 (3.6, 16.0)            | 0.0003036 (0.0001365, 0.0006001) | 0.00227 (0.00102, 0.00440) |
| Sumatera Selatan | Falls                                                    | 80  | 23.8 (13.0, 37.0)          | 0.0013034 (0.0007126, 0.0020231) | 0.00968 (0.00555, 0.01449)  | 25.7 (15.6, 37.1)          | 0.0009647 (0.0005850, 0.0013912) | 0.00722 (0.00448, 0.01037) |
| Sumatera Selatan | Interpersonal violence                                   | 80  | 0.9 (0.2, 2.7)             | 0.0000505 (0.0000096, 0.0001474) | 0.00037 (0.00007, 0.00109)  | 0.8 (0.2, 2.3)             | 0.0000287 (0.0000065, 0.0000845) | 0.00022 (0.00005, 0.00063) |
| Sumatera Selatan | Self-harm                                                | 80  | 4.4 (2.0, 8.0)             | 0.0002384 (0.0001094, 0.0004404) | 0.00177 (0.00083, 0.00319)  | 2.7 (1.2, 5.1)             | 0.0001018 (0.0000455, 0.0001901) | 0.00076 (0.00034, 0.00144) |
| Sumatera Selatan | Transport injuries                                       | 80  | 26.6 (15.6, 40.8)          | 0.0014556 (0.0008532, 0.0022342) | 0.01081 (0.00674, 0.01619)  | 17.2 (10.4, 27.2)          | 0.0006459 (0.0003901, 0.0010191) | 0.00484 (0.00295, 0.00759) |
| Sumatera Selatan | Other unintentional injuries                             | 80  | 19.6 (10.3, 31.0)          | 0.0010721 (0.0005629, 0.0016975) | 0.00797 (0.00455, 0.01211)  | 13.2 (7.4, 20.8)           | 0.000493 (0.0002757, 0.0007792)  | 0.00369 (0.00207, 0.00589) |
| Sumatera Selatan | Diarrheal diseases                                       | All | 1,068.0 (784.4, 1,419.1)   | 0.0002611 (0.0001917, 0.0003469) | 0.04571 (0.03620, 0.05782)  | 1,293.4 (972.7, 1,668.3)   | 0.0003289 (0.0002473, 0.0004242) | 0.06857 (0.05497, 0.08440) |
| Sumatera Selatan | HIV/AIDS                                                 | All | 50.5 (20.2, 99.1)          | 0.0000123 (0.0000049, 0.0000242) | 0.00217 (0.00088, 0.00432)  | 30.4 (12.4, 62.9)          | 0.0000077 (0.0000032, 0.0000160) | 0.00161 (0.00067, 0.00334) |
| Sumatera Selatan | Lower respiratory infections                             | All | 837.0 (587.8, 1,137.3)     | 0.0002046 (0.0001437, 0.0002780) | 0.03585 (0.02683, 0.04754)  | 669.7 (486.8, 913.9)       | 0.0001703 (0.0001238, 0.0002324) | 0.03548 (0.02731, 0.04512) |
| Sumatera Selatan | Malaria                                                  | All | 75.5 (34.1, 141.2)         | 0.0000185 (0.0000083, 0.0000345) | 0.00323 (0.000149, 0.00611) | 44.1 (19.3, 83.6)          | 0.0000112 (0.0000049, 0.0000213) | 0.00234 (0.00107, 0.00433) |
| Sumatera Selatan | Tuberculosis                                             | All | 1,692.9 (1,318.4, 2,202.6) | 0.0004138 (0.0003223, 0.0005384) | 0.07238 (0.06277, 0.08316)  | 941.2 (739.0, 1,164.0)     | 0.0002393 (0.0001879, 0.0002960) | 0.04992 (0.04240, 0.05807) |
| Sumatera Selatan | Maternal disorders                                       | All |                            |                                  |                             | 105.2 (76.2, 137.6)        | 0.0000267 (0.0000194, 0.0000350) | 0.00558 (0.00431, 0.00696) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | All | 530.5 (271.1, 853.0)       | 0.0001297 (0.0000663, 0.0002085) | 0.02267 (0.01168, 0.03570)  | 323.9 (168.1, 540.2)       | 0.0000824 (0.0000427, 0.0001374) | 0.01708 (0.00902, 0.02740) |
| Sumatera Selatan | Preterm birth complications                              | All | 486.7 (239.6, 776.2)       | 0.000119 (0.0000586, 0.0001897)  | 0.02083 (0.01038, 0.03368)  | 410.9 (213.2, 683.5)       | 0.0001045 (0.0000542, 0.0001738) | 0.02168 (0.01159, 0.03555) |
| Sumatera Selatan | Other neonatal disorders                                 | All | 209.8 (82.3, 391.0)        | 0.0000513 (0.0000201, 0.0000956) | 0.00896 (0.00367, 0.01694)  | 127.1 (48.3, 250.4)        | 0.0000323 (0.0000123, 0.0000637) | 0.00671 (0.00265, 0.01320) |
| Sumatera Selatan | Other communicable diseases                              | All | 1,199.4 (894.2, 1,547.7)   | 0.0002932 (0.0002186, 0.0003783) | 0.05145 (0.04062, 0.06278)  | 889.7 (658.5, 1,178.5)     | 0.0002262 (0.0001674, 0.0002997) | 0.04719 (0.03648, 0.05925) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer                      | All | 167.2 (98.4, 270.5)        | 0.0000409 (0.0000240, 0.0000661) | 0.00713 (0.00445, 0.01086)  | 47.9 (28.0, 77.9)          | 0.0000122 (0.0000071, 0.0000198) | 0.00254 (0.00155, 0.00410) |
| Sumatera Selatan | Breast cancer                                            | All | 8.2 (4.0, 15.2)            | 0.000002 (0.0000010, 0.0000037)  | 0.00035 (0.00018, 0.000063) | 388.2 (279.6, 523.4)       | 0.0000987 (0.0000711, 0.0001331) | 0.02059 (0.01555, 0.02681) |
| Sumatera Selatan | Cervical cancer                                          | All |                            |                                  |                             | 194.8 (117.7, 289.8)       | 0.0000495 (0.0000299, 0.0000737) | 0.01033 (0.00646, 0.01519) |
| Sumatera Selatan | Other malignant neoplasms                                | All | 736.6 (570.2, 953.6)       | 0.0001801 (0.0001394, 0.0002331) | 0.03153 (0.02637, 0.03696)  | 534.3 (406.8, 674.7)       | 0.0001359 (0.0001034, 0.0001716) | 0.02836 (0.02284, 0.03452) |
| Sumatera Selatan | Cerebrovascular disease                                  | All | 3,090.7 (2,418.3, 3,926.8) | 0.0007555 (0.0005911, 0.0009599) | 0.13194 (0.11454, 0.14842)  | 3,222.0 (2,617.5, 3,782.2) | 0.0008193 (0.0006656, 0.0009618) | 0.17106 (0.15289, 0.18908) |
| Sumatera Selatan | Ischemic heart disease                                   | All | 4,184.0 (3,263.7, 5,334.2) | 0.0010227 (0.0007978, 0.0013039) | 0.17868 (0.15783, 0.19870)  | 2,776.7 (2,267.3, 3,273.2) | 0.0007061 (0.0005765, 0.0008323) | 0.14741 (0.13163, 0.16418) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | All | 1,345.9 (1,037.1, 1,729.6) | 0.000329 (0.0002535, 0.0004228)  | 0.05749 (0.04860, 0.06726)  | 1,416.3 (1,128.7, 1,713.4) | 0.0003601 (0.0002870, 0.0004357) | 0.07518 (0.06421, 0.08647) |
| Sumatera Selatan | Diabetes mellitus                                        | All | 963.4 (719.3, 1,256.4)     | 0.0002355 (0.0001758, 0.0003071) | 0.04113 (0.03443, 0.04866)  | 1,130.3 (890.3, 1,386.8)   | 0.0002874 (0.0002264, 0.0003527) | 0.05996 (0.05059, 0.06965) |
| Sumatera Selatan | Chronic kidney disease                                   | All | 480.5 (346.3, 651.2)       | 0.0001175 (0.0000846, 0.0001592) | 0.02053 (0.01627, 0.02554)  | 396.4 (295.0, 505.2)       | 0.0001008 (0.0000750, 0.0001285) | 0.02103 (0.01657, 0.02576) |
| Sumatera Selatan | Cirrhosis                                                | All | 648.6 (463.7, 869.0)       | 0.0001585 (0.0001133, 0.0002124) | 0.02774 (0.02139, 0.03489)  | 321.3 (237.5, 422.9)       | 0.0000817 (0.0000604, 0.0001075) | 0.01705 (0.01294, 0.02141) |
| Sumatera Selatan | Chronic respiratory diseases                             | All | 1,268.7 (961.1, 1,632.0)   | 0.0003101 (0.0002349, 0.0003989) | 0.05417 (0.04558, 0.06334)  | 822.1 (649.6, 995.7)       | 0.0002091 (0.0001652, 0.0002532) | 0.04364 (0.03709, 0.05111) |
| Sumatera Selatan | Other non-communicable diseases                          | All | 1,945.7 (1,525.8, 2,413.6) | 0.0004756 (0.0003730, 0.0005900) | 0.08325 (0.07331, 0.09321)  | 1,910.4 (1,561.4, 2,278.7) | 0.0004858 (0.0003970, 0.0005794) | 0.10134 (0.09030, 0.11315) |
| Sumatera Selatan | Drowning                                                 | All | 324.6 (234.3, 450.9)       | 0.0000793 (0.0000573, 0.0001102) | 0.01395 (0.00994, 0.01899)  | 112.4 (73.8, 160.8)        | 0.0000286 (0.0000188, 0.0000409) | 0.00598 (0.00390, 0.00849) |
| Sumatera Selatan | Falls                                                    | All | 159.7 (91.8, 250.3)        | 0.000039 (0.0000225, 0.0000612)  | 0.00684 (0.00407, 0.01012)  | 92.9 (55.5, 136.2)         | 0.0000236 (0.0000141, 0.0000346) | 0.00494 (0.00304, 0.00716) |
| Sumatera Selatan | Interpersonal violence                                   | All | 69.9 (47.7, 98.9)          | 0.0000171 (0.0000117, 0.0000242) | 0.00299 (0.00214, 0.00405)  | 38.3 (24.3, 58.0)          | 0.0000097 (0.0000062, 0.0000148) | 0.00203 (0.00131, 0.00299) |
| Sumatera Selatan | Self-harm                                                | All | 93.5 (61.0, 136.0)         | 0.0000229 (0.0000149, 0.0000332) | 0.004 (0.00279, 0.00552)    | 40.0 (26.4, 59.2)          | 0.0000102 (0.0000067, 0.0000151) | 0.00213 (0.00143, 0.00308) |
| Sumatera Selatan | Transport injuries                                       | All | 1,248.7 (974.3, 1,604.1)   | 0.0003079 (0.0002382, 0.0003921) | 0.05346 (0.04504, 0.06246)  | 387.0 (298.6, 483.8)       | 0.0000984 (0.0000759, 0.0001230) | 0.02055 (0.01660, 0.02508) |
| Sumatera Selatan | Other unintentional injuries                             | All | 503.8 (364.8, 689.8)       | 0.0001232 (0.0000892, 0.0001686) | 0.02157 (0.01647, 0.02718)  | 183.3 (127.6, 246.4)       | 0.0000466 (0.0000325, 0.0000627) | 0.00973 (0.00709, 0.01239) |
| Bengkulu         | Diarrheal diseases                                       | NN  | 6.1 (2.2, 12.2)            | 0.0039628 (0.0014322, 0.0079004) | 0.01706 (0.00916, 0.02945)  | 4.4 (1.7, 9.5)             | 0.0030119 (0.0011424, 0.0065197) | 0.01838 (0.00975, 0.03104) |
| Bengkulu         | Lower respiratory infections                             | NN  | 35.5 (16.1, 63.1)          | 0.0228977 (0.0103766, 0.0407217) | 0.09887 (0.06896, 0.13635)  | 19.4 (8.9, 36.8)           | 0.013237 (0.0061029, 0.0251898)  | 0.08112 (0.05570, 0.11292) |
| Bengkulu         | Malaria                                                  | NN  | 0.8 (0.1, 3.2)             | 0.0005174 (0.0000767, 0.0020608) | 0.0022 (0.00040, 0.00719)   | 0.4 (0.1, 1.4)             | 0.0002873 (0.0000472, 0.0009569) | 0.00179 (0.00031, 0.00588) |
| Bengkulu         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 102.0 (49.7, 168.3)        | 0.0658172 (0.0320454, 0.1085791) | 0.28433 (0.21273, 0.35972)  | 61.8 (29.3, 108.7)         | 0.0422518 (0.0200037, 0.0743391) | 0.25862 (0.18640, 0.33435) |
| Bengkulu         | Preterm birth complications                              | NN  | 95.3 (42.1, 161.8)         | 0.0615206 (0.0271614, 0.1043749) | 0.26425 (0.18004, 0.34628)  | 75.2 (35.7, 130.0)         | 0.0514381 (0.0244134, 0.0888761) | 0.31533 (0.22719, 0.39992) |
| Bengkulu         | Other neonatal disorders                                 | NN  | 39.1 (12.9, 82.9)          | 0.0252364 (0.0083254, 0.0534636) | 0.10891 (0.04650, 0.18970)  | 22.5 (6.7, 50.0)           | 0.0154011 (0.0045729, 0.0341624) | 0.09406 (0.03708, 0.16857) |
| Bengkulu         | Other communicable diseases                              | NN  | 5.3 (1.9, 11.1)            | 0.0034079 (0.0012416, 0.0071691) | 0.01463 (0.00730, 0.02550)  | 2.6 (0.9, 5.8)             | 0.0017968 (0.0006320, 0.0039857) | 0.01096 (0.00522, 0.01966) |
| Bengkulu         | Other malignant neoplasms                                | NN  | 2.6 (0.9, 5.6)             | 0.0016685 (0.0005664, 0.0035978) | 0.0072 (0.00331, 0.01263)   | 1.9 (0.7, 4.3)             | 0.0012997 (0.0004575, 0.0029398) | 0.00798 (0.00376, 0.01430) |
| Bengkulu         | Cerebrovascular disease                                  | NN  | 1.2 (0.3, 3.2)             | 0.0007734 (0.0001951, 0.0020508) | 0.00334 (0.00102, 0.00794)  | 1.1 (0.3, 2.8)             | 0.0007637 (0.0001726, 0.0019183) | 0.00465 (0.00142, 0.01041) |
| Bengkulu         | Other cardiovascular and circulatory diseases            | NN  | 0.8 (0.1, 2.3)             | 0.000512 (0.0000916, 0.0015039)  | 0.0022 (0.00054, 0.00546)   | 0.7 (0.1, 2.2)             | 0.0004918 (0.0000986, 0.0014754) | 0.00301 (0.00076, 0.00770) |
| Bengkulu         | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.6)             | 0.0001228 (0.0000005, 0.0010115) | 0.00054 (0.00000, 0.00424)  | 0.3 (0.0, 2.2)             | 0.0001818 (0.0000010, 0.0015086) | 0.00109 (0.00001, 0.00830) |
| Bengkulu         | Other non-communicable diseases                          | NN  | 53.4 (26.5, 87.3)          | 0.0344513 (0.0171130, 0.0563267) | 0.14856 (0.11951, 0.17880)  | 43.9 (22.7, 75.2)          | 0.0300188 (0.0155100, 0.0514294) | 0.1838 (0.15074, 0.22030)  |
| Bengkulu         | Drowning                                                 | NN  | 3.9 (1.2, 9.2)             | 0.0025292 (0.0008037, 0.0059058) | 0.01086 (0.00466, 0.02228)  | 0.8 (0.2, 2.3)             | 0.0005464 (0.0001487, 0.0015502) | 0.00329 (0.00128, 0.00722) |
| Bengkulu         | Falls                                                    | NN  | 1.4 (0.4, 3.3)             | 0.0008934 (0.0002498, 0.0021483) | 0.00388 (0.00144, 0.00822)  | 0.4 (0.1, 1.0)             | 0.0002706 (0.0000704, 0.0006902) | 0.00165 (0.00056, 0.00378) |
| Bengkulu         | Interpersonal violence                                   | NN  | 1.0 (0.3, 2.5)             | 0.0006401 (0.0001764, 0.0016237) | 0.00275 (0.00100, 0.00609)  | 0.5 (0.1, 1.4)             | 0.0003493 (0.0000854, 0.0009268) | 0.00213 (0.00070, 0.00476) |
| Bengkulu         | Transport injuries                                       | NN  | 3.0 (0.8, 7.5)             | 0.0019239 (0.0005269, 0.0048463) | 0.00828 (0.00304, 0.01744)  | 0.6 (0.2, 1.7)             | 0.0004342 (0.0001122, 0.0011749) | 0.00264 (0.00092, 0.00610) |
| Bengkulu         | Other unintentional injuries                             | NN  | 7.9 (2.9, 16.7)            | 0.005118 (0.0018992, 0.0107806)  | 0.02215 (0.01149, 0.03818)  | 2.3 (0.8, 5.0)             | 0.0015583 (0.0005631, 0.0034243) | 0.0095 (0.00490, 0.01665)  |
| Bengkulu         | Diarrheal diseases                                       | PNN | 51.8 (24.3, 90.5)          | 0.0026787 (0.0012572, 0.0046773) | 0.26901 (0.19202, 0.35960)  | 66.5 (31.4, 115.5)         | 0.0036406 (0.0017171, 0.0063258) | 0.32153 (0.23910, 0.41105) |
| Bengkulu         | HIV/AIDS                                                 | PNN | 0.9 (0.2, 2.9)             | 0.0000477 (0.0000088, 0.0001483) | 0.00479 (0.00108, 0.01330)  | 0.9 (0.2, 2.8)             | 0.0000479 (0.0000083, 0.0001516) | 0.00424 (0.00092, 0.01298) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|----------------------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Lower respiratory infections                             | PNN | 26.9 (12.8, 47.0) | 0.0013885 (0.0006638, 0.0024295) | 0.13986 (0.09995, 0.18487) | 24.7 (11.4, 44.3) | 0.0013505 (0.0006241, 0.0024258) | 0.11953 (0.08154, 0.16372) |
| Bengkulu | Malaria                                                  | PNN | 6.5 (1.1, 21.8)   | 0.0003345 (0.0000566, 0.0011245) | 0.03338 (0.00707, 0.09913) | 6.2 (1.1, 20.3)   | 0.0003397 (0.0000613, 0.0011143) | 0.03015 (0.00630, 0.08738) |
| Bengkulu | Tuberculosis                                             | PNN | 3.7 (1.2, 8.5)    | 0.0001934 (0.0000642, 0.0004396) | 0.01945 (0.00853, 0.03773) | 3.8 (1.2, 9.2)    | 0.0002091 (0.0000658, 0.0005023) | 0.01841 (0.00764, 0.03732) |
| Bengkulu | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 2.4 (0.6, 6.3)    | 0.0001246 (0.0000330, 0.0003276) | 0.01255 (0.00412, 0.02815) | 2.3 (0.6, 6.3)    | 0.0001286 (0.0000328, 0.0003444) | 0.01136 (0.00368, 0.02637) |
| Bengkulu | Preterm birth complications                              | PNN | 5.9 (2.0, 13.7)   | 0.000307 (0.0001027, 0.0007104)  | 0.03059 (0.01344, 0.05962) | 8.6 (2.8, 20.4)   | 0.0004726 (0.0001552, 0.0011170) | 0.04151 (0.01802, 0.08348) |
| Bengkulu | Other neonatal disorders                                 | PNN | 3.4 (0.7, 9.5)    | 0.0001732 (0.0000355, 0.0004891) | 0.01735 (0.00424, 0.04236) | 3.2 (0.7, 10.0)   | 0.0001767 (0.0000373, 0.0005468) | 0.01548 (0.00379, 0.03998) |
| Bengkulu | Other communicable diseases                              | PNN | 49.3 (22.9, 88.6) | 0.0025475 (0.0011829, 0.0045825) | 0.25664 (0.16384, 0.34208) | 44.1 (19.6, 81.6) | 0.0024154 (0.0010739, 0.0044701) | 0.21375 (0.12720, 0.29641) |
| Bengkulu | Other malignant neoplasms                                | PNN | 1.3 (0.4, 2.8)    | 0.0000668 (0.0000231, 0.0001465) | 0.00668 (0.00305, 0.01186) | 1.6 (0.6, 3.3)    | 0.0000851 (0.0000310, 0.0001804) | 0.0075 (0.00354, 0.01359)  |
| Bengkulu | Cerebrovascular disease                                  | PNN | 0.6 (0.2, 1.5)    | 0.000031 (0.0000080, 0.0000779)  | 0.00311 (0.00094, 0.00744) | 0.9 (0.2, 2.5)    | 0.00005 (0.0000120, 0.0001372)   | 0.00438 (0.00133, 0.00991) |
| Bengkulu | Ischemic heart disease                                   | PNN | 0.2 (0.0, 0.8)    | 0.0000101 (0.0000007, 0.0000422) | 0.00103 (0.00008, 0.00427) | 0.3 (0.0, 1.4)    | 0.0000165 (0.0000010, 0.0000751) | 0.00147 (0.00011, 0.00633) |
| Bengkulu | Other cardiovascular and circulatory diseases            | PNN | 0.4 (0.1, 1.1)    | 0.0000204 (0.0000040, 0.0000589) | 0.00203 (0.00051, 0.00504) | 0.6 (0.1, 1.7)    | 0.0000321 (0.0000069, 0.0000907) | 0.00282 (0.00071, 0.00722) |
| Bengkulu | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.8)    | 0.0000051 (0.0000000, 0.0000422) | 0.0005 (0.00000, 0.00391)  | 0.2 (0.0, 1.8)    | 0.0000117 (0.0000001, 0.0000977) | 0.00103 (0.00001, 0.00780) |
| Bengkulu | Chronic kidney disease                                   | PNN | 2.4 (0.9, 5.4)    | 0.000122 (0.0000449, 0.0002810)  | 0.01227 (0.00569, 0.02422) | 2.8 (1.0, 6.3)    | 0.0001532 (0.0000557, 0.0003476) | 0.0135 (0.00638, 0.02598)  |
| Bengkulu | Other non-communicable diseases                          | PNN | 26.4 (12.8, 44.3) | 0.0013633 (0.0006609, 0.0022910) | 0.13709 (0.10920, 0.16696) | 35.5 (17.9, 59.8) | 0.0019452 (0.0009809, 0.0032771) | 0.17166 (0.13968, 0.20780) |
| Bengkulu | Drowning                                                 | PNN | 2.4 (0.8, 5.4)    | 0.0001249 (0.0000421, 0.0002788) | 0.01258 (0.00569, 0.02475) | 0.8 (0.3, 2.0)    | 0.0000438 (0.0000138, 0.0001774) | 0.00386 (0.00157, 0.00817) |
| Bengkulu | Falls                                                    | PNN | 0.8 (0.2, 2.0)    | 0.000043 (0.0000123, 0.0001048)  | 0.00432 (0.00163, 0.00889) | 0.4 (0.1, 1.0)    | 0.0000212 (0.0000054, 0.0000540) | 0.00186 (0.00064, 0.00407) |
| Bengkulu | Interpersonal violence                                   | PNN | 0.6 (0.2, 1.4)    | 0.0000299 (0.0000087, 0.0000744) | 0.003 (0.00113, 0.00654)   | 0.5 (0.1, 1.2)    | 0.0000267 (0.0000073, 0.0000670) | 0.00235 (0.00079, 0.00520) |
| Bengkulu | Transport injuries                                       | PNN | 1.8 (0.5, 4.5)    | 0.0000943 (0.0000282, 0.0002321) | 0.00947 (0.00360, 0.02011) | 0.6 (0.2, 1.6)    | 0.0000349 (0.0000095, 0.0000850) | 0.00306 (0.00108, 0.00685) |
| Bengkulu | Other unintentional injuries                             | PNN | 4.7 (1.8, 9.6)    | 0.0002417 (0.0000949, 0.0004956) | 0.02428 (0.01315, 0.04119) | 2.2 (0.8, 4.8)    | 0.0001196 (0.0000450, 0.0002628) | 0.01054 (0.00568, 0.01829) |
| Bengkulu | Diarrheal diseases                                       | 1   | 15.5 (6.1, 33.2)  | 0.000195 (0.0000769, 0.0004186)  | 0.15307 (0.09797, 0.22037) | 15.6 (6.8, 31.2)  | 0.0002023 (0.0000883, 0.0004054) | 0.20108 (0.13785, 0.27848) |
| Bengkulu | HIV/AIDS                                                 | 1   | 0.6 (0.1, 1.9)    | 0.0000074 (0.0000014, 0.0000240) | 0.00578 (0.00125, 0.01583) | 0.4 (0.1, 1.6)    | 0.0000058 (0.0000010, 0.0000207) | 0.00575 (0.00126, 0.01634) |
| Bengkulu | Lower respiratory infections                             | 1   | 16.9 (6.6, 34.8)  | 0.0002122 (0.0000833, 0.0004376) | 0.16615 (0.11419, 0.21978) | 12.4 (5.3, 24.3)  | 0.0001607 (0.0000684, 0.0003162) | 0.1595 (0.10783, 0.21228)  |
| Bengkulu | Malaria                                                  | 1   | 1.6 (0.2, 5.5)    | 0.0000196 (0.0000031, 0.0000687) | 0.01554 (0.00304, 0.04653) | 1.2 (0.2, 4.1)    | 0.0000154 (0.0000025, 0.0000538) | 0.01548 (0.00320, 0.04474) |
| Bengkulu | Tuberculosis                                             | 1   | 2.5 (0.7, 6.0)    | 0.0000318 (0.0000089, 0.0000762) | 0.02478 (0.01160, 0.04741) | 2.1 (0.6, 5.0)    | 0.0000268 (0.0000080, 0.0000650) | 0.0264 (0.01121, 0.05173)  |
| Bengkulu | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.8 (0.2, 2.3)    | 0.00001 (0.0000023, 0.0000285)   | 0.00785 (0.00251, 0.01750) | 0.6 (0.1, 1.6)    | 0.0000075 (0.0000018, 0.0000212) | 0.00741 (0.00231, 0.01711) |
| Bengkulu | Preterm birth complications                              | 1   | 0.4 (0.1, 1.4)    | 0.0000049 (0.0000007, 0.0000177) | 0.00372 (0.00082, 0.01219) | 0.4 (0.1, 1.5)    | 0.0000054 (0.0000008, 0.0000193) | 0.00529 (0.00116, 0.01696) |
| Bengkulu | Other neonatal disorders                                 | 1   | 0.2 (0.0, 1.1)    | 0.0000021 (0.0000000, 0.0000137) | 0.00163 (0.00001, 0.00968) | 0.1 (0.0, 0.8)    | 0.0000015 (0.0000000, 0.0000104) | 0.00147 (0.00001, 0.00963) |
| Bengkulu | Other communicable diseases                              | 1   | 32.0 (12.6, 66.6) | 0.0004025 (0.0001588, 0.0008383) | 0.31511 (0.23113, 0.38569) | 23.0 (9.2, 44.1)  | 0.0002982 (0.0001197, 0.0005731) | 0.2952 (0.20804, 0.37287)  |
| Bengkulu | Other malignant neoplasms                                | 1   | 0.6 (0.2, 1.4)    | 0.0000071 (0.0000022, 0.0000174) | 0.00556 (0.00249, 0.01015) | 0.6 (0.2, 1.4)    | 0.0000074 (0.0000025, 0.0000177) | 0.00737 (0.00338, 0.01310) |
| Bengkulu | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.8)    | 0.0000036 (0.0000008, 0.0000101) | 0.00282 (0.00081, 0.00688) | 0.4 (0.1, 0.9)    | 0.0000047 (0.0000011, 0.0000121) | 0.00468 (0.00138, 0.01080) |
| Bengkulu | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.5)    | 0.0000012 (0.0000001, 0.0000061) | 0.00095 (0.00007, 0.00384) | 0.1 (0.0, 0.6)    | 0.0000016 (0.0000001, 0.0000079) | 0.0016 (0.00012, 0.00730)  |
| Bengkulu | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)    | 0.0000022 (0.0000004, 0.0000071) | 0.00173 (0.00041, 0.00442) | 0.2 (0.0, 0.7)    | 0.0000029 (0.0000006, 0.0000085) | 0.00283 (0.00070, 0.00726) |
| Bengkulu | Diabetes mellitus                                        | 1   | - (0.0, 0.3)      | 0.0000005 (0.0000000, 0.0000037) | 0.00042 (0.00000, 0.00342) | 0.1 (0.0, 0.6)    | 0.000001 (0.0000000, 0.0000076)  | 0.00102 (0.00001, 0.00753) |
| Bengkulu | Chronic kidney disease                                   | 1   | 1.0 (0.3, 2.4)    | 0.0000125 (0.0000038, 0.0000303) | 0.00985 (0.00460, 0.01940) | 1.0 (0.3, 2.4)    | 0.0000129 (0.0000041, 0.0000311) | 0.01279 (0.00606, 0.02535) |
| Bengkulu | Cirrhosis                                                | 1   | 0.9 (0.2, 2.3)    | 0.000011 (0.0000030, 0.0000289)  | 0.00868 (0.00325, 0.01918) | 0.5 (0.1, 1.3)    | 0.0000065 (0.0000018, 0.0000169) | 0.00651 (0.00229, 0.01547) |
| Bengkulu | Chronic respiratory diseases                             | 1   | 2.4 (0.7, 5.8)    | 0.0000298 (0.0000084, 0.0000727) | 0.02343 (0.00936, 0.04430) | 1.1 (0.3, 2.9)    | 0.0000143 (0.0000037, 0.0000374) | 0.01426 (0.00504, 0.03241) |
| Bengkulu | Other non-communicable diseases                          | 1   | 11.6 (4.7, 24.8)  | 0.0001457 (0.0000594, 0.0003120) | 0.11396 (0.08552, 0.14522) | 13.1 (5.7, 25.5)  | 0.0001702 (0.0000735, 0.0003309) | 0.16832 (0.13340, 0.20913) |
| Bengkulu | Drowning                                                 | 1   | 4.4 (1.4, 10.5)   | 0.0000556 (0.0000182, 0.0001324) | 0.0433 (0.02169, 0.07551)  | 1.2 (0.4, 2.9)    | 0.0000158 (0.0000052, 0.0000372) | 0.01566 (0.00676, 0.03055) |
| Bengkulu | Falls                                                    | 1   | 1.0 (0.3, 2.6)    | 0.0000132 (0.0000037, 0.0000323) | 0.01042 (0.00390, 0.02002) | 0.4 (0.1, 1.0)    | 0.0000053 (0.0000014, 0.0000132) | 0.00524 (0.00176, 0.01098) |
| Bengkulu | Interpersonal violence                                   | 1   | 0.6 (0.2, 1.6)    | 0.0000076 (0.0000021, 0.0000204) | 0.00591 (0.00235, 0.01198) | 0.4 (0.1, 1.1)    | 0.0000055 (0.0000014, 0.0000144) | 0.00543 (0.00210, 0.01080) |
| Bengkulu | Transport injuries                                       | 1   | 2.9 (0.8, 7.4)    | 0.0000369 (0.0000104, 0.0000928) | 0.02895 (0.01287, 0.05622) | 0.9 (0.3, 2.1)    | 0.0000111 (0.0000033, 0.0000278) | 0.01103 (0.00466, 0.02341) |
| Bengkulu | Other unintentional injuries                             | 1   | 5.1 (1.8, 11.1)   | 0.000064 (0.0000221, 0.0001399)  | 0.05038 (0.02761, 0.08102) | 2.0 (0.7, 4.6)    | 0.0000258 (0.0000090, 0.0000596) | 0.02568 (0.01257, 0.04416) |
| Bengkulu | Diarrheal diseases                                       | 5   | 7.5 (4.5, 11.8)   | 0.0000782 (0.0000466, 0.0001224) | 0.10385 (0.06321, 0.15625) | 7.3 (4.6, 10.6)   | 0.0000805 (0.0000511, 0.0001172) | 0.14569 (0.09282, 0.21106) |
| Bengkulu | HIV/AIDS                                                 | 5   | 0.2 (0.0, 0.6)    | 0.0000002 (0.0000003, 0.0000061) | 0.0027 (0.00042, 0.00813)  | 0.1 (0.0, 0.4)    | 0.0000016 (0.0000002, 0.0000046) | 0.00282 (0.00043, 0.00847) |
| Bengkulu | Lower respiratory infections                             | 5   | 5.3 (3.1, 7.9)    | 0.0000553 (0.0000321, 0.0000820) | 0.07343 (0.04377, 0.10871) | 3.8 (2.1, 5.7)    | 0.0000416 (0.0000237, 0.0000632) | 0.07518 (0.04379, 0.11238) |
| Bengkulu | Malaria                                                  | 5   | 0.8 (0.2, 2.3)    | 0.0000079 (0.0000016, 0.0000236) | 0.01048 (0.00211, 0.03265) | 0.6 (0.1, 1.7)    | 0.0000061 (0.0000013, 0.0000183) | 0.01109 (0.00236, 0.03330) |
| Bengkulu | Tuberculosis                                             | 5   | 1.1 (0.5, 2.2)    | 0.0000118 (0.0000052, 0.0000224) | 0.01567 (0.00704, 0.02880) | 0.9 (0.4, 1.7)    | 0.0000098 (0.0000043, 0.0000186) | 0.01775 (0.00796, 0.03355) |
| Bengkulu | Other communicable diseases                              | 5   | 15.3 (10.7, 20.3) | 0.0001591 (0.0001110, 0.0002109) | 0.21119 (0.14981, 0.26929) | 10.5 (7.1, 14.0)  | 0.0001167 (0.0000781, 0.0001549) | 0.21099 (0.14399, 0.27263) |
| Bengkulu | Other malignant neoplasms                                | 5   | 2.6 (1.4, 4.5)    | 0.0000266 (0.0000142, 0.0000466) | 0.03526 (0.01885, 0.06063) | 2.5 (1.4, 4.2)    | 0.0000275 (0.0000151, 0.0000465) | 0.04972 (0.02789, 0.08245) |
| Bengkulu | Cerebrovascular disease                                  | 5   | 0.9 (0.4, 1.6)    | 0.0000089 (0.0000042, 0.0000166) | 0.01175 (0.00549, 0.02221) | 1.0 (0.5, 1.8)    | 0.0000113 (0.0000056, 0.0000197) | 0.02045 (0.00995, 0.03565) |
| Bengkulu | Ischemic heart disease                                   | 5   | 0.3 (0.1, 0.7)    | 0.0000035 (0.0000013, 0.0000074) | 0.0046 (0.00166, 0.00992)  | 0.4 (0.1, 0.8)    | 0.0000045 (0.0000016, 0.0000088) | 0.00806 (0.00294, 0.01595) |
| Bengkulu | Other cardiovascular and circulatory diseases            | 5   | 0.6 (0.2, 1.3)    | 0.0000061 (0.0000022, 0.0000136) | 0.0081 (0.00295, 0.01795)  | 0.7 (0.3, 1.4)    | 0.0000076 (0.0000029, 0.0000154) | 0.0137 (0.00540, 0.02851)  |
| Bengkulu | Diabetes mellitus                                        | 5   | 0.4 (0.1, 0.9)    | 0.000004 (0.0000014, 0.0000092)  | 0.00524 (0.00190, 0.01198) | 0.7 (0.3, 1.6)    | 0.0000076 (0.0000028, 0.0000172) | 0.0138 (0.00526, 0.03058)  |
| Bengkulu | Chronic kidney disease                                   | 5   | 1.5 (0.8, 2.9)    | 0.0000161 (0.0000079, 0.0000298) | 0.0213 (0.01022, 0.03844)  | 1.5 (0.7, 2.6)    | 0.0000163 (0.0000083, 0.0000291) | 0.02943 (0.01458, 0.05077) |
| Bengkulu | Cirrhosis                                                | 5   | 1.8 (0.8, 3.2)    | 0.0000182 (0.0000086, 0.0000330) | 0.02419 (0.01169, 0.04372) | 1.0 (0.4, 1.8)    | 0.0000108 (0.0000049, 0.0000202) | 0.01952 (0.00896, 0.03610) |
| Bengkulu | Chronic respiratory diseases                             | 5   | 1.4 (0.6, 2.6)    | 0.0000144 (0.0000061, 0.0000274) | 0.01916 (0.00833, 0.03605) | 0.6 (0.3, 1.2)    | 0.0000067 (0.0000028, 0.0000131) | 0.01217 (0.00515, 0.02409) |
| Bengkulu | Other non-communicable diseases                          | 5   | 7.5 (5.1, 10.2)   | 0.000078 (0.0000532, 0.0001062)  | 0.10355 (0.07125, 0.13853) | 8.1 (5.8, 10.6)   | 0.0000895 (0.0000643, 0.0001178) | 0.1618 (0.11716, 0.20986)  |
| Bengkulu | Drowning                                                 | 5   | 11.9 (7.5, 17.1)  | 0.0001239 (0.0000778, 0.0001777) | 0.1643 (0.10533, 0.22948)  | 4.5 (2.5, 7.3)    | 0.0000497 (0.0000236, 0.0000804) | 0.08979 (0.05020, 0.14346) |
| Bengkulu | Falls                                                    | 5   | 1.5 (0.6, 2.8)    | 0.0000155 (0.0000062, 0.0000292) | 0.02051 (0.00852, 0.03828) | 0.7 (0.3, 1.4)    | 0.0000079 (0.0000033, 0.0000154) | 0.01428 (0.00593, 0.02743) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Interpersonal violence                        | 5   | 0.4 (0.2, 0.7)    | 0.000039 (0.0000016, 0.0000077)  | 0.00518 (0.00217, 0.01003) | 0.3 (0.1, 0.7)    | 0.000036 (0.0000016, 0.0000072)  | 0.00657 (0.00285, 0.01307) |
| Bengkulu | Transport injuries                            | 5   | 7.8 (4.2, 12.6)   | 0.0000812 (0.0000434, 0.0001305) | 0.10789 (0.05783, 0.17423) | 3.0 (1.5, 5.4)    | 0.0000333 (0.0000166, 0.0000601) | 0.06031 (0.03046, 0.11000) |
| Bengkulu | Other unintentional injuries                  | 5   | 3.7 (2.1, 5.9)    | 0.0000389 (0.0000214, 0.0000616) | 0.05166 (0.02833, 0.08296) | 1.8 (0.9, 3.2)    | 0.0000204 (0.0000104, 0.0000352) | 0.03687 (0.01880, 0.06283) |
| Bengkulu | Diarrheal diseases                            | 10  | 4.0 (2.2, 6.8)    | 0.0000419 (0.0000230, 0.0000708) | 0.05337 (0.02984, 0.08928) | 4.2 (2.4, 6.7)    | 0.0000462 (0.0000264, 0.0000737) | 0.07585 (0.04401, 0.11943) |
| Bengkulu | HIV/AIDS                                      | 10  | 0.2 (0.0, 0.6)    | 0.0000021 (0.0000004, 0.0000061) | 0.00269 (0.00051, 0.00795) | 0.2 (0.0, 0.5)    | 0.0000017 (0.0000003, 0.0000051) | 0.00283 (0.00054, 0.00830) |
| Bengkulu | Lower respiratory infections                  | 10  | 3.6 (1.9, 5.9)    | 0.0000375 (0.0000194, 0.0000617) | 0.04771 (0.02474, 0.07868) | 2.7 (1.4, 4.4)    | 0.0000294 (0.0000149, 0.0000481) | 0.04831 (0.02471, 0.08034) |
| Bengkulu | Malaria                                       | 10  | 1.5 (0.4, 3.8)    | 0.0000161 (0.0000043, 0.0000400) | 0.02046 (0.00562, 0.05253) | 1.2 (0.3, 3.0)    | 0.0000131 (0.0000033, 0.0000326) | 0.02155 (0.00539, 0.05457) |
| Bengkulu | Tuberculosis                                  | 10  | 2.7 (1.3, 4.6)    | 0.000028 (0.0000140, 0.0000477)  | 0.03561 (0.01756, 0.05982) | 2.2 (1.1, 3.6)    | 0.0000239 (0.0000121, 0.0000398) | 0.03931 (0.01996, 0.06517) |
| Bengkulu | Maternal disorders                            | 10  |                   |                                  |                            | 0.2 (0.0, 0.5)    | 0.000002 (0.0000003, 0.0000054)  | 0.00326 (0.00056, 0.00890) |
| Bengkulu | Other communicable diseases                   | 10  | 12.3 (8.2, 16.4)  | 0.0001283 (0.0000861, 0.0001716) | 0.16318 (0.10962, 0.21399) | 9.0 (5.8, 12.1)   | 0.0000986 (0.0000635, 0.0001325) | 0.162 (0.10523, 0.21453)   |
| Bengkulu | Other malignant neoplasms                     | 10  | 3.8 (2.2, 6.0)    | 0.0000395 (0.0000228, 0.0000626) | 0.0502 (0.02973, 0.07935)  | 4.0 (2.5, 6.3)    | 0.0000442 (0.0000268, 0.0000691) | 0.07264 (0.04442, 0.11101) |
| Bengkulu | Cerebrovascular disease                       | 10  | 1.4 (0.8, 2.4)    | 0.0000149 (0.0000083, 0.0000253) | 0.01894 (0.01074, 0.03206) | 1.8 (1.0, 2.9)    | 0.0000196 (0.0000115, 0.0000319) | 0.03212 (0.01927, 0.05081) |
| Bengkulu | Ischemic heart disease                        | 10  | 0.8 (0.4, 1.5)    | 0.0000087 (0.0000045, 0.0000155) | 0.0111 (0.00584, 0.01942)  | 1.0 (0.6, 1.8)    | 0.0000113 (0.0000061, 0.0000192) | 0.01848 (0.01022, 0.03104) |
| Bengkulu | Other cardiovascular and circulatory diseases | 10  | 0.9 (0.4, 1.8)    | 0.0000093 (0.0000040, 0.0000185) | 0.01183 (0.00525, 0.02303) | 1.1 (0.5, 2.1)    | 0.0000121 (0.0000053, 0.0000233) | 0.01981 (0.00905, 0.03704) |
| Bengkulu | Diabetes mellitus                             | 10  | 0.6 (0.3, 1.0)    | 0.0000058 (0.0000028, 0.0000107) | 0.00737 (0.00365, 0.01338) | 1.1 (0.5, 1.9)    | 0.0000118 (0.0000056, 0.0000203) | 0.01937 (0.00959, 0.03394) |
| Bengkulu | Chronic kidney disease                        | 10  | 2.2 (1.3, 3.6)    | 0.0000232 (0.0000137, 0.0000375) | 0.02951 (0.01683, 0.04740) | 2.3 (1.3, 3.6)    | 0.0000247 (0.0000139, 0.0000391) | 0.04053 (0.02356, 0.06235) |
| Bengkulu | Cirrhosis                                     | 10  | 2.1 (1.2, 3.5)    | 0.0000219 (0.0000120, 0.0000364) | 0.02788 (0.01552, 0.04681) | 1.3 (0.7, 2.2)    | 0.0000138 (0.0000073, 0.0000238) | 0.02261 (0.01185, 0.03742) |
| Bengkulu | Chronic respiratory diseases                  | 10  | 2.6 (1.4, 4.4)    | 0.0000276 (0.0000145, 0.0000460) | 0.03503 (0.01867, 0.05736) | 1.3 (0.7, 2.3)    | 0.0000141 (0.0000072, 0.0000249) | 0.02315 (0.01180, 0.04084) |
| Bengkulu | Other non-communicable diseases               | 10  | 8.9 (6.4, 11.8)   | 0.0000932 (0.0000663, 0.0001234) | 0.11854 (0.08541, 0.15432) | 10.0 (7.3, 13.1)  | 0.0001099 (0.0000804, 0.0001429) | 0.18052 (0.13327, 0.22760) |
| Bengkulu | Drowning                                      | 10  | 7.2 (4.0, 11.6)   | 0.0000747 (0.0000419, 0.0001214) | 0.09487 (0.05478, 0.15120) | 2.6 (1.3, 4.7)    | 0.0000287 (0.0000141, 0.0000512) | 0.04721 (0.02321, 0.08426) |
| Bengkulu | Falls                                         | 10  | 1.5 (0.6, 3.0)    | 0.0000155 (0.0000066, 0.0000308) | 0.01965 (0.00851, 0.03829) | 0.7 (0.3, 1.5)    | 0.0000078 (0.0000032, 0.0000169) | 0.01285 (0.00542, 0.02711) |
| Bengkulu | Interpersonal violence                        | 10  | 0.6 (0.3, 1.1)    | 0.0000066 (0.0000036, 0.0000116) | 0.00844 (0.00458, 0.01438) | 0.5 (0.3, 0.9)    | 0.000006 (0.0000031, 0.0000103)  | 0.00987 (0.00524, 0.01672) |
| Bengkulu | Self-harm                                     | 10  | 1.3 (0.6, 2.5)    | 0.0000138 (0.0000058, 0.0000263) | 0.01752 (0.00758, 0.03242) | 1.0 (0.4, 1.9)    | 0.0000107 (0.0000046, 0.0000203) | 0.01758 (0.00752, 0.03345) |
| Bengkulu | Transport injuries                            | 10  | 12.9 (8.0, 18.2)  | 0.000135 (0.0000838, 0.0001902)  | 0.17177 (0.10778, 0.24799) | 5.2 (2.9, 8.6)    | 0.0000573 (0.0000321, 0.0000935) | 0.09418 (0.05325, 0.15159) |
| Bengkulu | Other unintentional injuries                  | 10  | 4.1 (2.4, 6.3)    | 0.0000427 (0.0000253, 0.0000657) | 0.05433 (0.03256, 0.08320) | 2.0 (1.0, 3.3)    | 0.0000219 (0.0000113, 0.0000361) | 0.03596 (0.01936, 0.05944) |
| Bengkulu | Diarrheal diseases                            | 15  | 2.8 (1.2, 5.1)    | 0.0000323 (0.0000142, 0.0000591) | 0.02209 (0.01008, 0.04112) | 2.4 (1.1, 4.4)    | 0.0000269 (0.0000122, 0.0000498) | 0.02529 (0.01174, 0.04682) |
| Bengkulu | HIV/AIDS                                      | 15  | 0.2 (0.0, 0.7)    | 0.0000028 (0.0000005, 0.0000083) | 0.00191 (0.00035, 0.00561) | 0.2 (0.0, 0.5)    | 0.0000019 (0.0000003, 0.0000060) | 0.00182 (0.00029, 0.00566) |
| Bengkulu | Lower respiratory infections                  | 15  | 2.2 (1.0, 4.2)    | 0.0000259 (0.0000111, 0.0000485) | 0.01775 (0.00767, 0.03349) | 1.3 (0.5, 2.6)    | 0.0000146 (0.0000056, 0.0000292) | 0.01374 (0.00546, 0.02658) |
| Bengkulu | Malaria                                       | 15  | 4.5 (1.4, 9.8)    | 0.000052 (0.0000163, 0.0001145)  | 0.0355 (0.01094, 0.07738)  | 3.2 (1.0, 6.9)    | 0.0000365 (0.0000109, 0.0000791) | 0.03437 (0.01041, 0.07352) |
| Bengkulu | Tuberculosis                                  | 15  | 6.4 (3.5, 10.1)   | 0.000074 (0.0000404, 0.0001178)  | 0.05053 (0.02901, 0.07774) | 4.5 (2.5, 7.1)    | 0.0000511 (0.0000285, 0.0000806) | 0.04795 (0.02766, 0.07344) |
| Bengkulu | Maternal disorders                            | 15  |                   |                                  |                            | 3.7 (1.9, 6.6)    | 0.0000419 (0.0000221, 0.0000752) | 0.03941 (0.02134, 0.06995) |
| Bengkulu | Other communicable diseases                   | 15  | 10.3 (5.6, 16.1)  | 0.0001196 (0.0000651, 0.0001877) | 0.08179 (0.04580, 0.12197) | 5.8 (2.8, 9.4)    | 0.0000656 (0.0000323, 0.0001069) | 0.06164 (0.03232, 0.09656) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 15  | 1.6 (0.5, 3.7)    | 0.0000181 (0.0000061, 0.0000428) | 0.0124 (0.00419, 0.02789)  | 0.8 (0.2, 1.9)    | 0.0000088 (0.0000025, 0.0000215) | 0.0083 (0.00235, 0.02015)  |
| Bengkulu | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000003 (0.0000000, 0.0000011) | 0.0002 (0.00002, 0.00078)  | 1.0 (0.3, 2.6)    | 0.0000118 (0.0000033, 0.0000296) | 0.01109 (0.00318, 0.02699) |
| Bengkulu | Cervical cancer                               | 15  |                   |                                  |                            | 0.6 (0.1, 1.6)    | 0.0000063 (0.0000009, 0.0000183) | 0.00593 (0.00082, 0.01718) |
| Bengkulu | Other malignant neoplasms                     | 15  | 5.2 (2.9, 8.2)    | 0.0000606 (0.0000339, 0.0000959) | 0.04146 (0.02449, 0.06484) | 7.2 (4.1, 11.4)   | 0.0000823 (0.0000471, 0.0001304) | 0.07737 (0.04577, 0.11862) |
| Bengkulu | Cerebrovascular disease                       | 15  | 3.2 (1.8, 5.3)    | 0.0000372 (0.0000209, 0.0000615) | 0.02542 (0.01502, 0.03931) | 3.7 (2.0, 6.1)    | 0.0000421 (0.0000233, 0.0000691) | 0.0395 (0.02318, 0.06158)  |
| Bengkulu | Ischemic heart disease                        | 15  | 3.4 (1.8, 5.3)    | 0.000039 (0.0000210, 0.0000620)  | 0.02661 (0.01564, 0.04233) | 3.3 (1.9, 5.5)    | 0.000038 (0.0000212, 0.0000624)  | 0.03568 (0.02056, 0.05669) |
| Bengkulu | Other cardiovascular and circulatory diseases | 15  | 1.7 (0.7, 3.2)    | 0.0000196 (0.0000086, 0.0000370) | 0.01338 (0.00604, 0.02486) | 2.3 (0.9, 4.5)    | 0.000026 (0.0000101, 0.0000516)  | 0.02437 (0.01005, 0.04731) |
| Bengkulu | Diabetes mellitus                             | 15  | 1.1 (0.5, 2.0)    | 0.0000126 (0.0000060, 0.0000234) | 0.00863 (0.00425, 0.01506) | 2.3 (1.1, 4.2)    | 0.0000267 (0.0000126, 0.0000478) | 0.02508 (0.01205, 0.04389) |
| Bengkulu | Chronic kidney disease                        | 15  | 4.0 (2.2, 6.6)    | 0.0000469 (0.0000262, 0.0000765) | 0.03202 (0.01903, 0.04992) | 4.7 (2.6, 7.6)    | 0.0000537 (0.0000292, 0.0000863) | 0.0504 (0.02860, 0.07940)  |
| Bengkulu | Cirrhosis                                     | 15  | 3.1 (1.7, 5.5)    | 0.0000359 (0.0000196, 0.0000635) | 0.02452 (0.01394, 0.04033) | 1.9 (1.0, 3.5)    | 0.0000218 (0.0000110, 0.0000394) | 0.02048 (0.01055, 0.03664) |
| Bengkulu | Chronic respiratory diseases                  | 15  | 2.6 (1.3, 4.6)    | 0.0000301 (0.0000150, 0.0000533) | 0.02056 (0.01097, 0.03383) | 1.8 (0.8, 3.2)    | 0.0000202 (0.0000090, 0.0000365) | 0.01902 (0.00872, 0.03359) |
| Bengkulu | Other non-communicable diseases               | 15  | 12.9 (8.8, 17.8)  | 0.00015 (0.0001020, 0.0002071)   | 0.10246 (0.07472, 0.13125) | 14.4 (10.0, 19.3) | 0.000164 (0.0001144, 0.0002201)  | 0.15414 (0.11100, 0.19967) |
| Bengkulu | Drowning                                      | 15  | 4.4 (2.2, 8.1)    | 0.0000509 (0.0000255, 0.0000938) | 0.03484 (0.01768, 0.06330) | 1.2 (0.5, 2.6)    | 0.0000141 (0.0000057, 0.0000295) | 0.01326 (0.00545, 0.02734) |
| Bengkulu | Falls                                         | 15  | 1.6 (0.7, 3.0)    | 0.0000184 (0.0000079, 0.0000344) | 0.01256 (0.00547, 0.02263) | 0.7 (0.3, 1.4)    | 0.0000076 (0.0000029, 0.0000167) | 0.00714 (0.00288, 0.01510) |
| Bengkulu | Interpersonal violence                        | 15  | 1.9 (1.0, 3.0)    | 0.0000216 (0.0000121, 0.0000354) | 0.01474 (0.00890, 0.02347) | 1.8 (0.8, 3.4)    | 0.0000209 (0.0000094, 0.0000390) | 0.01962 (0.00906, 0.03602) |
| Bengkulu | Self-harm                                     | 15  | 3.2 (1.8, 5.4)    | 0.0000377 (0.0000212, 0.0000633) | 0.02581 (0.01489, 0.04091) | 2.9 (1.4, 5.0)    | 0.0000325 (0.0000159, 0.0000571) | 0.03056 (0.01486, 0.05442) |
| Bengkulu | Transport injuries                            | 15  | 42.4 (31.1, 55.1) | 0.0004926 (0.0003614, 0.0006407) | 0.33666 (0.27085, 0.40460) | 18.3 (12.3, 25.8) | 0.000208 (0.0001397, 0.0002934)  | 0.19545 (0.13557, 0.26765) |
| Bengkulu | Other unintentional injuries                  | 15  | 7.3 (4.3, 11.8)   | 0.000085 (0.0000499, 0.0001372)  | 0.05818 (0.03586, 0.08890) | 3.6 (1.8, 6.1)    | 0.0000408 (0.0000206, 0.0000697) | 0.03842 (0.01978, 0.06464) |
| Bengkulu | Diarrheal diseases                            | 20  | 3.3 (1.5, 6.2)    | 0.0000382 (0.0000171, 0.0000716) | 0.01956 (0.00889, 0.03612) | 2.5 (1.1, 4.7)    | 0.0000294 (0.0000130, 0.0000558) | 0.02074 (0.00944, 0.03862) |
| Bengkulu | HIV/AIDS                                      | 20  | 1.1 (0.2, 3.0)    | 0.0000124 (0.0000029, 0.0000346) | 0.00634 (0.00151, 0.01646) | 0.6 (0.1, 1.6)    | 0.0000068 (0.0000015, 0.0000188) | 0.00478 (0.00112, 0.01311) |
| Bengkulu | Lower respiratory infections                  | 20  | 2.9 (1.1, 5.7)    | 0.0000333 (0.0000130, 0.0000660) | 0.01706 (0.00690, 0.03190) | 1.2 (0.5, 2.4)    | 0.0000144 (0.0000055, 0.0000282) | 0.01014 (0.00411, 0.01951) |
| Bengkulu | Malaria                                       | 20  | 6.8 (2.2, 14.5)   | 0.0000785 (0.0000250, 0.0001688) | 0.04006 (0.01335, 0.08137) | 3.9 (1.2, 8.1)    | 0.000046 (0.0000138, 0.0000963)  | 0.03248 (0.01025, 0.06938) |
| Bengkulu | Tuberculosis                                  | 20  | 17.2 (10.4, 27.0) | 0.0001997 (0.0001204, 0.0003138) | 0.10191 (0.06488, 0.14188) | 7.6 (4.6, 11.6)   | 0.0000907 (0.0000545, 0.0001384) | 0.06399 (0.03930, 0.09499) |
| Bengkulu | Maternal disorders                            | 20  |                   |                                  |                            | 9.8 (6.0, 14.5)   | 0.0001173 (0.0000713, 0.0001727) | 0.08285 (0.05432, 0.11965) |
| Bengkulu | Other communicable diseases                   | 20  | 15.7 (8.5, 24.9)  | 0.0001823 (0.0000981, 0.0002889) | 0.09328 (0.05295, 0.13797) | 8.0 (4.1, 12.6)   | 0.000095 (0.0000490, 0.0001502)  | 0.06704 (0.03639, 0.10408) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 20  | 1.5 (0.4, 3.8)    | 0.0000171 (0.0000047, 0.0000443) | 0.00875 (0.00245, 0.02287) | 1.4 (0.4, 3.2)    | 0.0000161 (0.0000048, 0.0000385) | 0.0114 (0.00350, 0.02744)  |
| Bengkulu | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000005 (0.0000001, 0.0000015) | 0.00024 (0.00004, 0.00076) | 3.2 (1.3, 6.7)    | 0.0000384 (0.0000160, 0.0000798) | 0.0271 (0.01138, 0.05309)  |
| Bengkulu | Cervical cancer                               | 20  |                   |                                  |                            | 1.5 (0.2, 4.0)    | 0.0000174 (0.0000030, 0.0000478) | 0.0123 (0.00203, 0.03389)  |
| Bengkulu | Other malignant neoplasms                     | 20  | 5.7 (3.2, 9.4)    | 0.0000666 (0.0000367, 0.0001089) | 0.03406 (0.02031, 0.05418) | 8.5 (4.7, 13.7)   | 0.0001017 (0.0000554, 0.0001629) | 0.07192 (0.04182, 0.11327) |
| Bengkulu | Cerebrovascular disease                       | 20  | 6.8 (4.1, 10.4)   | 0.0000787 (0.0000475, 0.0001203) | 0.04015 (0.02745, 0.05672) | 6.5 (4.0, 9.7)    | 0.0000771 (0.0000482, 0.0001159) | 0.0544 (0.03655, 0.07725)  |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                   |                             | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|-----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                     | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Ischemic heart disease                        | 20  | 6.9 (4.0, 10.9)   | 0.00008 (0.0000465, 0.0001261)    | 0.04082 (0.02600, 0.05948)  | 4.3 (2.5, 6.7)    | 0.0000515 (0.0000303, 0.0000798) | 0.03638 (0.02222, 0.05447) |
| Bengkulu | Other cardiovascular and circulatory diseases | 20  | 2.9 (1.3, 5.4)    | 0.0000338 (0.0000151, 0.0000621)  | 0.01728 (0.00820, 0.03107)  | 3.6 (1.8, 6.4)    | 0.0000425 (0.0000209, 0.0000758) | 0.03002 (0.01545, 0.05254) |
| Bengkulu | Diabetes mellitus                             | 20  | 1.2 (0.6, 2.2)    | 0.0000142 (0.0000072, 0.0000253)  | 0.00726 (0.00383, 0.01218)  | 2.4 (1.3, 4.2)    | 0.0000285 (0.0000150, 0.0000501) | 0.02011 (0.01114, 0.03472) |
| Bengkulu | Chronic kidney disease                        | 20  | 7.2 (4.2, 11.7)   | 0.0000841 (0.0000493, 0.0001354)  | 0.04292 (0.02748, 0.06295)  | 7.4 (4.6, 11.1)   | 0.0000884 (0.0000545, 0.0001320) | 0.06245 (0.04058, 0.09204) |
| Bengkulu | Cirrhosis                                     | 20  | 5.7 (3.2, 9.3)    | 0.0000664 (0.0000366, 0.0001076)  | 0.0339 (0.02011, 0.05245)   | 3.4 (1.8, 5.9)    | 0.0000403 (0.0000216, 0.0000699) | 0.02854 (0.01550, 0.04723) |
| Bengkulu | Chronic respiratory diseases                  | 20  | 6.8 (3.9, 11.2)   | 0.0000785 (0.0000453, 0.0001302)  | 0.04013 (0.02380, 0.06070)  | 4.9 (2.7, 7.8)    | 0.0000587 (0.0000318, 0.0000934) | 0.04149 (0.02392, 0.06395) |
| Bengkulu | Other non-communicable diseases               | 20  | 13.9 (9.0, 20.3)  | 0.0001616 (0.0001046, 0.0002360)  | 0.08262 (0.05939, 0.11037)  | 13.6 (9.4, 19.0)  | 0.0001623 (0.0001125, 0.0002260) | 0.11462 (0.08402, 0.15244) |
| Bengkulu | Drowning                                      | 20  | 3.8 (1.7, 7.7)    | 0.0000439 (0.0000202, 0.0000894)  | 0.02241 (0.01075, 0.04332)  | 1.0 (0.4, 2.2)    | 0.0000123 (0.0000051, 0.0000261) | 0.00869 (0.00364, 0.01788) |
| Bengkulu | Falls                                         | 20  | 1.8 (0.8, 3.4)    | 0.0000213 (0.0000092, 0.0000396)  | 0.01091 (0.00474, 0.01904)  | 0.7 (0.3, 1.4)    | 0.0000085 (0.0000034, 0.0000171) | 0.006 (0.00251, 0.01205)   |
| Bengkulu | Interpersonal violence                        | 20  | 2.6 (1.4, 4.5)    | 0.0000303 (0.0000166, 0.0000519)  | 0.0155 (0.00913, 0.02449)   | 2.0 (1.0, 3.6)    | 0.0000234 (0.0000116, 0.0000423) | 0.01651 (0.00855, 0.02888) |
| Bengkulu | Self-harm                                     | 20  | 3.9 (2.1, 6.6)    | 0.0000453 (0.0000247, 0.0000764)  | 0.02316 (0.01341, 0.03684)  | 2.6 (1.2, 4.5)    | 0.0000305 (0.0000148, 0.0000541) | 0.02154 (0.01026, 0.03840) |
| Bengkulu | Transport injuries                            | 20  | 41.3 (28.5, 58.4) | 0.0004788 (0.0003307, 0.0006772)  | 0.24471 (0.18351, 0.31274)  | 14.5 (8.9, 21.9)  | 0.0001722 (0.0001065, 0.0002610) | 0.12161 (0.07760, 0.17957) |
| Bengkulu | Other unintentional injuries                  | 20  | 9.6 (5.6, 15.6)   | 0.0001112 (0.0000647, 0.0001808)  | 0.057 (0.03520, 0.08791)    | 3.9 (2.0, 6.6)    | 0.0000465 (0.0000241, 0.0000782) | 0.03292 (0.01779, 0.05525) |
| Bengkulu | Diarrheal diseases                            | 25  | 4.9 (2.3, 8.8)    | 0.0000565 (0.0000270, 0.0001022)  | 0.02509 (0.01286, 0.04475)  | 4.3 (2.1, 7.6)    | 0.0000495 (0.0000248, 0.0000885) | 0.02651 (0.01318, 0.04596) |
| Bengkulu | HIV/AIDS                                      | 25  | 2.1 (0.5, 5.5)    | 0.0000245 (0.0000059, 0.0000635)  | 0.01083 (0.00280, 0.02754)  | 1.3 (0.3, 3.5)    | 0.000015 (0.0000037, 0.0000402)  | 0.00805 (0.00202, 0.02029) |
| Bengkulu | Lower respiratory infections                  | 25  | 3.2 (1.3, 6.1)    | 0.0000369 (0.0000148, 0.0000706)  | 0.01641 (0.00674, 0.03151)  | 1.5 (0.6, 3.1)    | 0.0000178 (0.0000068, 0.0000360) | 0.00953 (0.00376, 0.01892) |
| Bengkulu | Malaria                                       | 25  | 7.6 (2.5, 16.9)   | 0.0000882 (0.0000284, 0.0001952)  | 0.03909 (0.01290, 0.08284)  | 4.9 (1.5, 10.9)   | 0.0000567 (0.0000170, 0.0001264) | 0.03043 (0.00938, 0.06639) |
| Bengkulu | Tuberculosis                                  | 25  | 25.2 (16.4, 36.9) | 0.0002912 (0.0001893, 0.0004259)  | 0.12914 (0.08851, 0.17380)  | 12.1 (7.2, 18.8)  | 0.0001407 (0.0000838, 0.0002178) | 0.07537 (0.04736, 0.10659) |
| Bengkulu | Maternal disorders                            | 25  |                   |                                   |                             | 13.5 (8.2, 20.1)  | 0.0001566 (0.0000955, 0.0002331) | 0.08401 (0.05515, 0.11826) |
| Bengkulu | Other communicable diseases                   | 25  | 17.5 (9.2, 27.7)  | 0.0002021 (0.0001064, 0.0003203)  | 0.08979 (0.05112, 0.13332)  | 10.5 (5.5, 16.5)  | 0.0001213 (0.0000638, 0.0001914) | 0.06501 (0.03517, 0.10230) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 25  | 1.9 (0.5, 4.8)    | 0.000022 (0.0000055, 0.0000554)   | 0.00981 (0.00259, 0.02420)  | 2.1 (0.7, 5.1)    | 0.0000248 (0.0000082, 0.0000589) | 0.01328 (0.00450, 0.03216) |
| Bengkulu | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000005 (0.0000001, 0.0000015)  | 0.0002 (0.00004, 0.000062)  | 7.4 (3.5, 13.8)   | 0.0000859 (0.0000401, 0.0001597) | 0.04599 (0.02186, 0.08082) |
| Bengkulu | Cervical cancer                               | 25  |                   |                                   |                             | 2.9 (0.6, 6.9)    | 0.0000338 (0.0000067, 0.0000805) | 0.01817 (0.00365, 0.04449) |
| Bengkulu | Other malignant neoplasms                     | 25  | 7.9 (4.6, 12.6)   | 0.0000098 (0.00000529, 0.0001460) | 0.04031 (0.02504, 0.06361)  | 10.7 (5.7, 17.4)  | 0.0001245 (0.0000665, 0.0002016) | 0.0668 (0.03846, 0.10586)  |
| Bengkulu | Cerebrovascular disease                       | 25  | 12.1 (8.2, 17.6)  | 0.0001398 (0.0000944, 0.0002037)  | 0.06201 (0.04498, 0.08344)  | 12.3 (8.2, 17.5)  | 0.0001427 (0.0000953, 0.0002029) | 0.07647 (0.05570, 0.10206) |
| Bengkulu | Ischemic heart disease                        | 25  | 13.2 (8.3, 19.8)  | 0.0001526 (0.0000957, 0.0002291)  | 0.06765 (0.04592, 0.09248)  | 8.2 (5.1, 12.6)   | 0.0000956 (0.0000589, 0.0001461) | 0.05121 (0.03357, 0.07316) |
| Bengkulu | Other cardiovascular and circulatory diseases | 25  | 3.9 (1.9, 6.8)    | 0.0000447 (0.0000220, 0.0000791)  | 0.01982 (0.01025, 0.03400)  | 5.2 (2.7, 8.9)    | 0.0000601 (0.0000310, 0.0001035) | 0.0322 (0.01731, 0.05487)  |
| Bengkulu | Diabetes mellitus                             | 25  | 2.2 (1.2, 3.7)    | 0.0000248 (0.0000140, 0.0000423)  | 0.01102 (0.00682, 0.01755)  | 4.4 (2.6, 7.3)    | 0.000051 (0.0000303, 0.0000848)  | 0.02737 (0.01685, 0.04299) |
| Bengkulu | Chronic kidney disease                        | 25  | 8.6 (5.3, 13.2)   | 0.000099 (0.0000616, 0.0001526)   | 0.04394 (0.02979, 0.06256)  | 9.2 (5.7, 13.2)   | 0.0001065 (0.0000659, 0.0001536) | 0.05707 (0.03895, 0.08100) |
| Bengkulu | Cirrhosis                                     | 25  | 8.2 (4.9, 13.2)   | 0.0000952 (0.0000562, 0.0001520)  | 0.04222 (0.02636, 0.06201)  | 5.3 (2.9, 8.7)    | 0.0000611 (0.0000341, 0.0001012) | 0.03277 (0.01895, 0.05199) |
| Bengkulu | Chronic respiratory diseases                  | 25  | 8.7 (5.0, 14.2)   | 0.0001008 (0.0000573, 0.0001642)  | 0.04475 (0.02708, 0.06704)  | 7.1 (4.0, 11.5)   | 0.0000823 (0.0000458, 0.0001331) | 0.04413 (0.02499, 0.06672) |
| Bengkulu | Other non-communicable diseases               | 25  | 16.3 (11.2, 23.7) | 0.0001879 (0.0001298, 0.0002739)  | 0.08342 (0.06053, 0.11095)  | 17.2 (11.7, 23.9) | 0.0001997 (0.0001361, 0.0002776) | 0.10702 (0.07711, 0.14047) |
| Bengkulu | Drowning                                      | 25  | 2.5 (1.0, 5.3)    | 0.000029 (0.0000116, 0.0000618)   | 0.01286 (0.00533, 0.02505)  | 0.7 (0.3, 1.6)    | 0.0000086 (0.0000033, 0.0000188) | 0.00461 (0.00189, 0.00987) |
| Bengkulu | Falls                                         | 25  | 2.6 (1.2, 5.0)    | 0.0000305 (0.0000135, 0.0000583)  | 0.01351 (0.00593, 0.02419)  | 1.1 (0.5, 2.2)    | 0.0000126 (0.0000055, 0.0000261) | 0.00678 (0.00292, 0.01317) |
| Bengkulu | Interpersonal violence                        | 25  | 2.7 (1.5, 4.6)    | 0.0000308 (0.0000169, 0.0000535)  | 0.01367 (0.00786, 0.02260)  | 2.0 (0.9, 3.6)    | 0.0000231 (0.0000110, 0.0000423) | 0.01237 (0.00628, 0.02209) |
| Bengkulu | Self-harm                                     | 25  | 3.7 (1.9, 6.3)    | 0.0000426 (0.0000225, 0.0000722)  | 0.01893 (0.01053, 0.03067)  | 2.4 (1.2, 4.1)    | 0.0000275 (0.0000136, 0.0000473) | 0.01476 (0.00749, 0.02521) |
| Bengkulu | Transport injuries                            | 25  | 28.6 (17.9, 43.9) | 0.00033 (0.0002072, 0.0005068)    | 0.14634 (0.09718, 0.20515)  | 9.7 (5.3, 16.3)   | 0.0001122 (0.0000611, 0.0001889) | 0.06011 (0.03495, 0.09549) |
| Bengkulu | Other unintentional injuries                  | 25  | 11.5 (6.8, 18.4)  | 0.0001331 (0.0000781, 0.0002127)  | 0.05918 (0.03530, 0.09194)  | 4.8 (2.5, 8.0)    | 0.0000558 (0.0000287, 0.0000929) | 0.02999 (0.01637, 0.05001) |
| Bengkulu | Diarrheal diseases                            | 30  | 5.4 (2.5, 9.8)    | 0.0000666 (0.0000306, 0.0001197)  | 0.02654 (0.01308, 0.04564)  | 5.2 (2.5, 9.1)    | 0.0000667 (0.0000317, 0.0001165) | 0.0277 (0.01402, 0.04643)  |
| Bengkulu | HIV/AIDS                                      | 30  | 2.1 (0.5, 5.4)    | 0.0000256 (0.0000067, 0.0000664)  | 0.01012 (0.00283, 0.02504)  | 1.4 (0.4, 3.7)    | 0.0000188 (0.0000049, 0.0000467) | 0.00758 (0.00248, 0.01910) |
| Bengkulu | Lower respiratory infections                  | 30  | 2.9 (1.2, 5.8)    | 0.0000354 (0.0000143, 0.0000711)  | 0.01406 (0.00568, 0.02693)  | 1.6 (0.6, 3.4)    | 0.000021 (0.0000078, 0.0000435)  | 0.0087 (0.00350, 0.01728)  |
| Bengkulu | Malaria                                       | 30  | 6.5 (2.0, 14.5)   | 0.0000795 (0.0000248, 0.0001773)  | 0.03153 (0.01041, 0.06657)  | 4.2 (1.3, 9.5)    | 0.0000531 (0.0000163, 0.0001208) | 0.02204 (0.00720, 0.05063) |
| Bengkulu | Tuberculosis                                  | 30  | 24.3 (15.4, 36.2) | 0.0002976 (0.0001885, 0.0004440)  | 0.11818 (0.07852, 0.16004)  | 12.3 (7.3, 19.1)  | 0.0001574 (0.0000927, 0.0002440) | 0.06528 (0.04104, 0.09288) |
| Bengkulu | Maternal disorders                            | 30  |                   |                                   |                             | 13.7 (8.1, 20.4)  | 0.0001752 (0.0001039, 0.0002605) | 0.07281 (0.04494, 0.10347) |
| Bengkulu | Other communicable diseases                   | 30  | 12.3 (5.9, 20.7)  | 0.0001512 (0.0000724, 0.0002539)  | 0.06005 (0.03110, 0.09352)  | 8.3 (4.0, 13.5)   | 0.0001064 (0.0000517, 0.0001719) | 0.04418 (0.02285, 0.06936) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 30  | 4.0 (1.3, 9.5)    | 0.0000485 (0.0000157, 0.0001160)  | 0.0193 (0.00661, 0.04432)   | 2.5 (0.9, 5.5)    | 0.0000319 (0.0000111, 0.0000707) | 0.01324 (0.00487, 0.03061) |
| Bengkulu | Breast cancer                                 | 30  | 0.1 (0.0, 0.2)    | 0.0000007 (0.0000001, 0.0000026)  | 0.00026 (0.00004, 0.000099) | 11.6 (5.9, 20.2)  | 0.0001484 (0.0000751, 0.0002587) | 0.0616 (0.03117, 0.10098)  |
| Bengkulu | Cervical cancer                               | 30  |                   |                                   |                             | 4.8 (1.1, 10.7)   | 0.0000616 (0.0000139, 0.0001363) | 0.02564 (0.00599, 0.05750) |
| Bengkulu | Other malignant neoplasms                     | 30  | 10.3 (6.1, 16.7)  | 0.0001258 (0.0000750, 0.0002047)  | 0.04999 (0.03105, 0.07651)  | 11.3 (5.8, 19.2)  | 0.0001448 (0.0000745, 0.0002453) | 0.06018 (0.03244, 0.09881) |
| Bengkulu | Cerebrovascular disease                       | 30  | 18.6 (13.0, 26.8) | 0.0002285 (0.0001593, 0.0003283)  | 0.09074 (0.06870, 0.11820)  | 20.4 (14.0, 28.4) | 0.0002601 (0.0001786, 0.0003631) | 0.108 (0.08209, 0.13969)   |
| Bengkulu | Ischemic heart disease                        | 30  | 18.9 (12.3, 27.8) | 0.0002313 (0.0001502, 0.0003413)  | 0.09178 (0.06619, 0.12096)  | 12.2 (7.9, 17.9)  | 0.0001556 (0.0001003, 0.0002285) | 0.06463 (0.04388, 0.08945) |
| Bengkulu | Other cardiovascular and circulatory diseases | 30  | 4.6 (2.3, 7.9)    | 0.0000568 (0.0000282, 0.0000973)  | 0.02257 (0.01194, 0.03694)  | 6.5 (3.4, 11.1)   | 0.0000828 (0.0000431, 0.0001415) | 0.03437 (0.01941, 0.05681) |
| Bengkulu | Diabetes mellitus                             | 30  | 3.6 (2.2, 5.6)    | 0.0000438 (0.0000265, 0.0000689)  | 0.01739 (0.01145, 0.02628)  | 7.4 (4.6, 11.5)   | 0.0000946 (0.0000591, 0.0001473) | 0.03928 (0.02568, 0.05766) |
| Bengkulu | Chronic kidney disease                        | 30  | 9.4 (6.0, 14.5)   | 0.0001157 (0.0000730, 0.0001771)  | 0.04598 (0.03146, 0.06432)  | 10.1 (6.3, 14.4)  | 0.0001286 (0.0000806, 0.0001845) | 0.05344 (0.03661, 0.07371) |
| Bengkulu | Cirrhosis                                     | 30  | 10.9 (6.5, 17.5)  | 0.000133 (0.0000797, 0.0002140)   | 0.05278 (0.03327, 0.07556)  | 7.5 (4.3, 12.0)   | 0.0000957 (0.0000549, 0.0001531) | 0.03982 (0.02381, 0.06197) |
| Bengkulu | Chronic respiratory diseases                  | 30  | 8.7 (4.8, 14.4)   | 0.0001061 (0.0000590, 0.0001767)  | 0.04215 (0.02487, 0.06365)  | 7.6 (4.2, 11.9)   | 0.0000966 (0.0000540, 0.0001524) | 0.04012 (0.02323, 0.06023) |
| Bengkulu | Other non-communicable diseases               | 30  | 16.6 (11.3, 24.4) | 0.0002036 (0.0001379, 0.0002987)  | 0.08089 (0.05813, 0.10779)  | 18.7 (12.7, 26.2) | 0.0002386 (0.0001619, 0.0003343) | 0.09916 (0.07159, 0.12929) |
| Bengkulu | Drowning                                      | 30  | 2.8 (1.3, 5.6)    | 0.0000343 (0.0000157, 0.0000691)  | 0.01362 (0.00643, 0.02634)  | 1.1 (0.4, 2.3)    | 0.0000142 (0.0000057, 0.0000298) | 0.00591 (0.00250, 0.01193) |
| Bengkulu | Falls                                         | 30  | 3.2 (1.4, 6.2)    | 0.0000387 (0.0000175, 0.0000756)  | 0.01535 (0.00705, 0.02782)  | 1.6 (0.7, 3.2)    | 0.000021 (0.0000088, 0.0000413)  | 0.00871 (0.00367, 0.01609) |
| Bengkulu | Interpersonal violence                        | 30  | 2.1 (1.1, 3.8)    | 0.0000258 (0.0000136, 0.0000462)  | 0.01025 (0.00555, 0.01672)  | 1.6 (0.8, 3.0)    | 0.0000209 (0.0000101, 0.0000388) | 0.00869 (0.00437, 0.01546) |
| Bengkulu | Self-harm                                     | 30  | 2.9 (1.5, 5.0)    | 0.0000351 (0.0000184, 0.0000607)  | 0.01394 (0.00788, 0.02241)  | 1.9 (0.9, 3.2)    | 0.0000238 (0.0000119, 0.0000414) | 0.00989 (0.00507, 0.01731) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Transport injuries                            | 30  | 24.7 (15.0, 38.2) | 0.0003033 (0.0001843, 0.0004677) | 0.12047 (0.07804, 0.17478) | 9.8 (5.5, 16.2)   | 0.0001257 (0.0000697, 0.0002075) | 0.05217 (0.02988, 0.08443) |
| Bengkulu | Other unintentional injuries                  | 30  | 10.7 (6.2, 18.2)  | 0.0001308 (0.0000758, 0.0002227) | 0.05205 (0.03089, 0.08225) | 5.1 (2.6, 8.9)    | 0.0000645 (0.0000326, 0.0001133) | 0.02686 (0.01410, 0.04437) |
| Bengkulu | Diarrheal diseases                            | 35  | 4.6 (2.1, 8.2)    | 0.0000648 (0.0000297, 0.0001150) | 0.0201 (0.00984, 0.03564)  | 6.6 (3.2, 11.7)   | 0.0000975 (0.0000477, 0.0001728) | 0.02631 (0.01395, 0.04424) |
| Bengkulu | HIV/AIDS                                      | 35  | 1.8 (0.4, 5.0)    | 0.0000251 (0.0000062, 0.0000701) | 0.00771 (0.00199, 0.01982) | 1.7 (0.4, 4.2)    | 0.0000244 (0.0000061, 0.0000615) | 0.00658 (0.00164, 0.01693) |
| Bengkulu | Lower respiratory infections                  | 35  | 3.0 (1.1, 5.8)    | 0.0000416 (0.0000159, 0.0000821) | 0.01288 (0.00514, 0.02500) | 2.4 (0.9, 4.9)    | 0.0000352 (0.0000129, 0.0000726) | 0.00948 (0.00373, 0.01852) |
| Bengkulu | Malaria                                       | 35  | 5.6 (1.8, 12.2)   | 0.0000788 (0.0000249, 0.0001723) | 0.02434 (0.00799, 0.05099) | 5.0 (1.4, 11.2)   | 0.0000733 (0.0000206, 0.0001642) | 0.01977 (0.00607, 0.04590) |
| Bengkulu | Tuberculosis                                  | 35  | 25.3 (16.2, 37.9) | 0.0003561 (0.0002281, 0.0005323) | 0.11011 (0.07408, 0.15028) | 16.7 (9.5, 26.2)  | 0.0002461 (0.0001404, 0.0003861) | 0.06628 (0.04075, 0.09615) |
| Bengkulu | Maternal disorders                            | 35  |                   |                                  |                            | 9.5 (5.3, 15.4)   | 0.00014 (0.0000786, 0.0002261)   | 0.0378 (0.02240, 0.05761)  |
| Bengkulu | Other communicable diseases                   | 35  | 10.6 (5.1, 18.3)  | 0.0001487 (0.0000719, 0.0002567) | 0.04601 (0.02357, 0.07221) | 10.9 (5.4, 18.2)  | 0.0001609 (0.0000797, 0.0002681) | 0.04339 (0.02357, 0.06651) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 35  | 3.0 (1.0, 7.1)    | 0.0000427 (0.0000135, 0.0001002) | 0.01323 (0.00436, 0.03013) | 3.5 (1.3, 7.6)    | 0.0000513 (0.0000187, 0.0001116) | 0.01382 (0.00532, 0.03050) |
| Bengkulu | Breast cancer                                 | 35  | 0.1 (0.0, 0.3)    | 0.0000014 (0.0000002, 0.0000049) | 0.00044 (0.00007, 0.00156) | 18.0 (9.3, 31.2)  | 0.0002655 (0.0001376, 0.0004599) | 0.07157 (0.03891, 0.11415) |
| Bengkulu | Cervical cancer                               | 35  |                   |                                  |                            | 8.2 (2.0, 17.8)   | 0.00012 (0.0000298, 0.0002613)   | 0.03246 (0.00830, 0.07054) |
| Bengkulu | Other malignant neoplasms                     | 35  | 13.8 (8.2, 22.2)  | 0.0001942 (0.0001153, 0.0003123) | 0.06012 (0.03752, 0.08992) | 13.3 (6.4, 23.2)  | 0.0001954 (0.0000947, 0.0003419) | 0.05274 (0.02848, 0.08759) |
| Bengkulu | Cerebrovascular disease                       | 35  | 28.9 (20.9, 40.3) | 0.0004071 (0.0002938, 0.0005670) | 0.12589 (0.09882, 0.15944) | 35.7 (24.6, 50.5) | 0.0005251 (0.0003618, 0.0007439) | 0.14156 (0.11185, 0.17967) |
| Bengkulu | Ischemic heart disease                        | 35  | 27.0 (18.3, 39.5) | 0.0003799 (0.0002574, 0.0005561) | 0.1174 (0.08722, 0.15108)  | 19.5 (12.6, 28.7) | 0.0002869 (0.0001848, 0.0004219) | 0.07738 (0.05304, 0.10552) |
| Bengkulu | Other cardiovascular and circulatory diseases | 35  | 5.9 (3.0, 10.0)   | 0.0000828 (0.0000424, 0.0001412) | 0.02566 (0.01386, 0.04208) | 9.1 (4.7, 15.5)   | 0.0001336 (0.0000688, 0.0002281) | 0.03602 (0.02048, 0.05824) |
| Bengkulu | Diabetes mellitus                             | 35  | 6.7 (4.3, 10.0)   | 0.0000947 (0.0000604, 0.0001406) | 0.02933 (0.01989, 0.04140) | 14.9 (9.3, 22.8)  | 0.00022 (0.0001375, 0.0003354)   | 0.05936 (0.04018, 0.08234) |
| Bengkulu | Chronic kidney disease                        | 35  | 11.3 (7.2, 17.3)  | 0.0001591 (0.0001018, 0.0002439) | 0.04924 (0.03401, 0.06847) | 12.9 (7.9, 18.9)  | 0.0001892 (0.0001170, 0.0002777) | 0.05108 (0.03503, 0.07074) |
| Bengkulu | Cirrhosis                                     | 35  | 13.6 (8.2, 21.8)  | 0.000191 (0.0001154, 0.0003064)  | 0.05902 (0.03734, 0.08373) | 10.6 (6.1, 17.0)  | 0.0001561 (0.0000894, 0.0002507) | 0.04217 (0.02568, 0.06539) |
| Bengkulu | Chronic respiratory diseases                  | 35  | 10.5 (6.0, 17.1)  | 0.0001482 (0.0000843, 0.0002407) | 0.04584 (0.02781, 0.06792) | 9.4 (5.3, 15.2)   | 0.000138 (0.0000775, 0.0002242)  | 0.03723 (0.02216, 0.05690) |
| Bengkulu | Other non-communicable diseases               | 35  | 17.1 (11.7, 24.8) | 0.0002398 (0.0001641, 0.0003489) | 0.07423 (0.05253, 0.09931) | 21.5 (14.1, 30.9) | 0.0003165 (0.0002080, 0.0004541) | 0.08544 (0.06270, 0.11246) |
| Bengkulu | Drowning                                      | 35  | 3.4 (1.5, 6.7)    | 0.0000479 (0.0000208, 0.0000936) | 0.01482 (0.00695, 0.02880) | 1.8 (0.7, 3.8)    | 0.0000268 (0.0000110, 0.0000565) | 0.00723 (0.00312, 0.01505) |
| Bengkulu | Falls                                         | 35  | 3.1 (1.4, 6.2)    | 0.0000441 (0.0000200, 0.0000877) | 0.01363 (0.00625, 0.02596) | 2.1 (0.9, 4.1)    | 0.0000308 (0.0000132, 0.0000607) | 0.0083 (0.00363, 0.01623)  |
| Bengkulu | Interpersonal violence                        | 35  | 1.8 (0.9, 3.2)    | 0.0000258 (0.0000134, 0.0000452) | 0.00799 (0.00409, 0.01351) | 1.6 (0.8, 3.0)    | 0.0000234 (0.0000115, 0.0000445) | 0.00632 (0.00320, 0.01089) |
| Bengkulu | Self-harm                                     | 35  | 2.7 (1.4, 4.6)    | 0.0000379 (0.0000198, 0.0000651) | 0.01172 (0.00629, 0.01928) | 1.9 (0.9, 3.5)    | 0.0000281 (0.0000138, 0.0000511) | 0.00759 (0.00383, 0.01298) |
| Bengkulu | Transport injuries                            | 35  | 19.9 (11.4, 32.0) | 0.0002794 (0.0001608, 0.0004494) | 0.08639 (0.05126, 0.13000) | 9.5 (4.9, 16.5)   | 0.0001399 (0.0000718, 0.0002427) | 0.03771 (0.02084, 0.06189) |
| Bengkulu | Other unintentional injuries                  | 35  | 10.1 (5.8, 17.4)  | 0.0001417 (0.0000812, 0.0002447) | 0.04392 (0.02489, 0.07038) | 5.6 (2.8, 9.8)    | 0.0000829 (0.0000419, 0.0001441) | 0.02242 (0.01208, 0.03784) |
| Bengkulu | Diarrheal diseases                            | 40  | 5.3 (2.4, 9.4)    | 0.0000862 (0.0000386, 0.0001515) | 0.01853 (0.00876, 0.03227) | 8.5 (4.3, 14.3)   | 0.0001443 (0.0000732, 0.0002436) | 0.02806 (0.01488, 0.04480) |
| Bengkulu | HIV/AIDS                                      | 40  | 0.9 (0.2, 2.5)    | 0.0000147 (0.0000034, 0.0000406) | 0.00314 (0.00077, 0.00831) | 0.9 (0.2, 2.5)    | 0.0000159 (0.0000038, 0.0000427) | 0.0031 (0.00074, 0.00839)  |
| Bengkulu | Lower respiratory infections                  | 40  | 2.9 (1.1, 5.8)    | 0.0000461 (0.0000180, 0.0000938) | 0.0099 (0.00399, 0.01965)  | 2.8 (1.0, 5.8)    | 0.0000474 (0.0000178, 0.0000989) | 0.00924 (0.00376, 0.01840) |
| Bengkulu | Malaria                                       | 40  | 6.0 (1.9, 12.9)   | 0.0000966 (0.0000306, 0.0002088) | 0.02073 (0.00697, 0.04297) | 5.3 (1.5, 12.07)  | 0.0000895 (0.0000259, 0.0002035) | 0.01742 (0.00517, 0.03929) |
| Bengkulu | Tuberculosis                                  | 40  | 22.8 (14.2, 34.1) | 0.0003674 (0.0002283, 0.0005495) | 0.07882 (0.05152, 0.10937) | 16.1 (9.2, 24.9)  | 0.000274 (0.0001571, 0.0004243)  | 0.05325 (0.03233, 0.07700) |
| Bengkulu | Maternal disorders                            | 40  |                   |                                  |                            | 2.1 (1.0, 3.9)    | 0.0000353 (0.0000166, 0.0000668) | 0.00688 (0.00348, 0.01213) |
| Bengkulu | Other communicable diseases                   | 40  | 11.0 (5.4, 18.3)  | 0.0001771 (0.0000872, 0.0002944) | 0.03805 (0.01877, 0.05909) | 13.0 (6.4, 20.5)  | 0.0002207 (0.0001088, 0.0003480) | 0.04298 (0.02264, 0.06450) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 40  | 6.0 (2.3, 12.6)   | 0.0000974 (0.0000368, 0.0002034) | 0.02096 (0.00835, 0.04414) | 4.1 (1.5, 8.7)    | 0.0000694 (0.0000259, 0.0001482) | 0.0135 (0.00526, 0.02854)  |
| Bengkulu | Breast cancer                                 | 40  | 0.2 (0.0, 0.6)    | 0.0000035 (0.0000008, 0.0000103) | 0.00076 (0.00017, 0.00218) | 21.6 (11.0, 38.0) | 0.0003668 (0.0001864, 0.0006462) | 0.07125 (0.03916, 0.11303) |
| Bengkulu | Cervical cancer                               | 40  |                   |                                  |                            | 10.2 (2.6, 22.5)  | 0.0001736 (0.0000441, 0.0003829) | 0.03388 (0.00864, 0.07445) |
| Bengkulu | Other malignant neoplasms                     | 40  | 20.1 (12.2, 31.6) | 0.0003242 (0.0001967, 0.0005093) | 0.06964 (0.04534, 0.10202) | 13.2 (6.5, 23.7)  | 0.000225 (0.0001109, 0.0004040)  | 0.04382 (0.02219, 0.07598) |
| Bengkulu | Cerebrovascular disease                       | 40  | 47.7 (35.7, 65.6) | 0.0007701 (0.0005754, 0.0010580) | 0.16532 (0.13218, 0.20294) | 55.2 (39.5, 74.7) | 0.0009385 (0.0006714, 0.0012716) | 0.18252 (0.14733, 0.22326) |
| Bengkulu | Ischemic heart disease                        | 40  | 41.6 (29.2, 59.2) | 0.0006716 (0.0004702, 0.0009551) | 0.14409 (0.10906, 0.18285) | 29.1 (19.4, 41.8) | 0.0004953 (0.0003295, 0.0007109) | 0.09635 (0.06907, 0.12850) |
| Bengkulu | Other cardiovascular and circulatory diseases | 40  | 8.9 (4.6, 15.0)   | 0.0001428 (0.0000748, 0.0002422) | 0.03069 (0.01648, 0.04991) | 11.9 (6.3, 20.2)  | 0.0002026 (0.0001076, 0.0003438) | 0.03941 (0.02222, 0.06323) |
| Bengkulu | Diabetes mellitus                             | 40  | 15.0 (10.1, 22.1) | 0.0002426 (0.0001631, 0.0003572) | 0.05214 (0.03658, 0.07286) | 28.8 (18.9, 41.8) | 0.0004901 (0.0003211, 0.0007110) | 0.09536 (0.06772, 0.12881) |
| Bengkulu | Chronic kidney disease                        | 40  | 15.4 (9.7, 23.0)  | 0.0002488 (0.0001570, 0.0003717) | 0.05345 (0.03680, 0.07371) | 15.0 (9.4, 21.9)  | 0.000256 (0.0001592, 0.0003732)  | 0.04984 (0.03416, 0.06906) |
| Bengkulu | Cirrhosis                                     | 40  | 17.9 (10.8, 27.9) | 0.0002893 (0.0001744, 0.0004500) | 0.06207 (0.03998, 0.08842) | 13.1 (7.8, 21.0)  | 0.0002232 (0.0001322, 0.0003568) | 0.0435 (0.02647, 0.06666)  |
| Bengkulu | Chronic respiratory diseases                  | 40  | 13.0 (7.4, 20.5)  | 0.0002089 (0.0001190, 0.0003309) | 0.04486 (0.02690, 0.06625) | 10.0 (5.7, 16.2)  | 0.0001702 (0.0000977, 0.0002754) | 0.03312 (0.01999, 0.04969) |
| Bengkulu | Other non-communicable diseases               | 40  | 19.6 (13.5, 28.7) | 0.0003163 (0.0002184, 0.0004627) | 0.06795 (0.04846, 0.09280) | 22.6 (15.1, 32.0) | 0.0003837 (0.0002568, 0.0005450) | 0.07471 (0.05398, 0.10025) |
| Bengkulu | Drowning                                      | 40  | 1.9 (0.8, 3.8)    | 0.0000308 (0.0000127, 0.0000618) | 0.00661 (0.00282, 0.01329) | 1.2 (0.5, 2.5)    | 0.00002 (0.0000078, 0.0000418)   | 0.0039 (0.00156, 0.00788)  |
| Bengkulu | Falls                                         | 40  | 2.9 (1.2, 5.9)    | 0.0000469 (0.0000196, 0.0000946) | 0.01008 (0.00431, 0.01865) | 2.1 (0.9, 4.2)    | 0.0000357 (0.0000153, 0.0000719) | 0.00694 (0.00296, 0.01379) |
| Bengkulu | Interpersonal violence                        | 40  | 1.5 (0.7, 2.7)    | 0.0000244 (0.0000118, 0.0000442) | 0.00524 (0.00254, 0.00893) | 1.1 (0.5, 2.1)    | 0.0000196 (0.0000089, 0.0000365) | 0.0038 (0.00187, 0.00681)  |
| Bengkulu | Self-harm                                     | 40  | 2.5 (1.3, 4.4)    | 0.0000405 (0.0000203, 0.0000717) | 0.00872 (0.00458, 0.01480) | 1.5 (0.7, 2.8)    | 0.0000258 (0.0000124, 0.0000471) | 0.00502 (0.00247, 0.00888) |
| Bengkulu | Transport injuries                            | 40  | 16.9 (9.8, 27.9)  | 0.000273 (0.0001574, 0.0004494)  | 0.0586 (0.03482, 0.09162)  | 8.2 (4.2, 13.9)   | 0.0001387 (0.0000714, 0.0002365) | 0.02698 (0.01470, 0.04512) |
| Bengkulu | Other unintentional injuries                  | 40  | 8.5 (4.7, 14.5)   | 0.0001379 (0.0000764, 0.0002344) | 0.02967 (0.01676, 0.04787) | 4.6 (2.3, 8.1)    | 0.000078 (0.0000391, 0.0001375)  | 0.01521 (0.00794, 0.02560) |
| Bengkulu | Diarrheal diseases                            | 45  | 5.8 (2.7, 10.5)   | 0.0001083 (0.0000512, 0.0001956) | 0.0165 (0.00841, 0.02893)  | 10.5 (5.4, 18.0)  | 0.0002102 (0.0001094, 0.0003609) | 0.0272 (0.01482, 0.04426)  |
| Bengkulu | HIV/AIDS                                      | 45  | 0.5 (0.1, 1.4)    | 0.0000091 (0.0000021, 0.0000267) | 0.00138 (0.00033, 0.00406) | 0.6 (0.1, 1.5)    | 0.0000113 (0.0000026, 0.0000311) | 0.00146 (0.00035, 0.00415) |
| Bengkulu | Lower respiratory infections                  | 45  | 3.5 (1.4, 7.1)    | 0.0000661 (0.0000257, 0.0001331) | 0.01006 (0.00406, 0.01983) | 4.1 (1.6, 8.3)    | 0.0000817 (0.0000322, 0.0001674) | 0.01058 (0.00432, 0.02154) |
| Bengkulu | Malaria                                       | 45  | 5.8 (1.8, 12.7)   | 0.0001079 (0.0000327, 0.0002365) | 0.0164 (0.00515, 0.03645)  | 5.2 (1.4, 12.5)   | 0.0001037 (0.0000276, 0.0002517) | 0.01343 (0.00377, 0.03241) |
| Bengkulu | Tuberculosis                                  | 45  | 25.5 (15.5, 37.3) | 0.0004764 (0.0002892, 0.0006953) | 0.07238 (0.04657, 0.09925) | 18.6 (10.5, 28.5) | 0.000373 (0.0002100, 0.0005718)  | 0.04824 (0.02898, 0.07087) |
| Bengkulu | Maternal disorders                            | 45  |                   |                                  |                            | 0.8 (0.3, 1.5)    | 0.0000161 (0.0000067, 0.0000307) | 0.00209 (0.00086, 0.00396) |
| Bengkulu | Other communicable diseases                   | 45  | 10.2 (4.8, 17.6)  | 0.0001907 (0.0000902, 0.0003285) | 0.02901 (0.01372, 0.04665) | 14.2 (7.3, 22.8)  | 0.000285 (0.0001475, 0.0004572)  | 0.03692 (0.01941, 0.05673) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 45  | 9.0 (3.8, 17.1)   | 0.0001682 (0.0000714, 0.0003189) | 0.02563 (0.01125, 0.04940) | 5.0 (1.9, 10.5)   | 0.0001004 (0.0000374, 0.0002112) | 0.01299 (0.00529, 0.02686) |
| Bengkulu | Breast cancer                                 | 45  | 0.3 (0.1, 0.8)    | 0.0000053 (0.0000014, 0.0000147) | 0.00081 (0.00020, 0.00218) | 23.6 (12.4, 40.3) | 0.0004738 (0.0002480, 0.0008099) | 0.06127 (0.03350, 0.09676) |
| Bengkulu | Cervical cancer                               | 45  |                   |                                  |                            | 11.2 (3.0, 23.9)  | 0.0002247 (0.0000601, 0.0004797) | 0.02917 (0.00796, 0.06447) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                            | Females             |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Other malignant neoplasms                     | 45  | 20.4 (12.4, 32.7)   | 0.0003808 (0.0002321, 0.0006102) | 0.05794 (0.03686, 0.08745) | 14.0 (6.7, 25.4)    | 0.0002814 (0.0001346, 0.0005104) | 0.03647 (0.01817, 0.06283) |
| Bengkulu | Cerebrovascular disease                       | 45  | 68.8 (51.7, 92.3)   | 0.001284 (0.0009642, 0.0017210)  | 0.19522 (0.16030, 0.23506) | 82.3 (60.9, 108.9)  | 0.0016529 (0.0012224, 0.0021864) | 0.21396 (0.17650, 0.25564) |
| Bengkulu | Ischemic heart disease                        | 45  | 54.9 (38.4, 76.5)   | 0.0010242 (0.0007161, 0.0014269) | 0.15567 (0.11787, 0.19503) | 37.6 (25.4, 53.1)   | 0.0007549 (0.0005092, 0.0010659) | 0.09774 (0.07007, 0.12987) |
| Bengkulu | Other cardiovascular and circulatory diseases | 45  | 11.8 (6.3, 19.7)    | 0.0002203 (0.0001174, 0.0003682) | 0.03354 (0.01847, 0.05298) | 16.2 (8.8, 26.6)    | 0.0003248 (0.0001770, 0.0005344) | 0.04205 (0.02407, 0.06520) |
| Bengkulu | Diabetes mellitus                             | 45  | 25.8 (17.4, 37.7)   | 0.0004803 (0.0003252, 0.0007040) | 0.07309 (0.05242, 0.10004) | 48.7 (33.4, 67.7)   | 0.0009783 (0.0006709, 0.0013591) | 0.12668 (0.09197, 0.16800) |
| Bengkulu | Chronic kidney disease                        | 45  | 17.8 (11.3, 26.7)   | 0.0003324 (0.0002114, 0.0004981) | 0.05055 (0.03489, 0.06968) | 17.1 (10.9, 24.7)   | 0.0003426 (0.0002185, 0.0004955) | 0.04438 (0.02975, 0.06053) |
| Bengkulu | Cirrhosis                                     | 45  | 19.6 (11.9, 30.8)   | 0.0003661 (0.0002228, 0.0005750) | 0.05562 (0.03498, 0.07941) | 15.4 (8.8, 24.7)    | 0.0003083 (0.0001774, 0.0004954) | 0.03997 (0.02412, 0.06072) |
| Bengkulu | Chronic respiratory diseases                  | 45  | 17.0 (10.0, 26.3)   | 0.0003163 (0.0001857, 0.0004903) | 0.04809 (0.02985, 0.06954) | 14.0 (8.3, 22.2)    | 0.0002817 (0.0001676, 0.0004456) | 0.03647 (0.02255, 0.05492) |
| Bengkulu | Other non-communicable diseases               | 45  | 20.4 (14.0, 29.8)   | 0.0003814 (0.0002619, 0.0005557) | 0.05801 (0.04124, 0.07860) | 24.3 (16.4, 34.1)   | 0.0004879 (0.0003290, 0.0006836) | 0.06322 (0.04576, 0.08522) |
| Bengkulu | Drowning                                      | 45  | 1.4 (0.5, 2.9)      | 0.0000252 (0.0000092, 0.0000544) | 0.00384 (0.00145, 0.00829) | 1.1 (0.4, 2.4)      | 0.0000218 (0.0000079, 0.0000476) | 0.00282 (0.00100, 0.00608) |
| Bengkulu | Falls                                         | 45  | 3.4 (1.5, 6.4)      | 0.0000633 (0.0000271, 0.0001197) | 0.00963 (0.00421, 0.01783) | 3.0 (1.3, 6.0)      | 0.0000596 (0.0000253, 0.0001195) | 0.00771 (0.00336, 0.01489) |
| Bengkulu | Interpersonal violence                        | 45  | 1.4 (0.6, 2.4)      | 0.000026 (0.0000119, 0.0000456)  | 0.00396 (0.00186, 0.00675) | 1.0 (0.5, 1.9)      | 0.000021 (0.0000096, 0.0000391)  | 0.00272 (0.00132, 0.00482) |
| Bengkulu | Self-harm                                     | 45  | 2.6 (1.3, 4.8)      | 0.0000493 (0.0000237, 0.0000888) | 0.0075 (0.00368, 0.01264)  | 1.5 (0.7, 2.7)      | 0.0000307 (0.0000149, 0.0000541) | 0.00397 (0.00193, 0.00722) |
| Bengkulu | Transport injuries                            | 45  | 18.0 (9.8, 29.4)    | 0.000335 (0.0001833, 0.0005481)  | 0.05093 (0.02995, 0.07965) | 9.9 (5.1, 17.2)     | 0.000198 (0.0001029, 0.0003444)  | 0.02562 (0.01373, 0.04380) |
| Bengkulu | Other unintentional injuries                  | 45  | 8.5 (4.6, 14.7)     | 0.0001589 (0.0000858, 0.0002733) | 0.02423 (0.01377, 0.04007) | 4.9 (2.4, 8.9)      | 0.0000992 (0.0000492, 0.0001777) | 0.01287 (0.00662, 0.02231) |
| Bengkulu | Diarrheal diseases                            | 50  | 8.4 (3.8, 14.9)     | 0.0001923 (0.0000871, 0.0003418) | 0.01913 (0.00975, 0.03290) | 13.0 (7.1, 21.6)    | 0.0003553 (0.0001939, 0.0005876) | 0.03132 (0.01740, 0.04930) |
| Bengkulu | HIV/AIDS                                      | 50  | 0.2 (0.1, 0.7)      | 0.0000051 (0.0000012, 0.0000157) | 0.0005 (0.00012, 0.00145)  | 0.2 (0.1, 0.7)      | 0.000006 (0.0000014, 0.0000178)  | 0.00053 (0.00012, 0.00156) |
| Bengkulu | Lower respiratory infections                  | 50  | 5.1 (1.9, 9.9)      | 0.0001169 (0.0000443, 0.0002261) | 0.01161 (0.00459, 0.02236) | 5.0 (2.1, 9.9)      | 0.0001373 (0.0000562, 0.0002692) | 0.01211 (0.00503, 0.02388) |
| Bengkulu | Malaria                                       | 50  | 6.1 (1.9, 13.8)     | 0.0001406 (0.0000439, 0.0003170) | 0.01396 (0.00453, 0.03142) | 4.6 (1.2, 11.4)     | 0.0001264 (0.0000333, 0.0003097) | 0.01115 (0.00300, 0.02728) |
| Bengkulu | Tuberculosis                                  | 50  | 29.9 (18.3, 45.3)   | 0.0006864 (0.0004197, 0.0010384) | 0.06815 (0.04363, 0.09350) | 18.3 (10.3, 29.0)   | 0.0004985 (0.0002811, 0.0007916) | 0.04393 (0.02561, 0.06582) |
| Bengkulu | Maternal disorders                            | 50  |                     |                                  |                            | 0.3 (0.1, 0.9)      | 0.0000092 (0.0000028, 0.0000246) | 0.00082 (0.00025, 0.00217) |
| Bengkulu | Other communicable diseases                   | 50  | 11.4 (5.3, 19.1)    | 0.0002613 (0.0001226, 0.0004376) | 0.02598 (0.01257, 0.04266) | 13.7 (6.9, 22.1)    | 0.0003748 (0.0001878, 0.0006039) | 0.0331 (0.01720, 0.05094)  |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 50  | 10.3 (4.3, 20.2)    | 0.0002355 (0.0000981, 0.0004628) | 0.02346 (0.01005, 0.04642) | 5.1 (1.9, 10.7)     | 0.0001381 (0.0000518, 0.0002931) | 0.01218 (0.00496, 0.02552) |
| Bengkulu | Breast cancer                                 | 50  | 0.3 (0.1, 0.7)      | 0.0000062 (0.0000019, 0.0000157) | 0.00062 (0.00019, 0.00156) | 18.0 (9.1, 32.2)    | 0.0004896 (0.0002468, 0.0008785) | 0.04316 (0.02266, 0.07234) |
| Bengkulu | Cervical cancer                               | 50  |                     |                                  |                            | 9.7 (2.5, 21.3)     | 0.0002638 (0.0000689, 0.0005794) | 0.02332 (0.00600, 0.05072) |
| Bengkulu | Other malignant neoplasms                     | 50  | 18.5 (11.2, 29.8)   | 0.0004247 (0.0002557, 0.0006826) | 0.04223 (0.02627, 0.06441) | 12.6 (6.0, 22.9)    | 0.0003433 (0.0001644, 0.0006250) | 0.03032 (0.01484, 0.05338) |
| Bengkulu | Cerebrovascular disease                       | 50  | 99.6 (74.9, 131.2)  | 0.0022829 (0.0017181, 0.0030091) | 0.22683 (0.18982, 0.26839) | 102.6 (77.2, 132.6) | 0.0027974 (0.0021053, 0.0036146) | 0.24675 (0.20777, 0.28906) |
| Bengkulu | Ischemic heart disease                        | 50  | 72.5 (50.3, 99.8)   | 0.0016629 (0.0011526, 0.0022883) | 0.16517 (0.12666, 0.20748) | 42.3 (28.7, 59.7)   | 0.0011542 (0.0007813, 0.0016275) | 0.10185 (0.07278, 0.13461) |
| Bengkulu | Other cardiovascular and circulatory diseases | 50  | 16.5 (9.1, 27.8)    | 0.0003789 (0.0002084, 0.0006384) | 0.0377 (0.02128, 0.05889)  | 19.6 (10.9, 31.9)   | 0.0005346 (0.0002965, 0.0008687) | 0.04718 (0.02792, 0.07250) |
| Bengkulu | Diabetes mellitus                             | 50  | 37.2 (25.0, 53.8)   | 0.0008519 (0.0005735, 0.0012330) | 0.08472 (0.06040, 0.11451) | 60.2 (42.3, 84.2)   | 0.001641 (0.0011533, 0.0022964)  | 0.14482 (0.10691, 0.18773) |
| Bengkulu | Chronic kidney disease                        | 50  | 20.2 (12.9, 29.9)   | 0.0004625 (0.0002968, 0.0006867) | 0.04596 (0.03129, 0.06334) | 16.6 (10.8, 23.8)   | 0.0004534 (0.0002943, 0.0006478) | 0.04003 (0.02738, 0.05499) |
| Bengkulu | Cirrhosis                                     | 50  | 22.8 (13.8, 35.8)   | 0.0005218 (0.0003157, 0.0008206) | 0.05184 (0.03311, 0.07506) | 15.6 (9.0, 24.8)    | 0.0004243 (0.0002460, 0.0006752) | 0.03749 (0.02241, 0.05823) |
| Bengkulu | Chronic respiratory diseases                  | 50  | 24.0 (14.4, 36.9)   | 0.0005507 (0.0003308, 0.0008452) | 0.05469 (0.03498, 0.07836) | 17.1 (10.5, 26.6)   | 0.0004655 (0.0002860, 0.0007252) | 0.04106 (0.02617, 0.06097) |
| Bengkulu | Other non-communicable diseases               | 50  | 23.3 (15.7, 33.7)   | 0.0005333 (0.0003606, 0.0007719) | 0.05301 (0.03789, 0.07171) | 24.0 (16.6, 34.1)   | 0.0006541 (0.0004519, 0.0009307) | 0.05776 (0.04172, 0.07870) |
| Bengkulu | Drowning                                      | 50  | 1.1 (0.4, 2.6)      | 0.0000261 (0.0000095, 0.0000587) | 0.00259 (0.00100, 0.00562) | 0.8 (0.3, 1.8)      | 0.0000217 (0.0000072, 0.0000481) | 0.00192 (0.00069, 0.00437) |
| Bengkulu | Falls                                         | 50  | 4.4 (2.0, 8.4)      | 0.0001002 (0.0000448, 0.0001926) | 0.00996 (0.00463, 0.01841) | 3.3 (1.5, 6.6)      | 0.0000896 (0.0000413, 0.0001796) | 0.00709 (0.00357, 0.01487) |
| Bengkulu | Interpersonal violence                        | 50  | 1.2 (0.6, 2.2)      | 0.0000267 (0.0000127, 0.0000499) | 0.00266 (0.00122, 0.00469) | 0.7 (0.3, 1.4)      | 0.0000199 (0.0000090, 0.0000375) | 0.00175 (0.00083, 0.00325) |
| Bengkulu | Self-harm                                     | 50  | 2.4 (1.2, 4.5)      | 0.000056 (0.0000270, 0.0001026)  | 0.00558 (0.00278, 0.00976) | 1.2 (0.6, 2.1)      | 0.0000318 (0.0000151, 0.0000583) | 0.00281 (0.00136, 0.00517) |
| Bengkulu | Transport injuries                            | 50  | 15.8 (8.6, 26.1)    | 0.0003631 (0.0001961, 0.0005987) | 0.0361 (0.01988, 0.05992)  | 7.4 (3.7, 12.9)     | 0.0002004 (0.0001015, 0.0003519) | 0.01769 (0.00941, 0.03073) |
| Bengkulu | Other unintentional injuries                  | 50  | 7.7 (4.0, 13.6)     | 0.0001762 (0.0000923, 0.0003114) | 0.01756 (0.00984, 0.02954) | 3.7 (1.9, 6.6)      | 0.0001022 (0.0000511, 0.0001793) | 0.00903 (0.00459, 0.01602) |
| Bengkulu | Diarrheal diseases                            | 55  | 8.6 (4.1, 15.1)     | 0.0003063 (0.0001461, 0.0005394) | 0.02069 (0.01013, 0.03451) | 12.9 (7.1, 20.8)    | 0.0005443 (0.0002975, 0.0008754) | 0.03254 (0.01846, 0.05044) |
| Bengkulu | HIV/AIDS                                      | 55  | 0.1 (0.0, 0.3)      | 0.0000029 (0.0000006, 0.0000092) | 0.00019 (0.00004, 0.00057) | 0.1 (0.0, 0.3)      | 0.0000034 (0.0000007, 0.0000106) | 0.00021 (0.00004, 0.00062) |
| Bengkulu | Lower respiratory infections                  | 55  | 4.7 (1.9, 9.3)      | 0.0001673 (0.0000669, 0.0003339) | 0.01129 (0.00462, 0.02177) | 4.8 (2.0, 9.2)      | 0.0002033 (0.0000829, 0.0003893) | 0.01216 (0.00512, 0.02302) |
| Bengkulu | Malaria                                       | 55  | 5.6 (1.6, 12.6)     | 0.0001995 (0.0000564, 0.0004529) | 0.01345 (0.00411, 0.03001) | 3.9 (1.0, 9.5)      | 0.0001641 (0.0000421, 0.0004021) | 0.00982 (0.00262, 0.02428) |
| Bengkulu | Tuberculosis                                  | 55  | 22.9 (13.2, 34.8)   | 0.0008207 (0.0004726, 0.0012464) | 0.05535 (0.03379, 0.07894) | 13.8 (7.5, 22.4)    | 0.0005827 (0.0003163, 0.0009452) | 0.0348 (0.01958, 0.05270)  |
| Bengkulu | Other communicable diseases                   | 55  | 10.2 (5.1, 17.1)    | 0.0003667 (0.0001835, 0.0006125) | 0.02478 (0.01288, 0.04011) | 12.2 (6.4, 19.3)    | 0.0005158 (0.0002711, 0.0008139) | 0.03086 (0.01685, 0.04744) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 55  | 11.3 (4.8, 21.6)    | 0.0004053 (0.0001714, 0.0007737) | 0.0274 (0.01192, 0.05014)  | 3.8 (1.5, 8.2)      | 0.0001612 (0.0000614, 0.0003436) | 0.00964 (0.00375, 0.02034) |
| Bengkulu | Breast cancer                                 | 55  | 0.2 (0.1, 0.5)      | 0.0000078 (0.0000025, 0.0000187) | 0.00052 (0.00017, 0.00125) | 12.2 (5.8, 22.0)    | 0.0005122 (0.0002433, 0.0009253) | 0.03061 (0.01530, 0.05231) |
| Bengkulu | Cervical cancer                               | 55  |                     |                                  |                            | 6.8 (1.9, 15.5)     | 0.0002868 (0.0000781, 0.0006534) | 0.01718 (0.00459, 0.03828) |
| Bengkulu | Other malignant neoplasms                     | 55  | 13.2 (8.0, 21.2)    | 0.0004742 (0.0002863, 0.0007603) | 0.03202 (0.02019, 0.04922) | 10.1 (4.8, 18.3)    | 0.0004236 (0.0002036, 0.0007727) | 0.02535 (0.01272, 0.04588) |
| Bengkulu | Cerebrovascular disease                       | 55  | 105.3 (79.5, 136.8) | 0.0037709 (0.0028488, 0.0049016) | 0.25447 (0.21474, 0.29813) | 111.3 (84.3, 141.5) | 0.0046894 (0.0035538, 0.0059650) | 0.28034 (0.23942, 0.32380) |
| Bengkulu | Ischemic heart disease                        | 55  | 73.4 (51.5, 99.3)   | 0.0026304 (0.0018462, 0.0035554) | 0.17748 (0.13543, 0.22262) | 44.1 (30.3, 60.4)   | 0.0018572 (0.0012754, 0.0025444) | 0.11105 (0.08034, 0.14730) |
| Bengkulu | Other cardiovascular and circulatory diseases | 55  | 17.1 (9.4, 28.5)    | 0.0006119 (0.0003375, 0.0010212) | 0.04133 (0.02367, 0.06491) | 20.5 (11.5, 32.7)   | 0.0008618 (0.0004865, 0.0013795) | 0.05152 (0.03061, 0.08109) |
| Bengkulu | Diabetes mellitus                             | 55  | 36.2 (24.7, 51.9)   | 0.0012968 (0.0008838, 0.0018599) | 0.08757 (0.06305, 0.11773) | 59.3 (41.5, 82.1)   | 0.0024986 (0.0017501, 0.0034606) | 0.14939 (0.10970, 0.19378) |
| Bengkulu | Chronic kidney disease                        | 55  | 17.8 (11.5, 26.2)   | 0.0006377 (0.0004113, 0.0009374) | 0.04304 (0.02937, 0.05911) | 14.7 (9.5, 21.0)    | 0.0006186 (0.0003993, 0.0008839) | 0.03701 (0.02506, 0.05142) |
| Bengkulu | Cirrhosis                                     | 55  | 19.0 (11.4, 29.6)   | 0.0006823 (0.0004097, 0.0010597) | 0.04605 (0.02886, 0.06589) | 13.5 (8.0, 21.8)    | 0.0005702 (0.0003391, 0.0009199) | 0.03415 (0.02050, 0.05356) |
| Bengkulu | Chronic respiratory diseases                  | 55  | 22.5 (13.6, 34.3)   | 0.0008076 (0.0004864, 0.0012270) | 0.05447 (0.03445, 0.07902) | 16.9 (10.4, 26.1)   | 0.000714 (0.0004369, 0.0010991)  | 0.04268 (0.02800, 0.06151) |
| Bengkulu | Other non-communicable diseases               | 55  | 22.1 (15.0, 31.4)   | 0.0007907 (0.0005364, 0.0011257) | 0.05338 (0.03837, 0.07112) | 23.3 (16.1, 32.4)   | 0.0009802 (0.0006783, 0.0013634) | 0.05868 (0.04279, 0.07805) |
| Bengkulu | Drowning                                      | 55  | 0.8 (0.3, 1.8)      | 0.0000282 (0.0000100, 0.0000650) | 0.00191 (0.00067, 0.00415) | 0.6 (0.2, 1.4)      | 0.000025 (0.0000083, 0.0000572)  | 0.0015 (0.00051, 0.00335)  |
| Bengkulu | Falls                                         | 55  | 4.4 (2.0, 8.6)      | 0.000157 (0.0000731, 0.0003082)  | 0.0106 (0.00483, 0.02007)  | 3.4 (1.6, 6.6)      | 0.0001445 (0.0000654, 0.0002787) | 0.00864 (0.00410, 0.01617) |
| Bengkulu | Interpersonal violence                        | 55  | 0.8 (0.4, 1.5)      | 0.000029 (0.0000130, 0.0000531)  | 0.00195 (0.00091, 0.00345) | 0.5 (0.2, 0.9)      | 0.0000203 (0.0000090, 0.0000389) | 0.00121 (0.00056, 0.00224) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Self-harm                                     | 55  | 1.9 (1.0, 3.5)       | 0.000688 (0.000351, 0.0001236)   | 0.00464 (0.00236, 0.00816) | 0.9 (0.4, 1.6)       | 0.000362 (0.000172, 0.0000686)   | 0.00217 (0.00105, 0.00411) |
| Bengkulu | Transport injuries                            | 55  | 9.8 (5.1, 17.3)      | 0.0003501 (0.0001824, 0.0006212) | 0.02363 (0.01268, 0.04133) | 4.6 (2.3, 8.8)       | 0.0001938 (0.0000952, 0.0003704) | 0.01158 (0.00587, 0.02107) |
| Bengkulu | Other unintentional injuries                  | 55  | 5.7 (3.1, 9.9)       | 0.0002038 (0.0001098, 0.0003563) | 0.01378 (0.00771, 0.02289) | 2.7 (1.4, 4.9)       | 0.0001158 (0.0000594, 0.0002057) | 0.00693 (0.00358, 0.01219) |
| Bengkulu | Diarrheal diseases                            | 60  | 11.4 (5.7, 19.1)     | 0.0005827 (0.0002924, 0.0009803) | 0.02369 (0.01246, 0.03949) | 16.4 (9.4, 26.6)     | 0.000912 (0.0005228, 0.0014797)  | 0.03669 (0.02195, 0.05691) |
| Bengkulu | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.2)       | 0.0000034 (0.0000006, 0.0000105) | 0.00014 (0.00003, 0.00041) | 0.1 (0.0, 0.2)       | 0.0000036 (0.0000006, 0.0000108) | 0.00014 (0.00003, 0.00042) |
| Bengkulu | Lower respiratory infections                  | 60  | 7.7 (3.2, 14.9)      | 0.0003938 (0.0001650, 0.0007665) | 0.01599 (0.00673, 0.02941) | 7.9 (3.4, 14.4)      | 0.0004414 (0.0001891, 0.0008002) | 0.01776 (0.00778, 0.03228) |
| Bengkulu | Malaria                                       | 60  | 6.3 (1.8, 15.0)      | 0.0003244 (0.0000932, 0.0007688) | 0.01317 (0.00405, 0.03061) | 4.2 (1.0, 10.8)      | 0.0002344 (0.0000561, 0.0005994) | 0.00943 (0.00326, 0.02482) |
| Bengkulu | Tuberculosis                                  | 60  | 29.5 (17.7, 44.7)    | 0.0015139 (0.0009074, 0.0022942) | 0.06141 (0.03802, 0.08727) | 17.9 (10.2, 28.5)    | 0.0009967 (0.0005669, 0.0015864) | 0.04005 (0.02298, 0.06035) |
| Bengkulu | Other communicable diseases                   | 60  | 10.1 (4.9, 17.3)     | 0.0005167 (0.0002515, 0.0008894) | 0.021 (0.01035, 0.03443)   | 11.5 (5.7, 18.7)     | 0.0006416 (0.0003181, 0.0010410) | 0.02583 (0.01284, 0.04084) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 60  | 12.5 (5.3, 23.7)     | 0.000639 (0.0002708, 0.0012181)  | 0.02599 (0.01117, 0.04863) | 3.8 (1.4, 8.1)       | 0.0002132 (0.0000783, 0.0004509) | 0.00858 (0.00326, 0.01806) |
| Bengkulu | Breast cancer                                 | 60  | 0.2 (0.1, 0.6)       | 0.0000113 (0.0000034, 0.0000284) | 0.00046 (0.00014, 0.00116) | 9.0 (4.1, 17.4)      | 0.0005038 (0.0002264, 0.0009693) | 0.02025 (0.00956, 0.03640) |
| Bengkulu | Cervical cancer                               | 60  |                      |                                  |                            | 6.0 (1.6, 13.7)      | 0.0003323 (0.0000891, 0.0007637) | 0.0134 (0.00360, 0.03071)  |
| Bengkulu | Other malignant neoplasms                     | 60  | 13.4 (8.0, 21.5)     | 0.0006859 (0.0004099, 0.0011047) | 0.02787 (0.01730, 0.04312) | 10.7 (5.1, 19.1)     | 0.0005938 (0.0002856, 0.0010619) | 0.0239 (0.01221, 0.04231)  |
| Bengkulu | Cerebrovascular disease                       | 60  | 130.1 (97.5, 165.4)  | 0.0066723 (0.0049997, 0.0084844) | 0.27095 (0.23045, 0.31534) | 134.7 (104.5, 169.1) | 0.0074997 (0.0058197, 0.0094176) | 0.3017 (0.26019, 0.34656)  |
| Bengkulu | Ischemic heart disease                        | 60  | 79.4 (56.3, 106.7)   | 0.0040729 (0.0028860, 0.0054761) | 0.16536 (0.12642, 0.20698) | 49.5 (34.5, 68.3)    | 0.0027565 (0.0019227, 0.0038042) | 0.11088 (0.08156, 0.14740) |
| Bengkulu | Other cardiovascular and circulatory diseases | 60  | 20.9 (11.6, 34.1)    | 0.0010745 (0.0005961, 0.0017498) | 0.04369 (0.02472, 0.06833) | 23.8 (13.5, 37.5)    | 0.0013255 (0.0007536, 0.0020875) | 0.05331 (0.03183, 0.08202) |
| Bengkulu | Diabetes mellitus                             | 60  | 35.7 (24.2, 50.4)    | 0.0018335 (0.0012436, 0.0025843) | 0.0745 (0.05417, 0.10298)  | 58.1 (40.4, 80.8)    | 0.0032332 (0.0022512, 0.0044977) | 0.13009 (0.09345, 0.17032) |
| Bengkulu | Chronic kidney disease                        | 60  | 17.8 (11.5, 25.9)    | 0.000911 (0.0005925, 0.0013276)  | 0.037 (0.02567, 0.05125)   | 14.3 (9.3, 20.5)     | 0.0007978 (0.0005174, 0.0011401) | 0.03211 (0.02198, 0.04526) |
| Bengkulu | Cirrhosis                                     | 60  | 18.9 (11.2, 29.8)    | 0.000969 (0.0005762, 0.0015263)  | 0.03936 (0.02469, 0.05759) | 13.2 (7.8, 21.2)     | 0.0007351 (0.0004316, 0.0011826) | 0.02961 (0.01781, 0.04671) |
| Bengkulu | Chronic respiratory diseases                  | 60  | 35.7 (22.6, 53.1)    | 0.0018299 (0.0011576, 0.0027218) | 0.07429 (0.04912, 0.10305) | 24.9 (16.0, 36.6)    | 0.0013874 (0.0008920, 0.0020405) | 0.0558 (0.03768, 0.07851)  |
| Bengkulu | Other non-communicable diseases               | 60  | 27.9 (19.0, 39.3)    | 0.0014314 (0.0009757, 0.0020137) | 0.05815 (0.04191, 0.07751) | 28.5 (19.9, 39.4)    | 0.0015845 (0.0011054, 0.0021940) | 0.0638 (0.04652, 0.08447)  |
| Bengkulu | Drowning                                      | 60  | 0.8 (0.3, 1.7)       | 0.0000397 (0.0000133, 0.0000893) | 0.00162 (0.00054, 0.00361) | 0.6 (0.2, 1.3)       | 0.0000319 (0.0000093, 0.0000740) | 0.00129 (0.00039, 0.00297) |
| Bengkulu | Falls                                         | 60  | 4.6 (2.1, 8.4)       | 0.0002349 (0.0001065, 0.0004325) | 0.00955 (0.00436, 0.01709) | 3.5 (1.6, 6.5)       | 0.0001927 (0.0000879, 0.0003618) | 0.00776 (0.00349, 0.01454) |
| Bengkulu | Interpersonal violence                        | 60  | 0.6 (0.3, 1.2)       | 0.0000307 (0.0000134, 0.0000600) | 0.00125 (0.00056, 0.00231) | 0.3 (0.1, 0.7)       | 0.0000191 (0.0000077, 0.0000398) | 0.00077 (0.00032, 0.00159) |
| Bengkulu | Self-harm                                     | 60  | 1.6 (0.8, 2.8)       | 0.0000806 (0.0000402, 0.0001449) | 0.00328 (0.00163, 0.00567) | 0.7 (0.3, 1.3)       | 0.0000374 (0.0000166, 0.0000699) | 0.00151 (0.00068, 0.00285) |
| Bengkulu | Transport injuries                            | 60  | 9.7 (5.0, 16.9)      | 0.000499 (0.0002561, 0.0008684)  | 0.02028 (0.01102, 0.03521) | 4.4 (2.1, 8.3)       | 0.0002454 (0.0001194, 0.0004624) | 0.00987 (0.00494, 0.01819) |
| Bengkulu | Other unintentional injuries                  | 60  | 5.3 (2.7, 9.3)       | 0.0002706 (0.0001394, 0.0004790) | 0.01101 (0.00587, 0.01894) | 2.4 (1.2, 4.5)       | 0.0001362 (0.0000666, 0.0002507) | 0.00549 (0.00275, 0.01026) |
| Bengkulu | Diarrheal diseases                            | 65  | 16.5 (8.9, 25.9)     | 0.0012853 (0.0006968, 0.0020183) | 0.03635 (0.02112, 0.05631) | 25.2 (15.8, 39.1)    | 0.0019368 (0.0012099, 0.0030056) | 0.0528 (0.03411, 0.07646)  |
| Bengkulu | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.2)       | 0.0000044 (0.0000009, 0.0000136) | 0.00012 (0.00003, 0.00037) | 0.1 (0.0, 0.2)       | 0.0000046 (0.0000009, 0.0000132) | 0.00013 (0.00003, 0.00036) |
| Bengkulu | Lower respiratory infections                  | 65  | 8.1 (3.4, 15.5)      | 0.0006297 (0.0002649, 0.0012066) | 0.0178 (0.00769, 0.03292)  | 9.2 (4.1, 16.6)      | 0.0007709 (0.0003135, 0.0012786) | 0.01919 (0.00861, 0.03504) |
| Bengkulu | Malaria                                       | 65  | 5.8 (1.7, 14.1)      | 0.0004526 (0.0001314, 0.0011022) | 0.01277 (0.00381, 0.02997) | 4.1 (1.0, 10.6)      | 0.0003122 (0.0000767, 0.0008114) | 0.00851 (0.00213, 0.02253) |
| Bengkulu | Tuberculosis                                  | 65  | 28.1 (16.3, 42.3)    | 0.0021881 (0.0012706, 0.0032966) | 0.06176 (0.03773, 0.08783) | 18.5 (10.0, 29.6)    | 0.0014248 (0.0007717, 0.0022767) | 0.0388 (0.02160, 0.05860)  |
| Bengkulu | Other communicable diseases                   | 65  | 8.7 (4.2, 14.7)      | 0.0006746 (0.0003267, 0.0011436) | 0.01908 (0.00930, 0.03217) | 10.6 (5.2, 17.7)     | 0.0008115 (0.0003966, 0.0013319) | 0.02213 (0.01110, 0.03556) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 65  | 10.4 (4.2, 19.8)     | 0.0008085 (0.0003239, 0.0015437) | 0.02289 (0.00932, 0.04466) | 3.1 (1.1, 6.8)       | 0.000238 (0.0000842, 0.0005189)  | 0.00649 (0.00243, 0.01406) |
| Bengkulu | Breast cancer                                 | 65  | 0.2 (0.0, 0.4)       | 0.0000124 (0.0000032, 0.0000333) | 0.00035 (0.00009, 0.00093) | 6.8 (3.0, 13.5)      | 0.0005261 (0.0002297, 0.0010354) | 0.01433 (0.00639, 0.02705) |
| Bengkulu | Cervical cancer                               | 65  |                      |                                  |                            | 4.4 (1.1, 10.5)      | 0.0003344 (0.0000837, 0.0008084) | 0.00914 (0.00224, 0.02215) |
| Bengkulu | Other malignant neoplasms                     | 65  | 9.7 (5.9, 15.8)      | 0.0007594 (0.0004577, 0.0012335) | 0.02148 (0.01351, 0.03410) | 10.7 (5.4, 18.8)     | 0.0008252 (0.0004177, 0.0014433) | 0.02251 (0.01180, 0.03879) |
| Bengkulu | Cerebrovascular disease                       | 65  | 128.1 (95.2, 161.0)  | 0.0099805 (0.0074189, 0.0125443) | 0.28206 (0.24072, 0.32610) | 151.2 (118.0, 187.7) | 0.0116154 (0.0090678, 0.0144150) | 0.31666 (0.27401, 0.36118) |
| Bengkulu | Ischemic heart disease                        | 65  | 73.9 (52.0, 99.1)    | 0.0057571 (0.0004049, 0.0077187) | 0.1627 (0.12372, 0.20416)  | 52.2 (36.3, 71.5)    | 0.0040062 (0.0027867, 0.0054927) | 0.10922 (0.07991, 0.14429) |
| Bengkulu | Other cardiovascular and circulatory diseases | 65  | 21.9 (12.1, 35.7)    | 0.0017063 (0.0009410, 0.0027801) | 0.04827 (0.02773, 0.07370) | 28.4 (16.4, 44.5)    | 0.0021848 (0.0012582, 0.0034162) | 0.05955 (0.03562, 0.09083) |
| Bengkulu | Diabetes mellitus                             | 65  | 27.3 (18.1, 39.0)    | 0.0021236 (0.0014098, 0.0030384) | 0.06005 (0.04308, 0.08366) | 51.5 (34.8, 71.8)    | 0.0039552 (0.0026710, 0.0055187) | 0.10786 (0.07635, 0.14320) |
| Bengkulu | Chronic kidney disease                        | 65  | 15.8 (10.1, 23.3)    | 0.0012296 (0.0007905, 0.0018164) | 0.03475 (0.02396, 0.04855) | 14.6 (9.5, 20.8)     | 0.001121 (0.0007289, 0.0015985)  | 0.03058 (0.02075, 0.04323) |
| Bengkulu | Cirrhosis                                     | 65  | 14.0 (8.3, 21.7)     | 0.0010906 (0.0006487, 0.0016940) | 0.03082 (0.01912, 0.04546) | 11.3 (6.5, 18.1)     | 0.0008644 (0.0004979, 0.0013930) | 0.0236 (0.01405, 0.03758)  |
| Bengkulu | Chronic respiratory diseases                  | 65  | 37.6 (24.1, 55.0)    | 0.0029298 (0.0018807, 0.0042825) | 0.08277 (0.05661, 0.11273) | 30.1 (19.6, 44.3)    | 0.0023106 (0.0015066, 0.0034021) | 0.06299 (0.04317, 0.08823) |
| Bengkulu | Other non-communicable diseases               | 65  | 29.7 (20.0, 41.7)    | 0.0023158 (0.0015615, 0.0032469) | 0.06546 (0.04781, 0.08684) | 34.6 (24.7, 46.6)    | 0.0026594 (0.0018962, 0.0035798) | 0.07257 (0.05425, 0.09505) |
| Bengkulu | Drowning                                      | 65  | 0.6 (0.2, 1.4)       | 0.0000445 (0.0000148, 0.0001059) | 0.00126 (0.00042, 0.00296) | 0.5 (0.1, 1.1)       | 0.0000363 (0.0000104, 0.0000871) | 0.00099 (0.00029, 0.00233) |
| Bengkulu | Falls                                         | 65  | 4.3 (2.0, 8.3)       | 0.0003385 (0.0001528, 0.0006427) | 0.00958 (0.00441, 0.01724) | 3.7 (1.7, 6.9)       | 0.0002812 (0.0001319, 0.0005331) | 0.00767 (0.00361, 0.01416) |
| Bengkulu | Interpersonal violence                        | 65  | 0.4 (0.2, 0.9)       | 0.0000333 (0.0000133, 0.0000695) | 0.00094 (0.00039, 0.00191) | 0.3 (0.1, 0.6)       | 0.0000206 (0.0000080, 0.0000452) | 0.00056 (0.00022, 0.00122) |
| Bengkulu | Self-harm                                     | 65  | 1.3 (0.6, 2.4)       | 0.0001001 (0.0000478, 0.0001859) | 0.00284 (0.00139, 0.00528) | 0.6 (0.3, 1.2)       | 0.0000462 (0.0000208, 0.0000939) | 0.00126 (0.00059, 0.00247) |
| Bengkulu | Transport injuries                            | 65  | 7.4 (3.7, 12.8)      | 0.0005728 (0.0002896, 0.0009994) | 0.0162 (0.00872, 0.02820)  | 3.7 (1.8, 6.9)       | 0.0002837 (0.0001388, 0.0005305) | 0.00774 (0.00397, 0.01400) |
| Bengkulu | Other unintentional injuries                  | 65  | 4.4 (2.3, 7.6)       | 0.000342 (0.0001756, 0.0005926)  | 0.00969 (0.00525, 0.01687) | 2.3 (1.1, 4.1)       | 0.0001732 (0.0000821, 0.0003122) | 0.00473 (0.00233, 0.00843) |
| Bengkulu | Diarrheal diseases                            | 70  | 28.1 (16.0, 42.8)    | 0.0028363 (0.0016109, 0.0043175) | 0.05074 (0.03153, 0.07418) | 41.4 (27.1, 60.4)    | 0.0040055 (0.0026206, 0.0058408) | 0.06881 (0.04600, 0.09653) |
| Bengkulu | HIV/AIDS                                      | 70  | 0.1 (0.0, 0.3)       | 0.0000089 (0.0000019, 0.0000291) | 0.00016 (0.00003, 0.00048) | 0.1 (0.0, 0.3)       | 0.0000091 (0.0000020, 0.0000271) | 0.00016 (0.00003, 0.00048) |
| Bengkulu | Lower respiratory infections                  | 70  | 12.3 (5.2, 23.4)     | 0.0012451 (0.0005241, 0.0023596) | 0.02227 (0.00994, 0.04017) | 14.5 (6.6, 26.1)     | 0.0014031 (0.0006362, 0.0025234) | 0.0241 (0.01115, 0.04258)  |
| Bengkulu | Malaria                                       | 70  | 6.4 (1.8, 15.6)      | 0.0006449 (0.0001771, 0.0015750) | 0.01152 (0.00326, 0.02885) | 4.2 (1.0, 11.4)      | 0.0004052 (0.0000981, 0.0011007) | 0.00695 (0.00172, 0.01883) |
| Bengkulu | Tuberculosis                                  | 70  | 33.4 (19.4, 50.6)    | 0.0033745 (0.0019575, 0.0051075) | 0.06028 (0.03620, 0.08623) | 22.4 (12.5, 35.5)    | 0.002168 (0.0012069, 0.0034301)  | 0.0372 (0.02032, 0.05515)  |
| Bengkulu | Other communicable diseases                   | 70  | 11.1 (5.5, 18.7)     | 0.0011202 (0.0005567, 0.0018874) | 0.02006 (0.01011, 0.03245) | 13.2 (6.5, 22.4)     | 0.0012802 (0.0006287, 0.0021654) | 0.02199 (0.01090, 0.03524) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 70  | 10.8 (4.2, 22.1)     | 0.0010878 (0.0004271, 0.0022330) | 0.01951 (0.00780, 0.03927) | 3.2 (1.1, 6.8)       | 0.0003087 (0.0001083, 0.0006561) | 0.00531 (0.00199, 0.01128) |
| Bengkulu | Breast cancer                                 | 70  | 0.1 (0.0, 0.4)       | 0.0000137 (0.0000030, 0.0000379) | 0.00024 (0.00006, 0.00066) | 5.0 (2.0, 10.3)      | 0.0004883 (0.0001937, 0.0009942) | 0.00838 (0.00345, 0.01577) |
| Bengkulu | Cervical cancer                               | 70  |                      |                                  |                            | 3.3 (0.7, 8.0)       | 0.0003154 (0.0000711, 0.0007720) | 0.00543 (0.00121, 0.01360) |
| Bengkulu | Other malignant neoplasms                     | 70  | 9.0 (5.3, 14.6)      | 0.0009062 (0.0005361, 0.0014710) | 0.01622 (0.00993, 0.02593) | 10.6 (5.7, 18.1)     | 0.0010297 (0.0005466, 0.0017536) | 0.0177 (0.00968, 0.02983)  |
| Bengkulu | Cerebrovascular disease                       | 70  | 157.5 (116.1, 197.4) | 0.0158891 (0.0117116, 0.0199233) | 0.28427 (0.24291, 0.32809) | 196.8 (157.0, 242.0) | 0.0190412 (0.0151866, 0.0234133) | 0.32701 (0.28305, 0.37116) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Ischemic heart disease                        | 70  | 84.4 (58.3, 113.5)   | 0.0085218 (0.0058808, 0.0114523) | 0.15241 (0.11518, 0.19292) | 66.1 (45.6, 89.2)    | 0.0063929 (0.0044118, 0.0086306) | 0.1098 (0.08095, 0.14502)  |
| Bengkulu | Other cardiovascular and circulatory diseases | 70  | 28.8 (15.9, 46.1)    | 0.0029102 (0.0016025, 0.0046546) | 0.05212 (0.03011, 0.07978) | 38.2 (22.0, 59.7)    | 0.0036916 (0.0021307, 0.0057767) | 0.06339 (0.03827, 0.09591) |
| Bengkulu | Diabetes mellitus                             | 70  | 24.3 (15.7, 35.4)    | 0.0024479 (0.0015873, 0.0035744) | 0.04382 (0.03117, 0.06186) | 48.7 (32.4, 69.2)    | 0.0047151 (0.0031362, 0.0066966) | 0.081 (0.05611, 0.11003)   |
| Bengkulu | Chronic kidney disease                        | 70  | 16.4 (10.4, 24.0)    | 0.0016502 (0.0010467, 0.0024242) | 0.02952 (0.01989, 0.04191) | 15.7 (10.2, 22.2)    | 0.0015216 (0.0009851, 0.0021476) | 0.02615 (0.01767, 0.03710) |
| Bengkulu | Cirrhosis                                     | 70  | 14.2 (8.3, 22.3)     | 0.0014324 (0.0008364, 0.0022525) | 0.02562 (0.01567, 0.03789) | 12.1 (7.0, 19.5)     | 0.0011745 (0.0006782, 0.0018910) | 0.0202 (0.01201, 0.03202)  |
| Bengkulu | Chronic respiratory diseases                  | 70  | 55.9 (37.2, 80.5)    | 0.0056448 (0.0037490, 0.0081190) | 0.10096 (0.07218, 0.13524) | 44.6 (29.9, 64.2)    | 0.0043139 (0.0028972, 0.0062107) | 0.07407 (0.05208, 0.10303) |
| Bengkulu | Other non-communicable diseases               | 70  | 39.5 (27.2, 55.3)    | 0.0039887 (0.0027407, 0.0055845) | 0.07136 (0.05303, 0.09417) | 48.0 (34.4, 64.0)    | 0.0046391 (0.0033323, 0.0061917) | 0.07975 (0.05949, 0.10409) |
| Bengkulu | Drowning                                      | 70  | 1.1 (0.4, 2.6)       | 0.0001141 (0.0000428, 0.0002574) | 0.00204 (0.00079, 0.00445) | 1.0 (0.4, 2.1)       | 0.0000957 (0.0000345, 0.0002057) | 0.00164 (0.00059, 0.00351) |
| Bengkulu | Falls                                         | 70  | 5.7 (2.6, 10.4)      | 0.0005709 (0.0002588, 0.0010491) | 0.01022 (0.00457, 0.01817) | 5.0 (2.3, 9.1)       | 0.0004826 (0.0002262, 0.0008779) | 0.00829 (0.00392, 0.01459) |
| Bengkulu | Interpersonal violence                        | 70  | 0.4 (0.1, 0.8)       | 0.0000356 (0.0000128, 0.0000795) | 0.00064 (0.00024, 0.00143) | 0.2 (0.1, 0.5)       | 0.0000214 (0.0000074, 0.0000512) | 0.00037 (0.00013, 0.00088) |
| Bengkulu | Self-harm                                     | 70  | 1.2 (0.6, 2.4)       | 0.0001258 (0.0000579, 0.0002386) | 0.00226 (0.00107, 0.00418) | 0.6 (0.3, 1.2)       | 0.0000558 (0.0000243, 0.0001133) | 0.00096 (0.00042, 0.00194) |
| Bengkulu | Transport injuries                            | 70  | 8.2 (4.1, 15.0)      | 0.0008258 (0.0004093, 0.0015166) | 0.01478 (0.00764, 0.02670) | 4.2 (2.0, 8.3)       | 0.0004103 (0.0001935, 0.0008012) | 0.00705 (0.00333, 0.01353) |
| Bengkulu | Other unintentional injuries                  | 70  | 5.0 (2.5, 8.9)       | 0.0005005 (0.0002561, 0.0008972) | 0.00897 (0.00485, 0.01590) | 2.6 (1.2, 4.8)       | 0.000251 (0.0001178, 0.0004612)  | 0.00432 (0.00212, 0.00801) |
| Bengkulu | Diarrheal diseases                            | 75  | 23.3 (13.4, 35.1)    | 0.0046143 (0.0026486, 0.0069666) | 0.05868 (0.03764, 0.08496) | 39.6 (26.7, 56.6)    | 0.006719 (0.0045308, 0.0095975)  | 0.07511 (0.05179, 0.10382) |
| Bengkulu | HIV/AIDS                                      | 75  | - (0.0, 0.2)         | 0.0000096 (0.0000020, 0.0000302) | 0.00012 (0.00003, 0.00037) | 0.1 (0.0, 0.2)       | 0.0000103 (0.0000021, 0.0000318) | 0.00011 (0.00002, 0.00035) |
| Bengkulu | Lower respiratory infections                  | 75  | 9.2 (4.0, 16.8)      | 0.0018169 (0.0007885, 0.0033262) | 0.0231 (0.01028, 0.04075)  | 12.3 (5.4, 21.5)     | 0.0020812 (0.0009165, 0.0036487) | 0.02325 (0.01051, 0.04098) |
| Bengkulu | Malaria                                       | 75  | 4.5 (1.2, 11.7)      | 0.0008956 (0.0002393, 0.0023233) | 0.01137 (0.00306, 0.02787) | 3.6 (0.9, 9.8)       | 0.0006143 (0.0001528, 0.0016652) | 0.00686 (0.00170, 0.01840) |
| Bengkulu | Tuberculosis                                  | 75  | 20.1 (10.9, 31.6)    | 0.0039904 (0.0021689, 0.0062645) | 0.05066 (0.02963, 0.07457) | 16.3 (8.5, 26.5)     | 0.0027744 (0.0014362, 0.0044980) | 0.03098 (0.01628, 0.04766) |
| Bengkulu | Other communicable diseases                   | 75  | 7.4 (3.7, 12.6)      | 0.0014755 (0.0007244, 0.0024998) | 0.01879 (0.00931, 0.03119) | 10.1 (5.0, 16.3)     | 0.0017115 (0.0008456, 0.0027630) | 0.01913 (0.00963, 0.03109) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 75  | 5.9 (2.3, 11.8)      | 0.0011672 (0.0004515, 0.0023461) | 0.01488 (0.00576, 0.02995) | 2.1 (0.7, 4.8)       | 0.0003614 (0.0001224, 0.0008187) | 0.00404 (0.00142, 0.00910) |
| Bengkulu | Breast cancer                                 | 75  | 0.1 (0.0, 0.2)       | 0.0000123 (0.0000026, 0.0000375) | 0.00016 (0.00003, 0.00046) | 3.0 (1.2, 6.5)       | 0.000515 (0.0002102, 0.0011038)  | 0.00575 (0.00230, 0.01162) |
| Bengkulu | Cervical cancer                               | 75  |                      |                                  |                            | 1.7 (0.4, 4.2)       | 0.0002857 (0.0000645, 0.0007201) | 0.0032 (0.00074, 0.00821)  |
| Bengkulu | Other malignant neoplasms                     | 75  | 4.9 (2.8, 7.9)       | 0.0009631 (0.0005527, 0.0015758) | 0.01225 (0.00753, 0.01941) | 8.2 (4.5, 13.7)      | 0.0013946 (0.0007655, 0.0023296) | 0.0156 (0.00890, 0.02572)  |
| Bengkulu | Cerebrovascular disease                       | 75  | 113.4 (81.6, 145.5)  | 0.022478 (0.0161738, 0.0288477)  | 0.28587 (0.24340, 0.33199) | 173.8 (141.6, 209.9) | 0.0294911 (0.0240328, 0.0356250) | 0.32964 (0.28482, 0.37572) |
| Bengkulu | Ischemic heart disease                        | 75  | 65.6 (44.9, 89.0)    | 0.0130027 (0.0089030, 0.0176581) | 0.16528 (0.12654, 0.20831) | 64.3 (45.3, 85.9)    | 0.0109098 (0.0076903, 0.0145742) | 0.12193 (0.09027, 0.16071) |
| Bengkulu | Other cardiovascular and circulatory diseases | 75  | 21.3 (11.5, 34.4)    | 0.0042148 (0.0022773, 0.0068229) | 0.05365 (0.03084, 0.08166) | 35.1 (20.2, 55.1)    | 0.0059611 (0.0034289, 0.0093434) | 0.06661 (0.03985, 0.10198) |
| Bengkulu | Diabetes mellitus                             | 75  | 14.6 (9.2, 21.1)     | 0.0028866 (0.0018292, 0.0041868) | 0.03673 (0.02578, 0.05202) | 36.7 (25.0, 52.2)    | 0.0062309 (0.0042353, 0.0088658) | 0.06966 (0.04737, 0.09599) |
| Bengkulu | Chronic kidney disease                        | 75  | 10.5 (6.5, 15.6)     | 0.0020757 (0.0012900, 0.0031030) | 0.0264 (0.01801, 0.03707)  | 12.7 (8.2, 18.1)     | 0.0021594 (0.0013920, 0.0030685) | 0.02414 (0.01636, 0.03420) |
| Bengkulu | Cirrhosis                                     | 75  | 8.9 (5.1, 14.2)      | 0.0017714 (0.0010194, 0.0028236) | 0.02252 (0.01357, 0.03264) | 9.2 (5.4, 14.9)      | 0.0015641 (0.0009148, 0.0025295) | 0.0175 (0.01013, 0.02762)  |
| Bengkulu | Chronic respiratory diseases                  | 75  | 39.8 (26.1, 57.4)    | 0.0078852 (0.0051761, 0.0113761) | 0.10023 (0.07162, 0.13255) | 38.7 (26.4, 55.4)    | 0.0065616 (0.0044875, 0.0093956) | 0.07332 (0.05077, 0.10038) |
| Bengkulu | Other non-communicable diseases               | 75  | 32.6 (22.0, 46.0)    | 0.0064579 (0.0043693, 0.0091258) | 0.08212 (0.06108, 0.10719) | 48.8 (35.7, 64.5)    | 0.0082751 (0.0060554, 0.0109443) | 0.09257 (0.06962, 0.12025) |
| Bengkulu | Drowning                                      | 75  | 1.1 (0.4, 2.5)       | 0.0002253 (0.0000842, 0.0005049) | 0.00287 (0.00110, 0.00661) | 1.0 (0.4, 2.4)       | 0.0001761 (0.0000649, 0.0004038) | 0.00197 (0.00073, 0.00432) |
| Bengkulu | Falls                                         | 75  | 4.9 (2.3, 8.8)       | 0.0009622 (0.0004508, 0.0017532) | 0.01225 (0.00585, 0.02082) | 4.7 (2.3, 8.1)       | 0.0007902 (0.0003922, 0.0013763) | 0.00883 (0.00443, 0.01511) |
| Bengkulu | Interpersonal violence                        | 75  | 0.2 (0.1, 0.5)       | 0.000038 (0.0000112, 0.0000993)  | 0.00048 (0.00014, 0.00126) | 0.1 (0.0, 0.4)       | 0.0000245 (0.0000071, 0.0000688) | 0.00027 (0.00008, 0.00078) |
| Bengkulu | Self-harm                                     | 75  | 0.8 (0.3, 1.6)       | 0.0001629 (0.0000687, 0.0003110) | 0.00208 (0.00094, 0.00385) | 0.5 (0.2, 1.0)       | 0.0000791 (0.0000328, 0.0001684) | 0.00089 (0.00037, 0.00184) |
| Bengkulu | Transport injuries                            | 75  | 4.4 (2.0, 8.1)       | 0.0008627 (0.0004046, 0.0016085) | 0.01097 (0.00538, 0.02031) | 2.5 (1.1, 4.9)       | 0.0004274 (0.0001901, 0.0008374) | 0.00478 (0.00216, 0.00947) |
| Bengkulu | Other unintentional injuries                  | 75  | 3.4 (1.7, 6.0)       | 0.0006678 (0.0003334, 0.0011978) | 0.00852 (0.00441, 0.01563) | 2.0 (0.9, 3.8)       | 0.0003451 (0.0001562, 0.0006466) | 0.00386 (0.00182, 0.00731) |
| Bengkulu | Diarrheal diseases                            | 80  | 70.1 (44.6, 97.7)    | 0.0139594 (0.0088770, 0.0194760) | 0.09341 (0.06355, 0.12799) | 138.1 (98.6, 186.7)  | 0.0197399 (0.0140959, 0.0266855) | 0.11141 (0.08073, 0.14637) |
| Bengkulu | HIV/AIDS                                      | 80  | 0.1 (0.0, 0.3)       | 0.0000182 (0.0000031, 0.0000614) | 0.00012 (0.00002, 0.00042) | 0.1 (0.0, 0.5)       | 0.0000195 (0.0000033, 0.0000693) | 0.00011 (0.00002, 0.00038) |
| Bengkulu | Lower respiratory infections                  | 80  | 19.5 (8.7, 35.1)     | 0.0038933 (0.0017355, 0.0069852) | 0.02605 (0.01183, 0.04658) | 32.8 (15.0, 56.7)    | 0.004685 (0.0021391, 0.0081038)  | 0.02643 (0.01215, 0.04634) |
| Bengkulu | Malaria                                       | 80  | 9.1 (2.4, 24.8)      | 0.0018068 (0.0004766, 0.0049403) | 0.01208 (0.00320, 0.03194) | 8.1 (2.0, 23.5)      | 0.001157 (0.0002878, 0.0033594)  | 0.00653 (0.00160, 0.01916) |
| Bengkulu | Tuberculosis                                  | 80  | 34.4 (19.0, 53.1)    | 0.0068553 (0.0037823, 0.0105749) | 0.04583 (0.02573, 0.06866) | 33.7 (18.0, 55.1)    | 0.0048209 (0.0025659, 0.0078722) | 0.02719 (0.01419, 0.04316) |
| Bengkulu | Other communicable diseases                   | 80  | 15.3 (7.7, 26.2)     | 0.0030572 (0.0015273, 0.0052248) | 0.02047 (0.00988, 0.03440) | 24.6 (12.0, 41.9)    | 0.0035212 (0.0017106, 0.0059832) | 0.01987 (0.00965, 0.03365) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 80  | 8.6 (3.2, 17.9)      | 0.0017181 (0.0006365, 0.0035738) | 0.01152 (0.00422, 0.02478) | 4.0 (1.3, 9.1)       | 0.0005715 (0.0001911, 0.0012991) | 0.00323 (0.00110, 0.00733) |
| Bengkulu | Breast cancer                                 | 80  | 0.1 (0.0, 0.3)       | 0.0000173 (0.0000033, 0.0000530) | 0.00012 (0.00002, 0.00035) | 4.4 (1.6, 9.5)       | 0.0006295 (0.0002297, 0.0013528) | 0.00355 (0.00128, 0.00751) |
| Bengkulu | Cervical cancer                               | 80  |                      |                                  |                            | 2.3 (0.4, 6.1)       | 0.0003279 (0.0000615, 0.0008720) | 0.00185 (0.00034, 0.00495) |
| Bengkulu | Other malignant neoplasms                     | 80  | 7.5 (4.4, 12.0)      | 0.0014918 (0.0008724, 0.0024006) | 0.00999 (0.00595, 0.01597) | 14.8 (8.0, 24.4)     | 0.0021159 (0.0011489, 0.0034807) | 0.01195 (0.00667, 0.01953) |
| Bengkulu | Cerebrovascular disease                       | 80  | 212.2 (167.7, 261.6) | 0.042276 (0.0334176, 0.0521182)  | 0.28296 (0.24233, 0.32940) | 409.3 (346.2, 482.1) | 0.0584963 (0.0494781, 0.0689053) | 0.33016 (0.28723, 0.37542) |
| Bengkulu | Ischemic heart disease                        | 80  | 112.1 (80.7, 147.1)  | 0.0223336 (0.0160804, 0.0293172) | 0.14943 (0.11278, 0.19056) | 144.8 (103.9, 193.8) | 0.020699 (0.0148469, 0.0276949)  | 0.11683 (0.08563, 0.15428) |
| Bengkulu | Other cardiovascular and circulatory diseases | 80  | 37.7 (21.0, 59.5)    | 0.0075138 (0.0041901, 0.0118644) | 0.05031 (0.02811, 0.07699) | 74.8 (43.5, 116.2)   | 0.0106873 (0.0062192, 0.0166057) | 0.06031 (0.03585, 0.09157) |
| Bengkulu | Diabetes mellitus                             | 80  | 21.7 (14.4, 31.5)    | 0.0043295 (0.0028699, 0.0062692) | 0.02899 (0.01941, 0.04211) | 68.1 (44.9, 97.4)    | 0.0097354 (0.0064128, 0.0139136) | 0.05496 (0.03630, 0.07746) |
| Bengkulu | Chronic kidney disease                        | 80  | 16.2 (10.5, 24.1)    | 0.0032281 (0.0020853, 0.0047945) | 0.02161 (0.01439, 0.03119) | 24.0 (15.9, 34.6)    | 0.0034355 (0.0022655, 0.0049389) | 0.0194 (0.01288, 0.02771)  |
| Bengkulu | Cirrhosis                                     | 80  | 14.0 (8.2, 21.3)     | 0.0027928 (0.0016402, 0.0042446) | 0.01869 (0.01120, 0.02823) | 18.3 (10.0, 29.5)    | 0.0026165 (0.0014296, 0.0042202) | 0.01477 (0.00825, 0.02418) |
| Bengkulu | Chronic respiratory diseases                  | 80  | 76.3 (52.9, 106.5)   | 0.0152057 (0.0105492, 0.0212283) | 0.10175 (0.07337, 0.13502) | 86.4 (58.7, 122.1)   | 0.012351 (0.0083899, 0.0174508)  | 0.06971 (0.04803, 0.09613) |
| Bengkulu | Other non-communicable diseases               | 80  | 67.7 (49.0, 91.8)    | 0.0134887 (0.0097563, 0.0182846) | 0.09026 (0.06663, 0.11685) | 124.8 (93.8, 161.1)  | 0.017843 (0.0134027, 0.0230311)  | 0.10077 (0.07601, 0.13063) |
| Bengkulu | Drowning                                      | 80  | 2.0 (0.7, 4.8)       | 0.0003987 (0.0001455, 0.0009478) | 0.00267 (0.00096, 0.00624) | 2.4 (0.8, 5.5)       | 0.0003391 (0.0001074, 0.0007843) | 0.00191 (0.00062, 0.00427) |
| Bengkulu | Falls                                         | 80  | 11.2 (5.5, 19.1)     | 0.0022403 (0.0011058, 0.0037974) | 0.015 (0.00750, 0.02516)   | 13.6 (7.2, 22.8)     | 0.001942 (0.0010324, 0.0032570)  | 0.01096 (0.00580, 0.01830) |
| Bengkulu | Interpersonal violence                        | 80  | 0.3 (0.1, 0.9)       | 0.0000538 (0.0000103, 0.0001749) | 0.00036 (0.00007, 0.00118) | 0.2 (0.0, 0.8)       | 0.0000338 (0.0000069, 0.0001139) | 0.00019 (0.00004, 0.00064) |
| Bengkulu | Self-harm                                     | 80  | 1.4 (0.6, 3.1)       | 0.0002782 (0.0001139, 0.0006093) | 0.00186 (0.00077, 0.00413) | 0.9 (0.3, 2.1)       | 0.0001294 (0.0000500, 0.0002974) | 0.00073 (0.00028, 0.00171) |
| Bengkulu | Transport injuries                            | 80  | 6.7 (2.9, 13.1)      | 0.0013366 (0.0005833, 0.0026027) | 0.00894 (0.00398, 0.01706) | 4.8 (1.9, 9.7)       | 0.0006856 (0.0002721, 0.0013858) | 0.00387 (0.00158, 0.00780) |
| Bengkulu | Other unintentional injuries                  | 80  | 5.7 (2.8, 10.6)      | 0.001129 (0.0005575, 0.0021197)  | 0.00757 (0.00371, 0.01406) | 4.1 (1.8, 8.0)       | 0.0005884 (0.0002642, 0.0011457) | 0.00332 (0.00150, 0.00675) |



Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                    |                                  |                             | Females                    |                                  |                            |
|----------|----------------------------------------------------------|-----|--------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Bengkulu | Diarrheal diseases                                       | All | 283.4 (179.4, 408.8)     | 0.0003004 (0.0001902, 0.0004334) | 0.04848 (0.03213, 0.06977)  | 424.5 (287.6, 595.9)       | 0.0004686 (0.0003175, 0.0006578) | 0.06817 (0.04726, 0.09296) |
| Bengkulu | HIV/AIDS                                                 | All | 11.3 (2.9, 29.0)         | 0.0000119 (0.0000031, 0.0000307) | 0.00192 (0.00050, 0.00480)  | 9.0 (2.3, 23.1)            | 0.0000099 (0.0000026, 0.0000255) | 0.00144 (0.00038, 0.00378) |
| Bengkulu | Lower respiratory infections                             | All | 175.2 (101.0, 276.5)     | 0.0001858 (0.0001070, 0.0002932) | 0.02996 (0.01750, 0.04596)  | 164.2 (93.3, 257.5)        | 0.0001813 (0.0001030, 0.0002842) | 0.02637 (0.01504, 0.04158) |
| Bengkulu | Malaria                                                  | All | 97.7 (31.1, 225.9)       | 0.0001036 (0.0000329, 0.0002395) | 0.01666 (0.00548, 0.03761)  | 73.8 (22.1, 173.5)         | 0.0000815 (0.0000244, 0.0001915) | 0.01183 (0.00360, 0.02769) |
| Bengkulu | Tuberculosis                                             | All | 355.2 (219.5, 524.5)     | 0.0003766 (0.0002327, 0.0005560) | 0.0606 (0.03856, 0.08408)   | 238.0 (139.3, 369.3)       | 0.0002627 (0.0001538, 0.0004077) | 0.03811 (0.02243, 0.05594) |
| Bengkulu | Maternal disorders                                       | All |                          |                                  |                             | 53.6 (32.9, 80.1)          | 0.0000592 (0.0000363, 0.0000884) | 0.00859 (0.00554, 0.01215) |
| Bengkulu | Neonatal encephalopathy due to birth asphyxia and trauma | All | 105.2 (51.9, 173.0)      | 0.0001115 (0.0000550, 0.0001834) | 0.01795 (0.00894, 0.02948)  | 64.7 (30.8, 112.3)         | 0.0000715 (0.0000340, 0.0001239) | 0.01038 (0.00515, 0.01832) |
| Bengkulu | Preterm birth complications                              | All | 101.7 (44.5, 173.7)      | 0.0001078 (0.0000472, 0.0001842) | 0.01735 (0.00784, 0.02968)  | 84.3 (40.3, 148.6)         | 0.0000931 (0.0000445, 0.0001640) | 0.01352 (0.00641, 0.02328) |
| Bengkulu | Other neonatal disorders                                 | All | 42.6 (14.2, 89.1)        | 0.0000452 (0.0000151, 0.0000945) | 0.00729 (0.00242, 0.01526)  | 25.9 (7.9, 57.8)           | 0.0000286 (0.0000087, 0.0000638) | 0.00415 (0.00125, 0.00907) |
| Bengkulu | Other communicable diseases                              | All | 276.0 (164.8, 400.3)     | 0.0002926 (0.0001747, 0.0004244) | 0.04723 (0.02919, 0.06697)  | 255.9 (146.2, 372.9)       | 0.0002825 (0.0001614, 0.0004116) | 0.04108 (0.02404, 0.05881) |
| Bengkulu | Tracheal, bronchus, and lung cancer                      | All | 96.7 (40.6, 189.1)       | 0.0001025 (0.0000430, 0.0002005) | 0.01654 (0.00697, 0.03239)  | 44.5 (16.8, 94.4)          | 0.0000491 (0.0000186, 0.0001042) | 0.00712 (0.00286, 0.01491) |
| Bengkulu | Breast cancer                                            | All | 1.9 (0.6, 4.8)           | 0.000002 (0.0000006, 0.0000050)  | 0.00033 (0.000011, 0.00076) | 145.0 (74.2, 257.4)        | 0.00016 (0.0000819, 0.0002842)   | 0.02319 (0.01209, 0.03919) |
| Bengkulu | Cervical cancer                                          | All |                          |                                  |                             | 73.3 (19.7, 161.2)         | 0.000081 (0.0000217, 0.0001780)  | 0.01177 (0.00307, 0.02626) |
| Bengkulu | Other malignant neoplasms                                | All | 170.4 (103.6, 270.7)     | 0.0001806 (0.0001099, 0.0002870) | 0.0291 (0.01827, 0.04441)   | 166.6 (92.4, 276.1)        | 0.0001839 (0.0001020, 0.0003048) | 0.02672 (0.01533, 0.04366) |
| Bengkulu | Cerebrovascular disease                                  | All | 1,136.6 (866.0, 1,443.3) | 0.0012051 (0.0009182, 0.0015301) | 0.19411 (0.16257, 0.22859)  | 1,500.9 (1,191.8, 1,846.0) | 0.001657 (0.0013158, 0.0020379)  | 0.24074 (0.20712, 0.27920) |
| Bengkulu | Ischemic heart disease                                   | All | 728.7 (511.4, 989.5)     | 0.0007726 (0.0005422, 0.0010491) | 0.1244 (0.09388, 0.15752)   | 579.4 (406.2, 782.3)       | 0.0006397 (0.0004484, 0.0008636) | 0.09295 (0.06715, 0.12299) |
| Bengkulu | Other cardiovascular and circulatory diseases            | All | 206.8 (113.9, 331.3)     | 0.0002192 (0.0001208, 0.0003512) | 0.03533 (0.02029, 0.05473)  | 298.3 (172.3, 467.7)       | 0.0003294 (0.0001903, 0.0005164) | 0.04786 (0.02844, 0.07351) |
| Bengkulu | Diabetes mellitus                                        | All | 253.7 (173.4, 365.7)     | 0.000269 (0.0001839, 0.0003877)  | 0.04335 (0.03084, 0.05994)  | 494.0 (337.7, 696.9)       | 0.0005453 (0.0003729, 0.0007694) | 0.07919 (0.05718, 0.10493) |
| Bengkulu | Chronic kidney disease                                   | All | 195.5 (127.4, 289.1)     | 0.0002073 (0.0001350, 0.0003065) | 0.03339 (0.02315, 0.04639)  | 196.6 (127.9, 272.6)       | 0.000217 (0.0001412, 0.0003009)  | 0.03153 (0.02158, 0.04379) |
| Bengkulu | Cirrhosis                                                | All | 195.6 (117.1, 303.1)     | 0.0002074 (0.0001242, 0.0003214) | 0.03339 (0.02086, 0.04889)  | 153.1 (90.2, 242.2)        | 0.000169 (0.0000995, 0.0002674)  | 0.02456 (0.01498, 0.03792) |
| Bengkulu | Chronic respiratory diseases                             | All | 365.5 (239.6, 530.1)     | 0.0003875 (0.0002541, 0.0005620) | 0.06241 (0.04245, 0.08553)  | 316.5 (209.6, 462.4)       | 0.0003494 (0.0002314, 0.0005105) | 0.05077 (0.03400, 0.07158) |
| Bengkulu | Other non-communicable diseases                          | All | 467.3 (343.4, 616.2)     | 0.0004955 (0.0003641, 0.0006533) | 0.07984 (0.06118, 0.10033)  | 574.8 (436.1, 738.8)       | 0.0006346 (0.0004815, 0.0008156) | 0.0923 (0.07257, 0.11572)  |
| Bengkulu | Drowning                                                 | All | 57.5 (33.0, 97.2)        | 0.000061 (0.0000350, 0.0001030)  | 0.00985 (0.00571, 0.01647)  | 25.0 (13.2, 45.0)          | 0.0000276 (0.0000145, 0.0000497) | 0.00401 (0.00209, 0.00713) |
| Bengkulu | Falls                                                    | All | 64.3 (31.5, 112.7)       | 0.0000682 (0.0000334, 0.0001195) | 0.011 (0.00551, 0.01874)    | 51.0 (25.6, 91.0)          | 0.0000562 (0.0000281, 0.0001004) | 0.00817 (0.00406, 0.01394) |
| Bengkulu | Interpersonal violence                                   | All | 21.0 (12.3, 34.0)        | 0.0000222 (0.0000130, 0.0000361) | 0.00358 (0.00213, 0.00560)  | 15.9 (8.7, 27.9)           | 0.0000176 (0.0000096, 0.0000308) | 0.00255 (0.00143, 0.00430) |
| Bengkulu | Self-harm                                                | All | 33.6 (18.7, 55.4)        | 0.0000356 (0.0000199, 0.0000588) | 0.00573 (0.00321, 0.00909)  | 20.8 (11.0, 34.5)          | 0.000023 (0.0000122, 0.0000381)  | 0.00334 (0.00178, 0.00552) |
| Bengkulu | Transport injuries                                       | All | 282.1 (181.2, 427.2)     | 0.0002991 (0.0001921, 0.0004529) | 0.04817 (0.03199, 0.07073)  | 121.7 (69.3, 202.1)        | 0.0001344 (0.0000766, 0.0002232) | 0.0195 (0.01173, 0.03119)  |
| Bengkulu | Other unintentional injuries                             | All | 128.8 (76.9, 205.3)      | 0.0001365 (0.0000815, 0.0002177) | 0.02204 (0.01355, 0.03396)  | 62.8 (34.1, 106.6)         | 0.0000693 (0.0000376, 0.0001177) | 0.01007 (0.00571, 0.01648) |
| Lampung  | Diarrheal diseases                                       | NN  | 20.3 (7.9, 38.0)         | 0.0031385 (0.0012257, 0.0058876) | 0.01445 (0.00856, 0.02210)  | 15.6 (6.3, 31.5)           | 0.0024335 (0.0009835, 0.0048972) | 0.01594 (0.00941, 0.02500) |
| Lampung  | Lower respiratory infections                             | NN  | 144.7 (68.4, 244.6)      | 0.0224293 (0.0106051, 0.0379085) | 0.10339 (0.07779, 0.13337)  | 82.7 (38.7, 144.7)         | 0.0128595 (0.0060143, 0.0224955) | 0.08417 (0.06268, 0.11051) |
| Lampung  | Malaria                                                  | NN  | 0.7 (0.1, 2.6)           | 0.0001104 (0.0000188, 0.0004029) | 0.00051 (0.00011, 0.00166)  | 0.4 (0.1, 1.4)             | 0.0000622 (0.0000101, 0.0002254) | 0.00041 (0.00008, 0.00131) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 440.4 (208.1, 734.4)     | 0.0682475 (0.0322526, 0.1138027) | 0.31354 (0.24887, 0.38649)  | 281.5 (140.2, 490.9)       | 0.0437838 (0.0218074, 0.0763460) | 0.28621 (0.22062, 0.35621) |
| Lampung  | Preterm birth complications                              | NN  | 379.7 (172.1, 646.1)     | 0.0588358 (0.0266702, 0.1001166) | 0.27067 (0.19068, 0.35146)  | 315.6 (156.1, 534.8)       | 0.0490744 (0.0242726, 0.0831624) | 0.32132 (0.23755, 0.40956) |
| Lampung  | Other neonatal disorders                                 | NN  | 127.3 (41.5, 290.7)      | 0.0197205 (0.0064352, 0.0450475) | 0.09085 (0.03977, 0.16965)  | 76.6 (23.2, 178.5)         | 0.0119073 (0.0036017, 0.0277550) | 0.07795 (0.03029, 0.15359) |
| Lampung  | Other communicable diseases                              | NN  | 19.1 (7.2, 38.3)         | 0.0029588 (0.0011134, 0.0059275) | 0.01365 (0.00758, 0.02239)  | 10.3 (3.9, 22.0)           | 0.001608 (0.0006100, 0.0034216)  | 0.01056 (0.00561, 0.01769) |
| Lampung  | Other malignant neoplasms                                | NN  | 8.4 (3.1, 17.9)          | 0.0013053 (0.0004775, 0.0027807) | 0.00602 (0.00306, 0.01038)  | 6.3 (2.3, 13.2)            | 0.0009857 (0.0003538, 0.0020539) | 0.00644 (0.00324, 0.01140) |
| Lampung  | Cerebrovascular disease                                  | NN  | 3.3 (0.8, 8.5)           | 0.0005149 (0.0001272, 0.0013228) | 0.00235 (0.00078, 0.00519)  | 3.3 (0.9, 9.0)             | 0.0005137 (0.0001358, 0.0014071) | 0.00333 (0.00111, 0.00733) |
| Lampung  | Other cardiovascular and circulatory diseases            | NN  | 2.7 (0.6, 6.9)           | 0.0004147 (0.0000949, 0.0010759) | 0.00191 (0.00055, 0.00471)  | 2.5 (0.6, 7.0)             | 0.0003926 (0.0000894, 0.0010883) | 0.00256 (0.00075, 0.00618) |
| Lampung  | Diabetes mellitus                                        | NN  | 0.7 (0.0, 4.9)           | 0.0001058 (0.0000005, 0.0007539) | 0.00047 (0.00000, 0.00379)  | 0.9 (0.0, 7.7)             | 0.0001405 (0.0000007, 0.0012025) | 0.00093 (0.00001, 0.00718) |
| Lampung  | Other non-communicable diseases                          | NN  | 201.0 (99.3, 325.1)      | 0.0311467 (0.0153844, 0.0503805) | 0.14328 (0.12113, 0.16827)  | 171.6 (88.7, 287.9)        | 0.0266819 (0.0137918, 0.0447654) | 0.17445 (0.14673, 0.20175) |
| Lampung  | Drowning                                                 | NN  | 11.4 (4.0, 24.1)         | 0.0017713 (0.0006180, 0.0037318) | 0.00815 (0.00381, 0.01502)  | 2.5 (0.8, 5.9)             | 0.000396 (0.0001278, 0.0009247)  | 0.00259 (0.00111, 0.00497) |
| Lampung  | Falls                                                    | NN  | 4.7 (1.2, 11.0)          | 0.0007331 (0.0001833, 0.0017117) | 0.00334 (0.00128, 0.00661)  | 1.4 (0.4, 3.6)             | 0.0002225 (0.0000593, 0.0005633) | 0.00145 (0.00053, 0.00301) |
| Lampung  | Interpersonal violence                                   | NN  | 3.5 (0.9, 8.7)           | 0.0005431 (0.0001370, 0.0013425) | 0.00249 (0.00092, 0.00521)  | 1.8 (0.5, 4.7)             | 0.0002837 (0.0000765, 0.0007275) | 0.00184 (0.00063, 0.00377) |
| Lampung  | Transport injuries                                       | NN  | 9.6 (3.3, 21.5)          | 0.0014901 (0.0005100, 0.0033385) | 0.00687 (0.00330, 0.01275)  | 2.2 (0.7, 4.9)             | 0.0003353 (0.0001093, 0.0007585) | 0.00221 (0.00100, 0.00425) |
| Lampung  | Other unintentional injuries                             | NN  | 25.3 (9.6, 52.0)         | 0.0039277 (0.0014915, 0.0080535) | 0.01806 (0.01009, 0.03043)  | 7.5 (2.9, 15.9)            | 0.0011741 (0.0004539, 0.0024790) | 0.00765 (0.00432, 0.01312) |
| Lampung  | Diarrheal diseases                                       | PNN | 231.5 (107.5, 403.0)     | 0.0028744 (0.0013343, 0.0050032) | 0.26396 (0.19704, 0.33774)  | 274.4 (130.6, 482.6)       | 0.0034184 (0.0016272, 0.0060131) | 0.31753 (0.24612, 0.39147) |
| Lampung  | HIV/AIDS                                                 | PNN | 7.8 (1.8, 23.1)          | 0.0000963 (0.0000221, 0.0002868) | 0.00886 (0.00247, 0.02465)  | 6.5 (1.4, 18.7)            | 0.0000814 (0.0000171, 0.0002332) | 0.00756 (0.00194, 0.02112) |
| Lampung  | Lower respiratory infections                             | PNN | 139.3 (66.6, 230.5)      | 0.0017288 (0.0008266, 0.0028616) | 0.15927 (0.12375, 0.20047)  | 117.2 (55.5, 208.3)        | 0.0014603 (0.0006917, 0.0025958) | 0.13554 (0.10351, 0.17387) |
| Lampung  | Malaria                                                  | PNN | 7.9 (1.6, 27.5)          | 0.0000985 (0.0000194, 0.0003410) | 0.00907 (0.00202, 0.02944)  | 6.9 (1.2, 23.4)            | 0.0000856 (0.0000150, 0.0002910) | 0.00791 (0.00182, 0.02593) |
| Lampung  | Tuberculosis                                             | PNN | 16.2 (6.3, 33.8)         | 0.0002008 (0.0000777, 0.0004197) | 0.01847 (0.00964, 0.02966)  | 14.4 (5.4, 32.0)           | 0.000179 (0.0000676, 0.0003981)  | 0.01655 (0.00863, 0.02832) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 14.1 (3.8, 37.3)         | 0.0001748 (0.0000478, 0.0004629) | 0.01597 (0.00548, 0.03699)  | 12.3 (3.2, 33.0)           | 0.0001537 (0.0000397, 0.0004108) | 0.01433 (0.00490, 0.03328) |
| Lampung  | Preterm birth complications                              | PNN | 30.0 (10.2, 66.2)        | 0.000373 (0.0001263, 0.0008221)  | 0.03444 (0.01653, 0.07048)  | 40.2 (14.0, 91.0)          | 0.0005007 (0.0001748, 0.0011340) | 0.04644 (0.02138, 0.09139) |
| Lampung  | Other neonatal disorders                                 | PNN | 13.5 (2.9, 37.5)         | 0.0001679 (0.0000355, 0.0004660) | 0.01538 (0.00439, 0.03697)  | 11.7 (2.4, 33.5)           | 0.0001456 (0.0000302, 0.0004175) | 0.01361 (0.00354, 0.03820) |
| Lampung  | Other communicable diseases                              | PNN | 241.5 (115.2, 409.7)     | 0.0029977 (0.0014308, 0.0050859) | 0.27591 (0.20754, 0.34224)  | 201.3 (98.0, 362.0)        | 0.0025087 (0.0012205, 0.0045101) | 0.23327 (0.16611, 0.29836) |
| Lampung  | Other malignant neoplasms                                | PNN | 5.0 (1.9, 10.6)          | 0.000062 (0.0000238, 0.0001312)  | 0.00572 (0.00292, 0.00993)  | 5.3 (2.0, 10.9)            | 0.000066 (0.0000243, 0.0001356)  | 0.00615 (0.00313, 0.01085) |
| Lampung  | Cerebrovascular disease                                  | PNN | 2.0 (0.5, 5.2)           | 0.0000245 (0.0000063, 0.0000641) | 0.00224 (0.00074, 0.00481)  | 2.8 (0.8, 7.6)             | 0.0000346 (0.0000096, 0.0000949) | 0.0032 (0.00109, 0.00695)  |
| Lampung  | Ischemic heart disease                                   | PNN | 0.6 (0.0, 2.8)           | 0.000007 (0.0000005, 0.0000344)  | 0.00065 (0.00005, 0.00312)  | 0.9 (0.1, 4.0)             | 0.0000109 (0.0000007, 0.0000503) | 0.001 (0.00007, 0.00456)   |
| Lampung  | Other cardiovascular and circulatory diseases            | PNN | 1.6 (0.4, 4.2)           | 0.0000198 (0.0000048, 0.0000523) | 0.00181 (0.00053, 0.00443)  | 2.1 (0.5, 6.0)             | 0.0000265 (0.0000064, 0.0000748) | 0.00244 (0.00072, 0.00589) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males               |                                  |                            | Females             |                                  |                            |
|----------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung  | Diabetes mellitus                                        | PNN | 0.4 (0.0, 2.9)      | 0.000049 (0.000000, 0.0000360)   | 0.00045 (0.00000, 0.00363) | 0.8 (0.0, 5.6)      | 0.000097 (0.000000, 0.0000699)   | 0.00089 (0.00000, 0.00688) |
| Lampung  | Chronic kidney disease                                   | PNN | 7.5 (2.7, 15.4)     | 0.000093 (0.0000336, 0.0001913)  | 0.00857 (0.00410, 0.01589) | 8.7 (3.0, 18.0)     | 0.0001085 (0.0000369, 0.0002240) | 0.01012 (0.00463, 0.01923) |
| Lampung  | Other non-communicable diseases                          | PNN | 118.8 (57.8, 197.0) | 0.0014747 (0.0007174, 0.0024453) | 0.13559 (0.11419, 0.15879) | 143.1 (70.9, 242.7) | 0.0017827 (0.0008838, 0.0030241) | 0.16569 (0.13810, 0.19314) |
| Lampung  | Drowning                                                 | PNN | 8.3 (3.1, 16.7)     | 0.0001027 (0.0000382, 0.0002079) | 0.00949 (0.00464, 0.01675) | 2.6 (0.8, 5.8)      | 0.0000328 (0.0000104, 0.0000719) | 0.00305 (0.00137, 0.00563) |
| Lampung  | Falls                                                    | PNN | 3.3 (0.9, 7.4)      | 0.0000408 (0.0000113, 0.0000923) | 0.00373 (0.00149, 0.00729) | 1.4 (0.4, 3.4)      | 0.0000177 (0.0000049, 0.0000418) | 0.00164 (0.00061, 0.00332) |
| Lampung  | Interpersonal violence                                   | PNN | 2.4 (0.7, 5.7)      | 0.0000295 (0.0000089, 0.0000713) | 0.00271 (0.00104, 0.00559) | 1.8 (0.5, 4.3)      | 0.0000219 (0.0000065, 0.0000537) | 0.00203 (0.00071, 0.00408) |
| Lampung  | Transport injuries                                       | PNN | 6.9 (2.5, 14.8)     | 0.0000853 (0.0000311, 0.0001844) | 0.00788 (0.00393, 0.01432) | 2.2 (0.7, 4.7)      | 0.0000275 (0.0000093, 0.0000591) | 0.00256 (0.00121, 0.00477) |
| Lampung  | Other unintentional injuries                             | PNN | 17.3 (7.4, 34.5)    | 0.0002152 (0.0000914, 0.0004279) | 0.01982 (0.01157, 0.03208) | 7.3 (2.9, 14.5)     | 0.0000914 (0.0000362, 0.0001809) | 0.00848 (0.00489, 0.01405) |
| Lampung  | Diarrheal diseases                                       | 1   | 50.2 (19.7, 109.7)  | 0.0001351 (0.0000531, 0.0002956) | 0.14466 (0.10219, 0.19874) | 53.7 (23.0, 108.2)  | 0.0001522 (0.0000652, 0.0003067) | 0.1912 (0.13867, 0.25608)  |
| Lampung  | HIV/AIDS                                                 | 1   | 3.9 (0.7, 11.9)     | 0.0000105 (0.0000018, 0.0000322) | 0.0112 (0.00294, 0.03122)  | 3.0 (0.6, 8.7)      | 0.0000084 (0.0000016, 0.0000248) | 0.01057 (0.00277, 0.02929) |
| Lampung  | Lower respiratory infections                             | 1   | 68.2 (26.9, 142.0)  | 0.0001836 (0.0000724, 0.0003824) | 0.19612 (0.15396, 0.24298) | 52.0 (22.7, 104.2)  | 0.0001474 (0.0000645, 0.0002955) | 0.1852 (0.14108, 0.23516)  |
| Lampung  | Malaria                                                  | 1   | 1.4 (0.2, 5.2)      | 0.0000038 (0.0000006, 0.0000140) | 0.004 (0.00090, 0.01295)   | 1.1 (0.2, 3.9)      | 0.0000031 (0.0000005, 0.0000112) | 0.00386 (0.00092, 0.01261) |
| Lampung  | Tuberculosis                                             | 1   | 8.5 (2.7, 19.6)     | 0.000023 (0.0000074, 0.0000528)  | 0.02452 (0.01324, 0.03942) | 6.9 (2.4, 16.1)     | 0.0000196 (0.0000067, 0.0000457) | 0.02437 (0.01308, 0.04006) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.5 (0.8, 9.7)      | 0.0000094 (0.0000022, 0.0000262) | 0.00996 (0.00327, 0.02305) | 2.6 (0.6, 7.5)      | 0.0000075 (0.0000018, 0.0000213) | 0.00933 (0.00301, 0.02058) |
| Lampung  | Preterm birth complications                              | 1   | 1.5 (0.2, 5.4)      | 0.0000039 (0.0000006, 0.0000144) | 0.00424 (0.00091, 0.01401) | 1.7 (0.3, 5.9)      | 0.0000047 (0.0000007, 0.0000167) | 0.00598 (0.00117, 0.01978) |
| Lampung  | Other neonatal disorders                                 | 1   | 0.5 (0.0, 3.2)      | 0.0000013 (0.0000000, 0.0000086) | 0.00144 (0.00001, 0.00990) | 0.3 (0.0, 2.2)      | 0.000001 (0.0000000, 0.0000063)  | 0.00131 (0.00001, 0.00903) |
| Lampung  | Other communicable diseases                              | 1   | 113.1 (47.2, 225.1) | 0.0003045 (0.0001271, 0.0006063) | 0.32515 (0.26013, 0.38568) | 87.0 (36.9, 168.7)  | 0.0002467 (0.0001047, 0.0004785) | 0.30904 (0.24226, 0.37463) |
| Lampung  | Other malignant neoplasms                                | 1   | 1.7 (0.5, 4.3)      | 0.0000046 (0.0000015, 0.0000115) | 0.00489 (0.00241, 0.00872) | 1.7 (0.6, 4.2)      | 0.0000049 (0.0000016, 0.0000118) | 0.00614 (0.00310, 0.01091) |
| Lampung  | Cerebrovascular disease                                  | 1   | 0.7 (0.2, 1.9)      | 0.000002 (0.0000005, 0.0000052)  | 0.00209 (0.00068, 0.00464) | 1.0 (0.2, 2.6)      | 0.0000028 (0.0000007, 0.0000075) | 0.00347 (0.00121, 0.00763) |
| Lampung  | Ischemic heart disease                                   | 1   | 0.2 (0.0, 1.1)      | 0.0000006 (0.0000000, 0.0000028) | 0.00062 (0.00004, 0.00296) | 0.3 (0.0, 1.5)      | 0.0000009 (0.0000001, 0.0000041) | 0.00111 (0.00008, 0.00500) |
| Lampung  | Other cardiovascular and circulatory diseases            | 1   | 0.5 (0.1, 1.7)      | 0.0000015 (0.0000003, 0.0000045) | 0.00159 (0.00045, 0.00389) | 0.7 (0.2, 2.1)      | 0.000002 (0.0000005, 0.0000061)  | 0.00249 (0.00071, 0.00603) |
| Lampung  | Diabetes mellitus                                        | 1   | 0.1 (0.0, 1.0)      | 0.0000003 (0.0000000, 0.0000027) | 0.00039 (0.00000, 0.00304) | 0.3 (0.0, 2.0)      | 0.0000007 (0.0000000, 0.0000057) | 0.00089 (0.00001, 0.00694) |
| Lampung  | Chronic kidney disease                                   | 1   | 2.5 (0.8, 6.0)      | 0.0000066 (0.0000020, 0.0000163) | 0.00708 (0.00337, 0.01307) | 2.7 (0.8, 6.4)      | 0.0000077 (0.0000024, 0.0000181) | 0.00974 (0.00461, 0.01817) |
| Lampung  | Cirrhosis                                                | 1   | 3.8 (1.0, 9.7)      | 0.0000102 (0.0000028, 0.0000260) | 0.01101 (0.00431, 0.02260) | 2.2 (0.6, 5.5)      | 0.0000063 (0.0000017, 0.0000155) | 0.0079 (0.00305, 0.01659)  |
| Lampung  | Chronic respiratory diseases                             | 1   | 6.2 (1.9, 14.3)     | 0.0000167 (0.0000051, 0.0000386) | 0.0179 (0.00784, 0.03168)  | 2.8 (0.8, 6.7)      | 0.0000078 (0.0000022, 0.0000189) | 0.00982 (0.00398, 0.01925) |
| Lampung  | Other non-communicable diseases                          | 1   | 40.3 (15.8, 84.6)   | 0.0001085 (0.0000424, 0.0002279) | 0.11602 (0.09307, 0.14205) | 46.3 (20.6, 91.9)   | 0.0001314 (0.0000585, 0.0002607) | 0.16508 (0.13614, 0.19903) |
| Lampung  | Drowning                                                 | 1   | 12.0 (3.8, 28.2)    | 0.0000322 (0.0000101, 0.0000760) | 0.03437 (0.01774, 0.05670) | 3.6 (1.2, 8.2)      | 0.0000102 (0.0000033, 0.0000234) | 0.0127 (0.00603, 0.02196)  |
| Lampung  | Falls                                                    | 1   | 3.2 (0.8, 8.1)      | 0.0000088 (0.0000023, 0.0000219) | 0.00934 (0.00388, 0.01788) | 1.3 (0.3, 3.2)      | 0.0000037 (0.0000010, 0.0000090) | 0.0047 (0.00181, 0.00977)  |
| Lampung  | Interpersonal violence                                   | 1   | 1.9 (0.6, 4.8)      | 0.0000052 (0.0000015, 0.0000129) | 0.00557 (0.00228, 0.01060) | 1.3 (0.4, 3.3)      | 0.0000038 (0.0000011, 0.0000093) | 0.00478 (0.00188, 0.00961) |
| Lampung  | Transport injuries                                       | 1   | 8.7 (2.8, 19.7)     | 0.0000235 (0.0000074, 0.0000531) | 0.02522 (0.01323, 0.04310) | 2.6 (0.9, 6.2)      | 0.0000075 (0.0000025, 0.0000176) | 0.00943 (0.00459, 0.01706) |
| Lampung  | Other unintentional injuries                             | 1   | 14.8 (5.2, 32.8)    | 0.0000399 (0.0000140, 0.0000883) | 0.0426 (0.02561, 0.06549)  | 5.9 (2.1, 12.7)     | 0.0000167 (0.0000060, 0.0000359) | 0.02089 (0.01202, 0.03293) |
| Lampung  | Diarrheal diseases                                       | 5   | 28.7 (18.8, 41.1)   | 0.0000702 (0.0000461, 0.0001006) | 0.10243 (0.06820, 0.14054) | 26.8 (18.5, 37.2)   | 0.0000705 (0.0000485, 0.0000979) | 0.14492 (0.10020, 0.19551) |
| Lampung  | HIV/AIDS                                                 | 5   | 1.6 (0.3, 4.7)      | 0.0000039 (0.0000008, 0.0000114) | 0.00561 (0.00110, 0.01617) | 1.0 (0.2, 2.8)      | 0.0000027 (0.0000006, 0.0000074) | 0.00559 (0.00118, 0.01513) |
| Lampung  | Lower respiratory infections                             | 5   | 26.2 (17.5, 35.5)   | 0.000064 (0.0000428, 0.0000869)  | 0.09345 (0.06451, 0.12747) | 17.4 (11.4, 24.2)   | 0.0000457 (0.0000300, 0.0000636) | 0.09392 (0.06259, 0.12903) |
| Lampung  | Malaria                                                  | 5   | 0.8 (0.2, 2.5)      | 0.000002 (0.0000004, 0.0000062)  | 0.00284 (0.00063, 0.00904) | 0.5 (0.1, 1.7)      | 0.0000014 (0.0000003, 0.0000044) | 0.00291 (0.00069, 0.00896) |
| Lampung  | Tuberculosis                                             | 5   | 4.7 (2.5, 7.9)      | 0.0000115 (0.0000061, 0.0000194) | 0.01676 (0.00901, 0.02761) | 3.3 (1.8, 5.6)      | 0.0000086 (0.0000047, 0.0000148) | 0.01772 (0.00964, 0.02965) |
| Lampung  | Other communicable diseases                              | 5   | 63.8 (49.4, 80.3)   | 0.0001561 (0.0001208, 0.0001964) | 0.22789 (0.18040, 0.27821) | 42.8 (31.8, 54.4)   | 0.0001125 (0.0000837, 0.0001429) | 0.23146 (0.17773, 0.28673) |
| Lampung  | Other malignant neoplasms                                | 5   | 9.0 (4.8, 14.8)     | 0.0000221 (0.0000117, 0.0000361) | 0.03222 (0.01738, 0.05246) | 8.1 (4.4, 13.0)     | 0.0000213 (0.0000117, 0.0000341) | 0.04387 (0.02482, 0.07017) |
| Lampung  | Cerebrovascular disease                                  | 5   | 2.6 (1.2, 4.8)      | 0.0000064 (0.0000029, 0.0000118) | 0.00929 (0.00446, 0.01707) | 3.0 (1.5, 5.3)      | 0.000008 (0.0000040, 0.0000138)  | 0.01639 (0.00830, 0.02790) |
| Lampung  | Ischemic heart disease                                   | 5   | 0.9 (0.3, 1.9)      | 0.0000021 (0.0000008, 0.0000047) | 0.00309 (0.00114, 0.00665) | 1.1 (0.4, 2.3)      | 0.0000029 (0.0000011, 0.0000060) | 0.00593 (0.00223, 0.01241) |
| Lampung  | Other cardiovascular and circulatory diseases            | 5   | 2.2 (0.9, 5.0)      | 0.0000054 (0.0000022, 0.0000122) | 0.00789 (0.00321, 0.01752) | 2.4 (1.0, 4.8)      | 0.0000063 (0.0000027, 0.0000127) | 0.01299 (0.00556, 0.02594) |
| Lampung  | Diabetes mellitus                                        | 5   | 1.3 (0.5, 3.0)      | 0.0000032 (0.0000012, 0.0000073) | 0.00474 (0.00172, 0.01051) | 2.2 (0.9, 4.8)      | 0.0000059 (0.0000023, 0.0000127) | 0.01212 (0.00477, 0.02572) |
| Lampung  | Chronic kidney disease                                   | 5   | 4.4 (2.2, 7.9)      | 0.0000108 (0.0000054, 0.0000194) | 0.01583 (0.00795, 0.02752) | 4.4 (2.3, 7.5)      | 0.0000114 (0.0000061, 0.0000196) | 0.02356 (0.01229, 0.04015) |
| Lampung  | Cirrhosis                                                | 5   | 8.7 (4.7, 14.3)     | 0.0000213 (0.0000116, 0.0000350) | 0.03119 (0.01724, 0.05003) | 4.5 (2.4, 7.8)      | 0.0000119 (0.0000064, 0.0000204) | 0.02457 (0.01356, 0.04117) |
| Lampung  | Chronic respiratory diseases                             | 5   | 4.3 (2.0, 7.9)      | 0.0000106 (0.0000049, 0.0000192) | 0.01547 (0.00724, 0.02789) | 1.7 (0.7, 3.1)      | 0.0000044 (0.0000020, 0.0000081) | 0.00907 (0.00404, 0.01667) |
| Lampung  | Other non-communicable diseases                          | 5   | 31.4 (23.0, 40.9)   | 0.0000768 (0.0000563, 0.0001002) | 0.11216 (0.08464, 0.14386) | 31.8 (24.0, 40.3)   | 0.0000835 (0.0000631, 0.0001058) | 0.17179 (0.13400, 0.21195) |
| Lampung  | Drowning                                                 | 5   | 40.1 (26.1, 56.0)   | 0.0000982 (0.0000638, 0.0001370) | 0.14348 (0.09377, 0.20065) | 14.3 (8.2, 21.7)    | 0.0000375 (0.0000216, 0.0000571) | 0.07717 (0.04559, 0.11585) |
| Lampung  | Falls                                                    | 5   | 5.6 (2.4, 10.6)     | 0.0000137 (0.0000059, 0.0000259) | 0.02001 (0.00868, 0.03623) | 2.5 (1.1, 4.7)      | 0.0000066 (0.0000038, 0.0000124) | 0.01356 (0.00574, 0.02519) |
| Lampung  | Interpersonal violence                                   | 5   | 1.5 (0.6, 3.0)      | 0.0000037 (0.0000015, 0.0000072) | 0.00534 (0.00222, 0.01039) | 1.1 (0.5, 2.3)      | 0.000003 (0.0000013, 0.0000060)  | 0.00615 (0.00259, 0.01261) |
| Lampung  | Transport injuries                                       | 5   | 28.8 (17.3, 43.0)   | 0.0000705 (0.0000423, 0.0001053) | 0.10289 (0.06307, 0.15194) | 10.1 (5.7, 16.2)    | 0.0000266 (0.0000149, 0.0000425) | 0.05475 (0.02991, 0.08623) |
| Lampung  | Other unintentional injuries                             | 5   | 13.3 (7.6, 21.4)    | 0.0000325 (0.0000187, 0.0000523) | 0.04742 (0.02793, 0.07467) | 5.8 (3.3, 9.7)      | 0.0000154 (0.0000086, 0.0000255) | 0.03158 (0.01807, 0.05120) |
| Lampung  | Diarrheal diseases                                       | 10  | 15.9 (9.1, 24.6)    | 0.000038 (0.0000218, 0.0000588)  | 0.0536 (0.03116, 0.08173)  | 14.1 (8.6, 21.1)    | 0.0000353 (0.0000215, 0.0000528) | 0.07643 (0.04714, 0.11365) |
| Lampung  | HIV/AIDS                                                 | 10  | 1.8 (0.4, 4.9)      | 0.0000043 (0.0000010, 0.0000117) | 0.00606 (0.00147, 0.01635) | 1.1 (0.3, 3.2)      | 0.0000028 (0.0000007, 0.0000079) | 0.00615 (0.00164, 0.01678) |
| Lampung  | Lower respiratory infections                             | 10  | 19.3 (11.8, 28.2)   | 0.0000462 (0.0000282, 0.0000675) | 0.06516 (0.04057, 0.09614) | 11.9 (7.3, 17.6)    | 0.0000298 (0.0000183, 0.0000442) | 0.06456 (0.04033, 0.09578) |
| Lampung  | Malaria                                                  | 10  | 1.8 (0.5, 4.8)      | 0.0000042 (0.0000011, 0.0000116) | 0.00597 (0.00159, 0.01605) | 1.1 (0.3, 3.1)      | 0.0000029 (0.0000008, 0.0000078) | 0.00622 (0.00180, 0.01704) |
| Lampung  | Tuberculosis                                             | 10  | 12.4 (7.3, 19.3)    | 0.0000296 (0.0000174, 0.0000462) | 0.04176 (0.02455, 0.06380) | 8.2 (4.9, 12.9)     | 0.0000205 (0.0000124, 0.0000323) | 0.04425 (0.02710, 0.06872) |
| Lampung  | Maternal disorders                                       | 10  |                     |                                  |                            | 0.9 (0.1, 2.4)      | 0.0000022 (0.0000004, 0.0000059) | 0.00485 (0.00082, 0.01307) |
| Lampung  | Other communicable diseases                              | 10  | 53.1 (40.4, 67.9)   | 0.000127 (0.0000967, 0.0001625)  | 0.17893 (0.13874, 0.22409) | 32.9 (24.6, 42.6)   | 0.0000826 (0.0000617, 0.0001066) | 0.17866 (0.13710, 0.22418) |
| Lampung  | Other malignant neoplasms                                | 10  | 13.9 (8.5, 21.3)    | 0.0000332 (0.0000202, 0.0000511) | 0.04677 (0.02877, 0.07181) | 12.4 (7.9, 18.2)    | 0.0000311 (0.0000199, 0.0000455) | 0.06733 (0.04298, 0.09810) |
| Lampung  | Cerebrovascular disease                                  | 10  | 4.7 (2.7, 7.5)      | 0.0000111 (0.0000064, 0.0000180) | 0.0157 (0.00918, 0.02503)  | 5.0 (2.9, 7.8)      | 0.0000124 (0.0000073, 0.0000195) | 0.02689 (0.01606, 0.04131) |
| Lampung  | Ischemic heart disease                                   | 10  | 2.3 (1.3, 4.1)      | 0.0000056 (0.0000030, 0.0000097) | 0.00792 (0.00427, 0.01341) | 2.7 (1.5, 4.5)      | 0.0000067 (0.0000037, 0.0000112) | 0.01441 (0.00804, 0.02388) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                             |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|-----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 |
| Lampung  | Other cardiovascular and circulatory diseases | 10  | 3.6 (1.8, 6.7)       | 0.0000086 (0.0000043, 0.0000160) | 0.01212 (0.00614, 0.02252) | 3.7 (1.9, 6.4)    | 0.0000092 (0.0000047, 0.0000161) | 0.0199 (0.01010, 0.03502)   |
| Lampung  | Diabetes mellitus                             | 10  | 2.0 (1.0, 3.6)       | 0.0000049 (0.0000025, 0.0000085) | 0.00686 (0.00348, 0.01197) | 3.3 (1.7, 5.5)    | 0.0000082 (0.0000042, 0.0000138) | 0.01776 (0.00900, 0.02949)  |
| Lampung  | Chronic kidney disease                        | 10  | 6.7 (4.0, 10.0)      | 0.0000161 (0.0000095, 0.0000239) | 0.02265 (0.01362, 0.03374) | 6.3 (3.8, 9.4)    | 0.0000158 (0.0000096, 0.0000237) | 0.03419 (0.02060, 0.05119)  |
| Lampung  | Cirrhosis                                     | 10  | 10.9 (6.7, 16.9)     | 0.000026 (0.0000161, 0.0000405)  | 0.0367 (0.02333, 0.05615)  | 5.3 (3.3, 8.4)    | 0.0000134 (0.0000082, 0.0000210) | 0.02899 (0.01780, 0.04634)  |
| Lampung  | Chronic respiratory diseases                  | 10  | 9.1 (5.1, 14.2)      | 0.0000218 (0.0000122, 0.0000339) | 0.03073 (0.01726, 0.04808) | 3.6 (1.9, 6.0)    | 0.000009 (0.0000049, 0.0000150)  | 0.01945 (0.01067, 0.03207)  |
| Lampung  | Other non-communicable diseases               | 10  | 40.0 (31.3, 50.6)    | 0.0000957 (0.0000749, 0.0001211) | 0.13496 (0.10729, 0.16772) | 37.2 (29.7, 45.9) | 0.0000933 (0.0000744, 0.0001149) | 0.20188 (0.16503, 0.24179)  |
| Lampung  | Drowning                                      | 10  | 22.8 (13.0, 34.7)    | 0.0000545 (0.0000312, 0.0000830) | 0.07678 (0.04462, 0.11753) | 6.6 (3.3, 11.2)   | 0.0000165 (0.0000084, 0.0000280) | 0.03567 (0.01862, 0.06116)  |
| Lampung  | Falls                                         | 10  | 5.4 (2.3, 10.5)      | 0.0000129 (0.0000055, 0.0000251) | 0.01813 (0.00785, 0.03448) | 2.0 (0.8, 4.1)    | 0.0000051 (0.0000021, 0.0000103) | 0.01108 (0.00470, 0.02232)  |
| Lampung  | Interpersonal violence                        | 10  | 2.5 (1.4, 4.4)       | 0.000006 (0.0000032, 0.0000104)  | 0.00847 (0.00460, 0.01455) | 1.7 (0.8, 2.8)    | 0.0000042 (0.0000021, 0.0000071) | 0.00901 (0.00450, 0.01506)  |
| Lampung  | Self-harm                                     | 10  | 7.6 (3.3, 15.4)      | 0.0000182 (0.0000079, 0.0000369) | 0.02573 (0.01123, 0.05046) | 4.3 (1.9, 8.2)    | 0.0000108 (0.0000049, 0.0000206) | 0.02349 (0.01091, 0.04472)  |
| Lampung  | Transport injuries                            | 10  | 46.5 (32.6, 61.9)    | 0.0001113 (0.0000780, 0.0001482) | 0.15693 (0.11161, 0.20747) | 14.7 (9.1, 21.5)  | 0.0000367 (0.0000228, 0.0000538) | 0.07955 (0.05062, 0.11600)  |
| Lampung  | Other unintentional injuries                  | 10  | 14.3 (8.9, 21.7)     | 0.0000341 (0.0000213, 0.0000520) | 0.04809 (0.03052, 0.07508) | 5.4 (3.2, 8.7)    | 0.0000135 (0.0000081, 0.0000218) | 0.02926 (0.01723, 0.04683)  |
| Lampung  | Diarrheal diseases                            | 15  | 10.6 (5.3, 18.0)     | 0.0000278 (0.0000140, 0.0000473) | 0.0242 (0.01254, 0.03973)  | 7.1 (3.7, 11.9)   | 0.0000204 (0.0000106, 0.0000340) | 0.02849 (0.01554, 0.04620)  |
| Lampung  | HIV/AIDS                                      | 15  | 2.0 (0.5, 6.2)       | 0.0000052 (0.0000012, 0.0000162) | 0.00457 (0.00108, 0.01388) | 1.0 (0.2, 3.0)    | 0.0000029 (0.0000007, 0.0000085) | 0.00403 (0.000091, 0.01190) |
| Lampung  | Lower respiratory infections                  | 15  | 11.7 (6.3, 20.2)     | 0.0000307 (0.0000165, 0.0000531) | 0.02675 (0.01517, 0.04362) | 5.0 (2.5, 8.7)    | 0.0000144 (0.0000071, 0.0000247) | 0.02009 (0.01016, 0.03439)  |
| Lampung  | Malaria                                       | 15  | 5.0 (1.5, 13.0)      | 0.0000132 (0.0000040, 0.0000342) | 0.01159 (0.00348, 0.02882) | 2.7 (0.7, 7.1)    | 0.0000077 (0.0000021, 0.0000202) | 0.0107 (0.00296, 0.02816)   |
| Lampung  | Tuberculosis                                  | 15  | 27.7 (17.9, 41.9)    | 0.0000727 (0.0000470, 0.0001100) | 0.06341 (0.04375, 0.08798) | 13.2 (8.6, 19.3)  | 0.0000377 (0.0000244, 0.0000550) | 0.05273 (0.03423, 0.07683)  |
| Lampung  | Maternal disorders                            | 15  |                      |                                  |                            | 13.1 (7.5, 21.4)  | 0.0000375 (0.0000215, 0.0000610) | 0.05245 (0.03013, 0.08307)  |
| Lampung  | Other communicable diseases                   | 15  | 43.4 (29.3, 62.4)    | 0.0001141 (0.0000769, 0.0001640) | 0.09955 (0.07238, 0.13168) | 19.8 (12.8, 27.8) | 0.0000565 (0.0000364, 0.0000793) | 0.07898 (0.05278, 0.10927)  |
| Lampung  | Tracheal, bronchus, and lung cancer           | 15  | 3.5 (1.1, 8.8)       | 0.0000092 (0.0000028, 0.0000231) | 0.00804 (0.00256, 0.01954) | 1.3 (0.4, 3.3)    | 0.0000037 (0.0000011, 0.0000094) | 0.0052 (0.00150, 0.01315)   |
| Lampung  | Breast cancer                                 | 15  | 0.1 (0.0, 0.3)       | 0.0000002 (0.0000000, 0.0000007) | 0.00014 (0.00001, 0.00056) | 2.0 (0.5, 5.1)    | 0.0000057 (0.0000014, 0.0000144) | 0.008 (0.00195, 0.02026)    |
| Lampung  | Cervical cancer                               | 15  |                      |                                  |                            | 1.2 (0.2, 3.4)    | 0.0000033 (0.0000006, 0.0000096) | 0.00468 (0.00087, 0.01324)  |
| Lampung  | Other malignant neoplasms                     | 15  | 15.4 (9.0, 24.5)     | 0.0000405 (0.0000238, 0.0000643) | 0.03531 (0.02154, 0.05335) | 18.0 (10.9, 26.2) | 0.0000512 (0.0000311, 0.0000749) | 0.07166 (0.04522, 0.10298)  |
| Lampung  | Cerebrovascular disease                       | 15  | 9.7 (5.6, 15.7)      | 0.0000256 (0.0000146, 0.0000412) | 0.02231 (0.01340, 0.03386) | 8.7 (5.1, 13.6)   | 0.0000249 (0.0000144, 0.0000389) | 0.03485 (0.02067, 0.05362)  |
| Lampung  | Ischemic heart disease                        | 15  | 8.9 (5.3, 13.8)      | 0.0000235 (0.0000138, 0.0000362) | 0.02052 (0.01283, 0.03155) | 7.1 (4.3, 11.3)   | 0.0000201 (0.0000124, 0.0000322) | 0.02815 (0.01743, 0.04426)  |
| Lampung  | Other cardiovascular and circulatory diseases | 15  | 6.1 (3.1, 11.4)      | 0.0000161 (0.0000080, 0.0000299) | 0.01403 (0.00734, 0.02404) | 6.2 (2.9, 10.9)   | 0.0000177 (0.0000084, 0.0000311) | 0.02476 (0.01175, 0.04369)  |
| Lampung  | Diabetes mellitus                             | 15  | 3.4 (1.7, 6.0)       | 0.000009 (0.0000044, 0.0000158)  | 0.00784 (0.00386, 0.01341) | 5.6 (2.9, 9.7)    | 0.0000161 (0.0000082, 0.0000277) | 0.02248 (0.01131, 0.03760)  |
| Lampung  | Chronic kidney disease                        | 15  | 10.4 (6.1, 16.2)     | 0.0000273 (0.0000161, 0.0000426) | 0.02383 (0.01438, 0.03669) | 10.2 (5.9, 15.7)  | 0.000029 (0.0000167, 0.0000449)  | 0.04059 (0.02419, 0.06244)  |
| Lampung  | Cirrhosis                                     | 15  | 14.0 (8.2, 22.3)     | 0.0000368 (0.0000216, 0.0000587) | 0.03215 (0.01983, 0.04935) | 6.8 (3.9, 11.3)   | 0.0000195 (0.0000111, 0.0000321) | 0.02721 (0.01569, 0.04441)  |
| Lampung  | Chronic respiratory diseases                  | 15  | 8.2 (4.5, 13.9)      | 0.0000215 (0.0000119, 0.0000366) | 0.01878 (0.01093, 0.03059) | 4.3 (2.2, 7.4)    | 0.0000122 (0.0000063, 0.0000212) | 0.01708 (0.00903, 0.02845)  |
| Lampung  | Other non-communicable diseases               | 15  | 53.2 (38.9, 73.7)    | 0.0001399 (0.0001022, 0.0001937) | 0.12193 (0.09754, 0.14882) | 44.8 (34.8, 56.4) | 0.0001278 (0.0000993, 0.0001609) | 0.17875 (0.14323, 0.22032)  |
| Lampung  | Drowning                                      | 15  | 13.1 (6.6, 22.2)     | 0.0000345 (0.0000173, 0.0000585) | 0.03013 (0.01572, 0.04994) | 3.1 (1.3, 5.7)    | 0.0000089 (0.0000038, 0.0000161) | 0.01237 (0.00544, 0.02249)  |
| Lampung  | Falls                                         | 15  | 5.3 (2.4, 9.7)       | 0.000014 (0.0000064, 0.0000254)  | 0.01223 (0.00574, 0.02175) | 1.8 (0.8, 3.6)    | 0.0000051 (0.0000022, 0.0000102) | 0.00717 (0.00307, 0.01432)  |
| Lampung  | Interpersonal violence                        | 15  | 6.3 (3.7, 10.1)      | 0.0000166 (0.0000097, 0.0000264) | 0.01453 (0.00895, 0.02308) | 4.2 (2.1, 7.6)    | 0.0000121 (0.0000061, 0.0000216) | 0.01692 (0.00857, 0.02973)  |
| Lampung  | Self-harm                                     | 15  | 16.4 (8.3, 29.0)     | 0.000043 (0.0000218, 0.0000761)  | 0.0375 (0.02023, 0.06177)  | 9.5 (4.5, 16.3)   | 0.0000272 (0.0000129, 0.0000466) | 0.03808 (0.01849, 0.06607)  |
| Lampung  | Transport injuries                            | 15  | 138.9 (107.4, 188.3) | 0.000365 (0.0002821, 0.0004948)  | 0.31849 (0.26653, 0.36931) | 45.6 (32.7, 59.5) | 0.0001302 (0.0000933, 0.0001698) | 0.18207 (0.13472, 0.23048)  |
| Lampung  | Other unintentional injuries                  | 15  | 22.8 (14.5, 34.6)    | 0.0000598 (0.0000381, 0.0000909) | 0.05216 (0.03470, 0.07728) | 8.1 (4.7, 13.2)   | 0.0000232 (0.0000133, 0.0000376) | 0.03252 (0.01918, 0.05221)  |
| Lampung  | Diarrheal diseases                            | 20  | 11.2 (6.0, 20.2)     | 0.0000314 (0.0000170, 0.0000568) | 0.0212 (0.01201, 0.03623)  | 7.8 (4.5, 13.1)   | 0.0000228 (0.0000132, 0.0000383) | 0.02762 (0.01565, 0.04576)  |
| Lampung  | HIV/AIDS                                      | 20  | 7.5 (2.3, 17.9)      | 0.0000212 (0.0000065, 0.0000504) | 0.0143 (0.00438, 0.03410)  | 3.7 (1.2, 9.4)    | 0.0000108 (0.0000034, 0.0000275) | 0.01309 (0.00397, 0.03279)  |
| Lampung  | Lower respiratory infections                  | 20  | 13.2 (7.0, 22.9)     | 0.0000371 (0.0000198, 0.0000643) | 0.02504 (0.01399, 0.04200) | 5.1 (2.6, 9.0)    | 0.0000149 (0.0000072, 0.0000593) | 0.01808 (0.00937, 0.03166)  |
| Lampung  | Malaria                                       | 20  | 6.5 (2.0, 16.7)      | 0.0000181 (0.0000056, 0.0000471) | 0.0123 (0.00374, 0.03152)  | 3.4 (1.0, 9.1)    | 0.00001 (0.0000029, 0.0000267)   | 0.01217 (0.00364, 0.03185)  |
| Lampung  | Tuberculosis                                  | 20  | 62.0 (43.6, 87.4)    | 0.0001742 (0.0001225, 0.0002457) | 0.1176 (0.08754, 0.15045)  | 24.7 (17.2, 33.6) | 0.0000722 (0.0000502, 0.0000983) | 0.0876 (0.06244, 0.11570)   |
| Lampung  | Maternal disorders                            | 20  |                      |                                  |                            | 13.2 (7.7, 20.7)  | 0.0000387 (0.0000227, 0.0000605) | 0.04688 (0.02795, 0.07149)  |
| Lampung  | Other communicable diseases                   | 20  | 60.3 (41.6, 86.1)    | 0.0001694 (0.0001170, 0.0002419) | 0.11439 (0.08465, 0.14736) | 28.5 (19.8, 38.1) | 0.0000834 (0.0000580, 0.0001115) | 0.10121 (0.07340, 0.13223)  |
| Lampung  | Tracheal, bronchus, and lung cancer           | 20  | 2.8 (0.7, 7.4)       | 0.000008 (0.0000020, 0.0000209)  | 0.00538 (0.00148, 0.01420) | 2.1 (0.7, 4.8)    | 0.000006 (0.0000020, 0.0000141)  | 0.00727 (0.00241, 0.01728)  |
| Lampung  | Breast cancer                                 | 20  | 0.1 (0.0, 0.2)       | 0.0000002 (0.0000000, 0.0000007) | 0.00015 (0.00002, 0.00043) | 6.1 (2.4, 11.7)   | 0.0000177 (0.0000070, 0.0000342) | 0.02151 (0.00849, 0.04058)  |
| Lampung  | Cervical cancer                               | 20  |                      |                                  |                            | 2.6 (0.6, 6.5)    | 0.0000075 (0.0000016, 0.0000191) | 0.00912 (0.00205, 0.02363)  |
| Lampung  | Other malignant neoplasms                     | 20  | 14.5 (8.7, 22.6)     | 0.0000408 (0.0000245, 0.0000634) | 0.02757 (0.01705, 0.04053) | 20.0 (12.2, 30.1) | 0.0000583 (0.0000358, 0.0000879) | 0.07074 (0.04282, 0.10366)  |
| Lampung  | Cerebrovascular disease                       | 20  | 19.4 (12.4, 28.9)    | 0.0000545 (0.0000348, 0.0000813) | 0.0368 (0.02571, 0.05035)  | 14.0 (9.3, 20.3)  | 0.000041 (0.0000272, 0.0000593)  | 0.04971 (0.03426, 0.06948)  |
| Lampung  | Ischemic heart disease                        | 20  | 17.1 (10.6, 26.0)    | 0.0000481 (0.0000297, 0.0000730) | 0.03243 (0.02140, 0.04626) | 8.4 (5.3, 12.5)   | 0.0000247 (0.0000155, 0.0000366) | 0.02993 (0.01928, 0.04298)  |
| Lampung  | Other cardiovascular and circulatory diseases | 20  | 9.7 (5.2, 16.2)      | 0.0000272 (0.0000147, 0.0000456) | 0.01835 (0.01033, 0.02880) | 8.9 (5.0, 14.9)   | 0.0000261 (0.0000147, 0.0000434) | 0.03164 (0.01837, 0.05118)  |
| Lampung  | Diabetes mellitus                             | 20  | 3.4 (1.8, 5.7)       | 0.0000094 (0.0000050, 0.0000160) | 0.00636 (0.00352, 0.01022) | 5.1 (2.9, 8.6)    | 0.000015 (0.0000084, 0.0000250)  | 0.01815 (0.01056, 0.02997)  |
| Lampung  | Chronic kidney disease                        | 20  | 16.2 (9.8, 24.8)     | 0.0000455 (0.0000276, 0.0000696) | 0.03072 (0.02012, 0.04440) | 14.5 (9.2, 21.4)  | 0.0000423 (0.0000269, 0.0000625) | 0.05136 (0.03320, 0.07464)  |
| Lampung  | Cirrhosis                                     | 20  | 23.3 (14.7, 37.0)    | 0.0000654 (0.0000414, 0.0001040) | 0.04407 (0.02925, 0.06386) | 10.7 (6.5, 16.3)  | 0.0000312 (0.0000190, 0.0000477) | 0.03786 (0.02380, 0.05625)  |
| Lampung  | Chronic respiratory diseases                  | 20  | 18.1 (10.9, 28.1)    | 0.0000507 (0.0000307, 0.0000790) | 0.03423 (0.02227, 0.04878) | 10.8 (6.6, 16.2)  | 0.0000317 (0.0000193, 0.0000473) | 0.03846 (0.02462, 0.05602)  |
| Lampung  | Other non-communicable diseases               | 20  | 53.5 (38.9, 74.1)    | 0.0001504 (0.0001094, 0.0002083) | 0.10146 (0.08046, 0.12550) | 38.9 (29.6, 50.0) | 0.0001137 (0.0000865, 0.0001462) | 0.13788 (0.10944, 0.17049)  |
| Lampung  | Drowning                                      | 20  | 10.9 (4.9, 19.3)     | 0.0000306 (0.0000138, 0.0000543) | 0.02062 (0.00921, 0.03507) | 2.2 (0.9, 4.2)    | 0.0000063 (0.0000026, 0.0000124) | 0.00764 (0.00313, 0.01481)  |
| Lampung  | Falls                                         | 20  | 5.8 (2.4, 10.7)      | 0.0000163 (0.0000068, 0.0000302) | 0.01097 (0.00499, 0.01931) | 1.6 (0.7, 3.2)    | 0.0000047 (0.0000019, 0.0000094) | 0.00573 (0.00235, 0.01144)  |
| Lampung  | Interpersonal violence                        | 20  | 7.5 (4.3, 12.2)      | 0.0000212 (0.0000120, 0.0000344) | 0.01428 (0.00868, 0.02266) | 4.0 (2.1, 6.8)    | 0.0000116 (0.0000061, 0.0000200) | 0.01404 (0.00758, 0.02365)  |
| Lampung  | Self-harm                                     | 20  | 16.4 (8.5, 28.3)     | 0.0000461 (0.0000239, 0.0000794) | 0.03111 (0.01613, 0.05089) | 7.5 (3.6, 12.7)   | 0.0000219 (0.0000106, 0.0000371) | 0.02656 (0.01271, 0.04579)  |
| Lampung  | Transport injuries                            | 20  | 121.6 (87.8, 171.5)  | 0.0003418 (0.0002468, 0.0004821) | 0.23072 (0.18268, 0.27567) | 30.7 (21.3, 42.3) | 0.0000897 (0.0000623, 0.0001237) | 0.10875 (0.07772, 0.14414)  |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung  | Other unintentional injuries                  | 20  | 26.3 (16.7, 40.8)  | 0.000074 (0.0000470, 0.0001146)  | 0.04995 (0.03305, 0.07200) | 7.6 (4.4, 12.1)   | 0.0000223 (0.0000129, 0.0000352) | 0.027 (0.01546, 0.04144)   |
| Lampung  | Diarrheal diseases                            | 25  | 17.6 (10.0, 28.2)  | 0.0000473 (0.0000270, 0.0000758) | 0.02692 (0.01586, 0.04262) | 11.4 (6.6, 18.2)  | 0.0000319 (0.0000186, 0.0000509) | 0.03381 (0.02051, 0.05239) |
| Lampung  | HIV/AIDS                                      | 25  | 15.4 (5.2, 37.4)   | 0.0000415 (0.0000141, 0.0001007) | 0.0236 (0.00808, 0.05766)  | 7.1 (2.4, 17.7)   | 0.0000198 (0.0000068, 0.0000495) | 0.02091 (0.00738, 0.04818) |
| Lampung  | Lower respiratory infections                  | 25  | 15.6 (8.5, 26.2)   | 0.0000419 (0.0000228, 0.0000707) | 0.02386 (0.01303, 0.04069) | 5.5 (2.8, 9.7)    | 0.0000154 (0.0000077, 0.0000272) | 0.01634 (0.00860, 0.02800) |
| Lampung  | Malaria                                       | 25  | 7.5 (2.4, 19.3)    | 0.0000202 (0.0000064, 0.0000519) | 0.01153 (0.00366, 0.02864) | 3.6 (1.1, 9.3)    | 0.00001 (0.0000029, 0.0000260)   | 0.01058 (0.00329, 0.02697) |
| Lampung  | Tuberculosis                                  | 25  | 94.8 (68.9, 124.9) | 0.0002552 (0.0001856, 0.0003365) | 0.14523 (0.10877, 0.18137) | 32.8 (22.5, 44.9) | 0.0000917 (0.0000629, 0.0001257) | 0.09739 (0.06878, 0.12807) |
| Lampung  | Maternal disorders                            | 25  |                    |                                  |                            | 16.4 (9.6, 26.1)  | 0.0000457 (0.0000269, 0.0000729) | 0.04849 (0.02976, 0.07329) |
| Lampung  | Other communicable diseases                   | 25  | 71.2 (50.6, 96.2)  | 0.0001918 (0.0001362, 0.0002589) | 0.10922 (0.08129, 0.14274) | 31.8 (22.1, 44.1) | 0.0000888 (0.0000617, 0.0001234) | 0.09428 (0.06916, 0.12280) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 25  | 3.8 (1.0, 9.5)     | 0.0000102 (0.0000027, 0.0000257) | 0.00582 (0.00155, 0.01451) | 2.8 (1.0, 6.3)    | 0.0000078 (0.0000027, 0.0000175) | 0.00825 (0.00299, 0.01838) |
| Lampung  | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)     | 0.0000002 (0.0000000, 0.0000007) | 0.00012 (0.00002, 0.00040) | 12.5 (5.8, 21.0)  | 0.0000351 (0.0000162, 0.0000587) | 0.03724 (0.01788, 0.06135) |
| Lampung  | Cervical cancer                               | 25  |                    |                                  |                            | 4.8 (1.3, 11.3)   | 0.0000135 (0.0000036, 0.0000317) | 0.01434 (0.00397, 0.03310) |
| Lampung  | Other malignant neoplasms                     | 25  | 19.9 (12.4, 29.9)  | 0.0000535 (0.0000334, 0.0000806) | 0.03045 (0.01954, 0.04525) | 22.8 (13.6, 36.2) | 0.0000637 (0.0000379, 0.0001011) | 0.06749 (0.04188, 0.09956) |
| Lampung  | Cerebrovascular disease                       | 25  | 38.6 (27.9, 52.2)  | 0.0001038 (0.0000752, 0.0001405) | 0.05906 (0.04414, 0.07662) | 24.1 (17.2, 33.0) | 0.0000675 (0.0000480, 0.0000924) | 0.07153 (0.05492, 0.09274) |
| Lampung  | Ischemic heart disease                        | 25  | 37.3 (26.0, 52.2)  | 0.0001004 (0.0000701, 0.0001404) | 0.05714 (0.04115, 0.07618) | 14.4 (9.4, 20.9)  | 0.0000403 (0.0000263, 0.0000586) | 0.04278 (0.02952, 0.05846) |
| Lampung  | Other cardiovascular and circulatory diseases | 25  | 14.0 (7.9, 22.4)   | 0.0000376 (0.0000214, 0.0000604) | 0.02139 (0.01265, 0.03281) | 11.6 (6.8, 18.8)  | 0.0000326 (0.0000191, 0.0000527) | 0.03457 (0.02127, 0.05401) |
| Lampung  | Diabetes mellitus                             | 25  | 6.2 (3.8, 9.7)     | 0.0000167 (0.0000101, 0.0000261) | 0.00947 (0.00618, 0.01410) | 8.2 (5.1, 12.5)   | 0.0000231 (0.0000143, 0.0000349) | 0.02447 (0.01611, 0.03669) |
| Lampung  | Chronic kidney disease                        | 25  | 20.0 (13.3, 29.2)  | 0.0000539 (0.0000357, 0.0000788) | 0.03067 (0.02089, 0.04390) | 15.6 (10.0, 22.8) | 0.0000436 (0.0000279, 0.0000638) | 0.04626 (0.03121, 0.06571) |
| Lampung  | Cirrhosis                                     | 25  | 35.5 (24.1, 53.9)  | 0.0000956 (0.0000648, 0.0001452) | 0.05434 (0.03894, 0.07446) | 14.6 (9.4, 21.7)  | 0.0000409 (0.0000262, 0.0000607) | 0.04339 (0.02952, 0.06058) |
| Lampung  | Chronic respiratory diseases                  | 25  | 23.4 (14.7, 34.3)  | 0.000063 (0.0000397, 0.0000923)  | 0.03583 (0.02352, 0.04984) | 13.5 (8.6, 20.0)  | 0.0000379 (0.0000240, 0.0000561) | 0.04019 (0.02654, 0.05647) |
| Lampung  | Other non-communicable diseases               | 25  | 68.8 (52.7, 92.1)  | 0.0001852 (0.0001419, 0.0002480) | 0.10535 (0.08460, 0.12952) | 44.4 (32.4, 58.7) | 0.0001241 (0.0000907, 0.0001642) | 0.13163 (0.10616, 0.16277) |
| Lampung  | Drowning                                      | 25  | 7.8 (3.4, 15.0)    | 0.000021 (0.0000091, 0.0000404)  | 0.01197 (0.00522, 0.02221) | 1.4 (0.6, 2.8)    | 0.0000039 (0.0000016, 0.0000079) | 0.0041 (0.00171, 0.00799)  |
| Lampung  | Falls                                         | 25  | 8.9 (3.8, 16.0)    | 0.0000238 (0.0000101, 0.0000431) | 0.01357 (0.00591, 0.02375) | 2.2 (1.0, 4.2)    | 0.0000061 (0.0000027, 0.0000117) | 0.00648 (0.00286, 0.01216) |
| Lampung  | Interpersonal violence                        | 25  | 7.9 (4.7, 13.0)    | 0.0000214 (0.0000125, 0.0000350) | 0.01218 (0.00737, 0.01951) | 3.5 (1.8, 5.9)    | 0.0000097 (0.0000049, 0.0000165) | 0.01025 (0.00540, 0.01658) |
| Lampung  | Self-harm                                     | 25  | 16.0 (8.3, 26.9)   | 0.0000431 (0.0000225, 0.0000725) | 0.02453 (0.01274, 0.04050) | 6.0 (2.8, 11.1)   | 0.0000167 (0.0000080, 0.0000310) | 0.0177 (0.00875, 0.03107)  |
| Lampung  | Transport injuries                            | 25  | 89.3 (62.4, 125.0) | 0.0002405 (0.0001681, 0.0003366) | 0.13683 (0.09819, 0.17871) | 17.9 (11.1, 26.2) | 0.0000502 (0.0000309, 0.0000731) | 0.05327 (0.03415, 0.07600) |
| Lampung  | Other unintentional injuries                  | 25  | 33.2 (21.2, 50.0)  | 0.0000895 (0.0000570, 0.0001345) | 0.05094 (0.03315, 0.07436) | 8.2 (4.8, 13.4)   | 0.0000229 (0.0000134, 0.0000374) | 0.02425 (0.01482, 0.03746) |
| Lampung  | Diarrheal diseases                            | 30  | 20.2 (11.2, 32.0)  | 0.0000561 (0.0000310, 0.0000887) | 0.02845 (0.01642, 0.04303) | 11.8 (6.6, 18.2)  | 0.0000348 (0.0000195, 0.0000538) | 0.03005 (0.01772, 0.04493) |
| Lampung  | HIV/AIDS                                      | 30  | 16.0 (5.5, 37.6)   | 0.0000444 (0.0000152, 0.0001041) | 0.02246 (0.00794, 0.05225) | 6.8 (2.3, 16.1)   | 0.0000202 (0.0000069, 0.0000478) | 0.01731 (0.00594, 0.04076) |
| Lampung  | Lower respiratory infections                  | 30  | 14.8 (7.8, 25.2)   | 0.0000409 (0.0000216, 0.0000698) | 0.02077 (0.01108, 0.03512) | 5.0 (2.5, 8.6)    | 0.0000148 (0.0000073, 0.0000253) | 0.01271 (0.00655, 0.02146) |
| Lampung  | Malaria                                       | 30  | 6.4 (2.0, 16.1)    | 0.0000178 (0.0000056, 0.0000447) | 0.00904 (0.00288, 0.02324) | 2.6 (0.8, 7.0)    | 0.0000077 (0.0000023, 0.0000206) | 0.00667 (0.00204, 0.01731) |
| Lampung  | Tuberculosis                                  | 30  | 93.5 (67.7, 122.6) | 0.0002592 (0.0001877, 0.0003397) | 0.13147 (0.09840, 0.16570) | 29.4 (19.1, 41.6) | 0.0000869 (0.0000564, 0.0001230) | 0.07497 (0.05188, 0.09977) |
| Lampung  | Maternal disorders                            | 30  |                    |                                  |                            | 27.6 (17.0, 42.1) | 0.0000816 (0.0000504, 0.0001244) | 0.07023 (0.04590, 0.09736) |
| Lampung  | Other communicable diseases                   | 30  | 52.3 (35.9, 73.1)  | 0.000145 (0.0000995, 0.0002025)  | 0.07357 (0.05318, 0.09922) | 21.2 (13.8, 31.0) | 0.0000626 (0.0000408, 0.0000917) | 0.05398 (0.03700, 0.07343) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 30  | 8.2 (2.6, 18.5)    | 0.0000227 (0.0000073, 0.0000512) | 0.01155 (0.00374, 0.02547) | 3.3 (1.3, 7.6)    | 0.0000097 (0.0000048, 0.0000224) | 0.00839 (0.00326, 0.01863) |
| Lampung  | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)     | 0.0000003 (0.0000000, 0.0000011) | 0.00015 (0.00002, 0.00056) | 20.3 (9.8, 33.0)  | 0.00006 (0.0000290, 0.0000976)   | 0.05168 (0.02662, 0.08162) |
| Lampung  | Cervical cancer                               | 30  |                    |                                  |                            | 8.8 (2.7, 19.7)   | 0.000026 (0.0000081, 0.0000582)  | 0.02241 (0.00696, 0.04647) |
| Lampung  | Other malignant neoplasms                     | 30  | 28.0 (17.3, 41.5)  | 0.0000776 (0.0000479, 0.0001150) | 0.03938 (0.02549, 0.05651) | 24.4 (13.8, 39.8) | 0.0000723 (0.0000410, 0.0001177) | 0.06227 (0.03653, 0.09519) |
| Lampung  | Cerebrovascular disease                       | 30  | 63.4 (47.2, 83.3)  | 0.0001757 (0.0001309, 0.0002309) | 0.08913 (0.06988, 0.11129) | 40.5 (29.2, 56.5) | 0.0001198 (0.0000865, 0.0001671) | 0.10315 (0.08203, 0.12770) |
| Lampung  | Ischemic heart disease                        | 30  | 55.5 (39.2, 74.8)  | 0.0001538 (0.0001086, 0.0002074) | 0.07802 (0.05741, 0.10146) | 22.0 (14.4, 31.3) | 0.000065 (0.0000425, 0.0000927)  | 0.05599 (0.03865, 0.07566) |
| Lampung  | Other cardiovascular and circulatory diseases | 30  | 17.9 (10.5, 27.7)  | 0.0000496 (0.0000292, 0.0000769) | 0.02516 (0.01547, 0.03770) | 14.9 (8.7, 23.5)  | 0.0000442 (0.0000256, 0.0000696) | 0.03812 (0.02376, 0.05778) |
| Lampung  | Diabetes mellitus                             | 30  | 10.7 (7.2, 15.6)   | 0.0000296 (0.0000201, 0.0000433) | 0.01503 (0.01056, 0.02129) | 13.9 (9.2, 20.8)  | 0.0000413 (0.0000273, 0.0000617) | 0.03553 (0.02521, 0.04893) |
| Lampung  | Chronic kidney disease                        | 30  | 22.8 (15.5, 32.4)  | 0.0000631 (0.0000428, 0.0000897) | 0.03202 (0.02265, 0.04445) | 17.3 (11.0, 26.2) | 0.0000512 (0.0000325, 0.0000775) | 0.04405 (0.03023, 0.06170) |
| Lampung  | Cirrhosis                                     | 30  | 49.0 (34.3, 70.8)  | 0.0001357 (0.0000950, 0.0001961) | 0.06883 (0.04992, 0.09237) | 20.4 (13.4, 29.9) | 0.0000604 (0.0000396, 0.0000885) | 0.05206 (0.03661, 0.07246) |
| Lampung  | Chronic respiratory diseases                  | 30  | 25.5 (16.4, 37.5)  | 0.0000706 (0.0000455, 0.0001040) | 0.03583 (0.02386, 0.05114) | 14.6 (9.1, 22.1)  | 0.0000431 (0.0000269, 0.0000655) | 0.03713 (0.02455, 0.05263) |
| Lampung  | Other non-communicable diseases               | 30  | 75.0 (57.0, 100.6) | 0.000208 (0.0001579, 0.0002789)  | 0.10546 (0.08515, 0.13055) | 49.2 (35.2, 67.7) | 0.0001455 (0.0001043, 0.0002004) | 0.12527 (0.10123, 0.15496) |
| Lampung  | Drowning                                      | 30  | 9.3 (4.2, 17.1)    | 0.0000258 (0.0000117, 0.0000473) | 0.01309 (0.00596, 0.02285) | 1.9 (0.8, 3.6)    | 0.0000056 (0.0000024, 0.0000106) | 0.00486 (0.00215, 0.00885) |
| Lampung  | Falls                                         | 30  | 11.2 (5.1, 20.2)   | 0.000031 (0.0000140, 0.0000559)  | 0.01572 (0.00730, 0.02789) | 3.1 (1.3, 5.9)    | 0.0000091 (0.0000039, 0.0000175) | 0.00787 (0.00359, 0.01436) |
| Lampung  | Interpersonal violence                        | 30  | 6.3 (3.7, 10.6)    | 0.0000176 (0.0000102, 0.0000293) | 0.00893 (0.00541, 0.01434) | 2.9 (1.5, 4.9)    | 0.0000084 (0.0000044, 0.0000145) | 0.00727 (0.00386, 0.01192) |
| Lampung  | Self-harm                                     | 30  | 12.6 (6.4, 21.5)   | 0.0000348 (0.0000179, 0.0000597) | 0.01767 (0.00928, 0.03056) | 4.8 (2.2, 8.8)    | 0.0000141 (0.0000066, 0.0000261) | 0.01218 (0.00603, 0.02198) |
| Lampung  | Transport injuries                            | 30  | 80.8 (55.0, 113.1) | 0.000224 (0.0001525, 0.0003135)  | 0.11362 (0.08090, 0.14931) | 17.5 (10.7, 25.9) | 0.0000517 (0.0000316, 0.0000767) | 0.04459 (0.02887, 0.06319) |
| Lampung  | Other unintentional injuries                  | 30  | 31.7 (19.8, 47.5)  | 0.000088 (0.0000549, 0.0001318)  | 0.04464 (0.02807, 0.06542) | 8.3 (4.8, 13.6)   | 0.0000247 (0.0000143, 0.0000403) | 0.02125 (0.01288, 0.03172) |
| Lampung  | Diarrheal diseases                            | 35  | 18.0 (10.3, 29.1)  | 0.0000563 (0.0000321, 0.0000912) | 0.02214 (0.01299, 0.03426) | 13.3 (7.8, 21.0)  | 0.0000438 (0.0000255, 0.0000691) | 0.05267 (0.03542, 0.03870) |
| Lampung  | HIV/AIDS                                      | 35  | 13.9 (4.7, 32.7)   | 0.0000434 (0.0000148, 0.0001025) | 0.01703 (0.00585, 0.04038) | 7.3 (2.4, 18.4)   | 0.0000239 (0.0000080, 0.0000606) | 0.01367 (0.00459, 0.03439) |
| Lampung  | Lower respiratory infections                  | 35  | 15.5 (8.4, 25.7)   | 0.0000485 (0.0000264, 0.0000805) | 0.01907 (0.01049, 0.03107) | 6.7 (3.4, 11.7)   | 0.0000221 (0.0000113, 0.0000384) | 0.01271 (0.00665, 0.02135) |
| Lampung  | Malaria                                       | 35  | 5.6 (1.8, 14.1)    | 0.0000175 (0.0000055, 0.0000441) | 0.00688 (0.00222, 0.01761) | 2.8 (0.8, 7.3)    | 0.0000091 (0.0000027, 0.0000240) | 0.00523 (0.00163, 0.01325) |
| Lampung  | Tuberculosis                                  | 35  | 95.3 (69.5, 124.0) | 0.0002984 (0.0002176, 0.0003883) | 0.11724 (0.08986, 0.14633) | 36.8 (23.7, 51.9) | 0.0001209 (0.0000780, 0.0001705) | 0.06965 (0.04845, 0.09261) |
| Lampung  | Maternal disorders                            | 35  |                    |                                  |                            | 26.5 (16.1, 42.1) | 0.0000872 (0.0000530, 0.0001384) | 0.05015 (0.03240, 0.07376) |
| Lampung  | Other communicable diseases                   | 35  | 47.6 (31.0, 67.6)  | 0.000149 (0.0000971, 0.0002117)  | 0.05856 (0.03968, 0.08004) | 24.8 (15.8, 37.6) | 0.0000814 (0.0000519, 0.0001236) | 0.04696 (0.03180, 0.06429) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 35  | 8.1 (2.7, 19.0)    | 0.0000254 (0.0000084, 0.0000594) | 0.00998 (0.00351, 0.02251) | 4.7 (1.9, 10.5)   | 0.0000155 (0.0000061, 0.0000345) | 0.00893 (0.00360, 0.01919) |
| Lampung  | Breast cancer                                 | 35  | 0.2 (0.0, 0.7)     | 0.0000007 (0.0000001, 0.0000022) | 0.00026 (0.00004, 0.00088) | 31.8 (15.0, 51.4) | 0.0001045 (0.0000493, 0.0001691) | 0.06024 (0.03016, 0.09234) |
| Lampung  | Cervical cancer                               | 35  |                    |                                  |                            | 16.0 (5.2, 33.4)  | 0.0000525 (0.0000170, 0.0001098) | 0.03026 (0.01020, 0.05931) |
| Lampung  | Other malignant neoplasms                     | 35  | 41.8 (26.9, 60.8)  | 0.0001309 (0.0000841, 0.0001902) | 0.05146 (0.03422, 0.07361) | 29.0 (15.9, 48.7) | 0.0000954 (0.0000521, 0.0001602) | 0.05491 (0.03101, 0.08724) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung  | Cerebrovascular disease                       | 35  | 102.3 (78.1, 131.1)  | 0.0003204 (0.0002445, 0.0004104) | 0.12593 (0.10165, 0.15215) | 73.3 (53.4, 100.1)   | 0.0002409 (0.0001757, 0.0003292) | 0.13858 (0.11263, 0.16693) |
| Lampung  | Ischemic heart disease                        | 35  | 78.1 (56.8, 102.7)   | 0.0002444 (0.0001777, 0.0003215) | 0.09604 (0.07380, 0.12047) | 36.1 (23.7, 51.4)    | 0.0001188 (0.0000779, 0.0001690) | 0.06844 (0.04877, 0.08892) |
| Lampung  | Other cardiovascular and circulatory diseases | 35  | 24.0 (14.5, 36.6)    | 0.0000751 (0.0000453, 0.0001147) | 0.02949 (0.01869, 0.04428) | 21.5 (12.8, 33.2)    | 0.0000707 (0.0000421, 0.0001093) | 0.04077 (0.02587, 0.06117) |
| Lampung  | Diabetes mellitus                             | 35  | 20.5 (14.2, 29.2)    | 0.0000642 (0.0000445, 0.0000915) | 0.02525 (0.01789, 0.03490) | 28.4 (19.3, 41.2)    | 0.0000934 (0.0000635, 0.0001354) | 0.0538 (0.03917, 0.07277)  |
| Lampung  | Chronic kidney disease                        | 35  | 27.5 (19.0, 38.5)    | 0.000086 (0.0000594, 0.0001206)  | 0.03381 (0.02408, 0.04627) | 22.1 (14.3, 33.1)    | 0.0000728 (0.0000470, 0.0001087) | 0.04192 (0.02828, 0.05769) |
| Lampung  | Cirrhosis                                     | 35  | 63.3 (44.6, 89.0)    | 0.0001983 (0.0001395, 0.0002788) | 0.07792 (0.05661, 0.10296) | 29.1 (18.9, 42.4)    | 0.0000957 (0.0000620, 0.0001393) | 0.05512 (0.03866, 0.07656) |
| Lampung  | Chronic respiratory diseases                  | 35  | 32.7 (21.5, 47.8)    | 0.0001023 (0.0000674, 0.0001495) | 0.04022 (0.02774, 0.05548) | 18.6 (11.7, 27.8)    | 0.0000612 (0.0000385, 0.0000915) | 0.03523 (0.02334, 0.05003) |
| Lampung  | Other non-communicable diseases               | 35  | 80.6 (60.4, 104.5)   | 0.0002524 (0.0001891, 0.0003270) | 0.09919 (0.08002, 0.12366) | 58.3 (41.7, 80.8)    | 0.0001919 (0.0001372, 0.0002658) | 0.11042 (0.08822, 0.13855) |
| Lampung  | Drowning                                      | 35  | 12.1 (5.6, 21.3)     | 0.0000379 (0.0000175, 0.0000666) | 0.01489 (0.00692, 0.02584) | 3.1 (1.4, 6.1)       | 0.0000104 (0.0000045, 0.0000199) | 0.00596 (0.00272, 0.01096) |
| Lampung  | Falls                                         | 35  | 11.6 (5.2, 20.6)     | 0.0000363 (0.0000163, 0.0000646) | 0.01427 (0.00659, 0.02565) | 3.9 (1.7, 7.5)       | 0.000013 (0.0000055, 0.0000247)  | 0.00747 (0.00342, 0.01368) |
| Lampung  | Interpersonal violence                        | 35  | 5.4 (3.1, 8.9)       | 0.000017 (0.0000097, 0.0000279)  | 0.00669 (0.00394, 0.01063) | 2.8 (1.4, 4.7)       | 0.0000091 (0.0000046, 0.0000156) | 0.00525 (0.00272, 0.00877) |
| Lampung  | Self-harm                                     | 35  | 11.5 (5.6, 20.3)     | 0.0000361 (0.0000177, 0.0000636) | 0.01419 (0.00705, 0.02492) | 4.9 (2.3, 9.0)       | 0.0000161 (0.0000076, 0.0000297) | 0.00929 (0.00453, 0.01664) |
| Lampung  | Transport injuries                            | 35  | 66.8 (43.6, 96.4)    | 0.0002092 (0.0001365, 0.0003018) | 0.08219 (0.05560, 0.11290) | 17.0 (9.9, 25.9)     | 0.0000558 (0.0000325, 0.0000850) | 0.03212 (0.02004, 0.04639) |
| Lampung  | Other unintentional injuries                  | 35  | 30.3 (18.5, 46.5)    | 0.0000949 (0.0000578, 0.0001457) | 0.03727 (0.02306, 0.05480) | 9.3 (5.3, 15.2)      | 0.0000306 (0.0000174, 0.0000500) | 0.01764 (0.01091, 0.02679) |
| Lampung  | Diarrheal diseases                            | 40  | 20.3 (11.4, 31.9)    | 0.0000726 (0.0000410, 0.0001142) | 0.01977 (0.01180, 0.03045) | 18.1 (10.6, 28.1)    | 0.0000692 (0.0000406, 0.0001075) | 0.02688 (0.01653, 0.03958) |
| Lampung  | HIV/AIDS                                      | 40  | 7.4 (2.4, 18.8)      | 0.0000267 (0.0000084, 0.0000672) | 0.00726 (0.00228, 0.01791) | 4.6 (1.5, 11.7)      | 0.0000177 (0.0000056, 0.0000448) | 0.00683 (0.00222, 0.01743) |
| Lampung  | Lower respiratory infections                  | 40  | 15.6 (8.4, 26.4)     | 0.0000559 (0.0000302, 0.0000944) | 0.01522 (0.00832, 0.02512) | 8.6 (4.4, 15.1)      | 0.0000331 (0.0000170, 0.0000580) | 0.01286 (0.00690, 0.02100) |
| Lampung  | Malaria                                       | 40  | 5.9 (1.8, 14.2)      | 0.000021 (0.0000064, 0.0000508)  | 0.00574 (0.00172, 0.01384) | 3.1 (0.9, 8.1)       | 0.0000119 (0.0000035, 0.0000310) | 0.00462 (0.00142, 0.01169) |
| Lampung  | Tuberculosis                                  | 40  | 91.1 (66.1, 121.5)   | 0.0003262 (0.0002367, 0.0004348) | 0.0888 (0.06790, 0.11304)  | 39.7 (25.8, 55.5)    | 0.0001521 (0.0000989, 0.0002126) | 0.05907 (0.04222, 0.07863) |
| Lampung  | Maternal disorders                            | 40  |                      |                                  |                            | 9.3 (5.0, 16.5)      | 0.0000357 (0.0000192, 0.0000632) | 0.01387 (0.00773, 0.02348) |
| Lampung  | Other communicable diseases                   | 40  | 48.0 (31.5, 67.6)    | 0.0001717 (0.0001127, 0.0002420) | 0.04675 (0.03187, 0.06372) | 31.0 (19.3, 45.8)    | 0.0000119 (0.0000739, 0.0001755) | 0.04623 (0.03094, 0.06270) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 40  | 14.2 (5.5, 29.7)     | 0.0000509 (0.0000196, 0.0001062) | 0.01385 (0.00556, 0.02882) | 6.0 (2.4, 12.8)      | 0.0000229 (0.0000091, 0.0000492) | 0.00892 (0.00371, 0.01837) |
| Lampung  | Breast cancer                                 | 40  | 0.5 (0.1, 1.5)       | 0.0000018 (0.0000004, 0.0000052) | 0.00049 (0.00010, 0.00144) | 41.3 (20.8, 65.3)    | 0.0001584 (0.0000799, 0.0002502) | 0.0615 (0.03249, 0.09380)  |
| Lampung  | Cervical cancer                               | 40  |                      |                                  |                            | 22.1 (7.4, 45.3)     | 0.0000849 (0.0000282, 0.0001736) | 0.03299 (0.01137, 0.06275) |
| Lampung  | Other malignant neoplasms                     | 40  | 60.6 (39.8, 88.7)    | 0.0002171 (0.0001424, 0.0003174) | 0.05911 (0.03972, 0.08362) | 31.5 (16.4, 52.9)    | 0.0001206 (0.0000630, 0.0002027) | 0.04677 (0.02553, 0.07609) |
| Lampung  | Cerebrovascular disease                       | 40  | 175.2 (136.4, 221.7) | 0.0006274 (0.0004883, 0.0007938) | 0.17081 (0.14124, 0.20087) | 121.7 (89.3, 163.3)  | 0.0004664 (0.0003421, 0.0006259) | 0.18086 (0.15011, 0.21386) |
| Lampung  | Ischemic heart disease                        | 40  | 127.6 (93.8, 165.8)  | 0.000457 (0.0003360, 0.0005936)  | 0.1244 (0.09650, 0.15547)  | 57.5 (38.4, 79.7)    | 0.0002203 (0.0001471, 0.0003054) | 0.08553 (0.06264, 0.11077) |
| Lampung  | Other cardiovascular and circulatory diseases | 40  | 37.1 (23.1, 56.6)    | 0.0001329 (0.0000827, 0.0002025) | 0.03616 (0.02315, 0.05397) | 30.6 (18.6, 46.5)    | 0.0001172 (0.0000715, 0.0001782) | 0.04555 (0.02899, 0.06715) |
| Lampung  | Diabetes mellitus                             | 40  | 46.9 (33.4, 64.8)    | 0.0001679 (0.0001195, 0.0002319) | 0.04571 (0.03344, 0.06083) | 58.4 (40.6, 81.5)    | 0.0002238 (0.0001557, 0.0003125) | 0.08686 (0.06637, 0.11140) |
| Lampung  | Chronic kidney disease                        | 40  | 38.3 (26.7, 53.4)    | 0.0001372 (0.0000958, 0.0001913) | 0.03736 (0.02696, 0.05125) | 27.5 (17.8, 40.5)    | 0.0001056 (0.0000681, 0.0001551) | 0.04097 (0.02786, 0.05548) |
| Lampung  | Cirrhosis                                     | 40  | 84.7 (59.8, 120.6)   | 0.0003034 (0.0002140, 0.0004317) | 0.08257 (0.06033, 0.11053) | 37.8 (24.8, 54.7)    | 0.000145 (0.0000949, 0.0002096)  | 0.05632 (0.04012, 0.07757) |
| Lampung  | Chronic respiratory diseases                  | 40  | 43.3 (28.6, 61.6)    | 0.0001551 (0.0001023, 0.0002207) | 0.04222 (0.02930, 0.05730) | 22.1 (14.0, 32.8)    | 0.0000847 (0.0000537, 0.0001256) | 0.03284 (0.02208, 0.04488) |
| Lampung  | Other non-communicable diseases               | 40  | 95.9 (70.9, 127.1)   | 0.0003435 (0.0002539, 0.0004552) | 0.09349 (0.07496, 0.11777) | 66.1 (46.8, 91.2)    | 0.0002532 (0.0001793, 0.0003496) | 0.09823 (0.07762, 0.12335) |
| Lampung  | Drowning                                      | 40  | 6.6 (2.8, 12.7)      | 0.0000235 (0.0000100, 0.0000453) | 0.00639 (0.00278, 0.01192) | 2.1 (0.8, 4.2)       | 0.000008 (0.0000031, 0.0000163)  | 0.00308 (0.00126, 0.00593) |
| Lampung  | Falls                                         | 40  | 10.4 (4.9, 18.2)     | 0.0000374 (0.0000177, 0.0000650) | 0.01018 (0.00472, 0.01760) | 4.0 (1.8, 7.4)       | 0.0000155 (0.0000071, 0.0000284) | 0.00601 (0.00290, 0.01057) |
| Lampung  | Interpersonal violence                        | 40  | 4.4 (2.5, 7.1)       | 0.0000159 (0.0000089, 0.0000254) | 0.00433 (0.00250, 0.00696) | 2.1 (1.1, 3.6)       | 0.0000081 (0.0000042, 0.0000139) | 0.00313 (0.00164, 0.00523) |
| Lampung  | Self-harm                                     | 40  | 10.7 (5.2, 19.2)     | 0.0000385 (0.0000186, 0.0000689) | 0.01047 (0.00506, 0.01839) | 4.1 (1.8, 7.6)       | 0.0000157 (0.0000071, 0.0000293) | 0.0061 (0.00292, 0.01081)  |
| Lampung  | Transport injuries                            | 40  | 55.7 (35.4, 81.6)    | 0.0001993 (0.0001269, 0.0002921) | 0.05424 (0.03668, 0.07578) | 15.0 (9.0, 22.7)     | 0.0000574 (0.0000344, 0.0000872) | 0.02228 (0.01416, 0.03245) |
| Lampung  | Other unintentional injuries                  | 40  | 25.3 (15.2, 39.8)    | 0.0000906 (0.0000545, 0.0001424) | 0.02467 (0.01531, 0.03737) | 7.9 (4.6, 12.6)      | 0.0000302 (0.0000175, 0.0000482) | 0.01172 (0.00717, 0.01781) |
| Lampung  | Diarrheal diseases                            | 45  | 21.5 (12.7, 34.5)    | 0.00009 (0.0000535, 0.0001448)   | 0.01755 (0.01080, 0.02734) | 25.1 (15.3, 38.9)    | 0.0001098 (0.0000672, 0.0001701) | 0.02628 (0.01696, 0.03957) |
| Lampung  | HIV/AIDS                                      | 45  | 4.0 (1.2, 11.1)      | 0.0000169 (0.0000050, 0.0000465) | 0.00329 (0.00098, 0.00888) | 3.3 (0.9, 8.9)       | 0.0000143 (0.0000041, 0.0000391) | 0.00341 (0.00105, 0.00901) |
| Lampung  | Lower respiratory infections                  | 45  | 20.2 (10.9, 33.8)    | 0.0000848 (0.0000458, 0.0001418) | 0.01653 (0.00902, 0.02739) | 15.2 (8.2, 26.2)     | 0.0000666 (0.0000358, 0.0001145) | 0.01593 (0.00905, 0.02564) |
| Lampung  | Malaria                                       | 45  | 5.2 (1.5, 12.9)      | 0.0000216 (0.0000063, 0.0000543) | 0.00422 (0.00128, 0.01071) | 3.3 (0.9, 8.5)       | 0.0000144 (0.0000041, 0.0000374) | 0.00344 (0.00103, 0.00864) |
| Lampung  | Tuberculosis                                  | 45  | 99.5 (70.9, 132.8)   | 0.0004174 (0.0002973, 0.0005570) | 0.08129 (0.06237, 0.10246) | 53.5 (36.1, 73.3)    | 0.0002343 (0.0001582, 0.0003210) | 0.05606 (0.04035, 0.07414) |
| Lampung  | Maternal disorders                            | 45  |                      |                                  |                            | 3.3 (1.3, 6.6)       | 0.0000144 (0.0000058, 0.0000290) | 0.00343 (0.00139, 0.00667) |
| Lampung  | Other communicable diseases                   | 45  | 44.4 (28.4, 63.8)    | 0.0001863 (0.0001190, 0.0002678) | 0.03628 (0.02521, 0.05096) | 38.6 (25.6, 55.2)    | 0.0001692 (0.0001123, 0.0002417) | 0.04051 (0.02841, 0.05540) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 45  | 20.0 (8.4, 41.5)     | 0.0000837 (0.0000352, 0.0001742) | 0.01629 (0.00683, 0.03276) | 8.6 (3.4, 17.3)      | 0.0000375 (0.0000151, 0.0000757) | 0.009 (0.00380, 0.01790)   |
| Lampung  | Breast cancer                                 | 45  | 0.6 (0.2, 1.7)       | 0.0000026 (0.0000007, 0.0000069) | 0.00051 (0.00014, 0.00133) | 46.8 (23.0, 75.2)    | 0.0002051 (0.0001009, 0.0003294) | 0.04907 (0.02544, 0.07791) |
| Lampung  | Cervical cancer                               | 45  |                      |                                  |                            | 24.5 (8.4, 49.8)     | 0.0001073 (0.0000370, 0.0002180) | 0.02567 (0.00894, 0.05038) |
| Lampung  | Other malignant neoplasms                     | 45  | 56.6 (35.6, 84.8)    | 0.0002373 (0.0001495, 0.0003557) | 0.04622 (0.03083, 0.06647) | 35.3 (18.4, 59.9)    | 0.0001544 (0.0000804, 0.0002625) | 0.03692 (0.02042, 0.06130) |
| Lampung  | Cerebrovascular disease                       | 45  | 252.6 (191.9, 320.0) | 0.0010595 (0.0008051, 0.0013424) | 0.20634 (0.17223, 0.23970) | 208.7 (158.1, 271.2) | 0.0009139 (0.0006923, 0.0011877) | 0.21843 (0.18373, 0.25376) |
| Lampung  | Ischemic heart disease                        | 45  | 167.7 (120.0, 219.7) | 0.0007035 (0.0005035, 0.0009216) | 0.13697 (0.10748, 0.16907) | 87.2 (59.8, 119.1)   | 0.0003819 (0.0002617, 0.0005217) | 0.09139 (0.06697, 0.11882) |
| Lampung  | Other cardiovascular and circulatory diseases | 45  | 47.8 (29.4, 72.7)    | 0.0002007 (0.0001233, 0.0003052) | 0.03905 (0.02525, 0.05723) | 46.2 (28.7, 68.1)    | 0.0002022 (0.0001256, 0.0002984) | 0.04841 (0.03148, 0.07120) |
| Lampung  | Diabetes mellitus                             | 45  | 77.5 (55.7, 108.2)   | 0.0003252 (0.0002335, 0.0004540) | 0.06332 (0.04716, 0.08287) | 110.4 (79.2, 150.1)  | 0.0004834 (0.0003470, 0.0006575) | 0.11561 (0.08934, 0.14565) |
| Lampung  | Chronic kidney disease                        | 45  | 41.9 (28.7, 59.2)    | 0.0001757 (0.0001202, 0.0002483) | 0.03421 (0.02444, 0.04606) | 34.4 (22.7, 49.8)    | 0.0001504 (0.0000993, 0.0002181) | 0.03597 (0.02503, 0.04925) |
| Lampung  | Cirrhosis                                     | 45  | 92.2 (63.1, 131.3)   | 0.0003869 (0.0002648, 0.0005506) | 0.07533 (0.05392, 0.09964) | 50.0 (33.2, 70.5)    | 0.0002188 (0.0001452, 0.0003089) | 0.05236 (0.03707, 0.07102) |
| Lampung  | Chronic respiratory diseases                  | 45  | 55.9 (37.2, 77.6)    | 0.0002345 (0.0001560, 0.0003254) | 0.04567 (0.03197, 0.06086) | 33.9 (22.7, 48.6)    | 0.0001486 (0.0000995, 0.0002130) | 0.03553 (0.02456, 0.04834) |
| Lampung  | Other non-communicable diseases               | 45  | 98.4 (70.2, 132.2)   | 0.0004128 (0.0002947, 0.0005544) | 0.08035 (0.06310, 0.10099) | 80.5 (58.6, 111.0)   | 0.0003526 (0.0002566, 0.0004861) | 0.08432 (0.06616, 0.10587) |
| Lampung  | Drowning                                      | 45  | 5.1 (2.1, 10.3)      | 0.0000214 (0.0000087, 0.0000432) | 0.00417 (0.00177, 0.00824) | 2.3 (0.8, 4.8)       | 0.0000099 (0.0000037, 0.0000211) | 0.00238 (0.00092, 0.00474) |
| Lampung  | Falls                                         | 45  | 13.0 (5.8, 23.8)     | 0.0000544 (0.0000243, 0.0001001) | 0.01059 (0.00485, 0.01887) | 6.7 (3.1, 12.2)      | 0.0000293 (0.0000136, 0.0000534) | 0.00702 (0.00331, 0.01256) |
| Lampung  | Interpersonal violence                        | 45  | 3.9 (2.1, 6.3)       | 0.0000162 (0.0000087, 0.0000265) | 0.00316 (0.00179, 0.00504) | 2.1 (1.1, 3.8)       | 0.0000093 (0.0000046, 0.0000165) | 0.00222 (0.00110, 0.00387) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                    |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|------------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                      | CF (95% UI)                |
| Lampung  | Self-harm                                     | 45  | 10.5 (4.9, 19.2)     | 0.0000441 (0.0000207, 0.0000807) | 0.00858 (0.00415, 0.01525) | 4.5 (2.1, 8.4)       | 0.0000198 (0.0000092, 0.0000366)   | 0.00474 (0.00222, 0.00870) |
| Lampung  | Transport injuries                            | 45  | 60.7 (37.6, 90.8)    | 0.0002548 (0.0001576, 0.0003809) | 0.04959 (0.03294, 0.06897) | 20.9 (12.3, 32.5)    | 0.0000913 (0.0000538, 0.0001423)   | 0.02185 (0.01378, 0.03214) |
| Lampung  | Other unintentional injuries                  | 45  | 25.1 (14.8, 39.8)    | 0.0001052 (0.0000620, 0.0001668) | 0.02049 (0.01289, 0.03175) | 9.6 (5.6, 15.7)      | 0.000042 (0.0000247, 0.0000690)    | 0.01005 (0.00594, 0.01573) |
| Lampung  | Diarrheal diseases                            | 50  | 30.7 (18.2, 46.9)    | 0.0001571 (0.0000932, 0.0002400) | 0.02012 (0.01239, 0.02973) | 32.8 (20.5, 48.2)    | 0.0001874 (0.0001170, 0.0002753)   | 0.0297 (0.01939, 0.04151)  |
| Lampung  | HIV/AIDS                                      | 50  | 1.8 (0.5, 5.0)       | 0.0000094 (0.0000027, 0.0000257) | 0.0012 (0.00034, 0.00327)  | 1.4 (0.4, 4.1)       | 0.0000079 (0.0000023, 0.0000234)   | 0.00125 (0.00036, 0.00338) |
| Lampung  | Lower respiratory infections                  | 50  | 28.4 (15.7, 48.3)    | 0.0001452 (0.0000802, 0.0002469) | 0.01862 (0.01041, 0.03013) | 20.0 (10.9, 33.2)    | 0.0001141 (0.0000625, 0.0001900)   | 0.01807 (0.01042, 0.02886) |
| Lampung  | Malaria                                       | 50  | 5.5 (1.5, 13.8)      | 0.0000279 (0.0000077, 0.0000706) | 0.00358 (0.00105, 0.00898) | 3.2 (0.9, 8.3)       | 0.0000181 (0.0000050, 0.0000477)   | 0.00287 (0.00082, 0.00718) |
| Lampung  | Tuberculosis                                  | 50  | 115.2 (80.0, 157.8)  | 0.0005893 (0.0004092, 0.0008070) | 0.07551 (0.05772, 0.09522) | 57.4 (39.0, 80.3)    | 0.0003282 (0.0002228, 0.0004588)   | 0.05202 (0.03778, 0.06792) |
| Lampung  | Maternal disorders                            | 50  |                      |                                  |                            | 1.4 (0.4, 3.4)       | 0.0000078 (0.0000024, 0.0000193)   | 0.00124 (0.00039, 0.00314) |
| Lampung  | Other communicable diseases                   | 50  | 48.9 (30.7, 73.5)    | 0.0002501 (0.0001568, 0.0003756) | 0.03203 (0.02142, 0.04473) | 39.0 (25.0, 55.7)    | 0.0002227 (0.0001429, 0.0003182)   | 0.03531 (0.02389, 0.04892) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 50  | 26.5 (11.2, 51.8)    | 0.0001353 (0.0000573, 0.0002647) | 0.01732 (0.00755, 0.03209) | 9.3 (3.7, 18.6)      | 0.000053 (0.0000213, 0.0001065)    | 0.00841 (0.00335, 0.01715) |
| Lampung  | Breast cancer                                 | 50  | 0.6 (0.2, 1.5)       | 0.0000031 (0.0000009, 0.0000077) | 0.0004 (0.00012, 0.00095)  | 39.4 (18.4, 63.8)    | 0.0002253 (0.0001050, 0.0003645)   | 0.0357 (0.01773, 0.05764)  |
| Lampung  | Cervical cancer                               | 50  |                      |                                  |                            | 20.9 (6.9, 42.8)     | 0.0001193 (0.0000393, 0.0002446)   | 0.0189 (0.00647, 0.03765)  |
| Lampung  | Other malignant neoplasms                     | 50  | 53.2 (33.9, 80.2)    | 0.000272 (0.0001736, 0.0004103)  | 0.03487 (0.02295, 0.05032) | 35.1 (17.9, 60.1)    | 0.0002008 (0.0001025, 0.0003435)   | 0.0318 (0.01672, 0.05240)  |
| Lampung  | Cerebrovascular disease                       | 50  | 364.7 (277.3, 470.7) | 0.001865 (0.0014179, 0.0024071)  | 0.23894 (0.20373, 0.27420) | 276.5 (214.0, 357.2) | 0.0015802 (0.0012233, 0.0020414)   | 0.25017 (0.21650, 0.28545) |
| Lampung  | Ischemic heart disease                        | 50  | 217.8 (154.3, 292.1) | 0.0011138 (0.0007891, 0.0014940) | 0.14268 (0.11152, 0.17579) | 104.1 (71.8, 141.9)  | 0.0005949 (0.0004102, 0.0008111)   | 0.09426 (0.06902, 0.12335) |
| Lampung  | Other cardiovascular and circulatory diseases | 50  | 67.7 (40.0, 102.6)   | 0.000346 (0.0002046, 0.0005249)  | 0.04428 (0.02870, 0.06421) | 60.3 (37.2, 88.8)    | 0.0003447 (0.0002125, 0.0005077)   | 0.05466 (0.03513, 0.07926) |
| Lampung  | Diabetes mellitus                             | 50  | 112.2 (79.0, 156.9)  | 0.0005736 (0.0004040, 0.0008024) | 0.0735 (0.05446, 0.09616)  | 146.2 (105.4, 197.7) | 0.0008358 (0.0006022, 0.0011299)   | 0.13241 (0.10388, 0.16605) |
| Lampung  | Chronic kidney disease                        | 50  | 47.4 (32.3, 68.1)    | 0.0002426 (0.0001651, 0.0003485) | 0.03107 (0.02262, 0.04191) | 35.9 (24.0, 51.1)    | 0.0002055 (0.0001373, 0.0002920)   | 0.03253 (0.02311, 0.04358) |
| Lampung  | Cirrhosis                                     | 50  | 106.5 (72.0, 155.3)  | 0.0005445 (0.0003681, 0.0007942) | 0.0697 (0.04975, 0.09302)  | 53.4 (35.5, 76.3)    | 0.0003049 (0.0002027, 0.0004363)   | 0.04831 (0.03390, 0.06520) |
| Lampung  | Chronic respiratory diseases                  | 50  | 79.6 (53.1, 113.2)   | 0.0004069 (0.0002716, 0.0005790) | 0.05211 (0.03676, 0.06902) | 45.1 (30.1, 64.6)    | 0.0002579 (0.0001722, 0.0003694)   | 0.04082 (0.02890, 0.05530) |
| Lampung  | Other non-communicable diseases               | 50  | 112.3 (79.8, 156.1)  | 0.0005743 (0.0004083, 0.0007983) | 0.07353 (0.05815, 0.09331) | 85.0 (61.4, 115.9)   | 0.0004859 (0.0003511, 0.0006625)   | 0.07696 (0.06110, 0.09633) |
| Lampung  | Drowning                                      | 50  | 4.2 (1.6, 8.9)       | 0.0000214 (0.0000082, 0.0000453) | 0.00274 (0.00107, 0.00572) | 1.7 (0.6, 3.6)       | 0.0000097 (0.0000034, 0.0000208)   | 0.00153 (0.00057, 0.00316) |
| Lampung  | Falls                                         | 50  | 16.2 (7.3, 29.1)     | 0.0000828 (0.0000374, 0.0001487) | 0.0106 (0.00496, 0.01836)  | 7.6 (3.6, 13.6)      | 0.0000432 (0.0000208, 0.0000777)   | 0.00684 (0.00343, 0.01178) |
| Lampung  | Interpersonal violence                        | 50  | 3.2 (1.7, 5.8)       | 0.0000164 (0.0000085, 0.0000294) | 0.00211 (0.00117, 0.00356) | 1.6 (0.8, 2.9)       | 0.0000091 (0.0000044, 0.0000163)   | 0.00144 (0.00072, 0.00249) |
| Lampung  | Self-harm                                     | 50  | 9.6 (4.5, 17.9)      | 0.0000493 (0.0000232, 0.0000916) | 0.00631 (0.00308, 0.01126) | 3.7 (1.7, 7.0)       | 0.0000213 (0.0000099, 0.0000400)   | 0.00337 (0.00158, 0.00633) |
| Lampung  | Transport injuries                            | 50  | 52.2 (31.3, 79.4)    | 0.0002671 (0.0001601, 0.0004059) | 0.03423 (0.02189, 0.04860) | 16.0 (9.5, 24.8)     | 0.0000916 (0.0000543, 0.0001415)   | 0.01452 (0.00892, 0.02120) |
| Lampung  | Other unintentional injuries                  | 50  | 22.2 (12.9, 35.3)    | 0.0001136 (0.0000662, 0.0001806) | 0.01455 (0.00906, 0.02207) | 7.6 (4.4, 12.5)      | 0.0000436 (0.0000250, 0.0000714)   | 0.00691 (0.00416, 0.01083) |
| Lampung  | Diarrheal diseases                            | 55  | 35.3 (20.8, 56.0)    | 0.0002331 (0.0001374, 0.0003697) | 0.02024 (0.01267, 0.02966) | 35.2 (22.0, 51.7)    | 0.0002909 (0.0001819, 0.0004267)   | 0.03039 (0.02031, 0.04274) |
| Lampung  | HIV/AIDS                                      | 55  | 0.8 (0.2, 2.2)       | 0.0000054 (0.0000014, 0.0000143) | 0.00047 (0.00013, 0.00120) | 0.6 (0.1, 1.7)       | 0.0000047 (0.0000012, 0.0000137)   | 0.00049 (0.00013, 0.00136) |
| Lampung  | Lower respiratory infections                  | 55  | 30.3 (16.7, 49.8)    | 0.0001999 (0.0001102, 0.0003284) | 0.01738 (0.00975, 0.02767) | 20.7 (11.3, 35.0)    | 0.0001711 (0.0000935, 0.0002890)   | 0.01785 (0.01037, 0.02782) |
| Lampung  | Malaria                                       | 55  | 6.1 (1.7, 15.4)      | 0.0000402 (0.0000112, 0.0001014) | 0.0035 (0.00104, 0.00865)  | 3.0 (0.9, 7.8)       | 0.0000249 (0.0000071, 0.0000647)   | 0.0026 (0.00074, 0.00674)  |
| Lampung  | Tuberculosis                                  | 55  | 113.3 (77.3, 156.6)  | 0.0007475 (0.0005103, 0.0010332) | 0.06491 (0.04866, 0.08323) | 49.6 (33.0, 70.7)    | 0.0004101 (0.0002729, 0.0005836)   | 0.04281 (0.03030, 0.05796) |
| Lampung  | Other communicable diseases                   | 55  | 48.2 (29.7, 71.0)    | 0.000318 (0.0001957, 0.0004686)  | 0.02763 (0.01846, 0.03935) | 37.0 (23.5, 53.3)    | 0.0003054 (0.0001938, 0.0004400)   | 0.03191 (0.02135, 0.04459) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 55  | 29.5 (13.2, 59.9)    | 0.0001949 (0.0000868, 0.0003950) | 0.0169 (0.00765, 0.03231)  | 7.8 (3.2, 16.0)      | 0.0000641 (0.0000266, 0.0001325)   | 0.00671 (0.00270, 0.01383) |
| Lampung  | Breast cancer                                 | 55  | 0.6 (0.2, 1.5)       | 0.0000042 (0.0000013, 0.0000098) | 0.00036 (0.00011, 0.00085) | 29.8 (13.9, 50.4)    | 0.0002459 (0.0001148, 0.0004167)   | 0.02568 (0.01248, 0.04194) |
| Lampung  | Cervical cancer                               | 55  |                      |                                  |                            | 15.1 (5.0, 31.2)     | 0.0001251 (0.0000410, 0.0002575)   | 0.01306 (0.00425, 0.02596) |
| Lampung  | Other malignant neoplasms                     | 55  | 48.4 (29.5, 75.2)    | 0.0003192 (0.0001946, 0.0004962) | 0.02772 (0.01781, 0.04030) | 30.8 (16.1, 53.4)    | 0.0002541 (0.0001329, 0.0004411)   | 0.02651 (0.01453, 0.04362) |
| Lampung  | Cerebrovascular disease                       | 55  | 464.5 (350.0, 601.2) | 0.0030648 (0.0023095, 0.0039670) | 0.26606 (0.23063, 0.30324) | 327.0 (253.1, 412.8) | 0.0027014 (0.0020906, 0.0034105)   | 0.28183 (0.24661, 0.31959) |
| Lampung  | Ischemic heart disease                        | 55  | 272.4 (191.4, 364.0) | 0.0017971 (0.0012632, 0.0024021) | 0.15597 (0.12305, 0.19302) | 120.3 (83.7, 162.3)  | 0.0009935 (0.0006918, 0.0013408)   | 0.10374 (0.07712, 0.13359) |
| Lampung  | Other cardiovascular and circulatory diseases | 55  | 86.9 (52.1, 133.9)   | 0.0005734 (0.0003440, 0.0008833) | 0.04974 (0.03263, 0.07167) | 69.4 (43.2, 102.4)   | 0.0005729 (0.0003569, 0.0008458)   | 0.05986 (0.03875, 0.08568) |
| Lampung  | Diabetes mellitus                             | 55  | 135.7 (95.0, 192.1)  | 0.0008951 (0.0006266, 0.0012673) | 0.07771 (0.05747, 0.10119) | 158.7 (114.6, 213.4) | 0.0013109 (0.0009469, 0.0017625)   | 0.13685 (0.10691, 0.17046) |
| Lampung  | Chronic kidney disease                        | 55  | 53.1 (36.1, 78.1)    | 0.0003503 (0.0002379, 0.0005152) | 0.0304 (0.02242, 0.04060)  | 35.4 (23.6, 49.3)    | 0.0002922 (0.0001952, 0.0004074)   | 0.03048 (0.02170, 0.04062) |
| Lampung  | Cirrhosis                                     | 55  | 105.7 (69.3, 156.7)  | 0.0006971 (0.0004573, 0.0010339) | 0.06047 (0.04326, 0.08129) | 49.8 (33.4, 70.5)    | 0.0004116 (0.0002763, 0.0005826)   | 0.04296 (0.03012, 0.05829) |
| Lampung  | Chronic respiratory diseases                  | 55  | 98.5 (66.5, 139.5)   | 0.0006497 (0.0004386, 0.0009206) | 0.0564 (0.04014, 0.07331)  | 49.4 (34.1, 69.1)    | 0.0000408 (0.00002816, 0.00005706) | 0.04262 (0.03142, 0.05646) |
| Lampung  | Other non-communicable diseases               | 55  | 130.0 (91.9, 180.9)  | 0.0008576 (0.0006067, 0.0011936) | 0.07441 (0.05910, 0.09477) | 90.3 (64.4, 121.9)   | 0.0007456 (0.0005318, 0.0010070)   | 0.07781 (0.06063, 0.09764) |
| Lampung  | Drowning                                      | 55  | 2.9 (1.1, 6.2)       | 0.0000189 (0.0000076, 0.0000408) | 0.00164 (0.00066, 0.00339) | 1.2 (0.5, 2.7)       | 0.0000102 (0.0000038, 0.0000225)   | 0.00107 (0.00040, 0.00231) |
| Lampung  | Falls                                         | 55  | 17.1 (8.2, 30.3)     | 0.0001128 (0.0000540, 0.0001996) | 0.00979 (0.00498, 0.01654) | 8.0 (4.0, 14.1)      | 0.0000664 (0.0000334, 0.0001161)   | 0.00693 (0.00368, 0.01148) |
| Lampung  | Interpersonal violence                        | 55  | 2.8 (1.4, 4.9)       | 0.0000182 (0.0000091, 0.0000322) | 0.00159 (0.00085, 0.00270) | 1.2 (0.6, 2.1)       | 0.0000096 (0.0000047, 0.0000171)   | 0.001 (0.00051, 0.00184)   |
| Lampung  | Self-harm                                     | 55  | 9.7 (4.7, 17.8)      | 0.0000637 (0.0000309, 0.0001172) | 0.00553 (0.00277, 0.00976) | 3.1 (1.4, 5.9)       | 0.0000256 (0.0000119, 0.0000488)   | 0.00267 (0.00129, 0.00504) |
| Lampung  | Transport injuries                            | 55  | 35.5 (20.3, 57.4)    | 0.0002342 (0.0001341, 0.0003785) | 0.02033 (0.01246, 0.03025) | 10.4 (6.0, 16.2)     | 0.0000861 (0.0000498, 0.0001336)   | 0.00899 (0.00539, 0.01393) |
| Lampung  | Other unintentional injuries                  | 55  | 19.0 (10.9, 30.8)    | 0.0001252 (0.0000716, 0.0002035) | 0.01087 (0.00667, 0.01676) | 6.0 (3.5, 9.7)       | 0.0000495 (0.0000287, 0.0000805)   | 0.00517 (0.00308, 0.00819) |
| Lampung  | Diarrheal diseases                            | 60  | 40.6 (24.4, 62.6)    | 0.00043 (0.0002585, 0.0006625)   | 0.02229 (0.01455, 0.03257) | 47.5 (31.3, 66.9)    | 0.0005024 (0.0003312, 0.0007076)   | 0.03318 (0.02303, 0.04612) |
| Lampung  | HIV/AIDS                                      | 60  | 0.6 (0.1, 1.7)       | 0.0000061 (0.0000014, 0.0000184) | 0.00031 (0.00008, 0.00092) | 0.5 (0.1, 1.5)       | 0.0000051 (0.0000012, 0.0000158)   | 0.00034 (0.00008, 0.00100) |
| Lampung  | Lower respiratory infections                  | 60  | 41.3 (22.9, 67.3)    | 0.0004371 (0.0002426, 0.0007131) | 0.02267 (0.01342, 0.03509) | 35.6 (20.6, 55.9)    | 0.0003764 (0.0002177, 0.0005919)   | 0.02486 (0.01496, 0.03767) |
| Lampung  | Malaria                                       | 60  | 6.4 (1.8, 15.4)      | 0.0000676 (0.0000195, 0.0001633) | 0.00352 (0.00110, 0.00836) | 3.6 (1.0, 9.5)       | 0.0000376 (0.0000101, 0.0001008)   | 0.00249 (0.00068, 0.00659) |
| Lampung  | Tuberculosis                                  | 60  | 130.9 (89.3, 184.7)  | 0.0013861 (0.0009452, 0.0019557) | 0.07182 (0.05437, 0.09144) | 69.7 (46.5, 95.8)    | 0.0007381 (0.0004924, 0.0010140)   | 0.04877 (0.03478, 0.06484) |
| Lampung  | Other communicable diseases                   | 60  | 40.1 (24.0, 62.1)    | 0.0004243 (0.0002540, 0.0006573) | 0.02201 (0.01405, 0.03146) | 36.5 (22.9, 53.1)    | 0.0003866 (0.0002421, 0.0005623)   | 0.02557 (0.01644, 0.03665) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 60  | 32.2 (13.9, 64.9)    | 0.0003405 (0.0001475, 0.0006869) | 0.01762 (0.00816, 0.03304) | 8.4 (3.4, 17.3)      | 0.0000888 (0.0000364, 0.0001834)   | 0.00588 (0.00240, 0.01191) |
| Lampung  | Breast cancer                                 | 60  | 0.5 (0.2, 1.3)       | 0.0000058 (0.0000017, 0.0000140) | 0.0003 (0.00009, 0.00068)  | 24.1 (10.6, 41.0)    | 0.0002545 (0.0001126, 0.0004341)   | 0.01682 (0.00783, 0.02863) |
| Lampung  | Cervical cancer                               | 60  |                      |                                  |                            | 14.0 (4.4, 29.6)     | 0.0001483 (0.0000468, 0.0003135)   | 0.00981 (0.00311, 0.02034) |
| Lampung  | Other malignant neoplasms                     | 60  | 44.7 (27.7, 71.0)    | 0.0004731 (0.0002936, 0.0007516) | 0.02452 (0.01593, 0.03566) | 35.0 (19.2, 58.1)    | 0.00037 (0.0002028, 0.0006148)     | 0.02444 (0.01367, 0.03975) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung  | Cerebrovascular disease                       | 60  | 506.2 (385.9, 664.2) | 0.0053601 (0.0040865, 0.0070331) | 0.27778 (0.24274, 0.31270)  | 429.7 (339.4, 526.9) | 0.0045466 (0.0035914, 0.0055756) | 0.30027 (0.26509, 0.33638) |
| Lampung  | Ischemic heart disease                        | 60  | 265.4 (185.2, 365.5) | 0.0028101 (0.0019614, 0.0038707) | 0.14557 (0.11541, 0.17971)  | 148.6 (104.2, 197.0) | 0.0015725 (0.0011021, 0.0020851) | 0.10393 (0.07658, 0.13263) |
| Lampung  | Other cardiovascular and circulatory diseases | 60  | 95.9 (57.6, 145.2)   | 0.0010159 (0.0006103, 0.0015371) | 0.05261 (0.03488, 0.07438)  | 88.2 (56.6, 127.1)   | 0.0009336 (0.0005993, 0.0013447) | 0.06173 (0.04080, 0.08654) |
| Lampung  | Diabetes mellitus                             | 60  | 121.5 (84.9, 175.1)  | 0.0012863 (0.0008987, 0.0018545) | 0.06667 (0.05017, 0.08686)  | 169.7 (125.5, 223.7) | 0.001796 (0.0013285, 0.0023673)  | 0.11868 (0.09315, 0.14751) |
| Lampung  | Chronic kidney disease                        | 60  | 48.8 (33.1, 71.6)    | 0.0005172 (0.0003510, 0.0007583) | 0.0268 (0.01990, 0.03569)   | 38.1 (25.7, 53.4)    | 0.0004032 (0.0002720, 0.0005647) | 0.02663 (0.01876, 0.03557) |
| Lampung  | Cirrhosis                                     | 60  | 91.8 (60.6, 138.0)   | 0.0009726 (0.0006418, 0.0014609) | 0.05036 (0.03591, 0.06831)  | 52.4 (34.9, 73.6)    | 0.0005544 (0.0003698, 0.0007791) | 0.03663 (0.02555, 0.05024) |
| Lampung  | Chronic respiratory diseases                  | 60  | 138.7 (96.0, 196.8)  | 0.0014682 (0.0010164, 0.0020834) | 0.07606 (0.05632, 0.09743)  | 79.0 (56.1, 107.1)   | 0.000836 (0.0005938, 0.0011329)  | 0.05523 (0.04114, 0.07201) |
| Lampung  | Other non-communicable diseases               | 60  | 146.0 (103.2, 205.6) | 0.0015455 (0.0010933, 0.0021774) | 0.08005 (0.06327, 0.09955)  | 120.0 (87.6, 159.4)  | 0.0012693 (0.0009272, 0.0016864) | 0.08383 (0.06585, 0.10400) |
| Lampung  | Drowning                                      | 60  | 2.2 (0.7, 4.7)       | 0.0000232 (0.0000079, 0.0000495) | 0.0012 (0.00043, 0.00253)   | 1.2 (0.4, 2.9)       | 0.000013 (0.0000040, 0.0000308)  | 0.00086 (0.00028, 0.00193) |
| Lampung  | Falls                                         | 60  | 14.5 (6.8, 25.8)     | 0.0001536 (0.0000716, 0.0002733) | 0.00796 (0.00399, 0.01354)  | 8.5 (4.5, 14.3)      | 0.0000903 (0.0000473, 0.0001513) | 0.00597 (0.00317, 0.00963) |
| Lampung  | Interpersonal violence                        | 60  | 1.9 (0.9, 3.5)       | 0.00002 (0.0000092, 0.0000367)   | 0.00104 (0.00050, 0.00184)  | 0.9 (0.4, 1.7)       | 0.0000097 (0.0000044, 0.0000185) | 0.00064 (0.00030, 0.00124) |
| Lampung  | Self-harm                                     | 60  | 7.5 (3.4, 14.2)      | 0.0000792 (0.0000365, 0.0001499) | 0.0041 (0.00198, 0.00738)   | 2.7 (1.2, 5.5)       | 0.000029 (0.0000128, 0.0000584)  | 0.00191 (0.00086, 0.00377) |
| Lampung  | Transport injuries                            | 60  | 29.8 (16.9, 48.0)    | 0.0003151 (0.0001792, 0.0005079) | 0.01633 (0.01009, 0.02410)  | 10.7 (6.2, 17.0)     | 0.0001132 (0.0000652, 0.0001798) | 0.00748 (0.00433, 0.01167) |
| Lampung  | Other unintentional injuries                  | 60  | 15.3 (8.7, 25.5)     | 0.0001624 (0.0000925, 0.0002704) | 0.00841 (0.00498, 0.01314)  | 5.8 (3.2, 9.6)       | 0.0000614 (0.0000341, 0.0001021) | 0.00405 (0.00232, 0.00652) |
| Lampung  | Diarrheal diseases                            | 65  | 68.4 (43.4, 103.3)   | 0.0009549 (0.0006057, 0.0014430) | 0.03468 (0.02399, 0.04745)  | 78.6 (54.8, 106.6)   | 0.0011355 (0.0007911, 0.0015388) | 0.04971 (0.03658, 0.06572) |
| Lampung  | HIV/AIDS                                      | 65  | 0.6 (0.1, 1.6)       | 0.0000079 (0.0000020, 0.0000224) | 0.00029 (0.00001, 0.000085) | 0.5 (0.1, 1.5)       | 0.0000068 (0.0000017, 0.0000210) | 0.0003 (0.00007, 0.000087) |
| Lampung  | Lower respiratory infections                  | 65  | 50.7 (28.1, 83.5)    | 0.0007086 (0.0003919, 0.0011661) | 0.02573 (0.01518, 0.03946)  | 44.6 (26.2, 71.1)    | 0.0006436 (0.0003785, 0.0010264) | 0.02815 (0.01744, 0.04207) |
| Lampung  | Malaria                                       | 65  | 6.6 (1.9, 16.5)      | 0.0000922 (0.0000263, 0.0002307) | 0.00336 (0.00102, 0.00823)  | 3.4 (0.9, 9.0)       | 0.000049 (0.0000130, 0.0001305)  | 0.00215 (0.00056, 0.00573) |
| Lampung  | Tuberculosis                                  | 65  | 141.6 (94.5, 203.4)  | 0.0019773 (0.0013193, 0.0028399) | 0.07175 (0.05350, 0.09011)  | 71.8 (47.5, 98.0)    | 0.0010367 (0.0006862, 0.0014154) | 0.04539 (0.03126, 0.06024) |
| Lampung  | Other communicable diseases                   | 65  | 40.0 (22.9, 64.8)    | 0.0005592 (0.0003194, 0.0009048) | 0.02031 (0.01292, 0.02996)  | 36.8 (22.6, 55.6)    | 0.0005309 (0.0003267, 0.0008033) | 0.02324 (0.01462, 0.03346) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 65  | 31.1 (12.7, 61.9)    | 0.0004337 (0.0001772, 0.0008647) | 0.01572 (0.00725, 0.03020)  | 6.9 (2.7, 14.5)      | 0.0001002 (0.0000396, 0.0002095) | 0.00439 (0.00178, 0.00927) |
| Lampung  | Breast cancer                                 | 65  | 0.5 (0.1, 1.1)       | 0.0000063 (0.0000017, 0.0000155) | 0.00023 (0.00006, 0.00056)  | 17.2 (7.1, 30.0)     | 0.0002487 (0.0001032, 0.0004334) | 0.01089 (0.00476, 0.01898) |
| Lampung  | Cervical cancer                               | 65  |                      |                                  |                             | 10.4 (3.2, 23.0)     | 0.0001508 (0.0000462, 0.0003325) | 0.0066 (0.00201, 0.01394)  |
| Lampung  | Other malignant neoplasms                     | 65  | 36.9 (22.2, 59.1)    | 0.0005152 (0.0003105, 0.0008254) | 0.01871 (0.01234, 0.02717)  | 34.8 (19.8, 55.0)    | 0.0005019 (0.0002863, 0.0007946) | 0.02195 (0.01267, 0.03441) |
| Lampung  | Cerebrovascular disease                       | 65  | 566.8 (430.7, 755.9) | 0.0079155 (0.0060140, 0.0105565) | 0.28734 (0.25151, 0.32260)  | 500.1 (399.0, 611.1) | 0.0072226 (0.0057626, 0.0088250) | 0.31596 (0.28061, 0.35376) |
| Lampung  | Ischemic heart disease                        | 65  | 277.7 (193.0, 390.9) | 0.0038782 (0.0026952, 0.0054583) | 0.14074 (0.11032, 0.17502)  | 158.0 (110.6, 210.7) | 0.0022813 (0.0015970, 0.0030429) | 0.09986 (0.07281, 0.12857) |
| Lampung  | Other cardiovascular and circulatory diseases | 65  | 113.2 (69.0, 174.7)  | 0.0015808 (0.0009633, 0.0024390) | 0.05734 (0.03839, 0.08026)  | 106.5 (70.2, 151.5)  | 0.0015373 (0.0010134, 0.0021879) | 0.06732 (0.04499, 0.09435) |
| Lampung  | Diabetes mellitus                             | 65  | 104.7 (71.1, 153.6)  | 0.0014614 (0.0009925, 0.0021455) | 0.05306 (0.03950, 0.06989)  | 152.1 (110.3, 202.9) | 0.0021968 (0.0015933, 0.0029297) | 0.09612 (0.07366, 0.12195) |
| Lampung  | Chronic kidney disease                        | 65  | 48.9 (32.9, 73.3)    | 0.0006824 (0.0004592, 0.0010232) | 0.02477 (0.01849, 0.03341)  | 38.6 (25.9, 53.3)    | 0.0005569 (0.0003747, 0.0007693) | 0.02437 (0.01710, 0.03252) |
| Lampung  | Cirrhosis                                     | 65  | 78.2 (49.0, 120.3)   | 0.0010924 (0.0006839, 0.0016797) | 0.03962 (0.02759, 0.05467)  | 47.3 (31.3, 67.5)    | 0.0006828 (0.0004525, 0.0009748) | 0.02988 (0.02058, 0.04149) |
| Lampung  | Chronic respiratory diseases                  | 65  | 164.2 (111.8, 234.2) | 0.0022936 (0.0015609, 0.0032704) | 0.08323 (0.06270, 0.10392)  | 95.6 (68.1, 128.4)   | 0.0013802 (0.0009831, 0.0018540) | 0.06038 (0.04518, 0.07770) |
| Lampung  | Other non-communicable diseases               | 65  | 175.7 (124.6, 249.6) | 0.0024531 (0.0017402, 0.0034850) | 0.08897 (0.07107, 0.11060)  | 149.2 (110.2, 195.5) | 0.0021539 (0.0015911, 0.0028231) | 0.09423 (0.07536, 0.11679) |
| Lampung  | Drowning                                      | 65  | 1.9 (0.6, 4.4)       | 0.0000268 (0.0000085, 0.0000608) | 0.00097 (0.00031, 0.00230)  | 1.2 (0.4, 2.9)       | 0.0000176 (0.0000053, 0.0000422) | 0.00077 (0.00023, 0.00183) |
| Lampung  | Falls                                         | 65  | 16.2 (7.7, 29.3)     | 0.0002258 (0.0001078, 0.0004089) | 0.00819 (0.00422, 0.01381)  | 10.3 (5.4, 17.6)     | 0.000149 (0.0000777, 0.0002541)  | 0.00652 (0.00351, 0.01063) |
| Lampung  | Interpersonal violence                        | 65  | 1.5 (0.7, 3.0)       | 0.0000213 (0.0000094, 0.0000424) | 0.00077 (0.00036, 0.00150)  | 0.7 (0.3, 1.5)       | 0.0000104 (0.0000043, 0.0000215) | 0.00046 (0.00019, 0.00093) |
| Lampung  | Self-harm                                     | 65  | 6.9 (3.1, 13.7)      | 0.0000958 (0.0000429, 0.0001914) | 0.00347 (0.00166, 0.00644)  | 2.4 (1.1, 5.0)       | 0.0000345 (0.0000153, 0.0000716) | 0.00151 (0.00069, 0.00305) |
| Lampung  | Transport injuries                            | 65  | 26.2 (14.7, 43.7)    | 0.000366 (0.0002046, 0.0006104)  | 0.01329 (0.00784, 0.02078)  | 9.9 (5.3, 16.1)      | 0.0001431 (0.0000772, 0.0002321) | 0.00627 (0.00341, 0.00996) |
| Lampung  | Other unintentional injuries                  | 65  | 14.7 (8.1, 25.7)     | 0.0002052 (0.0001134, 0.0003585) | 0.00744 (0.00442, 0.01146)  | 5.7 (3.1, 9.5)       | 0.0000817 (0.0000441, 0.0001375) | 0.00358 (0.00200, 0.00590) |
| Lampung  | Diarrheal diseases                            | 70  | 109.7 (72.6, 161.9)  | 0.0020599 (0.0013637, 0.0030396) | 0.04748 (0.03424, 0.06196)  | 128.5 (93.6, 168.9)  | 0.0023338 (0.0016988, 0.0030665) | 0.0629 (0.04845, 0.07939)  |
| Lampung  | HIV/AIDS                                      | 70  | 0.9 (0.2, 2.5)       | 0.000016 (0.0000039, 0.0000473)  | 0.00037 (0.00009, 0.00112)  | 0.8 (0.2, 2.3)       | 0.0000137 (0.0000033, 0.0000425) | 0.00037 (0.00009, 0.00113) |
| Lampung  | Lower respiratory infections                  | 70  | 74.7 (42.5, 123.6)   | 0.001402 (0.0007983, 0.0023209)  | 0.0323 (0.01945, 0.04789)   | 70.2 (43.3, 107.5)   | 0.0012747 (0.0007853, 0.0019528) | 0.03434 (0.02185, 0.05016) |
| Lampung  | Malaria                                       | 70  | 6.8 (1.8, 17.2)      | 0.0001274 (0.0000343, 0.0003234) | 0.00294 (0.00085, 0.00742)  | 3.6 (1.0, 9.8)       | 0.0000662 (0.0000176, 0.0001780) | 0.00178 (0.00048, 0.00478) |
| Lampung  | Tuberculosis                                  | 70  | 162.4 (107.7, 238.2) | 0.0030482 (0.0020217, 0.0044725) | 0.07023 (0.05173, 0.09021)  | 91.5 (60.7, 125.6)   | 0.0016611 (0.0011025, 0.0022807) | 0.04478 (0.03081, 0.05990) |
| Lampung  | Other communicable diseases                   | 70  | 48.3 (27.8, 77.6)    | 0.0009077 (0.0005214, 0.0014566) | 0.02093 (0.01254, 0.03094)  | 45.0 (26.5, 66.5)    | 0.0008178 (0.0004810, 0.0012070) | 0.02204 (0.01328, 0.03233) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 70  | 32.0 (13.5, 64.6)    | 0.0005999 (0.0002532, 0.0012120) | 0.0138 (0.00637, 0.02666)   | 7.3 (3.1, 15.5)      | 0.0001325 (0.0000555, 0.0002806) | 0.00358 (0.00149, 0.00755) |
| Lampung  | Breast cancer                                 | 70  | 0.4 (0.1, 1.0)       | 0.0000067 (0.0000016, 0.0000182) | 0.00015 (0.00004, 0.00039)  | 13.2 (5.5, 23.6)     | 0.0002392 (0.0001004, 0.0004289) | 0.00645 (0.00276, 0.01137) |
| Lampung  | Cervical cancer                               | 70  |                      |                                  |                             | 7.7 (2.1, 17.2)      | 0.000139 (0.0000390, 0.0003125)  | 0.00375 (0.00106, 0.00808) |
| Lampung  | Other malignant neoplasms                     | 70  | 32.0 (19.4, 50.8)    | 0.0005999 (0.0003641, 0.0009544) | 0.01382 (0.00881, 0.02058)  | 34.8 (20.4, 54.7)    | 0.0006327 (0.0003705, 0.0009925) | 0.01705 (0.01026, 0.02628) |
| Lampung  | Cerebrovascular disease                       | 70  | 662.6 (498.7, 894.0) | 0.0124393 (0.0093620, 0.0167847) | 0.28644 (0.25134, 0.32185)  | 656.8 (540.8, 782.9) | 0.0119264 (0.0098202, 0.0142159) | 0.3213 (0.28525, 0.35812)  |
| Lampung  | Ischemic heart disease                        | 70  | 302.6 (207.4, 430.3) | 0.0056816 (0.0038937, 0.0080787) | 0.13076 (0.10255, 0.16209)  | 205.1 (146.6, 268.3) | 0.0037248 (0.0026618, 0.0048711) | 0.10041 (0.07396, 0.12832) |
| Lampung  | Other cardiovascular and circulatory diseases | 70  | 141.0 (85.8, 220.0)  | 0.0026478 (0.0016110, 0.0041312) | 0.0609 (0.04068, 0.08542)   | 146.4 (97.1, 206.4)  | 0.0026577 (0.0017633, 0.0037477) | 0.07164 (0.04844, 0.09902) |
| Lampung  | Diabetes mellitus                             | 70  | 88.7 (59.2, 133.0)   | 0.0016652 (0.0011123, 0.0024961) | 0.03833 (0.02811, 0.05094)  | 147.2 (105.9, 195.3) | 0.0026728 (0.0019229, 0.0035454) | 0.07201 (0.05502, 0.09222) |
| Lampung  | Chronic kidney disease                        | 70  | 48.2 (32.2, 73.8)    | 0.0009055 (0.0006048, 0.0013862) | 0.02086 (0.01532, 0.02819)  | 43.2 (29.4, 59.8)    | 0.0007844 (0.0005337, 0.0010852) | 0.02114 (0.01507, 0.02807) |
| Lampung  | Cirrhosis                                     | 70  | 75.9 (47.7, 118.1)   | 0.0014251 (0.0008957, 0.0022176) | 0.03278 (0.02305, 0.04596)  | 51.0 (34.8, 71.9)    | 0.000926 (0.0006319, 0.0013055)  | 0.02496 (0.01741, 0.03473) |
| Lampung  | Chronic respiratory diseases                  | 70  | 230.4 (160.4, 334.3) | 0.0043249 (0.0030116, 0.0062768) | 0.09951 (0.07780, 0.12306)  | 145.2 (106.5, 191.0) | 0.0026367 (0.0019333, 0.0034688) | 0.07104 (0.05412, 0.09006) |
| Lampung  | Other non-communicable diseases               | 70  | 221.2 (155.7, 315.7) | 0.0041536 (0.0029228, 0.0059276) | 0.09555 (0.07690, 0.11869)  | 209.3 (158.2, 267.4) | 0.0038005 (0.0028730, 0.0048553) | 0.1024 (0.08160, 0.12661)  |
| Lampung  | Drowning                                      | 70  | 3.7 (1.5, 7.5)       | 0.0000689 (0.0000278, 0.0001404) | 0.00159 (0.00067, 0.00324)  | 2.4 (0.9, 5.3)       | 0.0000433 (0.0000170, 0.0000965) | 0.00117 (0.00046, 0.00251) |
| Lampung  | Falls                                         | 70  | 20.4 (9.8, 36.3)     | 0.0003839 (0.0001849, 0.0006811) | 0.00884 (0.00459, 0.01419)  | 13.6 (7.2, 22.3)     | 0.0002473 (0.0001312, 0.0004055) | 0.00666 (0.00365, 0.01049) |
| Lampung  | Interpersonal violence                        | 70  | 1.2 (0.5, 2.7)       | 0.0000228 (0.0000090, 0.0000503) | 0.00053 (0.00022, 0.00107)  | 0.6 (0.2, 1.4)       | 0.0000114 (0.0000044, 0.0000250) | 0.00031 (0.00011, 0.00070) |
| Lampung  | Self-harm                                     | 70  | 6.4 (2.8, 13.0)      | 0.0001203 (0.0000523, 0.0002438) | 0.00277 (0.00128, 0.00503)  | 2.5 (1.1, 5.2)       | 0.0000446 (0.0000197, 0.0000953) | 0.0012 (0.00052, 0.00244)  |
| Lampung  | Transport injuries                            | 70  | 28.2 (15.5, 46.5)    | 0.0005287 (0.0002906, 0.0008734) | 0.01218 (0.00729, 0.01890)  | 11.2 (6.3, 18.0)     | 0.0002039 (0.0001136, 0.0003276) | 0.0055 (0.00312, 0.00883)  |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                   |                            | Females                    |                                  |                            |
|----------|----------------------------------------------------------|-----|----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung  | Other unintentional injuries                             | 70  | 16.1 (8.8, 27.5)           | 0.0003016 (0.0001647, 0.0005164)  | 0.00694 (0.00419, 0.01100) | 6.6 (3.6, 11.1)            | 0.0001203 (0.0000649, 0.0002012) | 0.00324 (0.00180, 0.00544) |
| Lampung  | Diarrheal diseases                                       | 75  | 105.0 (69.7, 156.0)        | 0.0033175 (0.0022030, 0.0049298)  | 0.0552 (0.04102, 0.07101)  | 135.1 (100.6, 174.9)       | 0.004233 (0.0031500, 0.0054787)  | 0.07139 (0.05506, 0.08935) |
| Lampung  | HIV/AIDS                                                 | 75  | 0.5 (0.1, 1.6)             | 0.0000171 (0.0000040, 0.0000497)  | 0.00028 (0.00007, 0.00083) | 0.5 (0.1, 1.6)             | 0.000016 (0.0000040, 0.0000513)  | 0.00027 (0.00007, 0.00086) |
| Lampung  | Lower respiratory infections                             | 75  | 63.7 (35.9, 107.4)         | 0.0020121 (0.0011338, 0.0033946)  | 0.03348 (0.02076, 0.04949) | 64.9 (40.0, 97.3)          | 0.0020342 (0.0012518, 0.0030483) | 0.0343 (0.02208, 0.04983)  |
| Lampung  | Malaria                                                  | 75  | 5.6 (1.5, 15.1)            | 0.000178 (0.0000484, 0.0004759)   | 0.00297 (0.00082, 0.00777) | 3.3 (0.9, 9.2)             | 0.000102 (0.0000267, 0.0002896)  | 0.00172 (0.00045, 0.00478) |
| Lampung  | Tuberculosis                                             | 75  | 114.0 (73.9, 172.1)        | 0.0036027 (0.0023344, 0.0054385)  | 0.05995 (0.04315, 0.07820) | 67.9 (44.7, 95.2)          | 0.0021257 (0.0014002, 0.0029824) | 0.03585 (0.02411, 0.04917) |
| Lampung  | Other communicable diseases                              | 75  | 37.2 (20.6, 61.5)          | 0.0011768 (0.0006510, 0.0019429)  | 0.01959 (0.01168, 0.03007) | 38.5 (22.6, 58.2)          | 0.001205 (0.0007066, 0.0018220)  | 0.02033 (0.01258, 0.03065) |
| Lampung  | Tracheal, bronchus, and lung cancer                      | 75  | 20.3 (8.4, 41.4)           | 0.0006403 (0.0002642, 0.0013088)  | 0.01065 (0.00479, 0.02064) | 4.9 (2.1, 10.2)            | 0.0001545 (0.0000642, 0.0003201) | 0.00261 (0.00109, 0.00547) |
| Lampung  | Breast cancer                                            | 75  | 0.2 (0.0, 0.6)             | 0.0000061 (0.0000014, 0.0000174)  | 0.0001 (0.00002, 0.00028)  | 7.8 (3.1, 14.4)            | 0.0002429 (0.0000982, 0.0004525) | 0.0041 (0.00167, 0.00765)  |
| Lampung  | Cervical cancer                                          | 75  |                            |                                   |                            | 4.5 (1.1, 10.4)            | 0.0001413 (0.0000354, 0.0003258) | 0.00238 (0.00059, 0.00538) |
| Lampung  | Other malignant neoplasms                                | 75  | 19.8 (11.7, 32.7)          | 0.0006251 (0.0003693, 0.0010340)  | 0.01041 (0.00666, 0.01532) | 27.0 (16.1, 42.0)          | 0.0008454 (0.0005058, 0.0013171) | 0.01425 (0.00862, 0.02180) |
| Lampung  | Cerebrovascular disease                                  | 75  | 543.5 (405.7, 754.0)       | 0.017176 (0.0128205, 0.0238272)   | 0.28566 (0.24795, 0.32335) | 614.3 (507.1, 729.1)       | 0.0192407 (0.0158837, 0.0228381) | 0.32435 (0.28629, 0.36339) |
| Lampung  | Ischemic heart disease                                   | 75  | 270.1 (183.3, 391.2)       | 0.0085359 (0.0057921, 0.0123639)  | 0.14196 (0.11141, 0.17685) | 206.7 (150.3, 268.5)       | 0.0064743 (0.0047080, 0.0084106) | 0.10922 (0.08182, 0.14118) |
| Lampung  | Other cardiovascular and circulatory diseases            | 75  | 118.9 (71.1, 188.0)        | 0.0037576 (0.0022456, 0.0059409)  | 0.06243 (0.04191, 0.08732) | 139.9 (92.5, 195.0)        | 0.0043836 (0.0028971, 0.0061071) | 0.07393 (0.04940, 0.10221) |
| Lampung  | Diabetes mellitus                                        | 75  | 61.0 (40.8, 94.0)          | 0.0019278 (0.0012894, 0.0029716)  | 0.03207 (0.02378, 0.04314) | 115.0 (84.1, 152.2)        | 0.0036023 (0.0026344, 0.0047662) | 0.06074 (0.04546, 0.07821) |
| Lampung  | Chronic kidney disease                                   | 75  | 35.5 (23.1, 54.7)          | 0.001123 (0.0007315, 0.0017294)   | 0.01868 (0.01343, 0.02559) | 35.7 (24.1, 48.7)          | 0.0011194 (0.0007554, 0.0015240) | 0.01888 (0.01313, 0.02546) |
| Lampung  | Cirrhosis                                                | 75  | 54.4 (33.5, 87.3)          | 0.0017206 (0.0010596, 0.0027589)  | 0.02857 (0.02017, 0.04010) | 41.7 (28.3, 59.6)          | 0.0013067 (0.0008867, 0.0018664) | 0.02204 (0.01545, 0.03075) |
| Lampung  | Chronic respiratory diseases                             | 75  | 186.5 (128.0, 275.4)       | 0.0058937 (0.0040449, 0.0087042)  | 0.09796 (0.07652, 0.12114) | 129.8 (94.4, 170.0)        | 0.0040667 (0.0029570, 0.0053249) | 0.06857 (0.05186, 0.08708) |
| Lampung  | Other non-communicable diseases                          | 75  | 207.6 (145.6, 299.3)       | 0.0065589 (0.0046010, 0.0094573)  | 0.10902 (0.08766, 0.13494) | 223.0 (171.1, 283.4)       | 0.0069844 (0.0053581, 0.0088785) | 0.11776 (0.09383, 0.14490) |
| Lampung  | Drowning                                                 | 75  | 4.1 (1.7, 8.7)             | 0.00013 (0.0000527, 0.0002753)    | 0.00216 (0.00090, 0.00433) | 3.0 (1.2, 6.1)             | 0.0000927 (0.0000372, 0.0001905) | 0.00156 (0.00063, 0.00314) |
| Lampung  | Falls                                                    | 75  | 19.8 (9.6, 34.6)           | 0.0006257 (0.0003039, 0.0010920)  | 0.0104 (0.00542, 0.01663)  | 14.5 (8.0, 23.0)           | 0.0004547 (0.0002512, 0.0007213) | 0.00767 (0.00425, 0.01186) |
| Lampung  | Interpersonal violence                                   | 75  | 0.8 (0.2, 1.9)             | 0.0000241 (0.0000077, 0.0000600)  | 0.0004 (0.00013, 0.00101)  | 0.4 (0.1, 1.1)             | 0.000013 (0.0000040, 0.0000341)  | 0.00022 (0.00007, 0.00059) |
| Lampung  | Self-harm                                                | 75  | 4.9 (2.0, 10.0)            | 0.0001548 (0.0000634, 0.0003155)  | 0.00258 (0.00115, 0.00503) | 2.0 (0.8, 4.2)             | 0.000062 (0.0000255, 0.0001313)  | 0.00105 (0.00044, 0.00214) |
| Lampung  | Transport injuries                                       | 75  | 17.0 (8.6, 29.9)           | 0.0005375 (0.0002709, 0.0009459)  | 0.00893 (0.00483, 0.01465) | 7.6 (3.9, 12.3)            | 0.0002309 (0.0001214, 0.0003856) | 0.0039 (0.00206, 0.00651)  |
| Lampung  | Other unintentional injuries                             | 75  | 12.5 (6.5, 21.7)           | 0.0003949 (0.0002065, 0.0006852)  | 0.00656 (0.00385, 0.01061) | 5.6 (2.9, 9.6)             | 0.0001739 (0.0000916, 0.0002996) | 0.00293 (0.00157, 0.00490) |
| Lampung  | Diarrheal diseases                                       | 80  | 293.8 (216.7, 394.5)       | 0.0111557 (0.0082279, 0.0149771)  | 0.0892 (0.06842, 0.11138)  | 402.6 (316.5, 495.6)       | 0.0141007 (0.0110861, 0.0173606) | 0.10498 (0.08398, 0.12712) |
| Lampung  | HIV/AIDS                                                 | 80  | 1.0 (0.2, 3.1)             | 0.0000363 (0.0000066, 0.0001181)  | 0.00029 (0.00005, 0.00094) | 1.0 (0.2, 3.5)             | 0.0000034 (0.0000065, 0.0001225) | 0.00026 (0.00005, 0.00090) |
| Lampung  | Lower respiratory infections                             | 80  | 127.5 (75.2, 201.1)        | 0.0048406 (0.0028555, 0.0076340)  | 0.03868 (0.02426, 0.05758) | 146.5 (91.1, 216.9)        | 0.0051315 (0.0031925, 0.0075971) | 0.0382 (0.02390, 0.05565)  |
| Lampung  | Malaria                                                  | 80  | 10.5 (2.8, 29.0)           | 0.0003975 (0.0001055, 0.0011026)  | 0.00319 (0.00088, 0.00867) | 6.7 (1.7, 20.2)            | 0.0002356 (0.0000610, 0.0007070) | 0.00175 (0.00045, 0.00517) |
| Lampung  | Tuberculosis                                             | 80  | 183.2 (118.6, 264.4)       | 0.0069566 (0.0045043, 0.0100362)  | 0.05562 (0.03795, 0.07515) | 129.7 (83.1, 182.1)        | 0.0045437 (0.0029105, 0.0063776) | 0.03383 (0.02211, 0.04706) |
| Lampung  | Other communicable diseases                              | 80  | 70.8 (41.1, 108.5)         | 0.0026894 (0.0015599, 0.0041203)  | 0.02152 (0.01258, 0.03263) | 77.7 (45.9, 117.4)         | 0.00272 (0.0016094, 0.0041108)   | 0.02025 (0.01237, 0.03013) |
| Lampung  | Tracheal, bronchus, and lung cancer                      | 80  | 26.5 (10.9, 55.9)          | 0.0010057 (0.0004126, 0.0021208)  | 0.00803 (0.00350, 0.01599) | 8.0 (3.2, 16.8)            | 0.0002813 (0.0001133, 0.0005871) | 0.00209 (0.00083, 0.00441) |
| Lampung  | Breast cancer                                            | 80  | 0.3 (0.1, 0.7)             | 0.0000096 (0.0000020, 0.0000282)  | 0.00008 (0.00002, 0.00023) | 10.2 (3.7, 20.2)           | 0.000357 (0.0001289, 0.0007061)  | 0.00266 (0.00097, 0.00526) |
| Lampung  | Cervical cancer                                          | 80  |                            |                                   |                            | 5.1 (1.2, 13.7)            | 0.0001785 (0.0000432, 0.0004790) | 0.00133 (0.00032, 0.00349) |
| Lampung  | Other malignant neoplasms                                | 80  | 27.6 (16.5, 43.5)          | 0.0010487 (0.0006269, 0.0016522)  | 0.00838 (0.00523, 0.01248) | 42.1 (24.6, 63.7)          | 0.0014758 (0.0008609, 0.0022322) | 0.01099 (0.00653, 0.01654) |
| Lampung  | Cerebrovascular disease                                  | 80  | 921.5 (738.4, 1,170.3)     | 0.0349833 (0.0280344, 0.0444290)  | 0.27959 (0.24250, 0.31618) | 1,223.9 (1,044.1, 1,415.7) | 0.0428705 (0.0365724, 0.0495869) | 0.31908 (0.28132, 0.35620) |
| Lampung  | Ischemic heart disease                                   | 80  | 418.5 (304.1, 570.9)       | 0.0158883 (0.0115445, 0.0216727)  | 0.12697 (0.09830, 0.15968) | 405.6 (299.9, 519.2)       | 0.0142066 (0.0105053, 0.0181849) | 0.10577 (0.07908, 0.13431) |
| Lampung  | Other cardiovascular and circulatory diseases            | 80  | 190.7 (117.1, 285.0)       | 0.0072394 (0.0044464, 0.0108188)  | 0.05782 (0.03812, 0.08213) | 258.8 (170.5, 363.3)       | 0.0090666 (0.0059739, 0.0127244) | 0.06751 (0.04538, 0.09453) |
| Lampung  | Diabetes mellitus                                        | 80  | 83.0 (56.8, 121.4)         | 0.0031494 (0.0021581, 0.0046071)  | 0.02517 (0.01777, 0.03487) | 185.7 (133.5, 248.6)       | 0.006504 (0.0046754, 0.0087091)  | 0.04841 (0.03525, 0.06403) |
| Lampung  | Chronic kidney disease                                   | 80  | 50.1 (33.5, 75.1)          | 0.0019035 (0.0012705, 0.0028499)  | 0.01521 (0.01070, 0.02165) | 60.1 (41.3, 83.9)          | 0.0021037 (0.0014456, 0.0029402) | 0.01566 (0.01080, 0.02183) |
| Lampung  | Cirrhosis                                                | 80  | 77.8 (50.4, 116.5)         | 0.0029542 (0.0019142, 0.0044240)  | 0.0236 (0.01599, 0.03345)  | 69.0 (46.6, 99.1)          | 0.0024172 (0.0016311, 0.0034696) | 0.01799 (0.01236, 0.02552) |
| Lampung  | Chronic respiratory diseases                             | 80  | 323.9 (240.2, 445.1)       | 0.0122972 (0.0091176, 0.0168979)  | 0.09822 (0.07702, 0.12244) | 252.4 (186.8, 327.4)       | 0.0088415 (0.0065448, 0.0114673) | 0.06582 (0.04956, 0.08423) |
| Lampung  | Other non-communicable diseases                          | 80  | 389.2 (293.1, 522.2)       | 0.0147748 (0.0111274, 0.0198267)  | 0.11803 (0.09572, 0.14612) | 486.6 (388.2, 601.2)       | 0.0170446 (0.0135994, 0.0210586) | 0.12687 (0.10194, 0.15395) |
| Lampung  | Drowning                                                 | 80  | 6.6 (2.5, 14.0)            | 0.0002488 (0.0000947, 0.0005304)  | 0.00199 (0.00078, 0.00424) | 5.0 (1.8, 10.9)            | 0.0001747 (0.0000648, 0.0003829) | 0.0013 (0.00049, 0.00283)  |
| Lampung  | Falls                                                    | 80  | 42.0 (22.0, 70.9)          | 0.001594 (0.0008337, 0.0026910)   | 0.01274 (0.00670, 0.01995) | 33.3 (18.5, 51.2)          | 0.0011658 (0.0006469, 0.0017937) | 0.00868 (0.00484, 0.01310) |
| Lampung  | Interpersonal violence                                   | 80  | 1.0 (0.2, 2.9)             | 0.0000372 (0.0000070, 0.0001117)  | 0.0003 (0.00006, 0.00090)  | 0.6 (0.1, 2.0)             | 0.0000216 (0.0000049, 0.0000717) | 0.00016 (0.00004, 0.00052) |
| Lampung  | Self-harm                                                | 80  | 7.6 (2.9, 15.5)            | 0.0002875 (0.0001110, 0.0005899)  | 0.0023 (0.00090, 0.00464)  | 3.6 (1.3, 8.0)             | 0.0001252 (0.0000459, 0.0002806) | 0.00093 (0.00034, 0.00205) |
| Lampung  | Transport injuries                                       | 80  | 23.9 (11.7, 43.2)          | 0.0009056 (0.0004454, 0.0016404)  | 0.00723 (0.00369, 0.01233) | 11.4 (5.4, 20.5)           | 0.000399 (0.0001886, 0.0007183)  | 0.00297 (0.00142, 0.00531) |
| Lampung  | Other unintentional injuries                             | 80  | 19.3 (9.8, 34.0)           | 0.000731 (0.0003710, 0.0012919)   | 0.00584 (0.00304, 0.00992) | 9.6 (5.1, 17.1)            | 0.0003359 (0.0001790, 0.0005987) | 0.0025 (0.00133, 0.00452)  |
| Lampung  | Diarrheal diseases                                       | All | 1,149.4 (818.4, 1,585.0)   | 0.0002727 (0.0001942, 0.0003760)  | 0.04965 (0.03692, 0.06403) | 1,339.5 (998.5, 1,736.4)   | 0.0003369 (0.0002511, 0.0004368) | 0.07069 (0.05446, 0.08929) |
| Lampung  | HIV/AIDS                                                 | All | 87.5 (30.6, 217.4)         | 0.0000207 (0.0000073, 0.0000516)  | 0.00379 (0.00136, 0.00942) | 50.6 (17.0, 126.8)         | 0.0000127 (0.0000043, 0.0000319) | 0.00266 (0.00089, 0.00650) |
| Lampung  | Lower respiratory infections                             | All | 920.7 (600.7, 1,323.3)     | 0.0002184 (0.0001425, 0.0003140)  | 0.0398 (0.02764, 0.05514)  | 734.8 (496.0, 1,050.1)     | 0.0001848 (0.0001248, 0.0002641) | 0.03875 (0.02657, 0.05291) |
| Lampung  | Malaria                                                  | All | 102.1 (32.2, 254.6)        | 0.0000242 (0.0000077, 0.0000604)  | 0.00442 (0.00144, 0.01095) | 58.2 (18.3, 158.3)         | 0.0000147 (0.0000046, 0.0000398) | 0.00307 (0.00099, 0.00799) |
| Lampung  | Tuberculosis                                             | All | 1,566.2 (1,112.5, 2,131.5) | 0.0003716 (0.0002640, 0.0005057)  | 0.0676 (0.05104, 0.08546)  | 800.4 (550.3, 1,087.1)     | 0.0002013 (0.0001384, 0.0002734) | 0.04221 (0.03057, 0.05578) |
| Lampung  | Maternal disorders                                       | All |                            |                                   |                            | 111.7 (71.1, 170.3)        | 0.0000281 (0.0000179, 0.0000428) | 0.00588 (0.00389, 0.00844) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 458.0 (217.3, 757.8)       | 0.0001087 (0.0000516, 0.0001798)  | 0.01978 (0.00948, 0.03329) | 296.5 (151.7, 510.0)       | 0.0000746 (0.0000382, 0.0001283) | 0.01556 (0.00807, 0.02604) |
| Lampung  | Preterm birth complications                              | All | 411.2 (187.8, 702.5)       | 0.0000976 (0.0000445, 0.0001667)  | 0.01777 (0.00810, 0.03027) | 357.4 (177.7, 602.9)       | 0.0000899 (0.0000447, 0.0001517) | 0.01877 (0.00964, 0.03154) |
| Lampung  | Other neonatal disorders                                 | All | 141.3 (46.0, 317.8)        | 0.0000335 (0.0000109, 0.0000754)  | 0.00611 (0.00201, 0.01382) | 88.6 (27.3, 203.7)         | 0.0000223 (0.0000069, 0.0000512) | 0.00465 (0.00151, 0.01040) |
| Lampung  | Other communicable diseases                              | All | 1,191.3 (842.4, 1,591.3)   | 0.00002826 (0.0001999, 0.0003775) | 0.05157 (0.03762, 0.06716) | 880.5 (617.9, 1,190.3)     | 0.0002215 (0.0001554, 0.0002994) | 0.04647 (0.03379, 0.06179) |
| Lampung  | Tracheal, bronchus, and lung cancer                      | All | 258.6 (115.1, 518.5)       | 0.0000613 (0.0000273, 0.0001230)  | 0.01114 (0.00508, 0.02090) | 81.3 (35.4, 162.3)         | 0.0000204 (0.0000089, 0.0000408) | 0.00429 (0.00185, 0.00862) |
| Lampung  | Breast cancer                                            | All | 4.7 (1.5, 11.7)            | 0.0000011 (0.0000004, 0.0000028)  | 0.0002 (0.00007, 0.00047)  | 302.4 (142.2, 491.3)       | 0.0000761 (0.0000358, 0.0001236) | 0.01592 (0.00789, 0.02542) |



Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Lampung         | Cervical cancer                                          | All |                            |                                  |                            | 157.7 (52.4, 325.6)        | 0.0000397 (0.0000132, 0.0000819) | 0.00831 (0.00274, 0.01703) |
| Lampung         | Other malignant neoplasms                                | All | 537.3 (345.3, 798.6)       | 0.0001275 (0.0000819, 0.0001895) | 0.02322 (0.01528, 0.03305) | 454.4 (276.7, 705.6)       | 0.0001143 (0.0000696, 0.0001775) | 0.02394 (0.01440, 0.03644) |
| Lampung         | Cerebrovascular disease                                  | All | 4,704.3 (3,633.7, 6,123.4) | 0.0011161 (0.0008621, 0.0014528) | 0.20276 (0.17326, 0.23598) | 4,534.3 (3,695.6, 5,463.2) | 0.0001140 (0.0009296, 0.0013742) | 0.23915 (0.20819, 0.27216) |
| Lampung         | Ischemic heart disease                                   | All | 2,520.7 (1,813.7, 3,393.1) | 0.0005981 (0.0004303, 0.0008050) | 0.10866 (0.08395, 0.13461) | 1,586.0 (1,136.8, 2,078.3) | 0.0003989 (0.0002860, 0.0005228) | 0.08368 (0.06160, 0.10778) |
| Lampung         | Other cardiovascular and circulatory diseases            | All | 981.6 (603.7, 1,499.1)     | 0.0002329 (0.0001432, 0.0003557) | 0.04227 (0.02827, 0.05961) | 1,020.9 (672.6, 1,457.5)   | 0.0002568 (0.0001692, 0.0003666) | 0.05388 (0.03550, 0.07508) |
| Lampung         | Diabetes mellitus                                        | All | 879.7 (618.1, 1,261.4)     | 0.0002087 (0.0001466, 0.0002993) | 0.03793 (0.02822, 0.04991) | 1,312.2 (968.4, 1,738.9)   | 0.0003301 (0.0002436, 0.0004374) | 0.06917 (0.05302, 0.08798) |
| Lampung         | Chronic kidney disease                                   | All | 530.3 (370.6, 758.8)       | 0.0001258 (0.0000879, 0.0001800) | 0.02288 (0.01705, 0.03084) | 450.7 (307.8, 617.8)       | 0.0001134 (0.0000774, 0.0001554) | 0.02376 (0.01668, 0.03213) |
| Lampung         | Cirrhosis                                                | All | 975.8 (661.7, 1,415.4)     | 0.0002315 (0.0001570, 0.0003358) | 0.0421 (0.03021, 0.05652)  | 546.1 (372.9, 758.6)       | 0.0001374 (0.0000938, 0.0001908) | 0.02879 (0.02026, 0.03932) |
| Lampung         | Chronic respiratory diseases                             | All | 1,448.4 (1,022.9, 2,019.8) | 0.0003436 (0.0002427, 0.0004792) | 0.06242 (0.04760, 0.07897) | 922.5 (671.1, 1,227.3)     | 0.000232 (0.0001688, 0.0003087)  | 0.04866 (0.03631, 0.06212) |
| Lampung         | Other non-communicable diseases                          | All | 2,338.8 (1,789.4, 3,095.1) | 0.0005549 (0.0004245, 0.0007343) | 0.10092 (0.08414, 0.12110) | 2,175.4 (1,743.5, 2,714.6) | 0.0005472 (0.0004385, 0.0006828) | 0.11474 (0.09582, 0.13689) |
| Lampung         | Drowning                                                 | All | 185.0 (106.4, 278.6)       | 0.0000439 (0.0000252, 0.0000661) | 0.00803 (0.00470, 0.01227) | 61.4 (34.2, 100.8)         | 0.0000154 (0.0000086, 0.0000254) | 0.00324 (0.00179, 0.00530) |
| Lampung         | Falls                                                    | All | 234.6 (117.3, 395.7)       | 0.0000557 (0.0000278, 0.0000939) | 0.01012 (0.00524, 0.01616) | 127.9 (70.2, 204.8)        | 0.0000322 (0.0000177, 0.0000515) | 0.00675 (0.00374, 0.01060) |
| Lampung         | Interpersonal violence                                   | All | 66.1 (40.8, 101.0)         | 0.0000157 (0.0000097, 0.0000240) | 0.00286 (0.00183, 0.00423) | 35.3 (20.3, 54.9)          | 0.0000089 (0.0000051, 0.0000138) | 0.00186 (0.00111, 0.00286) |
| Lampung         | Self-harm                                                | All | 154.3 (81.0, 264.3)        | 0.0000366 (0.0000192, 0.0000627) | 0.00666 (0.00354, 0.01110) | 65.6 (34.0, 115.4)         | 0.0000165 (0.0000086, 0.0000290) | 0.00346 (0.00183, 0.00591) |
| Lampung         | Transport injuries                                       | All | 927.2 (642.9, 1,300.8)     | 0.00022 (0.0001525, 0.0003086)   | 0.04009 (0.02901, 0.05317) | 273.3 (177.2, 383.6)       | 0.0000687 (0.0000446, 0.0000965) | 0.01442 (0.00981, 0.02028) |
| Lampung         | Other unintentional injuries                             | All | 398.8 (259.4, 595.2)       | 0.0000946 (0.0000615, 0.0001412) | 0.01724 (0.01132, 0.02464) | 137.9 (87.8, 207.8)        | 0.0000347 (0.0000221, 0.0000523) | 0.00727 (0.00473, 0.01089) |
| Bangka Belitung | Diarrheal diseases                                       | NN  | 3.8 (1.4, 8.3)             | 0.003481 (0.0012453, 0.0076044)  | 0.00945 (0.00463, 0.01667) | 3.0 (1.1, 6.6)             | 0.0026912 (0.0010224, 0.0059795) | 0.01043 (0.00518, 0.01816) |
| Bangka Belitung | Lower respiratory infections                             | NN  | 32.8 (14.2, 57.9)          | 0.030262 (0.0131307, 0.0533888)  | 0.08218 (0.05523, 0.11443) | 19.0 (8.3, 34.4)           | 0.0171197 (0.0075224, 0.0310693) | 0.06626 (0.04307, 0.09279) |
| Bangka Belitung | Malaria                                                  | NN  | 0.6 (0.1, 1.8)             | 0.0005297 (0.0000782, 0.0016976) | 0.00144 (0.00023, 0.00465) | 0.3 (0.0, 1.1)             | 0.0003036 (0.0000445, 0.0009987) | 0.00118 (0.00019, 0.00376) |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 115.1 (56.7, 192.6)        | 0.1061284 (0.0522632, 0.1775208) | 0.28783 (0.22521, 0.35384) | 73.8 (35.4, 125.9)         | 0.0666322 (0.0319939, 0.1136739) | 0.25847 (0.20067, 0.32421) |
| Bangka Belitung | Preterm birth complications                              | NN  | 117.8 (56.4, 193.0)        | 0.1085662 (0.0519585, 0.1779182) | 0.2959 (0.21546, 0.37129)  | 99.5 (48.8, 172.5)         | 0.0898544 (0.0440675, 0.1556785) | 0.34789 (0.26654, 0.42137) |
| Bangka Belitung | Other neonatal disorders                                 | NN  | 36.3 (8.9, 86.6)           | 0.033421 (0.0081647, 0.0797934)  | 0.09008 (0.02977, 0.18207) | 21.8 (5.1, 52.0)           | 0.0197109 (0.0046350, 0.0469562) | 0.07666 (0.02563, 0.15654) |
| Bangka Belitung | Other communicable diseases                              | NN  | 4.2 (1.4, 8.4)             | 0.0038516 (0.0013282, 0.0077763) | 0.01048 (0.00527, 0.01827) | 2.3 (0.7, 4.8)             | 0.0020494 (0.0006758, 0.0043462) | 0.00799 (0.00374, 0.01437) |
| Bangka Belitung | Other malignant neoplasms                                | NN  | 2.7 (0.9, 5.7)             | 0.0025018 (0.0008203, 0.0052882) | 0.00677 (0.00331, 0.01189) | 2.1 (0.8, 4.9)             | 0.0019322 (0.0006972, 0.0044260) | 0.0075 (0.00372, 0.01334)  |
| Bangka Belitung | Cerebrovascular disease                                  | NN  | 1.1 (0.3, 2.9)             | 0.0009735 (0.0002363, 0.0026959) | 0.00264 (0.00085, 0.00626) | 1.1 (0.2, 3.0)             | 0.0009721 (0.0002210, 0.0027481) | 0.00373 (0.00119, 0.00869) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 2.9)             | 0.000881 (0.0001773, 0.0026579)  | 0.00239 (0.00061, 0.00643) | 0.9 (0.2, 2.6)             | 0.0008293 (0.0001621, 0.0023324) | 0.00323 (0.00086, 0.00901) |
| Bangka Belitung | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.9)             | 0.0002252 (0.0000010, 0.0017203) | 0.00065 (0.00000, 0.00558) | 0.3 (0.0, 2.3)             | 0.0002859 (0.0000014, 0.0020874) | 0.00112 (0.00001, 0.00972) |
| Bangka Belitung | Other non-communicable diseases                          | NN  | 61.9 (30.2, 99.2)          | 0.0570803 (0.0278558, 0.0914504) | 0.15504 (0.12438, 0.18558) | 55.1 (27.5, 94.5)          | 0.0497171 (0.0248478, 0.0852671) | 0.19277 (0.15820, 0.23098) |
| Bangka Belitung | Drowning                                                 | NN  | 4.0 (1.2, 10.1)            | 0.0036604 (0.0010812, 0.0093152) | 0.00991 (0.00395, 0.02086) | 0.9 (0.2, 2.2)             | 0.0007773 (0.0002043, 0.0019934) | 0.00304 (0.00109, 0.00678) |
| Bangka Belitung | Falls                                                    | NN  | 1.8 (0.5, 4.4)             | 0.0017023 (0.0004658, 0.0040689) | 0.00463 (0.00178, 0.00959) | 0.6 (0.1, 1.4)             | 0.000507 (0.0001289, 0.0012895)  | 0.00196 (0.00067, 0.00426) |
| Bangka Belitung | Interpersonal violence                                   | NN  | 1.8 (0.4, 4.7)             | 0.0016433 (0.0004109, 0.0042915) | 0.00444 (0.00156, 0.00996) | 1.0 (0.3, 2.5)             | 0.0008658 (0.0002322, 0.0022508) | 0.00335 (0.00117, 0.00745) |
| Bangka Belitung | Transport injuries                                       | NN  | 3.4 (1.1, 7.6)             | 0.0031734 (0.0010589, 0.0069762) | 0.00862 (0.00381, 0.01643) | 0.8 (0.2, 1.8)             | 0.0007074 (0.0002128, 0.0016496) | 0.00273 (0.00110, 0.00544) |
| Bangka Belitung | Other unintentional injuries                             | NN  | 11.0 (4.1, 22.7)           | 0.010132 (0.0037828, 0.0209033)  | 0.02756 (0.01480, 0.04525) | 3.4 (1.2, 7.4)             | 0.0030294 (0.0011218, 0.0066745) | 0.01171 (0.00611, 0.02025) |
| Bangka Belitung | Diarrheal diseases                                       | PNN | 59.4 (27.1, 106.2)         | 0.0043877 (0.0020001, 0.0078400) | 0.21921 (0.13965, 0.30151) | 66.1 (30.7, 118.4)         | 0.0047819 (0.0022193, 0.0085596) | 0.26839 (0.17959, 0.35646) |
| Bangka Belitung | HIV/AIDS                                                 | PNN | 2.7 (0.5, 8.9)             | 0.000202 (0.0000367, 0.0006560)  | 0.01021 (0.00208, 0.03036) | 2.2 (0.4, 7.3)             | 0.0001578 (0.0000259, 0.0005283) | 0.00899 (0.00166, 0.02827) |
| Bangka Belitung | Lower respiratory infections                             | PNN | 37.9 (16.5, 68.5)          | 0.0028015 (0.0012157, 0.0050586) | 0.13963 (0.09496, 0.19042) | 29.4 (12.6, 53.6)          | 0.0021275 (0.0009096, 0.0038737) | 0.119 (0.07774, 0.16744)   |
| Bangka Belitung | Malaria                                                  | PNN | 8.9 (1.4, 26.5)            | 0.0006549 (0.0001046, 0.0019546) | 0.0328 (0.00574, 0.09611)  | 7.4 (1.2, 23.8)            | 0.0005332 (0.0000839, 0.0017179) | 0.02982 (0.00530, 0.08720) |
| Bangka Belitung | Tuberculosis                                             | PNN | 5.5 (1.7, 12.3)            | 0.0004086 (0.0001232, 0.0009074) | 0.02042 (0.00841, 0.04003) | 4.6 (1.4, 10.5)            | 0.0003363 (0.0001023, 0.0007585) | 0.01896 (0.00753, 0.03720) |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 4.2 (1.2, 10.7)            | 0.0003122 (0.0000907, 0.0007902) | 0.01558 (0.00546, 0.03478) | 3.5 (1.0, 9.0)             | 0.0002512 (0.0000717, 0.0006475) | 0.01415 (0.00488, 0.03240) |
| Bangka Belitung | Preterm birth complications                              | PNN | 11.9 (4.3, 24.8)           | 0.000877 (0.0003202, 0.0018295)  | 0.04386 (0.02058, 0.08691) | 14.8 (5.4, 33.7)           | 0.0010693 (0.0003890, 0.0024338) | 0.05974 (0.02917, 0.11122) |
| Bangka Belitung | Other neonatal disorders                                 | PNN | 4.7 (0.8, 14.0)            | 0.0003501 (0.0000596, 0.0010367) | 0.01744 (0.00359, 0.04837) | 3.8 (0.7, 11.4)            | 0.0002769 (0.0000474, 0.0008273) | 0.01555 (0.00304, 0.04369) |
| Bangka Belitung | Other communicable diseases                              | PNN | 73.5 (33.3, 127.2)         | 0.0054255 (0.0024612, 0.0093943) | 0.27025 (0.18093, 0.36018) | 56.6 (23.3, 103.6)         | 0.0040917 (0.0016853, 0.0074931) | 0.22883 (0.14454, 0.31789) |
| Bangka Belitung | Other malignant neoplasms                                | PNN | 1.7 (0.6, 3.6)             | 0.0001285 (0.0000446, 0.0002685) | 0.00639 (0.00312, 0.01125) | 1.8 (0.7, 3.8)             | 0.0001272 (0.0000482, 0.0002727) | 0.00713 (0.00353, 0.01281) |
| Bangka Belitung | Cerebrovascular disease                                  | PNN | 0.7 (0.2, 1.9)             | 0.0000499 (0.0000129, 0.0001382) | 0.00249 (0.00078, 0.00591) | 0.9 (0.2, 2.4)             | 0.0000636 (0.0000157, 0.0001757) | 0.00355 (0.00114, 0.00817) |
| Bangka Belitung | Ischemic heart disease                                   | PNN | 0.4 (0.0, 1.6)             | 0.0000261 (0.0000015, 0.0001192) | 0.00128 (0.00010, 0.00609) | 0.5 (0.0, 2.1)             | 0.000034 (0.0000021, 0.0001537)  | 0.00187 (0.00014, 0.00862) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | PNN | 0.6 (0.1, 1.7)             | 0.000045 (0.0000091, 0.0001289)  | 0.00224 (0.00056, 0.00618) | 0.8 (0.2, 2.2)             | 0.0000546 (0.0000109, 0.0001605) | 0.00305 (0.00081, 0.00844) |
| Bangka Belitung | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.3)             | 0.0000122 (0.0000001, 0.0000973) | 0.00061 (0.00000, 0.00522) | 0.3 (0.0, 2.2)             | 0.0000191 (0.0000001, 0.0001601) | 0.00107 (0.00001, 0.00930) |
| Bangka Belitung | Chronic kidney disease                                   | PNN | 2.9 (1.0, 6.6)             | 0.000214 (0.0000738, 0.0004870)  | 0.0106 (0.00496, 0.01969)  | 3.1 (1.1, 7.1)             | 0.0002243 (0.0000796, 0.0005164) | 0.01254 (0.00589, 0.02311) |
| Bangka Belitung | Other non-communicable diseases                          | PNN | 39.4 (19.6, 66.2)          | 0.0029066 (0.0014479, 0.0048856) | 0.14513 (0.11470, 0.17534) | 44.8 (21.5, 77.0)          | 0.0032375 (0.0015528, 0.0055666) | 0.18161 (0.14821, 0.21842) |
| Bangka Belitung | Drowning                                                 | PNN | 3.1 (1.0, 7.3)             | 0.0002312 (0.0000749, 0.0005358) | 0.01155 (0.00472, 0.02360) | 0.9 (0.2, 2.3)             | 0.000064 (0.0000176, 0.0001690)  | 0.00358 (0.00129, 0.00772) |
| Bangka Belitung | Falls                                                    | PNN | 1.4 (0.4, 3.3)             | 0.0001037 (0.0000317, 0.0002468) | 0.00518 (0.00207, 0.01041) | 0.6 (0.2, 1.4)             | 0.0000399 (0.0000109, 0.0000999) | 0.00222 (0.00079, 0.00462) |
| Bangka Belitung | Interpersonal violence                                   | PNN | 1.3 (0.4, 3.5)             | 0.0000975 (0.0000290, 0.0002548) | 0.00487 (0.00177, 0.01065) | 0.9 (0.3, 2.3)             | 0.0000662 (0.0000187, 0.0001664) | 0.00372 (0.00134, 0.00805) |
| Bangka Belitung | Transport injuries                                       | PNN | 2.7 (0.9, 5.9)             | 0.000199 (0.0000698, 0.0004370)  | 0.00993 (0.00454, 0.01865) | 0.8 (0.3, 1.8)             | 0.0000571 (0.0000186, 0.0001299) | 0.00319 (0.00133, 0.00624) |
| Bangka Belitung | Other unintentional injuries                             | PNN | 8.2 (3.6, 16.5)            | 0.0006075 (0.0002623, 0.0012219) | 0.03034 (0.01681, 0.04844) | 3.2 (1.3, 6.7)             | 0.0002347 (0.0000906, 0.0004874) | 0.01306 (0.00713, 0.02176) |
| Bangka Belitung | Diarrheal diseases                                       | 1   | 14.9 (5.1, 33.2)           | 0.0002526 (0.0000868, 0.0005626) | 0.11469 (0.06507, 0.17791) | 16.9 (6.4, 33.9)           | 0.0003126 (0.0001184, 0.0006290) | 0.15703 (0.09335, 0.23040) |
| Bangka Belitung | HIV/AIDS                                                 | 1   | 1.6 (0.3, 6.2)             | 0.000028 (0.0000043, 0.0001043)  | 0.01245 (0.00264, 0.03625) | 1.4 (0.2, 4.6)             | 0.0000251 (0.0000037, 0.0000856) | 0.01234 (0.00239, 0.03634) |
| Bangka Belitung | Lower respiratory infections                             | 1   | 21.6 (8.5, 44.6)           | 0.0003654 (0.0001441, 0.0007553) | 0.16692 (0.11338, 0.22810) | 17.2 (7.2, 34.0)           | 0.0003191 (0.0001340, 0.0006299) | 0.16073 (0.10456, 0.22401) |
| Bangka Belitung | Malaria                                                  | 1   | 1.8 (0.3, 6.3)             | 0.0000305 (0.0000047, 0.0001066) | 0.01385 (0.00239, 0.03990) | 1.5 (0.2, 5.3)             | 0.0000282 (0.0000042, 0.0000978) | 0.01412 (0.00252, 0.04208) |
| Bangka Belitung | Tuberculosis                                             | 1   | 3.4 (0.9, 8.0)             | 0.0000571 (0.0000152, 0.0001363) | 0.02621 (0.01120, 0.04946) | 2.9 (0.9, 7.2)             | 0.0000546 (0.0000164, 0.0001335) | 0.0275 (0.01141, 0.05256)  |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males             |                                  |                             | Females           |                                  |                            |
|-----------------|----------------------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.2 (0.3, 3.4)    | 0.0000208 (0.0000047, 0.0000581) | 0.00946 (0.00310, 0.02230)  | 1.0 (0.2, 2.6)    | 0.0000182 (0.0000044, 0.0000491) | 0.00911 (0.00297, 0.02148) |
| Bangka Belitung | Preterm birth complications                              | 1   | 0.7 (0.1, 2.5)    | 0.0000115 (0.0000018, 0.0000424) | 0.00518 (0.00113, 0.01541)  | 0.8 (0.1, 2.7)    | 0.0000151 (0.0000025, 0.0000503) | 0.00751 (0.00167, 0.02200) |
| Bangka Belitung | Other neonatal disorders                                 | 1   | 0.2 (0.0, 1.4)    | 0.0000033 (0.0000000, 0.0000239) | 0.00154 (0.00001, 0.01114)  | 0.2 (0.0, 1.1)    | 0.0000028 (0.0000000, 0.0000201) | 0.00145 (0.00001, 0.01045) |
| Bangka Belitung | Other communicable diseases                              | 1   | 40.2 (16.1, 78.5) | 0.0006807 (0.0002728, 0.0013311) | 0.31226 (0.23594, 0.38550)  | 32.2 (13.9, 63.7) | 0.0005962 (0.0002580, 0.0011816) | 0.30091 (0.21868, 0.38554) |
| Bangka Belitung | Other malignant neoplasms                                | 1   | 0.7 (0.2, 1.7)    | 0.0000123 (0.0000038, 0.0000294) | 0.00056 (0.000263, 0.01000) | 0.8 (0.3, 1.9)    | 0.0000145 (0.0000051, 0.0000344) | 0.0073 (0.00361, 0.01314)  |
| Bangka Belitung | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.8)    | 0.0000052 (0.0000011, 0.0000141) | 0.00238 (0.00071, 0.00589)  | 0.4 (0.1, 1.2)    | 0.0000079 (0.0000018, 0.0000216) | 0.00395 (0.00121, 0.00961) |
| Bangka Belitung | Ischemic heart disease                                   | 1   | 0.2 (0.0, 0.7)    | 0.0000027 (0.0000002, 0.0000119) | 0.00124 (0.00009, 0.00580)  | 0.2 (0.0, 1.1)    | 0.0000042 (0.0000003, 0.0000203) | 0.00212 (0.00016, 0.00936) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 1   | 0.3 (0.0, 0.8)    | 0.0000044 (0.0000008, 0.0000137) | 0.00202 (0.00048, 0.00552)  | 0.3 (0.1, 1.0)    | 0.0000063 (0.0000013, 0.0000192) | 0.00319 (0.00086, 0.00905) |
| Bangka Belitung | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.6)    | 0.0000012 (0.0000000, 0.0000099) | 0.00054 (0.00000, 0.00435)  | 0.1 (0.0, 0.9)    | 0.0000022 (0.0000000, 0.0000176) | 0.00111 (0.00001, 0.00940) |
| Bangka Belitung | Chronic kidney disease                                   | 1   | 1.2 (0.3, 3.0)    | 0.0000198 (0.0000058, 0.0000503) | 0.00897 (0.00407, 0.01743)  | 1.3 (0.4, 3.1)    | 0.0000246 (0.0000076, 0.0000574) | 0.01239 (0.00590, 0.02313) |
| Bangka Belitung | Cirrhosis                                                | 1   | 1.2 (0.3, 3.2)    | 0.0000208 (0.0000053, 0.0000536) | 0.00947 (0.00362, 0.02065)  | 0.7 (0.2, 1.9)    | 0.0000134 (0.0000035, 0.0000349) | 0.00673 (0.00253, 0.01470) |
| Bangka Belitung | Chronic respiratory diseases                             | 1   | 2.4 (0.6, 5.9)    | 0.0000405 (0.0000106, 0.0001006) | 0.01839 (0.00643, 0.03639)  | 1.1 (0.3, 2.9)    | 0.0000212 (0.0000052, 0.0000543) | 0.01064 (0.00329, 0.02300) |
| Bangka Belitung | Other non-communicable diseases                          | 1   | 16.4 (6.4, 33.5)  | 0.0002787 (0.0001092, 0.0005681) | 0.12722 (0.09787, 0.16385)  | 19.9 (9.1, 39.0)  | 0.0003682 (0.0001679, 0.0007226) | 0.18562 (0.14676, 0.22839) |
| Bangka Belitung | Drowning                                                 | 1   | 5.4 (1.4, 13.4)   | 0.0000918 (0.0000235, 0.0002278) | 0.04141 (0.01894, 0.07497)  | 1.6 (0.5, 3.9)    | 0.0000304 (0.0000083, 0.0000729) | 0.01526 (0.00576, 0.03077) |
| Bangka Belitung | Falls                                                    | 1   | 1.7 (0.4, 4.3)    | 0.0000284 (0.0000075, 0.0000734) | 0.01294 (0.00546, 0.02429)  | 0.7 (0.2, 1.7)    | 0.0000131 (0.0000037, 0.0000317) | 0.00654 (0.00248, 0.01365) |
| Bangka Belitung | Interpersonal violence                                   | 1   | 1.3 (0.3, 3.4)    | 0.0000221 (0.0000057, 0.0000571) | 0.01002 (0.00355, 0.02015)  | 1.0 (0.3, 2.6)    | 0.000018 (0.0000049, 0.0000489)  | 0.00902 (0.00314, 0.01842) |
| Bangka Belitung | Transport injuries                                       | 1   | 4.1 (1.2, 9.5)    | 0.0000697 (0.0000206, 0.0001609) | 0.03186 (0.01571, 0.05427)  | 1.3 (0.4, 2.9)    | 0.0000242 (0.0000074, 0.0000543) | 0.01217 (0.00543, 0.02229) |
| Bangka Belitung | Other unintentional injuries                             | 1   | 8.4 (2.9, 19.4)   | 0.0001429 (0.0000499, 0.0003288) | 0.06538 (0.03729, 0.09908)  | 3.6 (1.3, 7.4)    | 0.000066 (0.0000242, 0.0001381)  | 0.03228 (0.01731, 0.05347) |
| Bangka Belitung | Diarrheal diseases                                       | 5   | 3.5 (1.8, 5.8)    | 0.0000527 (0.0000277, 0.0000877) | 0.07073 (0.03924, 0.11418)  | 3.7 (2.1, 5.8)    | 0.0000562 (0.0000316, 0.0000875) | 0.10384 (0.06014, 0.15962) |
| Bangka Belitung | HIV/AIDS                                                 | 5   | 0.3 (0.0, 0.9)    | 0.000004 (0.0000006, 0.0000132)  | 0.00541 (0.00083, 0.01804)  | 0.2 (0.0, 0.7)    | 0.0000031 (0.0000005, 0.0000106) | 0.00569 (0.00088, 0.01995) |
| Bangka Belitung | Lower respiratory infections                             | 5   | 3.4 (1.9, 5.4)    | 0.0000509 (0.0000287, 0.0000807) | 0.06835 (0.03888, 0.10478)  | 2.5 (1.4, 4.0)    | 0.0000381 (0.0000211, 0.0000605) | 0.0705 (0.03944, 0.10928)  |
| Bangka Belitung | Malaria                                                  | 5   | 0.4 (0.1, 1.3)    | 0.0000063 (0.0000011, 0.0000199) | 0.0085 (0.00150, 0.02588)   | 0.3 (0.1, 1.0)    | 0.000005 (0.0000009, 0.0000147)  | 0.00926 (0.00171, 0.02676) |
| Bangka Belitung | Tuberculosis                                             | 5   | 0.8 (0.3, 1.5)    | 0.0000115 (0.0000047, 0.0000222) | 0.01545 (0.00640, 0.02978)  | 0.6 (0.3, 1.2)    | 0.0000094 (0.0000039, 0.0000184) | 0.01734 (0.00715, 0.03355) |
| Bangka Belitung | Other communicable diseases                              | 5   | 9.5 (6.6, 13.0)   | 0.0001419 (0.0000985, 0.0001945) | 0.19032 (0.13728, 0.24980)  | 7.0 (4.7, 9.6)    | 0.0001063 (0.0000712, 0.0001454) | 0.19633 (0.13655, 0.25802) |
| Bangka Belitung | Other malignant neoplasms                                | 5   | 1.8 (0.9, 3.1)    | 0.0000264 (0.0000137, 0.0000460) | 0.03545 (0.01889, 0.05953)  | 1.8 (1.0, 2.9)    | 0.000027 (0.0000145, 0.0000444)  | 0.04994 (0.02766, 0.07997) |
| Bangka Belitung | Cerebrovascular disease                                  | 5   | 0.5 (0.2, 1.0)    | 0.0000074 (0.0000033, 0.0000147) | 0.00996 (0.00456, 0.01900)  | 0.6 (0.3, 1.2)    | 0.0000095 (0.0000047, 0.0000178) | 0.01756 (0.00864, 0.03243) |
| Bangka Belitung | Ischemic heart disease                                   | 5   | 0.3 (0.1, 0.6)    | 0.0000044 (0.0000016, 0.0000092) | 0.00593 (0.00212, 0.01218)  | 0.4 (0.1, 0.7)    | 0.0000058 (0.0000022, 0.0000113) | 0.01073 (0.00398, 0.02073) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 5   | 0.5 (0.2, 1.1)    | 0.0000071 (0.0000025, 0.0000172) | 0.00951 (0.00350, 0.02255)  | 0.6 (0.2, 1.2)    | 0.0000086 (0.0000032, 0.0000182) | 0.01581 (0.00623, 0.03443) |
| Bangka Belitung | Diabetes mellitus                                        | 5   | 0.3 (0.1, 0.8)    | 0.0000052 (0.0000019, 0.0000121) | 0.00691 (0.00260, 0.01646)  | 0.6 (0.2, 1.2)    | 0.0000083 (0.0000032, 0.0000188) | 0.01541 (0.00599, 0.03457) |
| Bangka Belitung | Chronic kidney disease                                   | 5   | 1.0 (0.5, 1.7)    | 0.0000144 (0.0000069, 0.0000261) | 0.01938 (0.00906, 0.03538)  | 1.0 (0.5, 1.8)    | 0.0000156 (0.0000079, 0.0000272) | 0.02886 (0.01445, 0.04989) |
| Bangka Belitung | Cirrhosis                                                | 5   | 1.3 (0.6, 2.3)    | 0.0000195 (0.0000094, 0.0000347) | 0.02613 (0.01258, 0.04532)  | 0.7 (0.4, 1.3)    | 0.0000109 (0.0000054, 0.0000195) | 0.02023 (0.00981, 0.03522) |
| Bangka Belitung | Chronic respiratory diseases                             | 5   | 0.7 (0.3, 1.5)    | 0.000011 (0.0000044, 0.0000221)  | 0.01481 (0.00590, 0.02957)  | 0.3 (0.1, 0.7)    | 0.0000049 (0.0000019, 0.0000104) | 0.00915 (0.00350, 0.01891) |
| Bangka Belitung | Other non-communicable diseases                          | 5   | 5.8 (3.9, 7.9)    | 0.0000862 (0.0000586, 0.0001182) | 0.11577 (0.08146, 0.15444)  | 6.5 (4.6, 8.6)    | 0.0000982 (0.0000697, 0.0001299) | 0.18152 (0.13166, 0.23458) |
| Bangka Belitung | Drowning                                                 | 5   | 8.2 (4.7, 12.4)   | 0.0001235 (0.0000703, 0.0001853) | 0.16565 (0.09776, 0.24502)  | 3.4 (1.7, 5.5)    | 0.0000506 (0.0000260, 0.0000823) | 0.0935 (0.04867, 0.15228)  |
| Bangka Belitung | Falls                                                    | 5   | 1.3 (0.5, 2.5)    | 0.00002 (0.0000081, 0.0000375)   | 0.02687 (0.01175, 0.05043)  | 0.7 (0.3, 1.3)    | 0.0000104 (0.0000043, 0.0000194) | 0.01925 (0.00816, 0.03636) |
| Bangka Belitung | Interpersonal violence                                   | 5   | 0.5 (0.2, 1.1)    | 0.000007 (0.0000025, 0.0000162)  | 0.00938 (0.00327, 0.02140)  | 0.4 (0.2, 1.0)    | 0.0000065 (0.0000024, 0.0000146) | 0.01195 (0.00432, 0.02680) |
| Bangka Belitung | Transport injuries                                       | 5   | 6.2 (3.4, 9.4)    | 0.0000932 (0.0000508, 0.0001402) | 0.1251 (0.07037, 0.18388)   | 2.6 (1.2, 4.1)    | 0.0000389 (0.0000186, 0.0000621) | 0.0718 (0.03571, 0.11273)  |
| Bangka Belitung | Other unintentional injuries                             | 5   | 3.5 (2.0, 5.6)    | 0.0000525 (0.0000297, 0.0000833) | 0.0704 (0.04108, 0.11235)   | 1.8 (1.0, 3.0)    | 0.0000278 (0.0000151, 0.0000453) | 0.05132 (0.02803, 0.08290) |
| Bangka Belitung | Diarrheal diseases                                       | 10  | 1.6 (0.7, 2.8)    | 0.0000257 (0.0000120, 0.0000451) | 0.03251 (0.01542, 0.05760)  | 1.5 (0.7, 2.6)    | 0.0000262 (0.0000128, 0.0000444) | 0.04727 (0.02425, 0.07985) |
| Bangka Belitung | HIV/AIDS                                                 | 10  | 0.3 (0.0, 0.8)    | 0.0000042 (0.0000008, 0.0000133) | 0.0053 (0.00098, 0.01687)   | 0.2 (0.0, 0.6)    | 0.0000031 (0.0000005, 0.0000105) | 0.00561 (0.00097, 0.01776) |
| Bangka Belitung | Lower respiratory infections                             | 10  | 2.1 (1.0, 3.6)    | 0.0000339 (0.0000162, 0.0000587) | 0.0429 (0.02170, 0.07311)   | 1.4 (0.7, 2.4)    | 0.0000238 (0.0000116, 0.0000419) | 0.04293 (0.02146, 0.07210) |
| Bangka Belitung | Malaria                                                  | 10  | 0.8 (0.2, 2.0)    | 0.0000123 (0.0000028, 0.0000327) | 0.01561 (0.00353, 0.04287)  | 0.6 (0.1, 1.5)    | 0.0000096 (0.0000022, 0.0000265) | 0.01737 (0.00389, 0.04872) |
| Bangka Belitung | Tuberculosis                                             | 10  | 1.6 (0.8, 2.8)    | 0.0000268 (0.0000128, 0.0000455) | 0.03402 (0.01629, 0.05750)  | 1.2 (0.6, 2.1)    | 0.0000214 (0.0000103, 0.0000356) | 0.03866 (0.01869, 0.06444) |
| Bangka Belitung | Maternal disorders                                       | 10  |                   |                                  |                             | 0.2 (0.0, 0.5)    | 0.0000031 (0.0000006, 0.0000084) | 0.00552 (0.00103, 0.01520) |
| Bangka Belitung | Other communicable diseases                              | 10  | 6.4 (4.4, 9.0)    | 0.000105 (0.0000714, 0.0001471)  | 0.13294 (0.09173, 0.18097)  | 4.3 (2.8, 6.0)    | 0.0000734 (0.0000477, 0.0001043) | 0.13226 (0.08666, 0.18244) |
| Bangka Belitung | Other malignant neoplasms                                | 10  | 2.5 (1.4, 3.9)    | 0.0000406 (0.0000230, 0.0000643) | 0.05134 (0.03023, 0.08105)  | 2.4 (1.5, 3.8)    | 0.0000417 (0.0000251, 0.0000649) | 0.07521 (0.04623, 0.11439) |
| Bangka Belitung | Cerebrovascular disease                                  | 10  | 0.8 (0.4, 1.3)    | 0.0000127 (0.0000066, 0.0000214) | 0.0161 (0.00872, 0.02661)   | 0.9 (0.5, 1.4)    | 0.0000153 (0.0000087, 0.0000246) | 0.02766 (0.01581, 0.04343) |
| Bangka Belitung | Ischemic heart disease                                   | 10  | 0.7 (0.4, 1.1)    | 0.0000112 (0.0000060, 0.0000188) | 0.01422 (0.00766, 0.02385)  | 0.8 (0.4, 1.3)    | 0.0000139 (0.0000076, 0.0000228) | 0.02507 (0.01386, 0.04079) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 10  | 0.7 (0.3, 1.3)    | 0.0000111 (0.0000048, 0.0000219) | 0.01399 (0.00611, 0.02824)  | 0.7 (0.3, 1.4)    | 0.0000129 (0.0000058, 0.0000246) | 0.02329 (0.01061, 0.04430) |
| Bangka Belitung | Diabetes mellitus                                        | 10  | 0.5 (0.2, 0.9)    | 0.0000077 (0.0000038, 0.0000142) | 0.00976 (0.00494, 0.01772)  | 0.7 (0.4, 1.3)    | 0.0000123 (0.0000062, 0.0000216) | 0.02214 (0.01143, 0.03943) |
| Bangka Belitung | Chronic kidney disease                                   | 10  | 1.3 (0.8, 2.1)    | 0.0000213 (0.0000123, 0.0000347) | 0.02698 (0.01588, 0.04291)  | 1.3 (0.8, 2.0)    | 0.0000228 (0.0000137, 0.0000353) | 0.04107 (0.02517, 0.06401) |
| Bangka Belitung | Cirrhosis                                                | 10  | 1.5 (0.8, 2.4)    | 0.0000239 (0.0000136, 0.0000391) | 0.0303 (0.01734, 0.04797)   | 0.7 (0.4, 1.2)    | 0.0000129 (0.0000073, 0.0000215) | 0.02329 (0.01342, 0.03747) |
| Bangka Belitung | Chronic respiratory diseases                             | 10  | 1.3 (0.6, 2.3)    | 0.0000216 (0.0000104, 0.0000381) | 0.02735 (0.01303, 0.04727)  | 0.6 (0.3, 1.1)    | 0.00001 (0.0000045, 0.0000190)   | 0.01804 (0.00815, 0.03371) |
| Bangka Belitung | Other non-communicable diseases                          | 10  | 6.4 (4.8, 8.4)    | 0.0001052 (0.0000786, 0.0001385) | 0.13322 (0.10124, 0.17071)  | 6.6 (5.1, 8.3)    | 0.0001136 (0.0000877, 0.0001440) | 0.20479 (0.16042, 0.25380) |
| Bangka Belitung | Drowning                                                 | 10  | 4.5 (2.2, 7.7)    | 0.000074 (0.0000364, 0.0001261)  | 0.09364 (0.04768, 0.16017)  | 1.4 (0.6, 2.8)    | 0.0000249 (0.0000106, 0.0000488) | 0.04497 (0.01911, 0.09046) |
| Bangka Belitung | Falls                                                    | 10  | 1.2 (0.5, 2.4)    | 0.0000198 (0.0000082, 0.0000386) | 0.02509 (0.01076, 0.04904)  | 0.5 (0.2, 1.0)    | 0.0000089 (0.0000038, 0.0000175) | 0.0161 (0.00697, 0.03214)  |
| Bangka Belitung | Interpersonal violence                                   | 10  | 0.7 (0.3, 1.4)    | 0.0000117 (0.0000052, 0.0000223) | 0.01479 (0.00682, 0.02831)  | 0.6 (0.3, 1.1)    | 0.00001 (0.0000047, 0.0000186)   | 0.01805 (0.00838, 0.03345) |
| Bangka Belitung | Self-harm                                                | 10  | 0.7 (0.3, 1.4)    | 0.0000109 (0.0000042, 0.0000234) | 0.01374 (0.00560, 0.02885)  | 0.5 (0.2, 0.9)    | 0.0000081 (0.0000031, 0.0000159) | 0.0146 (0.00562, 0.02828)  |
| Bangka Belitung | Transport injuries                                       | 10  | 9.4 (6.3, 12.6)   | 0.0001533 (0.0001026, 0.0002064) | 0.19412 (0.13334, 0.25870)  | 3.4 (2.0, 5.2)    | 0.0000594 (0.0000349, 0.0000895) | 0.1072 (0.06400, 0.15465)  |
| Bangka Belitung | Other unintentional injuries                             | 10  | 3.5 (2.1, 5.3)    | 0.0000569 (0.0000339, 0.0000868) | 0.07209 (0.04482, 0.10735)  | 1.6 (0.9, 2.5)    | 0.0000271 (0.0000151, 0.0000429) | 0.0489 (0.02770, 0.07650)  |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Diarrheal diseases                            | 15  | 1.1 (0.4, 2.1)    | 0.0000193 (0.0000075, 0.0000372) | 0.01269 (0.00517, 0.02395) | 0.3 (0.1, 0.7)   | 0.0000064 (0.0000025, 0.0000136) | 0.00688 (0.00273, 0.01443) |
| Bangka Belitung | HIV/AIDS                                      | 15  | 0.3 (0.0, 1.0)    | 0.0000054 (0.0000009, 0.0000177) | 0.00353 (0.00059, 0.01158) | 0.1 (0.0, 0.3)   | 0.0000014 (0.0000002, 0.0000049) | 0.00149 (0.00024, 0.00541) |
| Bangka Belitung | Lower respiratory infections                  | 15  | 1.4 (0.6, 2.7)    | 0.0000252 (0.0000104, 0.0000479) | 0.01664 (0.00726, 0.03185) | 0.3 (0.1, 0.6)   | 0.0000054 (0.0000021, 0.0000115) | 0.00584 (0.00233, 0.01229) |
| Bangka Belitung | Malaria                                       | 15  | 1.9 (0.5, 4.2)    | 0.000033 (0.0000083, 0.0000743)  | 0.0217 (0.00561, 0.04879)  | 0.5 (0.1, 1.2)   | 0.0000091 (0.0000020, 0.0000221) | 0.00979 (0.00228, 0.02296) |
| Bangka Belitung | Tuberculosis                                  | 15  | 3.5 (1.9, 5.7)    | 0.0000615 (0.0000338, 0.0001008) | 0.04053 (0.02250, 0.06385) | 0.8 (0.4, 1.4)   | 0.0000161 (0.0000084, 0.0000272) | 0.01739 (0.00902, 0.02815) |
| Bangka Belitung | Maternal disorders                            | 15  |                   |                                  |                            | 5.3 (3.5, 7.4)   | 0.0001015 (0.0000679, 0.0001419) | 0.1094 (0.07534, 0.14816)  |
| Bangka Belitung | Other communicable diseases                   | 15  | 5.6 (3.0, 8.8)    | 0.0001005 (0.0000528, 0.0001572) | 0.06627 (0.03779, 0.10041) | 1.1 (0.5, 2.0)   | 0.0000219 (0.0000100, 0.0000388) | 0.02364 (0.01053, 0.04088) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 15  | 0.5 (0.1, 1.3)    | 0.0000085 (0.0000020, 0.0000232) | 0.00564 (0.00135, 0.01512) | 0.2 (0.0, 0.4)   | 0.0000032 (0.0000007, 0.0000084) | 0.00342 (0.00075, 0.00900) |
| Bangka Belitung | Breast cancer                                 | 15  | - (0.0, 0.0)      | 0.0000002 (0.0000000, 0.0000009) | 0.00014 (0.00001, 0.00058) | 0.3 (0.1, 0.7)   | 0.0000057 (0.0000014, 0.0000139) | 0.00614 (0.00157, 0.01516) |
| Bangka Belitung | Cervical cancer                               | 15  |                   |                                  |                            | 0.4 (0.1, 1.0)   | 0.0000068 (0.0000013, 0.0000186) | 0.00733 (0.00141, 0.01966) |
| Bangka Belitung | Other malignant neoplasms                     | 15  | 3.3 (1.9, 5.3)    | 0.0000581 (0.0000337, 0.0000948) | 0.03827 (0.02324, 0.06035) | 3.4 (2.0, 5.2)   | 0.0000644 (0.0000376, 0.0001000) | 0.06941 (0.04214, 0.10378) |
| Bangka Belitung | Cerebrovascular disease                       | 15  | 1.7 (0.9, 2.8)    | 0.000031 (0.0000168, 0.0000497)  | 0.0204 (0.01165, 0.03208)  | 1.6 (0.9, 2.5)   | 0.0000304 (0.0000170, 0.0000484) | 0.03284 (0.01870, 0.05058) |
| Bangka Belitung | Ischemic heart disease                        | 15  | 2.5 (1.5, 3.8)    | 0.000044 (0.0000260, 0.0000673)  | 0.02901 (0.01790, 0.04318) | 2.1 (1.2, 3.1)   | 0.0000394 (0.0000237, 0.0000601) | 0.04245 (0.02629, 0.06368) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 15  | 1.2 (0.5, 2.3)    | 0.0000213 (0.0000097, 0.0000406) | 0.01406 (0.00637, 0.02658) | 1.2 (0.5, 2.3)   | 0.0000233 (0.0000102, 0.0000443) | 0.02517 (0.01101, 0.04855) |
| Bangka Belitung | Diabetes mellitus                             | 15  | 0.9 (0.4, 1.6)    | 0.0000153 (0.0000077, 0.0000284) | 0.01008 (0.00523, 0.01730) | 1.2 (0.6, 2.2)   | 0.0000232 (0.0000116, 0.0000419) | 0.02505 (0.01287, 0.04338) |
| Bangka Belitung | Chronic kidney disease                        | 15  | 2.1 (1.2, 3.4)    | 0.0000376 (0.0000221, 0.0000613) | 0.02475 (0.01493, 0.03925) | 2.0 (1.2, 3.2)   | 0.0000392 (0.0000234, 0.0000611) | 0.04231 (0.02602, 0.06549) |
| Bangka Belitung | Cirrhosis                                     | 15  | 2.2 (1.2, 3.6)    | 0.0000397 (0.0000221, 0.0000642) | 0.02615 (0.01526, 0.04256) | 1.0 (0.6, 1.7)   | 0.0000195 (0.0000108, 0.0000326) | 0.02098 (0.01189, 0.03489) |
| Bangka Belitung | Chronic respiratory diseases                  | 15  | 1.3 (0.6, 2.3)    | 0.0000227 (0.0000100, 0.0000411) | 0.015 (0.00704, 0.02670)   | 0.6 (0.3, 1.2)   | 0.0000121 (0.0000054, 0.0000232) | 0.01306 (0.00550, 0.02445) |
| Bangka Belitung | Other non-communicable diseases               | 15  | 9.0 (6.4, 12.2)   | 0.0001609 (0.0001139, 0.0002175) | 0.10599 (0.08054, 0.13612) | 7.8 (5.8, 10.4)  | 0.0001503 (0.0001106, 0.0001985) | 0.16215 (0.12389, 0.20301) |
| Bangka Belitung | Drowning                                      | 15  | 3.7 (1.7, 7.3)    | 0.0000667 (0.0000295, 0.0001299) | 0.04397 (0.02075, 0.08487) | 0.9 (0.4, 1.9)   | 0.000017 (0.0000068, 0.0000359)  | 0.0183 (0.00719, 0.03758)  |
| Bangka Belitung | Falls                                         | 15  | 1.6 (0.8, 2.8)    | 0.0000278 (0.0000134, 0.0000503) | 0.01833 (0.00884, 0.03333) | 0.5 (0.2, 1.0)   | 0.0000104 (0.0000046, 0.0000194) | 0.01122 (0.00514, 0.02069) |
| Bangka Belitung | Interpersonal violence                        | 15  | 1.8 (0.9, 3.2)    | 0.0000314 (0.0000161, 0.0000566) | 0.02074 (0.01079, 0.03642) | 1.4 (0.7, 2.5)   | 0.0000267 (0.0000129, 0.0000484) | 0.02885 (0.01479, 0.05093) |
| Bangka Belitung | Self-harm                                     | 15  | 1.3 (0.6, 2.5)    | 0.0000239 (0.0000107, 0.0000451) | 0.01579 (0.00749, 0.02899) | 1.0 (0.4, 1.8)   | 0.0000183 (0.0000081, 0.0000350) | 0.0198 (0.00901, 0.03688)  |
| Bangka Belitung | Transport injuries                            | 15  | 32.2 (24.7, 40.3) | 0.0005729 (0.0004402, 0.0007172) | 0.37777 (0.31573, 0.43517) | 11.9 (8.8, 15.5) | 0.0002273 (0.0001691, 0.0002977) | 0.24533 (0.18760, 0.30797) |
| Bangka Belitung | Other unintentional injuries                  | 15  | 6.2 (3.9, 9.2)    | 0.0001101 (0.0000701, 0.0001648) | 0.07254 (0.04899, 0.10518) | 2.5 (1.5, 3.8)   | 0.0000479 (0.0000279, 0.0000734) | 0.05176 (0.03027, 0.07909) |
| Bangka Belitung | Diarrheal diseases                            | 20  | 1.5 (0.6, 3.1)    | 0.000023 (0.0000088, 0.0000474)  | 0.01118 (0.00450, 0.02206) | 0.6 (0.2, 1.2)   | 0.0000099 (0.0000039, 0.0000199) | 0.0082 (0.00330, 0.01564)  |
| Bangka Belitung | HIV/AIDS                                      | 20  | 1.6 (0.3, 4.4)    | 0.000024 (0.0000049, 0.0000672)  | 0.01164 (0.00246, 0.03082) | 0.5 (0.1, 1.3)   | 0.0000074 (0.0000015, 0.0000205) | 0.00609 (0.00130, 0.01664) |
| Bangka Belitung | Lower respiratory infections                  | 20  | 2.1 (0.8, 4.3)    | 0.000032 (0.0000128, 0.0000644)  | 0.01554 (0.00647, 0.03056) | 0.5 (0.2, 1.0)   | 0.0000077 (0.0000030, 0.0000160) | 0.00636 (0.00259, 0.01280) |
| Bangka Belitung | Malaria                                       | 20  | 3.5 (0.9, 8.0)    | 0.0000527 (0.0000140, 0.0001215) | 0.02551 (0.00699, 0.05531) | 1.1 (0.3, 2.5)   | 0.0000177 (0.0000045, 0.0000400) | 0.01463 (0.00380, 0.03215) |
| Bangka Belitung | Tuberculosis                                  | 20  | 11.5 (7.0, 17.6)  | 0.0001742 (0.0001057, 0.0002659) | 0.0846 (0.05433, 0.12114)  | 2.9 (1.7, 4.5)   | 0.000046 (0.0000264, 0.0000727)  | 0.03812 (0.02303, 0.05747) |
| Bangka Belitung | Maternal disorders                            | 20  |                   |                                  |                            | 9.0 (6.1, 12.8)  | 0.0001432 (0.0000967, 0.0002047) | 0.11831 (0.08610, 0.15950) |
| Bangka Belitung | Other communicable diseases                   | 20  | 10.0 (5.1, 15.9)  | 0.0001522 (0.0000770, 0.0002403) | 0.07397 (0.03973, 0.11239) | 2.7 (1.3, 4.6)   | 0.0000439 (0.0000204, 0.0000737) | 0.03628 (0.01762, 0.05816) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 20  | 0.5 (0.1, 1.6)    | 0.0000081 (0.0000016, 0.0000241) | 0.00393 (0.00084, 0.01121) | 0.4 (0.1, 1.0)   | 0.0000061 (0.0000016, 0.0000153) | 0.00508 (0.00138, 0.01228) |
| Bangka Belitung | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000012) | 0.00018 (0.00003, 0.00059) | 1.4 (0.5, 2.8)   | 0.0000229 (0.0000078, 0.0000442) | 0.01888 (0.00675, 0.03764) |
| Bangka Belitung | Cervical cancer                               | 20  |                   |                                  |                            | 1.1 (0.3, 2.6)   | 0.0000173 (0.0000043, 0.0000421) | 0.01431 (0.00356, 0.03418) |
| Bangka Belitung | Other malignant neoplasms                     | 20  | 4.5 (2.6, 7.4)    | 0.0000685 (0.0000390, 0.0001123) | 0.03324 (0.02035, 0.05118) | 5.7 (3.2, 9.0)   | 0.0000911 (0.0000518, 0.0001435) | 0.07521 (0.04542, 0.11447) |
| Bangka Belitung | Cerebrovascular disease                       | 20  | 4.6 (2.8, 7.1)    | 0.0000701 (0.0000423, 0.0001071) | 0.03399 (0.02267, 0.04859) | 3.7 (2.3, 5.5)   | 0.0000588 (0.0000375, 0.0000874) | 0.04857 (0.03283, 0.06800) |
| Bangka Belitung | Ischemic heart disease                        | 20  | 6.5 (4.1, 9.9)    | 0.0000986 (0.0000614, 0.0001493) | 0.04795 (0.03196, 0.06918) | 3.7 (2.3, 5.6)   | 0.0000583 (0.0000363, 0.0000888) | 0.04823 (0.03091, 0.07034) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 20  | 2.6 (1.3, 4.6)    | 0.0000398 (0.0000193, 0.0000697) | 0.01934 (0.00981, 0.03312) | 2.6 (1.3, 4.4)   | 0.0000414 (0.0000209, 0.0000709) | 0.03427 (0.01838, 0.05817) |
| Bangka Belitung | Diabetes mellitus                             | 20  | 1.2 (0.7, 2.1)    | 0.0000185 (0.0000100, 0.0000319) | 0.00898 (0.00507, 0.01433) | 1.7 (0.9, 2.8)   | 0.0000266 (0.0000148, 0.0000445) | 0.022 (0.01247, 0.03539)   |
| Bangka Belitung | Chronic kidney disease                        | 20  | 4.9 (3.0, 7.7)    | 0.0000737 (0.0000457, 0.0001171) | 0.0358 (0.02311, 0.05283)  | 4.5 (2.9, 6.7)   | 0.0000714 (0.0000457, 0.0001070) | 0.05911 (0.03960, 0.08546) |
| Bangka Belitung | Cirrhosis                                     | 20  | 5.1 (2.9, 7.9)    | 0.0000767 (0.0000436, 0.0001195) | 0.03727 (0.02264, 0.05547) | 2.3 (1.3, 3.8)   | 0.000037 (0.0000209, 0.0000610)  | 0.03056 (0.01817, 0.04807) |
| Bangka Belitung | Chronic respiratory diseases                  | 20  | 4.1 (2.1, 7.1)    | 0.0000623 (0.0000323, 0.0001068) | 0.03029 (0.01591, 0.04987) | 2.4 (1.2, 4.1)   | 0.0000382 (0.0000190, 0.0000655) | 0.03164 (0.01618, 0.05269) |
| Bangka Belitung | Other non-communicable diseases               | 20  | 12.3 (8.2, 17.7)  | 0.0001864 (0.0001244, 0.0002679) | 0.09051 (0.06627, 0.11969) | 9.9 (7.0, 13.7)  | 0.0001585 (0.0001125, 0.0002181) | 0.13102 (0.09707, 0.17029) |
| Bangka Belitung | Drowning                                      | 20  | 3.6 (1.4, 7.3)    | 0.0000553 (0.0000215, 0.0001099) | 0.02687 (0.01116, 0.05255) | 0.8 (0.3, 1.7)   | 0.0000126 (0.0000047, 0.0000267) | 0.0104 (0.00409, 0.02199)  |
| Bangka Belitung | Falls                                         | 20  | 2.1 (1.0, 3.8)    | 0.000032 (0.0000147, 0.0000578)  | 0.01556 (0.00732, 0.02704) | 0.7 (0.3, 1.2)   | 0.0000104 (0.0000046, 0.0000188) | 0.00863 (0.00380, 0.01553) |
| Bangka Belitung | Interpersonal violence                        | 20  | 3.2 (1.6, 5.6)    | 0.0000479 (0.0000249, 0.0000853) | 0.02332 (0.01272, 0.03999) | 2.0 (1.0, 3.6)   | 0.0000319 (0.0000154, 0.0000574) | 0.0264 (0.01398, 0.04595)  |
| Bangka Belitung | Self-harm                                     | 20  | 2.1 (1.0, 3.8)    | 0.0000318 (0.0000150, 0.0000573) | 0.01549 (0.00747, 0.02771) | 1.2 (0.5, 2.4)   | 0.0000188 (0.0000084, 0.0000377) | 0.01555 (0.00715, 0.03008) |
| Bangka Belitung | Transport injuries                            | 20  | 38.3 (27.2, 50.7) | 0.0005796 (0.0004114, 0.0007682) | 0.28168 (0.22488, 0.33784) | 11.2 (7.4, 15.6) | 0.0001784 (0.0001185, 0.0002489) | 0.14761 (0.10296, 0.19675) |
| Bangka Belitung | Other unintentional injuries                  | 20  | 9.9 (6.2, 14.6)   | 0.0001506 (0.0000936, 0.0002216) | 0.07315 (0.04873, 0.10190) | 3.4 (1.9, 5.2)   | 0.0000538 (0.0000301, 0.0000826) | 0.04455 (0.02576, 0.06785) |
| Bangka Belitung | Diarrheal diseases                            | 25  | 2.6 (1.0, 4.9)    | 0.0000347 (0.0000141, 0.0000660) | 0.01461 (0.00613, 0.02740) | 1.0 (0.4, 1.9)   | 0.0000153 (0.0000061, 0.0000293) | 0.00979 (0.00410, 0.01799) |
| Bangka Belitung | HIV/AIDS                                      | 25  | 3.5 (0.8, 9.2)    | 0.0000469 (0.0000107, 0.0001244) | 0.01973 (0.00441, 0.05069) | 0.9 (0.2, 2.5)   | 0.0000142 (0.0000032, 0.0000392) | 0.00906 (0.00219, 0.02492) |
| Bangka Belitung | Lower respiratory infections                  | 25  | 2.6 (1.0, 5.4)    | 0.0000354 (0.0000139, 0.0000732) | 0.01492 (0.00615, 0.02993) | 0.6 (0.2, 1.2)   | 0.0000086 (0.0000033, 0.0000188) | 0.00549 (0.00224, 0.01113) |
| Bangka Belitung | Malaria                                       | 25  | 4.4 (1.2, 10.4)   | 0.00006 (0.0000160, 0.0001406)   | 0.02522 (0.00731, 0.05678) | 1.2 (0.3, 2.9)   | 0.0000191 (0.0000049, 0.0000443) | 0.01222 (0.00328, 0.02795) |
| Bangka Belitung | Tuberculosis                                  | 25  | 18.7 (11.4, 28.3) | 0.0002529 (0.0001548, 0.0003822) | 0.10645 (0.06914, 0.15078) | 3.9 (2.2, 6.3)   | 0.0000609 (0.0000340, 0.0000970) | 0.03899 (0.02305, 0.05958) |
| Bangka Belitung | Maternal disorders                            | 25  |                   |                                  |                            | 14.0 (9.6, 19.9) | 0.0002167 (0.0001485, 0.0003068) | 0.13868 (0.10385, 0.17838) |
| Bangka Belitung | Other communicable diseases                   | 25  | 12.7 (6.7, 20.1)  | 0.0001718 (0.0000903, 0.0002715) | 0.07238 (0.03963, 0.11001) | 3.4 (1.7, 5.9)   | 0.000052 (0.0000256, 0.0000903)  | 0.03327 (0.01748, 0.05417) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 25  | 0.6 (0.1, 2.0)    | 0.0000086 (0.0000017, 0.0000268) | 0.00364 (0.00005, 0.01119) | 0.6 (0.2, 1.4)   | 0.0000091 (0.0000026, 0.0000219) | 0.00585 (0.00164, 0.01419) |
| Bangka Belitung | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000012) | 0.00015 (0.00003, 0.00047) | 3.3 (1.3, 6.0)   | 0.000051 (0.0000197, 0.0000926)  | 0.0326 (0.01295, 0.05880)  |
| Bangka Belitung | Cervical cancer                               | 25  |                   |                                  |                            | 2.3 (0.7, 5.1)   | 0.0000356 (0.0000104, 0.0000785) | 0.02271 (0.00675, 0.04790) |
| Bangka Belitung | Other malignant neoplasms                     | 25  | 7.2 (4.1, 11.4)   | 0.0000968 (0.0000556, 0.0001544) | 0.0407 (0.02526, 0.06119)  | 7.4 (4.2, 12.1)  | 0.0001137 (0.0000645, 0.0001863) | 0.07269 (0.04261, 0.11248) |
| Bangka Belitung | Cerebrovascular disease                       | 25  | 9.4 (6.0, 13.7)   | 0.0001277 (0.0000813, 0.0001852) | 0.0537 (0.03799, 0.07283)  | 7.1 (4.7, 10.2)  | 0.00011 (0.0000730, 0.0001581)   | 0.0703 (0.05132, 0.09328)  |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Ischemic heart disease                        | 25  | 14.0 (9.5, 20.2)  | 0.0001894 (0.0001280, 0.0002733) | 0.07976 (0.05911, 0.10645) | 6.9 (4.5, 10.1)   | 0.0001062 (0.0000692, 0.0001558) | 0.06792 (0.04655, 0.09362) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 25  | 4.0 (2.0, 6.8)    | 0.0000539 (0.0000274, 0.0000924) | 0.02272 (0.01207, 0.03807) | 3.8 (2.0, 6.1)    | 0.000058 (0.0000302, 0.0000943)  | 0.03712 (0.02075, 0.05850) |
| Bangka Belitung | Diabetes mellitus                             | 25  | 2.4 (1.5, 3.8)    | 0.0000328 (0.0000201, 0.0000520) | 0.0138 (0.00883, 0.02054)  | 3.0 (1.9, 4.7)    | 0.0000467 (0.0000286, 0.0000722) | 0.02991 (0.01977, 0.04411) |
| Bangka Belitung | Chronic kidney disease                        | 25  | 6.5 (4.2, 10.1)   | 0.0000881 (0.0000567, 0.0001364) | 0.03708 (0.02483, 0.05270) | 5.4 (3.5, 8.0)    | 0.0000834 (0.0000534, 0.0001238) | 0.05343 (0.03680, 0.07536) |
| Bangka Belitung | Cirrhosis                                     | 25  | 8.3 (5.0, 12.7)   | 0.000112 (0.0000671, 0.0001721)  | 0.04717 (0.02994, 0.06700) | 3.7 (2.1, 5.8)    | 0.0000565 (0.0000322, 0.0000889) | 0.0361 (0.02285, 0.05378)  |
| Bangka Belitung | Chronic respiratory diseases                  | 25  | 6.0 (3.1, 10.1)   | 0.0000814 (0.0000422, 0.0001361) | 0.03429 (0.01927, 0.05534) | 3.4 (1.7, 5.7)    | 0.0000521 (0.0000259, 0.0000877) | 0.03336 (0.01837, 0.05479) |
| Bangka Belitung | Other non-communicable diseases               | 25  | 16.4 (10.9, 23.4) | 0.000222 (0.0001474, 0.0003166)  | 0.09338 (0.06901, 0.12340) | 12.6 (8.7, 17.4)  | 0.0001946 (0.0001336, 0.0002679) | 0.12457 (0.09494, 0.15962) |
| Bangka Belitung | Drowning                                      | 25  | 2.8 (1.0, 6.1)    | 0.0000376 (0.0000134, 0.0000824) | 0.01583 (0.00601, 0.03310) | 0.6 (0.2, 1.4)    | 0.0000097 (0.0000034, 0.0000217) | 0.00617 (0.00230, 0.01395) |
| Bangka Belitung | Falls                                         | 25  | 3.5 (1.5, 6.3)    | 0.0000467 (0.0000207, 0.0000849) | 0.01967 (0.00923, 0.03355) | 1.1 (0.5, 2.0)    | 0.0000165 (0.0000074, 0.0000302) | 0.01058 (0.00485, 0.01857) |
| Bangka Belitung | Interpersonal violence                        | 25  | 3.7 (2.0, 6.4)    | 0.0000494 (0.0000266, 0.0000868) | 0.02082 (0.01135, 0.03535) | 2.0 (0.9, 3.6)    | 0.0000307 (0.0000145, 0.0000551) | 0.01965 (0.01010, 0.03295) |
| Bangka Belitung | Self-harm                                     | 25  | 2.2 (1.0, 4.2)    | 0.0000303 (0.0000139, 0.0000566) | 0.01277 (0.00605, 0.02292) | 1.1 (0.5, 2.1)    | 0.0000162 (0.0000073, 0.0000328) | 0.01039 (0.00479, 0.02009) |
| Bangka Belitung | Transport injuries                            | 25  | 30.6 (20.5, 42.6) | 0.0004133 (0.0002779, 0.0005758) | 0.17397 (0.12706, 0.22769) | 7.8 (4.7, 11.8)   | 0.0001206 (0.0000733, 0.0001816) | 0.07726 (0.04863, 0.10977) |
| Bangka Belitung | Other unintentional injuries                  | 25  | 13.6 (8.4, 21.3)  | 0.0001837 (0.0001134, 0.0002886) | 0.07724 (0.05070, 0.11511) | 4.2 (2.4, 6.6)    | 0.0000654 (0.0000375, 0.0001015) | 0.0419 (0.02524, 0.06531)  |
| Bangka Belitung | Diarrheal diseases                            | 30  | 2.5 (1.0, 4.6)    | 0.000039 (0.0000156, 0.0000726)  | 0.01465 (0.00619, 0.02681) | 1.4 (0.6, 2.6)    | 0.0000249 (0.0000108, 0.0000472) | 0.01232 (0.00556, 0.02202) |
| Bangka Belitung | HIV/AIDS                                      | 30  | 3.1 (0.7, 7.4)    | 0.0000484 (0.0000112, 0.0001173) | 0.01813 (0.00444, 0.04493) | 1.2 (0.3, 3.1)    | 0.0000214 (0.0000050, 0.0000567) | 0.01055 (0.00270, 0.02726) |
| Bangka Belitung | Lower respiratory infections                  | 30  | 2.1 (0.8, 4.3)    | 0.0000329 (0.0000129, 0.0000680) | 0.01235 (0.00500, 0.02434) | 0.7 (0.3, 1.4)    | 0.000012 (0.0000047, 0.0000258)  | 0.00596 (0.00244, 0.01219) |
| Bangka Belitung | Malaria                                       | 30  | 3.4 (0.9, 7.8)    | 0.0000531 (0.0000145, 0.0001236) | 0.01985 (0.00541, 0.04538) | 1.2 (0.3, 3.0)    | 0.0000227 (0.0000061, 0.0000540) | 0.01128 (0.00309, 0.02600) |
| Bangka Belitung | Tuberculosis                                  | 30  | 16.5 (10.2, 24.8) | 0.0002606 (0.0001609, 0.0003929) | 0.09775 (0.06398, 0.13674) | 4.7 (2.6, 7.3)    | 0.0000864 (0.0000477, 0.0001326) | 0.04289 (0.02521, 0.06404) |
| Bangka Belitung | Maternal disorders                            | 30  |                   |                                  |                            | 9.9 (6.5, 14.3)   | 0.0001805 (0.0001191, 0.0002602) | 0.08941 (0.06386, 0.11969) |
| Bangka Belitung | Other communicable diseases                   | 30  | 7.6 (3.7, 12.7)   | 0.0001205 (0.0000591, 0.0002014) | 0.04522 (0.02306, 0.07333) | 3.0 (1.4, 5.1)    | 0.0000538 (0.0000255, 0.0000926) | 0.02666 (0.01318, 0.04363) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 30  | 1.4 (0.3, 3.9)    | 0.0000223 (0.0000055, 0.0000617) | 0.00837 (0.00215, 0.02202) | 0.7 (0.2, 1.6)    | 0.0000119 (0.0000033, 0.0000283) | 0.00591 (0.00177, 0.01427) |
| Bangka Belitung | Breast cancer                                 | 30  | - (0.0, 0.1)      | 0.0000005 (0.0000001, 0.0000019) | 0.00017 (0.00002, 0.00068) | 5.2 (2.4, 8.9)    | 0.0000953 (0.0000433, 0.0001626) | 0.04717 (0.02189, 0.07888) |
| Bangka Belitung | Cervical cancer                               | 30  |                   |                                  |                            | 3.4 (1.1, 7.1)    | 0.0000615 (0.0000196, 0.0001296) | 0.03043 (0.01040, 0.06056) |
| Bangka Belitung | Other malignant neoplasms                     | 30  | 8.4 (4.8, 13.4)   | 0.000133 (0.0000760, 0.0002115)  | 0.04983 (0.03117, 0.07381) | 7.5 (4.2, 12.5)   | 0.0001373 (0.0000764, 0.0002270) | 0.06802 (0.03934, 0.10443) |
| Bangka Belitung | Cerebrovascular disease                       | 30  | 13.5 (9.0, 19.4)  | 0.0002134 (0.0001419, 0.0003065) | 0.07993 (0.05806, 0.10579) | 11.0 (7.4, 15.6)  | 0.0002008 (0.0001351, 0.0002842) | 0.09942 (0.07456, 0.12918) |
| Bangka Belitung | Ischemic heart disease                        | 30  | 18.9 (13.0, 26.1) | 0.0002991 (0.0002055, 0.0004136) | 0.11218 (0.08509, 0.14364) | 9.7 (6.4, 13.8)   | 0.0001763 (0.0001166, 0.0002505) | 0.08739 (0.06213, 0.11547) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 30  | 4.4 (2.3, 7.5)    | 0.0000699 (0.0000361, 0.0001186) | 0.02623 (0.01426, 0.04257) | 4.5 (2.4, 7.3)    | 0.000081 (0.0000435, 0.0001322)  | 0.0402 (0.02282, 0.06351)  |
| Bangka Belitung | Diabetes mellitus                             | 30  | 3.7 (2.3, 5.6)    | 0.0000589 (0.0000369, 0.0000889) | 0.02205 (0.01526, 0.03144) | 4.8 (3.2, 7.1)    | 0.0000875 (0.0000576, 0.0001295) | 0.04338 (0.03017, 0.06006) |
| Bangka Belitung | Chronic kidney disease                        | 30  | 6.7 (4.3, 10.4)   | 0.0001052 (0.0000677, 0.0001639) | 0.03946 (0.02708, 0.05566) | 5.7 (3.6, 8.4)    | 0.000103 (0.0000650, 0.0001529)  | 0.05107 (0.03524, 0.07167) |
| Bangka Belitung | Cirrhosis                                     | 30  | 9.9 (6.1, 14.9)   | 0.0001561 (0.0000970, 0.0002359) | 0.05856 (0.03825, 0.08269) | 4.8 (2.8, 7.4)    | 0.0000865 (0.0000510, 0.0001341) | 0.04283 (0.02787, 0.06330) |
| Bangka Belitung | Chronic respiratory diseases                  | 30  | 5.6 (2.9, 9.1)    | 0.0000878 (0.0000453, 0.0001438) | 0.03294 (0.01832, 0.05201) | 3.4 (1.8, 5.6)    | 0.0000614 (0.0000322, 0.0001019) | 0.0305 (0.01634, 0.04888)  |
| Bangka Belitung | Other non-communicable diseases               | 30  | 15.5 (10.2, 22.1) | 0.0002449 (0.0001608, 0.0003500) | 0.09177 (0.06905, 0.11998) | 12.9 (9.0, 17.8)  | 0.000234 (0.0001640, 0.0003231)  | 0.11602 (0.08778, 0.14617) |
| Bangka Belitung | Drowning                                      | 30  | 2.7 (1.0, 5.6)    | 0.0000419 (0.0000162, 0.0000883) | 0.01575 (0.00638, 0.03195) | 0.8 (0.3, 1.6)    | 0.0000139 (0.0000053, 0.0000299) | 0.00688 (0.00267, 0.01451) |
| Bangka Belitung | Falls                                         | 30  | 3.6 (1.7, 6.5)    | 0.0000571 (0.0000265, 0.0001030) | 0.02142 (0.01013, 0.03780) | 1.4 (0.6, 2.4)    | 0.0000247 (0.0000112, 0.0000444) | 0.01227 (0.00569, 0.02167) |
| Bangka Belitung | Interpersonal violence                        | 30  | 2.7 (1.4, 4.7)    | 0.0000422 (0.0000226, 0.0000741) | 0.01585 (0.00865, 0.02699) | 1.5 (0.7, 2.8)    | 0.0000281 (0.0000133, 0.0000517) | 0.01391 (0.00693, 0.02434) |
| Bangka Belitung | Self-harm                                     | 30  | 1.6 (0.7, 3.0)    | 0.0000256 (0.0000115, 0.0000475) | 0.00962 (0.00454, 0.01738) | 0.8 (0.3, 1.6)    | 0.0000143 (0.0000062, 0.0000287) | 0.00708 (0.00316, 0.01315) |
| Bangka Belitung | Transport injuries                            | 30  | 23.7 (15.2, 34.0) | 0.0003746 (0.0002407, 0.0005375) | 0.14049 (0.09858, 0.19095) | 6.9 (4.0, 10.6)   | 0.000126 (0.0000726, 0.0001926)  | 0.06254 (0.03954, 0.09175) |
| Bangka Belitung | Other unintentional injuries                  | 30  | 11.4 (6.8, 18.2)  | 0.0001799 (0.0001078, 0.0002873) | 0.06743 (0.04385, 0.10288) | 4.0 (2.3, 6.5)    | 0.0000723 (0.0000412, 0.0001184) | 0.03592 (0.02135, 0.05695) |
| Bangka Belitung | Diarrheal diseases                            | 35  | 2.0 (0.8, 3.8)    | 0.0000379 (0.0000152, 0.0000726) | 0.01107 (0.00461, 0.02075) | 0.7 (0.3, 1.4)    | 0.0000155 (0.0000063, 0.0000304) | 0.00509 (0.00229, 0.00949) |
| Bangka Belitung | HIV/AIDS                                      | 35  | 2.4 (0.5, 6.1)    | 0.0000463 (0.0000102, 0.0001168) | 0.01349 (0.00311, 0.03386) | 0.6 (0.1, 1.6)    | 0.0000123 (0.0000027, 0.0000347) | 0.00402 (0.00097, 0.01101) |
| Bangka Belitung | Lower respiratory infections                  | 35  | 1.9 (0.8, 4.0)    | 0.0000371 (0.0000150, 0.0000757) | 0.01083 (0.00459, 0.02194) | 0.4 (0.2, 0.9)    | 0.0000089 (0.0000033, 0.0000201) | 0.00292 (0.00116, 0.00632) |
| Bangka Belitung | Malaria                                       | 35  | 2.7 (0.8, 6.4)    | 0.0000525 (0.0000155, 0.0001228) | 0.01529 (0.00470, 0.03411) | 0.6 (0.1, 1.4)    | 0.0000128 (0.0000032, 0.0000315) | 0.00421 (0.00108, 0.01016) |
| Bangka Belitung | Tuberculosis                                  | 35  | 15.4 (9.4, 23.6)  | 0.0002954 (0.0001792, 0.0004516) | 0.08635 (0.05642, 0.12128) | 2.6 (1.4, 4.4)    | 0.0000564 (0.0000295, 0.0000959) | 0.01861 (0.01031, 0.02895) |
| Bangka Belitung | Maternal disorders                            | 35  |                   |                                  |                            | 16.5 (11.3, 23.6) | 0.0003606 (0.0002458, 0.0005151) | 0.11881 (0.08832, 0.15323) |
| Bangka Belitung | Other communicable diseases                   | 35  | 6.2 (2.9, 10.5)   | 0.0001181 (0.0000559, 0.0002018) | 0.03456 (0.01749, 0.05496) | 1.6 (0.7, 2.8)    | 0.0000352 (0.0000161, 0.0000613) | 0.01157 (0.00559, 0.01918) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 35  | 1.4 (0.4, 3.4)    | 0.0000259 (0.0000067, 0.0000647) | 0.00757 (0.00210, 0.01875) | 0.9 (0.3, 2.0)    | 0.0000188 (0.0000057, 0.0000435) | 0.00621 (0.00188, 0.01455) |
| Bangka Belitung | Breast cancer                                 | 35  | 0.1 (0.0, 0.2)    | 0.0000012 (0.0000002, 0.0000043) | 0.00035 (0.00006, 0.00118) | 7.0 (2.9, 12.1)   | 0.0001516 (0.0000635, 0.0002648) | 0.04986 (0.02089, 0.08437) |
| Bangka Belitung | Cervical cancer                               | 35  |                   |                                  |                            | 6.6 (2.3, 13.2)   | 0.0001433 (0.0000491, 0.0002867) | 0.04716 (0.01666, 0.09031) |
| Bangka Belitung | Other malignant neoplasms                     | 35  | 12.0 (7.1, 18.6)  | 0.0002297 (0.0001358, 0.0003564) | 0.06709 (0.04245, 0.09875) | 7.9 (3.9, 13.8)   | 0.0001724 (0.0000853, 0.0003001) | 0.05674 (0.02979, 0.09215) |
| Bangka Belitung | Cerebrovascular disease                       | 35  | 19.8 (13.8, 27.7) | 0.0003787 (0.0002641, 0.0005297) | 0.11056 (0.08265, 0.14002) | 18.4 (12.5, 25.9) | 0.0004004 (0.0002725, 0.0005654) | 0.13183 (0.10264, 0.16377) |
| Bangka Belitung | Ischemic heart disease                        | 35  | 23.9 (16.8, 33.2) | 0.000458 (0.0003208, 0.0006354)  | 0.13392 (0.10402, 0.16787) | 14.2 (9.5, 20.3)  | 0.00031 (0.0002069, 0.0004424)   | 0.10214 (0.07521, 0.13116) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 35  | 5.5 (2.9, 9.2)    | 0.0001048 (0.0000561, 0.0001759) | 0.03064 (0.01748, 0.04932) | 5.8 (3.2, 9.5)    | 0.0001268 (0.0000687, 0.0002075) | 0.04185 (0.02376, 0.06645) |
| Bangka Belitung | Diabetes mellitus                             | 35  | 6.6 (4.3, 9.8)    | 0.0001263 (0.0000825, 0.0001880) | 0.03688 (0.02629, 0.05059) | 8.9 (5.9, 12.7)   | 0.0001949 (0.0001296, 0.0002817) | 0.06426 (0.04608, 0.08590) |
| Bangka Belitung | Chronic kidney disease                        | 35  | 7.5 (4.8, 11.4)   | 0.0001438 (0.0000922, 0.0002186) | 0.04203 (0.02937, 0.05832) | 6.6 (4.1, 9.9)    | 0.0001435 (0.0000892, 0.0002114) | 0.04734 (0.03320, 0.06589) |
| Bangka Belitung | Cirrhosis                                     | 35  | 11.6 (7.3, 17.6)  | 0.0002225 (0.0001405, 0.0003377) | 0.06503 (0.04262, 0.09195) | 6.3 (3.7, 9.9)    | 0.0001384 (0.0000813, 0.0002164) | 0.04556 (0.02933, 0.06593) |
| Bangka Belitung | Chronic respiratory diseases                  | 35  | 6.6 (3.6, 10.9)   | 0.000127 (0.0000682, 0.0002081)  | 0.03712 (0.02059, 0.05805) | 4.0 (2.0, 6.6)    | 0.0000866 (0.0000439, 0.0001436) | 0.02859 (0.01532, 0.04606) |
| Bangka Belitung | Other non-communicable diseases               | 35  | 15.2 (10.4, 22.0) | 0.000291 (0.0001992, 0.0004211)  | 0.085 (0.06310, 0.11192)   | 13.9 (9.6, 19.6)  | 0.0003031 (0.0002085, 0.0004282) | 0.09993 (0.07493, 0.12883) |
| Bangka Belitung | Drowning                                      | 35  | 3.0 (1.2, 6.1)    | 0.0000574 (0.0000229, 0.0001162) | 0.01681 (0.00691, 0.03309) | 1.3 (0.5, 2.7)    | 0.0000275 (0.0000102, 0.0000582) | 0.00906 (0.00343, 0.01878) |
| Bangka Belitung | Falls                                         | 35  | 3.3 (1.6, 6.0)    | 0.000064 (0.0000303, 0.0001145)  | 0.01874 (0.00914, 0.03242) | 1.7 (0.8, 3.1)    | 0.0000373 (0.0000168, 0.0000680) | 0.0123 (0.00581, 0.02176)  |
| Bangka Belitung | Interpersonal violence                        | 35  | 2.2 (1.1, 3.9)    | 0.0000418 (0.0000210, 0.0000737) | 0.01225 (0.00643, 0.02102) | 1.4 (0.6, 2.6)    | 0.0000301 (0.0000136, 0.0000559) | 0.00991 (0.00483, 0.01805) |
| Bangka Belitung | Self-harm                                     | 35  | 1.4 (0.7, 2.7)    | 0.0000274 (0.0000125, 0.0000516) | 0.00803 (0.00375, 0.01465) | 0.7 (0.3, 1.4)    | 0.0000158 (0.0000065, 0.0000315) | 0.00523 (0.00230, 0.00998) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Transport injuries                            | 35  | 17.9 (11.2, 25.9) | 0.000342 (0.0002151, 0.0004963)  | 0.09997 (0.06754, 0.13728)  | 6.5 (3.7, 10.5)   | 0.0001412 (0.0000801, 0.0002282) | 0.04657 (0.02804, 0.06921) |
| Bangka Belitung | Other unintentional injuries                  | 35  | 10.1 (6.1, 15.9)  | 0.0001931 (0.0001168, 0.0003046) | 0.05643 (0.03590, 0.08529)  | 4.2 (2.4, 6.8)    | 0.0000916 (0.0000516, 0.0001483) | 0.03024 (0.01790, 0.04792) |
| Bangka Belitung | Diarrheal diseases                            | 40  | 2.1 (0.8, 4.0)    | 0.000049 (0.0000193, 0.0000935)  | 0.00998 (0.00417, 0.01872)  | 2.4 (1.1, 4.5)    | 0.0000634 (0.0000282, 0.0001167) | 0.01473 (0.00679, 0.02564) |
| Bangka Belitung | HIV/AIDS                                      | 40  | 1.2 (0.2, 3.3)    | 0.0000281 (0.0000054, 0.0000777) | 0.0057 (0.00116, 0.01584)   | 0.9 (0.2, 2.6)    | 0.0000236 (0.0000050, 0.0000688) | 0.00546 (0.00126, 0.01493) |
| Bangka Belitung | Lower respiratory infections                  | 40  | 1.8 (0.8, 3.8)    | 0.0000427 (0.0000175, 0.0000879) | 0.0087 (0.00369, 0.01792)   | 1.3 (0.5, 2.7)    | 0.0000337 (0.0000143, 0.0000714) | 0.00783 (0.00345, 0.01597) |
| Bangka Belitung | Malaria                                       | 40  | 2.6 (0.8, 5.9)    | 0.0000616 (0.0000176, 0.0001381) | 0.01251 (0.00368, 0.02719)  | 1.7 (0.4, 4.3)    | 0.0000452 (0.0000113, 0.0001128) | 0.01051 (0.00280, 0.02467) |
| Bangka Belitung | Tuberculosis                                  | 40  | 13.5 (8.6, 20.7)  | 0.0003155 (0.0001992, 0.0004813) | 0.06426 (0.04230, 0.09172)  | 7.1 (4.2, 11.0)   | 0.0001855 (0.0001106, 0.0002870) | 0.04322 (0.02707, 0.06414) |
| Bangka Belitung | Maternal disorders                            | 40  |                   |                                  |                             | 1.7 (0.9, 2.8)    | 0.0000439 (0.0000233, 0.0000743) | 0.01024 (0.00585, 0.01711) |
| Bangka Belitung | Other communicable diseases                   | 40  | 5.9 (2.8, 9.9)    | 0.0001367 (0.0000647, 0.0002306) | 0.02787 (0.01376, 0.04674)  | 5.0 (2.6, 8.4)    | 0.0001307 (0.0000669, 0.0002195) | 0.03042 (0.01585, 0.04806) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 40  | 2.4 (0.7, 5.4)    | 0.0000557 (0.0000173, 0.0001255) | 0.01137 (0.00365, 0.02464)  | 1.0 (0.3, 2.4)    | 0.0000269 (0.0000083, 0.0000619) | 0.00627 (0.00195, 0.01429) |
| Bangka Belitung | Breast cancer                                 | 40  | 0.1 (0.0, 0.4)    | 0.0000031 (0.0000007, 0.0000085) | 0.00062 (0.00014, 0.00163)  | 9.3 (4.4, 15.6)   | 0.0002431 (0.0001140, 0.0004075) | 0.0565 (0.02715, 0.09190)  |
| Bangka Belitung | Cervical cancer                               | 40  |                   |                                  |                             | 7.0 (2.5, 13.6)   | 0.0001822 (0.0000649, 0.0003542) | 0.04239 (0.01586, 0.07802) |
| Bangka Belitung | Other malignant neoplasms                     | 40  | 14.7 (8.8, 22.7)  | 0.0003419 (0.0002047, 0.0005276) | 0.06963 (0.04414, 0.10216)  | 8.3 (4.2, 14.3)   | 0.0002155 (0.0001092, 0.0003739) | 0.05016 (0.02648, 0.08193) |
| Bangka Belitung | Cerebrovascular disease                       | 40  | 31.1 (22.4, 43.0) | 0.0007244 (0.0005214, 0.0010021) | 0.14742 (0.11712, 0.18244)  | 27.7 (19.8, 37.2) | 0.0007221 (0.0005165, 0.0009714) | 0.16805 (0.13448, 0.20408) |
| Bangka Belitung | Ischemic heart disease                        | 40  | 36.3 (26.2, 49.0) | 0.0008449 (0.0006103, 0.0011420) | 0.1722 (0.13625, 0.21079)   | 20.6 (14.2, 28.3) | 0.0005362 (0.0003709, 0.0007383) | 0.12486 (0.09340, 0.15709) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 40  | 7.5 (4.1, 12.4)   | 0.0001751 (0.0000943, 0.0002898) | 0.03569 (0.02042, 0.05650)  | 7.6 (4.2, 12.1)   | 0.0001972 (0.0001108, 0.0003168) | 0.04597 (0.02682, 0.07211) |
| Bangka Belitung | Diabetes mellitus                             | 40  | 13.6 (9.3, 19.6)  | 0.0003163 (0.0002168, 0.0004555) | 0.0644 (0.04776, 0.08532)   | 16.9 (11.6, 23.9) | 0.000442 (0.0003033, 0.0006223)  | 0.10296 (0.07735, 0.13308) |
| Bangka Belitung | Chronic kidney disease                        | 40  | 9.4 (6.2, 13.9)   | 0.0002198 (0.0001455, 0.0003227) | 0.04478 (0.03186, 0.06247)  | 7.6 (4.9, 11.1)   | 0.0001993 (0.0001277, 0.0002894) | 0.04646 (0.03227, 0.06400) |
| Bangka Belitung | Cirrhosis                                     | 40  | 14.3 (9.0, 21.0)  | 0.0003324 (0.0002101, 0.0004899) | 0.06777 (0.04568, 0.09468)  | 7.5 (4.5, 11.6)   | 0.0001966 (0.0001174, 0.0003013) | 0.04561 (0.02975, 0.06403) |
| Bangka Belitung | Chronic respiratory diseases                  | 40  | 7.6 (4.0, 12.4)   | 0.000176 (0.0000943, 0.0002882)  | 0.03586 (0.02080, 0.05576)  | 4.4 (2.3, 7.1)    | 0.0001136 (0.0000599, 0.0001854) | 0.02647 (0.01443, 0.04121) |
| Bangka Belitung | Other non-communicable diseases               | 40  | 16.3 (11.3, 23.3) | 0.0003792 (0.0002624, 0.0005416) | 0.07721 (0.05702, 0.10042)  | 14.3 (10.0, 19.8) | 0.0003721 (0.0002604, 0.0005167) | 0.08671 (0.06493, 0.11149) |
| Bangka Belitung | Drowning                                      | 40  | 1.6 (0.6, 3.6)    | 0.0000383 (0.0000141, 0.0000832) | 0.00781 (0.00295, 0.01611)  | 0.7 (0.3, 1.6)    | 0.0000191 (0.0000066, 0.0000419) | 0.00444 (0.00161, 0.00950) |
| Bangka Belitung | Falls                                         | 40  | 3.0 (1.4, 5.4)    | 0.0000696 (0.0000333, 0.0001258) | 0.01418 (0.00683, 0.02509)  | 1.6 (0.7, 2.9)    | 0.0000408 (0.0000187, 0.0000749) | 0.00952 (0.00449, 0.01698) |
| Bangka Belitung | Interpersonal violence                        | 40  | 1.7 (0.8, 3.0)    | 0.0000395 (0.0000193, 0.0000705) | 0.00805 (0.00406, 0.01403)  | 1.0 (0.4, 1.9)    | 0.0000259 (0.0000112, 0.0000496) | 0.00604 (0.00284, 0.01120) |
| Bangka Belitung | Self-harm                                     | 40  | 1.3 (0.5, 2.4)    | 0.0000292 (0.0000127, 0.0000553) | 0.00597 (0.00262, 0.01086)  | 0.6 (0.2, 1.2)    | 0.0000152 (0.0000063, 0.0000301) | 0.00354 (0.00156, 0.00667) |
| Bangka Belitung | Transport injuries                            | 40  | 14.6 (8.9, 22.0)  | 0.0003402 (0.0002082, 0.0005118) | 0.06927 (0.04469, 0.09862)  | 5.2 (3.0, 8.4)    | 0.0001359 (0.0000774, 0.0002178) | 0.03167 (0.01872, 0.04783) |
| Bangka Belitung | Other unintentional injuries                  | 40  | 8.2 (4.7, 13.0)   | 0.0001903 (0.0001098, 0.0003024) | 0.03875 (0.02387, 0.05930)  | 3.3 (1.8, 5.3)    | 0.0000857 (0.0000475, 0.0001373) | 0.01999 (0.01171, 0.03261) |
| Bangka Belitung | Diarrheal diseases                            | 45  | 2.2 (0.9, 4.3)    | 0.0000608 (0.0000239, 0.0001156) | 0.00881 (0.00366, 0.01634)  | 3.1 (1.4, 5.5)    | 0.0000924 (0.0000410, 0.0001636) | 0.01406 (0.00650, 0.02420) |
| Bangka Belitung | HIV/AIDS                                      | 45  | 0.7 (0.1, 1.9)    | 0.0000182 (0.0000035, 0.0000518) | 0.00261 (0.00054, 0.00751)  | 0.6 (0.1, 1.8)    | 0.0000176 (0.0000033, 0.0000539) | 0.00267 (0.00058, 0.00777) |
| Bangka Belitung | Lower respiratory infections                  | 45  | 2.3 (1.0, 4.7)    | 0.0000618 (0.0000259, 0.0001281) | 0.00894 (0.00375, 0.01804)  | 2.0 (0.9, 4.2)    | 0.0000608 (0.0000257, 0.0001259) | 0.00927 (0.00398, 0.01820) |
| Bangka Belitung | Malaria                                       | 45  | 2.5 (0.7, 5.8)    | 0.0000668 (0.0000190, 0.0001566) | 0.00963 (0.00273, 0.02121)  | 1.8 (0.4, 4.3)    | 0.0000531 (0.0000131, 0.0001290) | 0.0081 (0.00212, 0.01943)  |
| Bangka Belitung | Tuberculosis                                  | 45  | 14.8 (9.4, 22.4)  | 0.000399 (0.0002537, 0.0006054)  | 0.05775 (0.03873, 0.08099)  | 9.2 (5.5, 14.2)   | 0.000273 (0.0001648, 0.0004219)  | 0.04166 (0.02597, 0.06127) |
| Bangka Belitung | Maternal disorders                            | 45  |                   |                                  |                             | 0.8 (0.4, 1.7)    | 0.000025 (0.0000108, 0.0000497)  | 0.00381 (0.00175, 0.00720) |
| Bangka Belitung | Other communicable diseases                   | 45  | 5.4 (2.5, 9.3)    | 0.0001464 (0.0000683, 0.0002520) | 0.0212 (0.01065, 0.03489)   | 5.6 (2.9, 9.4)    | 0.0001682 (0.0000872, 0.0002805) | 0.02563 (0.01371, 0.04043) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 45  | 2.7 (0.8, 6.1)    | 0.0000736 (0.0000219, 0.0001653) | 0.01068 (0.00345, 0.02283)  | 1.4 (0.4, 3.2)    | 0.0000413 (0.0000125, 0.0000962) | 0.00631 (0.00194, 0.01419) |
| Bangka Belitung | Breast cancer                                 | 45  | 0.2 (0.1, 0.5)    | 0.0000059 (0.0000016, 0.0000143) | 0.00085 (0.00024, 0.00194)  | 9.9 (4.6, 16.4)   | 0.0002939 (0.0001371, 0.0004892) | 0.04473 (0.02177, 0.07192) |
| Bangka Belitung | Cervical cancer                               | 45  |                   |                                  |                             | 7.4 (2.6, 14.2)   | 0.0002198 (0.0000787, 0.0004217) | 0.03346 (0.01287, 0.06237) |
| Bangka Belitung | Other malignant neoplasms                     | 45  | 16.8 (9.9, 26.0)  | 0.0004527 (0.0002665, 0.0007028) | 0.0655 (0.04136, 0.09578)   | 8.6 (4.5, 15.0)   | 0.0002558 (0.0001327, 0.0004477) | 0.03898 (0.02063, 0.06535) |
| Bangka Belitung | Cerebrovascular disease                       | 45  | 44.9 (32.8, 61.7) | 0.0012139 (0.0008845, 0.0016660) | 0.17557 (0.14161, 0.21359)  | 44.2 (32.7, 58.0) | 0.0013151 (0.0009730, 0.0017268) | 0.20044 (0.16348, 0.24118) |
| Bangka Belitung | Ischemic heart disease                        | 45  | 44.4 (32.6, 60.0) | 0.0012002 (0.0008791, 0.0016200) | 0.17382 (0.13711, 0.21094)  | 29.5 (20.9, 40.1) | 0.0008786 (0.0006218, 0.0011937) | 0.13396 (0.10148, 0.16618) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 45  | 10.3 (5.8, 16.9)  | 0.0002792 (0.0001575, 0.0004558) | 0.04043 (0.02311, 0.06362)  | 10.7 (6.1, 17.3)  | 0.0003187 (0.0001814, 0.0005152) | 0.04864 (0.02894, 0.07512) |
| Bangka Belitung | Diabetes mellitus                             | 45  | 22.9 (16.0, 32.5) | 0.0006193 (0.0004324, 0.0008776) | 0.08965 (0.06858, 0.11704)  | 30.1 (21.2, 40.5) | 0.000895 (0.0006313, 0.0012054)  | 0.13654 (0.10525, 0.17410) |
| Bangka Belitung | Chronic kidney disease                        | 45  | 10.7 (7.3, 15.7)  | 0.0002903 (0.0001963, 0.0004238) | 0.04202 (0.03012, 0.05745)  | 9.1 (6.0, 12.9)   | 0.0002716 (0.0001778, 0.0003852) | 0.04145 (0.02899, 0.05757) |
| Bangka Belitung | Cirrhosis                                     | 45  | 15.6 (9.6, 23.3)  | 0.0004211 (0.0002602, 0.0006280) | 0.06098 (0.04011, 0.08404)  | 9.1 (5.5, 13.7)   | 0.0002715 (0.0001641, 0.0004091) | 0.04136 (0.02684, 0.05829) |
| Bangka Belitung | Chronic respiratory diseases                  | 45  | 11.1 (6.1, 17.7)  | 0.000299 (0.0001648, 0.0004769)  | 0.04328 (0.02543, 0.06415)  | 6.3 (3.4, 10.0)   | 0.0001882 (0.0001026, 0.0002979) | 0.02871 (0.01626, 0.04381) |
| Bangka Belitung | Other non-communicable diseases               | 45  | 17.2 (11.9, 24.7) | 0.0004639 (0.0003212, 0.0006677) | 0.06712 (0.05020, 0.08716)  | 16.2 (11.4, 22.2) | 0.0004816 (0.0003394, 0.0006611) | 0.07347 (0.05518, 0.09474) |
| Bangka Belitung | Drowning                                      | 45  | 1.2 (0.4, 2.6)    | 0.0000318 (0.0000109, 0.0000711) | 0.00461 (0.00164, 0.01041)  | 0.7 (0.2, 1.5)    | 0.0000202 (0.0000065, 0.0000451) | 0.00307 (0.00098, 0.00692) |
| Bangka Belitung | Falls                                         | 45  | 3.5 (1.6, 6.5)    | 0.0000946 (0.0000443, 0.0001763) | 0.0137 (0.00688, 0.02398)   | 2.3 (1.1, 4.2)    | 0.0000673 (0.0000315, 0.0001254) | 0.01028 (0.00499, 0.01838) |
| Bangka Belitung | Interpersonal violence                        | 45  | 1.5 (0.7, 2.9)    | 0.0000412 (0.0000198, 0.0000773) | 0.00598 (0.00289, 0.01088)  | 1.0 (0.4, 1.9)    | 0.0000286 (0.0000125, 0.0000577) | 0.00436 (0.00196, 0.00838) |
| Bangka Belitung | Self-harm                                     | 45  | 1.3 (0.6, 2.5)    | 0.0000346 (0.0000154, 0.0000668) | 0.00502 (0.00227, 0.00942)  | 0.6 (0.3, 1.3)    | 0.0000185 (0.0000077, 0.0000380) | 0.00283 (0.00124, 0.00565) |
| Bangka Belitung | Transport injuries                            | 45  | 15.4 (9.3, 23.3)  | 0.0004166 (0.0002522, 0.0006293) | 0.06034 (0.03787, 0.08712)  | 6.5 (3.6, 10.2)   | 0.0001929 (0.0001076, 0.0003029) | 0.02945 (0.01686, 0.04462) |
| Bangka Belitung | Other unintentional injuries                  | 45  | 8.1 (4.5, 13.1)   | 0.0002177 (0.0001221, 0.0003525) | 0.0315 (0.01888, 0.04811)   | 3.7 (2.0, 6.0)    | 0.0001096 (0.0000592, 0.0001777) | 0.01675 (0.00937, 0.02694) |
| Bangka Belitung | Diarrheal diseases                            | 50  | 3.3 (1.4, 5.9)    | 0.0001077 (0.0000466, 0.0001956) | 0.01026 (0.00454, 0.01872)  | 4.5 (2.2, 7.8)    | 0.000158 (0.0000767, 0.0002778)  | 0.0162 (0.00814, 0.02729)  |
| Bangka Belitung | HIV/AIDS                                      | 50  | 0.3 (0.1, 0.9)    | 0.0000101 (0.0000019, 0.0000294) | 0.00095 (0.000019, 0.00280) | 0.3 (0.1, 0.8)    | 0.0000099 (0.0000018, 0.0000294) | 0.0101 (0.00019, 0.00300)  |
| Bangka Belitung | Lower respiratory infections                  | 50  | 3.2 (1.3, 6.5)    | 0.0001049 (0.0000434, 0.0002133) | 0.00999 (0.00429, 0.01992)  | 2.9 (1.2, 5.8)    | 0.0001013 (0.0000443, 0.0002044) | 0.0104 (0.00462, 0.01954)  |
| Bangka Belitung | Malaria                                       | 50  | 2.7 (0.7, 6.2)    | 0.00009 (0.0000246, 0.0002055)   | 0.00853 (0.00247, 0.01895)  | 2.0 (0.5, 4.8)    | 0.0000698 (0.0000179, 0.0001720) | 0.00717 (0.00194, 0.01725) |
| Bangka Belitung | Tuberculosis                                  | 50  | 17.6 (11.3, 26.5) | 0.0005803 (0.0003724, 0.0008746) | 0.05524 (0.03725, 0.07837)  | 10.9 (6.7, 16.7)  | 0.0003876 (0.0002366, 0.0005913) | 0.03988 (0.02479, 0.05933) |
| Bangka Belitung | Maternal disorders                            | 50  |                   |                                  |                             | 0.4 (0.1, 0.9)    | 0.0000127 (0.0000038, 0.0000334) | 0.00131 (0.00043, 0.00338) |
| Bangka Belitung | Other communicable diseases                   | 50  | 6.0 (2.7, 10.2)   | 0.0001978 (0.0000906, 0.0003369) | 0.01884 (0.00914, 0.03115)  | 6.2 (3.3, 10.3)   | 0.0002191 (0.0001161, 0.0003645) | 0.02251 (0.01184, 0.03574) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 50  | 4.4 (1.5, 9.3)    | 0.0001446 (0.0000481, 0.0003073) | 0.01378 (0.00472, 0.02835)  | 1.6 (0.5, 3.6)    | 0.0000571 (0.0000178, 0.0001293) | 0.00588 (0.00188, 0.01288) |
| Bangka Belitung | Breast cancer                                 | 50  | 0.2 (0.1, 0.5)    | 0.0000065 (0.0000018, 0.0000150) | 0.00062 (0.00017, 0.00141)  | 9.4 (4.2, 15.7)   | 0.0003449 (0.0001505, 0.0005581) | 0.03438 (0.01618, 0.05634) |
| Bangka Belitung | Cervical cancer                               | 50  |                   |                                  |                             | 6.5 (2.3, 13.5)   | 0.000232 (0.0000812, 0.0004801)  | 0.02381 (0.00833, 0.04641) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males              |                                   |                            | Females            |                                  |                            |
|-----------------|-----------------------------------------------|-----|--------------------|-----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Other malignant neoplasms                     | 50  | 14.7 (8.5, 22.7)   | 0.0004847 (0.0002821, 0.0007510)  | 0.04613 (0.02856, 0.06775) | 9.7 (4.9, 16.4)    | 0.0003423 (0.0001730, 0.0005802) | 0.03515 (0.01899, 0.05710) |
| Bangka Belitung | Cerebrovascular disease                       | 50  | 65.3 (48.4, 88.5)  | 0.0021572 (0.0016001, 0.0029249)  | 0.20518 (0.16720, 0.24405) | 62.9 (47.0, 81.3)  | 0.0022292 (0.0016647, 0.0028830) | 0.22902 (0.19024, 0.26938) |
| Bangka Belitung | Ischemic heart disease                        | 50  | 60.4 (44.7, 79.5)  | 0.0019966 (0.0014770, 0.0026260)  | 0.19016 (0.15213, 0.23061) | 37.8 (26.7, 50.9)  | 0.0013394 (0.0009464, 0.0018044) | 0.13763 (0.10445, 0.17369) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 50  | 14.4 (8.1, 23.3)   | 0.0004756 (0.0002692, 0.0007688)  | 0.04528 (0.02673, 0.06995) | 15.2 (8.8, 24.0)   | 0.0005386 (0.0003128, 0.0008494) | 0.0554 (0.03355, 0.08430)  |
| Bangka Belitung | Diabetes mellitus                             | 50  | 33.1 (24.0, 45.9)  | 0.0010924 (0.0007917, 0.0015157)  | 0.10398 (0.08061, 0.13452) | 43.1 (31.0, 58.1)  | 0.0015266 (0.0011005, 0.0020607) | 0.15692 (0.12434, 0.19695) |
| Bangka Belitung | Chronic kidney disease                        | 50  | 12.3 (8.4, 17.9)   | 0.0004057 (0.0002761, 0.0005922)  | 0.03863 (0.02803, 0.05289) | 10.5 (7.0, 14.9)   | 0.0003711 (0.0002486, 0.0005288) | 0.03817 (0.02676, 0.05326) |
| Bangka Belitung | Cirrhosis                                     | 50  | 17.8 (11.1, 26.2)  | 0.0005867 (0.0003683, 0.0008666)  | 0.05589 (0.03680, 0.07738) | 10.3 (6.1, 15.6)   | 0.0003669 (0.0002166, 0.0005514) | 0.03768 (0.02405, 0.05366) |
| Bangka Belitung | Chronic respiratory diseases                  | 50  | 14.9 (8.3, 22.6)   | 0.0004918 (0.0002742, 0.0007475)  | 0.04679 (0.02811, 0.06907) | 9.2 (5.3, 14.2)    | 0.0003271 (0.0001865, 0.0005038) | 0.03362 (0.01975, 0.05048) |
| Bangka Belitung | Other non-communicable diseases               | 50  | 19.5 (13.3, 27.3)  | 0.0006437 (0.0004379, 0.0009026)  | 0.06124 (0.04524, 0.07984) | 18.4 (12.9, 25.3)  | 0.0006523 (0.0004587, 0.0008978) | 0.06706 (0.04968, 0.08797) |
| Bangka Belitung | Drowning                                      | 50  | 0.9 (0.3, 2.1)     | 0.0000305 (0.0000096, 0.0000710)  | 0.0029 (0.00095, 0.00653)  | 0.5 (0.2, 1.1)     | 0.0000178 (0.0000053, 0.0000406) | 0.00183 (0.00057, 0.00415) |
| Bangka Belitung | Falls                                         | 50  | 4.3 (2.0, 7.8)     | 0.0001421 (0.0000669, 0.0002561)  | 0.01353 (0.00668, 0.02341) | 2.6 (1.3, 4.7)     | 0.0000931 (0.0000454, 0.0001653) | 0.00959 (0.00175, 0.01651) |
| Bangka Belitung | Interpersonal violence                        | 50  | 1.3 (0.6, 2.5)     | 0.0000432 (0.0000199, 0.0000824)  | 0.00411 (0.00195, 0.00767) | 0.8 (0.3, 1.6)     | 0.000028 (0.0000115, 0.0000566)  | 0.00288 (0.00128, 0.00563) |
| Bangka Belitung | Self-harm                                     | 50  | 1.2 (0.5, 2.4)     | 0.0000401 (0.0000171, 0.0000792)  | 0.00383 (0.00168, 0.00740) | 0.6 (0.2, 1.2)     | 0.0000202 (0.0000084, 0.0000412) | 0.00207 (0.00091, 0.00433) |
| Bangka Belitung | Transport injuries                            | 50  | 13.2 (7.6, 20.5)   | 0.0004358 (0.0002504, 0.0006764)  | 0.0415 (0.02584, 0.06161)  | 5.2 (2.9, 8.5)     | 0.0001851 (0.0001029, 0.0003008) | 0.01903 (0.01085, 0.02938) |
| Bangka Belitung | Other unintentional injuries                  | 50  | 7.2 (4.0, 11.7)    | 0.0002379 (0.0001319, 0.0003875)  | 0.02263 (0.01314, 0.03511) | 3.1 (1.7, 5.1)     | 0.0001108 (0.0000611, 0.0001807) | 0.01141 (0.00661, 0.01818) |
| Bangka Belitung | Diarrheal diseases                            | 55  | 3.8 (1.7, 7.1)     | 0.0001625 (0.0000727, 0.0003033)  | 0.01056 (0.00467, 0.01885) | 4.9 (2.4, 8.5)     | 0.0002453 (0.0001207, 0.0004296) | 0.01696 (0.00874, 0.02835) |
| Bangka Belitung | HIV/AIDS                                      | 55  | 0.1 (0.0, 0.4)     | 0.0000057 (0.0000011, 0.0000171)  | 0.00037 (0.00007, 0.00109) | 0.1 (0.0, 0.3)     | 0.0000057 (0.0000011, 0.0000170) | 0.00039 (0.00007, 0.00115) |
| Bangka Belitung | Lower respiratory infections                  | 55  | 3.5 (1.5, 7.1)     | 0.0001477 (0.0000633, 0.0003008)  | 0.00959 (0.00420, 0.01908) | 3.0 (1.4, 6.1)     | 0.0001508 (0.0000682, 0.0003082) | 0.01042 (0.00473, 0.02007) |
| Bangka Belitung | Malaria                                       | 55  | 3.0 (0.9, 6.7)     | 0.0001271 (0.0000365, 0.0002867)  | 0.00822 (0.00232, 0.01816) | 1.9 (0.5, 4.8)     | 0.0000951 (0.0000220, 0.0001553) | 0.00659 (0.00175, 0.01610) |
| Bangka Belitung | Tuberculosis                                  | 55  | 16.9 (10.6, 25.9)  | 0.0007214 (0.0004503, 0.0011044)  | 0.04685 (0.03005, 0.06672) | 9.4 (5.3, 15.0)    | 0.0004743 (0.0002688, 0.0007539) | 0.03287 (0.01983, 0.04979) |
| Bangka Belitung | Other communicable diseases                   | 55  | 6.1 (2.8, 10.6)    | 0.000259 (0.0001184, 0.0004530)   | 0.01684 (0.00822, 0.02793) | 6.0 (3.1, 10.0)    | 0.0003025 (0.0001572, 0.0005013) | 0.02092 (0.01098, 0.03302) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 55  | 4.7 (1.6, 9.7)     | 0.0002002 (0.0000667, 0.0004146)  | 0.01303 (0.00434, 0.02609) | 1.4 (0.4, 3.1)     | 0.000069 (0.0000220, 0.0001553)  | 0.00478 (0.00146, 0.01032) |
| Bangka Belitung | Breast cancer                                 | 55  | 0.2 (0.1, 0.4)     | 0.0000076 (0.0000022, 0.0000178)  | 0.0005 (0.00015, 0.00113)  | 7.0 (3.1, 11.9)    | 0.0003527 (0.0001543, 0.0005974) | 0.02438 (0.01093, 0.04036) |
| Bangka Belitung | Cervical cancer                               | 55  |                    |                                   |                            | 4.5 (1.5, 9.3)     | 0.0002273 (0.0000769, 0.0004674) | 0.01571 (0.00537, 0.03152) |
| Bangka Belitung | Other malignant neoplasms                     | 55  | 12.9 (7.6, 19.9)   | 0.000551 (0.0003223, 0.0008460)   | 0.03578 (0.02184, 0.05339) | 8.4 (4.4, 14.7)    | 0.000424 (0.0002222, 0.0007369)  | 0.02932 (0.01585, 0.04781) |
| Bangka Belitung | Cerebrovascular disease                       | 55  | 83.5 (63.1, 110.0) | 0.0035552 (0.0026878, 0.0046843)  | 0.23078 (0.19064, 0.27248) | 74.4 (56.4, 95.4)  | 0.0037385 (0.0028381, 0.0047971) | 0.25878 (0.21791, 0.30075) |
| Bangka Belitung | Ischemic heart disease                        | 55  | 74.5 (55.5, 96.2)  | 0.0031751 (0.0023651, 0.0040978)  | 0.20635 (0.16701, 0.24743) | 43.3 (31.2, 57.4)  | 0.0021755 (0.0015701, 0.0028869) | 0.15064 (0.11571, 0.18791) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 55  | 18.2 (10.3, 29.3)  | 0.0007741 (0.0004407, 0.0012493)  | 0.05031 (0.02965, 0.07769) | 17.3 (10.1, 27.1)  | 0.0008681 (0.0005058, 0.0013629) | 0.06016 (0.03632, 0.09141) |
| Bangka Belitung | Diabetes mellitus                             | 55  | 39.3 (28.4, 53.6)  | 0.0016737 (0.0012087, 0.0022848)  | 0.10868 (0.08455, 0.14026) | 46.3 (33.6, 62.3)  | 0.0023301 (0.0016904, 0.0031301) | 0.16136 (0.12901, 0.20390) |
| Bangka Belitung | Chronic kidney disease                        | 55  | 13.4 (9.1, 19.4)   | 0.0005697 (0.0003873, 0.0008261)  | 0.03703 (0.02695, 0.05040) | 10.2 (6.9, 14.6)   | 0.000512 (0.0003452, 0.0007327)  | 0.03549 (0.02482, 0.04917) |
| Bangka Belitung | Cirrhosis                                     | 55  | 17.7 (11.1, 26.3)  | 0.000752 (0.0004742, 0.0011197)   | 0.04889 (0.03167, 0.06772) | 9.7 (5.9, 14.5)    | 0.0004854 (0.0002950, 0.0007295) | 0.03358 (0.02150, 0.04803) |
| Bangka Belitung | Chronic respiratory diseases                  | 55  | 17.9 (10.1, 27.1)  | 0.0007626 (0.0004319, 0.0011554)  | 0.04951 (0.03070, 0.07261) | 10.0 (5.8, 14.8)   | 0.0005008 (0.0002900, 0.0007455) | 0.03469 (0.02085, 0.05131) |
| Bangka Belitung | Other non-communicable diseases               | 55  | 22.4 (15.5, 31.8)  | 0.0009529 (0.0006590, 0.0013539)  | 0.06187 (0.04582, 0.08045) | 19.4 (13.6, 26.6)  | 0.0009741 (0.0006860, 0.0013395) | 0.06747 (0.05039, 0.08845) |
| Bangka Belitung | Drowning                                      | 55  | 0.7 (0.2, 1.6)     | 0.0000293 (0.0000093, 0.0000680)  | 0.0019 (0.00062, 0.00438)  | 0.4 (0.1, 0.9)     | 0.000019 (0.0000058, 0.0000454)  | 0.00131 (0.00043, 0.00310) |
| Bangka Belitung | Falls                                         | 55  | 4.8 (2.4, 8.6)     | 0.0002054 (0.0001020, 0.0003667)  | 0.01334 (0.00670, 0.02285) | 2.9 (1.4, 5.0)     | 0.0001433 (0.0000708, 0.0002495) | 0.00995 (0.00509, 0.01711) |
| Bangka Belitung | Interpersonal violence                        | 55  | 1.1 (0.5, 2.1)     | 0.0000472 (0.0000215, 0.0000910)  | 0.00307 (0.00146, 0.00576) | 0.6 (0.2, 1.2)     | 0.0000289 (0.0000119, 0.0000585) | 0.002 (0.00089, 0.00394)   |
| Bangka Belitung | Self-harm                                     | 55  | 1.2 (0.5, 2.3)     | 0.0000506 (0.0000220, 0.0001000)  | 0.0033 (0.00149, 0.00640)  | 0.5 (0.2, 1.0)     | 0.0000235 (0.0000098, 0.0000486) | 0.00163 (0.00069, 0.00321) |
| Bangka Belitung | Transport injuries                            | 55  | 9.3 (5.3, 15.1)    | 0.0003981 (0.0002250, 0.0006432)  | 0.02587 (0.01507, 0.04065) | 3.4 (1.9, 5.8)     | 0.0001731 (0.0000938, 0.0002900) | 0.01199 (0.00650, 0.01936) |
| Bangka Belitung | Other unintentional injuries                  | 55  | 6.3 (3.4, 10.2)    | 0.0002676 (0.0001449, 0.0004345)  | 0.01737 (0.01004, 0.02744) | 2.5 (1.3, 4.2)     | 0.0001241 (0.0000647, 0.0002097) | 0.00861 (0.00471, 0.01422) |
| Bangka Belitung | Diarrheal diseases                            | 60  | 4.4 (1.9, 8.0)     | 0.0002957 (0.0001265, 0.0005367)  | 0.01166 (0.00528, 0.02062) | 5.4 (2.7, 9.2)     | 0.0004059 (0.0002037, 0.0006855) | 0.01871 (0.00974, 0.03029) |
| Bangka Belitung | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.3)     | 0.0000064 (0.0000011, 0.0000193)  | 0.00025 (0.00004, 0.00074) | 0.1 (0.0, 0.2)     | 0.0000058 (0.0000010, 0.0000181) | 0.00027 (0.00005, 0.00084) |
| Bangka Belitung | Lower respiratory infections                  | 60  | 4.8 (2.1, 9.5)     | 0.0003229 (0.0001431, 0.0006376)  | 0.01273 (0.00593, 0.02419) | 4.3 (2.0, 8.3)     | 0.0003188 (0.0001462, 0.0006214) | 0.0147 (0.00702, 0.02707)  |
| Bangka Belitung | Malaria                                       | 60  | 3.2 (0.9, 7.3)     | 0.0002115 (0.0000586, 0.0004865)  | 0.00831 (0.00242, 0.01790) | 1.9 (0.5, 4.9)     | 0.000139 (0.0000359, 0.0003644)  | 0.00642 (0.00171, 0.01605) |
| Bangka Belitung | Tuberculosis                                  | 60  | 19.9 (12.8, 29.9)  | 0.0013355 (0.0008589, 0.0020072)  | 0.05264 (0.03469, 0.07550) | 11.1 (6.6, 17.2)   | 0.0008246 (0.0004927, 0.0012819) | 0.0381 (0.02327, 0.05707)  |
| Bangka Belitung | Other communicable diseases                   | 60  | 5.1 (2.3, 9.0)     | 0.0003411 (0.0001516, 0.0006019)  | 0.01346 (0.00618, 0.02400) | 4.9 (2.4, 8.4)     | 0.0003665 (0.0001818, 0.0006265) | 0.01692 (0.00855, 0.02874) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 60  | 4.7 (1.5, 10.0)    | 0.0003176 (0.0001021, 0.0006711)  | 0.01254 (0.00419, 0.02602) | 1.2 (0.4, 2.8)     | 0.0000915 (0.0000270, 0.0002070) | 0.00423 (0.00128, 0.00961) |
| Bangka Belitung | Breast cancer                                 | 60  | 0.2 (0.0, 0.4)     | 0.0000104 (0.0000030, 0.0000248)  | 0.00041 (0.00012, 0.00096) | 4.6 (1.9, 8.0)     | 0.0003448 (0.0001443, 0.0005994) | 0.01589 (0.00677, 0.02743) |
| Bangka Belitung | Cervical cancer                               | 60  |                    |                                   |                            | 3.6 (1.2, 7.4)     | 0.0002685 (0.0000901, 0.0005546) | 0.01238 (0.00421, 0.02493) |
| Bangka Belitung | Other malignant neoplasms                     | 60  | 12.3 (7.3, 18.8)   | 0.0008226 (0.0004882, 0.0012608)  | 0.03241 (0.01965, 0.04850) | 7.7 (4.1, 13.4)    | 0.000577 (0.0003026, 0.0009954)  | 0.02661 (0.01453, 0.04357) |
| Bangka Belitung | Cerebrovascular disease                       | 60  | 93.5 (70.7, 121.7) | 0.0062656 (0.0047353, 0.0081554)  | 0.24684 (0.20768, 0.28802) | 81.3 (63.7, 102.9) | 0.0060557 (0.0047503, 0.0076653) | 0.27959 (0.23738, 0.32260) |
| Bangka Belitung | Ischemic heart disease                        | 60  | 74.5 (55.1, 95.8)  | 0.0049911 (0.0036933, 0.0064200)  | 0.19682 (0.15648, 0.23817) | 44.4 (32.3, 58.2)  | 0.0033127 (0.0024078, 0.0043347) | 0.153 (0.11729, 0.19058)   |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 60  | 20.6 (12.0, 33.0)  | 0.0013838 (0.0008052, 0.0022129)  | 0.05457 (0.03199, 0.08480) | 18.2 (10.7, 28.3)  | 0.0013597 (0.0007964, 0.0021062) | 0.06284 (0.03804, 0.09448) |
| Bangka Belitung | Diabetes mellitus                             | 60  | 35.9 (26.0, 48.9)  | 0.0024085 (0.00017440, 0.0032788) | 0.09493 (0.07298, 0.12323) | 41.2 (30.4, 55.0)  | 0.0030798 (0.0022665, 0.0040966) | 0.14192 (0.11042, 0.17985) |
| Bangka Belitung | Chronic kidney disease                        | 60  | 12.5 (8.6, 18.0)   | 0.0008402 (0.0005741, 0.0012063)  | 0.03315 (0.02386, 0.04490) | 9.1 (6.1, 12.9)    | 0.0006798 (0.0004571, 0.0009625) | 0.03142 (0.02167, 0.04394) |
| Bangka Belitung | Cirrhosis                                     | 60  | 15.6 (9.9, 23.0)   | 0.0010442 (0.0006651, 0.0015433)  | 0.04119 (0.02683, 0.05798) | 8.4 (5.1, 12.6)    | 0.0006244 (0.0003821, 0.0009401) | 0.02881 (0.01846, 0.04154) |
| Bangka Belitung | Chronic respiratory diseases                  | 60  | 26.0 (15.8, 38.1)  | 0.0017412 (0.0010621, 0.0025547)  | 0.06861 (0.04548, 0.09614) | 13.3 (8.0, 19.5)   | 0.0009913 (0.0005987, 0.0014528) | 0.0458 (0.02841, 0.06633)  |
| Bangka Belitung | Other non-communicable diseases               | 60  | 25.8 (18.0, 36.1)  | 0.0017315 (0.0012058, 0.0024226)  | 0.06821 (0.05007, 0.08846) | 21.4 (15.3, 29.0)  | 0.0015943 (0.0011382, 0.0021627) | 0.07365 (0.05460, 0.09507) |
| Bangka Belitung | Drowning                                      | 60  | 0.5 (0.2, 1.3)     | 0.0000357 (0.0000104, 0.0000902)  | 0.00141 (0.00043, 0.00343) | 0.3 (0.1, 0.8)     | 0.0000227 (0.0000061, 0.0000561) | 0.00105 (0.00030, 0.00253) |
| Bangka Belitung | Falls                                         | 60  | 4.1 (2.1, 7.3)     | 0.000277 (0.0001399, 0.0004907)   | 0.01092 (0.00565, 0.01877) | 2.5 (1.3, 4.2)     | 0.0001843 (0.0000944, 0.0003147) | 0.00852 (0.00442, 0.01438) |
| Bangka Belitung | Interpersonal violence                        | 60  | 0.8 (0.3, 1.4)     | 0.0000514 (0.0000221, 0.0000971)  | 0.00202 (0.00091, 0.00385) | 0.4 (0.1, 0.8)     | 0.000028 (0.0000109, 0.0000598)  | 0.00129 (0.00051, 0.00269) |
| Bangka Belitung | Self-harm                                     | 60  | 0.9 (0.4, 1.9)     | 0.0000623 (0.0000270, 0.0001248)  | 0.00246 (0.00110, 0.00473) | 0.3 (0.1, 0.7)     | 0.0000254 (0.0000101, 0.0000519) | 0.00117 (0.00047, 0.00236) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males               |                                  |                              | Females             |                                  |                            |
|-----------------|-----------------------------------------------|-----|---------------------|----------------------------------|------------------------------|---------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Transport injuries                            | 60  | 7.9 (4.5, 12.5)     | 0.0005303 (0.0003007, 0.0008408) | 0.02091 (0.01209, 0.03229)   | 2.9 (1.6, 4.7)      | 0.0002152 (0.0001176, 0.0003539) | 0.00995 (0.00542, 0.01592) |
| Bangka Belitung | Other unintentional injuries                  | 60  | 5.1 (2.8, 8.5)      | 0.0003438 (0.0001904, 0.0005664) | 0.01355 (0.00766, 0.02120)   | 2.0 (1.0, 3.3)      | 0.000146 (0.0000770, 0.0002464)  | 0.00676 (0.00361, 0.01143) |
| Bangka Belitung | Diarrheal diseases                            | 65  | 6.7 (3.1, 11.4)     | 0.0007104 (0.0003326, 0.0012179) | 0.0195 (0.00986, 0.03347)    | 8.9 (4.9, 14.2)     | 0.0009377 (0.0005213, 0.0014922) | 0.02918 (0.01680, 0.04543) |
| Bangka Belitung | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.2)      | 0.0000086 (0.0000015, 0.0000266) | 0.00023 (0.000004, 0.000071) | 0.1 (0.0, 0.2)      | 0.0000078 (0.0000014, 0.0000238) | 0.00024 (0.00004, 0.00075) |
| Bangka Belitung | Lower respiratory infections                  | 65  | 5.0 (2.2, 9.8)      | 0.0005347 (0.0002335, 0.0010426) | 0.01467 (0.00677, 0.02797)   | 5.0 (2.3, 9.6)      | 0.00053 (0.0002409, 0.0010077)   | 0.01649 (0.00771, 0.02985) |
| Bangka Belitung | Malaria                                       | 65  | 2.9 (0.8, 6.9)      | 0.0003129 (0.0000833, 0.0007390) | 0.00856 (0.00243, 0.01992)   | 1.9 (0.5, 4.9)      | 0.0001961 (0.0000479, 0.0005199) | 0.00611 (0.00156, 0.01561) |
| Bangka Belitung | Tuberculosis                                  | 65  | 18.1 (11.3, 27.3)   | 0.0019367 (0.0012022, 0.0029167) | 0.05313 (0.03465, 0.07490)   | 11.3 (6.6, 17.6)    | 0.001192 (0.0006955, 0.0018520)  | 0.03716 (0.02200, 0.05572) |
| Bangka Belitung | Other communicable diseases                   | 65  | 4.5 (2.0, 7.9)      | 0.0004857 (0.0002181, 0.0008436) | 0.01334 (0.00638, 0.02333)   | 4.8 (2.4, 8.4)      | 0.0005056 (0.0002558, 0.0008862) | 0.01574 (0.00793, 0.02671) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 65  | 3.5 (1.1, 7.5)      | 0.0003745 (0.0001176, 0.0007999) | 0.01028 (0.00333, 0.02132)   | 1.0 (0.3, 2.3)      | 0.0001053 (0.0000309, 0.0002408) | 0.00328 (0.00097, 0.00731) |
| Bangka Belitung | Breast cancer                                 | 65  | 0.1 (0.0, 0.3)      | 0.0000117 (0.0000031, 0.0000295) | 0.00032 (0.00009, 0.00083)   | 3.2 (1.3, 5.8)      | 0.0003419 (0.0001373, 0.0006151) | 0.01063 (0.00430, 0.01843) |
| Bangka Belitung | Cervical cancer                               | 65  |                     |                                  |                              | 2.6 (0.8, 5.4)      | 0.000277 (0.0000876, 0.0005681)  | 0.00862 (0.00271, 0.01756) |
| Bangka Belitung | Other malignant neoplasms                     | 65  | 8.7 (5.1, 13.4)     | 0.0009256 (0.0005420, 0.0014327) | 0.02539 (0.01553, 0.03808)   | 7.3 (3.9, 12.2)     | 0.0007722 (0.0004114, 0.0012886) | 0.02402 (0.01323, 0.03822) |
| Bangka Belitung | Cerebrovascular disease                       | 65  | 89.1 (66.8, 113.3)  | 0.0095123 (0.0071352, 0.0120962) | 0.2609 (0.22003, 0.30281)    | 90.5 (71.9, 113.2)  | 0.0095292 (0.0075775, 0.0119258) | 0.29674 (0.25451, 0.33880) |
| Bangka Belitung | Ischemic heart disease                        | 65  | 65.8 (47.8, 85.7)   | 0.0070263 (0.0051087, 0.0091475) | 0.19287 (0.15273, 0.23403)   | 46.0 (33.8, 60.2)   | 0.0048473 (0.0035570, 0.0063363) | 0.151 (0.11675, 0.18864)   |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 65  | 20.7 (12.1, 32.7)   | 0.0022121 (0.0012877, 0.0034914) | 0.06073 (0.03613, 0.09241)   | 21.3 (12.9, 32.6)   | 0.0022448 (0.0013611, 0.0034337) | 0.06997 (0.04251, 0.10406) |
| Bangka Belitung | Diabetes mellitus                             | 65  | 26.2 (18.7, 36.1)   | 0.002801 (0.0019960, 0.0038585)  | 0.07685 (0.05823, 0.09931)   | 35.8 (26.1, 47.3)   | 0.0037673 (0.0027443, 0.0049863) | 0.11737 (0.09060, 0.14906) |
| Bangka Belitung | Chronic kidney disease                        | 65  | 10.6 (7.2, 15.3)    | 0.0011282 (0.0007731, 0.0016308) | 0.03099 (0.02269, 0.04268)   | 9.0 (6.1, 12.8)     | 0.0009499 (0.0006436, 0.0013461) | 0.02961 (0.02083, 0.04143) |
| Bangka Belitung | Cirrhosis                                     | 65  | 11.2 (6.9, 16.4)    | 0.0011939 (0.0007409, 0.0017481) | 0.03279 (0.02124, 0.04591)   | 7.1 (4.4, 10.8)     | 0.0007464 (0.0004612, 0.0011345) | 0.02323 (0.01467, 0.03317) |
| Bangka Belitung | Chronic respiratory diseases                  | 65  | 26.2 (16.1, 37.6)   | 0.0027961 (0.0017247, 0.0040127) | 0.07672 (0.05018, 0.10584)   | 15.6 (9.5, 22.4)    | 0.0016443 (0.0010051, 0.0023551) | 0.05123 (0.03226, 0.07291) |
| Bangka Belitung | Other non-communicable diseases               | 65  | 26.5 (18.6, 36.5)   | 0.0028263 (0.0019839, 0.0039016) | 0.07751 (0.05811, 0.09910)   | 25.6 (18.7, 34.6)   | 0.0026958 (0.0019694, 0.0036461) | 0.08399 (0.06378, 0.10725) |
| Bangka Belitung | Drowning                                      | 65  | 0.4 (0.1, 1.0)      | 0.0000422 (0.0000116, 0.0001085) | 0.00115 (0.00034, 0.00274)   | 0.3 (0.1, 0.6)      | 0.0000275 (0.0000071, 0.0000662) | 0.00086 (0.00023, 0.00209) |
| Bangka Belitung | Falls                                         | 65  | 3.9 (1.9, 6.8)      | 0.0004137 (0.0002053, 0.0007212) | 0.01135 (0.00571, 0.01978)   | 2.7 (1.4, 4.6)      | 0.0002807 (0.0001423, 0.0004808) | 0.00875 (0.00461, 0.01484) |
| Bangka Belitung | Interpersonal violence                        | 65  | 0.5 (0.2, 1.0)      | 0.0000549 (0.0000227, 0.0001120) | 0.00151 (0.00065, 0.00311)   | 0.3 (0.1, 0.7)      | 0.00003 (0.0000114, 0.0000693)   | 0.00093 (0.00037, 0.00206) |
| Bangka Belitung | Self-harm                                     | 65  | 0.7 (0.3, 1.5)      | 0.0000758 (0.0000308, 0.0001558) | 0.00208 (0.00088, 0.00419)   | 0.3 (0.1, 0.6)      | 0.0000308 (0.0000122, 0.0000633) | 0.00096 (0.00038, 0.00194) |
| Bangka Belitung | Transport injuries                            | 65  | 5.8 (3.3, 9.4)      | 0.0006225 (0.0003488, 0.0009998) | 0.01709 (0.00975, 0.02689)   | 2.4 (1.3, 4.0)      | 0.0002565 (0.0001346, 0.0004256) | 0.008 (0.00425, 0.01332)   |
| Bangka Belitung | Other unintentional injuries                  | 65  | 4.1 (2.2, 6.7)      | 0.0004386 (0.0002366, 0.0007126) | 0.01203 (0.00674, 0.01901)   | 1.8 (0.9, 3.1)      | 0.0001882 (0.0000972, 0.0003246) | 0.00587 (0.00311, 0.01004) |
| Bangka Belitung | Diarrheal diseases                            | 70  | 10.8 (5.4, 17.7)    | 0.0016337 (0.0008229, 0.0026842) | 0.02842 (0.01512, 0.04564)   | 14.7 (8.6, 22.9)    | 0.0020013 (0.0011722, 0.0031090) | 0.0392 (0.02383, 0.05954)  |
| Bangka Belitung | HIV/AIDS                                      | 70  | 0.1 (0.0, 0.3)      | 0.0000176 (0.0000030, 0.0000518) | 0.00031 (0.00005, 0.00093)   | 0.1 (0.0, 0.4)      | 0.0000157 (0.0000027, 0.0000508) | 0.00031 (0.00005, 0.00095) |
| Bangka Belitung | Lower respiratory infections                  | 70  | 7.0 (3.2, 13.7)     | 0.0010654 (0.0004914, 0.0020650) | 0.01853 (0.00866, 0.03455)   | 7.8 (3.8, 14.5)     | 0.0010586 (0.0005125, 0.0019760) | 0.02074 (0.00994, 0.03757) |
| Bangka Belitung | Malaria                                       | 70  | 3.1 (0.8, 7.7)      | 0.0004726 (0.0001218, 0.0011620) | 0.00819 (0.00217, 0.02001)   | 2.0 (0.5, 5.2)      | 0.0002726 (0.0000646, 0.0007113) | 0.00534 (0.00129, 0.01350) |
| Bangka Belitung | Tuberculosis                                  | 70  | 20.2 (12.3, 31.1)   | 0.0030607 (0.0018663, 0.0047038) | 0.05322 (0.03362, 0.07862)   | 13.9 (8.2, 22.3)    | 0.0018951 (0.0011179, 0.0030262) | 0.03719 (0.02182, 0.05709) |
| Bangka Belitung | Other communicable diseases                   | 70  | 5.5 (2.5, 9.7)      | 0.0008339 (0.0003805, 0.0014706) | 0.01452 (0.00711, 0.02513)   | 6.0 (2.9, 10.6)     | 0.0008094 (0.0003957, 0.0014385) | 0.01587 (0.00794, 0.02758) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 70  | 3.4 (1.1, 7.4)      | 0.0005178 (0.0001622, 0.0011227) | 0.00901 (0.00287, 0.01952)   | 1.0 (0.3, 2.4)      | 0.0001394 (0.0000401, 0.0003312) | 0.00273 (0.00080, 0.00629) |
| Bangka Belitung | Breast cancer                                 | 70  | 0.1 (0.0, 0.2)      | 0.000013 (0.0000028, 0.0000352)  | 0.00023 (0.00005, 0.00063)   | 2.4 (0.9, 4.3)      | 0.0003229 (0.0001235, 0.0005904) | 0.00632 (0.00245, 0.01150) |
| Bangka Belitung | Cervical cancer                               | 70  |                     |                                  |                              | 1.9 (0.5, 4.2)      | 0.0002582 (0.0000738, 0.0005714) | 0.00506 (0.00148, 0.01085) |
| Bangka Belitung | Other malignant neoplasms                     | 70  | 7.3 (4.2, 11.5)     | 0.0011045 (0.0006347, 0.0017360) | 0.01921 (0.01154, 0.02880)   | 7.1 (3.8, 11.7)     | 0.0009593 (0.0005116, 0.0015902) | 0.01878 (0.01039, 0.02986) |
| Bangka Belitung | Cerebrovascular disease                       | 70  | 100.9 (76.3, 128.1) | 0.0152589 (0.0115322, 0.0193766) | 0.26532 (0.22383, 0.30844)   | 115.1 (91.8, 144.0) | 0.0156499 (0.0124808, 0.0195852) | 0.30676 (0.26396, 0.34965) |
| Bangka Belitung | Ischemic heart disease                        | 70  | 70.0 (50.7, 90.6)   | 0.0105788 (0.0076709, 0.0136961) | 0.18407 (0.14571, 0.22602)   | 57.5 (42.7, 74.7)   | 0.0078164 (0.0058043, 0.0101554) | 0.15328 (0.11892, 0.19166) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 70  | 25.1 (14.8, 39.6)   | 0.0037962 (0.0022445, 0.0059842) | 0.06609 (0.04043, 0.10017)   | 28.2 (17.3, 43.8)   | 0.0038359 (0.0023458, 0.0059505) | 0.07524 (0.04616, 0.11272) |
| Bangka Belitung | Diabetes mellitus                             | 70  | 21.6 (15.2, 30.2)   | 0.0032719 (0.0023044, 0.0045724) | 0.05691 (0.04296, 0.07564)   | 33.5 (24.4, 44.5)   | 0.0045489 (0.0033121, 0.0060571) | 0.0892 (0.06817, 0.11667)  |
| Bangka Belitung | Chronic kidney disease                        | 70  | 10.1 (6.8, 15.0)    | 0.0015345 (0.0010248, 0.0022640) | 0.02671 (0.01930, 0.03783)   | 9.7 (6.4, 13.8)     | 0.0013176 (0.0008753, 0.0018817) | 0.02585 (0.01790, 0.03658) |
| Bangka Belitung | Cirrhosis                                     | 70  | 10.4 (6.5, 15.5)    | 0.0015731 (0.0009763, 0.0023454) | 0.02739 (0.01775, 0.03926)   | 7.4 (4.6, 11.1)     | 0.0010062 (0.0006206, 0.0015099) | 0.01972 (0.01266, 0.02872) |
| Bangka Belitung | Chronic respiratory diseases                  | 70  | 35.5 (22.3, 50.1)   | 0.0053725 (0.0033781, 0.0075750) | 0.09346 (0.06275, 0.12633)   | 23.0 (14.4, 32.9)   | 0.0031295 (0.0019627, 0.0044725) | 0.06138 (0.03943, 0.08671) |
| Bangka Belitung | Other non-communicable diseases               | 70  | 32.4 (22.8, 43.9)   | 0.0048989 (0.0034497, 0.0066377) | 0.08517 (0.06423, 0.10847)   | 34.7 (25.6, 46.3)   | 0.0047211 (0.0034817, 0.0062903) | 0.09259 (0.07109, 0.11747) |
| Bangka Belitung | Drowning                                      | 70  | 0.7 (0.2, 1.5)      | 0.0001053 (0.0000344, 0.0002339) | 0.00183 (0.00061, 0.00404)   | 0.5 (0.2, 1.1)      | 0.0000664 (0.0000228, 0.0001541) | 0.00134 (0.00046, 0.00306) |
| Bangka Belitung | Falls                                         | 70  | 4.6 (2.2, 8.0)      | 0.0006891 (0.0003402, 0.0012047) | 0.01199 (0.00621, 0.02002)   | 3.4 (1.8, 5.8)      | 0.0004689 (0.0002484, 0.0007843) | 0.00917 (0.00498, 0.01524) |
| Bangka Belitung | Interpersonal violence                        | 70  | 0.4 (0.1, 0.9)      | 0.0000594 (0.0000221, 0.0001306) | 0.00103 (0.00039, 0.00223)   | 0.2 (0.1, 0.6)      | 0.0000321 (0.0000108, 0.0000787) | 0.00063 (0.00021, 0.00156) |
| Bangka Belitung | Self-harm                                     | 70  | 0.6 (0.3, 1.3)      | 0.0000965 (0.0000387, 0.0002025) | 0.00168 (0.00069, 0.00334)   | 0.3 (0.1, 0.6)      | 0.0000387 (0.0000148, 0.0000807) | 0.00076 (0.00030, 0.00156) |
| Bangka Belitung | Transport injuries                            | 70  | 5.9 (3.2, 9.8)      | 0.0008911 (0.0004807, 0.0014864) | 0.01552 (0.00860, 0.02508)   | 2.7 (1.4, 4.5)      | 0.0003651 (0.0001906, 0.0006186) | 0.00717 (0.00372, 0.01192) |
| Bangka Belitung | Other unintentional injuries                  | 70  | 4.2 (2.3, 7.0)      | 0.0006423 (0.0003539, 0.0010567) | 0.01117 (0.00631, 0.01789)   | 2.0 (1.0, 3.4)      | 0.0002738 (0.0001397, 0.0004663) | 0.00537 (0.00278, 0.00906) |
| Bangka Belitung | Diarrheal diseases                            | 75  | 9.7 (5.2, 15.5)     | 0.002833 (0.0015185, 0.0045588)  | 0.03495 (0.01971, 0.05358)   | 16.8 (10.3, 24.9)   | 0.0036537 (0.0022326, 0.0053984) | 0.04609 (0.02923, 0.06626) |
| Bangka Belitung | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.2)      | 0.0000194 (0.0000030, 0.0000623) | 0.00024 (0.00004, 0.00073)   | 0.1 (0.0, 0.3)      | 0.0000182 (0.0000029, 0.0000577) | 0.00023 (0.00004, 0.00075) |
| Bangka Belitung | Lower respiratory infections                  | 75  | 5.5 (2.5, 10.3)     | 0.0016047 (0.0007248, 0.0030147) | 0.01979 (0.00944, 0.03616)   | 7.7 (3.8, 13.8)     | 0.0016769 (0.0008205, 0.0029884) | 0.02116 (0.01054, 0.03722) |
| Bangka Belitung | Malaria                                       | 75  | 2.3 (0.6, 5.8)      | 0.0006762 (0.0001646, 0.0017051) | 0.00083 (0.000208, 0.00206)  | 1.9 (0.4, 5.4)      | 0.0004109 (0.0000888, 0.0011621) | 0.00518 (0.00116, 0.01473) |
| Bangka Belitung | Tuberculosis                                  | 75  | 12.2 (6.9, 19.2)    | 0.003582 (0.0020192, 0.0056314)  | 0.04415 (0.02733, 0.06528)   | 10.7 (6.0, 17.3)    | 0.0023322 (0.0013035, 0.0037638) | 0.02947 (0.01670, 0.04596) |
| Bangka Belitung | Other communicable diseases                   | 75  | 4.0 (1.9, 7.2)      | 0.0011806 (0.0005658, 0.0020996) | 0.01457 (0.00703, 0.02538)   | 5.6 (2.8, 9.9)      | 0.0012069 (0.0006124, 0.0021405) | 0.01524 (0.00761, 0.02630) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 75  | 1.9 (0.6, 4.1)      | 0.0005449 (0.0001629, 0.0012155) | 0.00672 (0.00215, 0.01466)   | 0.7 (0.2, 1.8)      | 0.0001573 (0.0000454, 0.0003830) | 0.00199 (0.00058, 0.00465) |
| Bangka Belitung | Breast cancer                                 | 75  | - (0.0, 0.1)        | 0.0000115 (0.0000023, 0.0000327) | 0.00014 (0.00003, 0.00042)   | 1.4 (0.5, 2.7)      | 0.0003123 (0.0001142, 0.0005929) | 0.00394 (0.00145, 0.00745) |
| Bangka Belitung | Cervical cancer                               | 75  |                     |                                  |                              | 1.2 (0.3, 2.6)      | 0.0002564 (0.0000742, 0.0005668) | 0.00323 (0.00093, 0.00706) |
| Bangka Belitung | Other malignant neoplasms                     | 75  | 4.0 (2.2, 6.4)      | 0.0011662 (0.0006595, 0.0018670) | 0.01438 (0.00858, 0.02189)   | 5.7 (3.2, 9.5)      | 0.0012406 (0.0006902, 0.0020680) | 0.01564 (0.00890, 0.02490) |
| Bangka Belitung | Cerebrovascular disease                       | 75  | 73.8 (55.0, 95.3)   | 0.0216523 (0.0161265, 0.0279671) | 0.26688 (0.22448, 0.31108)   | 113.4 (91.8, 140.6) | 0.0246176 (0.0199176, 0.0305286) | 0.31066 (0.26709, 0.35660) |
| Bangka Belitung | Ischemic heart disease                        | 75  | 54.3 (38.4, 71.8)   | 0.0159386 (0.0112735, 0.0210597) | 0.19654 (0.15505, 0.23839)   | 60.1 (45.2, 77.2)   | 0.0130547 (0.0098204, 0.0167518) | 0.1648 (0.12578, 0.20475)  |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                |                                  |                            | Females                |                                  |                            |
|-----------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 75  | 18.6 (10.8, 29.7)    | 0.0054565 (0.0031724, 0.0087103) | 0.06733 (0.04149, 0.10286) | 28.2 (17.3, 43.3)      | 0.0061161 (0.0037490, 0.0094095) | 0.07722 (0.04783, 0.11551) |
| Bangka Belitung | Diabetes mellitus                                        | 75  | 13.1 (9.0, 18.6)     | 0.0038356 (0.0026458, 0.0054551) | 0.04729 (0.03520, 0.06310) | 27.4 (20.1, 37.1)      | 0.0059466 (0.0043562, 0.0080537) | 0.07507 (0.05701, 0.09763) |
| Bangka Belitung | Chronic kidney disease                                   | 75  | 6.5 (4.2, 9.6)       | 0.0018981 (0.0012464, 0.0028061) | 0.02342 (0.01649, 0.03284) | 8.3 (5.5, 11.8)        | 0.0018064 (0.0011960, 0.0025659) | 0.02281 (0.01577, 0.03248) |
| Bangka Belitung | Cirrhosis                                                | 75  | 6.7 (4.1, 10.2)      | 0.0019729 (0.0011987, 0.0029923) | 0.02434 (0.01563, 0.03473) | 6.4 (3.9, 9.5)         | 0.0013967 (0.0008519, 0.0020658) | 0.01762 (0.01117, 0.02586) |
| Bangka Belitung | Chronic respiratory diseases                             | 75  | 25.1 (15.7, 35.7)    | 0.0073679 (0.0046090, 0.0104753) | 0.09086 (0.06106, 0.12344) | 21.5 (13.4, 30.5)      | 0.0046744 (0.0029073, 0.0066152) | 0.05904 (0.03802, 0.08286) |
| Bangka Belitung | Other non-communicable diseases                          | 75  | 27.0 (18.7, 36.9)    | 0.0079166 (0.0054784, 0.0108298) | 0.09756 (0.07347, 0.12256) | 38.9 (29.0, 51.1)      | 0.0084469 (0.0062853, 0.0110921) | 0.10663 (0.08193, 0.13373) |
| Bangka Belitung | Drowning                                                 | 75  | 0.8 (0.2, 1.8)       | 0.000225 (0.0000727, 0.0005278)  | 0.00277 (0.00100, 0.00638) | 0.7 (0.2, 1.7)         | 0.0001526 (0.0000537, 0.0003618) | 0.00193 (0.00069, 0.00453) |
| Bangka Belitung | Falls                                                    | 75  | 4.1 (2.1, 7.0)       | 0.0012171 (0.0006083, 0.0020578) | 0.01501 (0.00788, 0.02427) | 4.0 (2.2, 6.4)         | 0.0008634 (0.0004714, 0.0013926) | 0.01092 (0.00604, 0.01751) |
| Bangka Belitung | Interpersonal violence                                   | 75  | 0.2 (0.1, 0.6)       | 0.0000623 (0.0000168, 0.0001655) | 0.00077 (0.00022, 0.00214) | 0.2 (0.0, 0.5)         | 0.0000352 (0.0000097, 0.0001005) | 0.00044 (0.00012, 0.00126) |
| Bangka Belitung | Self-harm                                                | 75  | 0.4 (0.2, 0.9)       | 0.0001204 (0.0000481, 0.0002583) | 0.00149 (0.00060, 0.00309) | 0.2 (0.1, 0.5)         | 0.0000507 (0.0000183, 0.0001114) | 0.00064 (0.00023, 0.00138) |
| Bangka Belitung | Transport injuries                                       | 75  | 3.3 (1.6, 5.6)       | 0.0009579 (0.0004767, 0.0016504) | 0.01182 (0.00631, 0.01990) | 1.9 (0.9, 3.3)         | 0.0004104 (0.0001961, 0.0007182) | 0.00518 (0.00253, 0.00910) |
| Bangka Belitung | Other unintentional injuries                             | 75  | 2.9 (1.6, 5.2)       | 0.0008655 (0.0004554, 0.0015153) | 0.01068 (0.00585, 0.01813) | 1.8 (0.9, 3.2)         | 0.0003871 (0.0001966, 0.0006986) | 0.00489 (0.00246, 0.00861) |
| Bangka Belitung | Diarrheal diseases                                       | 80  | 23.5 (14.3, 34.4)    | 0.0093302 (0.0056659, 0.0136409) | 0.0612 (0.03810, 0.08781)  | 48.4 (32.5, 67.2)      | 0.0126047 (0.0084714, 0.0174889) | 0.07694 (0.05312, 0.10513) |
| Bangka Belitung | HIV/AIDS                                                 | 80  | 0.1 (0.0, 0.4)       | 0.0000386 (0.0000049, 0.0001428) | 0.00025 (0.00003, 0.00097) | 0.1 (0.0, 0.6)         | 0.0000376 (0.0000048, 0.0001553) | 0.00023 (0.00003, 0.00093) |
| Bangka Belitung | Lower respiratory infections                             | 80  | 9.0 (4.3, 16.3)      | 0.0035714 (0.0017252, 0.0064855) | 0.02342 (0.01131, 0.04178) | 16.4 (8.3, 28.6)       | 0.0042715 (0.0021610, 0.0074597) | 0.02608 (0.01326, 0.04455) |
| Bangka Belitung | Malaria                                                  | 80  | 3.6 (0.8, 9.5)       | 0.0014393 (0.0003128, 0.0037865) | 0.00941 (0.00207, 0.02444) | 3.1 (0.6, 9.4)         | 0.0008057 (0.0001586, 0.0024494) | 0.00492 (0.00098, 0.01497) |
| Bangka Belitung | Tuberculosis                                             | 80  | 15.6 (9.0, 24.8)     | 0.0061811 (0.0035569, 0.0098428) | 0.04054 (0.02375, 0.06336) | 15.5 (8.5, 26.0)       | 0.0040466 (0.0022008, 0.0067645) | 0.02473 (0.01351, 0.04153) |
| Bangka Belitung | Other communicable diseases                              | 80  | 6.7 (3.3, 11.7)      | 0.0026525 (0.0013066, 0.0046427) | 0.01741 (0.00855, 0.03060) | 11.4 (5.6, 20.0)       | 0.0029807 (0.0014550, 0.0052080) | 0.01821 (0.00891, 0.03167) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer                      | 80  | 2.0 (0.6, 4.7)       | 0.0007885 (0.0002349, 0.0018549) | 0.00518 (0.00156, 0.01193) | 1.0 (0.3, 2.5)         | 0.0002565 (0.0000700, 0.0006381) | 0.00157 (0.00044, 0.00396) |
| Bangka Belitung | Breast cancer                                            | 80  | - (0.0, 0.1)         | 0.0000159 (0.0000030, 0.0000489) | 0.0001 (0.00002, 0.00033)  | 1.4 (0.5, 2.8)         | 0.0003531 (0.0001215, 0.0007313) | 0.00215 (0.00076, 0.00450) |
| Bangka Belitung | Cervical cancer                                          | 80  |                      |                                  |                            | 1.3 (0.3, 3.1)         | 0.0003256 (0.0000815, 0.0008152) | 0.00199 (0.00051, 0.00495) |
| Bangka Belitung | Other malignant neoplasms                                | 80  | 4.6 (2.7, 7.3)       | 0.0018073 (0.0010626, 0.0029107) | 0.01186 (0.00705, 0.01892) | 7.0 (3.9, 11.8)        | 0.0018316 (0.0010202, 0.0030817) | 0.01118 (0.00634, 0.01793) |
| Bangka Belitung | Cerebrovascular disease                                  | 80  | 103.1 (81.8, 126.6)  | 0.0408997 (0.0324547, 0.0502290) | 0.26823 (0.22375, 0.31304) | 200.3 (166.5, 239.4)   | 0.0521492 (0.0433528, 0.0623531) | 0.3184 (0.27135, 0.36578)  |
| Bangka Belitung | Ischemic heart disease                                   | 80  | 68.5 (51.0, 87.0)    | 0.0271614 (0.0202463, 0.0345293) | 0.17819 (0.13855, 0.21862) | 98.6 (74.5, 125.4)     | 0.0256728 (0.0194095, 0.0326588) | 0.15678 (0.11893, 0.19825) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 80  | 24.5 (14.4, 38.4)    | 0.009714 (0.0057214, 0.0152149)  | 0.06376 (0.03817, 0.09792) | 43.2 (26.0, 67.3)      | 0.0112487 (0.0067728, 0.0175162) | 0.0687 (0.04125, 0.10620)  |
| Bangka Belitung | Diabetes mellitus                                        | 80  | 14.4 (10.3, 20.1)    | 0.0057165 (0.0040918, 0.0079828) | 0.0375 (0.02755, 0.05057)  | 36.5 (26.3, 49.6)      | 0.0095055 (0.0068447, 0.0129233) | 0.05805 (0.04184, 0.07781) |
| Bangka Belitung | Chronic kidney disease                                   | 80  | 7.3 (5.0, 10.7)      | 0.0029112 (0.0019888, 0.0042525) | 0.01911 (0.01343, 0.02770) | 11.0 (7.2, 16.0)       | 0.0028625 (0.0018868, 0.0041541) | 0.01748 (0.01155, 0.02529) |
| Bangka Belitung | Cirrhosis                                                | 80  | 7.9 (4.9, 11.7)      | 0.0031366 (0.0019428, 0.0046368) | 0.02059 (0.01300, 0.03017) | 9.8 (5.9, 14.7)        | 0.0025451 (0.0015250, 0.0038406) | 0.01553 (0.00945, 0.02290) |
| Bangka Belitung | Chronic respiratory diseases                             | 80  | 35.3 (23.0, 48.0)    | 0.0140033 (0.0091176, 0.0190331) | 0.09187 (0.06128, 0.12238) | 33.6 (20.5, 48.0)      | 0.0087511 (0.0053353, 0.0125032) | 0.05345 (0.03314, 0.07521) |
| Bangka Belitung | Other non-communicable diseases                          | 80  | 41.7 (30.4, 54.4)    | 0.0165286 (0.0120611, 0.0215615) | 0.10838 (0.08230, 0.13616) | 73.2 (55.5, 93.5)      | 0.0190722 (0.0144598, 0.0243546) | 0.11646 (0.08920, 0.14665) |
| Bangka Belitung | Drowning                                                 | 80  | 1.0 (0.3, 2.5)       | 0.0004094 (0.0001207, 0.0010019) | 0.00269 (0.00083, 0.00673) | 1.4 (0.4, 3.8)         | 0.0003714 (0.0001035, 0.0009783) | 0.00227 (0.00062, 0.00604) |
| Bangka Belitung | Falls                                                    | 80  | 7.3 (3.9, 11.9)      | 0.0029085 (0.0015306, 0.0047389) | 0.01908 (0.01035, 0.03086) | 9.7 (5.3, 15.6)        | 0.0025171 (0.0013930, 0.0040601) | 0.01538 (0.00876, 0.02506) |
| Bangka Belitung | Interpersonal violence                                   | 80  | 0.2 (0.0, 0.7)       | 0.0000859 (0.0000144, 0.0002585) | 0.00056 (0.00010, 0.00173) | 0.2 (0.0, 0.7)         | 0.0000472 (0.0000086, 0.0001712) | 0.00029 (0.00005, 0.00101) |
| Bangka Belitung | Self-harm                                                | 80  | 0.5 (0.2, 1.1)       | 0.0001972 (0.0000708, 0.0004269) | 0.00129 (0.00047, 0.00284) | 0.3 (0.1, 0.7)         | 0.0000768 (0.0000252, 0.0001841) | 0.00047 (0.00015, 0.00111) |
| Bangka Belitung | Transport injuries                                       | 80  | 3.8 (1.9, 6.8)       | 0.0014925 (0.0007498, 0.0026839) | 0.0098 (0.00500, 0.01739)  | 2.8 (1.3, 5.4)         | 0.0007331 (0.0003340, 0.0013962) | 0.00448 (0.00198, 0.00851) |
| Bangka Belitung | Other unintentional injuries                             | 80  | 3.7 (1.8, 6.5)       | 0.0014597 (0.0007116, 0.0025827) | 0.00958 (0.00467, 0.01668) | 2.7 (1.2, 5.3)         | 0.0007009 (0.0003159, 0.0013725) | 0.00428 (0.00198, 0.00842) |
| Bangka Belitung | Diarrheal diseases                                       | All | 159.3 (94.4, 246.1)  | 0.0002331 (0.0001381, 0.0003601) | 0.03503 (0.02097, 0.05221) | 204.4 (130.5, 302.3)   | 0.0003233 (0.0002063, 0.0004781) | 0.04992 (0.03298, 0.07118) |
| Bangka Belitung | HIV/AIDS                                                 | All | 18.5 (4.1, 48.3)     | 0.0000271 (0.0000060, 0.0000707) | 0.00406 (0.00095, 0.01030) | 9.5 (2.1, 26.1)        | 0.000015 (0.0000034, 0.0000413)  | 0.00231 (0.00054, 0.00633) |
| Bangka Belitung | Lower respiratory infections                             | All | 150.1 (86.9, 228.0)  | 0.0002196 (0.0001271, 0.0003336) | 0.033 (0.01948, 0.04869)   | 122.3 (69.3, 194.4)    | 0.0001934 (0.0001096, 0.0003076) | 0.02984 (0.01800, 0.04493) |
| Bangka Belitung | Malaria                                                  | All | 54.3 (15.2, 129.6)   | 0.0000794 (0.0000223, 0.0001896) | 0.01191 (0.00330, 0.02758) | 32.9 (8.0, 86.0)       | 0.000052 (0.0000126, 0.0001360)  | 0.00802 (0.00195, 0.02029) |
| Bangka Belitung | Tuberculosis                                             | All | 225.8 (145.7, 340.7) | 0.0003304 (0.0002132, 0.0004986) | 0.04963 (0.03335, 0.07099) | 123.7 (74.4, 192.3)    | 0.0001957 (0.0001177, 0.0003042) | 0.03025 (0.01835, 0.04587) |
| Bangka Belitung | Maternal disorders                                       | All |                      |                                  |                            | 57.8 (40.7, 81.1)      | 0.0000915 (0.0000643, 0.0001282) | 0.01411 (0.01045, 0.01860) |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | All | 120.6 (60.3, 200.5)  | 0.0001765 (0.0000883, 0.0002935) | 0.02641 (0.01340, 0.04250) | 78.3 (38.3, 132.0)     | 0.0001238 (0.0000606, 0.0002087) | 0.01901 (0.00990, 0.03135) |
| Bangka Belitung | Preterm birth complications                              | All | 130.3 (63.9, 211.8)  | 0.0001907 (0.0000936, 0.0003099) | 0.02854 (0.01424, 0.04561) | 115.1 (57.0, 198.2)    | 0.0001821 (0.0000902, 0.0003135) | 0.02796 (0.01447, 0.04659) |
| Bangka Belitung | Other neonatal disorders                                 | All | 41.2 (10.3, 101.3)   | 0.0000603 (0.0000151, 0.0001483) | 0.009 (0.00232, 0.02041)   | 25.8 (6.3, 60.2)       | 0.0000408 (0.0000099, 0.0000952) | 0.00626 (0.00164, 0.01458) |
| Bangka Belitung | Other communicable diseases                              | All | 225.1 (135.2, 322.7) | 0.0003293 (0.0001978, 0.0004722) | 0.04954 (0.03074, 0.07066) | 169.7 (101.0, 255.5)   | 0.0002683 (0.0001598, 0.0004041) | 0.04145 (0.02510, 0.06058) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer                      | All | 34.1 (11.2, 70.9)    | 0.0000499 (0.0000164, 0.0001038) | 0.00751 (0.00252, 0.01574) | 13.0 (4.0, 29.7)       | 0.0000206 (0.0000064, 0.0000470) | 0.00318 (0.00100, 0.00709) |
| Bangka Belitung | Breast cancer                                            | All | 1.3 (0.4, 3.0)       | 0.0000019 (0.0000006, 0.0000044) | 0.00029 (0.00008, 0.00064) | 65.9 (30.2, 109.6)     | 0.0001043 (0.0000478, 0.0001734) | 0.01607 (0.00774, 0.02662) |
| Bangka Belitung | Cervical cancer                                          | All |                      |                                  |                            | 49.7 (17.8, 98.9)      | 0.0000786 (0.0000281, 0.0001564) | 0.01212 (0.00442, 0.02285) |
| Bangka Belitung | Other malignant neoplasms                                | All | 140.6 (84.5, 216.1)  | 0.0002057 (0.0001236, 0.0003162) | 0.0309 (0.01891, 0.04568)  | 110.6 (62.8, 177.8)    | 0.0001749 (0.0000993, 0.0002812) | 0.027 (0.01585, 0.04204)   |
| Bangka Belitung | Cerebrovascular disease                                  | All | 737.5 (559.8, 957.4) | 0.0010792 (0.0008192, 0.0014010) | 0.16215 (0.13021, 0.19528) | 855.3 (679.4, 1,070.8) | 0.0013528 (0.0010746, 0.0016938) | 0.20904 (0.17321, 0.24435) |
| Bangka Belitung | Ischemic heart disease                                   | All | 616.0 (456.2, 801.5) | 0.0009014 (0.0006676, 0.0011729) | 0.13547 (0.10678, 0.16720) | 476.2 (349.4, 621.5)   | 0.0007532 (0.0005526, 0.0009831) | 0.11638 (0.08976, 0.14720) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | All | 180.6 (104.8, 290.4) | 0.0002643 (0.0001534, 0.0004249) | 0.03974 (0.02309, 0.06069) | 211.0 (127.6, 328.0)   | 0.0003338 (0.0002018, 0.0005188) | 0.0516 (0.03116, 0.07829)  |
| Bangka Belitung | Diabetes mellitus                                        | All | 236.3 (169.9, 323.3) | 0.0003457 (0.0002486, 0.0004731) | 0.05194 (0.03947, 0.06941) | 332.4 (242.9, 447.7)   | 0.0005257 (0.0003843, 0.0007081) | 0.08123 (0.06226, 0.10640) |
| Bangka Belitung | Chronic kidney disease                                   | All | 126.9 (87.2, 183.4)  | 0.0001857 (0.0001276, 0.0002684) | 0.0279 (0.02009, 0.03888)  | 115.5 (78.1, 161.0)    | 0.0001827 (0.0001236, 0.0002547) | 0.02823 (0.01981, 0.03930) |
| Bangka Belitung | Cirrhosis                                                | All | 158.1 (102.1, 232.2) | 0.0002314 (0.0001494, 0.0003397) | 0.03478 (0.02235, 0.04920) | 96.0 (59.0, 143.1)     | 0.0001519 (0.0000933, 0.0002263) | 0.02344 (0.01500, 0.03380) |
| Bangka Belitung | Chronic respiratory diseases                             | All | 227.6 (136.5, 329.0) | 0.000333 (0.0001998, 0.0004814)  | 0.05005 (0.03227, 0.07001) | 152.7 (92.3, 220.8)    | 0.0002416 (0.0001459, 0.0003492) | 0.03735 (0.02334, 0.05394) |
| Bangka Belitung | Other non-communicable diseases                          | All | 427.0 (316.6, 554.5) | 0.0006248 (0.0004632, 0.0008114) | 0.09386 (0.07590, 0.11498) | 452.0 (346.8, 577.7)   | 0.0007149 (0.0005486, 0.0009138) | 0.11041 (0.08983, 0.13299) |
| Bangka Belitung | Drowning                                                 | All | 49.0 (24.0, 86.8)    | 0.0000716 (0.0000351, 0.0001270) | 0.01078 (0.00552, 0.01854) | 18.0 (7.9, 33.4)       | 0.0000285 (0.0000125, 0.0000528) | 0.0044 (0.00201, 0.00826)  |
| Bangka Belitung | Falls                                                    | All | 61.2 (32.5, 105.3)   | 0.0000896 (0.0000476, 0.0001541) | 0.01347 (0.00718, 0.02183) | 39.9 (21.3, 64.3)      | 0.0000631 (0.0000337, 0.0001018) | 0.00975 (0.00531, 0.01570) |



Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                |                                  |                            | Females            |                                  |                            |
|-----------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Bangka Belitung | Interpersonal violence                                   | All | 26.8 (14.4, 44.3)    | 0.0000392 (0.0000210, 0.0000649) | 0.00589 (0.00333, 0.00977) | 16.7 (8.5, 29.6)   | 0.0000264 (0.0000134, 0.0000468) | 0.00408 (0.00208, 0.00712) |
| Bangka Belitung | Self-harm                                                | All | 17.5 (8.4, 31.8)     | 0.0000256 (0.0000123, 0.0000465) | 0.00386 (0.00181, 0.00682) | 8.9 (4.0, 16.7)    | 0.000014 (0.0000064, 0.0000263)  | 0.00216 (0.00102, 0.00395) |
| Bangka Belitung | Transport injuries                                       | All | 247.6 (168.9, 344.6) | 0.0003623 (0.0002472, 0.0005043) | 0.05446 (0.03887, 0.07312) | 86.2 (54.6, 129.3) | 0.0001364 (0.0000863, 0.0002045) | 0.02107 (0.01327, 0.03022) |
| Bangka Belitung | Other unintentional injuries                             | All | 135.6 (86.2, 201.3)  | 0.0001984 (0.0001261, 0.0002945) | 0.02983 (0.01926, 0.04333) | 54.6 (32.5, 85.8)  | 0.0000864 (0.0000514, 0.0001357) | 0.01335 (0.00811, 0.02029) |
| Kepulauan Riau  | Diarrheal diseases                                       | NN  | 3.1 (1.0, 7.0)       | 0.0016409 (0.0005166, 0.0037343) | 0.01083 (0.00473, 0.02033) | 3.1 (1.0, 6.8)     | 0.001805 (0.0005703, 0.0039375)  | 0.01262 (0.00595, 0.02315) |
| Kepulauan Riau  | Lower respiratory infections                             | NN  | 26.9 (11.6, 48.5)    | 0.0143361 (0.0061727, 0.0258694) | 0.09398 (0.06520, 0.13090) | 18.9 (8.5, 35.5)   | 0.0108642 (0.0048852, 0.0204205) | 0.07542 (0.05209, 0.10681) |
| Kepulauan Riau  | Malaria                                                  | NN  | 0.3 (0.0, 1.5)       | 0.000135 (0.0000026, 0.0007856)  | 0.00087 (0.00002, 0.00524) | 0.2 (0.0, 1.0)     | 0.000105 (0.0000023, 0.0006030)  | 0.00072 (0.00002, 0.00456) |
| Kepulauan Riau  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 72.6 (33.9, 121.0)   | 0.0387769 (0.0181155, 0.0645785) | 0.25412 (0.19025, 0.31823) | 56.7 (27.2, 97.2)  | 0.0326036 (0.0156556, 0.0559023) | 0.22755 (0.17186, 0.28929) |
| Kepulauan Riau  | Preterm birth complications                              | NN  | 90.3 (42.4, 150.5)   | 0.0482102 (0.0226226, 0.0803671) | 0.31631 (0.23555, 0.39576) | 92.3 (46.2, 157.5) | 0.0530383 (0.0265617, 0.0905673) | 0.37027 (0.28610, 0.44516) |
| Kepulauan Riau  | Other neonatal disorders                                 | NN  | 30.6 (9.0, 68.4)     | 0.0163095 (0.0047875, 0.0365040) | 0.10767 (0.03778, 0.20245) | 23.1 (5.7, 54.2)   | 0.0132783 (0.0032774, 0.0311316) | 0.09247 (0.03189, 0.18096) |
| Kepulauan Riau  | Other communicable diseases                              | NN  | 4.7 (1.6, 9.6)       | 0.0024826 (0.0008478, 0.0051271) | 0.01634 (0.00787, 0.02836) | 3.4 (1.1, 7.6)     | 0.0019468 (0.0006336, 0.0043445) | 0.01363 (0.00612, 0.02472) |
| Kepulauan Riau  | Other malignant neoplasms                                | NN  | 1.8 (0.6, 4.1)       | 0.0009723 (0.0002992, 0.0021721) | 0.00636 (0.00277, 0.01180) | 1.6 (0.6, 3.6)     | 0.0009468 (0.0003191, 0.0020812) | 0.00661 (0.00301, 0.01224) |
| Kepulauan Riau  | Cerebrovascular disease                                  | NN  | 0.8 (0.2, 2.3)       | 0.0004529 (0.0001130, 0.0012454) | 0.00297 (0.00089, 0.00693) | 1.0 (0.2, 2.7)     | 0.0005614 (0.0001333, 0.0015285) | 0.00396 (0.00121, 0.00884) |
| Kepulauan Riau  | Other cardiovascular and circulatory diseases            | NN  | 0.6 (0.1, 1.9)       | 0.0003271 (0.0000671, 0.0010174) | 0.00215 (0.00058, 0.00561) | 0.7 (0.2, 2.2)     | 0.0003955 (0.0000889, 0.0012564) | 0.00277 (0.00074, 0.00714) |
| Kepulauan Riau  | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.5)       | 0.0001076 (0.0000005, 0.0008233) | 0.0007 (0.00000, 0.00551)  | 0.2 (0.0, 1.8)     | 0.0001296 (0.0000006, 0.0010255) | 0.0009 (0.00000, 0.00698)  |
| Kepulauan Riau  | Other non-communicable diseases                          | NN  | 41.8 (20.7, 68.6)    | 0.0223388 (0.0110733, 0.0366000) | 0.14653 (0.11796, 0.17895) | 43.9 (21.9, 75.4)  | 0.0252637 (0.0125635, 0.0433695) | 0.17591 (0.14558, 0.21030) |
| Kepulauan Riau  | Drowning                                                 | NN  | 2.4 (0.4, 7.6)       | 0.0012891 (0.0001997, 0.0040612) | 0.0085 (0.00162, 0.02354)  | 0.8 (0.1, 2.5)     | 0.0004446 (0.0000547, 0.0014617) | 0.00309 (0.00050, 0.00917) |
| Kepulauan Riau  | Falls                                                    | NN  | 2.4 (0.6, 6.1)       | 0.0012594 (0.0003266, 0.0032319) | 0.00825 (0.00274, 0.01821) | 1.0 (0.2, 2.6)     | 0.0005716 (0.0001421, 0.0015176) | 0.00396 (0.00127, 0.00907) |
| Kepulauan Riau  | Interpersonal violence                                   | NN  | 0.3 (0.1, 1.0)       | 0.0001732 (0.0000361, 0.0005088) | 0.00113 (0.00033, 0.00301) | 0.2 (0.0, 0.7)     | 0.0001245 (0.0000223, 0.0003956) | 0.00086 (0.00023, 0.00215) |
| Kepulauan Riau  | Transport injuries                                       | NN  | 3.4 (0.9, 7.8)       | 0.0017937 (0.0004828, 0.0041822) | 0.01182 (0.00407, 0.02476) | 1.0 (0.3, 2.6)     | 0.0005961 (0.0001493, 0.0014731) | 0.00414 (0.00136, 0.00927) |
| Kepulauan Riau  | Other unintentional injuries                             | NN  | 3.3 (0.9, 7.8)       | 0.0017466 (0.0004871, 0.0041780) | 0.01146 (0.00450, 0.02394) | 1.3 (0.4, 3.3)     | 0.0007383 (0.0002077, 0.0019118) | 0.00512 (0.00195, 0.01091) |
| Kepulauan Riau  | Diarrheal diseases                                       | PNN | 46.7 (17.5, 97.1)    | 0.0019992 (0.0007505, 0.0041521) | 0.20008 (0.10455, 0.32892) | 43.1 (16.0, 85.3)  | 0.0019872 (0.0007365, 0.0039268) | 0.24959 (0.13751, 0.38518) |
| Kepulauan Riau  | HIV/AIDS                                                 | PNN | 8.3 (1.8, 22.4)      | 0.0003571 (0.0000768, 0.0009570) | 0.03565 (0.00936, 0.08255) | 5.1 (1.1, 13.8)    | 0.0002362 (0.0000519, 0.0006340) | 0.02953 (0.00765, 0.07081) |
| Kepulauan Riau  | Lower respiratory infections                             | PNN | 27.6 (11.3, 51.2)    | 0.0011812 (0.0004835, 0.0021918) | 0.11778 (0.06966, 0.16984) | 17.1 (6.8, 33.9)   | 0.0007857 (0.0003112, 0.0015607) | 0.09854 (0.05755, 0.14694) |
| Kepulauan Riau  | Malaria                                                  | PNN | 3.7 (0.1, 21.0)      | 0.0001593 (0.0000033, 0.0008989) | 0.01564 (0.00042, 0.08747) | 2.4 (0.1, 13.9)    | 0.0001087 (0.0000026, 0.0006416) | 0.01371 (0.00039, 0.07846) |
| Kepulauan Riau  | Tuberculosis                                             | PNN | 4.2 (1.3, 10.0)      | 0.0001783 (0.0000570, 0.0004274) | 0.01764 (0.00742, 0.03751) | 2.6 (0.8, 6.2)     | 0.0001198 (0.0000347, 0.0002877) | 0.01496 (0.00606, 0.03109) |
| Kepulauan Riau  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 2.7 (0.8, 6.5)       | 0.000114 (0.0000336, 0.0002766)  | 0.01147 (0.00413, 0.02565) | 1.7 (0.5, 4.3)     | 0.0000802 (0.0000211, 0.0001980) | 0.01015 (0.00352, 0.02221) |
| Kepulauan Riau  | Preterm birth complications                              | PNN | 10.2 (3.6, 21.6)     | 0.0004342 (0.0001523, 0.0009230) | 0.04345 (0.01989, 0.08748) | 9.9 (3.5, 21.7)    | 0.000457 (0.0001627, 0.0009980)  | 0.05764 (0.02737, 0.10707) |
| Kepulauan Riau  | Other neonatal disorders                                 | PNN | 4.5 (0.7, 13.8)      | 0.0001926 (0.0000313, 0.0005905) | 0.0191 (0.00390, 0.05337)  | 2.9 (0.4, 9.3)     | 0.0001352 (0.0000199, 0.0004275) | 0.01669 (0.00343, 0.04571) |
| Kepulauan Riau  | Other communicable diseases                              | PNN | 77.9 (33.2, 141.8)   | 0.0033317 (0.0014190, 0.0060638) | 0.33334 (0.20441, 0.45304) | 51.4 (22.0, 98.3)  | 0.0023662 (0.0010139, 0.0045270) | 0.29783 (0.17019, 0.42558) |
| Kepulauan Riau  | Other malignant neoplasms                                | PNN | 1.4 (0.5, 3.1)       | 0.0000599 (0.0000206, 0.0001327) | 0.00598 (0.00262, 0.01105) | 1.1 (0.4, 2.5)     | 0.0000502 (0.0000166, 0.0001158) | 0.00631 (0.00287, 0.01183) |
| Kepulauan Riau  | Cerebrovascular disease                                  | PNN | 0.7 (0.2, 1.7)       | 0.0000076 (0.0000070, 0.0000739) | 0.00279 (0.00085, 0.00641) | 0.6 (0.2, 1.7)     | 0.0000299 (0.0000073, 0.0000775) | 0.00378 (0.00114, 0.00833) |
| Kepulauan Riau  | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.5)       | 0.0000146 (0.0000011, 0.0000648) | 0.00146 (0.00012, 0.00617) | 0.3 (0.0, 1.4)     | 0.0000139 (0.0000010, 0.0000658) | 0.00178 (0.00014, 0.00800) |
| Kepulauan Riau  | Other cardiovascular and circulatory diseases            | PNN | 0.5 (0.1, 1.4)       | 0.0000203 (0.0000043, 0.0000588) | 0.00201 (0.00054, 0.00513) | 0.5 (0.1, 1.4)     | 0.000021 (0.0000046, 0.0000626)  | 0.00263 (0.00070, 0.00691) |
| Kepulauan Riau  | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.1)       | 0.0000067 (0.0000000, 0.0000488) | 0.00066 (0.00000, 0.00515) | 0.1 (0.0, 1.0)     | 0.0000069 (0.0000000, 0.0000483) | 0.00086 (0.00000, 0.00681) |
| Kepulauan Riau  | Chronic kidney disease                                   | PNN | 2.4 (0.8, 5.6)       | 0.0001041 (0.0000345, 0.0002404) | 0.01037 (0.00488, 0.01987) | 1.8 (0.6, 4.2)     | 0.0000835 (0.0000272, 0.0001925) | 0.01045 (0.00486, 0.02017) |
| Kepulauan Riau  | Other non-communicable diseases                          | PNN | 31.9 (14.9, 53.6)    | 0.0013656 (0.0006385, 0.0022907) | 0.13644 (0.10763, 0.16603) | 28.7 (13.5, 49.5)  | 0.0013228 (0.0006230, 0.0022820) | 0.16619 (0.13586, 0.19828) |
| Kepulauan Riau  | Drowning                                                 | PNN | 2.3 (0.4, 7.2)       | 0.0000979 (0.0000158, 0.0003077) | 0.0098 (0.00190, 0.02647)  | 0.6 (0.1, 2.1)     | 0.000029 (0.0000040, 0.0000953)  | 0.0036 (0.00059, 0.01043)  |
| Kepulauan Riau  | Falls                                                    | PNN | 2.1 (0.6, 5.3)       | 0.000092 (0.0000270, 0.0002284)  | 0.00915 (0.00315, 0.02003) | 0.8 (0.2, 1.8)     | 0.0000353 (0.0000093, 0.0000844) | 0.00443 (0.00150, 0.00998) |
| Kepulauan Riau  | Interpersonal violence                                   | PNN | 0.3 (0.1, 0.8)       | 0.0000123 (0.0000027, 0.0000345) | 0.00123 (0.00035, 0.00321) | 0.2 (0.0, 0.4)     | 0.0000075 (0.0000015, 0.0000203) | 0.00095 (0.00026, 0.00231) |
| Kepulauan Riau  | Transport injuries                                       | PNN | 3.1 (0.9, 7.4)       | 0.0001347 (0.0000380, 0.0003182) | 0.01347 (0.00481, 0.02812) | 0.8 (0.2, 2.0)     | 0.0000379 (0.0000095, 0.0000912) | 0.00476 (0.00163, 0.01045) |
| Kepulauan Riau  | Other unintentional injuries                             | PNN | 2.9 (0.9, 6.9)       | 0.0001253 (0.0000392, 0.0002951) | 0.01249 (0.00499, 0.02583) | 1.0 (0.3, 2.3)     | 0.0000448 (0.0000125, 0.0001077) | 0.00563 (0.00219, 0.01169) |
| Kepulauan Riau  | Diarrheal diseases                                       | 1   | 9.7 (2.7, 24.3)      | 0.0001098 (0.0000310, 0.0002742) | 0.10611 (0.04912, 0.20014) | 10.3 (3.2, 22.8)   | 0.0001208 (0.0000376, 0.0002667) | 0.14504 (0.07134, 0.25863) |
| Kepulauan Riau  | HIV/AIDS                                                 | 1   | 4.3 (0.8, 11.8)      | 0.0000489 (0.0000093, 0.0001331) | 0.04664 (0.01258, 0.10744) | 3.1 (0.6, 8.8)     | 0.0000361 (0.0000073, 0.0001024) | 0.04283 (0.01141, 0.09739) |
| Kepulauan Riau  | Lower respiratory infections                             | 1   | 14.0 (4.9, 30.7)     | 0.0001576 (0.0000550, 0.0003463) | 0.15008 (0.09082, 0.21589) | 10.0 (3.8, 21.9)   | 0.0001164 (0.0000447, 0.0002557) | 0.13931 (0.08055, 0.20531) |
| Kepulauan Riau  | Malaria                                                  | 1   | 0.7 (0.0, 3.7)       | 0.0000074 (0.0000001, 0.0000423) | 0.00687 (0.00017, 0.03944) | 0.5 (0.0, 2.7)     | 0.0000055 (0.0000001, 0.0000321) | 0.0066 (0.00019, 0.03827)  |
| Kepulauan Riau  | Tuberculosis                                             | 1   | 2.2 (0.7, 5.6)       | 0.0000252 (0.0000075, 0.0000630) | 0.02427 (0.01063, 0.05197) | 1.6 (0.5, 3.8)     | 0.0000188 (0.0000058, 0.0000444) | 0.02283 (0.00999, 0.04740) |
| Kepulauan Riau  | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.7 (0.2, 1.9)       | 0.0000075 (0.0000018, 0.0000209) | 0.00721 (0.00257, 0.01625) | 0.5 (0.1, 1.4)     | 0.0000056 (0.0000014, 0.0000161) | 0.00673 (0.00232, 0.01486) |
| Kepulauan Riau  | Preterm birth complications                              | 1   | 0.5 (0.1, 1.7)       | 0.0000055 (0.0000008, 0.0000190) | 0.00538 (0.00109, 0.01609) | 0.5 (0.1, 1.9)     | 0.0000062 (0.0000010, 0.0000217) | 0.00755 (0.00156, 0.02199) |
| Kepulauan Riau  | Other neonatal disorders                                 | 1   | 0.2 (0.0, 1.1)       | 0.0000018 (0.0000000, 0.0000128) | 0.00179 (0.00001, 0.01492) | 0.1 (0.0, 0.8)     | 0.0000013 (0.0000000, 0.0000095) | 0.00162 (0.00001, 0.01385) |
| Kepulauan Riau  | Other communicable diseases                              | 1   | 33.8 (12.3, 70.9)    | 0.0003814 (0.0001385, 0.0008010) | 0.36366 (0.26828, 0.45040) | 25.9 (10.4, 52.3)  | 0.0003026 (0.0001215, 0.0006114) | 0.36208 (0.25223, 0.45736) |
| Kepulauan Riau  | Other malignant neoplasms                                | 1   | 0.5 (0.1, 1.3)       | 0.0000056 (0.0000016, 0.0000147) | 0.0054 (0.00228, 0.01012)  | 0.5 (0.1, 1.1)     | 0.0000054 (0.0000016, 0.0000132) | 0.00644 (0.00295, 0.01215) |
| Kepulauan Riau  | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.7)       | 0.0000029 (0.0000006, 0.0000080) | 0.00274 (0.00083, 0.00656) | 0.3 (0.1, 0.8)     | 0.0000035 (0.0000008, 0.0000094) | 0.0042 (0.00132, 0.00947)  |
| Kepulauan Riau  | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.6)       | 0.0000015 (0.0000001, 0.0000072) | 0.00146 (0.00012, 0.00638) | 0.1 (0.0, 0.7)     | 0.0000017 (0.0000001, 0.0000083) | 0.00201 (0.00016, 0.00911) |
| Kepulauan Riau  | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.5)       | 0.0000002 (0.0000003, 0.0000062) | 0.00186 (0.00047, 0.00496) | 0.2 (0.0, 0.6)     | 0.0000023 (0.0000004, 0.0000072) | 0.00274 (0.00072, 0.00727) |
| Kepulauan Riau  | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.4)       | 0.0000006 (0.0000000, 0.0000048) | 0.0006 (0.00000, 0.00482)  | 0.1 (0.0, 0.5)     | 0.0000007 (0.0000000, 0.0000058) | 0.00088 (0.00000, 0.00703) |
| Kepulauan Riau  | Chronic kidney disease                                   | 1   | 0.8 (0.3, 2.2)       | 0.0000094 (0.0000029, 0.0000246) | 0.00905 (0.00419, 0.01789) | 0.7 (0.2, 1.8)     | 0.0000086 (0.0000026, 0.0000208) | 0.0103 (0.00468, 0.02013)  |
| Kepulauan Riau  | Cirrhosis                                                | 1   | 0.9 (0.2, 2.3)       | 0.0000098 (0.0000026, 0.0000258) | 0.00945 (0.00342, 0.02001) | 0.5 (0.1, 1.2)     | 0.0000053 (0.0000014, 0.0000135) | 0.00639 (0.00217, 0.01341) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Chronic respiratory diseases                  | 1   | 1.1 (0.3, 3.2)    | 0.000013 (0.0000031, 0.0000361)  | 0.01238 (0.00443, 0.02707) | 0.4 (0.1, 1.2)   | 0.000052 (0.0000012, 0.0000140)  | 0.00624 (0.00207, 0.01431) |
| Kepulauan Riau | Other non-communicable diseases               | 1   | 11.4 (4.5, 23.7)  | 0.0001288 (0.0000506, 0.0002682) | 0.12314 (0.09134, 0.15567) | 12.1 (5.0, 23.6) | 0.0001416 (0.0000583, 0.0002755) | 0.1696 (0.13438, 0.20909)  |
| Kepulauan Riau | Drowning                                      | 1   | 3.0 (0.5, 8.8)    | 0.0000339 (0.0000060, 0.0000993) | 0.0327 (0.00721, 0.08286)  | 1.0 (0.1, 2.8)   | 0.0000113 (0.0000016, 0.0000329) | 0.01364 (0.00259, 0.03591) |
| Kepulauan Riau | Falls                                         | 1   | 2.0 (0.5, 5.3)    | 0.0000227 (0.0000058, 0.0000604) | 0.02152 (0.00739, 0.04265) | 0.9 (0.2, 2.3)   | 0.0000099 (0.0000023, 0.0000272) | 0.01183 (0.00385, 0.02448) |
| Kepulauan Riau | Interpersonal violence                        | 1   | 0.2 (0.0, 0.7)    | 0.0000025 (0.0000005, 0.0000074) | 0.00236 (0.00066, 0.00568) | 0.1 (0.0, 0.4)   | 0.0000017 (0.0000004, 0.0000050) | 0.00206 (0.00057, 0.00499) |
| Kepulauan Riau | Transport injuries                            | 1   | 3.7 (0.9, 9.2)    | 0.0000423 (0.0000105, 0.0001039) | 0.04021 (0.01524, 0.07490) | 1.2 (0.3, 2.9)   | 0.0000136 (0.0000034, 0.0000344) | 0.01622 (0.00575, 0.03241) |
| Kepulauan Riau | Other unintentional injuries                  | 1   | 2.3 (0.7, 5.8)    | 0.0000263 (0.0000074, 0.0000654) | 0.02512 (0.01069, 0.04818) | 0.9 (0.3, 2.4)   | 0.0000108 (0.0000029, 0.0000280) | 0.01285 (0.00519, 0.02621) |
| Kepulauan Riau | Diarrheal diseases                            | 5   | 5.0 (2.1, 9.5)    | 0.0000547 (0.0000235, 0.0001041) | 0.0745 (0.03209, 0.14194)  | 5.1 (2.3, 9.2)   | 0.000059 (0.0000265, 0.0001057)  | 0.10855 (0.04913, 0.19338) |
| Kepulauan Riau | HIV/AIDS                                      | 5   | 1.5 (0.3, 4.0)    | 0.0000168 (0.0000034, 0.0000444) | 0.02287 (0.00467, 0.05979) | 1.0 (0.2, 2.7)   | 0.000012 (0.0000024, 0.0000308)  | 0.02213 (0.00454, 0.05661) |
| Kepulauan Riau | Lower respiratory infections                  | 5   | 4.7 (2.5, 7.2)    | 0.0000512 (0.0000274, 0.0000792) | 0.06977 (0.03765, 0.10890) | 3.3 (1.7, 5.2)   | 0.0000373 (0.0000199, 0.0000591) | 0.06863 (0.03682, 0.10659) |
| Kepulauan Riau | Malaria                                       | 5   | 0.3 (0.0, 1.9)    | 0.0000036 (0.0000001, 0.0000209) | 0.00486 (0.00012, 0.03065) | 0.2 (0.0, 1.4)   | 0.0000027 (0.0000001, 0.0000165) | 0.00497 (0.00012, 0.03150) |
| Kepulauan Riau | Tuberculosis                                  | 5   | 1.1 (0.5, 2.3)    | 0.0000119 (0.0000050, 0.0000255) | 0.01625 (0.00701, 0.03589) | 0.8 (0.3, 1.6)   | 0.0000088 (0.0000037, 0.0000182) | 0.01618 (0.00693, 0.03344) |
| Kepulauan Riau | Other communicable diseases                   | 5   | 16.8 (11.7, 22.5) | 0.0001849 (0.0001285, 0.0002468) | 0.25193 (0.17842, 0.32345) | 12.7 (8.5, 16.8) | 0.0001452 (0.0000977, 0.0001925) | 0.26708 (0.18246, 0.34752) |
| Kepulauan Riau | Other malignant neoplasms                     | 5   | 2.3 (1.1, 4.0)    | 0.0000252 (0.0000122, 0.0000441) | 0.0343 (0.01611, 0.06046)  | 2.1 (1.1, 3.7)   | 0.0000246 (0.0000129, 0.0000421) | 0.0453 (0.02374, 0.07586)  |
| Kepulauan Riau | Cerebrovascular disease                       | 5   | 0.8 (0.3, 1.4)    | 0.0000083 (0.0000036, 0.0000157) | 0.01137 (0.00496, 0.02176) | 0.9 (0.4, 1.6)   | 0.0000104 (0.0000047, 0.0000186) | 0.0191 (0.00899, 0.03393)  |
| Kepulauan Riau | Ischemic heart disease                        | 5   | 0.5 (0.2, 1.1)    | 0.0000052 (0.0000018, 0.0000119) | 0.00709 (0.00253, 0.01580) | 0.5 (0.2, 1.1)   | 0.0000057 (0.0000022, 0.0000125) | 0.01054 (0.00397, 0.02235) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 5   | 0.6 (0.2, 1.3)    | 0.0000064 (0.0000023, 0.0000144) | 0.00867 (0.00311, 0.01949) | 0.7 (0.3, 1.4)   | 0.0000075 (0.0000030, 0.0000162) | 0.01387 (0.00554, 0.02956) |
| Kepulauan Riau | Diabetes mellitus                             | 5   | 0.5 (0.2, 1.2)    | 0.0000055 (0.0000019, 0.0000132) | 0.00743 (0.00253, 0.01761) | 0.6 (0.2, 1.3)   | 0.0000065 (0.0000023, 0.0000150) | 0.01194 (0.00428, 0.02721) |
| Kepulauan Riau | Chronic kidney disease                        | 5   | 1.3 (0.6, 2.5)    | 0.0000145 (0.0000064, 0.0000269) | 0.01979 (0.00913, 0.03683) | 1.2 (0.5, 2.1)   | 0.0000136 (0.0000061, 0.0000245) | 0.02499 (0.01147, 0.04594) |
| Kepulauan Riau | Cirrhosis                                     | 5   | 1.8 (0.8, 3.2)    | 0.0000194 (0.0000093, 0.0000348) | 0.02642 (0.01254, 0.04885) | 0.9 (0.4, 1.8)   | 0.0000108 (0.0000051, 0.0000204) | 0.01992 (0.00935, 0.03823) |
| Kepulauan Riau | Chronic respiratory diseases                  | 5   | 0.7 (0.2, 1.4)    | 0.0000075 (0.0000026, 0.0000158) | 0.01026 (0.00357, 0.02159) | 0.3 (0.1, 0.6)   | 0.0000031 (0.0000011, 0.0000065) | 0.00564 (0.00201, 0.01179) |
| Kepulauan Riau | Other non-communicable diseases               | 5   | 7.4 (5.2, 10.2)   | 0.0000815 (0.0000568, 0.0001121) | 0.11102 (0.07972, 0.14865) | 8.0 (5.7, 10.6)  | 0.0000919 (0.0000658, 0.0001220) | 0.16907 (0.12471, 0.21919) |
| Kepulauan Riau | Drowning                                      | 5   | 7.8 (2.6, 15.2)   | 0.0000857 (0.0000281, 0.0001674) | 0.11688 (0.03851, 0.23077) | 3.2 (0.9, 6.8)   | 0.0000363 (0.0000101, 0.0000775) | 0.06682 (0.01849, 0.14124) |
| Kepulauan Riau | Falls                                         | 5   | 2.7 (0.9, 5.4)    | 0.0000292 (0.0000104, 0.0000589) | 0.03975 (0.01426, 0.08132) | 1.4 (0.5, 2.8)   | 0.0000155 (0.0000053, 0.0000317) | 0.02862 (0.00974, 0.05988) |
| Kepulauan Riau | Interpersonal violence                        | 5   | 0.1 (0.0, 0.4)    | 0.0000015 (0.0000004, 0.0000039) | 0.00198 (0.00052, 0.00522) | 0.1 (0.0, 0.3)   | 0.0000012 (0.0000003, 0.0000032) | 0.00226 (0.00060, 0.00572) |
| Kepulauan Riau | Transport injuries                            | 5   | 9.4 (4.1, 15.8)   | 0.0001033 (0.0000448, 0.0001734) | 0.14063 (0.06219, 0.23222) | 3.7 (1.5, 6.8)   | 0.0000425 (0.0000171, 0.0000777) | 0.07812 (0.03052, 0.14123) |
| Kepulauan Riau | Other unintentional injuries                  | 5   | 1.6 (0.7, 3.1)    | 0.0000178 (0.0000076, 0.0000337) | 0.02424 (0.01040, 0.04542) | 0.8 (0.3, 1.6)   | 0.0000088 (0.0000034, 0.0000182) | 0.01626 (0.00635, 0.03226) |
| Kepulauan Riau | Diarrheal diseases                            | 10  | 1.8 (0.7, 3.8)    | 0.0000261 (0.0000104, 0.0000565) | 0.03646 (0.01452, 0.07728) | 1.9 (0.8, 3.8)   | 0.0000305 (0.0000126, 0.0000608) | 0.05315 (0.02147, 0.10547) |
| Kepulauan Riau | HIV/AIDS                                      | 10  | 1.2 (0.3, 2.9)    | 0.0000173 (0.0000044, 0.0000432) | 0.02408 (0.00603, 0.05835) | 0.9 (0.2, 2.0)   | 0.0000137 (0.0000035, 0.0000323) | 0.02396 (0.00611, 0.05756) |
| Kepulauan Riau | Lower respiratory infections                  | 10  | 2.2 (1.1, 3.9)    | 0.000033 (0.0000159, 0.0000568)  | 0.04614 (0.02263, 0.07925) | 1.6 (0.7, 2.7)   | 0.0000256 (0.0000117, 0.0000439) | 0.04464 (0.02082, 0.07584) |
| Kepulauan Riau | Malaria                                       | 10  | 0.5 (0.0, 2.5)    | 0.0000068 (0.0000002, 0.0000375) | 0.00954 (0.00031, 0.05220) | 0.4 (0.0, 2.1)   | 0.0000059 (0.0000002, 0.0000336) | 0.01032 (0.00036, 0.05745) |
| Kepulauan Riau | Tuberculosis                                  | 10  | 1.9 (0.9, 3.3)    | 0.0000273 (0.0000127, 0.0000488) | 0.03822 (0.01795, 0.06798) | 1.4 (0.7, 2.5)   | 0.0000232 (0.0000108, 0.0000405) | 0.04039 (0.01954, 0.06972) |
| Kepulauan Riau | Maternal disorders                            | 10  |                   |                                  |                            | 0.2 (0.0, 0.7)   | 0.0000039 (0.0000007, 0.0000107) | 0.00686 (0.00114, 0.01860) |
| Kepulauan Riau | Other communicable diseases                   | 10  | 9.2 (6.0, 12.4)   | 0.0001351 (0.0000887, 0.0001828) | 0.18875 (0.12575, 0.25148) | 6.9 (4.3, 9.5)   | 0.0001107 (0.0000695, 0.0001530) | 0.19305 (0.12285, 0.26003) |
| Kepulauan Riau | Other malignant neoplasms                     | 10  | 2.5 (1.3, 3.8)    | 0.0000362 (0.0000191, 0.0000563) | 0.05067 (0.02694, 0.07874) | 2.5 (1.5, 3.9)   | 0.0000409 (0.0000238, 0.0000623) | 0.07132 (0.04169, 0.10723) |
| Kepulauan Riau | Cerebrovascular disease                       | 10  | 0.9 (0.5, 1.5)    | 0.0000133 (0.0000071, 0.0000219) | 0.01854 (0.01010, 0.03047) | 1.1 (0.6, 1.8)   | 0.0000176 (0.0000101, 0.0000283) | 0.03078 (0.01800, 0.04894) |
| Kepulauan Riau | Ischemic heart disease                        | 10  | 0.8 (0.4, 1.5)    | 0.0000123 (0.0000060, 0.0000216) | 0.01721 (0.00859, 0.03002) | 0.9 (0.5, 1.6)   | 0.0000147 (0.0000076, 0.0000255) | 0.02565 (0.01346, 0.04327) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 10  | 0.6 (0.3, 1.3)    | 0.0000092 (0.0000040, 0.0000184) | 0.0129 (0.00559, 0.02557)  | 0.8 (0.4, 1.4)   | 0.0000121 (0.0000057, 0.0000230) | 0.02118 (0.00997, 0.03951) |
| Kepulauan Riau | Diabetes mellitus                             | 10  | 0.5 (0.3, 1.0)    | 0.0000077 (0.0000037, 0.0000144) | 0.01075 (0.00516, 0.02010) | 0.6 (0.3, 1.2)   | 0.0000103 (0.0000052, 0.0000188) | 0.01794 (0.00886, 0.03274) |
| Kepulauan Riau | Chronic kidney disease                        | 10  | 1.4 (0.8, 2.3)    | 0.0000203 (0.0000113, 0.0000334) | 0.02383 (0.01573, 0.04690) | 1.3 (0.7, 2.2)   | 0.0000215 (0.0000116, 0.0000347) | 0.03747 (0.02097, 0.05945) |
| Kepulauan Riau | Cirrhosis                                     | 10  | 1.5 (0.8, 2.5)    | 0.0000223 (0.0000118, 0.0000373) | 0.03119 (0.01664, 0.05148) | 0.8 (0.4, 1.4)   | 0.0000134 (0.0000071, 0.0000221) | 0.0234 (0.01249, 0.03897)  |
| Kepulauan Riau | Chronic respiratory diseases                  | 10  | 1.0 (0.4, 1.8)    | 0.0000143 (0.0000064, 0.0000258) | 0.01994 (0.00897, 0.03619) | 0.4 (0.2, 0.8)   | 0.000007 (0.0000031, 0.0000134)  | 0.01212 (0.00544, 0.02303) |
| Kepulauan Riau | Other non-communicable diseases               | 10  | 6.3 (4.6, 8.6)    | 0.0000925 (0.0000676, 0.0001258) | 0.12922 (0.09600, 0.17132) | 7.0 (5.2, 9.0)   | 0.0001129 (0.0000841, 0.0001449) | 0.19684 (0.15102, 0.24815) |
| Kepulauan Riau | Drowning                                      | 10  | 3.1 (0.8, 7.9)    | 0.0000456 (0.0000113, 0.0001163) | 0.06379 (0.01553, 0.16137) | 1.1 (0.2, 3.1)   | 0.0000179 (0.0000036, 0.0000501) | 0.03112 (0.00612, 0.08630) |
| Kepulauan Riau | Falls                                         | 10  | 1.7 (0.6, 3.4)    | 0.000025 (0.0000094, 0.0000498)  | 0.0349 (0.01315, 0.06907)  | 0.8 (0.3, 1.7)   | 0.000013 (0.0000047, 0.0000275)  | 0.02264 (0.00841, 0.04830) |
| Kepulauan Riau | Interpersonal violence                        | 10  | 0.1 (0.1, 0.3)    | 0.0000022 (0.0000008, 0.0000048) | 0.00303 (0.00111, 0.00646) | 0.1 (0.0, 0.3)   | 0.000002 (0.0000007, 0.0000044)  | 0.0035 (0.00125, 0.00781)  |
| Kepulauan Riau | Self-harm                                     | 10  | 0.3 (0.1, 0.7)    | 0.0000043 (0.0000013, 0.0000107) | 0.00595 (0.00180, 0.01545) | 0.2 (0.1, 0.5)   | 0.0000034 (0.0000010, 0.0000079) | 0.00588 (0.00170, 0.01435) |
| Kepulauan Riau | Transport injuries                            | 10  | 10.1 (5.8, 14.4)  | 0.0001479 (0.0000857, 0.0002120) | 0.20664 (0.12176, 0.29978) | 4.0 (2.0, 6.6)   | 0.0000645 (0.0000320, 0.0001061) | 0.11247 (0.05771, 0.18530) |
| Kepulauan Riau | Other unintentional injuries                  | 10  | 1.2 (0.6, 2.1)    | 0.000017 (0.0000085, 0.0000307)  | 0.0238 (0.01168, 0.04212)  | 0.5 (0.2, 1.1)   | 0.0000088 (0.0000040, 0.0000170) | 0.01535 (0.00706, 0.02914) |
| Kepulauan Riau | Diarrheal diseases                            | 15  | 1.0 (0.3, 2.6)    | 0.0000169 (0.0000048, 0.0000414) | 0.01631 (0.00492, 0.03905) | 1.3 (0.4, 3.1)   | 0.0000212 (0.0000062, 0.0000485) | 0.0217 (0.00648, 0.04925)  |
| Kepulauan Riau | HIV/AIDS                                      | 15  | 1.1 (0.3, 2.8)    | 0.0000173 (0.0000041, 0.0000452) | 0.01658 (0.00397, 0.04193) | 1.1 (0.2, 2.7)   | 0.0000167 (0.0000037, 0.0000434) | 0.01711 (0.00371, 0.04317) |
| Kepulauan Riau | Lower respiratory infections                  | 15  | 1.0 (0.4, 2.0)    | 0.0000165 (0.0000068, 0.0000325) | 0.01598 (0.00674, 0.03069) | 0.9 (0.3, 1.7)   | 0.0000138 (0.0000055, 0.0000272) | 0.01411 (0.00568, 0.02787) |
| Kepulauan Riau | Malaria                                       | 15  | 1.1 (0.0, 4.9)    | 0.0000182 (0.0000008, 0.0000789) | 0.01749 (0.00076, 0.07559) | 1.1 (0.0, 4.9)   | 0.0000181 (0.0000007, 0.0000780) | 0.01847 (0.00080, 0.07808) |
| Kepulauan Riau | Tuberculosis                                  | 15  | 3.5 (1.9, 5.8)    | 0.0000569 (0.0000301, 0.0000943) | 0.05491 (0.03056, 0.08675) | 3.5 (1.8, 5.7)   | 0.000056 (0.0000292, 0.0000901)  | 0.05725 (0.03181, 0.09026) |
| Kepulauan Riau | Maternal disorders                            | 15  |                   |                                  |                            | 1.2 (0.7, 2.2)   | 0.0000196 (0.0000103, 0.0000344) | 0.02012 (0.01100, 0.03431) |
| Kepulauan Riau | Other communicable diseases                   | 15  | 6.5 (3.0, 10.3)   | 0.0001057 (0.0000479, 0.0001660) | 0.1021 (0.04720, 0.15568)  | 5.6 (2.5, 8.9)   | 0.0000888 (0.0000395, 0.0001413) | 0.09095 (0.03974, 0.13974) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 15  | 1.1 (0.4, 2.4)    | 0.0000186 (0.0000062, 0.0000389) | 0.01795 (0.00598, 0.03613) | 0.6 (0.2, 1.5)   | 0.0000103 (0.0000029, 0.0000243) | 0.01052 (0.00299, 0.02425) |
| Kepulauan Riau | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000010) | 0.00023 (0.00002, 0.00098) | 0.6 (0.1, 1.5)   | 0.0000091 (0.0000019, 0.0000242) | 0.00935 (0.00192, 0.02522) |
| Kepulauan Riau | Cervical cancer                               | 15  |                   |                                  |                            | 0.6 (0.1, 1.7)   | 0.000009 (0.0000015, 0.0000265)  | 0.00918 (0.00151, 0.02750) |
| Kepulauan Riau | Other malignant neoplasms                     | 15  | 2.8 (1.5, 4.6)    | 0.0000453 (0.0000241, 0.0000739) | 0.04365 (0.02425, 0.06844) | 4.6 (2.6, 7.2)   | 0.0000729 (0.0000405, 0.0001139) | 0.07469 (0.04147, 0.11492) |
| Kepulauan Riau | Cerebrovascular disease                       | 15  | 1.5 (0.8, 2.5)    | 0.0000244 (0.0000135, 0.0000410) | 0.0235 (0.01341, 0.03702)  | 2.3 (1.3, 3.8)   | 0.000037 (0.0000210, 0.0000603)  | 0.03791 (0.02164, 0.06068) |
| Kepulauan Riau | Ischemic heart disease                        | 15  | 2.5 (1.4, 3.9)    | 0.0000406 (0.0000232, 0.0000636) | 0.03916 (0.02352, 0.06058) | 3.1 (1.7, 4.9)   | 0.0000491 (0.0000275, 0.0000772) | 0.05033 (0.02867, 0.08044) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 15  | 0.9 (0.4, 1.8)    | 0.0000148 (0.0000068, 0.0000295) | 0.01427 (0.00676, 0.02730)  | 1.6 (0.7, 3.2)    | 0.0000256 (0.0000114, 0.0000514) | 0.02618 (0.01178, 0.05100) |
| Kepulauan Riau | Diabetes mellitus                             | 15  | 0.8 (0.4, 1.5)    | 0.0000132 (0.0000065, 0.0000244) | 0.01271 (0.00647, 0.02301)  | 1.5 (0.7, 2.7)    | 0.0000232 (0.0000116, 0.0000425) | 0.02377 (0.01192, 0.04287) |
| Kepulauan Riau | Chronic kidney disease                        | 15  | 2.0 (1.1, 3.4)    | 0.0000327 (0.0000183, 0.0000550) | 0.03149 (0.01806, 0.04910)  | 2.9 (1.6, 4.8)    | 0.0000467 (0.0000258, 0.0000765) | 0.04776 (0.02698, 0.07495) |
| Kepulauan Riau | Cirrhosis                                     | 15  | 1.7 (0.9, 2.9)    | 0.0000277 (0.0000144, 0.0000468) | 0.02664 (0.01442, 0.04215)  | 1.3 (0.6, 2.2)    | 0.0000207 (0.0000103, 0.0000355) | 0.02123 (0.01076, 0.03545) |
| Kepulauan Riau | Chronic respiratory diseases                  | 15  | 0.7 (0.3, 1.3)    | 0.0000117 (0.0000055, 0.0000217) | 0.01125 (0.00548, 0.02029)  | 0.6 (0.3, 1.1)    | 0.0000098 (0.0000045, 0.0000181) | 0.00999 (0.00465, 0.01834) |
| Kepulauan Riau | Other non-communicable diseases               | 15  | 6.9 (4.7, 9.9)    | 0.0001114 (0.0000753, 0.0001594) | 0.10743 (0.07809, 0.14395)  | 10.4 (7.2, 13.9)  | 0.000165 (0.0001137, 0.0002200)  | 0.16891 (0.12278, 0.22069) |
| Kepulauan Riau | Drowning                                      | 15  | 1.3 (0.3, 4.1)    | 0.0000211 (0.0000044, 0.0000663) | 0.02034 (0.00427, 0.06234)  | 0.5 (0.1, 1.6)    | 0.0000008 (0.0000014, 0.0000261) | 0.00821 (0.00147, 0.02707) |
| Kepulauan Riau | Falls                                         | 15  | 1.3 (0.6, 2.5)    | 0.0000203 (0.0000090, 0.0000399) | 0.01958 (0.00889, 0.03743)  | 0.7 (0.3, 1.5)    | 0.0000113 (0.0000044, 0.0000241) | 0.01163 (0.00454, 0.02405) |
| Kepulauan Riau | Interpersonal violence                        | 15  | 0.3 (0.1, 0.7)    | 0.0000054 (0.0000023, 0.0000108) | 0.00521 (0.00233, 0.01004)  | 0.4 (0.2, 0.9)    | 0.0000065 (0.0000024, 0.0000141) | 0.00664 (0.00258, 0.01447) |
| Kepulauan Riau | Self-harm                                     | 15  | 0.6 (0.2, 1.1)    | 0.0000092 (0.0000040, 0.0000185) | 0.00887 (0.00386, 0.01778)  | 0.6 (0.2, 1.3)    | 0.0000097 (0.0000036, 0.0000199) | 0.00993 (0.00378, 0.02059) |
| Kepulauan Riau | Transport injuries                            | 15  | 23.8 (17.3, 31.7) | 0.0003842 (0.0002797, 0.0005122) | 0.37059 (0.28409, 0.44422)  | 13.5 (8.4, 18.9)  | 0.0002136 (0.0001337, 0.0002998) | 0.21863 (0.14338, 0.30338) |
| Kepulauan Riau | Other unintentional injuries                  | 15  | 1.5 (0.9, 2.6)    | 0.0000246 (0.0000140, 0.0000422) | 0.02377 (0.01376, 0.03956)  | 1.0 (0.5, 1.8)    | 0.0000151 (0.0000073, 0.0000286) | 0.01543 (0.00761, 0.02883) |
| Kepulauan Riau | Diarrheal diseases                            | 20  | 1.6 (0.4, 3.9)    | 0.000017 (0.0000048, 0.0000413)  | 0.01274 (0.00383, 0.03051)  | 1.4 (0.4, 3.3)    | 0.0000126 (0.0000038, 0.0000300) | 0.00984 (0.00303, 0.02267) |
| Kepulauan Riau | HIV/AIDS                                      | 20  | 5.9 (1.8, 12.4)   | 0.0000634 (0.0000194, 0.0001326) | 0.0475 (0.01507, 0.09956)   | 3.3 (1.0, 7.0)    | 0.0000306 (0.0000094, 0.0000646) | 0.02385 (0.00777, 0.04852) |
| Kepulauan Riau | Lower respiratory infections                  | 20  | 1.6 (0.6, 3.2)    | 0.000017 (0.0000066, 0.0000346)  | 0.01284 (0.00522, 0.02556)  | 0.8 (0.3, 1.6)    | 0.0000007 (0.0000025, 0.0000149) | 0.00541 (0.00198, 0.01135) |
| Kepulauan Riau | Malaria                                       | 20  | 2.3 (0.1, 9.9)    | 0.000025 (0.0000011, 0.0001055)  | 0.01876 (0.000085, 0.07743) | 1.4 (0.1, 6.1)    | 0.0000132 (0.0000006, 0.0000563) | 0.01024 (0.00047, 0.04336) |
| Kepulauan Riau | Tuberculosis                                  | 20  | 12.7 (6.9, 19.9)  | 0.0001355 (0.0000738, 0.0002122) | 0.10193 (0.05828, 0.15157)  | 5.9 (2.9, 9.6)    | 0.0000542 (0.0000271, 0.0000889) | 0.0421 (0.02149, 0.06878)  |
| Kepulauan Riau | Maternal disorders                            | 20  |                   |                                  |                             | 21.0 (14.0, 28.6) | 0.0001934 (0.0001293, 0.0002638) | 0.15033 (0.10949, 0.19702) |
| Kepulauan Riau | Other communicable diseases                   | 20  | 12.5 (5.4, 20.0)  | 0.0001334 (0.0000573, 0.0002133) | 0.10031 (0.04500, 0.15355)  | 7.5 (3.3, 12.4)   | 0.0000691 (0.0000303, 0.0001143) | 0.05379 (0.02447, 0.08561) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 20  | 1.3 (0.3, 3.5)    | 0.0000138 (0.0000034, 0.0000368) | 0.01044 (0.00253, 0.02777)  | 1.9 (0.6, 4.1)    | 0.0000171 (0.0000053, 0.0000380) | 0.01327 (0.00419, 0.02940) |
| Kepulauan Riau | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000015) | 0.00031 (0.00005, 0.00109)  | 3.1 (1.1, 6.4)    | 0.0000283 (0.0000099, 0.0000589) | 0.02204 (0.00773, 0.04624) |
| Kepulauan Riau | Cervical cancer                               | 20  |                   |                                  |                             | 2.9 (0.7, 7.1)    | 0.0000265 (0.0000068, 0.0000658) | 0.0206 (0.00542, 0.05151)  |
| Kepulauan Riau | Other malignant neoplasms                     | 20  | 4.9 (2.7, 8.0)    | 0.0000528 (0.0000287, 0.0000851) | 0.03962 (0.02241, 0.06197)  | 10.0 (5.2, 16.1)  | 0.0000925 (0.0000475, 0.0001479) | 0.07193 (0.03895, 0.11125) |
| Kepulauan Riau | Cerebrovascular disease                       | 20  | 4.8 (2.9, 7.3)    | 0.0000511 (0.0000311, 0.0000778) | 0.03839 (0.02505, 0.05584)  | 7.5 (4.7, 11.4)   | 0.0000689 (0.0000435, 0.0001046) | 0.0536 (0.03547, 0.07718)  |
| Kepulauan Riau | Ischemic heart disease                        | 20  | 7.9 (4.8, 11.9)   | 0.0000844 (0.0000509, 0.0001269) | 0.0635 (0.04175, 0.09095)   | 7.5 (4.4, 11.3)   | 0.000069 (0.0000408, 0.0001043)  | 0.0537 (0.03265, 0.08294)  |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 20  | 2.4 (1.2, 4.3)    | 0.000026 (0.0000130, 0.0000456)  | 0.01951 (0.01014, 0.03457)  | 4.7 (2.4, 8.4)    | 0.0000431 (0.0000223, 0.0000777) | 0.03352 (0.01798, 0.05887) |
| Kepulauan Riau | Diabetes mellitus                             | 20  | 1.4 (0.8, 2.5)    | 0.0000154 (0.0000081, 0.0000262) | 0.01161 (0.00610, 0.01853)  | 2.7 (1.4, 4.6)    | 0.0000253 (0.0000129, 0.0000424) | 0.01967 (0.01043, 0.03202) |
| Kepulauan Riau | Chronic kidney disease                        | 20  | 5.8 (3.5, 9.3)    | 0.0000624 (0.0000378, 0.0000990) | 0.04693 (0.02964, 0.06906)  | 8.7 (5.2, 13.9)   | 0.0000803 (0.0000476, 0.0001276) | 0.06239 (0.03843, 0.09046) |
| Kepulauan Riau | Cirrhosis                                     | 20  | 4.8 (2.7, 8.1)    | 0.000051 (0.0000284, 0.0000866)  | 0.03829 (0.02217, 0.06082)  | 4.2 (2.2, 6.9)    | 0.0000384 (0.0000205, 0.0000634) | 0.02992 (0.01662, 0.04848) |
| Kepulauan Riau | Chronic respiratory diseases                  | 20  | 2.9 (1.4, 5.0)    | 0.0000309 (0.0000153, 0.0000531) | 0.02325 (0.01156, 0.03973)  | 3.0 (1.4, 5.2)    | 0.0000272 (0.0000125, 0.0000479) | 0.02113 (0.01010, 0.03599) |
| Kepulauan Riau | Other non-communicable diseases               | 20  | 11.3 (7.4, 16.6)  | 0.0001204 (0.0000793, 0.0001768) | 0.09047 (0.06389, 0.12465)  | 18.1 (12.0, 25.1) | 0.0001663 (0.0001103, 0.0002309) | 0.12926 (0.09196, 0.16949) |
| Kepulauan Riau | Drowning                                      | 20  | 1.4 (0.3, 4.5)    | 0.0000151 (0.0000027, 0.0000481) | 0.01133 (0.00212, 0.03618)  | 0.7 (0.1, 2.3)    | 0.0000064 (0.0000010, 0.0000209) | 0.00498 (0.00080, 0.01628) |
| Kepulauan Riau | Falls                                         | 20  | 1.9 (0.8, 3.9)    | 0.0000207 (0.0000091, 0.0000413) | 0.01556 (0.00704, 0.03096)  | 1.3 (0.5, 2.8)    | 0.0000119 (0.0000047, 0.0000258) | 0.00929 (0.00368, 0.01972) |
| Kepulauan Riau | Interpersonal violence                        | 20  | 0.7 (0.3, 1.5)    | 0.0000078 (0.0000033, 0.0000155) | 0.00583 (0.00256, 0.01093)  | 0.8 (0.3, 1.8)    | 0.0000075 (0.0000028, 0.0000161) | 0.00584 (0.00234, 0.01270) |
| Kepulauan Riau | Self-harm                                     | 20  | 1.1 (0.4, 2.2)    | 0.0000116 (0.0000048, 0.0000230) | 0.0087 (0.00373, 0.01711)   | 1.0 (0.4, 2.1)    | 0.0000095 (0.0000034, 0.0000197) | 0.0074 (0.00272, 0.01499)  |
| Kepulauan Riau | Transport injuries                            | 20  | 32.3 (21.5, 45.1) | 0.0003444 (0.0002297, 0.0004811) | 0.2589 (0.17931, 0.33221)   | 18.5 (10.4, 28.1) | 0.0001705 (0.0000956, 0.0002588) | 0.13264 (0.07620, 0.19516) |
| Kepulauan Riau | Other unintentional injuries                  | 20  | 2.9 (1.5, 5.1)    | 0.0000309 (0.0000160, 0.0000545) | 0.02324 (0.01238, 0.03933)  | 1.9 (0.8, 3.7)    | 0.0000171 (0.0000076, 0.0000341) | 0.01328 (0.00598, 0.02511) |
| Kepulauan Riau | Diarrheal diseases                            | 25  | 2.9 (0.9, 7.1)    | 0.0000249 (0.0000081, 0.0000612) | 0.01556 (0.00513, 0.03669)  | 1.5 (0.5, 3.5)    | 0.0000129 (0.0000043, 0.0000302) | 0.00766 (0.00255, 0.01729) |
| Kepulauan Riau | HIV/AIDS                                      | 25  | 13.0 (4.5, 24.4)  | 0.0001128 (0.0000391, 0.0002112) | 0.07048 (0.02498, 0.12808)  | 4.3 (1.5, 8.5)    | 0.0000368 (0.0000131, 0.0000728) | 0.02197 (0.00777, 0.04158) |
| Kepulauan Riau | Lower respiratory infections                  | 25  | 2.0 (0.8, 4.2)    | 0.0000174 (0.0000068, 0.0000364) | 0.01094 (0.00448, 0.02217)  | 0.6 (0.2, 1.2)    | 0.0000047 (0.0000017, 0.0000103) | 0.00282 (0.00102, 0.00571) |
| Kepulauan Riau | Malaria                                       | 25  | 3.3 (0.1, 12.8)   | 0.0000282 (0.0000013, 0.0001104) | 0.01764 (0.00082, 0.06917)  | 1.2 (0.1, 5.2)    | 0.0000101 (0.0000005, 0.0000441) | 0.00601 (0.00027, 0.02572) |
| Kepulauan Riau | Tuberculosis                                  | 25  | 21.8 (11.7, 33.8) | 0.0001886 (0.0001013, 0.0002928) | 0.11818 (0.06330, 0.17751)  | 5.6 (2.7, 9.5)    | 0.0000479 (0.0000226, 0.0000813) | 0.0285 (0.01428, 0.04630)  |
| Kepulauan Riau | Maternal disorders                            | 25  |                   |                                  |                             | 41.4 (29.0, 54.8) | 0.0003522 (0.0002473, 0.0004663) | 0.20995 (0.16410, 0.25640) |
| Kepulauan Riau | Other communicable diseases                   | 25  | 16.8 (7.5, 27.1)  | 0.0001456 (0.0000649, 0.0002343) | 0.09125 (0.04128, 0.13874)  | 6.2 (2.8, 10.2)   | 0.0000529 (0.0000238, 0.0000868) | 0.03161 (0.01434, 0.05019) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 25  | 1.3 (0.2, 4.2)    | 0.0000109 (0.0000018, 0.0000364) | 0.00686 (0.00115, 0.02251)  | 2.8 (0.9, 6.1)    | 0.0000235 (0.0000073, 0.0000520) | 0.01396 (0.00446, 0.03072) |
| Kepulauan Riau | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000003 (0.0000001, 0.0000010) | 0.00021 (0.00004, 0.00065)  | 7.2 (2.6, 14.1)   | 0.0000611 (0.0000223, 0.0001205) | 0.03654 (0.01309, 0.07212) |
| Kepulauan Riau | Cervical cancer                               | 25  |                   |                                  |                             | 5.3 (1.2, 13.2)   | 0.0000449 (0.0000105, 0.0001124) | 0.02674 (0.00611, 0.06701) |
| Kepulauan Riau | Other malignant neoplasms                     | 25  | 8.3 (4.7, 13.2)   | 0.0000716 (0.0000405, 0.0001146) | 0.04481 (0.02641, 0.06802)  | 13.5 (6.4, 22.2)  | 0.0001147 (0.0000544, 0.0001913) | 0.06833 (0.03439, 0.10966) |
| Kepulauan Riau | Cerebrovascular disease                       | 25  | 10.7 (7.0, 15.3)  | 0.0000922 (0.0000607, 0.0001327) | 0.05773 (0.04078, 0.07919)  | 14.7 (9.5, 21.2)  | 0.0001249 (0.0000812, 0.0001802) | 0.07449 (0.05208, 0.10181) |
| Kepulauan Riau | Ischemic heart disease                        | 25  | 19.2 (13.0, 26.4) | 0.0001657 (0.0001129, 0.0002286) | 0.10389 (0.07501, 0.13821)  | 14.9 (9.2, 21.6)  | 0.0001271 (0.0000784, 0.0001837) | 0.07587 (0.05057, 0.10779) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 25  | 4.0 (2.2, 7.0)    | 0.0000346 (0.0000187, 0.0000603) | 0.02166 (0.01195, 0.03632)  | 7.0 (3.7, 12.5)   | 0.0000597 (0.0000319, 0.0001067) | 0.03554 (0.02017, 0.06144) |
| Kepulauan Riau | Diabetes mellitus                             | 25  | 3.2 (1.9, 5.1)    | 0.0000279 (0.0000168, 0.0000438) | 0.01746 (0.01081, 0.02619)  | 5.3 (3.0, 8.4)    | 0.0000448 (0.0000252, 0.0000713) | 0.02674 (0.01647, 0.04077) |
| Kepulauan Riau | Chronic kidney disease                        | 25  | 8.8 (5.5, 13.4)   | 0.0000764 (0.0000476, 0.0001156) | 0.04786 (0.03120, 0.06844)  | 11.3 (6.5, 17.4)  | 0.0000959 (0.0000551, 0.0001481) | 0.05715 (0.03647, 0.08202) |
| Kepulauan Riau | Cirrhosis                                     | 25  | 8.6 (5.0, 14.1)   | 0.0000748 (0.0000435, 0.0001216) | 0.04681 (0.02900, 0.07165)  | 6.7 (3.7, 10.8)   | 0.0000567 (0.0000318, 0.0000916) | 0.03384 (0.02008, 0.05372) |
| Kepulauan Riau | Chronic respiratory diseases                  | 25  | 4.3 (2.2, 7.5)    | 0.0000376 (0.0000187, 0.0000652) | 0.02357 (0.01199, 0.03986)  | 4.0 (1.9, 7.0)    | 0.0000339 (0.0000162, 0.0000595) | 0.02021 (0.01017, 0.03380) |
| Kepulauan Riau | Other non-communicable diseases               | 25  | 16.3 (11.2, 23.5) | 0.0001413 (0.0000969, 0.0002034) | 0.08847 (0.06278, 0.11942)  | 23.5 (15.2, 33.1) | 0.0001997 (0.0001297, 0.0002815) | 0.11904 (0.08524, 0.15620) |
| Kepulauan Riau | Drowning                                      | 25  | 1.2 (0.2, 3.8)    | 0.00001 (0.0000015, 0.0000326)   | 0.00627 (0.00102, 0.01954)  | 0.5 (0.1, 1.6)    | 0.0000044 (0.0000006, 0.0000136) | 0.0026 (0.00037, 0.00803)  |
| Kepulauan Riau | Falls                                         | 25  | 3.5 (1.5, 7.2)    | 0.0000305 (0.0000128, 0.0000626) | 0.01912 (0.00870, 0.03797)  | 2.1 (0.8, 4.6)    | 0.0000178 (0.0000069, 0.0000392) | 0.01064 (0.00423, 0.02261) |
| Kepulauan Riau | Interpersonal violence                        | 25  | 1.0 (0.4, 1.8)    | 0.0000084 (0.0000034, 0.0000158) | 0.00528 (0.00226, 0.00966)  | 0.9 (0.3, 1.9)    | 0.0000078 (0.0000028, 0.0000161) | 0.00463 (0.00183, 0.00948) |
| Kepulauan Riau | Self-harm                                     | 25  | 1.4 (0.5, 2.7)    | 0.0000118 (0.0000045, 0.0000233) | 0.00736 (0.00299, 0.01463)  | 1.1 (0.4, 2.2)    | 0.0000091 (0.0000032, 0.0000191) | 0.00542 (0.00206, 0.01135) |
| Kepulauan Riau | Transport injuries                            | 25  | 28.4 (17.0, 41.9) | 0.0002459 (0.0001470, 0.0003629) | 0.15413 (0.09673, 0.21989)  | 13.2 (6.6, 21.8)  | 0.0001126 (0.0000566, 0.0001854) | 0.06714 (0.03604, 0.10927) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Other unintentional injuries                  | 25  | 4.5 (2.3, 8.1)    | 0.000039 (0.0000197, 0.0000705)  | 0.02446 (0.01275, 0.04370) | 2.5 (1.1, 4.9)    | 0.0000211 (0.0000090, 0.0000420) | 0.01259 (0.00580, 0.02428) |
| Kepulauan Riau | Diarrheal diseases                            | 30  | 3.1 (0.9, 7.1)    | 0.0000288 (0.0000088, 0.0000662) | 0.01619 (0.00518, 0.03666) | 3.3 (1.1, 7.2)    | 0.0000332 (0.0000113, 0.0000721) | 0.01532 (0.00550, 0.03247) |
| Kepulauan Riau | HIV/AIDS                                      | 30  | 12.4 (4.4, 23.7)  | 0.0001157 (0.0000407, 0.0002217) | 0.06481 (0.02284, 0.11963) | 8.7 (3.3, 16.1)   | 0.0000867 (0.0000326, 0.0001600) | 0.04012 (0.01500, 0.07286) |
| Kepulauan Riau | Lower respiratory infections                  | 30  | 1.7 (0.7, 3.5)    | 0.0000156 (0.0000063, 0.0000326) | 0.00876 (0.00359, 0.01765) | 1.0 (0.4, 2.2)    | 0.0000103 (0.0000038, 0.0000218) | 0.00475 (0.00179, 0.00985) |
| Kepulauan Riau | Malaria                                       | 30  | 2.7 (0.1, 11.0)   | 0.0000251 (0.0000011, 0.0001031) | 0.01408 (0.00064, 0.05760) | 1.9 (0.1, 8.6)    | 0.0000193 (0.0000009, 0.0000854) | 0.00886 (0.00040, 0.03800) |
| Kepulauan Riau | Tuberculosis                                  | 30  | 19.7 (10.4, 31.5) | 0.0001837 (0.0000972, 0.0002939) | 0.1032 (0.05463, 0.15383)  | 10.7 (5.0, 18.3)  | 0.000107 (0.0000502, 0.0001827)  | 0.0493 (0.02426, 0.07886)  |
| Kepulauan Riau | Maternal disorders                            | 30  | -                 | -                                | -                          | 20.4 (12.7, 28.9) | 0.0002037 (0.0001269, 0.0002884) | 0.09403 (0.06638, 0.12430) |
| Kepulauan Riau | Other communicable diseases                   | 30  | 11.5 (4.7, 19.3)  | 0.0001071 (0.0000439, 0.0001805) | 0.06016 (0.02444, 0.09982) | 8.9 (3.8, 15.4)   | 0.0000884 (0.0000379, 0.0001536) | 0.04087 (0.01747, 0.06542) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 30  | 3.1 (0.7, 8.2)    | 0.0000291 (0.0000068, 0.0000765) | 0.01634 (0.00396, 0.04365) | 3.0 (1.0, 6.8)    | 0.0000302 (0.0000096, 0.0000676) | 0.0139 (0.00474, 0.02937)  |
| Kepulauan Riau | Breast cancer                                 | 30  | - (0.0, 0.2)      | 0.0000004 (0.0000000, 0.0000018) | 0.00025 (0.00002, 0.00102) | 12.4 (5.6, 21.4)  | 0.0001235 (0.0000560, 0.0002134) | 0.05709 (0.02735, 0.09494) |
| Kepulauan Riau | Cervical cancer                               | 30  | -                 | -                                | -                          | 5.2 (1.6, 12.1)   | 0.0000515 (0.0000162, 0.0001207) | 0.02377 (0.00736, 0.05401) |
| Kepulauan Riau | Other malignant neoplasms                     | 30  | 11.8 (6.7, 18.4)  | 0.0001105 (0.0000626, 0.0001719) | 0.06201 (0.03757, 0.09247) | 15.4 (7.9, 25.5)  | 0.0001538 (0.0000790, 0.0002542) | 0.07097 (0.03819, 0.10967) |
| Kepulauan Riau | Cerebrovascular disease                       | 30  | 15.6 (10.8, 21.7) | 0.0001454 (0.0001006, 0.0002029) | 0.08164 (0.05954, 0.10812) | 22.4 (15.4, 31.3) | 0.0002228 (0.0001537, 0.0003122) | 0.10291 (0.07520, 0.13421) |
| Kepulauan Riau | Ischemic heart disease                        | 30  | 24.4 (17.1, 33.1) | 0.0002282 (0.0001596, 0.0003093) | 0.12822 (0.09790, 0.16509) | 20.5 (13.4, 29.6) | 0.0002047 (0.0001332, 0.0002951) | 0.09462 (0.06660, 0.13143) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 30  | 4.7 (2.6, 8.4)    | 0.0000443 (0.0000240, 0.0000784) | 0.02487 (0.01398, 0.04233) | 8.3 (4.5, 15.0)   | 0.0000826 (0.0000451, 0.0001490) | 0.03807 (0.02186, 0.06543) |
| Kepulauan Riau | Diabetes mellitus                             | 30  | 5.2 (3.3, 7.8)    | 0.0000486 (0.0000309, 0.0000724) | 0.02732 (0.01804, 0.03907) | 8.4 (5.1, 12.7)   | 0.0000837 (0.0000509, 0.0001263) | 0.0387 (0.02474, 0.05584)  |
| Kepulauan Riau | Chronic kidney disease                        | 30  | 9.5 (6.0, 14.1)   | 0.0000889 (0.0000560, 0.0001316) | 0.04987 (0.03317, 0.06936) | 11.9 (7.0, 18.4)  | 0.0001184 (0.0000694, 0.0001830) | 0.05462 (0.03570, 0.07844) |
| Kepulauan Riau | Cirrhosis                                     | 30  | 10.9 (6.6, 16.5)  | 0.0001019 (0.0000620, 0.0001540) | 0.05715 (0.03648, 0.08373) | 8.6 (5.0, 13.8)   | 0.000086 (0.0000496, 0.0001372)  | 0.03979 (0.02436, 0.06192) |
| Kepulauan Riau | Chronic respiratory diseases                  | 30  | 4.5 (2.4, 7.9)    | 0.0000419 (0.0000220, 0.0000734) | 0.02354 (0.01261, 0.03955) | 4.0 (1.9, 7.0)    | 0.0000401 (0.0000192, 0.0000697) | 0.01849 (0.00951, 0.03116) |
| Kepulauan Riau | Other non-communicable diseases               | 30  | 16.1 (11.0, 23.1) | 0.0001503 (0.0001026, 0.0002158) | 0.08436 (0.05919, 0.11289) | 23.7 (15.3, 33.6) | 0.0002357 (0.0001529, 0.0003349) | 0.10882 (0.07671, 0.14291) |
| Kepulauan Riau | Drowning                                      | 30  | 1.2 (0.2, 4.0)    | 0.0000111 (0.0000018, 0.0000370) | 0.00621 (0.00110, 0.02088) | 0.6 (0.1, 2.1)    | 0.0000061 (0.0000010, 0.0000207) | 0.00282 (0.00045, 0.00936) |
| Kepulauan Riau | Falls                                         | 30  | 3.9 (1.6, 7.8)    | 0.0000364 (0.0000146, 0.0000727) | 0.02043 (0.00874, 0.03966) | 2.6 (1.0, 5.7)    | 0.0000259 (0.0000099, 0.0000569) | 0.01196 (0.00461, 0.02465) |
| Kepulauan Riau | Interpersonal violence                        | 30  | 0.7 (0.3, 1.5)    | 0.0000069 (0.0000029, 0.0000136) | 0.00389 (0.00170, 0.00753) | 0.7 (0.3, 1.5)    | 0.000007 (0.0000026, 0.0000146)  | 0.00322 (0.00125, 0.00661) |
| Kepulauan Riau | Self-harm                                     | 30  | 1.0 (0.4, 2.1)    | 0.0000095 (0.0000035, 0.0000200) | 0.00536 (0.00214, 0.01097) | 0.8 (0.3, 1.7)    | 0.000008 (0.0000028, 0.0000174)  | 0.00368 (0.00135, 0.00789) |
| Kepulauan Riau | Transport injuries                            | 30  | 23.0 (13.2, 34.1) | 0.0002147 (0.0001228, 0.0003184) | 0.12067 (0.07182, 0.17769) | 11.5 (5.7, 19.3)  | 0.0001142 (0.0000564, 0.0001928) | 0.05276 (0.02707, 0.08678) |
| Kepulauan Riau | Other unintentional injuries                  | 30  | 3.9 (1.8, 7.0)    | 0.0000368 (0.0000170, 0.0000654) | 0.02068 (0.00997, 0.03595) | 2.3 (0.9, 4.7)    | 0.0000229 (0.0000091, 0.0000466) | 0.01055 (0.00468, 0.02063) |
| Kepulauan Riau | Diarrheal diseases                            | 35  | 2.3 (0.7, 5.2)    | 0.0000273 (0.0000082, 0.0000617) | 0.01202 (0.00374, 0.02663) | 1.9 (0.6, 4.1)    | 0.0000256 (0.0000085, 0.0000564) | 0.00781 (0.00266, 0.01691) |
| Kepulauan Riau | HIV/AIDS                                      | 35  | 9.9 (3.2, 20.1)   | 0.000117 (0.0000377, 0.0002367)  | 0.05143 (0.01804, 0.09815) | 4.8 (1.5, 9.5)    | 0.0000663 (0.0000041, 0.0001319) | 0.02025 (0.00690, 0.03922) |
| Kepulauan Riau | Lower respiratory infections                  | 35  | 1.6 (0.6, 3.2)    | 0.0000184 (0.0000072, 0.0000380) | 0.00814 (0.00337, 0.01612) | 0.7 (0.3, 1.5)    | 0.0000098 (0.0000035, 0.0000208) | 0.00299 (0.00107, 0.00602) |
| Kepulauan Riau | Malaria                                       | 35  | 2.0 (0.1, 8.1)    | 0.000024 (0.0000011, 0.0000952)  | 0.01056 (0.00053, 0.04296) | 1.0 (0.0, 4.3)    | 0.0000139 (0.0000006, 0.0000593) | 0.00422 (0.00017, 0.01836) |
| Kepulauan Riau | Tuberculosis                                  | 35  | 18.6 (9.8, 29.3)  | 0.0002192 (0.0001151, 0.0003445) | 0.09667 (0.05475, 0.13985) | 6.8 (3.0, 11.9)   | 0.0000938 (0.0000419, 0.0001643) | 0.02848 (0.01373, 0.04644) |
| Kepulauan Riau | Maternal disorders                            | 35  | -                 | -                                | -                          | 30.4 (19.9, 42.7) | 0.000421 (0.0002749, 0.0005906)  | 0.12793 (0.09268, 0.16458) |
| Kepulauan Riau | Other communicable diseases                   | 35  | 8.7 (3.6, 15.0)   | 0.0001028 (0.0000428, 0.0001758) | 0.04532 (0.01872, 0.07462) | 5.1 (2.2, 9.2)    | 0.0000707 (0.0000310, 0.0001272) | 0.02155 (0.00983, 0.03580) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 35  | 2.4 (0.5, 6.8)    | 0.0000277 (0.0000063, 0.0000797) | 0.01222 (0.00278, 0.03182) | 3.5 (1.2, 7.5)    | 0.0000485 (0.0000168, 0.0001033) | 0.01473 (0.00557, 0.02994) |
| Kepulauan Riau | Breast cancer                                 | 35  | 0.1 (0.0, 0.3)    | 0.000001 (0.0000001, 0.0000038)  | 0.00044 (0.00004, 0.00174) | 14.8 (6.4, 26.0)  | 0.0002054 (0.0000884, 0.0003597) | 0.06264 (0.02783, 0.10547) |
| Kepulauan Riau | Cervical cancer                               | 35  | -                 | -                                | -                          | 8.8 (2.7, 19.9)   | 0.0001225 (0.0000374, 0.0002751) | 0.03723 (0.01156, 0.08569) |
| Kepulauan Riau | Other malignant neoplasms                     | 35  | 14.8 (8.6, 22.9)  | 0.0001741 (0.0001007, 0.0002692) | 0.07671 (0.04737, 0.11313) | 14.3 (6.6, 24.9)  | 0.000198 (0.0000908, 0.0003451)  | 0.06017 (0.02973, 0.09874) |
| Kepulauan Riau | Cerebrovascular disease                       | 35  | 21.2 (14.7, 28.9) | 0.0002492 (0.0001729, 0.0003402) | 0.10986 (0.08314, 0.14062) | 31.8 (21.6, 44.6) | 0.0004402 (0.0002996, 0.0006178) | 0.13394 (0.10115, 0.16928) |
| Kepulauan Riau | Ischemic heart disease                        | 35  | 29.3 (20.7, 39.4) | 0.0003446 (0.0002434, 0.0004634) | 0.15203 (0.11829, 0.19157) | 26.1 (17.0, 38.3) | 0.0003615 (0.0002347, 0.0005305) | 0.1101 (0.07778, 0.14934)  |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 35  | 5.4 (2.9, 9.4)    | 0.0000631 (0.0000340, 0.0001101) | 0.0278 (0.01600, 0.04620)  | 9.3 (5.0, 16.6)   | 0.0001294 (0.0000695, 0.0002299) | 0.03931 (0.02227, 0.06555) |
| Kepulauan Riau | Diabetes mellitus                             | 35  | 8.5 (5.5, 12.5)   | 0.0001004 (0.0000642, 0.0001471) | 0.04427 (0.02902, 0.06158) | 13.7 (8.4, 20.6)  | 0.0001893 (0.0001157, 0.0002847) | 0.05761 (0.03723, 0.08110) |
| Kepulauan Riau | Chronic kidney disease                        | 35  | 10.0 (6.3, 14.9)  | 0.0001171 (0.0000739, 0.0001755) | 0.0516 (0.03454, 0.07193)  | 12.2 (7.1, 19.5)  | 0.0001684 (0.0000984, 0.0002700) | 0.05117 (0.03380, 0.07355) |
| Kepulauan Riau | Cirrhosis                                     | 35  | 12.0 (7.2, 18.4)  | 0.0001406 (0.0000852, 0.0002163) | 0.06191 (0.03981, 0.09087) | 9.9 (5.5, 15.9)   | 0.000137 (0.0000759, 0.0002198)  | 0.04174 (0.02567, 0.06591) |
| Kepulauan Riau | Chronic respiratory diseases                  | 35  | 5.2 (2.6, 8.6)    | 0.0000608 (0.0000308, 0.0001009) | 0.02683 (0.01498, 0.04451) | 4.3 (2.1, 7.5)    | 0.0000591 (0.0000290, 0.0001035) | 0.01798 (0.00943, 0.03018) |
| Kepulauan Riau | Other non-communicable diseases               | 35  | 14.5 (9.7, 20.9)  | 0.0001709 (0.0001146, 0.0002458) | 0.07534 (0.05308, 0.10212) | 22.0 (13.8, 32.6) | 0.000304 (0.0001909, 0.0004518)  | 0.09244 (0.06470, 0.12235) |
| Kepulauan Riau | Drowning                                      | 35  | 1.3 (0.2, 4.3)    | 0.0000154 (0.0000027, 0.0000503) | 0.00678 (0.00120, 0.02220) | 0.8 (0.1, 2.6)    | 0.0000116 (0.0000019, 0.0000364) | 0.00352 (0.00058, 0.01147) |
| Kepulauan Riau | Falls                                         | 35  | 3.5 (1.4, 6.9)    | 0.0000414 (0.0000166, 0.0000813) | 0.01824 (0.00805, 0.03477) | 2.7 (1.1, 5.8)    | 0.0000381 (0.0000146, 0.0000799) | 0.01157 (0.00463, 0.02250) |
| Kepulauan Riau | Interpersonal violence                        | 35  | 0.6 (0.2, 1.2)    | 0.0000069 (0.0000028, 0.0000139) | 0.00304 (0.00123, 0.00598) | 0.6 (0.2, 1.2)    | 0.0000077 (0.0000028, 0.0000164) | 0.00233 (0.00092, 0.00480) |
| Kepulauan Riau | Self-harm                                     | 35  | 0.9 (0.3, 1.8)    | 0.0000102 (0.0000037, 0.0000216) | 0.00451 (0.00168, 0.00925) | 0.7 (0.2, 1.4)    | 0.0000092 (0.0000031, 0.0000200) | 0.0028 (0.00098, 0.00579)  |
| Kepulauan Riau | Transport injuries                            | 35  | 16.7 (9.1, 26.8)  | 0.0001969 (0.0001066, 0.0003149) | 0.08686 (0.04845, 0.13289) | 9.2 (4.2, 16.0)   | 0.000127 (0.0000579, 0.0002216)  | 0.03866 (0.01877, 0.06497) |
| Kepulauan Riau | Other unintentional injuries                  | 35  | 3.4 (1.6, 6.2)    | 0.0000395 (0.0000186, 0.0000734) | 0.01742 (0.00842, 0.03087) | 2.1 (0.9, 4.4)    | 0.000029 (0.0000124, 0.0000612)  | 0.00882 (0.00401, 0.01706) |
| Kepulauan Riau | Diarrheal diseases                            | 40  | 2.4 (0.7, 5.4)    | 0.0000377 (0.0000120, 0.0000869) | 0.01154 (0.00382, 0.02544) | 3.8 (1.4, 7.9)    | 0.0000825 (0.0000308, 0.0001720) | 0.0179 (0.00666, 0.03637)  |
| Kepulauan Riau | HIV/AIDS                                      | 40  | 5.2 (1.5, 11.6)   | 0.0000831 (0.0000244, 0.0001860) | 0.02536 (0.00765, 0.05495) | 5.0 (1.5, 11.0)   | 0.0001089 (0.0000324, 0.0002392) | 0.02369 (0.00705, 0.04917) |
| Kepulauan Riau | Lower respiratory infections                  | 40  | 1.5 (0.6, 3.1)    | 0.0000247 (0.0000100, 0.0000492) | 0.00757 (0.00324, 0.01456) | 1.5 (0.6, 3.0)    | 0.0000325 (0.0000126, 0.0000649) | 0.00704 (0.00280, 0.01384) |
| Kepulauan Riau | Malaria                                       | 40  | 1.8 (0.1, 7.4)    | 0.0000292 (0.0000014, 0.0001176) | 0.00893 (0.00041, 0.03600) | 1.7 (0.1, 7.9)    | 0.0000365 (0.0000016, 0.0001720) | 0.00785 (0.00032, 0.03453) |
| Kepulauan Riau | Tuberculosis                                  | 40  | 16.0 (9.2, 24.6)  | 0.0002566 (0.0001468, 0.0003940) | 0.07857 (0.04784, 0.10970) | 11.2 (6.0, 18.1)  | 0.0002432 (0.0001297, 0.0003929) | 0.0526 (0.02962, 0.07813)  |
| Kepulauan Riau | Maternal disorders                            | 40  | -                 | -                                | -                          | 1.6 (0.9, 2.8)    | 0.0000353 (0.0000184, 0.0000603) | 0.00765 (0.00433, 0.01287) |
| Kepulauan Riau | Other communicable diseases                   | 40  | 8.2 (3.3, 14.2)   | 0.0001303 (0.0000521, 0.0002276) | 0.03994 (0.01556, 0.06518) | 9.9 (4.5, 16.8)   | 0.0002154 (0.0000985, 0.0003645) | 0.04675 (0.02137, 0.07417) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 40  | 3.9 (1.3, 8.8)    | 0.0000629 (0.0000206, 0.0001415) | 0.01928 (0.00664, 0.04208) | 3.5 (1.4, 7.1)    | 0.0000769 (0.0000293, 0.0001534) | 0.01663 (0.00685, 0.03171) |
| Kepulauan Riau | Breast cancer                                 | 40  | 0.2 (0.0, 0.5)    | 0.0000026 (0.0000004, 0.0000080) | 0.00078 (0.00014, 0.00245) | 13.8 (6.3, 23.3)  | 0.0003001 (0.0001361, 0.0005043) | 0.06511 (0.03090, 0.10502) |
| Kepulauan Riau | Cervical cancer                               | 40  | -                 | -                                | -                          | 8.3 (2.8, 17.2)   | 0.000179 (0.0000599, 0.0003717)  | 0.03879 (0.01384, 0.07805) |
| Kepulauan Riau | Other malignant neoplasms                     | 40  | 16.2 (9.3, 25.2)  | 0.0002584 (0.0001480, 0.0004027) | 0.07913 (0.04832, 0.11745) | 10.4 (4.9, 17.9)  | 0.0002264 (0.0001065, 0.0003886) | 0.04909 (0.02395, 0.08192) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Cerebrovascular disease                       | 40  | 28.9 (20.3, 39.0) | 0.0004613 (0.0003238, 0.0006231) | 0.1413 (0.10863, 0.17506)  | 36.3 (25.2, 49.5) | 0.0007856 (0.0005469, 0.0010721) | 0.17031 (0.13349, 0.20925) |
| Kepulauan Riau | Ischemic heart disease                        | 40  | 36.9 (26.3, 49.9) | 0.0005906 (0.0004212, 0.0007973) | 0.18101 (0.14133, 0.22490) | 27.4 (18.0, 38.6) | 0.0005942 (0.0003911, 0.0008371) | 0.12892 (0.09232, 0.16962) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 40  | 6.4 (3.5, 11.2)   | 0.000102 (0.0000556, 0.0001792)  | 0.03123 (0.01785, 0.05121) | 9.0 (5.0, 15.4)   | 0.0001946 (0.0001073, 0.0003337) | 0.04213 (0.02417, 0.06873) |
| Kepulauan Riau | Diabetes mellitus                             | 40  | 15.0 (9.9, 21.5)  | 0.0002399 (0.0001580, 0.0003440) | 0.07355 (0.05166, 0.09852) | 19.2 (12.3, 27.7) | 0.0004168 (0.0002675, 0.0005992) | 0.09036 (0.06319, 0.12182) |
| Kepulauan Riau | Chronic kidney disease                        | 40  | 10.6 (6.8, 15.9)  | 0.0001702 (0.0001094, 0.0002549) | 0.0521 (0.03531, 0.07316)  | 10.3 (6.2, 16.2)  | 0.0002221 (0.0001335, 0.0003501) | 0.04811 (0.03127, 0.06965) |
| Kepulauan Riau | Cirrhosis                                     | 40  | 13.0 (7.9, 20.3)  | 0.0002073 (0.0001258, 0.0003240) | 0.06336 (0.04071, 0.09263) | 9.1 (5.1, 14.6)   | 0.0001971 (0.0001107, 0.0003159) | 0.04275 (0.02636, 0.06727) |
| Kepulauan Riau | Chronic respiratory diseases                  | 40  | 5.6 (3.1, 9.4)    | 0.0000896 (0.0000492, 0.0001502) | 0.02747 (0.01582, 0.04393) | 3.8 (1.9, 6.4)    | 0.000082 (0.0000417, 0.0001397)  | 0.01775 (0.00991, 0.02883) |
| Kepulauan Riau | Other non-communicable diseases               | 40  | 13.5 (9.2, 19.8)  | 0.0002155 (0.0001464, 0.0003170) | 0.066 (0.04737, 0.08952)   | 16.9 (10.8, 25.0) | 0.0003654 (0.0002345, 0.0005411) | 0.07915 (0.05611, 0.10577) |
| Kepulauan Riau | Drowning                                      | 40  | 0.7 (0.1, 2.5)    | 0.0000107 (0.0000017, 0.0000399) | 0.00328 (0.00055, 0.01143) | 0.4 (0.1, 1.5)    | 0.000009 (0.0000013, 0.0000315)  | 0.00195 (0.00030, 0.00659) |
| Kepulauan Riau | Falls                                         | 40  | 2.9 (1.1, 6.0)    | 0.0000457 (0.0000180, 0.0000953) | 0.01398 (0.00580, 0.02789) | 2.1 (0.8, 4.4)    | 0.0000445 (0.0000173, 0.0000953) | 0.00963 (0.00392, 0.01964) |
| Kepulauan Riau | Interpersonal violence                        | 40  | 0.4 (0.1, 0.8)    | 0.0000061 (0.0000023, 0.0000126) | 0.00186 (0.00072, 0.00378) | 0.3 (0.1, 0.6)    | 0.000006 (0.0000021, 0.0000133)  | 0.00131 (0.00051, 0.00274) |
| Kepulauan Riau | Self-harm                                     | 40  | 0.6 (0.2, 1.3)    | 0.00001 (0.0000037, 0.0000213)   | 0.00308 (0.00111, 0.00653) | 0.4 (0.1, 0.8)    | 0.0000079 (0.0000027, 0.0000172) | 0.00171 (0.00058, 0.00370) |
| Kepulauan Riau | Transport injuries                            | 40  | 12.1 (6.2, 20.0)  | 0.0001932 (0.0000990, 0.0003194) | 0.05923 (0.03153, 0.09413) | 5.8 (2.7, 10.0)   | 0.0001247 (0.0000576, 0.0002162) | 0.02706 (0.01297, 0.04706) |
| Kepulauan Riau | Other unintentional injuries                  | 40  | 2.3 (1.0, 4.4)    | 0.0000373 (0.0000161, 0.0000696) | 0.01145 (0.00538, 0.02083) | 1.2 (0.5, 2.6)    | 0.0000265 (0.0000103, 0.0000557) | 0.00574 (0.00244, 0.01091) |
| Kepulauan Riau | Diarrheal diseases                            | 45  | 2.1 (0.7, 4.9)    | 0.0000508 (0.0000165, 0.0001206) | 0.0113 (0.00386, 0.02567)  | 4.0 (1.5, 8.5)    | 0.0001216 (0.0000442, 0.0002594) | 0.01739 (0.00673, 0.03648) |
| Kepulauan Riau | HIV/AIDS                                      | 45  | 2.2 (0.6, 5.8)    | 0.0000556 (0.0000137, 0.0001441) | 0.01232 (0.00316, 0.02982) | 3.0 (0.8, 7.4)    | 0.0000902 (0.0000243, 0.0002240) | 0.01296 (0.00358, 0.03118) |
| Kepulauan Riau | Lower respiratory infections                  | 45  | 1.6 (0.6, 3.2)    | 0.000039 (0.0000159, 0.0000788)  | 0.00869 (0.00363, 0.01625) | 2.1 (0.9, 4.2)    | 0.0000653 (0.0000263, 0.0001292) | 0.00933 (0.00391, 0.01770) |
| Kepulauan Riau | Malaria                                       | 45  | 1.3 (0.1, 5.3)    | 0.0000332 (0.0000014, 0.0001322) | 0.00735 (0.00030, 0.02899) | 1.4 (0.1, 6.1)    | 0.0000423 (0.0000016, 0.0001861) | 0.00601 (0.00025, 0.02805) |
| Kepulauan Riau | Tuberculosis                                  | 45  | 13.8 (8.3, 20.9)  | 0.0003426 (0.0002063, 0.0005187) | 0.07611 (0.05051, 0.10432) | 12.4 (7.2, 19.2)  | 0.0003781 (0.0002195, 0.0005858) | 0.05396 (0.03377, 0.07659) |
| Kepulauan Riau | Maternal disorders                            | 45  |                   |                                  |                            | 0.7 (0.3, 1.4)    | 0.0000214 (0.0000092, 0.0000419) | 0.00306 (0.00140, 0.00584) |
| Kepulauan Riau | Other communicable diseases                   | 45  | 6.2 (2.5, 10.8)   | 0.0001539 (0.0000610, 0.0002684) | 0.03424 (0.01419, 0.05600) | 9.3 (4.3, 15.4)   | 0.0002843 (0.0001324, 0.0004700) | 0.04069 (0.02002, 0.06418) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 45  | 6.5 (3.2, 11.6)   | 0.0001611 (0.0000792, 0.0002882) | 0.03586 (0.01782, 0.06168) | 4.3 (1.9, 8.0)    | 0.0001313 (0.0000573, 0.0002436) | 0.01873 (0.00874, 0.03352) |
| Kepulauan Riau | Breast cancer                                 | 45  | 0.2 (0.0, 0.4)    | 0.000004 (0.0000010, 0.0000106)  | 0.00089 (0.00023, 0.00220) | 10.5 (4.6, 18.1)  | 0.0003203 (0.0001408, 0.0005520) | 0.04583 (0.02159, 0.07816) |
| Kepulauan Riau | Cervical cancer                               | 45  |                   |                                  |                            | 8.8 (3.3, 17.9)   | 0.0002688 (0.0000998, 0.0005451) | 0.03842 (0.01496, 0.07496) |
| Kepulauan Riau | Other malignant neoplasms                     | 45  | 10.2 (5.7, 16.2)  | 0.0002518 (0.0001414, 0.0004009) | 0.05596 (0.03446, 0.08476) | 7.6 (3.5, 13.5)   | 0.0002312 (0.0001056, 0.0004109) | 0.03304 (0.01571, 0.05781) |
| Kepulauan Riau | Cerebrovascular disease                       | 45  | 30.1 (21.1, 41.6) | 0.0007466 (0.0005235, 0.0010294) | 0.16595 (0.13203, 0.20170) | 47.1 (34.3, 62.5) | 0.0014331 (0.0010439, 0.0019040) | 0.20483 (0.16522, 0.24628) |
| Kepulauan Riau | Ischemic heart disease                        | 45  | 35.7 (25.3, 49.2) | 0.0008853 (0.0006268, 0.0012186) | 0.19686 (0.15666, 0.24125) | 31.9 (21.5, 43.6) | 0.0009707 (0.0006541, 0.0013274) | 0.13882 (0.10161, 0.17984) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 45  | 5.8 (3.1, 10.2)   | 0.0001439 (0.0000780, 0.0002518) | 0.03197 (0.01851, 0.05221) | 10.1 (5.6, 17.1)  | 0.0003086 (0.0001716, 0.0005207) | 0.04406 (0.02604, 0.07007) |
| Kepulauan Riau | Diabetes mellitus                             | 45  | 17.7 (11.9, 25.1) | 0.0004381 (0.0002946, 0.0006223) | 0.09746 (0.07083, 0.12743) | 27.5 (18.7, 38.3) | 0.000838 (0.0005681, 0.0011651)  | 0.11982 (0.08631, 0.15646) |
| Kepulauan Riau | Chronic kidney disease                        | 45  | 8.4 (5.3, 12.7)   | 0.0002081 (0.0001320, 0.0003136) | 0.04625 (0.03118, 0.06479) | 9.7 (5.9, 15.2)   | 0.0002968 (0.0001802, 0.0004636) | 0.04237 (0.02765, 0.06250) |
| Kepulauan Riau | Cirrhosis                                     | 45  | 10.2 (6.0, 16.4)  | 0.0002529 (0.0001484, 0.0004059) | 0.05609 (0.03633, 0.08297) | 9.1 (5.4, 14.2)   | 0.0002766 (0.0001633, 0.0004330) | 0.03956 (0.02503, 0.06049) |
| Kepulauan Riau | Chronic respiratory diseases                  | 45  | 4.8 (2.7, 7.7)    | 0.0001186 (0.0000663, 0.0001912) | 0.0264 (0.01583, 0.03973)  | 4.7 (2.6, 7.5)    | 0.0001431 (0.0000787, 0.0002293) | 0.02044 (0.01209, 0.03200) |
| Kepulauan Riau | Other non-communicable diseases               | 45  | 9.9 (6.6, 14.8)   | 0.0002443 (0.0001646, 0.0003655) | 0.05429 (0.03862, 0.07387) | 15.4 (9.8, 22.7)  | 0.0004688 (0.0002783, 0.0006900) | 0.06697 (0.04772, 0.08981) |
| Kepulauan Riau | Drowning                                      | 45  | 0.4 (0.1, 1.5)    | 0.0000095 (0.0000014, 0.0000363) | 0.00212 (0.00032, 0.00740) | 0.3 (0.0, 1.2)    | 0.00001 (0.0000014, 0.0000357)   | 0.00142 (0.00020, 0.00555) |
| Kepulauan Riau | Falls                                         | 45  | 2.6 (1.0, 5.4)    | 0.0000638 (0.0000260, 0.0001343) | 0.01418 (0.00622, 0.02760) | 2.4 (1.0, 5.2)    | 0.0000737 (0.0000299, 0.0001571) | 0.01053 (0.00457, 0.02090) |
| Kepulauan Riau | Interpersonal violence                        | 45  | 0.2 (0.1, 0.5)    | 0.0000059 (0.0000022, 0.0000123) | 0.00131 (0.00050, 0.00265) | 0.2 (0.1, 0.4)    | 0.0000061 (0.0000022, 0.0000133) | 0.00088 (0.00032, 0.00192) |
| Kepulauan Riau | Self-harm                                     | 45  | 0.4 (0.2, 1.0)    | 0.0000109 (0.0000038, 0.0000236) | 0.00243 (0.00090, 0.00513) | 0.3 (0.1, 0.6)    | 0.0000088 (0.0000029, 0.0000198) | 0.00125 (0.00043, 0.00283) |
| Kepulauan Riau | Transport injuries                            | 45  | 9.6 (4.9, 15.9)   | 0.000237 (0.0001214, 0.0003927)  | 0.05277 (0.02779, 0.08543) | 5.7 (2.5, 10.1)   | 0.0001747 (0.0000772, 0.0003087) | 0.025 (0.01185, 0.04412)   |
| Kepulauan Riau | Other unintentional injuries                  | 45  | 1.7 (0.7, 3.3)    | 0.0000414 (0.0000181, 0.0000806) | 0.00921 (0.00414, 0.01677) | 1.1 (0.4, 2.2)    | 0.0000325 (0.0000129, 0.0000668) | 0.00464 (0.00197, 0.00896) |
| Kepulauan Riau | Diarrheal diseases                            | 50  | 3.1 (1.1, 6.8)    | 0.0001032 (0.0000362, 0.0002258) | 0.0151 (0.00546, 0.03225)  | 5.2 (2.1, 10.0)   | 0.0002151 (0.0000864, 0.0004178) | 0.02081 (0.00886, 0.03973) |
| Kepulauan Riau | HIV/AIDS                                      | 50  | 1.0 (0.2, 2.8)    | 0.0000332 (0.0000072, 0.0000930) | 0.00484 (0.00109, 0.01345) | 1.3 (0.3, 3.8)    | 0.0000558 (0.0000129, 0.0001563) | 0.00543 (0.00129, 0.01493) |
| Kepulauan Riau | Lower respiratory infections                  | 50  | 2.1 (0.8, 4.1)    | 0.0000698 (0.0000281, 0.0001380) | 0.01022 (0.00448, 0.01878) | 3.0 (1.3, 5.7)    | 0.0001244 (0.0000520, 0.0002350) | 0.01204 (0.00528, 0.02199) |
| Kepulauan Riau | Malaria                                       | 50  | 1.5 (0.1, 6.0)    | 0.0000488 (0.0000019, 0.0002007) | 0.00712 (0.00028, 0.03113) | 1.3 (0.0, 5.8)    | 0.000053 (0.0000018, 0.0002401)  | 0.00509 (0.00019, 0.02419) |
| Kepulauan Riau | Tuberculosis                                  | 50  | 14.1 (8.2, 21.7)  | 0.0004712 (0.0002758, 0.0007252) | 0.06878 (0.04415, 0.09669) | 13.1 (7.9, 20.3)  | 0.0005461 (0.0003293, 0.0008446) | 0.05277 (0.03326, 0.07687) |
| Kepulauan Riau | Maternal disorders                            | 50  |                   |                                  |                            | 0.3 (0.1, 0.8)    | 0.000014 (0.0000041, 0.0000334)  | 0.00136 (0.00042, 0.00337) |
| Kepulauan Riau | Other communicable diseases                   | 50  | 7.4 (3.0, 13.0)   | 0.0002469 (0.0001019, 0.0004339) | 0.03614 (0.01521, 0.06000) | 9.6 (4.6, 16.3)   | 0.0003998 (0.0001910, 0.0006772) | 0.03871 (0.01902, 0.06170) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 50  | 9.9 (5.0, 16.5)   | 0.0003295 (0.0001677, 0.0005531) | 0.04821 (0.02535, 0.07609) | 4.6 (2.1, 8.6)    | 0.0001915 (0.0000890, 0.0003595) | 0.0185 (0.00877, 0.03319)  |
| Kepulauan Riau | Breast cancer                                 | 50  | 0.2 (0.1, 0.4)    | 0.000006 (0.0000017, 0.0000149)  | 0.00088 (0.00025, 0.00212) | 7.7 (3.2, 13.8)   | 0.0003214 (0.0001314, 0.0005740) | 0.03114 (0.01317, 0.05580) |
| Kepulauan Riau | Cervical cancer                               | 50  |                   |                                  |                            | 8.3 (3.2, 16.5)   | 0.0003462 (0.0001331, 0.0006858) | 0.03349 (0.01263, 0.06505) |
| Kepulauan Riau | Other malignant neoplasms                     | 50  | 9.7 (5.4, 15.8)   | 0.0003249 (0.0001805, 0.0005277) | 0.04747 (0.02886, 0.07231) | 6.6 (2.9, 12.3)   | 0.0002756 (0.0001222, 0.0005106) | 0.02666 (0.01244, 0.04599) |
| Kepulauan Riau | Cerebrovascular disease                       | 50  | 39.3 (28.4, 54.3) | 0.0013134 (0.0009493, 0.0018166) | 0.19197 (0.15562, 0.22856) | 58.8 (43.3, 76.5) | 0.002445 (0.0018007, 0.0031818)  | 0.23655 (0.19445, 0.27987) |
| Kepulauan Riau | Ischemic heart disease                        | 50  | 38.5 (26.7, 52.8) | 0.0012861 (0.0008931, 0.0017645) | 0.18808 (0.14889, 0.23259) | 34.5 (23.5, 47.3) | 0.0014347 (0.0009785, 0.0019656) | 0.13888 (0.10182, 0.17956) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 50  | 7.6 (4.2, 13.0)   | 0.0002535 (0.0001388, 0.0004332) | 0.03702 (0.02155, 0.05890) | 12.3 (6.8, 20.3)  | 0.0005104 (0.0002836, 0.0008448) | 0.04932 (0.02884, 0.07870) |
| Kepulauan Riau | Diabetes mellitus                             | 50  | 22.5 (15.2, 31.4) | 0.0007524 (0.0005088, 0.0010494) | 0.11007 (0.07969, 0.14210) | 33.7 (23.1, 45.7) | 0.0013992 (0.0009614, 0.0019008) | 0.13544 (0.09892, 0.17503) |
| Kepulauan Riau | Chronic kidney disease                        | 50  | 8.3 (5.3, 12.6)   | 0.0002788 (0.0001774, 0.0004211) | 0.04078 (0.02715, 0.05744) | 9.3 (5.6, 14.6)   | 0.0003864 (0.0002340, 0.0006055) | 0.03735 (0.02411, 0.05528) |
| Kepulauan Riau | Cirrhosis                                     | 50  | 10.7 (6.2, 17.1)  | 0.000357 (0.0002087, 0.0005729)  | 0.05211 (0.03372, 0.07694) | 9.2 (5.5, 14.4)   | 0.0003845 (0.0002267, 0.0005986) | 0.03724 (0.02353, 0.05684) |
| Kepulauan Riau | Chronic respiratory diseases                  | 50  | 6.1 (3.4, 10.0)   | 0.0002035 (0.0001129, 0.0003348) | 0.02976 (0.01766, 0.04555) | 6.3 (3.6, 9.9)    | 0.0002633 (0.0001517, 0.0004100) | 0.02547 (0.01570, 0.03863) |
| Kepulauan Riau | Other non-communicable diseases               | 50  | 10.2 (6.8, 15.5)  | 0.0003425 (0.0002261, 0.0005178) | 0.05004 (0.03514, 0.06812) | 15.2 (9.6, 21.8)  | 0.0006304 (0.0004000, 0.0009078) | 0.06095 (0.04212, 0.08287) |
| Kepulauan Riau | Drowning                                      | 50  | 0.3 (0.0, 1.1)    | 0.0000099 (0.0000014, 0.0000305) | 0.00144 (0.00023, 0.00514) | 0.2 (0.0, 0.8)    | 0.0000101 (0.0000014, 0.0000343) | 0.00097 (0.00014, 0.00337) |
| Kepulauan Riau | Falls                                         | 50  | 3.0 (1.2, 6.0)    | 0.0000999 (0.0000402, 0.0002068) | 0.01458 (0.00633, 0.02758) | 2.6 (1.1, 5.2)    | 0.0001101 (0.0000455, 0.0002175) | 0.01064 (0.00482, 0.02062) |
| Kepulauan Riau | Interpersonal violence                        | 50  | 0.2 (0.1, 0.3)    | 0.0000056 (0.0000021, 0.0000116) | 0.00082 (0.00032, 0.00162) | 0.1 (0.0, 0.3)    | 0.0000054 (0.0000018, 0.0000121) | 0.00052 (0.00019, 0.00116) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females            |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Self-harm                                     | 50  | 0.3 (0.1, 0.7)    | 0.0000113 (0.0000041, 0.0000245) | 0.00166 (0.00062, 0.00350) | 0.2 (0.1, 0.5)     | 0.0000084 (0.0000028, 0.0000190) | 0.00081 (0.00027, 0.00178) |
| Kepulauan Riau | Transport injuries                            | 50  | 7.5 (3.6, 12.8)   | 0.0002498 (0.0001213, 0.0004269) | 0.03653 (0.01883, 0.05982) | 4.2 (1.8, 7.3)     | 0.0001729 (0.0000749, 0.0003044) | 0.01675 (0.00772, 0.02972) |
| Kepulauan Riau | Other unintentional injuries                  | 50  | 1.3 (0.6, 2.6)    | 0.0000437 (0.0000195, 0.0000858) | 0.00639 (0.00294, 0.01214) | 0.8 (0.3, 1.7)     | 0.0000321 (0.0000129, 0.0000692) | 0.00311 (0.00130, 0.00627) |
| Kepulauan Riau | Diarrheal diseases                            | 55  | 3.1 (1.1, 6.4)    | 0.0001594 (0.0000573, 0.0003291) | 0.0159 (0.00618, 0.03341)  | 5.9 (2.4, 11.1)    | 0.0003299 (0.0001356, 0.0006270) | 0.02155 (0.00938, 0.04025) |
| Kepulauan Riau | HIV/AIDS                                      | 55  | 0.4 (0.1, 1.2)    | 0.0000205 (0.0000038, 0.0000595) | 0.00204 (0.00041, 0.00619) | 0.6 (0.1, 1.8)     | 0.0000345 (0.0000073, 0.0001008) | 0.00227 (0.00047, 0.00679) |
| Kepulauan Riau | Lower respiratory infections                  | 55  | 2.1 (0.9, 4.2)    | 0.00011 (0.0000462, 0.0002166)   | 0.01098 (0.00481, 0.02039) | 3.4 (1.5, 6.5)     | 0.0001929 (0.0000841, 0.0003653) | 0.01261 (0.00565, 0.02225) |
| Kepulauan Riau | Malaria                                       | 55  | 1.3 (0.1, 5.3)    | 0.0000659 (0.0000027, 0.0002722) | 0.00655 (0.00027, 0.02907) | 1.3 (0.0, 6.1)     | 0.0000728 (0.0000024, 0.0003418) | 0.00472 (0.00017, 0.02241) |
| Kepulauan Riau | Tuberculosis                                  | 55  | 11.6 (6.8, 18.3)  | 0.0005978 (0.0003512, 0.0009440) | 0.05951 (0.03856, 0.08427) | 12.5 (7.4, 19.4)   | 0.0007025 (0.0004195, 0.0010916) | 0.04584 (0.02943, 0.06601) |
| Kepulauan Riau | Other communicable diseases                   | 55  | 6.6 (2.8, 12.0)   | 0.0003417 (0.0001438, 0.0006164) | 0.03407 (0.01461, 0.05712) | 9.7 (4.6, 16.5)    | 0.0005447 (0.0002592, 0.0009286) | 0.03562 (0.01726, 0.05822) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 55  | 8.3 (4.3, 14.4)   | 0.0004303 (0.0002209, 0.0007398) | 0.04294 (0.02296, 0.06788) | 4.3 (1.9, 8.3)     | 0.0002452 (0.0001077, 0.0004671) | 0.016 (0.00744, 0.02874)   |
| Kepulauan Riau | Breast cancer                                 | 55  | 0.2 (0.0, 0.4)    | 0.0000079 (0.0000021, 0.0000193) | 0.00079 (0.00021, 0.00192) | 6.0 (2.3, 11.3)    | 0.0003356 (0.0001300, 0.0006345) | 0.02195 (0.00860, 0.04039) |
| Kepulauan Riau | Cervical cancer                               | 55  |                   |                                  |                            | 6.3 (2.3, 12.8)    | 0.0003572 (0.0001281, 0.0007189) | 0.02332 (0.00851, 0.04558) |
| Kepulauan Riau | Other malignant neoplasms                     | 55  | 6.7 (3.6, 11.2)   | 0.0003431 (0.0001844, 0.0005752) | 0.03418 (0.02022, 0.05236) | 5.9 (2.6, 10.6)    | 0.0003336 (0.0001467, 0.0005992) | 0.0218 (0.01012, 0.03793)  |
| Kepulauan Riau | Cerebrovascular disease                       | 55  | 42.6 (30.5, 60.2) | 0.0021982 (0.0015712, 0.0031044) | 0.2191 (0.18006, 0.25867)  | 72.3 (54.4, 93.8)  | 0.0040776 (0.0030658, 0.0052876) | 0.26645 (0.22171, 0.31275) |
| Kepulauan Riau | Ischemic heart disease                        | 55  | 40.0 (27.7, 55.1) | 0.0020598 (0.0014272, 0.0028415) | 0.20543 (0.16342, 0.24744) | 41.6 (28.7, 56.3)  | 0.0023467 (0.0016168, 0.0031743) | 0.1534 (0.11376, 0.19481)  |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 55  | 7.8 (4.2, 13.3)   | 0.0004031 (0.0002160, 0.0006849) | 0.04015 (0.02360, 0.06467) | 14.5 (8.1, 24.2)   | 0.0008176 (0.0004572, 0.0013636) | 0.05336 (0.03188, 0.08454) |
| Kepulauan Riau | Diabetes mellitus                             | 55  | 22.0 (14.9, 31.0) | 0.0011339 (0.0007656, 0.0015967) | 0.11315 (0.08288, 0.14431) | 37.9 (26.2, 51.5)  | 0.002137 (0.0014775, 0.0029008)  | 0.13969 (0.10340, 0.17902) |
| Kepulauan Riau | Chronic kidney disease                        | 55  | 7.3 (4.7, 11.2)   | 0.0003778 (0.0002433, 0.0005751) | 0.03769 (0.02552, 0.05292) | 9.5 (5.7, 15.1)    | 0.0005343 (0.0003238, 0.0008524) | 0.03488 (0.02231, 0.05190) |
| Kepulauan Riau | Cirrhosis                                     | 55  | 9.1 (5.3, 14.7)   | 0.0004712 (0.0002742, 0.0007591) | 0.04689 (0.03013, 0.07059) | 9.0 (5.4, 14.0)    | 0.0005068 (0.0003035, 0.0007888) | 0.03314 (0.02090, 0.05076) |
| Kepulauan Riau | Chronic respiratory diseases                  | 55  | 6.3 (3.5, 10.2)   | 0.0003253 (0.0001813, 0.0005233) | 0.03244 (0.02009, 0.04856) | 7.5 (4.5, 11.5)    | 0.0004214 (0.0002540, 0.0006470) | 0.02753 (0.01735, 0.04201) |
| Kepulauan Riau | Other non-communicable diseases               | 55  | 9.8 (6.6, 14.7)   | 0.0005063 (0.0003381, 0.0007577) | 0.05045 (0.03554, 0.06771) | 16.6 (10.6, 23.8)  | 0.0009366 (0.0005981, 0.0013405) | 0.06116 (0.04380, 0.08178) |
| Kepulauan Riau | Drowning                                      | 55  | 0.2 (0.0, 0.8)    | 0.0000111 (0.0000016, 0.0000431) | 0.00111 (0.00016, 0.00417) | 0.2 (0.0, 0.6)     | 0.0000104 (0.0000014, 0.0000363) | 0.00068 (0.00009, 0.00236) |
| Kepulauan Riau | Falls                                         | 55  | 3.1 (1.3, 6.0)    | 0.0001582 (0.0000655, 0.0003070) | 0.01575 (0.00693, 0.02870) | 2.9 (1.2, 5.5)     | 0.0001617 (0.0000696, 0.0003114) | 0.01056 (0.00475, 0.01995) |
| Kepulauan Riau | Interpersonal violence                        | 55  | 0.1 (0.0, 0.2)    | 0.0000058 (0.0000021, 0.0000126) | 0.00058 (0.00021, 0.00122) | 0.1 (0.0, 0.2)     | 0.0000055 (0.0000018, 0.0000118) | 0.00036 (0.00012, 0.00078) |
| Kepulauan Riau | Self-harm                                     | 55  | 0.3 (0.1, 0.6)    | 0.0000132 (0.0000043, 0.0000293) | 0.00131 (0.00046, 0.00282) | 0.2 (0.1, 0.4)     | 0.0000096 (0.0000031, 0.0000221) | 0.00062 (0.00020, 0.00141) |
| Kepulauan Riau | Transport injuries                            | 55  | 4.7 (2.1, 8.5)    | 0.0002409 (0.0001071, 0.0004362) | 0.02402 (0.01115, 0.04239) | 2.8 (1.1, 5.3)     | 0.000156 (0.0000637, 0.0003006)  | 0.01021 (0.00428, 0.01929) |
| Kepulauan Riau | Other unintentional injuries                  | 55  | 1.0 (0.4, 1.9)    | 0.0000496 (0.0000208, 0.0000961) | 0.00496 (0.00212, 0.00958) | 0.6 (0.2, 1.3)     | 0.0000348 (0.0000134, 0.0000730) | 0.00227 (0.00089, 0.00467) |
| Kepulauan Riau | Diarrheal diseases                            | 60  | 3.6 (1.3, 7.2)    | 0.0002956 (0.0001070, 0.0005993) | 0.01738 (0.00652, 0.03397) | 6.4 (2.8, 11.7)    | 0.0005479 (0.0002341, 0.0009990) | 0.02397 (0.01078, 0.04195) |
| Kepulauan Riau | HIV/AIDS                                      | 60  | 0.3 (0.1, 0.9)    | 0.0000244 (0.0000044, 0.0000736) | 0.00143 (0.00026, 0.00437) | 0.4 (0.1, 1.3)     | 0.000036 (0.0000071, 0.0001071)  | 0.00159 (0.00032, 0.00461) |
| Kepulauan Riau | Lower respiratory infections                  | 60  | 3.1 (1.3, 5.8)    | 0.00026 (0.0001091, 0.0004831)   | 0.01529 (0.00722, 0.02725) | 5.0 (2.3, 9.0)     | 0.0004257 (0.0001972, 0.0007648) | 0.01864 (0.00877, 0.03203) |
| Kepulauan Riau | Malaria                                       | 60  | 1.3 (0.1, 5.4)    | 0.0001094 (0.0000044, 0.0004460) | 0.0064 (0.00028, 0.02707)  | 1.2 (0.0, 5.9)     | 0.0001027 (0.0000035, 0.0005043) | 0.00447 (0.00017, 0.02180) |
| Kepulauan Riau | Tuberculosis                                  | 60  | 14.3 (8.5, 21.9)  | 0.0011874 (0.0007056, 0.0018221) | 0.06962 (0.04600, 0.09567) | 14.5 (8.8, 22.2)   | 0.0012319 (0.0007455, 0.0018850) | 0.05385 (0.03427, 0.07676) |
| Kepulauan Riau | Other communicable diseases                   | 60  | 5.6 (2.2, 10.6)   | 0.0004644 (0.0001827, 0.0008796) | 0.02728 (0.01106, 0.04738) | 8.0 (3.5, 14.1)    | 0.0006774 (0.0003016, 0.0011997) | 0.02967 (0.01383, 0.05042) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 60  | 8.6 (4.4, 14.8)   | 0.000717 (0.0003637, 0.0012311)  | 0.04211 (0.02190, 0.06875) | 4.1 (1.7, 7.6)     | 0.0003448 (0.0001474, 0.0006453) | 0.01507 (0.00679, 0.02802) |
| Kepulauan Riau | Breast cancer                                 | 60  | 0.1 (0.0, 0.3)    | 0.0000113 (0.0000025, 0.0000282) | 0.00066 (0.00015, 0.00164) | 3.7 (1.3, 7.1)     | 0.0003119 (0.0001119, 0.0006059) | 0.01366 (0.00490, 0.02594) |
| Kepulauan Riau | Cervical cancer                               | 60  |                   |                                  |                            | 4.8 (1.7, 9.3)     | 0.000405 (0.0001413, 0.0007924)  | 0.01772 (0.00650, 0.03491) |
| Kepulauan Riau | Other malignant neoplasms                     | 60  | 6.3 (3.4, 10.4)   | 0.0005205 (0.0002841, 0.0008672) | 0.03052 (0.01794, 0.04709) | 5.2 (2.4, 9.1)     | 0.0004412 (0.0002011, 0.0007721) | 0.01931 (0.00884, 0.03303) |
| Kepulauan Riau | Cerebrovascular disease                       | 60  | 48.2 (35.1, 67.4) | 0.0040017 (0.0029134, 0.0055992) | 0.23485 (0.19494, 0.27456) | 77.3 (59.4, 98.5)  | 0.0065738 (0.0050503, 0.0083784) | 0.28762 (0.24076, 0.33422) |
| Kepulauan Riau | Ischemic heart disease                        | 60  | 40.4 (28.2, 55.0) | 0.003357 (0.0023418, 0.0045744)  | 0.19714 (0.15490, 0.24008) | 41.9 (29.4, 57.2)  | 0.0035664 (0.0024973, 0.0048685) | 0.1561 (0.11564, 0.20021)  |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 60  | 8.9 (4.9, 15.2)   | 0.0007403 (0.0004040, 0.0012608) | 0.04342 (0.02568, 0.06867) | 14.7 (8.2, 24.0)   | 0.0012504 (0.0007000, 0.0020435) | 0.05468 (0.03238, 0.08554) |
| Kepulauan Riau | Diabetes mellitus                             | 60  | 20.2 (13.7, 28.7) | 0.0016802 (0.0011363, 0.0023873) | 0.09871 (0.07200, 0.12843) | 32.5 (22.7, 44.0)  | 0.0027652 (0.0019301, 0.0037381) | 0.12106 (0.09008, 0.15576) |
| Kepulauan Riau | Chronic kidney disease                        | 60  | 6.9 (4.4, 10.6)   | 0.0005716 (0.0003653, 0.0008795) | 0.03357 (0.02282, 0.04733) | 8.1 (4.9, 12.6)    | 0.0006915 (0.0004192, 0.0010715) | 0.03024 (0.01916, 0.04509) |
| Kepulauan Riau | Cirrhosis                                     | 60  | 8.1 (4.7, 13.1)   | 0.0006756 (0.0003923, 0.0010882) | 0.03959 (0.02534, 0.05933) | 7.7 (4.6, 12.1)    | 0.0006536 (0.0003923, 0.0010284) | 0.02861 (0.01781, 0.04402) |
| Kepulauan Riau | Chronic respiratory diseases                  | 60  | 10.0 (5.9, 15.5)  | 0.000829 (0.0004894, 0.0012900)  | 0.04867 (0.03138, 0.07099) | 10.0 (6.0, 14.9)   | 0.0008477 (0.0005121, 0.0012706) | 0.03709 (0.02412, 0.05420) |
| Kepulauan Riau | Other non-communicable diseases               | 60  | 11.4 (7.6, 16.9)  | 0.0009492 (0.0006320, 0.0014052) | 0.0557 (0.03956, 0.07592)  | 17.8 (11.7, 24.9)  | 0.0015142 (0.0009921, 0.0021136) | 0.06622 (0.04800, 0.08849) |
| Kepulauan Riau | Drowning                                      | 60  | 0.2 (0.0, 0.6)    | 0.0000136 (0.0000018, 0.0000490) | 0.0008 (0.00011, 0.00301)  | 0.1 (0.0, 0.5)     | 0.0000126 (0.0000014, 0.0000468) | 0.00055 (0.00006, 0.00201) |
| Kepulauan Riau | Falls                                         | 60  | 2.6 (1.1, 5.1)    | 0.0002169 (0.0000921, 0.0004264) | 0.01272 (0.00572, 0.02252) | 2.5 (1.1, 4.7)     | 0.0002087 (0.0000908, 0.0004024) | 0.00913 (0.00414, 0.01689) |
| Kepulauan Riau | Interpersonal violence                        | 60  | 0.1 (0.0, 0.2)    | 0.0000063 (0.0000022, 0.0000149) | 0.00037 (0.00013, 0.00082) | 0.1 (0.0, 0.1)     | 0.000005 (0.0000016, 0.0000123)  | 0.00022 (0.00007, 0.00053) |
| Kepulauan Riau | Self-harm                                     | 60  | 0.2 (0.1, 0.5)    | 0.0000161 (0.0000055, 0.0000385) | 0.00095 (0.00033, 0.00209) | 0.1 (0.0, 0.3)     | 0.0000096 (0.0000030, 0.0000228) | 0.00042 (0.00014, 0.00099) |
| Kepulauan Riau | Transport injuries                            | 60  | 3.9 (1.8, 7.3)    | 0.0003247 (0.0001458, 0.0006103) | 0.01907 (0.00896, 0.03462) | 2.3 (0.9, 4.4)     | 0.0001917 (0.0000767, 0.0003715) | 0.00841 (0.00348, 0.01654) |
| Kepulauan Riau | Other unintentional injuries                  | 60  | 0.8 (0.3, 1.5)    | 0.0000639 (0.0000263, 0.0001263) | 0.00376 (0.00163, 0.00742) | 0.5 (0.2, 1.0)     | 0.0000395 (0.0000151, 0.0000835) | 0.00173 (0.00070, 0.00355) |
| Kepulauan Riau | Diarrheal diseases                            | 65  | 5.9 (2.5, 11.1)   | 0.0006682 (0.0002776, 0.0012551) | 0.02761 (0.01174, 0.05003) | 10.2 (5.0, 17.5)   | 0.0012537 (0.0006147, 0.0021459) | 0.03709 (0.01903, 0.06166) |
| Kepulauan Riau | HIV/AIDS                                      | 65  | 0.3 (0.1, 0.8)    | 0.0000326 (0.0000058, 0.0000959) | 0.00134 (0.00026, 0.00396) | 0.4 (0.1, 1.2)     | 0.0000488 (0.0000094, 0.0001462) | 0.00145 (0.00029, 0.00431) |
| Kepulauan Riau | Lower respiratory infections                  | 65  | 3.8 (1.6, 7.1)    | 0.0004268 (0.0001857, 0.0008002) | 0.01764 (0.00821, 0.03223) | 5.9 (2.8, 10.4)    | 0.0007196 (0.0003440, 0.0012692) | 0.0213 (0.01008, 0.03741)  |
| Kepulauan Riau | Malaria                                       | 65  | 1.4 (0.1, 6.2)    | 0.0001584 (0.0000061, 0.0006977) | 0.00651 (0.00025, 0.02967) | 1.2 (0.0, 6.1)     | 0.0001459 (0.0000049, 0.0007461) | 0.00429 (0.00015, 0.02235) |
| Kepulauan Riau | Tuberculosis                                  | 65  | 15.2 (8.9, 23.9)  | 0.0017189 (0.0010057, 0.0027069) | 0.07083 (0.04647, 0.09867) | 14.5 (8.8, 22.2)   | 0.0017776 (0.0010764, 0.0027196) | 0.05254 (0.03211, 0.07707) |
| Kepulauan Riau | Other communicable diseases                   | 65  | 5.6 (2.2, 10.6)   | 0.0006339 (0.0002488, 0.0012016) | 0.02617 (0.01044, 0.04745) | 7.7 (3.1, 14.2)    | 0.000947 (0.0003827, 0.0017423)  | 0.02804 (0.01144, 0.05030) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 65  | 7.9 (3.8, 13.9)   | 0.000891 (0.0004353, 0.0015691)  | 0.03677 (0.01874, 0.06211) | 3.3 (1.4, 6.2)     | 0.0003992 (0.0001708, 0.0007604) | 0.0118 (0.00523, 0.02247)  |
| Kepulauan Riau | Breast cancer                                 | 65  | 0.1 (0.0, 0.3)    | 0.0000112 (0.0000024, 0.0000296) | 0.00046 (0.00010, 0.00123) | 2.6 (1.0, 5.0)     | 0.0003161 (0.0001200, 0.0006151) | 0.00935 (0.00345, 0.01773) |
| Kepulauan Riau | Cervical cancer                               | 65  |                   |                                  |                            | 3.6 (1.2, 7.5)     | 0.0004359 (0.0001425, 0.0009207) | 0.0129 (0.00447, 0.02676)  |
| Kepulauan Riau | Other malignant neoplasms                     | 65  | 5.2 (2.8, 8.7)    | 0.0005835 (0.0003132, 0.0009892) | 0.02406 (0.01381, 0.03752) | 4.9 (2.2, 8.5)     | 0.0006052 (0.0002727, 0.0010416) | 0.0179 (0.00856, 0.02987)  |
| Kepulauan Riau | Cerebrovascular disease                       | 65  | 53.3 (39.4, 74.6) | 0.0060263 (0.0044598, 0.0084451) | 0.24866 (0.20790, 0.28946) | 83.9 (65.1, 105.4) | 0.0102772 (0.0079800, 0.0129186) | 0.30402 (0.25675, 0.35155) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females            |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Ischemic heart disease                        | 65  | 41.6 (28.7, 57.4) | 0.0047033 (0.0032477, 0.0064993) | 0.19422 (0.15271, 0.23865) | 41.9 (29.5, 56.5)  | 0.0051302 (0.0036188, 0.0069204) | 0.15183 (0.11151, 0.19552) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 65  | 10.4 (5.6, 17.6)  | 0.0011787 (0.0006387, 0.0019918) | 0.0486 (0.02887, 0.07695)  | 16.8 (9.7, 27.0)   | 0.0020536 (0.0011835, 0.0033056) | 0.06071 (0.03620, 0.09546) |
| Kepulauan Riau | Diabetes mellitus                             | 65  | 17.2 (11.6, 24.4) | 0.0019444 (0.0013073, 0.0027571) | 0.08034 (0.05775, 0.10481) | 27.3 (18.7, 37.2)  | 0.003347 (0.0022898, 0.0045593)  | 0.09905 (0.07162, 0.12837) |
| Kepulauan Riau | Chronic kidney disease                        | 65  | 6.7 (4.2, 10.5)   | 0.0007635 (0.0004782, 0.0011879) | 0.03152 (0.02158, 0.04426) | 7.8 (4.7, 11.8)    | 0.0009535 (0.0005738, 0.0014473) | 0.02819 (0.01780, 0.04165) |
| Kepulauan Riau | Cirrhosis                                     | 65  | 6.8 (3.9, 11.1)   | 0.000764 (0.0004390, 0.0012521)  | 0.03147 (0.02031, 0.04756) | 6.4 (3.8, 10.1)    | 0.0007792 (0.0004610, 0.0012373) | 0.02306 (0.01450, 0.03585) |
| Kepulauan Riau | Chronic respiratory diseases                  | 65  | 12.3 (7.5, 19.1)  | 0.0013894 (0.0008463, 0.0021558) | 0.05735 (0.03835, 0.08142) | 11.9 (7.2, 17.4)   | 0.0014534 (0.0008856, 0.0021356) | 0.04298 (0.02815, 0.06183) |
| Kepulauan Riau | Other non-communicable diseases               | 65  | 13.6 (9.1, 20.6)  | 0.0015407 (0.0010331, 0.0023274) | 0.06355 (0.04555, 0.08517) | 20.8 (14.2, 29.1)  | 0.0025471 (0.0017388, 0.0035675) | 0.0753 (0.05507, 0.09988)  |
| Kepulauan Riau | Drowning                                      | 65  | 0.1 (0.0, 0.5)    | 0.0000153 (0.0000018, 0.0000522) | 0.00063 (0.00008, 0.00216) | 0.1 (0.0, 0.5)     | 0.0000151 (0.0000015, 0.0000565) | 0.00045 (0.00005, 0.00163) |
| Kepulauan Riau | Falls                                         | 65  | 2.7 (1.1, 5.6)    | 0.0003096 (0.0001284, 0.0006287) | 0.01277 (0.00586, 0.02413) | 2.5 (1.2, 4.8)     | 0.0003107 (0.0001423, 0.0005934) | 0.00919 (0.00421, 0.01748) |
| Kepulauan Riau | Interpersonal violence                        | 65  | 0.1 (0.0, 0.1)    | 0.0000065 (0.0000021, 0.0000161) | 0.00027 (0.00009, 0.00064) | - (0.0, 0.1)       | 0.0000051 (0.0000014, 0.0000135) | 0.00015 (0.00005, 0.00038) |
| Kepulauan Riau | Self-harm                                     | 65  | 0.2 (0.1, 0.4)    | 0.000019 (0.0000065, 0.0000444)  | 0.00079 (0.00028, 0.00178) | 0.1 (0.0, 0.2)     | 0.0000111 (0.0000035, 0.0000267) | 0.00033 (0.00011, 0.00078) |
| Kepulauan Riau | Transport injuries                            | 65  | 3.2 (1.3, 6.2)    | 0.0003673 (0.0001510, 0.0006978) | 0.01517 (0.00660, 0.02723) | 1.8 (0.7, 3.5)     | 0.000223 (0.0000851, 0.0004348)  | 0.00661 (0.00257, 0.01288) |
| Kepulauan Riau | Other unintentional injuries                  | 65  | 0.7 (0.3, 1.4)    | 0.0000786 (0.0000320, 0.0001546) | 0.00325 (0.00138, 0.00628) | 0.4 (0.2, 0.9)     | 0.0000493 (0.0000186, 0.0001060) | 0.00146 (0.00056, 0.00304) |
| Kepulauan Riau | Diarrheal diseases                            | 70  | 7.4 (3.5, 13.1)   | 0.0014465 (0.0006797, 0.0025532) | 0.03762 (0.01845, 0.06335) | 13.4 (7.2, 21.7)   | 0.0026479 (0.0014245, 0.0043057) | 0.04931 (0.02736, 0.07855) |
| Kepulauan Riau | HIV/AIDS                                      | 70  | 0.4 (0.1, 1.0)    | 0.0000687 (0.0000122, 0.0001940) | 0.00178 (0.00033, 0.00516) | 0.5 (0.1, 1.5)     | 0.0000988 (0.0000194, 0.0002923) | 0.00184 (0.00037, 0.00562) |
| Kepulauan Riau | Lower respiratory infections                  | 70  | 4.4 (2.0, 8.1)    | 0.0008641 (0.0003848, 0.0015850) | 0.0225 (0.01043, 0.04006)  | 7.4 (3.5, 12.5)    | 0.0014628 (0.0006863, 0.0024838) | 0.02725 (0.01293, 0.04622) |
| Kepulauan Riau | Malaria                                       | 70  | 1.2 (0.0, 5.8)    | 0.0002339 (0.0000092, 0.0011394) | 0.00606 (0.00024, 0.02888) | 1.0 (0.0, 5.5)     | 0.0002 (0.0000062, 0.0010979)    | 0.00371 (0.00012, 0.01984) |
| Kepulauan Riau | Tuberculosis                                  | 70  | 14.2 (8.4, 21.9)  | 0.0027692 (0.0016388, 0.0042802) | 0.07187 (0.04822, 0.10095) | 14.1 (8.4, 21.3)   | 0.0027848 (0.0016721, 0.0042259) | 0.05182 (0.03211, 0.07565) |
| Kepulauan Riau | Other communicable diseases                   | 70  | 5.3 (2.1, 10.1)   | 0.0010326 (0.0004196, 0.0019697) | 0.02683 (0.01101, 0.04842) | 7.7 (3.3, 14.4)    | 0.0015255 (0.0006493, 0.0028449) | 0.02843 (0.01198, 0.05271) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 70  | 5.9 (2.7, 10.6)   | 0.0011569 (0.0005369, 0.0020776) | 0.03008 (0.01467, 0.05271) | 2.7 (1.1, 5.3)     | 0.0005261 (0.0002147, 0.0010569) | 0.00979 (0.00410, 0.01985) |
| Kepulauan Riau | Breast cancer                                 | 70  | 0.1 (0.0, 0.2)    | 0.0000121 (0.0000024, 0.0000344) | 0.00031 (0.00007, 0.00091) | 1.5 (0.5, 3.0)     | 0.0002989 (0.0001045, 0.0005963) | 0.00557 (0.00194, 0.01090) |
| Kepulauan Riau | Cervical cancer                               | 70  | -                 | -                                | -                          | 2.2 (0.7, 4.9)     | 0.000432 (0.0001399, 0.0009686)  | 0.00805 (0.00264, 0.01738) |
| Kepulauan Riau | Other malignant neoplasms                     | 70  | 3.7 (2.0, 6.5)    | 0.0007714 (0.0003876, 0.0012696) | 0.01872 (0.01068, 0.02984) | 3.8 (1.7, 6.4)     | 0.00076 (0.0003402, 0.0012748)   | 0.01415 (0.00695, 0.02326) |
| Kepulauan Riau | Cerebrovascular disease                       | 70  | 50.0 (36.9, 70.4) | 0.0097792 (0.0072092, 0.0137779) | 0.25411 (0.21221, 0.29760) | 84.8 (66.5, 106.2) | 0.0168122 (0.0131772, 0.0210436) | 0.31314 (0.26444, 0.36239) |
| Kepulauan Riau | Ischemic heart disease                        | 70  | 36.4 (25.3, 50.9) | 0.0071258 (0.0049532, 0.0099608) | 0.18529 (0.14537, 0.22905) | 41.1 (29.2, 55.2)  | 0.0081381 (0.0057826, 0.0109398) | 0.15165 (0.11157, 0.19521) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 70  | 10.6 (5.8, 17.6)  | 0.0020649 (0.0011273, 0.0034503) | 0.0536 (0.03172, 0.08431)  | 17.5 (10.3, 28.3)  | 0.0034775 (0.0020415, 0.0056167) | 0.06473 (0.03844, 0.10200) |
| Kepulauan Riau | Diabetes mellitus                             | 70  | 11.8 (7.9, 17.3)  | 0.0023065 (0.0015466, 0.0033765) | 0.06001 (0.04233, 0.08014) | 20.1 (13.9, 28.0)  | 0.0039766 (0.0027496, 0.0055420) | 0.07412 (0.05232, 0.09901) |
| Kepulauan Riau | Chronic kidney disease                        | 70  | 5.4 (3.4, 8.4)    | 0.0010535 (0.0006615, 0.0016454) | 0.02737 (0.01850, 0.03891) | 6.6 (3.9, 10.0)    | 0.0012983 (0.0007789, 0.0019743) | 0.02417 (0.01503, 0.03581) |
| Kepulauan Riau | Cirrhosis                                     | 70  | 5.2 (3.0, 8.6)    | 0.0010148 (0.0005846, 0.0016743) | 0.02632 (0.01667, 0.03967) | 5.3 (3.2, 8.3)     | 0.0010518 (0.0006264, 0.0016364) | 0.01196 (0.01228, 0.03018) |
| Kepulauan Riau | Chronic respiratory diseases                  | 70  | 15.0 (9.5, 22.3)  | 0.0029247 (0.0018523, 0.0043619) | 0.07602 (0.05234, 0.10424) | 14.2 (8.9, 20.7)   | 0.0028078 (0.0017706, 0.0041105) | 0.05228 (0.03489, 0.07477) |
| Kepulauan Riau | Other non-communicable diseases               | 70  | 13.9 (9.5, 20.6)  | 0.0027131 (0.0018540, 0.0040270) | 0.07049 (0.05116, 0.09405) | 22.4 (15.2, 30.7)  | 0.0044391 (0.0030059, 0.0060792) | 0.08264 (0.06009, 0.10906) |
| Kepulauan Riau | Drowning                                      | 70  | 0.2 (0.0, 0.7)    | 0.0000373 (0.0000051, 0.0001373) | 0.00097 (0.00014, 0.00337) | 0.2 (0.0, 0.6)     | 0.0000382 (0.0000048, 0.0001246) | 0.00071 (0.00009, 0.00245) |
| Kepulauan Riau | Falls                                         | 70  | 2.6 (1.1, 5.1)    | 0.0004997 (0.0002146, 0.0009929) | 0.01298 (0.00612, 0.02325) | 2.6 (1.2, 4.9)     | 0.0005133 (0.0002401, 0.0009652) | 0.00956 (0.00456, 0.01704) |
| Kepulauan Riau | Interpersonal violence                        | 70  | - (0.0, 0.1)      | 0.0000069 (0.0000020, 0.0000172) | 0.00018 (0.00005, 0.00043) | - (0.0, 0.1)       | 0.0000052 (0.0000014, 0.0000141) | 0.0001 (0.00003, 0.00026)  |
| Kepulauan Riau | Self-harm                                     | 70  | 0.1 (0.0, 0.3)    | 0.0000239 (0.0000077, 0.0000570) | 0.00062 (0.00021, 0.00146) | 0.1 (0.0, 0.2)     | 0.0000132 (0.0000039, 0.0000318) | 0.00025 (0.00007, 0.00059) |
| Kepulauan Riau | Transport injuries                            | 70  | 2.6 (1.1, 4.9)    | 0.0005122 (0.0002147, 0.0009506) | 0.01334 (0.00590, 0.02487) | 1.6 (0.6, 3.2)     | 0.0003127 (0.0001182, 0.0006332) | 0.00583 (0.00225, 0.01160) |
| Kepulauan Riau | Other unintentional injuries                  | 70  | 0.6 (0.2, 1.2)    | 0.0001124 (0.0000471, 0.0002254) | 0.00293 (0.00130, 0.00588) | 0.4 (0.1, 0.8)     | 0.0000695 (0.0000265, 0.0001503) | 0.00129 (0.00051, 0.00267) |
| Kepulauan Riau | Diarrheal diseases                            | 75  | 5.7 (2.9, 9.7)    | 0.0024235 (0.0012217, 0.0041483) | 0.04537 (0.02424, 0.07452) | 12.1 (7.0, 18.9)   | 0.0047841 (0.0027634, 0.0074669) | 0.05761 (0.03336, 0.08897) |
| Kepulauan Riau | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.6)    | 0.0000752 (0.0000142, 0.0002377) | 0.0014 (0.00026, 0.00431)  | 0.3 (0.1, 0.9)     | 0.0001156 (0.0000214, 0.0003755) | 0.00139 (0.00026, 0.00449) |
| Kepulauan Riau | Lower respiratory infections                  | 75  | 3.0 (1.4, 5.6)    | 0.0012976 (0.0005976, 0.0023887) | 0.0243 (0.01149, 0.04234)  | 5.9 (2.9, 10.1)    | 0.0023354 (0.0011545, 0.0039936) | 0.02812 (0.01405, 0.04796) |
| Kepulauan Riau | Malaria                                       | 75  | 0.8 (0.0, 3.7)    | 0.0003301 (0.0000121, 0.0016006) | 0.00615 (0.00021, 0.03050) | 0.8 (0.0, 4.6)     | 0.0003043 (0.0000087, 0.0018352) | 0.00365 (0.00011, 0.02135) |
| Kepulauan Riau | Tuberculosis                                  | 75  | 7.7 (4.4, 12.4)   | 0.0032799 (0.0018962, 0.0052887) | 0.06121 (0.03798, 0.08764) | 8.9 (5.2, 13.8)    | 0.0035263 (0.0020610, 0.0054765) | 0.04243 (0.02546, 0.06361) |
| Kepulauan Riau | Other communicable diseases                   | 75  | 3.3 (1.3, 6.3)    | 0.001418 (0.0005620, 0.0027075)  | 0.02651 (0.01067, 0.04887) | 5.7 (2.3, 10.8)    | 0.0022549 (0.0009159, 0.0042691) | 0.02718 (0.01092, 0.05060) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 75  | 3.0 (1.4, 5.6)    | 0.0013035 (0.0006063, 0.0023796) | 0.02437 (0.01157, 0.04337) | 1.6 (0.6, 3.3)     | 0.0006134 (0.0002494, 0.0012867) | 0.00738 (0.00306, 0.01538) |
| Kepulauan Riau | Breast cancer                                 | 75  | - (0.0, 0.1)      | 0.0000103 (0.0000018, 0.0000306) | 0.00019 (0.00004, 0.00055) | 0.8 (0.2, 1.6)     | 0.0002996 (0.0000980, 0.0006201) | 0.00361 (0.00118, 0.00758) |
| Kepulauan Riau | Cervical cancer                               | 75  | -                 | -                                | -                          | 1.1 (0.3, 2.5)     | 0.0004304 (0.0001332, 0.0010019) | 0.00519 (0.00163, 0.01170) |
| Kepulauan Riau | Other malignant neoplasms                     | 75  | 1.8 (1.0, 3.1)    | 0.0007531 (0.0004078, 0.0013055) | 0.01406 (0.00816, 0.02214) | 2.6 (1.2, 4.4)     | 0.0010109 (0.0004722, 0.0017246) | 0.01217 (0.00596, 0.02065) |
| Kepulauan Riau | Cerebrovascular disease                       | 75  | 32.0 (24.0, 45.6) | 0.0137092 (0.0102636, 0.0195158) | 0.25628 (0.21131, 0.29755) | 66.3 (52.4, 81.1)  | 0.0262336 (0.0207439, 0.0320819) | 0.3159 (0.26554, 0.36507)  |
| Kepulauan Riau | Ischemic heart disease                        | 75  | 24.9 (17.9, 35.0) | 0.0106715 (0.0076583, 0.0149669) | 0.19963 (0.15640, 0.24282) | 34.4 (24.5, 45.8)  | 0.0136138 (0.0096879, 0.0181110) | 0.16399 (0.12126, 0.20846) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 75  | 6.9 (3.7, 11.6)   | 0.0029419 (0.0016044, 0.0049566) | 0.05494 (0.03236, 0.08750) | 14.0 (8.1, 22.5)   | 0.0055238 (0.0031869, 0.0089129) | 0.06648 (0.03924, 0.10382) |
| Kepulauan Riau | Diabetes mellitus                             | 75  | 6.3 (4.1, 9.3)    | 0.0026872 (0.0017628, 0.0039646) | 0.05029 (0.03581, 0.06832) | 13.1 (8.9, 18.3)   | 0.0051804 (0.0035209, 0.0072304) | 0.06241 (0.04338, 0.08490) |
| Kepulauan Riau | Chronic kidney disease                        | 75  | 3.0 (1.9, 4.8)    | 0.0012971 (0.0008140, 0.0020624) | 0.02424 (0.01618, 0.03481) | 4.5 (2.7, 7.0)     | 0.0017824 (0.0010793, 0.0027710) | 0.02145 (0.01348, 0.03210) |
| Kepulauan Riau | Cirrhosis                                     | 75  | 2.9 (1.7, 4.8)    | 0.0012512 (0.0007362, 0.0020702) | 0.02335 (0.01473, 0.03518) | 3.6 (2.2, 5.6)     | 0.0014404 (0.0008613, 0.0022284) | 0.01735 (0.01101, 0.02666) |
| Kepulauan Riau | Chronic respiratory diseases                  | 75  | 9.5 (6.2, 14.4)   | 0.0040855 (0.0026419, 0.0061470) | 0.07636 (0.05278, 0.10572) | 10.8 (6.8, 15.6)   | 0.0042714 (0.0026852, 0.0061886) | 0.05142 (0.03409, 0.07367) |
| Kepulauan Riau | Other non-communicable diseases               | 75  | 10.1 (7.0, 15.2)  | 0.0043418 (0.0029990, 0.0064871) | 0.08114 (0.05971, 0.10780) | 20.0 (13.8, 26.9)  | 0.0079006 (0.0054501, 0.0106402) | 0.0951 (0.06976, 0.12421)  |
| Kepulauan Riau | Drowning                                      | 75  | 0.2 (0.0, 0.6)    | 0.0000741 (0.0000119, 0.0002683) | 0.00138 (0.00022, 0.00527) | 0.2 (0.0, 0.7)     | 0.0000786 (0.0000120, 0.0002700) | 0.00094 (0.00014, 0.00328) |
| Kepulauan Riau | Falls                                         | 75  | 1.9 (0.9, 3.5)    | 0.0008328 (0.0003836, 0.0015059) | 0.01556 (0.00745, 0.02649) | 2.3 (1.1, 4.0)     | 0.0008934 (0.0004288, 0.0015660) | 0.01076 (0.00522, 0.01855) |
| Kepulauan Riau | Interpersonal violence                        | 75  | - (0.0, 0.0)      | 0.000007 (0.0000017, 0.0000203)  | 0.00013 (0.00003, 0.00035) | - (0.0, 0.0)       | 0.0000055 (0.0000013, 0.0000160) | 0.00007 (0.00002, 0.00019) |
| Kepulauan Riau | Self-harm                                     | 75  | 0.1 (0.0, 0.2)    | 0.000029 (0.0000085, 0.0000724)  | 0.00054 (0.00017, 0.00128) | - (0.0, 0.1)       | 0.000017 (0.0000048, 0.0000430)  | 0.0002 (0.00006, 0.00051)  |
| Kepulauan Riau | Transport injuries                            | 75  | 1.2 (0.5, 2.5)    | 0.0005268 (0.0002065, 0.0010849) | 0.00986 (0.00376, 0.01969) | 0.8 (0.3, 1.8)     | 0.0003362 (0.0001134, 0.0007014) | 0.00405 (0.00138, 0.00874) |
| Kepulauan Riau | Other unintentional injuries                  | 75  | 0.3 (0.1, 0.7)    | 0.0001452 (0.0000583, 0.0002935) | 0.00272 (0.00113, 0.00529) | 0.2 (0.1, 0.5)     | 0.0000943 (0.0000346, 0.0002003) | 0.00113 (0.00044, 0.00240) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                  |                                  |                            | Females                |                                  |                            |
|----------------|----------------------------------------------------------|-----|------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Kepulauan Riau | Diarrheal diseases                                       | 80  | 14.3 (8.4, 21.9)       | 0.0098793 (0.0058241, 0.0150980) | 0.08495 (0.05179, 0.12473) | 29.7 (19.3, 42.7)      | 0.0148426 (0.0096404, 0.0213223) | 0.0879 (0.05770, 0.12388)  |
| Kepulauan Riau | HIV/AIDS                                                 | 80  | 0.2 (0.0, 0.8)         | 0.0001666 (0.0000232, 0.0005737) | 0.00143 (0.00021, 0.00489) | 0.5 (0.1, 1.6)         | 0.0002331 (0.0000351, 0.0007853) | 0.00138 (0.00022, 0.00459) |
| Kepulauan Riau | Lower respiratory infections                             | 80  | 5.6 (2.8, 9.7)         | 0.0038546 (0.0019027, 0.0067126) | 0.03316 (0.01647, 0.05588) | 10.8 (5.5, 18.2)       | 0.0053869 (0.0027464, 0.0090605) | 0.03191 (0.01638, 0.05276) |
| Kepulauan Riau | Malaria                                                  | 80  | 1.0 (0.0, 5.5)         | 0.0006846 (0.0000194, 0.0038028) | 0.00587 (0.00017, 0.03399) | 1.4 (0.0, 8.3)         | 0.0006752 (0.0000178, 0.0041576) | 0.00399 (0.00011, 0.02469) |
| Kepulauan Riau | Tuberculosis                                             | 80  | 8.0 (4.4, 12.9)        | 0.005495 (0.0030370, 0.0089137)  | 0.04717 (0.02744, 0.07303) | 14.1 (8.1, 21.9)       | 0.0070129 (0.0040363, 0.0109041) | 0.04152 (0.02381, 0.06444) |
| Kepulauan Riau | Other communicable diseases                              | 80  | 6.3 (2.5, 12.4)        | 0.0043703 (0.0016939, 0.0085475) | 0.03755 (0.01490, 0.07081) | 9.5 (3.6, 18.4)        | 0.0047495 (0.0017826, 0.0091831) | 0.02815 (0.01069, 0.05343) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer                      | 80  | 2.9 (1.2, 5.7)         | 0.0019739 (0.0008185, 0.0039120) | 0.01698 (0.00703, 0.03397) | 2.1 (0.8, 4.6)         | 0.0010385 (0.0004008, 0.0022786) | 0.00615 (0.00242, 0.01314) |
| Kepulauan Riau | Breast cancer                                            | 80  | - (0.0, 0.1)           | 0.0000124 (0.0000019, 0.0000424) | 0.00011 (0.00002, 0.00036) | 0.8 (0.3, 1.7)         | 0.0004012 (0.0001253, 0.0008478) | 0.00238 (0.00074, 0.00501) |
| Kepulauan Riau | Cervical cancer                                          | 80  |                        |                                  |                            | 0.9 (0.2, 2.3)         | 0.0004726 (0.0001208, 0.0011393) | 0.0028 (0.00072, 0.00688)  |
| Kepulauan Riau | Other malignant neoplasms                                | 80  | 1.7 (0.9, 2.9)         | 0.0011885 (0.0006250, 0.0020356) | 0.0102 (0.00551, 0.01655)  | 3.2 (1.6, 5.4)         | 0.0016166 (0.0007810, 0.0026898) | 0.00957 (0.00467, 0.01612) |
| Kepulauan Riau | Cerebrovascular disease                                  | 80  | 44.9 (35.4, 57.4)      | 0.0309796 (0.0244734, 0.0396298) | 0.26628 (0.22001, 0.31069) | 105.4 (87.0, 124.7)    | 0.0525728 (0.0434008, 0.0622280) | 0.31137 (0.26138, 0.36121) |
| Kepulauan Riau | Ischemic heart disease                                   | 80  | 29.0 (21.3, 38.0)      | 0.0200084 (0.0146958, 0.0262726) | 0.17207 (0.12958, 0.21677) | 54.8 (39.8, 71.1)      | 0.0273355 (0.0198468, 0.0354575) | 0.16195 (0.11946, 0.20531) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 80  | 8.2 (4.5, 13.8)        | 0.0056715 (0.0031367, 0.0095037) | 0.04872 (0.02762, 0.07813) | 20.5 (11.9, 33.0)      | 0.0102279 (0.0059507, 0.0164884) | 0.06056 (0.03570, 0.09617) |
| Kepulauan Riau | Diabetes mellitus                                        | 80  | 6.2 (4.1, 8.9)         | 0.0043118 (0.0027985, 0.0061696) | 0.0371 (0.02460, 0.05192)  | 16.9 (11.4, 23.4)      | 0.0084145 (0.0057127, 0.0116758) | 0.04985 (0.03427, 0.06870) |
| Kepulauan Riau | Chronic kidney disease                                   | 80  | 2.9 (1.8, 4.5)         | 0.001994 (0.0012542, 0.0030784)  | 0.01714 (0.01099, 0.02553) | 6.1 (3.8, 9.4)         | 0.0030203 (0.0018724, 0.0046678) | 0.01788 (0.01130, 0.02704) |
| Kepulauan Riau | Cirrhosis                                                | 80  | 3.6 (2.1, 5.8)         | 0.002505 (0.0014642, 0.0039862)  | 0.02151 (0.01324, 0.03274) | 4.8 (2.9, 7.3)         | 0.0023793 (0.0014244, 0.0036402) | 0.01409 (0.00867, 0.02193) |
| Kepulauan Riau | Chronic respiratory diseases                             | 80  | 12.2 (8.1, 17.6)       | 0.0084407 (0.0055619, 0.0121321) | 0.07256 (0.04913, 0.10100) | 16.8 (10.7, 24.3)      | 0.0083601 (0.0053361, 0.0121079) | 0.04951 (0.03214, 0.07173) |
| Kepulauan Riau | Other non-communicable diseases                          | 80  | 15.1 (10.7, 21.1)      | 0.0104019 (0.0073700, 0.0145788) | 0.08941 (0.06542, 0.12124) | 34.8 (25.3, 46.2)      | 0.0173637 (0.0126206, 0.0230368) | 0.10281 (0.07563, 0.13401) |
| Kepulauan Riau | Drowning                                                 | 80  | 0.3 (0.0, 1.3)         | 0.0002325 (0.0000309, 0.0008731) | 0.002 (0.00027, 0.00702)   | 0.2 (0.0, 0.9)         | 0.0001234 (0.0000152, 0.0004260) | 0.00073 (0.00029, 0.00258) |
| Kepulauan Riau | Falls                                                    | 80  | 4.1 (2.0, 7.0)         | 0.0028294 (0.0013720, 0.0048484) | 0.02432 (0.01231, 0.04112) | 3.9 (1.9, 6.8)         | 0.0019337 (0.0009398, 0.0033808) | 0.01145 (0.00568, 0.01941) |
| Kepulauan Riau | Interpersonal violence                                   | 80  | - (0.0, 0.0)           | 0.0000081 (0.0000014, 0.0000287) | 0.00007 (0.00001, 0.00024) | - (0.0, 0.1)           | 0.0000078 (0.0000013, 0.0000274) | 0.00005 (0.00001, 0.00016) |
| Kepulauan Riau | Self-harm                                                | 80  | 0.1 (0.0, 0.1)         | 0.0000374 (0.0000099, 0.0000964) | 0.00032 (0.00009, 0.00080) | 0.1 (0.0, 0.1)         | 0.0000298 (0.0000075, 0.0000737) | 0.00018 (0.00004, 0.00043) |
| Kepulauan Riau | Transport injuries                                       | 80  | 1.5 (0.5, 3.0)         | 0.0010235 (0.0003653, 0.0020433) | 0.00881 (0.00312, 0.01711) | 1.0 (0.3, 2.0)         | 0.0004913 (0.0001567, 0.0010125) | 0.00291 (0.00094, 0.00600) |
| Kepulauan Riau | Other unintentional injuries                             | 80  | 0.4 (0.1, 0.8)         | 0.000264 (0.0000950, 0.0005653)  | 0.00227 (0.00083, 0.00491) | 0.3 (0.1, 0.7)         | 0.0001557 (0.0000511, 0.0003577) | 0.00092 (0.00030, 0.00209) |
| Kepulauan Riau | Diarrheal diseases                                       | All | 124.6 (61.2, 225.1)    | 0.0001357 (0.0000666, 0.0002452) | 0.03925 (0.01942, 0.06870) | 163.8 (86.3, 264.1)    | 0.0001882 (0.0000991, 0.0003034) | 0.04365 (0.02417, 0.06896) |
| Kepulauan Riau | HIV/AIDS                                                 | All | 67.9 (23.2, 132.4)     | 0.000074 (0.0000252, 0.0001442)  | 0.02135 (0.00717, 0.04207) | 44.3 (14.2, 92.1)      | 0.0000509 (0.0000164, 0.0001059) | 0.01182 (0.00393, 0.02469) |
| Kepulauan Riau | Lower respiratory infections                             | All | 110.5 (64.3, 172.0)    | 0.0001203 (0.0000700, 0.0001873) | 0.03475 (0.02105, 0.05215) | 99.7 (58.6, 156.8)     | 0.0001146 (0.0000674, 0.0001802) | 0.02656 (0.01625, 0.04058) |
| Kepulauan Riau | Malaria                                                  | All | 28.5 (1.2, 123.2)      | 0.000031 (0.0000013, 0.0001341)  | 0.00891 (0.00041, 0.03937) | 21.5 (0.9, 103.9)      | 0.0000247 (0.0000010, 0.0001194) | 0.00569 (0.00023, 0.02814) |
| Kepulauan Riau | Tuberculosis                                             | All | 200.5 (122.0, 303.9)   | 0.0002184 (0.0001329, 0.0003310) | 0.06304 (0.03975, 0.08938) | 154.2 (91.7, 236.2)    | 0.0001772 (0.0001054, 0.0002714) | 0.04101 (0.02586, 0.05960) |
| Kepulauan Riau | Maternal disorders                                       | All |                        |                                  |                            | 117.4 (80.1, 159.1)    | 0.0001349 (0.0000921, 0.0001828) | 0.03118 (0.02308, 0.04012) |
| Kepulauan Riau | Neonatal encephalopathy due to birth asphyxia and trauma | All | 76.0 (35.8, 124.0)     | 0.0000827 (0.0000390, 0.0001350) | 0.02377 (0.01180, 0.03861) | 58.9 (28.6, 100.3)     | 0.0000677 (0.0000328, 0.0001153) | 0.01565 (0.00782, 0.02727) |
| Kepulauan Riau | Preterm birth complications                              | All | 100.9 (47.5, 167.0)    | 0.00011 (0.0000518, 0.0001819)   | 0.03159 (0.01581, 0.05195) | 102.7 (52.1, 172.5)    | 0.000118 (0.0000599, 0.0001982)  | 0.02728 (0.01410, 0.04525) |
| Kepulauan Riau | Other neonatal disorders                                 | All | 35.2 (10.3, 80.9)      | 0.0000384 (0.0000112, 0.0000882) | 0.01103 (0.00321, 0.02485) | 26.1 (6.4, 60.7)       | 0.00003 (0.0000074, 0.0000698)   | 0.00695 (0.00182, 0.01603) |
| Kepulauan Riau | Other communicable diseases                              | All | 252.9 (144.2, 374.1)   | 0.0002755 (0.0001571, 0.0004075) | 0.0797 (0.04705, 0.11697)  | 210.7 (116.7, 321.2)   | 0.0002421 (0.0001341, 0.0003691) | 0.0562 (0.03145, 0.08340)  |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer                      | All | 66.1 (32.9, 115.4)     | 0.000072 (0.0000358, 0.0001257)  | 0.02079 (0.01068, 0.03466) | 42.2 (18.8, 79.7)      | 0.0000485 (0.0000216, 0.0000916) | 0.01121 (0.00525, 0.02056) |
| Kepulauan Riau | Breast cancer                                            | All | 1.2 (0.4, 2.9)         | 0.0000013 (0.0000004, 0.0000032) | 0.00038 (0.00011, 0.00091) | 85.4 (37.1, 148.3)     | 0.0000982 (0.0000426, 0.0001704) | 0.02273 (0.01056, 0.03896) |
| Kepulauan Riau | Cervical cancer                                          | All |                        |                                  |                            | 67.0 (24.2, 138.1)     | 0.000077 (0.0000279, 0.0001587)  | 0.01782 (0.00655, 0.03527) |
| Kepulauan Riau | Other malignant neoplasms                                | All | 112.4 (64.5, 178.9)    | 0.0001225 (0.0000702, 0.0001948) | 0.03536 (0.02100, 0.05290) | 116.1 (59.8, 188.6)    | 0.0001334 (0.0000687, 0.0002167) | 0.03087 (0.01658, 0.04820) |
| Kepulauan Riau | Cerebrovascular disease                                  | All | 426.4 (315.5, 581.2)   | 0.0004644 (0.0003437, 0.0006331) | 0.13411 (0.10557, 0.16534) | 714.7 (548.9, 908.0)   | 0.0008212 (0.0006307, 0.0010434) | 0.19037 (0.15615, 0.22588) |
| Kepulauan Riau | Ischemic heart disease                                   | All | 408.5 (290.2, 553.4)   | 0.000445 (0.0003161, 0.0006027)  | 0.12858 (0.09931, 0.16203) | 423.5 (292.4, 574.8)   | 0.0004867 (0.0003360, 0.0006605) | 0.11283 (0.08313, 0.14580) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | All | 92.5 (51.1, 156.2)     | 0.0001007 (0.0000557, 0.0001701) | 0.02908 (0.01686, 0.04748) | 163.1 (92.7, 270.0)    | 0.0001874 (0.0001066, 0.0003103) | 0.0434 (0.02563, 0.06976)  |
| Kepulauan Riau | Diabetes mellitus                                        | All | 159.6 (107.6, 223.8)   | 0.0001738 (0.0001172, 0.0002438) | 0.05023 (0.03492, 0.06746) | 261.4 (180.2, 357.9)   | 0.0003003 (0.0002070, 0.0004112) | 0.06959 (0.04967, 0.09200) |
| Kepulauan Riau | Chronic kidney disease                                   | All | 101.8 (65.6, 151.9)    | 0.0001109 (0.0000714, 0.0001655) | 0.03203 (0.02145, 0.04534) | 123.8 (77.6, 189.3)    | 0.0001423 (0.0000892, 0.0002176) | 0.03293 (0.02193, 0.04831) |
| Kepulauan Riau | Cirrhosis                                                | All | 111.8 (67.7, 174.7)    | 0.0001217 (0.0000737, 0.0001903) | 0.03516 (0.02247, 0.05333) | 97.1 (57.8, 151.7)     | 0.0001115 (0.0000664, 0.0001743) | 0.02585 (0.01616, 0.04038) |
| Kepulauan Riau | Chronic respiratory diseases                             | All | 102.2 (63.5, 155.4)    | 0.0001113 (0.0000692, 0.0001693) | 0.03216 (0.02070, 0.04653) | 102.8 (63.0, 155.1)    | 0.0001182 (0.0000724, 0.0001782) | 0.02737 (0.01791, 0.03990) |
| Kepulauan Riau | Other non-communicable diseases                          | All | 271.6 (194.5, 370.0)   | 0.0002958 (0.0002118, 0.0004030) | 0.08539 (0.06590, 0.10793) | 377.1 (279.2, 489.8)   | 0.0004334 (0.0003208, 0.0005628) | 0.10039 (0.07898, 0.12546) |
| Kepulauan Riau | Drowning                                                 | All | 27.6 (7.0, 69.6)       | 0.00003 (0.0000076, 0.0000758)   | 0.0087 (0.00227, 0.02189)  | 11.9 (2.6, 30.6)       | 0.0000137 (0.0000030, 0.0000351) | 0.00317 (0.00068, 0.00827) |
| Kepulauan Riau | Falls                                                    | All | 50.5 (22.6, 93.3)      | 0.000055 (0.0000246, 0.0001017)  | 0.01587 (0.00753, 0.02850) | 37.9 (16.9, 71.9)      | 0.0000436 (0.0000194, 0.0000826) | 0.0101 (0.00468, 0.01874)  |
| Kepulauan Riau | Interpersonal violence                                   | All | 5.6 (2.4, 10.5)        | 0.0000061 (0.0000026, 0.0000114) | 0.00175 (0.00079, 0.00324) | 5.0 (2.1, 10.0)        | 0.0000058 (0.0000024, 0.0000115) | 0.00133 (0.00057, 0.00262) |
| Kepulauan Riau | Self-harm                                                | All | 7.5 (3.0, 14.9)        | 0.0000081 (0.0000033, 0.0000163) | 0.00235 (0.00095, 0.00454) | 5.8 (2.1, 11.8)        | 0.0000067 (0.0000025, 0.0000136) | 0.00154 (0.00060, 0.00317) |
| Kepulauan Riau | Transport injuries                                       | All | 200.2 (120.8, 299.3)   | 0.000218 (0.0001316, 0.0003260)  | 0.06314 (0.03856, 0.09307) | 102.5 (52.5, 168.4)    | 0.0001178 (0.0000604, 0.0001935) | 0.02729 (0.01482, 0.04387) |
| Kepulauan Riau | Other unintentional injuries                             | All | 36.6 (18.3, 64.4)      | 0.0000398 (0.0000199, 0.0000701) | 0.01153 (0.00601, 0.01980) | 19.6 (8.8, 37.8)       | 0.0000225 (0.0000101, 0.0000435) | 0.00522 (0.00242, 0.00964) |
| DKI Jakarta    | Diarrheal diseases                                       | NN  | 19.1 (7.9, 34.0)       | 0.002639 (0.0010952, 0.0047135)  | 0.10149 (0.00670, 0.01552) | 16.4 (7.3, 31.5)       | 0.0024105 (0.0010782, 0.0046275) | 0.01202 (0.00791, 0.01761) |
| DKI Jakarta    | Lower respiratory infections                             | NN  | 189.7 (90.9, 310.4)    | 0.0262696 (0.0125934, 0.0429971) | 0.10439 (0.08324, 0.13201) | 114.3 (57.2, 198.0)    | 0.0167769 (0.0083924, 0.0290552) | 0.08369 (0.06506, 0.10545) |
| DKI Jakarta    | Malaria                                                  | NN  | - (0.0, 0.3)           | 0.0000065 (0.0000001, 0.0000359) | 0.00003 (0.00000, 0.00015) | - (0.0, 0.2)           | 0.0000043 (0.0000001, 0.0000272) | 0.00002 (0.00000, 0.00013) |
| DKI Jakarta    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 371.3 (165.8, 651.2)   | 0.0514343 (0.0229619, 0.0901911) | 0.20389 (0.13945, 0.26623) | 246.8 (111.1, 456.8)   | 0.0362257 (0.0163112, 0.0670335) | 0.18047 (0.12304, 0.24802) |
| DKI Jakarta    | Preterm birth complications                              | NN  | 703.2 (344.2, 1,145.8) | 0.0974052 (0.0476698, 0.1587108) | 0.38741 (0.31292, 0.45291) | 600.9 (318.1, 1,010.9) | 0.088192 (0.0466887, 0.1483523)  | 0.44067 (0.36483, 0.50532) |
| DKI Jakarta    | Other neonatal disorders                                 | NN  | 159.7 (57.2, 337.8)    | 0.0221186 (0.0079197, 0.0467923) | 0.08791 (0.04283, 0.15080) | 102.4 (34.6, 229.7)    | 0.0150265 (0.0050834, 0.0337046) | 0.0745 (0.03462, 0.13239)  |
| DKI Jakarta    | Other communicable diseases                              | NN  | 24.5 (10.2, 46.2)      | 0.0033883 (0.0014083, 0.0063941) | 0.01348 (0.00848, 0.02076) | 14.9 (6.2, 30.9)       | 0.0021809 (0.0009141, 0.0045328) | 0.01084 (0.00670, 0.01688) |
| DKI Jakarta    | Other malignant neoplasms                                | NN  | 15.3 (6.0, 30.2)       | 0.0021153 (0.0008275, 0.0041853) | 0.00837 (0.00500, 0.01314) | 12.0 (5.0, 24.1)       | 0.0017598 (0.0007377, 0.0035405) | 0.00879 (0.00533, 0.01382) |



Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                |                                  |                            | Females              |                                  |                            |
|-------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Cerebrovascular disease                                  | NN  | 4.0 (1.0, 10.2)      | 0.0005477 (0.0001364, 0.0014100) | 0.00218 (0.00073, 0.00505) | 4.1 (1.1, 10.5)      | 0.0005944 (0.0001600, 0.0015370) | 0.00299 (0.00100, 0.00678) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | NN  | 2.7 (0.7, 7.1)       | 0.0003809 (0.0000957, 0.0009867) | 0.00152 (0.00045, 0.00364) | 2.4 (0.5, 6.0)       | 0.0003579 (0.0000794, 0.0008768) | 0.00178 (0.00055, 0.00421) |
| DKI Jakarta | Diabetes mellitus                                        | NN  | 1.6 (0.0, 11.9)      | 0.0002225 (0.0000009, 0.0016508) | 0.00089 (0.00000, 0.00720) | 1.9 (0.0, 14.2)      | 0.0002762 (0.0000014, 0.0020815) | 0.00141 (0.00001, 0.01193) |
| DKI Jakarta | Other non-communicable diseases                          | NN  | 246.0 (122.0, 388.0) | 0.0340728 (0.0169042, 0.0537390) | 0.13547 (0.11627, 0.15468) | 224.6 (114.7, 365.4) | 0.0329653 (0.0168286, 0.0536304) | 0.1644 (0.14513, 0.18450)  |
| DKI Jakarta | Drowning                                                 | NN  | 5.5 (1.0, 17.4)      | 0.0007654 (0.0001431, 0.0024099) | 0.00303 (0.00073, 0.00871) | 1.4 (0.3, 4.4)       | 0.0002066 (0.0000393, 0.0006438) | 0.00103 (0.00026, 0.00291) |
| DKI Jakarta | Falls                                                    | NN  | 42.7 (16.7, 81.6)    | 0.0059091 (0.0023134, 0.0113055) | 0.02357 (0.01366, 0.03684) | 14.8 (6.1, 29.7)     | 0.0021718 (0.0008937, 0.0043639) | 0.01088 (0.00651, 0.01679) |
| DKI Jakarta | Interpersonal violence                                   | NN  | 1.7 (0.2, 5.8)       | 0.0002296 (0.0000343, 0.0008005) | 0.00091 (0.00016, 0.00284) | 0.9 (0.1, 2.9)       | 0.0001329 (0.0000180, 0.0004305) | 0.00067 (0.00011, 0.00213) |
| DKI Jakarta | Transport injuries                                       | NN  | 23.4 (8.3, 50.8)     | 0.0032417 (0.0011459, 0.0070301) | 0.01288 (0.00662, 0.02247) | 5.9 (2.1, 13.3)      | 0.0008634 (0.0003025, 0.0019590) | 0.00432 (0.00217, 0.00774) |
| DKI Jakarta | Other unintentional injuries                             | NN  | 6.5 (1.6, 18.0)      | 0.0009012 (0.0002160, 0.0024980) | 0.00356 (0.00109, 0.00807) | 2.1 (0.5, 5.6)       | 0.0003019 (0.0000784, 0.0008280) | 0.00152 (0.00047, 0.00351) |
| DKI Jakarta | Diarrheal diseases                                       | PNN | 309.2 (147.0, 534.5) | 0.0034316 (0.0016310, 0.0059316) | 0.21176 (0.16461, 0.26638) | 323.3 (152.1, 558.8) | 0.0038018 (0.0017879, 0.0065708) | 0.26179 (0.20918, 0.31916) |
| DKI Jakarta | HIV/AIDS                                                 | PNN | 35.5 (12.8, 75.1)    | 0.0003943 (0.0001417, 0.0008329) | 0.02426 (0.01241, 0.04271) | 24.8 (9.5, 53.6)     | 0.0002919 (0.0001111, 0.0006302) | 0.02004 (0.01001, 0.03501) |
| DKI Jakarta | Lower respiratory infections                             | PNN | 227.6 (108.4, 371.9) | 0.0025256 (0.0012029, 0.0041269) | 0.15575 (0.12504, 0.19032) | 162.5 (75.0, 284.9)  | 0.0019113 (0.0008821, 0.0033505) | 0.13106 (0.10502, 0.16100) |
| DKI Jakarta | Malaria                                                  | PNN | 0.8 (0.0, 4.6)       | 0.0000084 (0.0000002, 0.0000513) | 0.00053 (0.00001, 0.00304) | 0.5 (0.0, 3.0)       | 0.0000065 (0.0000002, 0.0000355) | 0.00046 (0.00001, 0.00290) |
| DKI Jakarta | Tuberculosis                                             | PNN | 26.8 (11.1, 48.6)    | 0.0002972 (0.0001229, 0.0005395) | 0.01832 (0.01167, 0.02747) | 19.3 (7.6, 37.4)     | 0.0002271 (0.0000888, 0.0004393) | 0.01559 (0.00976, 0.02362) |
| DKI Jakarta | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 13.1 (3.3, 35.9)     | 0.0001454 (0.0000363, 0.0003982) | 0.00895 (0.00289, 0.02037) | 9.7 (2.6, 24.2)      | 0.0001145 (0.0000304, 0.0002844) | 0.00794 (0.00255, 0.01935) |
| DKI Jakarta | Preterm birth complications                              | PNN | 95.5 (36.8, 194.2)   | 0.00106 (0.0004087, 0.0021556)   | 0.0651 (0.03414, 0.10634)  | 106.9 (41.6, 221.3)  | 0.0012565 (0.0004896, 0.0026022) | 0.0861 (0.04575, 0.13691)  |
| DKI Jakarta | Other neonatal disorders                                 | PNN | 22.3 (5.7, 58.0)     | 0.0002478 (0.0000630, 0.0006440) | 0.01529 (0.00503, 0.03742) | 16.5 (4.2, 47.7)     | 0.0001945 (0.0000499, 0.0005608) | 0.01338 (0.00425, 0.03548) |
| DKI Jakarta | Other communicable diseases                              | PNN | 440.7 (214.7, 743.6) | 0.004891 (0.0023823, 0.0082518)  | 0.30137 (0.24777, 0.36009) | 324.6 (153.7, 567.5) | 0.0038168 (0.0018070, 0.0066727) | 0.26174 (0.21019, 0.31884) |
| DKI Jakarta | Other malignant neoplasms                                | PNN | 11.7 (4.9, 22.5)     | 0.0001302 (0.0000540, 0.0002494) | 0.00802 (0.00482, 0.01253) | 10.4 (4.2, 20.5)     | 0.0001224 (0.0000492, 0.0002410) | 0.00845 (0.00512, 0.01348) |
| DKI Jakarta | Cerebrovascular disease                                  | PNN | 3.0 (0.8, 7.8)       | 0.0000337 (0.0000088, 0.0000868) | 0.00209 (0.00068, 0.00487) | 3.5 (0.9, 8.3)       | 0.0000414 (0.0000109, 0.0000978) | 0.00286 (0.00097, 0.00653) |
| DKI Jakarta | Ischemic heart disease                                   | PNN | 2.5 (0.2, 11.8)      | 0.0000281 (0.0000018, 0.0001309) | 0.00176 (0.00014, 0.00817) | 2.8 (0.2, 13.3)      | 0.0000332 (0.0000022, 0.0001568) | 0.00232 (0.00019, 0.01052) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | PNN | 2.1 (0.5, 5.7)       | 0.0000233 (0.0000056, 0.0000629) | 0.00144 (0.00042, 0.00346) | 2.1 (0.5, 5.4)       | 0.0000246 (0.0000056, 0.0000633) | 0.0017 (0.00052, 0.00403)  |
| DKI Jakarta | Diabetes mellitus                                        | PNN | 1.3 (0.0, 9.1)       | 0.0000142 (0.0000001, 0.0001010) | 0.00086 (0.00000, 0.00702) | 1.7 (0.0, 13.4)      | 0.0000201 (0.0000001, 0.0001578) | 0.00136 (0.00001, 0.01139) |
| DKI Jakarta | Chronic kidney disease                                   | PNN | 10.3 (4.0, 22.1)     | 0.0001146 (0.0000440, 0.0002449) | 0.00707 (0.00359, 0.01325) | 10.6 (4.0, 22.6)     | 0.0001252 (0.0000467, 0.0002661) | 0.00859 (0.00434, 0.01588) |
| DKI Jakarta | Other non-communicable diseases                          | PNN | 187.1 (91.6, 307.4)  | 0.0020766 (0.0010169, 0.0034108) | 0.12817 (0.10821, 0.14706) | 192.8 (92.6, 329.3)  | 0.0022672 (0.0010891, 0.0038717) | 0.15584 (0.13543, 0.17637) |
| DKI Jakarta | Drowning                                                 | PNN | 5.2 (1.0, 15.6)      | 0.0000574 (0.0000107, 0.0001729) | 0.00351 (0.00085, 0.00967) | 1.5 (0.3, 4.7)       | 0.0000177 (0.0000034, 0.0000558) | 0.0012 (0.00031, 0.00337)  |
| DKI Jakarta | Falls                                                    | PNN | 38.2 (16.4, 73.0)    | 0.000424 (0.0001823, 0.0008102)  | 0.02618 (0.01561, 0.03916) | 15.1 (6.4, 29.6)     | 0.0001778 (0.0000750, 0.0003482) | 0.0122 (0.00760, 0.01824)  |
| DKI Jakarta | Interpersonal violence                                   | PNN | 1.4 (0.2, 4.7)       | 0.0000161 (0.0000024, 0.0000527) | 0.00099 (0.00018, 0.00309) | 0.9 (0.1, 2.8)       | 0.0000107 (0.0000015, 0.0000325) | 0.00074 (0.00013, 0.00229) |
| DKI Jakarta | Transport injuries                                       | PNN | 21.5 (8.5, 43.4)     | 0.0002386 (0.0000946, 0.0004817) | 0.0147 (0.00788, 0.02475)  | 6.2 (2.2, 13.2)      | 0.0000727 (0.0000263, 0.0001556) | 0.00498 (0.00260, 0.00875) |
| DKI Jakarta | Other unintentional injuries                             | PNN | 5.7 (1.5, 14.6)      | 0.000063 (0.0000164, 0.0001616)  | 0.00389 (0.00122, 0.00882) | 2.1 (0.5, 5.3)       | 0.0000245 (0.0000065, 0.0000622) | 0.00168 (0.00051, 0.00384) |
| DKI Jakarta | Diarrheal diseases                                       | 1   | 60.2 (22.3, 131.6)   | 0.0001659 (0.0000614, 0.0003628) | 0.10831 (0.07677, 0.14842) | 63.1 (27.5, 131.6)   | 0.0001826 (0.0000795, 0.0003809) | 0.1501 (0.11078, 0.19571)  |
| DKI Jakarta | HIV/AIDS                                                 | 1   | 17.7 (5.3, 43.6)     | 0.0000487 (0.0000146, 0.0001203) | 0.0318 (0.01471, 0.05727)  | 12.4 (4.0, 28.5)     | 0.0000358 (0.0000011, 0.0000824) | 0.02935 (0.01401, 0.05149) |
| DKI Jakarta | Lower respiratory infections                             | 1   | 109.9 (43.0, 225.7)  | 0.0003029 (0.0001184, 0.0006222) | 0.19837 (0.16268, 0.23585) | 78.6 (34.8, 156.2)   | 0.0002275 (0.0001008, 0.0004520) | 0.18674 (0.15195, 0.22378) |
| DKI Jakarta | Malaria                                                  | 1   | 0.1 (0.0, 0.6)       | 0.0000003 (0.0000000, 0.0000018) | 0.00022 (0.00001, 0.00123) | 0.1 (0.0, 0.5)       | 0.0000002 (0.0000000, 0.0000016) | 0.00021 (0.00001, 0.00134) |
| DKI Jakarta | Tuberculosis                                             | 1   | 14.0 (4.9, 31.4)     | 0.0000386 (0.0000136, 0.0000866) | 0.0252 (0.01600, 0.03723)  | 10.1 (3.8, 21.4)     | 0.0000292 (0.0000111, 0.0000618) | 0.02397 (0.01524, 0.03482) |
| DKI Jakarta | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.1 (0.6, 8.4)       | 0.0000085 (0.0000018, 0.0000231) | 0.00556 (0.00179, 0.01362) | 2.2 (0.5, 6.2)       | 0.0000065 (0.0000014, 0.0000180) | 0.00526 (0.00167, 0.01304) |
| DKI Jakarta | Preterm birth complications                              | 1   | 4.6 (0.7, 15.9)      | 0.0000126 (0.0000020, 0.0000439) | 0.00814 (0.00187, 0.02363) | 5.0 (0.8, 17.9)      | 0.0000144 (0.0000025, 0.0000518) | 0.01157 (0.00255, 0.03473) |
| DKI Jakarta | Other neonatal disorders                                 | 1   | 0.8 (0.0, 7.0)       | 0.0000177 (0.0000000, 0.0000193) | 0.00146 (0.00001, 0.01178) | 0.6 (0.0, 4.2)       | 0.0000016 (0.0000000, 0.0000122) | 0.00134 (0.00001, 0.01159) |
| DKI Jakarta | Other communicable diseases                              | 1   | 185.8 (73.9, 377.5)  | 0.000512 (0.0002038, 0.0010404)  | 0.33509 (0.28514, 0.38778) | 139.9 (61.1, 266.2)  | 0.0004049 (0.0001769, 0.0007702) | 0.33278 (0.28000, 0.38726) |
| DKI Jakarta | Other malignant neoplasms                                | 1   | 3.9 (1.3, 8.8)       | 0.0000108 (0.0000037, 0.0000244) | 0.00708 (0.00409, 0.01153) | 3.6 (1.4, 7.8)       | 0.0000105 (0.0000041, 0.0000227) | 0.00859 (0.00510, 0.01389) |
| DKI Jakarta | Cerebrovascular disease                                  | 1   | 1.1 (0.3, 3.0)       | 0.0000031 (0.0000008, 0.0000083) | 0.00201 (0.00064, 0.00460) | 1.3 (0.4, 3.6)       | 0.0000039 (0.0000010, 0.0000105) | 0.00318 (0.00106, 0.00730) |
| DKI Jakarta | Ischemic heart disease                                   | 1   | 1.0 (0.1, 4.4)       | 0.0000027 (0.0000002, 0.0000123) | 0.00172 (0.00013, 0.00793) | 1.1 (0.1, 5.2)       | 0.0000032 (0.0000002, 0.0000150) | 0.00261 (0.00021, 0.01191) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | 1   | 0.7 (0.2, 2.2)       | 0.000002 (0.0000004, 0.0000060)  | 0.00131 (0.00038, 0.00315) | 0.7 (0.2, 2.0)       | 0.0000022 (0.0000005, 0.0000059) | 0.00177 (0.00055, 0.00420) |
| DKI Jakarta | Diabetes mellitus                                        | 1   | 0.4 (0.0, 3.7)       | 0.0000012 (0.0000000, 0.0000102) | 0.00077 (0.00000, 0.00603) | 0.6 (0.0, 5.2)       | 0.0000017 (0.0000000, 0.0000151) | 0.00139 (0.00001, 0.01144) |
| DKI Jakarta | Chronic kidney disease                                   | 1   | 3.3 (1.0, 7.8)       | 0.0000092 (0.0000029, 0.0000215) | 0.00603 (0.00305, 0.01141) | 3.5 (1.2, 7.9)       | 0.0000103 (0.0000035, 0.0000230) | 0.00843 (0.00423, 0.01543) |
| DKI Jakarta | Cirrhosis                                                | 1   | 6.4 (1.8, 16.4)      | 0.0000177 (0.0000050, 0.0000451) | 0.0115 (0.00503, 0.02223)  | 3.1 (0.9, 7.8)       | 0.0000089 (0.0000026, 0.0000227) | 0.00724 (0.00304, 0.01401) |
| DKI Jakarta | Chronic respiratory diseases                             | 1   | 6.5 (1.8, 16.6)      | 0.000018 (0.0000050, 0.0000458)  | 0.01172 (0.00520, 0.02158) | 2.5 (0.7, 6.4)       | 0.0000072 (0.0000022, 0.0000186) | 0.00593 (0.00260, 0.01106) |
| DKI Jakarta | Other non-communicable diseases                          | 1   | 62.6 (26.1, 128.5)   | 0.0001725 (0.0000720, 0.0003542) | 0.11304 (0.09389, 0.13573) | 66.6 (29.2, 128.3)   | 0.0001926 (0.0000845, 0.0003713) | 0.15838 (0.13523, 0.18307) |
| DKI Jakarta | Drowning                                                 | 1   | 6.8 (1.3, 21.8)      | 0.0000187 (0.0000036, 0.0000601) | 0.01232 (0.00306, 0.03332) | 2.0 (0.4, 6.1)       | 0.0000058 (0.0000011, 0.0000175) | 0.00479 (0.00121, 0.01316) |
| DKI Jakarta | Falls                                                    | 1   | 35.0 (11.5, 75.1)    | 0.0000963 (0.0000318, 0.0002071) | 0.0631 (0.03655, 0.09331)  | 14.0 (5.3, 29.7)     | 0.0000405 (0.0000152, 0.0000861) | 0.03335 (0.01998, 0.04969) |
| DKI Jakarta | Interpersonal violence                                   | 1   | 1.1 (0.1, 3.9)       | 0.000003 (0.0000004, 0.0000108)  | 0.00199 (0.00035, 0.00660) | 0.7 (0.1, 2.4)       | 0.000002 (0.0000003, 0.0000070)  | 0.00166 (0.00027, 0.00509) |
| DKI Jakarta | Transport injuries                                       | 1   | 25.0 (9.2, 56.0)     | 0.0000689 (0.0000253, 0.0001544) | 0.0452 (0.02593, 0.07054)  | 7.3 (2.7, 16.4)      | 0.0000212 (0.0000078, 0.0000475) | 0.01742 (0.00966, 0.02817) |
| DKI Jakarta | Other unintentional injuries                             | 1   | 4.5 (1.0, 13.3)      | 0.0000125 (0.0000028, 0.0000367) | 0.00808 (0.00248, 0.01911) | 1.7 (0.4, 5.2)       | 0.0000049 (0.0000011, 0.0000151) | 0.00394 (0.00119, 0.00943) |
| DKI Jakarta | Diarrheal diseases                                       | 5   | 18.3 (12.4, 26.1)    | 0.0000444 (0.0000301, 0.0000633) | 0.0751 (0.05207, 0.10344)  | 17.9 (12.4, 24.8)    | 0.0000455 (0.0000316, 0.0000629) | 0.11191 (0.07909, 0.14991) |
| DKI Jakarta | HIV/AIDS                                                 | 5   | 4.0 (1.2, 9.1)       | 0.0000098 (0.0000028, 0.0000222) | 0.01658 (0.00470, 0.03728) | 2.6 (0.8, 5.8)       | 0.0000066 (0.0000020, 0.0000146) | 0.01622 (0.00492, 0.03573) |
| DKI Jakarta | Lower respiratory infections                             | 5   | 23.0 (16.2, 30.9)    | 0.0000558 (0.0000393, 0.0000751) | 0.09423 (0.06686, 0.12274) | 15.1 (10.6, 20.2)    | 0.0000383 (0.0000268, 0.0000512) | 0.09429 (0.06773, 0.12361) |
| DKI Jakarta | Malaria                                                  | 5   | - (0.0, 0.2)         | 0.0000001 (0.0000000, 0.0000004) | 0.00014 (0.00000, 0.00076) | - (0.0, 0.1)         | 0.0000001 (0.0000000, 0.0000004) | 0.00015 (0.00000, 0.00085) |
| DKI Jakarta | Tuberculosis                                             | 5   | 4.2 (2.5, 6.7)       | 0.0000102 (0.0000060, 0.0000162) | 0.01717 (0.01035, 0.02702) | 2.8 (1.7, 4.3)       | 0.0000071 (0.0000042, 0.0000109) | 0.01734 (0.01064, 0.02692) |
| DKI Jakarta | Other communicable diseases                              | 5   | 56.1 (44.1, 68.9)    | 0.0001361 (0.0001069, 0.0001671) | 0.22999 (0.18904, 0.27257) | 39.3 (30.9, 48.6)    | 0.0000997 (0.0000785, 0.0001234) | 0.24519 (0.20013, 0.29019) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                               | Females           |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|-------------------------------|-------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                   | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Other malignant neoplasms                     | 5   | 10.3 (6.5, 15.8)     | 0.0000249 (0.0000157, 0.0000384) | 0.04213 (0.02688, 0.06320)    | 9.0 (5.9, 13.4)   | 0.0000229 (0.0000150, 0.0000340) | 0.05646 (0.03808, 0.08143) |
| DKI Jakarta | Cerebrovascular disease                       | 5   | 1.9 (0.9, 3.7)       | 0.0000047 (0.0000022, 0.0000090) | 0.00797 (0.00368, 0.01554)    | 2.2 (1.1, 3.8)    | 0.0000056 (0.0000027, 0.0000097) | 0.01381 (0.00681, 0.02395) |
| DKI Jakarta | Ischemic heart disease                        | 5   | 1.9 (0.7, 4.2)       | 0.0000047 (0.0000016, 0.0000101) | 0.00788 (0.00292, 0.01699)    | 2.1 (0.8, 4.1)    | 0.0000053 (0.0000020, 0.0000104) | 0.01301 (0.00502, 0.02503) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 5   | 1.4 (0.5, 3.2)       | 0.0000035 (0.0000013, 0.0000077) | 0.00594 (0.00211, 0.01311)    | 1.4 (0.6, 3.0)    | 0.0000035 (0.0000015, 0.0000075) | 0.00872 (0.00347, 0.01884) |
| DKI Jakarta | Diabetes mellitus                             | 5   | 2.2 (0.8, 4.8)       | 0.0000054 (0.0000020, 0.0000117) | 0.0091 (0.00338, 0.01949)     | 3.0 (1.2, 6.1)    | 0.0000075 (0.0000031, 0.0000156) | 0.01849 (0.00760, 0.03813) |
| DKI Jakarta | Chronic kidney disease                        | 5   | 3.1 (1.4, 5.8)       | 0.0000074 (0.0000034, 0.0000141) | 0.01252 (0.00580, 0.02351)    | 3.1 (1.4, 5.5)    | 0.0000079 (0.0000036, 0.0000140) | 0.01935 (0.00901, 0.03431) |
| DKI Jakarta | Cirrhosis                                     | 5   | 7.3 (3.9, 12.3)      | 0.0000178 (0.0000094, 0.0000299) | 0.03009 (0.01604, 0.04963)    | 3.4 (1.8, 5.7)    | 0.0000086 (0.0000046, 0.0000144) | 0.02118 (0.01123, 0.03484) |
| DKI Jakarta | Chronic respiratory diseases                  | 5   | 2.3 (1.0, 4.3)       | 0.0000055 (0.0000025, 0.0000105) | 0.00934 (0.00431, 0.01770)    | 0.8 (0.4, 1.5)    | 0.0000021 (0.0000009, 0.0000039) | 0.00513 (0.00240, 0.00961) |
| DKI Jakarta | Other non-communicable diseases               | 5   | 23.6 (16.9, 31.1)    | 0.0000573 (0.0000411, 0.0000753) | 0.09679 (0.07292, 0.12382)    | 24.0 (18.1, 31.2) | 0.000061 (0.0000460, 0.0000791)  | 0.15005 (0.11624, 0.18546) |
| DKI Jakarta | Drowning                                      | 5   | 12.3 (3.1, 29.1)     | 0.0000297 (0.0000076, 0.0000706) | 0.0502 (0.01354, 0.12019)     | 4.3 (1.1, 10.3)   | 0.0000108 (0.0000029, 0.0000262) | 0.02657 (0.00716, 0.06669) |
| DKI Jakarta | Falls                                         | 5   | 29.0 (15.9, 45.2)    | 0.0000702 (0.0000385, 0.0001097) | 0.11873 (0.06588, 0.18456)    | 13.6 (7.8, 20.7)  | 0.0000346 (0.0000199, 0.0000526) | 0.08503 (0.05124, 0.12864) |
| DKI Jakarta | Interpersonal violence                        | 5   | 0.4 (0.1, 1.6)       | 0.0000011 (0.0000002, 0.0000040) | 0.00181 (0.00027, 0.00657)    | 0.3 (0.1, 1.1)    | 0.0000008 (0.0000001, 0.0000029) | 0.00202 (0.00032, 0.00672) |
| DKI Jakarta | Transport injuries                            | 5   | 40.5 (26.0, 56.1)    | 0.0000982 (0.0000631, 0.0001361) | 0.16602 (0.10851, 0.22506)    | 14.4 (9.0, 20.6)  | 0.0000364 (0.0000229, 0.0000522) | 0.0897 (0.05703, 0.12774)  |
| DKI Jakarta | Other unintentional injuries                  | 5   | 2.0 (0.6, 5.1)       | 0.0000049 (0.0000015, 0.0000124) | 0.00826 (0.00246, 0.02078)    | 0.9 (0.3, 2.2)    | 0.0000022 (0.0000006, 0.0000056) | 0.00538 (0.00157, 0.01398) |
| DKI Jakarta | Diarrheal diseases                            | 10  | 8.2 (5.2, 12.1)      | 0.0000225 (0.0000144, 0.0000334) | 0.03698 (0.02338, 0.05445)    | 7.5 (4.9, 11.4)   | 0.0000211 (0.0000137, 0.0000318) | 0.0539 (0.03506, 0.07758)  |
| DKI Jakarta | HIV/AIDS                                      | 10  | 3.8 (1.5, 7.7)       | 0.0000105 (0.0000042, 0.0000212) | 0.01728 (0.00705, 0.03366)    | 2.4 (1.0, 4.5)    | 0.0000066 (0.0000029, 0.0000125) | 0.0169 (0.00763, 0.03219)  |
| DKI Jakarta | Lower respiratory infections                  | 10  | 14.6 (9.9, 20.3)     | 0.0000401 (0.0000273, 0.0000560) | 0.066 (0.04566, 0.09146)      | 8.9 (6.2, 12.3)   | 0.0000025 (0.0000175, 0.0000344) | 0.06373 (0.04514, 0.08669) |
| DKI Jakarta | Malaria                                       | 10  | 0.1 (0.0, 0.3)       | 0.0000002 (0.0000000, 0.0000008) | 0.00029 (0.00001, 0.00146)    | - (0.0, 0.2)      | 0.0000001 (0.0000000, 0.0000006) | 0.00032 (0.00001, 0.00164) |
| DKI Jakarta | Tuberculosis                                  | 10  | 9.1 (5.9, 13.5)      | 0.0000125 (0.0000161, 0.0000371) | 0.04106 (0.02721, 0.05825)    | 6.0 (4.1, 8.4)    | 0.0000168 (0.0000115, 0.0000235) | 0.04288 (0.02914, 0.05874) |
| DKI Jakarta | Maternal disorders                            | 10  |                      |                                  |                               | 2.3 (0.4, 6.2)    | 0.0000064 (0.0000010, 0.0000173) | 0.01642 (0.00266, 0.04333) |
| DKI Jakarta | Other communicable diseases                   | 10  | 38.4 (30.2, 47.3)    | 0.0001058 (0.0000830, 0.0001301) | 0.17394 (0.14044, 0.20967)    | 24.6 (19.3, 30.6) | 0.0000688 (0.0000539, 0.0000855) | 0.17573 (0.14034, 0.21007) |
| DKI Jakarta | Other malignant neoplasms                     | 10  | 13.9 (9.8, 18.9)     | 0.0000381 (0.0000270, 0.0000521) | 0.06266 (0.04515, 0.08309)    | 12.2 (9.3, 15.8)  | 0.0000341 (0.0000260, 0.0000442) | 0.08707 (0.06704, 0.11046) |
| DKI Jakarta | Cerebrovascular disease                       | 10  | 2.9 (1.7, 4.6)       | 0.0000078 (0.0000047, 0.0000126) | 0.0129 (0.00754, 0.02067)     | 3.1 (1.9, 4.7)    | 0.0000087 (0.0000054, 0.0000132) | 0.02213 (0.01366, 0.03322) |
| DKI Jakarta | Ischemic heart disease                        | 10  | 4.1 (2.4, 6.6)       | 0.0000113 (0.0000065, 0.0000181) | 0.01865 (0.01098, 0.02952)    | 4.3 (2.7, 6.5)    | 0.0000121 (0.0000075, 0.0000183) | 0.03101 (0.01979, 0.04629) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 10  | 1.9 (0.9, 3.4)       | 0.0000053 (0.0000025, 0.0000093) | 0.00867 (0.00424, 0.01525)    | 1.8 (0.9, 3.1)    | 0.0000051 (0.0000026, 0.0000085) | 0.01292 (0.00691, 0.02161) |
| DKI Jakarta | Diabetes mellitus                             | 10  | 2.9 (1.5, 5.0)       | 0.000008 (0.0000042, 0.0000137)  | 0.01311 (0.00690, 0.02242)    | 3.8 (2.2, 6.1)    | 0.0000107 (0.0000061, 0.0000171) | 0.02739 (0.01561, 0.04380) |
| DKI Jakarta | Chronic kidney disease                        | 10  | 3.9 (2.3, 6.2)       | 0.0000107 (0.0000062, 0.0000169) | 0.01767 (0.01022, 0.02768)    | 4.0 (2.4, 6.0)    | 0.0000111 (0.0000067, 0.0000168) | 0.02834 (0.01708, 0.04220) |
| DKI Jakarta | Cirrhosis                                     | 10  | 7.9 (4.9, 11.7)      | 0.0000217 (0.0000135, 0.0000321) | 0.03562 (0.02273, 0.05173)    | 3.5 (2.2, 5.1)    | 0.0000097 (0.0000062, 0.0000142) | 0.02487 (0.01599, 0.03592) |
| DKI Jakarta | Chronic respiratory diseases                  | 10  | 4.2 (2.4, 7.0)       | 0.0000116 (0.0000067, 0.0000191) | 0.01911 (0.01099, 0.03152)    | 1.6 (0.9, 2.6)    | 0.0000045 (0.0000026, 0.0000072) | 0.01141 (0.00673, 0.01835) |
| DKI Jakarta | Other non-communicable diseases               | 10  | 24.7 (19.0, 30.7)    | 0.0000679 (0.0000524, 0.0000845) | 0.11169 (0.08973, 0.13568)    | 24.2 (19.0, 29.2) | 0.0000676 (0.0000530, 0.0000818) | 0.17259 (0.14371, 0.20241) |
| DKI Jakarta | Drowning                                      | 10  | 5.3 (1.5, 14.2)      | 0.0000147 (0.0000040, 0.0000392) | 0.02417 (0.00656, 0.06424)    | 1.6 (0.4, 4.5)    | 0.0000045 (0.0000012, 0.0000125) | 0.01141 (0.00315, 0.03194) |
| DKI Jakarta | Falls                                         | 10  | 21.7 (12.0, 36.4)    | 0.0000598 (0.0000330, 0.0001002) | 0.09829 (0.05541, 0.15880)    | 9.2 (5.4, 14.6)   | 0.0000258 (0.0000152, 0.0000407) | 0.06582 (0.03933, 0.10040) |
| DKI Jakarta | Interpersonal violence                        | 10  | 0.6 (0.1, 1.7)       | 0.0000015 (0.0000003, 0.0000048) | 0.00252 (0.00048, 0.00780)    | 0.4 (0.1, 1.2)    | 0.0000011 (0.0000002, 0.0000033) | 0.00287 (0.00061, 0.00858) |
| DKI Jakarta | Self-harm                                     | 10  | 0.4 (0.0, 1.3)       | 0.000001 (0.0000001, 0.0000036)  | 0.00168 (0.00021, 0.00598)    | 0.2 (0.0, 0.8)    | 0.0000006 (0.0000001, 0.0000022) | 0.00165 (0.00022, 0.00549) |
| DKI Jakarta | Transport injuries                            | 10  | 50.9 (37.3, 64.7)    | 0.00014 (0.0001027, 0.0001781)   | 0.23018 (0.17039, 0.28873)    | 17.6 (12.4, 23.8) | 0.0000492 (0.0000347, 0.0000667) | 0.12581 (0.08974, 0.16601) |
| DKI Jakarta | Other unintentional injuries                  | 10  | 1.7 (0.5, 4.1)       | 0.0000046 (0.0000015, 0.0000112) | 0.00753 (0.00243, 0.01804)    | 0.7 (0.2, 1.7)    | 0.0000019 (0.0000006, 0.0000048) | 0.00483 (0.00158, 0.01224) |
| DKI Jakarta | Diarrheal diseases                            | 15  | 7.4 (3.9, 12.7)      | 0.0000182 (0.0000097, 0.0000312) | 0.01682 (0.00959, 0.02618)    | 5.4 (3.1, 8.7)    | 0.0000121 (0.0000068, 0.0000194) | 0.01941 (0.01107, 0.03026) |
| DKI Jakarta | HIV/AIDS                                      | 15  | 5.7 (2.3, 12.0)      | 0.0000141 (0.0000057, 0.0000295) | 0.01305 (0.00551, 0.02479)    | 3.0 (1.2, 6.0)    | 0.0000067 (0.0000027, 0.0000134) | 0.01075 (0.00430, 0.02133) |
| DKI Jakarta | Lower respiratory infections                  | 15  | 10.1 (6.4, 15.6)     | 0.0000247 (0.0000157, 0.0000384) | 0.02292 (0.01587, 0.03247)    | 5.1 (3.2, 7.4)    | 0.0000112 (0.0000070, 0.0000165) | 0.01809 (0.01183, 0.02657) |
| DKI Jakarta | Malaria                                       | 15  | 0.4 (0.0, 1.8)       | 0.0000009 (0.0000000, 0.0000045) | 0.00008 (0.000003, 0.0000399) | 0.2 (0.0, 1.0)    | 0.0000004 (0.0000000, 0.0000021) | 0.00063 (0.00002, 0.00335) |
| DKI Jakarta | Tuberculosis                                  | 15  | 30.9 (22.1, 46.1)    | 0.0000759 (0.0000542, 0.0001132) | 0.0703 (0.05411, 0.08950)     | 15.3 (11.1, 20.8) | 0.000034 (0.0000247, 0.0000463)  | 0.05469 (0.04082, 0.07271) |
| DKI Jakarta | Maternal disorders                            | 15  |                      |                                  |                               | 16.2 (9.1, 24.9)  | 0.000036 (0.0000203, 0.0000552)  | 0.05799 (0.03353, 0.08821) |
| DKI Jakarta | Other communicable diseases                   | 15  | 39.5 (28.3, 59.8)    | 0.0000971 (0.0000695, 0.0001468) | 0.0899 (0.06982, 0.11167)     | 20.2 (14.0, 27.3) | 0.000045 (0.0000312, 0.0000607)  | 0.07232 (0.05292, 0.09349) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 15  | 7.0 (2.6, 14.4)      | 0.0000171 (0.0000063, 0.0000354) | 0.01586 (0.00597, 0.03105)    | 2.0 (0.7, 4.1)    | 0.0000043 (0.0000016, 0.0000092) | 0.00697 (0.00262, 0.01430) |
| DKI Jakarta | Breast cancer                                 | 15  | 0.2 (0.0, 0.7)       | 0.0000004 (0.0000001, 0.0000017) | 0.00041 (0.000005, 0.00158)   | 3.4 (1.1, 7.2)    | 0.0000075 (0.0000024, 0.0000160) | 0.012 (0.00378, 0.02570)   |
| DKI Jakarta | Cervical cancer                               | 15  |                      |                                  |                               | 2.6 (0.8, 5.8)    | 0.0000057 (0.0000018, 0.0000128) | 0.00915 (0.00316, 0.02049) |
| DKI Jakarta | Other malignant neoplasms                     | 15  | 29.3 (21.0, 43.6)    | 0.0000719 (0.0000515, 0.0001071) | 0.06665 (0.05174, 0.08513)    | 25.7 (18.8, 33.5) | 0.0000571 (0.0000418, 0.0000744) | 0.09185 (0.06969, 0.11592) |
| DKI Jakarta | Cerebrovascular disease                       | 15  | 7.2 (4.1, 11.6)      | 0.0000177 (0.0000102, 0.0000286) | 0.01641 (0.01023, 0.02484)    | 7.4 (4.6, 11.0)   | 0.0000165 (0.0000102, 0.0000245) | 0.02651 (0.01648, 0.03904) |
| DKI Jakarta | Ischemic heart disease                        | 15  | 19.0 (12.6, 27.9)    | 0.0000467 (0.0000310, 0.0000686) | 0.04335 (0.03087, 0.05838)    | 16.4 (11.5, 22.6) | 0.0000364 (0.0000255, 0.0000501) | 0.05852 (0.04282, 0.07773) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 15  | 4.6 (2.4, 7.9)       | 0.0000112 (0.0000058, 0.0000193) | 0.01036 (0.00569, 0.01727)    | 4.3 (2.3, 7.1)    | 0.0000096 (0.0000052, 0.0000158) | 0.01539 (0.00847, 0.02528) |
| DKI Jakarta | Diabetes mellitus                             | 15  | 7.6 (4.1, 12.9)      | 0.0000187 (0.0000100, 0.0000318) | 0.01729 (0.00955, 0.02689)    | 10.0 (5.7, 15.8)  | 0.0000221 (0.0000127, 0.0000352) | 0.0356 (0.02112, 0.05489)  |
| DKI Jakarta | Chronic kidney disease                        | 15  | 10.1 (6.1, 15.9)     | 0.0000247 (0.0000150, 0.0000390) | 0.02285 (0.01493, 0.03340)    | 10.0 (6.2, 14.8)  | 0.0000222 (0.0000138, 0.0000328) | 0.03564 (0.02292, 0.05189) |
| DKI Jakarta | Cirrhosis                                     | 15  | 13.6 (8.5, 21.5)     | 0.0000335 (0.0000210, 0.0000529) | 0.03103 (0.02077, 0.04426)    | 6.2 (4.0, 9.4)    | 0.0000138 (0.0000088, 0.0000208) | 0.02225 (0.01449, 0.03265) |
| DKI Jakarta | Chronic respiratory diseases                  | 15  | 6.5 (3.6, 10.4)      | 0.0000116 (0.0000089, 0.0000254) | 0.0148 (0.00875, 0.02277)     | 3.0 (1.7, 4.7)    | 0.0000066 (0.0000038, 0.0000105) | 0.01061 (0.00644, 0.01639) |
| DKI Jakarta | Other non-communicable diseases               | 15  | 42.5 (31.4, 59.7)    | 0.0001044 (0.0000770, 0.0001467) | 0.09679 (0.07815, 0.11637)    | 40.2 (31.3, 50.2) | 0.0000893 (0.0000696, 0.0001115) | 0.14363 (0.11810, 0.17209) |
| DKI Jakarta | Drowning                                      | 15  | 2.3 (0.6, 6.7)       | 0.0000057 (0.0000014, 0.0000164) | 0.00531 (0.00134, 0.01519)    | 0.8 (0.2, 2.3)    | 0.0000018 (0.0000004, 0.0000051) | 0.00285 (0.00069, 0.00816) |
| DKI Jakarta | Falls                                         | 15  | 20.5 (12.4, 33.3)    | 0.0000504 (0.0000305, 0.0000817) | 0.04676 (0.03014, 0.07056)    | 9.6 (5.9, 14.8)   | 0.0000213 (0.0000130, 0.0000329) | 0.03423 (0.02153, 0.05193) |
| DKI Jakarta | Interpersonal violence                        | 15  | 2.1 (0.5, 5.4)       | 0.0000051 (0.0000012, 0.0000132) | 0.00472 (0.00111, 0.01201)    | 1.5 (0.4, 4.1)    | 0.0000033 (0.0000008, 0.0000090) | 0.00532 (0.00131, 0.01477) |
| DKI Jakarta | Self-harm                                     | 15  | 1.3 (0.2, 3.8)       | 0.0000032 (0.0000005, 0.0000092) | 0.00293 (0.00051, 0.00861)    | 0.8 (0.1, 2.3)    | 0.0000017 (0.0000003, 0.0000052) | 0.00279 (0.00049, 0.00821) |
| DKI Jakarta | Transport injuries                            | 15  | 168.7 (132.9, 246.4) | 0.0004142 (0.0003263, 0.0006052) | 0.38334 (0.33919, 0.42188)    | 69.4 (54.1, 84.7) | 0.0001542 (0.0001203, 0.0001882) | 0.24793 (0.21032, 0.28475) |
| DKI Jakarta | Other unintentional injuries                  | 15  | 3.2 (1.1, 7.5)       | 0.0000079 (0.0000026, 0.0000184) | 0.00735 (0.00255, 0.01789)    | 1.4 (0.4, 3.3)    | 0.000003 (0.0000010, 0.0000074)  | 0.00488 (0.00161, 0.01144) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Diarrheal diseases                            | 20  | 10.1 (5.9, 17.2)     | 0.0000195 (0.0000113, 0.0000332) | 0.01334 (0.00833, 0.02097) | 5.4 (3.2, 8.6)    | 0.0000101 (0.0000059, 0.0000162) | 0.01451 (0.00881, 0.02232) |
| DKI Jakarta | HIV/AIDS                                      | 20  | 27.8 (15.5, 47.0)    | 0.0000538 (0.0000299, 0.0000910) | 0.03683 (0.02175, 0.05910) | 10.1 (5.5, 16.4)  | 0.000019 (0.0000104, 0.0000310)  | 0.02717 (0.01580, 0.04276) |
| DKI Jakarta | Lower respiratory infections                  | 20  | 13.9 (8.7, 21.8)     | 0.0000268 (0.0000168, 0.0000422) | 0.01839 (0.01251, 0.02590) | 4.3 (2.6, 6.5)    | 0.0000082 (0.0000050, 0.0000123) | 0.01175 (0.00735, 0.01751) |
| DKI Jakarta | Malaria                                       | 20  | 0.6 (0.0, 3.4)       | 0.0000012 (0.0000000, 0.0000066) | 0.00085 (0.00003, 0.00446) | 0.2 (0.0, 1.2)    | 0.0000004 (0.0000000, 0.0000024) | 0.00064 (0.00002, 0.00310) |
| DKI Jakarta | Tuberculosis                                  | 20  | 93.9 (69.4, 137.3)   | 0.0001818 (0.0001342, 0.0002656) | 0.12448 (0.10009, 0.14869) | 28.0 (19.8, 37.6) | 0.0000529 (0.0000373, 0.0000710) | 0.07567 (0.05649, 0.09706) |
| DKI Jakarta | Maternal disorders                            | 20  |                      |                                  |                            | 33.5 (21.2, 48.2) | 0.0000633 (0.0000401, 0.0000909) | 0.09066 (0.05946, 0.12774) |
| DKI Jakarta | Other communicable diseases                   | 20  | 69.0 (49.5, 104.5)   | 0.0001335 (0.0000957, 0.0002023) | 0.09139 (0.07296, 0.11233) | 25.6 (18.2, 35.5) | 0.0000483 (0.0000343, 0.0000670) | 0.06917 (0.05100, 0.08907) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 20  | 8.5 (3.4, 18.4)      | 0.0000164 (0.0000066, 0.0000355) | 0.01121 (0.00462, 0.02319) | 3.6 (1.8, 6.5)    | 0.0000068 (0.0000033, 0.0000123) | 0.00978 (0.00501, 0.01709) |
| DKI Jakarta | Breast cancer                                 | 20  | 0.5 (0.1, 1.4)       | 0.0000009 (0.0000002, 0.0000027) | 0.00064 (0.00013, 0.00180) | 12.5 (7.0, 19.4)  | 0.0000236 (0.0000132, 0.0000367) | 0.0338 (0.01982, 0.05073)  |
| DKI Jakarta | Cervical cancer                               | 20  |                      |                                  |                            | 6.0 (2.9, 10.9)   | 0.0000113 (0.0000056, 0.0000207) | 0.01621 (0.00816, 0.02851) |
| DKI Jakarta | Other malignant neoplasms                     | 20  | 43.3 (30.8, 64.5)    | 0.0000837 (0.0000595, 0.0001248) | 0.05732 (0.04491, 0.07189) | 35.1 (25.6, 47.0) | 0.0000663 (0.0000484, 0.0000886) | 0.09488 (0.07377, 0.11911) |
| DKI Jakarta | Cerebrovascular disease                       | 20  | 20.5 (14.2, 31.6)    | 0.0000396 (0.0000274, 0.0000611) | 0.02712 (0.02028, 0.03530) | 14.1 (9.9, 18.8)  | 0.0000267 (0.0000187, 0.0000355) | 0.03819 (0.02883, 0.04914) |
| DKI Jakarta | Ischemic heart disease                        | 20  | 53.4 (38.6, 81.5)    | 0.0001033 (0.0000747, 0.0001577) | 0.07075 (0.05626, 0.08808) | 24.4 (18.0, 33.2) | 0.0000461 (0.0000339, 0.0000626) | 0.0659 (0.05111, 0.08301)  |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 20  | 10.5 (6.4, 17.3)     | 0.0000203 (0.0000125, 0.0000334) | 0.01388 (0.00901, 0.02003) | 7.7 (5.0, 11.2)   | 0.0000145 (0.0000095, 0.0000212) | 0.02072 (0.01435, 0.02962) |
| DKI Jakarta | Diabetes mellitus                             | 20  | 11.7 (6.7, 19.3)     | 0.0000227 (0.0000130, 0.0000374) | 0.01554 (0.00960, 0.02228) | 11.4 (7.2, 16.9)  | 0.0000215 (0.0000136, 0.0000320) | 0.03083 (0.01970, 0.04374) |
| DKI Jakarta | Chronic kidney disease                        | 20  | 25.1 (16.7, 38.2)    | 0.0000487 (0.0000323, 0.0000738) | 0.03332 (0.02343, 0.04482) | 18.4 (12.6, 25.5) | 0.0000348 (0.0000237, 0.0000482) | 0.04979 (0.03628, 0.06635) |
| DKI Jakarta | Cirrhosis                                     | 20  | 33.7 (23.0, 50.0)    | 0.0000653 (0.0000446, 0.0000967) | 0.04478 (0.03317, 0.05949) | 11.5 (8.0, 16.3)  | 0.0000216 (0.0000151, 0.0000308) | 0.03097 (0.02265, 0.04156) |
| DKI Jakarta | Chronic respiratory diseases                  | 20  | 21.7 (14.0, 33.5)    | 0.000042 (0.0000270, 0.0000648)  | 0.02875 (0.02012, 0.03901) | 9.1 (6.0, 12.9)   | 0.0000172 (0.0000114, 0.0000244) | 0.02463 (0.01736, 0.03346) |
| DKI Jakarta | Other non-communicable diseases               | 20  | 61.1 (45.7, 91.5)    | 0.0001183 (0.0000885, 0.0001770) | 0.08105 (0.06581, 0.10001) | 41.8 (32.4, 53.3) | 0.000079 (0.0000612, 0.0001006)  | 0.11309 (0.09293, 0.13649) |
| DKI Jakarta | Drowning                                      | 20  | 2.4 (0.5, 6.9)       | 0.0000046 (0.0000010, 0.0000133) | 0.00317 (0.00074, 0.00920) | 0.5 (0.1, 1.6)    | 0.000001 (0.0000002, 0.0000030)  | 0.00147 (0.00033, 0.00421) |
| DKI Jakarta | Falls                                         | 20  | 29.6 (18.1, 47.8)    | 0.0000573 (0.0000350, 0.0000924) | 0.03932 (0.02510, 0.05797) | 9.2 (5.5, 14.2)   | 0.0000174 (0.0000103, 0.0000268) | 0.02497 (0.01554, 0.03756) |
| DKI Jakarta | Interpersonal violence                        | 20  | 3.8 (1.0, 10.3)      | 0.0000074 (0.0000019, 0.0000198) | 0.00512 (0.00135, 0.01300) | 1.9 (0.5, 5.1)    | 0.0000035 (0.0000009, 0.0000097) | 0.00504 (0.00132, 0.01344) |
| DKI Jakarta | Self-harm                                     | 20  | 2.1 (0.4, 6.2)       | 0.0000041 (0.0000007, 0.0000119) | 0.00277 (0.00052, 0.00788) | 0.9 (0.1, 2.5)    | 0.0000016 (0.0000003, 0.0000048) | 0.0023 (0.00038, 0.00667)  |
| DKI Jakarta | Transport injuries                            | 20  | 205.7 (161.8, 303.7) | 0.0003981 (0.0003131, 0.0005876) | 0.2727 (0.23574, 0.30864)  | 53.2 (40.7, 67.8) | 0.0001003 (0.0000768, 0.0001280) | 0.14366 (0.11802, 0.17170) |
| DKI Jakarta | Other unintentional injuries                  | 20  | 5.5 (1.8, 13.3)      | 0.0000106 (0.0000035, 0.0000258) | 0.00726 (0.00254, 0.01754) | 1.6 (0.5, 4.0)    | 0.0000029 (0.0000009, 0.0000075) | 0.0042 (0.00138, 0.01042)  |
| DKI Jakarta | Diarrheal diseases                            | 25  | 15.9 (9.7, 24.7)     | 0.0000261 (0.0000160, 0.0000405) | 0.01579 (0.01014, 0.02290) | 7.1 (4.1, 10.9)   | 0.0000122 (0.0000071, 0.0000187) | 0.01582 (0.01002, 0.02296) |
| DKI Jakarta | HIV/AIDS                                      | 25  | 56.3 (35.6, 85.5)    | 0.0000924 (0.0000585, 0.0001404) | 0.05593 (0.03687, 0.07813) | 16.9 (10.2, 25.5) | 0.000029 (0.0000176, 0.0000439)  | 0.03753 (0.02416, 0.05414) |
| DKI Jakarta | Lower respiratory infections                  | 25  | 14.7 (9.4, 21.7)     | 0.0000241 (0.0000154, 0.0000356) | 0.01459 (0.00984, 0.02012) | 3.8 (2.2, 5.8)    | 0.0000066 (0.0000039, 0.0000099) | 0.00851 (0.00543, 0.01235) |
| DKI Jakarta | Malaria                                       | 25  | 0.8 (0.0, 4.4)       | 0.0000014 (0.0000001, 0.0000072) | 0.00084 (0.00003, 0.00436) | 0.3 (0.0, 1.5)    | 0.0000004 (0.0000000, 0.0000026) | 0.00057 (0.00002, 0.00326) |
| DKI Jakarta | Tuberculosis                                  | 25  | 146.1 (112.6, 202.6) | 0.0002398 (0.0001848, 0.0003327) | 0.14519 (0.12072, 0.16913) | 35.2 (24.5, 48.1) | 0.0000605 (0.0000421, 0.0000826) | 0.07828 (0.06010, 0.09751) |
| DKI Jakarta | Maternal disorders                            | 25  |                      |                                  |                            | 46.2 (30.3, 65.4) | 0.0000794 (0.0000520, 0.0001124) | 0.10282 (0.07260, 0.13456) |
| DKI Jakarta | Other communicable diseases                   | 25  | 78.6 (58.6, 114.4)   | 0.000129 (0.0000962, 0.0001879)  | 0.07803 (0.06204, 0.09528) | 24.6 (17.0, 34.0) | 0.0000423 (0.0000293, 0.0000585) | 0.05475 (0.04120, 0.07093) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 25  | 7.9 (2.6, 19.1)      | 0.0000129 (0.0000042, 0.0000314) | 0.00782 (0.00263, 0.01758) | 4.8 (2.5, 8.2)    | 0.0000082 (0.0000043, 0.0000141) | 0.01056 (0.00592, 0.01699) |
| DKI Jakarta | Breast cancer                                 | 25  | 0.7 (0.2, 1.6)       | 0.0000011 (0.0000003, 0.0000027) | 0.00065 (0.00021, 0.00158) | 28.1 (18.2, 39.5) | 0.0000482 (0.0000313, 0.0000679) | 0.06248 (0.04384, 0.08204) |
| DKI Jakarta | Cervical cancer                               | 25  |                      |                                  |                            | 10.2 (5.2, 17.3)  | 0.0000174 (0.0000089, 0.0000298) | 0.02255 (0.01217, 0.03584) |
| DKI Jakarta | Other malignant neoplasms                     | 25  | 79.3 (61.1, 114.2)   | 0.0001301 (0.0001003, 0.0001874) | 0.07879 (0.06570, 0.09331) | 41.4 (30.3, 56.6) | 0.0000712 (0.0000521, 0.0000973) | 0.09218 (0.07301, 0.11282) |
| DKI Jakarta | Cerebrovascular disease                       | 25  | 40.5 (30.9, 57.8)    | 0.0000665 (0.0000507, 0.0000949) | 0.0403 (0.03254, 0.04922)  | 23.0 (17.6, 30.5) | 0.0000396 (0.0000302, 0.0000524) | 0.05123 (0.04244, 0.06170) |
| DKI Jakarta | Ischemic heart disease                        | 25  | 109.7 (86.8, 154.5)  | 0.0001801 (0.0001425, 0.0002536) | 0.10903 (0.09387, 0.12660) | 40.4 (30.9, 54.3) | 0.0000695 (0.0000531, 0.0000933) | 0.08989 (0.07652, 0.10522) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 25  | 16.4 (11.4, 24.9)    | 0.0000269 (0.0000186, 0.0000409) | 0.01629 (0.01186, 0.02155) | 9.9 (6.9, 14.3)   | 0.0000171 (0.0000119, 0.0000247) | 0.02208 (0.01640, 0.02947) |
| DKI Jakarta | Diabetes mellitus                             | 25  | 24.5 (17.0, 36.3)    | 0.0000402 (0.0000279, 0.0000595) | 0.02437 (0.01808, 0.03223) | 19.0 (13.2, 26.6) | 0.0000327 (0.0000226, 0.0000457) | 0.04234 (0.03193, 0.05474) |
| DKI Jakarta | Chronic kidney disease                        | 25  | 36.4 (25.8, 52.5)    | 0.0000598 (0.0000424, 0.0000861) | 0.03618 (0.02693, 0.04653) | 21.3 (14.4, 30.1) | 0.0000366 (0.0000247, 0.0000518) | 0.04729 (0.03573, 0.06031) |
| DKI Jakarta | Cirrhosis                                     | 25  | 54.9 (41.1, 76.2)    | 0.0000901 (0.0000675, 0.0001251) | 0.05459 (0.04278, 0.06806) | 15.2 (10.8, 21.1) | 0.0000261 (0.0000186, 0.0000362) | 0.03375 (0.02594, 0.04375) |
| DKI Jakarta | Chronic respiratory diseases                  | 25  | 33.9 (24.3, 48.5)    | 0.0000557 (0.0000399, 0.0000796) | 0.03377 (0.02533, 0.04408) | 11.4 (7.8, 15.9)  | 0.0000196 (0.0000134, 0.0000273) | 0.02537 (0.01895, 0.03349) |
| DKI Jakarta | Other non-communicable diseases               | 25  | 81.2 (63.4, 113.5)   | 0.0001332 (0.0001040, 0.0001863) | 0.08073 (0.06871, 0.09512) | 45.9 (35.1, 59.7) | 0.0000789 (0.0000603, 0.0001026) | 0.10213 (0.08721, 0.11821) |
| DKI Jakarta | Drowning                                      | 25  | 1.5 (0.3, 4.6)       | 0.0000024 (0.0000006, 0.0000075) | 0.00146 (0.00035, 0.00452) | 0.3 (0.1, 0.9)    | 0.0000005 (0.0000001, 0.0000015) | 0.00063 (0.00015, 0.00189) |
| DKI Jakarta | Falls                                         | 25  | 42.8 (27.0, 65.1)    | 0.0000703 (0.0000444, 0.0001068) | 0.0426 (0.02807, 0.06097)  | 11.1 (6.9, 16.9)  | 0.000019 (0.0000119, 0.0000290)  | 0.0246 (0.01627, 0.03512)  |
| DKI Jakarta | Interpersonal violence                        | 25  | 4.8 (1.3, 12.0)      | 0.0000078 (0.0000022, 0.0000197) | 0.00474 (0.00130, 0.01204) | 1.8 (0.5, 4.8)    | 0.0000031 (0.0000008, 0.0000082) | 0.00406 (0.00114, 0.01050) |
| DKI Jakarta | Self-harm                                     | 25  | 2.5 (0.4, 7.2)       | 0.0000041 (0.0000007, 0.0000118) | 0.00247 (0.00046, 0.00708) | 0.8 (0.1, 2.3)    | 0.0000014 (0.0000002, 0.0000040) | 0.00177 (0.00030, 0.00520) |
| DKI Jakarta | Transport injuries                            | 25  | 149.4 (114.3, 215.1) | 0.0002453 (0.0001876, 0.0003531) | 0.14853 (0.12180, 0.17672) | 29.3 (20.7, 41.3) | 0.0000503 (0.0000356, 0.0000710) | 0.06506 (0.05042, 0.08253) |
| DKI Jakarta | Other unintentional injuries                  | 25  | 7.4 (2.5, 17.8)      | 0.0000121 (0.0000040, 0.0000291) | 0.00731 (0.00255, 0.01714) | 1.7 (0.5, 4.2)    | 0.0000029 (0.0000009, 0.0000073) | 0.00375 (0.00122, 0.00911) |
| DKI Jakarta | Diarrheal diseases                            | 30  | 15.6 (9.7, 24.0)     | 0.0000289 (0.0000179, 0.0000446) | 0.01597 (0.01028, 0.02278) | 7.2 (4.4, 11.2)   | 0.0000145 (0.0000089, 0.0000225) | 0.01545 (0.00980, 0.02201) |
| DKI Jakarta | HIV/AIDS                                      | 30  | 48.9 (32.1, 73.3)    | 0.0000909 (0.0000597, 0.0001362) | 0.05027 (0.03526, 0.07010) | 16.0 (10.2, 24.9) | 0.0000322 (0.0000204, 0.0000499) | 0.03422 (0.02292, 0.04791) |
| DKI Jakarta | Lower respiratory infections                  | 30  | 11.6 (7.7, 17.4)     | 0.0000216 (0.0000143, 0.0000324) | 0.01192 (0.00827, 0.01617) | 3.3 (2.0, 5.2)    | 0.0000067 (0.0000040, 0.0000105) | 0.00714 (0.00467, 0.01057) |
| DKI Jakarta | Malaria                                       | 30  | 0.6 (0.0, 3.2)       | 0.0000012 (0.0000000, 0.0000059) | 0.00064 (0.00003, 0.00326) | 0.2 (0.0, 1.1)    | 0.0000004 (0.0000000, 0.0000021) | 0.0004 (0.00001, 0.00212)  |
| DKI Jakarta | Tuberculosis                                  | 30  | 126.0 (97.6, 180.1)  | 0.0002341 (0.0001814, 0.0003346) | 0.12937 (0.10893, 0.15048) | 31.9 (22.0, 44.9) | 0.0000639 (0.0000443, 0.0000900) | 0.06801 (0.05149, 0.08538) |
| DKI Jakarta | Maternal disorders                            | 30  |                      |                                  |                            | 39.5 (25.6, 58.8) | 0.0000792 (0.0000513, 0.0001179) | 0.0843 (0.06087, 0.11266)  |
| DKI Jakarta | Other communicable diseases                   | 30  | 47.9 (34.9, 69.9)    | 0.000089 (0.0000649, 0.0001298)  | 0.04925 (0.03809, 0.06266) | 15.8 (10.7, 22.8) | 0.0000318 (0.0000214, 0.0000457) | 0.0338 (0.02500, 0.04423)  |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 30  | 16.7 (6.6, 34.4)     | 0.000031 (0.0000122, 0.0000640)  | 0.01713 (0.00689, 0.03534) | 5.0 (2.7, 8.5)    | 0.0000101 (0.0000055, 0.0000171) | 0.01067 (0.00642, 0.01667) |
| DKI Jakarta | Breast cancer                                 | 30  | 0.6 (0.1, 1.8)       | 0.0000011 (0.0000003, 0.0000034) | 0.00062 (0.00014, 0.00186) | 40.0 (27.6, 56.3) | 0.0000803 (0.0000553, 0.0001130) | 0.08542 (0.06592, 0.10621) |
| DKI Jakarta | Cervical cancer                               | 30  |                      |                                  |                            | 13.2 (7.2, 21.3)  | 0.0000265 (0.0000145, 0.0000427) | 0.02814 (0.01720, 0.04102) |
| DKI Jakarta | Other malignant neoplasms                     | 30  | 87.3 (67.2, 122.2)   | 0.0001622 (0.0001248, 0.0002270) | 0.08967 (0.07652, 0.10555) | 38.8 (27.9, 54.1) | 0.0000778 (0.0000560, 0.0001087) | 0.08277 (0.06590, 0.10200) |
| DKI Jakarta | Cerebrovascular disease                       | 30  | 56.1 (43.5, 78.6)    | 0.0001041 (0.0000808, 0.0001460) | 0.05758 (0.04821, 0.06822) | 33.4 (25.3, 45.9) | 0.000067 (0.0000507, 0.0000921)  | 0.07128 (0.06139, 0.08273) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                            | Females             |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Ischemic heart disease                        | 30  | 141.0 (113.2, 194.6) | 0.000262 (0.0002103, 0.0003614)  | 0.14489 (0.12816, 0.16325) | 53.1 (39.6, 72.4)   | 0.0001065 (0.0000795, 0.0001453) | 0.11329 (0.09980, 0.12713) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 30  | 17.3 (12.2, 25.4)    | 0.0000321 (0.0000227, 0.0000472) | 0.01771 (0.01332, 0.02277) | 11.0 (7.7, 15.6)    | 0.000022 (0.0000155, 0.0000312)  | 0.02343 (0.01808, 0.03021) |
| DKI Jakarta | Diabetes mellitus                             | 30  | 35.8 (26.3, 51.5)    | 0.0000665 (0.0000488, 0.0000957) | 0.03677 (0.02922, 0.04603) | 28.2 (20.2, 39.8)   | 0.0000566 (0.0000405, 0.0000799) | 0.06023 (0.04847, 0.07290) |
| DKI Jakarta | Chronic kidney disease                        | 30  | 35.5 (25.5, 50.9)    | 0.0000659 (0.0000474, 0.0000945) | 0.03641 (0.02762, 0.04637) | 21.0 (14.2, 30.2)   | 0.0000421 (0.0000285, 0.0000607) | 0.0448 (0.03434, 0.05678)  |
| DKI Jakarta | Cirrhosis                                     | 30  | 63.3 (47.3, 90.4)    | 0.0001175 (0.0000879, 0.0001680) | 0.06501 (0.05146, 0.07941) | 18.4 (13.1, 25.5)   | 0.0000369 (0.0000264, 0.0000512) | 0.03923 (0.03085, 0.04957) |
| DKI Jakarta | Chronic respiratory diseases                  | 30  | 29.5 (20.6, 42.7)    | 0.0000549 (0.0000383, 0.0000793) | 0.03035 (0.02262, 0.03905) | 10.7 (7.3, 15.4)    | 0.0000215 (0.0000146, 0.0000310) | 0.0229 (0.01704, 0.02966)  |
| DKI Jakarta | Other non-communicable diseases               | 30  | 73.0 (57.5, 102.0)   | 0.0001356 (0.0001069, 0.0001894) | 0.07503 (0.06324, 0.08758) | 43.4 (32.1, 58.6)   | 0.0000872 (0.0000643, 0.0001176) | 0.09275 (0.07922, 0.10710) |
| DKI Jakarta | Drowning                                      | 30  | 1.4 (0.3, 4.4)       | 0.0000026 (0.0000006, 0.0000082) | 0.00146 (0.00035, 0.00454) | 0.3 (0.1, 0.9)      | 0.0000006 (0.0000001, 0.0000019) | 0.00065 (0.00015, 0.00199) |
| DKI Jakarta | Falls                                         | 30  | 43.7 (28.2, 65.3)    | 0.0000812 (0.0000524, 0.0001213) | 0.0449 (0.03046, 0.06223)  | 12.2 (7.8, 18.3)    | 0.0000244 (0.0000157, 0.0000366) | 0.02603 (0.01790, 0.03579) |
| DKI Jakarta | Interpersonal violence                        | 30  | 3.3 (0.9, 8.9)       | 0.0000061 (0.0000016, 0.0000166) | 0.00338 (0.00091, 0.00921) | 1.3 (0.3, 3.3)      | 0.0000025 (0.0000007, 0.0000066) | 0.0027 (0.00072, 0.00690)  |
| DKI Jakarta | Self-harm                                     | 30  | 1.7 (0.3, 4.9)       | 0.0000031 (0.0000005, 0.0000091) | 0.00173 (0.00033, 0.00505) | 0.5 (0.1, 1.7)      | 0.0000011 (0.0000002, 0.0000034) | 0.00114 (0.00019, 0.00334) |
| DKI Jakarta | Transport injuries                            | 30  | 110.9 (85.0, 165.6)  | 0.000206 (0.0001579, 0.0003077)  | 0.11393 (0.09201, 0.13844) | 22.6 (15.4, 32.6)   | 0.0000454 (0.0000310, 0.0000654) | 0.04828 (0.03662, 0.06136) |
| DKI Jakarta | Other unintentional injuries                  | 30  | 5.9 (2.0, 13.7)      | 0.0000109 (0.0000038, 0.0000255) | 0.00601 (0.00222, 0.01409) | 1.4 (0.5, 3.5)      | 0.0000028 (0.0000009, 0.0000071) | 0.00297 (0.00102, 0.00731) |
| DKI Jakarta | Diarrheal diseases                            | 35  | 12.6 (8.1, 20.0)     | 0.0000278 (0.0000180, 0.0000442) | 0.01167 (0.00794, 0.01708) | 7.9 (4.8, 12.4)     | 0.0000193 (0.0000117, 0.0000302) | 0.0136 (0.00910, 0.01961)  |
| DKI Jakarta | HIV/AIDS                                      | 35  | 40.9 (25.6, 63.5)    | 0.0000902 (0.0000565, 0.0001400) | 0.03791 (0.02596, 0.05356) | 17.3 (10.5, 26.3)   | 0.000042 (0.0000255, 0.0000638)  | 0.02969 (0.01955, 0.04237) |
| DKI Jakarta | Lower respiratory infections                  | 35  | 12.0 (8.0, 18.1)     | 0.0000265 (0.0000176, 0.0000402) | 0.01113 (0.00791, 0.01525) | 4.6 (2.8, 6.9)      | 0.0000111 (0.0000068, 0.0000169) | 0.00784 (0.00524, 0.01112) |
| DKI Jakarta | Malaria                                       | 35  | 0.5 (0.0, 2.7)       | 0.0000011 (0.0000000, 0.0000059) | 0.00046 (0.00002, 0.00242) | 0.2 (0.0, 1.1)      | 0.0000005 (0.0000000, 0.0000026) | 0.00033 (0.00001, 0.00178) |
| DKI Jakarta | Tuberculosis                                  | 35  | 128.1 (98.7, 181.5)  | 0.0002826 (0.0002178, 0.0004004) | 0.11881 (0.10112, 0.13826) | 40.1 (28.5, 56.6)   | 0.0000972 (0.0000691, 0.0001372) | 0.0688 (0.05482, 0.08467)  |
| DKI Jakarta | Maternal disorders                            | 35  |                      |                                  |                            | 30.6 (18.6, 47.0)   | 0.0000741 (0.0000451, 0.0001140) | 0.05245 (0.03559, 0.07312) |
| DKI Jakarta | Other communicable diseases                   | 35  | 39.7 (28.5, 57.4)    | 0.0000877 (0.0000629, 0.0001266) | 0.03687 (0.02773, 0.04641) | 18.0 (12.0, 25.8)   | 0.0000437 (0.0000291, 0.0000625) | 0.0309 (0.02309, 0.03950)  |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 35  | 13.2 (5.7, 25.6)     | 0.0000291 (0.0000127, 0.0000565) | 0.01225 (0.00540, 0.02305) | 6.6 (3.9, 10.4)     | 0.000016 (0.0000094, 0.0000252)  | 0.01127 (0.00731, 0.01726) |
| DKI Jakarta | Breast cancer                                 | 35  | 0.9 (0.2, 2.7)       | 0.000002 (0.0000004, 0.0000060)  | 0.00083 (0.00020, 0.00242) | 56.2 (40.0, 77.8)   | 0.0001362 (0.0000970, 0.0001887) | 0.09632 (0.07708, 0.11605) |
| DKI Jakarta | Cervical cancer                               | 35  |                      |                                  |                            | 20.8 (12.6, 33.3)   | 0.0000505 (0.0000305, 0.0000808) | 0.03568 (0.02277, 0.05016) |
| DKI Jakarta | Other malignant neoplasms                     | 35  | 105.3 (80.6, 148.7)  | 0.0002322 (0.0001778, 0.0003280) | 0.09764 (0.08325, 0.11322) | 41.5 (29.3, 59.9)   | 0.0001007 (0.0000711, 0.0001452) | 0.07112 (0.05620, 0.08769) |
| DKI Jakarta | Cerebrovascular disease                       | 35  | 84.9 (66.3, 116.6)   | 0.0001873 (0.0001461, 0.0002571) | 0.0788 (0.06804, 0.09114)  | 54.4 (40.5, 74.5)   | 0.000132 (0.0000983, 0.0001806)  | 0.09334 (0.08218, 0.10667) |
| DKI Jakarta | Ischemic heart disease                        | 35  | 191.9 (154.2, 265.6) | 0.0004232 (0.0003401, 0.0005859) | 0.17805 (0.16115, 0.19507) | 76.1 (56.6, 104.8)  | 0.0001846 (0.0001373, 0.0002542) | 0.13042 (0.11678, 0.14460) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 35  | 20.6 (14.7, 29.7)    | 0.0000455 (0.0000324, 0.0000654) | 0.0191 (0.01472, 0.02467)  | 14.0 (10.0, 20.2)   | 0.0000341 (0.0000242, 0.0000490) | 0.02408 (0.01911, 0.03063) |
| DKI Jakarta | Diabetes mellitus                             | 35  | 62.3 (46.3, 86.7)    | 0.0001374 (0.0001021, 0.0001912) | 0.05778 (0.04712, 0.06917) | 50.9 (37.2, 69.9)   | 0.0001235 (0.0000901, 0.0001696) | 0.08733 (0.07300, 0.10228) |
| DKI Jakarta | Chronic kidney disease                        | 35  | 39.3 (28.2, 56.9)    | 0.0000866 (0.0000622, 0.0001255) | 0.03641 (0.02805, 0.04695) | 24.1 (16.4, 35.1)   | 0.0000585 (0.0000398, 0.0000851) | 0.04135 (0.03188, 0.05213) |
| DKI Jakarta | Cirrhosis                                     | 35  | 75.2 (56.7, 105.1)   | 0.0001659 (0.0001251, 0.0002319) | 0.06981 (0.05622, 0.08480) | 23.7 (16.9, 33.3)   | 0.0000574 (0.0000409, 0.0000808) | 0.04059 (0.03191, 0.05107) |
| DKI Jakarta | Chronic respiratory diseases                  | 35  | 33.8 (24.1, 49.8)    | 0.0000745 (0.0000531, 0.0001099) | 0.03132 (0.02399, 0.04008) | 12.8 (8.5, 18.4)    | 0.000031 (0.0000207, 0.0000445)  | 0.02188 (0.01655, 0.02801) |
| DKI Jakarta | Other non-communicable diseases               | 35  | 71.1 (55.6, 99.7)    | 0.0001568 (0.0001227, 0.0002200) | 0.06597 (0.05505, 0.07639) | 45.6 (33.0, 62.8)   | 0.0001105 (0.0000801, 0.0001524) | 0.07814 (0.06743, 0.09021) |
| DKI Jakarta | Drowning                                      | 35  | 1.8 (0.4, 5.3)       | 0.000004 (0.0000009, 0.0000118)  | 0.00168 (0.00040, 0.00493) | 0.5 (0.1, 1.4)      | 0.0000011 (0.0000003, 0.0000033) | 0.00079 (0.00019, 0.00226) |
| DKI Jakarta | Falls                                         | 35  | 44.8 (29.5, 64.9)    | 0.0000988 (0.0000652, 0.0001432) | 0.04158 (0.02849, 0.05556) | 14.3 (9.0, 21.4)    | 0.0000348 (0.0000218, 0.0000520) | 0.02459 (0.01722, 0.03316) |
| DKI Jakarta | Interpersonal violence                        | 35  | 2.8 (0.7, 7.5)       | 0.0000061 (0.0000016, 0.0000165) | 0.00257 (0.00068, 0.00693) | 1.1 (0.3, 3.1)      | 0.0000027 (0.0000007, 0.0000074) | 0.00191 (0.00052, 0.00506) |
| DKI Jakarta | Self-harm                                     | 35  | 1.5 (0.3, 4.3)       | 0.0000033 (0.0000006, 0.0000095) | 0.0014 (0.00024, 0.00393)  | 0.5 (0.1, 1.5)      | 0.0000012 (0.0000002, 0.0000037) | 0.00085 (0.00013, 0.00247) |
| DKI Jakarta | Transport injuries                            | 35  | 89.3 (65.8, 128.7)   | 0.000197 (0.0001452, 0.0002838)  | 0.08285 (0.06435, 0.10095) | 20.0 (13.3, 29.0)   | 0.0000485 (0.0000322, 0.0000704) | 0.0343 (0.02495, 0.04423)  |
| DKI Jakarta | Other unintentional injuries                  | 35  | 5.4 (2.0, 12.9)      | 0.000012 (0.0000043, 0.0000284)  | 0.00506 (0.00182, 0.01211) | 1.4 (0.5, 3.4)      | 0.0000034 (0.0000011, 0.0000083) | 0.00242 (0.00084, 0.00571) |
| DKI Jakarta | Diarrheal diseases                            | 40  | 13.4 (8.5, 21.2)     | 0.000036 (0.0000229, 0.0000569)  | 0.01041 (0.00690, 0.01484) | 11.2 (6.9, 17.5)    | 0.000032 (0.0000196, 0.0000498)  | 0.0151 (0.01031, 0.02085)  |
| DKI Jakarta | HIV/AIDS                                      | 40  | 21.9 (12.7, 34.6)    | 0.0000588 (0.0000341, 0.0000929) | 0.01703 (0.01056, 0.02501) | 12.4 (7.1, 19.5)    | 0.0000354 (0.0000207, 0.0000555) | 0.01671 (0.01030, 0.02452) |
| DKI Jakarta | Lower respiratory infections                  | 40  | 12.2 (8.3, 18.4)     | 0.0000328 (0.0000222, 0.0000494) | 0.00951 (0.00680, 0.01296) | 6.6 (4.2, 10.0)     | 0.0000188 (0.0000120, 0.0000284) | 0.00887 (0.00622, 0.01226) |
| DKI Jakarta | Malaria                                       | 40  | 0.5 (0.0, 2.5)       | 0.0000013 (0.0000000, 0.0000068) | 0.00039 (0.00001, 0.00192) | 0.2 (0.0, 1.2)      | 0.0000006 (0.0000000, 0.0000033) | 0.00031 (0.00001, 0.00158) |
| DKI Jakarta | Tuberculosis                                  | 40  | 124.7 (97.1, 171.6)  | 0.0003348 (0.0002607, 0.0004605) | 0.09704 (0.08418, 0.11102) | 48.8 (35.8, 67.1)   | 0.0001392 (0.0001019, 0.0001913) | 0.06585 (0.05543, 0.07781) |
| DKI Jakarta | Maternal disorders                            | 40  |                      |                                  |                            | 11.2 (6.1, 18.5)    | 0.0000318 (0.0000173, 0.0000527) | 0.01504 (0.00839, 0.02335) |
| DKI Jakarta | Other communicable diseases                   | 40  | 37.7 (26.6, 55.2)    | 0.0001011 (0.0000714, 0.0001483) | 0.02931 (0.02221, 0.03737) | 23.4 (16.1, 33.1)   | 0.0000668 (0.0000458, 0.0000945) | 0.03159 (0.02365, 0.03993) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 40  | 23.0 (13.0, 38.5)    | 0.0000617 (0.0000348, 0.0001033) | 0.01786 (0.01088, 0.02744) | 8.9 (5.4, 14.0)     | 0.0000254 (0.0000154, 0.0000398) | 0.01201 (0.00803, 0.01764) |
| DKI Jakarta | Breast cancer                                 | 40  | 1.5 (0.4, 3.9)       | 0.0000041 (0.0000012, 0.0000104) | 0.00119 (0.00035, 0.00304) | 71.1 (50.9, 97.7)   | 0.0002028 (0.0001452, 0.0002786) | 0.09591 (0.07671, 0.11557) |
| DKI Jakarta | Cervical cancer                               | 40  |                      |                                  |                            | 28.9 (17.8, 44.4)   | 0.0000824 (0.0000507, 0.0001267) | 0.03895 (0.02574, 0.05365) |
| DKI Jakarta | Other malignant neoplasms                     | 40  | 125.1 (95.6, 180.2)  | 0.0003358 (0.0002566, 0.0004836) | 0.0973 (0.08268, 0.11197)  | 43.4 (30.5, 61.0)   | 0.0001238 (0.0000870, 0.0001740) | 0.05854 (0.04677, 0.07272) |
| DKI Jakarta | Cerebrovascular disease                       | 40  | 130.3 (102.4, 175.8) | 0.0003496 (0.0002749, 0.0004718) | 0.10135 (0.08894, 0.11410) | 87.5 (66.0, 115.9)  | 0.0002496 (0.0001880, 0.0003303) | 0.11806 (0.10562, 0.13109) |
| DKI Jakarta | Ischemic heart disease                        | 40  | 281.0 (227.3, 385.9) | 0.0007544 (0.0006102, 0.0010359) | 0.21866 (0.20133, 0.23755) | 113.6 (84.1, 154.0) | 0.0003238 (0.0002398, 0.0004390) | 0.15305 (0.13857, 0.16770) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 40  | 27.6 (19.9, 40.3)    | 0.000074 (0.0000535, 0.0001081)  | 0.02141 (0.01676, 0.02711) | 19.2 (13.5, 26.9)   | 0.0000547 (0.0000384, 0.0000767) | 0.02586 (0.02025, 0.03227) |
| DKI Jakarta | Diabetes mellitus                             | 40  | 123.8 (95.8, 169.1)  | 0.0003323 (0.0002572, 0.0004540) | 0.09626 (0.08193, 0.11047) | 99.4 (74.5, 135.3)  | 0.0002835 (0.0002125, 0.0003858) | 0.13408 (0.11656, 0.15219) |
| DKI Jakarta | Chronic kidney disease                        | 40  | 48.6 (35.1, 68.5)    | 0.0001303 (0.0000942, 0.0001838) | 0.03775 (0.02947, 0.04774) | 29.2 (20.0, 42.8)   | 0.0000832 (0.0000570, 0.0001221) | 0.03933 (0.03011, 0.05064) |
| DKI Jakarta | Cirrhosis                                     | 40  | 89.3 (67.3, 122.3)   | 0.0002398 (0.0001807, 0.0003283) | 0.0695 (0.05640, 0.08532)  | 29.8 (20.9, 41.9)   | 0.0000849 (0.0000597, 0.0001196) | 0.04015 (0.03181, 0.05085) |
| DKI Jakarta | Chronic respiratory diseases                  | 40  | 40.1 (29.2, 56.5)    | 0.0001077 (0.0000785, 0.0001517) | 0.03119 (0.02449, 0.03935) | 15.8 (10.9, 22.8)   | 0.0000451 (0.0000310, 0.0000650) | 0.02134 (0.01650, 0.02699) |
| DKI Jakarta | Other non-communicable diseases               | 40  | 73.6 (57.0, 103.3)   | 0.0001975 (0.0001531, 0.0002773) | 0.05724 (0.04814, 0.06610) | 49.1 (35.5, 66.7)   | 0.0001399 (0.0001011, 0.0001901) | 0.06615 (0.05650, 0.07601) |
| DKI Jakarta | Drowning                                      | 40  | 0.9 (0.2, 2.7)       | 0.0000024 (0.0000005, 0.0000073) | 0.00068 (0.00015, 0.00222) | 0.3 (0.1, 0.8)      | 0.0000008 (0.0000002, 0.0000024) | 0.00036 (0.00009, 0.00115) |
| DKI Jakarta | Falls                                         | 40  | 36.5 (23.7, 53.5)    | 0.000098 (0.0000636, 0.0001436)  | 0.02843 (0.01993, 0.03822) | 13.4 (8.7, 19.9)    | 0.0000381 (0.0000248, 0.0000566) | 0.01803 (0.01258, 0.02407) |
| DKI Jakarta | Interpersonal violence                        | 40  | 2.0 (0.5, 5.3)       | 0.0000054 (0.0000014, 0.0000142) | 0.00158 (0.00041, 0.00417) | 0.8 (0.2, 2.2)      | 0.0000022 (0.0000005, 0.0000062) | 0.00105 (0.00026, 0.00287) |
| DKI Jakarta | Self-harm                                     | 40  | 1.3 (0.2, 3.8)       | 0.0000034 (0.0000005, 0.0000101) | 0.00098 (0.00017, 0.00283) | 0.4 (0.1, 1.2)      | 0.0000011 (0.0000002, 0.0000033) | 0.00051 (0.00009, 0.00148) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Transport injuries                            | 40  | 66.5 (47.8, 94.6)    | 0.0001786 (0.0001284, 0.0002539) | 0.05178 (0.03965, 0.06439) | 16.1 (10.8, 23.6)    | 0.0000458 (0.0000308, 0.0000673) | 0.02167 (0.01564, 0.02871) |
| DKI Jakarta | Other unintentional injuries                  | 40  | 4.0 (1.4, 9.6)       | 0.0000109 (0.0000038, 0.0000257) | 0.00315 (0.00112, 0.00741) | 1.1 (0.4, 2.7)       | 0.0000031 (0.0000010, 0.0000076) | 0.00146 (0.00050, 0.00350) |
| DKI Jakarta | Diarrheal diseases                            | 45  | 12.7 (7.8, 20.5)     | 0.0000436 (0.0000267, 0.0000703) | 0.00915 (0.00623, 0.01258) | 14.6 (9.5, 20.9)     | 0.0000501 (0.0000326, 0.0000719) | 0.01434 (0.01011, 0.01939) |
| DKI Jakarta | HIV/AIDS                                      | 45  | 10.9 (5.8, 18.6)     | 0.0000374 (0.0000200, 0.0000636) | 0.00786 (0.00441, 0.01270) | 8.9 (4.8, 14.8)      | 0.0000307 (0.0000166, 0.0000509) | 0.00877 (0.00514, 0.01391) |
| DKI Jakarta | Lower respiratory infections                  | 45  | 13.7 (9.3, 20.2)     | 0.0000467 (0.0000320, 0.0000691) | 0.00983 (0.00724, 0.01309) | 11.2 (7.4, 16.6)     | 0.0000387 (0.0000255, 0.0000572) | 0.01108 (0.00795, 0.01482) |
| DKI Jakarta | Malaria                                       | 45  | 0.4 (0.0, 2.3)       | 0.0000014 (0.0000001, 0.0000077) | 0.0003 (0.00001, 0.00153)  | 0.2 (0.0, 1.3)       | 0.0000008 (0.0000000, 0.0000044) | 0.00024 (0.00001, 0.00122) |
| DKI Jakarta | Tuberculosis                                  | 45  | 124.9 (96.0, 175.7)  | 0.0004274 (0.0003287, 0.0006014) | 0.0899 (0.07941, 0.10155)  | 69.6 (51.9, 92.4)    | 0.0002399 (0.0001787, 0.0003183) | 0.06864 (0.05881, 0.07905) |
| DKI Jakarta | Maternal disorders                            | 45  |                      |                                  |                            | 3.0 (1.3, 5.8)       | 0.0000104 (0.0000045, 0.0000199) | 0.00298 (0.00130, 0.00571) |
| DKI Jakarta | Other communicable diseases                   | 45  | 30.6 (21.5, 45.2)    | 0.0001048 (0.0000734, 0.0001547) | 0.02204 (0.01668, 0.02801) | 26.6 (18.4, 36.7)    | 0.0000916 (0.0000635, 0.0001265) | 0.0262 (0.02001, 0.03329)  |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 45  | 36.1 (22.8, 57.7)    | 0.0001236 (0.0000781, 0.0001974) | 0.026 (0.01767, 0.03724)   | 12.9 (8.1, 20.3)     | 0.0000445 (0.0000277, 0.0000698) | 0.01274 (0.00844, 0.01855) |
| DKI Jakarta | Breast cancer                                 | 45  | 2.1 (0.8, 4.5)       | 0.0000071 (0.0000026, 0.0000154) | 0.0015 (0.00056, 0.00320)  | 83.3 (59.8, 112.5)   | 0.0002871 (0.0002060, 0.0003876) | 0.08215 (0.06601, 0.09849) |
| DKI Jakarta | Cervical cancer                               | 45  |                      |                                  |                            | 33.5 (21.1, 50.6)    | 0.0001156 (0.0000726, 0.0001744) | 0.03304 (0.02252, 0.04519) |
| DKI Jakarta | Other malignant neoplasms                     | 45  | 122.7 (91.8, 173.1)  | 0.00042 (0.0003142, 0.0005925)   | 0.0883 (0.07701, 0.10181)  | 47.4 (33.6, 65.3)    | 0.0001632 (0.0001159, 0.0002251) | 0.04669 (0.03700, 0.05931) |
| DKI Jakarta | Cerebrovascular disease                       | 45  | 166.9 (127.4, 226.4) | 0.0005712 (0.0004361, 0.0007750) | 0.12017 (0.10749, 0.13254) | 143.3 (110.3, 185.1) | 0.0004938 (0.0003800, 0.0006380) | 0.14134 (0.12848, 0.15564) |
| DKI Jakarta | Ischemic heart disease                        | 45  | 304.8 (240.2, 427.9) | 0.0010434 (0.0008223, 0.0014646) | 0.21946 (0.20393, 0.23644) | 161.5 (124.3, 210.2) | 0.0005566 (0.0004283, 0.0007243) | 0.15922 (0.14497, 0.17429) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 45  | 33.4 (24.2, 49.0)    | 0.0001142 (0.0000830, 0.0001677) | 0.024 (0.01910, 0.02959)   | 28.3 (20.4, 39.5)    | 0.0000977 (0.0000702, 0.0001361) | 0.02796 (0.02214, 0.03450) |
| DKI Jakarta | Diabetes mellitus                             | 45  | 179.4 (136.6, 247.5) | 0.0006139 (0.0004675, 0.0008473) | 0.12909 (0.11281, 0.14514) | 177.2 (135.5, 231.7) | 0.0006106 (0.0004669, 0.0007986) | 0.17475 (0.15634, 0.19314) |
| DKI Jakarta | Chronic kidney disease                        | 45  | 48.3 (33.8, 69.0)    | 0.0001653 (0.0001157, 0.0002362) | 0.03473 (0.02685, 0.04319) | 35.8 (24.5, 51.2)    | 0.0001233 (0.0000845, 0.0001764) | 0.03526 (0.02701, 0.04424) |
| DKI Jakarta | Cirrhosis                                     | 45  | 84.0 (61.7, 114.9)   | 0.0002874 (0.0002111, 0.0003933) | 0.0605 (0.04971, 0.07290)  | 36.3 (26.2, 49.6)    | 0.0001251 (0.0000902, 0.0001710) | 0.03583 (0.02855, 0.04545) |
| DKI Jakarta | Chronic respiratory diseases                  | 45  | 51.0 (36.9, 71.7)    | 0.0001746 (0.0001263, 0.0002455) | 0.03672 (0.02923, 0.04457) | 25.6 (17.9, 35.4)    | 0.0000883 (0.0000618, 0.0001219) | 0.02527 (0.01969, 0.03110) |
| DKI Jakarta | Other non-communicable diseases               | 45  | 68.0 (51.6, 96.6)    | 0.0002328 (0.0001766, 0.0003306) | 0.04898 (0.04187, 0.05601) | 56.9 (42.5, 75.3)    | 0.0001961 (0.0001464, 0.0002594) | 0.05612 (0.04759, 0.06462) |
| DKI Jakarta | Drowning                                      | 45  | 0.5 (0.1, 1.5)       | 0.0000018 (0.0000004, 0.0000052) | 0.00037 (0.00008, 0.00105) | 0.2 (0.0, 0.7)       | 0.0000008 (0.0000002, 0.0000023) | 0.00022 (0.00005, 0.00061) |
| DKI Jakarta | Falls                                         | 45  | 35.0 (23.1, 50.7)    | 0.0001199 (0.0000791, 0.0001735) | 0.02521 (0.01825, 0.03344) | 17.3 (11.7, 25.1)    | 0.0000597 (0.0000402, 0.0000864) | 0.01707 (0.01189, 0.02252) |
| DKI Jakarta | Interpersonal violence                        | 45  | 1.5 (0.4, 4.0)       | 0.0000052 (0.0000013, 0.0000138) | 0.00111 (0.00029, 0.00290) | 0.7 (0.2, 2.0)       | 0.0000024 (0.0000006, 0.0000068) | 0.00069 (0.00017, 0.00192) |
| DKI Jakarta | Self-harm                                     | 45  | 1.1 (0.2, 3.1)       | 0.0000037 (0.0000007, 0.0000105) | 0.00078 (0.00014, 0.00228) | 0.4 (0.1, 1.2)       | 0.0000013 (0.0000004, 0.0000041) | 0.00038 (0.00006, 0.00116) |
| DKI Jakarta | Transport injuries                            | 45  | 57.8 (41.0, 85.1)    | 0.0001979 (0.0001403, 0.0002912) | 0.04163 (0.03209, 0.05201) | 18.2 (11.9, 26.7)    | 0.0000626 (0.0000410, 0.0000919) | 0.01792 (0.01280, 0.02354) |
| DKI Jakarta | Other unintentional injuries                  | 45  | 3.3 (1.1, 7.9)       | 0.0000113 (0.0000037, 0.0000270) | 0.00238 (0.00080, 0.00551) | 1.1 (0.4, 2.8)       | 0.0000038 (0.0000012, 0.0000098) | 0.0011 (0.00036, 0.00269)  |
| DKI Jakarta | Diarrheal diseases                            | 50  | 17.3 (11.2, 26.5)    | 0.0000752 (0.0000487, 0.0001156) | 0.01028 (0.00746, 0.01359) | 19.1 (13.1, 27.3)    | 0.0000831 (0.0000571, 0.0001188) | 0.01559 (0.01168, 0.01993) |
| DKI Jakarta | HIV/AIDS                                      | 50  | 4.9 (2.4, 9.4)       | 0.0000215 (0.0000103, 0.0000411) | 0.00294 (0.00147, 0.00521) | 4.1 (1.9, 7.4)       | 0.000018 (0.0000084, 0.0000323)  | 0.00337 (0.00175, 0.00574) |
| DKI Jakarta | Lower respiratory infections                  | 50  | 18.3 (12.2, 27.7)    | 0.0000797 (0.0000533, 0.0001205) | 0.01089 (0.00809, 0.01415) | 15.3 (10.4, 21.7)    | 0.0000666 (0.0000451, 0.0000947) | 0.01249 (0.00920, 0.01641) |
| DKI Jakarta | Malaria                                       | 50  | 0.5 (0.0, 2.6)       | 0.0000002 (0.0000001, 0.0000012) | 0.00027 (0.00001, 0.00138) | 0.3 (0.0, 1.3)       | 0.0000011 (0.0000000, 0.0000058) | 0.00021 (0.00001, 0.00109) |
| DKI Jakarta | Tuberculosis                                  | 50  | 146.9 (112.5, 201.6) | 0.0006398 (0.0004897, 0.0008779) | 0.0875 (0.07822, 0.09742)  | 84.8 (64.5, 109.0)   | 0.0003695 (0.0002807, 0.0004746) | 0.06931 (0.06088, 0.07897) |
| DKI Jakarta | Maternal disorders                            | 50  |                      |                                  |                            | 1.1 (0.3, 2.8)       | 0.0000047 (0.0000014, 0.0000123) | 0.00088 (0.00028, 0.00231) |
| DKI Jakarta | Other communicable diseases                   | 50  | 31.4 (21.4, 46.3)    | 0.0001366 (0.0000931, 0.0002016) | 0.01866 (0.01438, 0.02364) | 26.1 (18.4, 36.2)    | 0.0001138 (0.0000800, 0.0001577) | 0.02135 (0.01638, 0.02696) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 50  | 50.3 (33.1, 77.7)    | 0.0002193 (0.0001442, 0.0003385) | 0.02999 (0.02168, 0.03942) | 15.7 (10.1, 23.9)    | 0.0000685 (0.0000440, 0.0001041) | 0.01284 (0.00874, 0.01822) |
| DKI Jakarta | Breast cancer                                 | 50  | 2.3 (1.1, 4.5)       | 0.0000102 (0.0000049, 0.0000198) | 0.0014 (0.00068, 0.00253)  | 75.8 (54.5, 100.4)   | 0.0003302 (0.0002376, 0.0004375) | 0.06194 (0.04960, 0.07490) |
| DKI Jakarta | Cervical cancer                               | 50  |                      |                                  |                            | 31.3 (19.7, 47.3)    | 0.0001364 (0.0000858, 0.0002060) | 0.02558 (0.01724, 0.03589) |
| DKI Jakarta | Other malignant neoplasms                     | 50  | 113.1 (84.2, 157.7)  | 0.0004925 (0.0003666, 0.0006867) | 0.06734 (0.05806, 0.07697) | 48.1 (34.3, 66.1)    | 0.0002097 (0.0001493, 0.0002878) | 0.03933 (0.03085, 0.04907) |
| DKI Jakarta | Cerebrovascular disease                       | 50  | 236.0 (179.4, 324.8) | 0.0010278 (0.0007814, 0.0014146) | 0.1406 (0.12709, 0.15366)  | 200.4 (158.5, 253.7) | 0.0008728 (0.0006903, 0.0011051) | 0.16379 (0.14929, 0.17897) |
| DKI Jakarta | Ischemic heart disease                        | 50  | 387.5 (299.3, 544.9) | 0.0016874 (0.0013036, 0.0023730) | 0.23083 (0.21502, 0.24770) | 207.1 (160.8, 265.9) | 0.000902 (0.0007003, 0.0011581)  | 0.16918 (0.15438, 0.18353) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 50  | 46.5 (33.4, 66.9)    | 0.0002026 (0.0001455, 0.0002915) | 0.02768 (0.02225, 0.03431) | 39.4 (28.7, 53.5)    | 0.0001714 (0.0001252, 0.0002331) | 0.03216 (0.02575, 0.03970) |
| DKI Jakarta | Diabetes mellitus                             | 50  | 248.6 (191.5, 331.2) | 0.0010826 (0.0008341, 0.0014422) | 0.14805 (0.13245, 0.16380) | 244.5 (189.3, 313.1) | 0.001065 (0.0008243, 0.0013635)  | 0.19978 (0.18144, 0.21930) |
| DKI Jakarta | Chronic kidney disease                        | 50  | 53.8 (37.0, 79.0)    | 0.0002344 (0.0001610, 0.0003441) | 0.03203 (0.02506, 0.03949) | 40.4 (27.8, 56.5)    | 0.0001759 (0.0001212, 0.0002459) | 0.03297 (0.02539, 0.04130) |
| DKI Jakarta | Cirrhosis                                     | 50  | 91.1 (65.6, 126.8)   | 0.0003969 (0.0002857, 0.0005524) | 0.05433 (0.04444, 0.06533) | 39.3 (28.4, 53.6)    | 0.000171 (0.0001237, 0.0002334)  | 0.03209 (0.02581, 0.03955) |
| DKI Jakarta | Chronic respiratory diseases                  | 50  | 71.6 (52.4, 103.8)   | 0.0003118 (0.0002282, 0.0004520) | 0.04266 (0.03484, 0.05071) | 37.5 (27.5, 50.0)    | 0.0001632 (0.0001197, 0.0002176) | 0.03061 (0.02463, 0.03696) |
| DKI Jakarta | Other non-communicable diseases               | 50  | 75.5 (56.9, 107.0)   | 0.0003287 (0.0002476, 0.0004661) | 0.04497 (0.03810, 0.05177) | 62.9 (47.5, 83.0)    | 0.0002737 (0.0002067, 0.0003615) | 0.05135 (0.04405, 0.05987) |
| DKI Jakarta | Drowning                                      | 50  | 0.3 (0.1, 1.1)       | 0.0000014 (0.0000003, 0.0000046) | 0.00019 (0.00004, 0.00063) | 0.1 (0.0, 0.4)       | 0.0000006 (0.0000001, 0.0000018) | 0.00011 (0.00002, 0.00032) |
| DKI Jakarta | Falls                                         | 50  | 36.3 (23.8, 53.6)    | 0.0001579 (0.0001035, 0.0002334) | 0.0216 (0.01572, 0.02833)  | 16.7 (11.4, 23.6)    | 0.0000728 (0.0000497, 0.0001028) | 0.01365 (0.01007, 0.01799) |
| DKI Jakarta | Interpersonal violence                        | 50  | 1.2 (0.3, 3.0)       | 0.0000051 (0.0000013, 0.0000131) | 0.0007 (0.00018, 0.00184)  | 0.5 (0.1, 1.4)       | 0.0000022 (0.0000005, 0.0000063) | 0.00042 (0.00010, 0.00119) |
| DKI Jakarta | Self-harm                                     | 50  | 0.9 (0.2, 2.7)       | 0.0000004 (0.0000007, 0.0000116) | 0.00055 (0.00010, 0.00156) | 0.3 (0.1, 1.0)       | 0.0000014 (0.0000002, 0.0000042) | 0.00026 (0.00004, 0.00078) |
| DKI Jakarta | Transport injuries                            | 50  | 42.0 (29.1, 64.4)    | 0.000183 (0.0001268, 0.0002804)  | 0.02503 (0.01868, 0.03277) | 12.3 (8.2, 17.4)     | 0.0000536 (0.0000358, 0.0000757) | 0.01006 (0.00727, 0.01360) |
| DKI Jakarta | Other unintentional injuries                  | 50  | 2.5 (0.9, 6.2)       | 0.0000111 (0.0000038, 0.0000270) | 0.00151 (0.00054, 0.00364) | 0.8 (0.3, 2.1)       | 0.0000035 (0.0000012, 0.0000092) | 0.00067 (0.00022, 0.00162) |
| DKI Jakarta | Diarrheal diseases                            | 55  | 18.2 (11.8, 27.5)    | 0.0001083 (0.0000702, 0.0001639) | 0.00993 (0.00719, 0.01290) | 19.5 (13.7, 27.5)    | 0.0001253 (0.0000879, 0.0001763) | 0.01536 (0.01144, 0.01954) |
| DKI Jakarta | HIV/AIDS                                      | 55  | 2.2 (0.8, 4.4)       | 0.0000128 (0.0000049, 0.0000264) | 0.00117 (0.00047, 0.00277) | 1.7 (0.7, 3.4)       | 0.0000112 (0.0000045, 0.0000217) | 0.00137 (0.00058, 0.00267) |
| DKI Jakarta | Lower respiratory infections                  | 55  | 17.9 (12.0, 26.7)    | 0.0001069 (0.0000714, 0.0001589) | 0.00981 (0.00735, 0.01285) | 15.3 (10.3, 21.3)    | 0.0000983 (0.0000664, 0.0001370) | 0.01206 (0.00891, 0.01599) |
| DKI Jakarta | Malaria                                       | 55  | 0.5 (0.0, 2.7)       | 0.000003 (0.0000001, 0.0000161)  | 0.00027 (0.00001, 0.00141) | 0.3 (0.0, 1.4)       | 0.0000016 (0.0000001, 0.0000091) | 0.0002 (0.00001, 0.00105)  |
| DKI Jakarta | Tuberculosis                                  | 55  | 143.3 (107.8, 198.2) | 0.0008539 (0.0006425, 0.0011807) | 0.07836 (0.06949, 0.08784) | 78.6 (60.6, 101.3)   | 0.0005045 (0.0003894, 0.0006506) | 0.0619 (0.05420, 0.07030)  |
| DKI Jakarta | Other communicable diseases                   | 55  | 27.6 (18.8, 40.6)    | 0.0001646 (0.0001121, 0.0002418) | 0.01511 (0.01150, 0.01961) | 22.9 (16.2, 31.2)    | 0.0001468 (0.0001041, 0.0002004) | 0.01802 (0.01327, 0.02318) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 55  | 52.7 (34.9, 81.4)    | 0.000314 (0.0002078, 0.0004847)  | 0.0288 (0.02149, 0.03737)  | 13.6 (8.8, 20.5)     | 0.0000876 (0.0000568, 0.0001316) | 0.01075 (0.00730, 0.01472) |
| DKI Jakarta | Breast cancer                                 | 55  | 2.5 (1.2, 4.7)       | 0.0000151 (0.0000069, 0.0000278) | 0.00138 (0.00069, 0.00242) | 61.2 (44.5, 81.4)    | 0.0003933 (0.0002859, 0.0005228) | 0.04824 (0.03845, 0.05943) |
| DKI Jakarta | Cervical cancer                               | 55  |                      |                                  |                            | 22.0 (13.1, 33.3)    | 0.0001412 (0.0000844, 0.0002141) | 0.01732 (0.01109, 0.02489) |
| DKI Jakarta | Other malignant neoplasms                     | 55  | 97.6 (72.4, 135.1)   | 0.0005813 (0.0004313, 0.0008048) | 0.05333 (0.04578, 0.06145) | 43.0 (31.3, 58.6)    | 0.0002758 (0.0002010, 0.0003762) | 0.03385 (0.02707, 0.04235) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Cerebrovascular disease                       | 55  | 286.5 (217.2, 388.5) | 0.0017068 (0.0012939, 0.0023143) | 0.1567 (0.14356, 0.17059)  | 234.2 (189.6, 292.1) | 0.0015036 (0.0012173, 0.0018758) | 0.18452 (0.17032, 0.20074) |
| DKI Jakarta | Ischemic heart disease                        | 55  | 464.1 (358.6, 642.7) | 0.0027651 (0.0021365, 0.0038286) | 0.2538 (0.23712, 0.26965)  | 238.8 (189.1, 301.0) | 0.001533 (0.0012140, 0.0019330)  | 0.18804 (0.17331, 0.20275) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 55  | 57.4 (40.9, 82.0)    | 0.0003417 (0.0002440, 0.0004883) | 0.03134 (0.02481, 0.03865) | 45.6 (33.7, 60.4)    | 0.0002926 (0.0002165, 0.0003875) | 0.0359 (0.02877, 0.04424)  |
| DKI Jakarta | Diabetes mellitus                             | 55  | 286.6 (218.5, 388.4) | 0.0017076 (0.0013018, 0.0023141) | 0.15667 (0.14157, 0.17209) | 265.9 (208.6, 333.4) | 0.001707 (0.0013396, 0.0021410)  | 0.20936 (0.19031, 0.22819) |
| DKI Jakarta | Chronic kidney disease                        | 55  | 58.6 (39.4, 85.1)    | 0.0003491 (0.0002347, 0.0005071) | 0.03203 (0.02473, 0.03956) | 40.9 (28.4, 56.0)    | 0.0002627 (0.0001821, 0.0003596) | 0.03222 (0.02480, 0.04047) |
| DKI Jakarta | Cirrhosis                                     | 55  | 83.4 (60.5, 117.9)   | 0.0004971 (0.0003603, 0.0007026) | 0.04566 (0.03750, 0.05517) | 35.0 (26.1, 47.5)    | 0.000225 (0.0001675, 0.0003048)  | 0.02761 (0.02235, 0.03439) |
| DKI Jakarta | Chronic respiratory diseases                  | 55  | 86.3 (63.2, 123.8)   | 0.0005144 (0.0003765, 0.0007374) | 0.0472 (0.03881, 0.05573)  | 43.1 (32.9, 56.8)    | 0.0002765 (0.0002110, 0.0003647) | 0.03392 (0.02804, 0.04022) |
| DKI Jakarta | Other non-communicable diseases               | 55  | 82.9 (62.1, 117.2)   | 0.000494 (0.0003699, 0.0006980)  | 0.04537 (0.03855, 0.05228) | 65.9 (49.9, 84.9)    | 0.000423 (0.0003205, 0.0005448)  | 0.0519 (0.04437, 0.05992)  |
| DKI Jakarta | Drowning                                      | 55  | 0.2 (0.0, 0.6)       | 0.0000011 (0.0000002, 0.0000037) | 0.0001 (0.00002, 0.00034)  | 0.1 (0.0, 0.2)       | 0.0000005 (0.0000001, 0.0000016) | 0.00006 (0.00001, 0.00019) |
| DKI Jakarta | Falls                                         | 55  | 32.1 (21.5, 47.3)    | 0.0001911 (0.0001280, 0.0002817) | 0.01754 (0.01295, 0.02284) | 14.3 (9.9, 19.7)     | 0.0000916 (0.0000636, 0.0001267) | 0.01123 (0.00842, 0.01432) |
| DKI Jakarta | Interpersonal violence                        | 55  | 0.9 (0.2, 2.6)       | 0.0000056 (0.0000013, 0.0000155) | 0.00052 (0.00013, 0.00147) | 0.4 (0.1, 1.0)       | 0.0000023 (0.0000005, 0.0000065) | 0.00028 (0.00007, 0.00080) |
| DKI Jakarta | Self-harm                                     | 55  | 0.9 (0.2, 2.5)       | 0.0000052 (0.0000009, 0.0000150) | 0.00048 (0.00009, 0.00134) | 0.3 (0.0, 0.8)       | 0.0000016 (0.0000003, 0.0000051) | 0.0002 (0.00003, 0.00063)  |
| DKI Jakarta | Transport injuries                            | 55  | 24.5 (16.0, 37.5)    | 0.0001458 (0.0000952, 0.0002234) | 0.01338 (0.00958, 0.01830) | 6.7 (4.3, 9.8)       | 0.0000428 (0.0000274, 0.0000629) | 0.00526 (0.00365, 0.00737) |
| DKI Jakarta | Other unintentional injuries                  | 55  | 1.9 (0.6, 4.6)       | 0.0000115 (0.0000037, 0.0000275) | 0.00106 (0.00036, 0.00260) | 0.6 (0.2, 1.4)       | 0.0000036 (0.0000011, 0.0000092) | 0.00044 (0.00014, 0.00108) |
| DKI Jakarta | Diarrheal diseases                            | 60  | 19.1 (12.7, 29.2)    | 0.0001844 (0.0001224, 0.0002817) | 0.0102 (0.00748, 0.01330)  | 21.1 (15.1, 28.6)    | 0.0002027 (0.0001447, 0.0002750) | 0.01554 (0.01199, 0.01975) |
| DKI Jakarta | HIV/AIDS                                      | 60  | 1.4 (0.5, 3.2)       | 0.0000138 (0.0000046, 0.0000313) | 0.00076 (0.00027, 0.00156) | 1.2 (0.4, 2.5)       | 0.0000117 (0.0000043, 0.0000240) | 0.00089 (0.00033, 0.00173) |
| DKI Jakarta | Lower respiratory infections                  | 60  | 22.4 (15.3, 32.5)    | 0.0002158 (0.0001480, 0.0003136) | 0.01194 (0.00896, 0.01560) | 21.3 (14.8, 28.7)    | 0.0002042 (0.0001427, 0.0002759) | 0.01567 (0.01184, 0.02056) |
| DKI Jakarta | Malaria                                       | 60  | 0.5 (0.0, 2.7)       | 0.0000049 (0.0000002, 0.0000265) | 0.00027 (0.00001, 0.00140) | 0.3 (0.0, 1.5)       | 0.0000025 (0.0000001, 0.0000143) | 0.00019 (0.00001, 0.00101) |
| DKI Jakarta | Tuberculosis                                  | 60  | 162.3 (124.5, 221.2) | 0.0015665 (0.0012012, 0.0021345) | 0.08663 (0.07710, 0.09577) | 95.5 (76.0, 120.0)   | 0.0009175 (0.0007302, 0.0011537) | 0.07037 (0.06211, 0.07923) |
| DKI Jakarta | Other communicable diseases                   | 60  | 20.5 (13.3, 31.1)    | 0.0001977 (0.0001287, 0.0003002) | 0.01092 (0.00800, 0.01450) | 17.7 (12.4, 24.6)    | 0.0001699 (0.0001191, 0.0002362) | 0.01304 (0.00943, 0.01701) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 60  | 55.9 (36.9, 84.7)    | 0.0005396 (0.0003565, 0.0008170) | 0.02984 (0.02245, 0.03822) | 13.7 (8.9, 20.4)     | 0.0001319 (0.0000851, 0.0001958) | 0.01011 (0.00680, 0.01415) |
| DKI Jakarta | Breast cancer                                 | 60  | 2.3 (1.0, 4.4)       | 0.0000224 (0.0000094, 0.0000429) | 0.00124 (0.00054, 0.00223) | 47.6 (34.1, 63.9)    | 0.0004578 (0.0003275, 0.0006138) | 0.03511 (0.02717, 0.04349) |
| DKI Jakarta | Cervical cancer                               | 60  |                      |                                  |                            | 17.7 (10.6, 27.3)    | 0.0001701 (0.0001015, 0.0002624) | 0.01304 (0.00810, 0.01917) |
| DKI Jakarta | Other malignant neoplasms                     | 60  | 92.5 (68.7, 129.8)   | 0.0008924 (0.0006633, 0.0012521) | 0.04934 (0.04178, 0.05718) | 45.5 (33.9, 60.2)    | 0.0004372 (0.0003255, 0.0005781) | 0.03355 (0.02670, 0.04156) |
| DKI Jakarta | Cerebrovascular disease                       | 60  | 315.2 (242.0, 420.8) | 0.0030422 (0.0023357, 0.0040610) | 0.16832 (0.15425, 0.18366) | 272.9 (223.2, 331.8) | 0.002623 (0.0021452, 0.0031884)  | 0.20127 (0.18595, 0.21647) |
| DKI Jakarta | Ischemic heart disease                        | 60  | 463.3 (364.4, 629.2) | 0.0044711 (0.0035163, 0.0060721) | 0.24731 (0.23185, 0.26387) | 263.2 (213.7, 323.0) | 0.002529 (0.0020535, 0.0031043)  | 0.19399 (0.17882, 0.20982) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 60  | 65.3 (47.0, 93.7)    | 0.0006298 (0.0004533, 0.0009039) | 0.0348 (0.02791, 0.04246)  | 52.2 (39.4, 69.4)    | 0.0005012 (0.0003790, 0.0006668) | 0.03846 (0.03133, 0.04780) |
| DKI Jakarta | Diabetes mellitus                             | 60  | 260.2 (196.5, 353.6) | 0.0025108 (0.0018961, 0.0034119) | 0.13885 (0.12405, 0.15396) | 255.7 (204.1, 312.4) | 0.0024573 (0.0019618, 0.0030026) | 0.18851 (0.17056, 0.20576) |
| DKI Jakarta | Chronic kidney disease                        | 60  | 55.0 (37.5, 78.5)    | 0.0005309 (0.0003623, 0.0007577) | 0.02936 (0.02276, 0.03667) | 39.9 (28.0, 53.5)    | 0.000383 (0.0002692, 0.0005144)  | 0.02938 (0.02257, 0.03708) |
| DKI Jakarta | Cirrhosis                                     | 60  | 70.1 (50.6, 97.7)    | 0.0006765 (0.0004884, 0.0009426) | 0.03745 (0.03059, 0.04538) | 31.6 (23.6, 41.6)    | 0.0003038 (0.0002266, 0.0004001) | 0.02331 (0.01869, 0.02902) |
| DKI Jakarta | Chronic respiratory diseases                  | 60  | 126.8 (94.9, 177.2)  | 0.0012232 (0.0009157, 0.0017101) | 0.06766 (0.05700, 0.07836) | 63.4 (49.1, 81.5)    | 0.0006094 (0.0004720, 0.0007832) | 0.04675 (0.03915, 0.05440) |
| DKI Jakarta | Other non-communicable diseases               | 60  | 94.7 (72.3, 131.3)   | 0.0009134 (0.0006979, 0.0012675) | 0.05056 (0.04328, 0.05851) | 77.9 (60.4, 98.2)    | 0.0007482 (0.0005809, 0.0009441) | 0.05741 (0.04915, 0.06624) |
| DKI Jakarta | Drowning                                      | 60  | 0.1 (0.0, 0.4)       | 0.0000012 (0.0000002, 0.0000037) | 0.00006 (0.00001, 0.00021) | 0.1 (0.0, 0.2)       | 0.0000005 (0.0000001, 0.0000016) | 0.00004 (0.00001, 0.00013) |
| DKI Jakarta | Falls                                         | 60  | 24.3 (16.2, 36.1)    | 0.0002342 (0.0001567, 0.0003488) | 0.01295 (0.00938, 0.01697) | 11.8 (8.2, 16.1)     | 0.0001131 (0.0000787, 0.0001546) | 0.00867 (0.00645, 0.01116) |
| DKI Jakarta | Interpersonal violence                        | 60  | 0.6 (0.1, 1.8)       | 0.0000062 (0.0000013, 0.0000174) | 0.00035 (0.00007, 0.00095) | 0.2 (0.1, 0.7)       | 0.0000023 (0.0000005, 0.0000070) | 0.00018 (0.00004, 0.00053) |
| DKI Jakarta | Self-harm                                     | 60  | 0.7 (0.1, 2.0)       | 0.0000067 (0.0000011, 0.0000189) | 0.00037 (0.00006, 0.00106) | 0.2 (0.0, 0.6)       | 0.0000019 (0.0000003, 0.0000062) | 0.00015 (0.00003, 0.00046) |
| DKI Jakarta | Transport injuries                            | 60  | 18.8 (12.3, 29.6)    | 0.0001812 (0.0001184, 0.0002854) | 0.01003 (0.00712, 0.01376) | 5.5 (3.5, 7.9)       | 0.0000526 (0.0000337, 0.0000762) | 0.00404 (0.00276, 0.00578) |
| DKI Jakarta | Other unintentional injuries                  | 60  | 1.5 (0.5, 3.6)       | 0.0000142 (0.0000046, 0.0000345) | 0.00079 (0.00026, 0.00192) | 0.4 (0.1, 1.1)       | 0.0000043 (0.0000014, 0.0000107) | 0.00033 (0.00011, 0.00081) |
| DKI Jakarta | Diarrheal diseases                            | 65  | 28.8 (19.9, 43.8)    | 0.0004003 (0.0002759, 0.0006091) | 0.01556 (0.01175, 0.01991) | 33.3 (24.2, 43.8)    | 0.0004829 (0.0003501, 0.0006344) | 0.02452 (0.01947, 0.02993) |
| DKI Jakarta | HIV/AIDS                                      | 65  | 1.3 (0.4, 3.0)       | 0.0000185 (0.0000062, 0.0000415) | 0.00072 (0.00026, 0.00156) | 1.2 (0.5, 2.3)       | 0.0000167 (0.0000070, 0.0000330) | 0.00085 (0.00037, 0.00165) |
| DKI Jakarta | Lower respiratory infections                  | 65  | 24.9 (16.8, 36.0)    | 0.000346 (0.0002332, 0.0004995)  | 0.01346 (0.00996, 0.01740) | 26.1 (18.5, 34.7)    | 0.0003774 (0.0002681, 0.0005021) | 0.01917 (0.01472, 0.02429) |
| DKI Jakarta | Malaria                                       | 65  | 0.5 (0.0, 2.9)       | 0.000007 (0.0000003, 0.0000399)  | 0.00027 (0.00001, 0.00141) | 0.2 (0.0, 1.3)       | 0.0000034 (0.0000001, 0.0000184) | 0.00017 (0.00001, 0.00093) |
| DKI Jakarta | Tuberculosis                                  | 65  | 169.2 (128.3, 229.8) | 0.0023506 (0.0017820, 0.0031920) | 0.09137 (0.08129, 0.10227) | 95.7 (75.6, 118.9)   | 0.001386 (0.0010958, 0.0017222)  | 0.07039 (0.06189, 0.07985) |
| DKI Jakarta | Other communicable diseases                   | 65  | 17.8 (11.4, 27.1)    | 0.0002478 (0.0001589, 0.0003760) | 0.00963 (0.00679, 0.01327) | 16.8 (11.3, 23.5)    | 0.0002437 (0.0001637, 0.0003404) | 0.01238 (0.00909, 0.01662) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 65  | 48.8 (31.2, 74.1)    | 0.0006785 (0.0004331, 0.0010299) | 0.02636 (0.01915, 0.03535) | 10.8 (6.8, 16.0)     | 0.0001559 (0.0000987, 0.0002323) | 0.00791 (0.00526, 0.01138) |
| DKI Jakarta | Breast cancer                                 | 65  | 1.8 (0.6, 3.9)       | 0.0000251 (0.0000085, 0.0000541) | 0.00098 (0.00035, 0.00198) | 32.3 (22.8, 43.4)    | 0.0004684 (0.0003309, 0.0006286) | 0.02379 (0.01748, 0.03071) |
| DKI Jakarta | Cervical cancer                               | 65  |                      |                                  |                            | 13.1 (7.7, 20.2)     | 0.0001901 (0.0001119, 0.0002929) | 0.00966 (0.00605, 0.01459) |
| DKI Jakarta | Other malignant neoplasms                     | 65  | 72.5 (53.0, 103.0)   | 0.0010068 (0.0007364, 0.0014309) | 0.03911 (0.03301, 0.04590) | 42.6 (31.2, 55.5)    | 0.0006166 (0.0004519, 0.0008033) | 0.03132 (0.02477, 0.03835) |
| DKI Jakarta | Cerebrovascular disease                       | 65  | 333.8 (254.8, 447.5) | 0.0046372 (0.0035392, 0.0062171) | 0.18031 (0.16485, 0.19623) | 301.9 (245.2, 361.9) | 0.0043727 (0.0035526, 0.0052431) | 0.22212 (0.20575, 0.24017) |
| DKI Jakarta | Ischemic heart disease                        | 65  | 466.2 (361.1, 636.6) | 0.0064769 (0.0050169, 0.0088433) | 0.25175 (0.23368, 0.26945) | 265.1 (210.6, 320.3) | 0.0038408 (0.0030507, 0.0046397) | 0.19503 (0.17905, 0.21220) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 65  | 73.8 (52.6, 107.0)   | 0.0010249 (0.0007307, 0.0014870) | 0.03981 (0.03198, 0.04881) | 59.4 (44.3, 77.9)    | 0.0008612 (0.0006421, 0.0011288) | 0.04375 (0.03513, 0.05429) |
| DKI Jakarta | Diabetes mellitus                             | 65  | 214.4 (160.0, 292.4) | 0.002979 (0.0022228, 0.0040621)  | 0.11575 (0.10236, 0.12974) | 215.7 (170.4, 260.3) | 0.0031245 (0.0024684, 0.0037707) | 0.15868 (0.14217, 0.17467) |
| DKI Jakarta | Chronic kidney disease                        | 65  | 52.7 (35.0, 77.2)    | 0.0007316 (0.0004861, 0.0010723) | 0.02842 (0.02186, 0.03569) | 37.3 (26.4, 50.3)    | 0.0005408 (0.0003825, 0.0007292) | 0.02746 (0.02086, 0.03439) |
| DKI Jakarta | Cirrhosis                                     | 65  | 54.4 (38.9, 78.9)    | 0.0007557 (0.0005411, 0.0010962) | 0.02939 (0.02369, 0.03635) | 26.3 (19.4, 34.9)    | 0.0003812 (0.0002815, 0.0005048) | 0.01936 (0.01528, 0.02437) |
| DKI Jakarta | Chronic respiratory diseases                  | 65  | 144.7 (108.1, 202.8) | 0.0020105 (0.0015013, 0.0028172) | 0.07813 (0.06650, 0.09072) | 73.2 (56.1, 91.7)    | 0.0010602 (0.0008127, 0.0013282) | 0.05383 (0.04582, 0.06221) |
| DKI Jakarta | Other non-communicable diseases               | 65  | 108.2 (80.8, 149.6)  | 0.0015037 (0.0011225, 0.0020780) | 0.0585 (0.05055, 0.06767)  | 91.6 (70.7, 114.3)   | 0.0013265 (0.0010247, 0.0016560) | 0.06739 (0.05836, 0.07730) |
| DKI Jakarta | Drowning                                      | 65  | 0.1 (0.0, 0.3)       | 0.0000011 (0.0000002, 0.0000038) | 0.00004 (0.00001, 0.00015) | - (0.0, 0.1)         | 0.0000006 (0.0000001, 0.0000021) | 0.00003 (0.00001, 0.00011) |
| DKI Jakarta | Falls                                         | 65  | 21.9 (14.0, 33.3)    | 0.0003039 (0.0001940, 0.0004619) | 0.0118 (0.00847, 0.01544)  | 11.7 (8.3, 16.2)     | 0.00017 (0.0001197, 0.0002349)   | 0.00863 (0.00661, 0.01101) |
| DKI Jakarta | Interpersonal violence                        | 65  | 0.5 (0.1, 1.5)       | 0.0000065 (0.0000012, 0.0000204) | 0.00025 (0.00005, 0.00080) | 0.2 (0.0, 0.5)       | 0.0000023 (0.0000005, 0.0000070) | 0.00011 (0.00002, 0.00035) |
| DKI Jakarta | Self-harm                                     | 65  | 0.6 (0.1, 1.7)       | 0.000008 (0.0000013, 0.0000229)  | 0.00031 (0.00005, 0.00090) | 0.1 (0.0, 0.5)       | 0.0000021 (0.0000003, 0.0000066) | 0.00011 (0.00002, 0.00033) |
| DKI Jakarta | Transport injuries                            | 65  | 13.7 (8.2, 21.7)     | 0.0001906 (0.0001136, 0.0003021) | 0.00741 (0.00500, 0.01031) | 4.2 (2.6, 6.2)       | 0.0000604 (0.0000377, 0.0000904) | 0.00307 (0.00197, 0.00449) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Other unintentional injuries                  | 65  | 1.2 (0.4, 3.0)       | 0.0000167 (0.0000051, 0.0000419) | 0.00065 (0.00021, 0.00163) | 0.4 (0.1, 0.9)       | 0.0000052 (0.0000017, 0.0000130) | 0.00026 (0.00008, 0.00065) |
| DKI Jakarta | Diarrheal diseases                            | 70  | 37.4 (26.7, 55.2)    | 0.0009166 (0.0006527, 0.0013504) | 0.02204 (0.01744, 0.02732) | 47.2 (35.2, 60.0)    | 0.001058 (0.0007883, 0.0013447)  | 0.03288 (0.02697, 0.03930) |
| DKI Jakarta | HIV/AIDS                                      | 70  | 1.7 (0.6, 4.0)       | 0.0000413 (0.0000140, 0.0000979) | 0.00099 (0.00035, 0.00217) | 1.6 (0.7, 3.3)       | 0.0000359 (0.0000147, 0.0000732) | 0.00111 (0.00044, 0.00217) |
| DKI Jakarta | Lower respiratory infections                  | 70  | 30.8 (21.1, 44.8)    | 0.000755 (0.0005165, 0.0010955)  | 0.01817 (0.01370, 0.02347) | 36.6 (26.0, 47.7)    | 0.000821 (0.0005826, 0.0010687)  | 0.02552 (0.01992, 0.03188) |
| DKI Jakarta | Malaria                                       | 70  | 0.4 (0.0, 2.3)       | 0.0000102 (0.0000004, 0.0000571) | 0.00025 (0.00001, 0.00134) | 0.2 (0.0, 1.1)       | 0.0000046 (0.0000002, 0.0000250) | 0.00014 (0.00000, 0.00078) |
| DKI Jakarta | Tuberculosis                                  | 70  | 160.9 (121.9, 221.6) | 0.0039385 (0.0029850, 0.0054249) | 0.09475 (0.08397, 0.10548) | 102.4 (79.2, 124.3)  | 0.0022938 (0.0017750, 0.0027855) | 0.07128 (0.06167, 0.08063) |
| DKI Jakarta | Other communicable diseases                   | 70  | 17.4 (11.1, 26.7)    | 0.0004252 (0.0002708, 0.0006534) | 0.01023 (0.00720, 0.01371) | 18.0 (12.4, 24.9)    | 0.0004032 (0.0002769, 0.0005570) | 0.01253 (0.00892, 0.01666) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 70  | 38.4 (24.3, 60.4)    | 0.0009401 (0.0005946, 0.0014777) | 0.02262 (0.01644, 0.03082) | 9.6 (5.9, 14.6)      | 0.0002161 (0.0001314, 0.0003262) | 0.00671 (0.00427, 0.00989) |
| DKI Jakarta | Breast cancer                                 | 70  | 1.1 (0.4, 2.6)       | 0.000028 (0.0000086, 0.0000633)  | 0.00067 (0.00022, 0.00147) | 20.6 (14.1, 27.5)    | 0.0004605 (0.0003158, 0.0006172) | 0.01431 (0.01037, 0.01872) |
| DKI Jakarta | Cervical cancer                               | 70  |                      |                                  |                            | 8.9 (5.1, 14.0)      | 0.0001997 (0.0001149, 0.0003133) | 0.00621 (0.00377, 0.00952) |
| DKI Jakarta | Other malignant neoplasms                     | 70  | 51.5 (38.0, 74.2)    | 0.0012616 (0.0009291, 0.0018152) | 0.03034 (0.02540, 0.03616) | 36.3 (26.9, 46.6)    | 0.0008124 (0.0006038, 0.0010438) | 0.02524 (0.02054, 0.03079) |
| DKI Jakarta | Cerebrovascular disease                       | 70  | 320.5 (246.0, 434.4) | 0.0078454 (0.0060226, 0.0106340) | 0.18873 (0.17345, 0.20513) | 339.9 (271.2, 397.0) | 0.0076172 (0.0060777, 0.0088950) | 0.23677 (0.22039, 0.25425) |
| DKI Jakarta | Ischemic heart disease                        | 70  | 414.6 (321.5, 564.6) | 0.0101498 (0.0078699, 0.0138195) | 0.24411 (0.22747, 0.26068) | 288.4 (225.7, 343.9) | 0.0064626 (0.0050576, 0.0077052) | 0.20078 (0.18588, 0.21695) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 70  | 75.6 (54.4, 109.2)   | 0.0018507 (0.0013310, 0.0026723) | 0.04448 (0.03606, 0.05404) | 68.8 (51.1, 88.7)    | 0.001542 (0.0011452, 0.0019872)  | 0.04793 (0.03879, 0.05930) |
| DKI Jakarta | Diabetes mellitus                             | 70  | 148.1 (111.0, 204.1) | 0.0036252 (0.0027176, 0.0049960) | 0.08716 (0.07654, 0.09782) | 177.1 (137.7, 212.0) | 0.0039683 (0.0030851, 0.0047495) | 0.12331 (0.10943, 0.13644) |
| DKI Jakarta | Chronic kidney disease                        | 70  | 41.6 (27.9, 61.7)    | 0.0010187 (0.0006832, 0.0015112) | 0.02448 (0.01878, 0.03096) | 34.4 (23.9, 45.9)    | 0.0007716 (0.0005366, 0.0010277) | 0.02396 (0.01807, 0.03030) |
| DKI Jakarta | Cirrhosis                                     | 70  | 42.4 (30.1, 62.4)    | 0.0010382 (0.0007357, 0.0015281) | 0.02498 (0.01995, 0.03106) | 24.2 (17.8, 31.9)    | 0.0005432 (0.0003993, 0.0007146) | 0.01689 (0.01330, 0.02120) |
| DKI Jakarta | Chronic respiratory diseases                  | 70  | 170.3 (127.5, 236.6) | 0.0041678 (0.0031208, 0.0057922) | 0.10022 (0.08643, 0.11378) | 95.2 (73.5, 115.5)   | 0.0021336 (0.0016465, 0.0025870) | 0.0663 (0.05662, 0.07575)  |
| DKI Jakarta | Other non-communicable diseases               | 70  | 112.1 (83.7, 157.5)  | 0.002744 (0.0020497, 0.0038548)  | 0.06604 (0.05763, 0.07567) | 109.4 (83.4, 133.7)  | 0.0024504 (0.0018690, 0.0029966) | 0.07615 (0.06629, 0.08697) |
| DKI Jakarta | Drowning                                      | 70  | 0.1 (0.0, 0.4)       | 0.0000029 (0.0000005, 0.0000099) | 0.00007 (0.00001, 0.00023) | 0.1 (0.0, 0.2)       | 0.0000016 (0.0000004, 0.0000050) | 0.00005 (0.00001, 0.00015) |
| DKI Jakarta | Falls                                         | 70  | 20.7 (13.6, 30.0)    | 0.0005078 (0.0003317, 0.0007355) | 0.01221 (0.00901, 0.01582) | 12.8 (9.1, 17.0)     | 0.0002868 (0.0002045, 0.0003812) | 0.00891 (0.00686, 0.01144) |
| DKI Jakarta | Interpersonal violence                        | 70  | 0.3 (0.0, 0.9)       | 0.0000066 (0.0000012, 0.0000213) | 0.00016 (0.00003, 0.00050) | 0.1 (0.0, 0.3)       | 0.0000023 (0.0000004, 0.0000078) | 0.00007 (0.00001, 0.00023) |
| DKI Jakarta | Self-harm                                     | 70  | 0.4 (0.1, 1.1)       | 0.0000097 (0.0000017, 0.0000274) | 0.00024 (0.00004, 0.00068) | 0.1 (0.0, 0.4)       | 0.0000025 (0.0000004, 0.0000079) | 0.00008 (0.00001, 0.00025) |
| DKI Jakarta | Transport injuries                            | 70  | 11.0 (6.8, 17.8)     | 0.0002695 (0.0001664, 0.0004353) | 0.00649 (0.00433, 0.00937) | 3.8 (2.5, 5.8)       | 0.0000853 (0.0000551, 0.0001303) | 0.00265 (0.00174, 0.00390) |
| DKI Jakarta | Other unintentional injuries                  | 70  | 1.0 (0.3, 2.3)       | 0.0000238 (0.0000072, 0.0000573) | 0.00057 (0.00019, 0.00139) | 0.3 (0.1, 0.8)       | 0.0000073 (0.0000023, 0.0000182) | 0.00023 (0.00007, 0.00054) |
| DKI Jakarta | Diarrheal diseases                            | 75  | 30.2 (20.7, 44.9)    | 0.0015618 (0.0010720, 0.0023213) | 0.02723 (0.02207, 0.03369) | 46.8 (34.8, 58.8)    | 0.0019409 (0.0014431, 0.0024393) | 0.03785 (0.03175, 0.04496) |
| DKI Jakarta | HIV/AIDS                                      | 75  | 0.9 (0.3, 2.2)       | 0.000047 (0.0000164, 0.0001146)  | 0.00082 (0.00030, 0.00189) | 1.1 (0.4, 2.3)       | 0.0000451 (0.0000184, 0.0000938) | 0.00088 (0.00036, 0.00177) |
| DKI Jakarta | Lower respiratory infections                  | 75  | 22.5 (15.1, 33.5)    | 0.0011658 (0.0007785, 0.0017303) | 0.02034 (0.01524, 0.02654) | 32.4 (23.0, 42.5)    | 0.001345 (0.0009633, 0.0017627)  | 0.02623 (0.02042, 0.03324) |
| DKI Jakarta | Malaria                                       | 75  | 0.3 (0.0, 1.6)       | 0.000015 (0.0000005, 0.0000832)  | 0.00026 (0.00001, 0.00139) | 0.2 (0.0, 1.0)       | 0.0000078 (0.0000002, 0.0000408) | 0.00015 (0.00000, 0.00074) |
| DKI Jakarta | Tuberculosis                                  | 75  | 94.7 (71.1, 131.9)   | 0.0048938 (0.0036773, 0.0068198) | 0.08537 (0.07459, 0.09699) | 78.3 (59.6, 95.9)    | 0.0032479 (0.0024729, 0.0039791) | 0.06334 (0.05428, 0.07286) |
| DKI Jakarta | Other communicable diseases                   | 75  | 11.3 (6.9, 17.5)     | 0.0005846 (0.0003545, 0.0009065) | 0.01019 (0.00716, 0.01420) | 14.1 (9.3, 19.9)     | 0.0005847 (0.0003859, 0.0008244) | 0.01141 (0.00805, 0.01538) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 75  | 21.0 (12.6, 32.5)    | 0.0010843 (0.0006494, 0.0016828) | 0.01893 (0.01296, 0.02619) | 6.5 (3.8, 10.2)      | 0.0002692 (0.0001562, 0.0004232) | 0.00524 (0.00326, 0.00828) |
| DKI Jakarta | Breast cancer                                 | 75  | 0.5 (0.1, 1.2)       | 0.0000253 (0.0000070, 0.0000603) | 0.00044 (0.00013, 0.00102) | 12.3 (7.8, 17.5)     | 0.0005104 (0.0003223, 0.0007265) | 0.00995 (0.00667, 0.01385) |
| DKI Jakarta | Cervical cancer                               | 75  |                      |                                  |                            | 4.6 (2.4, 7.7)       | 0.0001901 (0.0001011, 0.0003190) | 0.00371 (0.00206, 0.00612) |
| DKI Jakarta | Other malignant neoplasms                     | 75  | 25.9 (18.6, 37.5)    | 0.0013408 (0.0009637, 0.0019367) | 0.02339 (0.01941, 0.02859) | 27.8 (20.5, 36.5)    | 0.0011538 (0.0008490, 0.0015161) | 0.0225 (0.01780, 0.02806)  |
| DKI Jakarta | Cerebrovascular disease                       | 75  | 210.3 (160.0, 289.4) | 0.0108747 (0.0082706, 0.0149634) | 0.18973 (0.17308, 0.20630) | 292.9 (226.7, 341.3) | 0.0121518 (0.0094036, 0.0141581) | 0.23701 (0.21984, 0.25524) |
| DKI Jakarta | Ischemic heart disease                        | 75  | 290.6 (225.5, 403.8) | 0.0150231 (0.0116600, 0.0208793) | 0.26208 (0.24499, 0.27972) | 272.1 (208.5, 320.0) | 0.0112891 (0.0086488, 0.0132774) | 0.2201 (0.20395, 0.23796)  |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 75  | 51.0 (35.5, 75.7)    | 0.0026365 (0.0018350, 0.0039126) | 0.04595 (0.03716, 0.05619) | 62.2 (46.4, 80.7)    | 0.0025799 (0.0019243, 0.0033470) | 0.05031 (0.04074, 0.06242) |
| DKI Jakarta | Diabetes mellitus                             | 75  | 82.1 (61.2, 117.2)   | 0.004246 (0.0031643, 0.0060606)  | 0.07403 (0.06331, 0.08448) | 132.8 (101.0, 159.2) | 0.0055105 (0.0041918, 0.0066068) | 0.10747 (0.09341, 0.12187) |
| DKI Jakarta | Chronic kidney disease                        | 75  | 24.4 (16.1, 36.7)    | 0.0012613 (0.0008307, 0.0018994) | 0.02197 (0.01637, 0.02803) | 27.5 (19.1, 36.4)    | 0.0011427 (0.0007919, 0.0015093) | 0.02227 (0.01705, 0.02829) |
| DKI Jakarta | Cirrhosis                                     | 75  | 24.5 (17.1, 36.1)    | 0.0012665 (0.0008845, 0.0018684) | 0.02211 (0.01751, 0.02750) | 18.1 (13.3, 23.7)    | 0.0007527 (0.0005532, 0.0009817) | 0.01468 (0.01165, 0.01845) |
| DKI Jakarta | Chronic respiratory diseases                  | 75  | 113.1 (83.5, 161.6)  | 0.0058466 (0.0043156, 0.0083577) | 0.10194 (0.08823, 0.11634) | 83.7 (62.7, 102.3)   | 0.0034731 (0.0026014, 0.0042458) | 0.06771 (0.05795, 0.07818) |
| DKI Jakarta | Other non-communicable diseases               | 75  | 84.6 (62.7, 119.8)   | 0.0043718 (0.0032436, 0.0061941) | 0.07633 (0.06605, 0.08737) | 109.1 (81.1, 131.7)  | 0.0045276 (0.0033656, 0.0054629) | 0.08828 (0.07662, 0.10052) |
| DKI Jakarta | Drowning                                      | 75  | 0.1 (0.0, 0.4)       | 0.0000054 (0.0000009, 0.0000186) | 0.00009 (0.00002, 0.00031) | 0.1 (0.0, 0.2)       | 0.000003 (0.0000006, 0.0000093)  | 0.00006 (0.00001, 0.00018) |
| DKI Jakarta | Falls                                         | 75  | 15.0 (9.7, 22.9)     | 0.0007774 (0.0004995, 0.0011831) | 0.01356 (0.01027, 0.01756) | 11.0 (7.7, 14.6)     | 0.0004547 (0.0003175, 0.0006075) | 0.00886 (0.00674, 0.01126) |
| DKI Jakarta | Interpersonal violence                        | 75  | 0.1 (0.0, 0.4)       | 0.0000062 (0.0000009, 0.0000222) | 0.00011 (0.00002, 0.00038) | 0.1 (0.0, 0.2)       | 0.0000025 (0.0000004, 0.0000087) | 0.00005 (0.00001, 0.00017) |
| DKI Jakarta | Self-harm                                     | 75  | 0.2 (0.0, 0.7)       | 0.0000112 (0.0000019, 0.0000339) | 0.0002 (0.00003, 0.00057)  | 0.1 (0.0, 0.2)       | 0.0000034 (0.0000005, 0.0000103) | 0.00007 (0.00001, 0.00021) |
| DKI Jakarta | Transport injuries                            | 75  | 4.9 (2.7, 8.6)       | 0.0002544 (0.0001409, 0.0004435) | 0.00444 (0.00267, 0.00682) | 2.1 (1.2, 3.4)       | 0.0000857 (0.0000498, 0.0001402) | 0.00167 (0.00101, 0.00265) |
| DKI Jakarta | Other unintentional injuries                  | 75  | 0.6 (0.2, 1.4)       | 0.0000286 (0.0000086, 0.0000714) | 0.00005 (0.00016, 0.00120) | 0.2 (0.1, 0.6)       | 0.0000097 (0.0000029, 0.0000232) | 0.00019 (0.00006, 0.00046) |
| DKI Jakarta | Diarrheal diseases                            | 80  | 64.1 (49.0, 84.9)    | 0.0061204 (0.0046793, 0.0081044) | 0.05021 (0.04131, 0.05939) | 159.2 (128.6, 189.2) | 0.008281 (0.0066913, 0.0098428)  | 0.06746 (0.05723, 0.07768) |
| DKI Jakarta | HIV/AIDS                                      | 80  | 1.2 (0.3, 3.0)       | 0.000115 (0.0000331, 0.0002888)  | 0.00095 (0.00026, 0.00238) | 2.2 (0.7, 5.2)       | 0.0001166 (0.0000378, 0.0002708) | 0.00095 (0.00031, 0.00222) |
| DKI Jakarta | Lower respiratory infections                  | 80  | 35.1 (24.6, 48.2)    | 0.0033477 (0.0023538, 0.0045999) | 0.02748 (0.02025, 0.03470) | 84.9 (64.4, 106.1)   | 0.0044146 (0.0033059, 0.0055193) | 0.03596 (0.02834, 0.04438) |
| DKI Jakarta | Malaria                                       | 80  | 0.4 (0.0, 2.1)       | 0.0000371 (0.0000012, 0.0002036) | 0.0003 (0.00001, 0.00167)  | 0.4 (0.0, 2.0)       | 0.0000184 (0.0000005, 0.0001031) | 0.00015 (0.00000, 0.00083) |
| DKI Jakarta | Tuberculosis                                  | 80  | 109.4 (87.4, 140.6)  | 0.0104483 (0.0083443, 0.0134270) | 0.08574 (0.07405, 0.09864) | 135.3 (108.5, 163.0) | 0.0070392 (0.0056468, 0.0084809) | 0.05733 (0.04873, 0.06734) |
| DKI Jakarta | Other communicable diseases                   | 80  | 16.5 (10.7, 24.7)    | 0.0015748 (0.0010210, 0.0023560) | 0.01291 (0.00881, 0.01781) | 34.4 (24.0, 47.1)    | 0.0017911 (0.0012465, 0.0024489) | 0.01459 (0.01013, 0.01970) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 80  | 18.0 (10.5, 28.4)    | 0.0017148 (0.0010037, 0.0027083) | 0.01407 (0.00859, 0.02132) | 9.8 (5.3, 16.4)      | 0.0005113 (0.0002736, 0.0008514) | 0.00416 (0.00227, 0.00684) |
| DKI Jakarta | Breast cancer                                 | 80  | 0.4 (0.1, 1.0)       | 0.0000381 (0.0000090, 0.0000974) | 0.00031 (0.00008, 0.00081) | 13.2 (7.5, 20.5)     | 0.0006869 (0.0003898, 0.0010665) | 0.00559 (0.00323, 0.00869) |
| DKI Jakarta | Cervical cancer                               | 80  |                      |                                  |                            | 5.7 (2.8, 10.2)      | 0.0002963 (0.0001437, 0.0005322) | 0.00241 (0.00118, 0.00435) |
| DKI Jakarta | Other malignant neoplasms                     | 80  | 24.2 (18.2, 33.3)    | 0.0023133 (0.0017385, 0.0031785) | 0.01898 (0.01520, 0.02353) | 39.5 (29.8, 51.7)    | 0.0020535 (0.0015499, 0.0026905) | 0.01672 (0.01310, 0.02136) |
| DKI Jakarta | Cerebrovascular disease                       | 80  | 249.1 (205.6, 313.1) | 0.0237897 (0.0196329, 0.0299044) | 0.19518 (0.17734, 0.21288) | 587.3 (498.2, 659.8) | 0.0305498 (0.0259193, 0.0343251) | 0.24887 (0.23059, 0.26722) |
| DKI Jakarta | Ischemic heart disease                        | 80  | 310.1 (258.3, 386.7) | 0.0296156 (0.0246673, 0.0369388) | 0.24298 (0.22485, 0.26098) | 500.3 (418.3, 567.5) | 0.026028 (0.0217610, 0.0295234)  | 0.21197 (0.19389, 0.23057) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | 80  | 55.8 (41.1, 75.5)          | 0.0053264 (0.0039246, 0.0072150) | 0.04367 (0.03465, 0.05371) | 106.8 (81.1, 135.1)        | 0.0055556 (0.0042201, 0.0070262) | 0.04526 (0.03551, 0.05642) |
| DKI Jakarta | Diabetes mellitus                                        | 80  | 75.1 (58.9, 99.2)          | 0.007174 (0.0056280, 0.0094778)  | 0.05881 (0.04956, 0.06770) | 199.3 (161.3, 238.0)       | 0.0103673 (0.0083887, 0.0123797) | 0.08444 (0.07154, 0.09798) |
| DKI Jakarta | Chronic kidney disease                                   | 80  | 22.6 (15.4, 31.9)          | 0.0021569 (0.0014756, 0.0030436) | 0.01767 (0.01302, 0.02275) | 40.3 (29.1, 54.1)          | 0.0020979 (0.0015155, 0.0028126) | 0.01708 (0.01286, 0.02252) |
| DKI Jakarta | Cirrhosis                                                | 80  | 24.2 (17.7, 32.6)          | 0.0023149 (0.0016911, 0.0031153) | 0.01901 (0.01458, 0.02425) | 31.2 (23.6, 40.4)          | 0.0016206 (0.0012285, 0.0021036) | 0.0132 (0.01016, 0.01694)  |
| DKI Jakarta | Chronic respiratory diseases                             | 80  | 135.3 (107.0, 175.0)       | 0.0129225 (0.0102220, 0.0167135) | 0.10597 (0.09202, 0.12146) | 148.8 (121.2, 180.2)       | 0.0077383 (0.0063062, 0.0093738) | 0.06302 (0.05335, 0.07407) |
| DKI Jakarta | Other non-communicable diseases                          | 80  | 110.1 (88.5, 142.0)        | 0.0105178 (0.0084509, 0.0135617) | 0.08632 (0.07447, 0.09855) | 232.4 (186.9, 273.2)       | 0.0120883 (0.0097204, 0.0142106) | 0.09845 (0.08500, 0.11187) |
| DKI Jakarta | Drowning                                                 | 80  | 0.1 (0.0, 0.3)             | 0.0000099 (0.0000016, 0.0000333) | 0.00008 (0.00001, 0.00026) | 0.1 (0.0, 0.4)             | 0.0000071 (0.0000013, 0.0000225) | 0.00006 (0.00001, 0.00019) |
| DKI Jakarta | Falls                                                    | 80  | 19.8 (13.9, 27.6)          | 0.0018894 (0.0013307, 0.0026366) | 0.01551 (0.01161, 0.02033) | 25.6 (19.2, 33.7)          | 0.0013325 (0.0009994, 0.0017512) | 0.01085 (0.00847, 0.01409) |
| DKI Jakarta | Interpersonal violence                                   | 80  | 0.1 (0.0, 0.3)             | 0.0000079 (0.0000008, 0.0000267) | 0.00006 (0.00001, 0.00022) | 0.1 (0.0, 0.2)             | 0.000003 (0.0000003, 0.0000110)  | 0.00002 (0.00000, 0.00009) |
| DKI Jakarta | Self-harm                                                | 80  | 0.2 (0.0, 0.6)             | 0.0000172 (0.0000028, 0.0000528) | 0.00014 (0.00002, 0.00044) | 0.1 (0.0, 0.3)             | 0.0000048 (0.0000008, 0.0000167) | 0.00004 (0.00001, 0.00013) |
| DKI Jakarta | Transport injuries                                       | 80  | 4.2 (2.2, 6.7)             | 0.0003966 (0.0002105, 0.0006427) | 0.00325 (0.00185, 0.00517) | 2.9 (1.6, 4.7)             | 0.0001524 (0.0000836, 0.0002461) | 0.00124 (0.00069, 0.00200) |
| DKI Jakarta | Other unintentional injuries                             | 80  | 0.5 (0.1, 1.2)             | 0.0000471 (0.0000141, 0.0001185) | 0.00039 (0.00001, 0.00101) | 0.3 (0.1, 0.8)             | 0.0000171 (0.0000051, 0.0000442) | 0.00014 (0.00004, 0.00037) |
| DKI Jakarta | Diarrheal diseases                                       | All | 717.8 (513.1, 980.3)       | 0.0001416 (0.0001012, 0.0001934) | 0.03192 (0.02354, 0.04166) | 833.4 (607.7, 1,107.4)     | 0.0001684 (0.0001228, 0.0002238) | 0.04772 (0.03716, 0.06076) |
| DKI Jakarta | HIV/AIDS                                                 | All | 287.2 (192.2, 428.4)       | 0.0000567 (0.0000379, 0.0000845) | 0.01277 (0.00902, 0.01763) | 139.9 (92.4, 205.5)        | 0.0000283 (0.0000187, 0.0000415) | 0.008 (0.00555, 0.01121)   |
| DKI Jakarta | Lower respiratory infections                             | All | 824.8 (568.5, 1,128.3)     | 0.0001627 (0.0001121, 0.0002226) | 0.03669 (0.02706, 0.04755) | 650.3 (475.2, 857.9)       | 0.0001314 (0.0000960, 0.0001734) | 0.03721 (0.02876, 0.04737) |
| DKI Jakarta | Malaria                                                  | All | 8.0 (0.3, 42.5)            | 0.0000016 (0.0000001, 0.0000084) | 0.00003 (0.00001, 0.00176) | 4.0 (0.1, 21.8)            | 0.0000008 (0.0000000, 0.0000044) | 0.00023 (0.00001, 0.00126) |
| DKI Jakarta | Tuberculosis                                             | All | 1,815.5 (1,443.5, 2,453.7) | 0.0003581 (0.0002848, 0.0004840) | 0.0805 (0.07026, 0.09195)  | 977.6 (779.4, 1,207.3)     | 0.0001976 (0.0001575, 0.0002440) | 0.05597 (0.04844, 0.06451) |
| DKI Jakarta | Maternal disorders                                       | All |                            |                                  |                            | 183.6 (122.4, 262.5)       | 0.0000371 (0.0000247, 0.0000531) | 0.0105 (0.00731, 0.01407)  |
| DKI Jakarta | Neonatal encephalopathy due to birth asphyxia and trauma | All | 387.5 (176.8, 672.1)       | 0.0000765 (0.0000349, 0.0001326) | 0.01719 (0.00787, 0.02988) | 258.8 (117.9, 476.0)       | 0.0000523 (0.0000238, 0.0000962) | 0.01473 (0.00683, 0.02645) |
| DKI Jakarta | Preterm birth complications                              | All | 803.3 (398.7, 1,299.5)     | 0.0001585 (0.0000787, 0.0002564) | 0.03566 (0.01813, 0.05754) | 712.8 (385.4, 1,165.5)     | 0.000144 (0.0000779, 0.0002355)  | 0.04059 (0.02252, 0.06493) |
| DKI Jakarta | Other neonatal disorders                                 | All | 182.9 (65.2, 390.8)        | 0.0000361 (0.0000129, 0.0000771) | 0.00812 (0.00308, 0.01663) | 119.5 (41.3, 265.0)        | 0.0000241 (0.0000083, 0.0000536) | 0.00678 (0.00250, 0.01488) |
| DKI Jakarta | Other communicable diseases                              | All | 1,231.1 (913.0, 1,630.2)   | 0.0002429 (0.0001801, 0.0003216) | 0.0548 (0.04256, 0.06898)  | 847.6 (602.7, 1,148.6)     | 0.0001713 (0.0001218, 0.0002321) | 0.04853 (0.03682, 0.06339) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer                      | All | 397.5 (271.5, 592.1)       | 0.0000784 (0.0000536, 0.0001168) | 0.01761 (0.01311, 0.02298) | 123.6 (82.1, 180.5)        | 0.000025 (0.0000166, 0.0000365)  | 0.00707 (0.00500, 0.00971) |
| DKI Jakarta | Breast cancer                                            | All | 17.5 (8.7, 31.7)           | 0.0000034 (0.0000017, 0.0000062) | 0.00077 (0.00041, 0.00134) | 557.7 (405.3, 732.9)       | 0.0001127 (0.0000819, 0.0001481) | 0.03189 (0.02541, 0.03918) |
| DKI Jakarta | Cervical cancer                                          | All |                            |                                  |                            | 218.5 (141.5, 321.1)       | 0.0000442 (0.0000286, 0.0000649) | 0.01249 (0.00841, 0.01710) |
| DKI Jakarta | Other malignant neoplasms                                | All | 1,124.6 (877.3, 1,564.8)   | 0.0002219 (0.0001731, 0.0003087) | 0.04986 (0.04290, 0.05741) | 603.3 (463.6, 772.0)       | 0.0001219 (0.0000937, 0.0001560) | 0.03452 (0.02872, 0.04118) |
| DKI Jakarta | Cerebrovascular disease                                  | All | 2,470.7 (1,928.2, 3,316.2) | 0.0004874 (0.0003804, 0.0006542) | 0.10949 (0.09553, 0.12302) | 2,606.9 (2,115.7, 3,098.9) | 0.0005268 (0.0004275, 0.0006262) | 0.14937 (0.13295, 0.16573) |
| DKI Jakarta | Ischemic heart disease                                   | All | 3,906.9 (3,110.7, 5,387.5) | 0.0007707 (0.0006137, 0.0010628) | 0.17313 (0.15371, 0.19229) | 2,530.9 (2,015.0, 3,050.6) | 0.0005114 (0.0004072, 0.0006165) | 0.14493 (0.12799, 0.16199) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | All | 564.5 (417.1, 792.4)       | 0.0001114 (0.0000823, 0.0001563) | 0.02499 (0.02000, 0.03076) | 537.3 (405.3, 704.7)       | 0.0001086 (0.0000819, 0.0001424) | 0.03078 (0.02481, 0.03817) |
| DKI Jakarta | Diabetes mellitus                                        | All | 1,768.7 (1,373.2, 2,356.6) | 0.0003489 (0.0002709, 0.0004649) | 0.07834 (0.06717, 0.08998) | 1,898.2 (1,492.3, 2,326.9) | 0.0003836 (0.0003016, 0.0004702) | 0.10866 (0.09217, 0.12228) |
| DKI Jakarta | Chronic kidney disease                                   | All | 572.5 (406.0, 801.1)       | 0.0001129 (0.0000801, 0.0001580) | 0.02537 (0.01993, 0.03173) | 441.8 (318.7, 592.5)       | 0.0000893 (0.0000644, 0.0001197) | 0.02528 (0.01941, 0.03203) |
| DKI Jakarta | Cirrhosis                                                | All | 825.9 (620.8, 1,126.4)     | 0.0001629 (0.0001225, 0.0002222) | 0.03665 (0.02973, 0.04387) | 356.7 (268.9, 475.4)       | 0.0000721 (0.0000543, 0.0000961) | 0.02041 (0.01660, 0.02564) |
| DKI Jakarta | Chronic respiratory diseases                             | All | 1,077.7 (825.7, 1,485.8)   | 0.0002126 (0.0001629, 0.0002931) | 0.04776 (0.03999, 0.05665) | 638.2 (501.6, 792.7)       | 0.000129 (0.0001014, 0.0001602)  | 0.03656 (0.03053, 0.04302) |
| DKI Jakarta | Other non-communicable diseases                          | All | 1,682.5 (1,327.8, 2,170.8) | 0.0003319 (0.0002619, 0.0004282) | 0.07472 (0.06593, 0.08379) | 1,604.2 (1,297.7, 1,968.1) | 0.0003242 (0.0002622, 0.0003977) | 0.0918 (0.08188, 0.10351)  |
| DKI Jakarta | Drowning                                                 | All | 46.9 (13.3, 121.1)         | 0.0000093 (0.0000026, 0.0000239) | 0.0021 (0.00059, 0.00558)  | 14.2 (4.1, 36.9)           | 0.0000029 (0.0000008, 0.0000075) | 0.00082 (0.00023, 0.00211) |
| DKI Jakarta | Falls                                                    | All | 589.7 (426.0, 796.0)       | 0.0001163 (0.0000840, 0.0001570) | 0.02621 (0.02031, 0.03292) | 257.7 (192.8, 338.6)       | 0.0000521 (0.0000390, 0.0000684) | 0.01475 (0.01145, 0.01840) |
| DKI Jakarta | Interpersonal violence                                   | All | 29.2 (8.0, 72.7)           | 0.0000058 (0.0000016, 0.0000143) | 0.0013 (0.00035, 0.00339)  | 13.8 (3.7, 36.6)           | 0.0000028 (0.0000007, 0.0000074) | 0.00079 (0.00021, 0.00209) |
| DKI Jakarta | Self-harm                                                | All | 15.6 (2.9, 44.2)           | 0.0000031 (0.0000006, 0.0000087) | 0.0007 (0.00013, 0.00193)  | 5.7 (1.0, 16.8)            | 0.0000011 (0.0000002, 0.0000034) | 0.00032 (0.00006, 0.00095) |
| DKI Jakarta | Transport injuries                                       | All | 1,128.7 (877.5, 1,545.6)   | 0.0002227 (0.0001731, 0.0003049) | 0.05014 (0.04173, 0.05963) | 317.5 (243.5, 412.5)       | 0.0000642 (0.0000492, 0.0000834) | 0.01818 (0.01450, 0.02210) |
| DKI Jakarta | Other unintentional injuries                             | All | 64.3 (21.9, 146.6)         | 0.0000127 (0.0000043, 0.0000289) | 0.00286 (0.00102, 0.00650) | 20.0 (6.9, 49.2)           | 0.000004 (0.0000014, 0.0000100)  | 0.00115 (0.00039, 0.00270) |
| Jawa Barat  | Diarrheal diseases                                       | NN  | 52.9 (23.5, 95.7)          | 0.0014946 (0.0006636, 0.0027052) | 0.01119 (0.00750, 0.01542) | 47.5 (20.9, 90.4)          | 0.0014046 (0.0006180, 0.0026737) | 0.01287 (0.00881, 0.01780) |
| Jawa Barat  | Lower respiratory infections                             | NN  | 586.2 (291.3, 965.4)       | 0.016575 (0.0082356, 0.0272957)  | 0.12417 (0.10553, 0.14432) | 372.8 (192.5, 635.0)       | 0.0110217 (0.0056918, 0.0187721) | 0.1013 (0.08285, 0.12101)  |
| Jawa Barat  | Malaria                                                  | NN  | 0.2 (0.0, 0.7)             | 0.0000062 (0.0000012, 0.0000209) | 0.00005 (0.00001, 0.00015) | 0.1 (0.0, 0.5)             | 0.0000041 (0.0000007, 0.0000141) | 0.00004 (0.00001, 0.00011) |
| Jawa Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 1,528.2 (775.6, 2,430.9)   | 0.0432099 (0.0219309, 0.0687332) | 0.32315 (0.28274, 0.36293) | 1,087.2 (552.6, 1,798.9)   | 0.0321417 (0.0163370, 0.0531808) | 0.29535 (0.25221, 0.34009) |
| Jawa Barat  | Preterm birth complications                              | NN  | 1,293.4 (654.3, 2,052.4)   | 0.0365703 (0.0185004, 0.0580313) | 0.27379 (0.23211, 0.31599) | 1,195.8 (634.8, 1,987.1)   | 0.0353514 (0.0187676, 0.0587435) | 0.32535 (0.28218, 0.36939) |
| Jawa Barat  | Other neonatal disorders                                 | NN  | 365.9 (162.6, 679.5)       | 0.0103459 (0.0045971, 0.0192113) | 0.07757 (0.05213, 0.11267) | 242.1 (106.2, 463.3)       | 0.0071583 (0.0031401, 0.0136964) | 0.066 (0.04158, 0.09641)   |
| Jawa Barat  | Other communicable diseases                              | NN  | 71.4 (31.2, 132.6)         | 0.002018 (0.0008833, 0.0037489)  | 0.05104 (0.02105, 0.02144) | 45.0 (19.5, 85.7)          | 0.0013289 (0.0005775, 0.0025345) | 0.01217 (0.00797, 0.01770) |
| Jawa Barat  | Other malignant neoplasms                                | NN  | 26.0 (11.2, 49.5)          | 0.0007339 (0.0003165, 0.0013995) | 0.00552 (0.00334, 0.00855) | 21.5 (8.9, 41.4)           | 0.0006366 (0.0002630, 0.0012253) | 0.00586 (0.00344, 0.00925) |
| Jawa Barat  | Cerebrovascular disease                                  | NN  | 9.8 (2.3, 24.7)            | 0.0002767 (0.0000661, 0.0006987) | 0.00206 (0.00071, 0.00455) | 10.7 (2.8, 29.2)           | 0.0003148 (0.0000833, 0.0008637) | 0.00286 (0.00099, 0.00624) |
| Jawa Barat  | Other cardiovascular and circulatory diseases            | NN  | 9.9 (2.4, 26.3)            | 0.0002812 (0.0000684, 0.0007426) | 0.00211 (0.00067, 0.00494) | 10.1 (2.6, 27.9)           | 0.0002998 (0.0000770, 0.0008247) | 0.00274 (0.00089, 0.00632) |
| Jawa Barat  | Diabetes mellitus                                        | NN  | 1.9 (0.0, 14.5)            | 0.0000538 (0.0000003, 0.0004102) | 0.00043 (0.00000, 0.00321) | 2.8 (0.0, 22.3)            | 0.0000833 (0.0000005, 0.0006589) | 0.00076 (0.00000, 0.00552) |
| Jawa Barat  | Other non-communicable diseases                          | NN  | 635.6 (322.8, 1,003.0)     | 0.0179708 (0.0091268, 0.0283585) | 0.13447 (0.12072, 0.14823) | 596.2 (312.7, 989.1)       | 0.0176258 (0.0092448, 0.0292397) | 0.16213 (0.14545, 0.17879) |
| Jawa Barat  | Drowning                                                 | NN  | 34.8 (13.2, 71.6)          | 0.0009846 (0.0003729, 0.0020232) | 0.00737 (0.00406, 0.01230) | 9.5 (3.4, 21.4)            | 0.0002816 (0.0001016, 0.0006314) | 0.00257 (0.00132, 0.00446) |
| Jawa Barat  | Falls                                                    | NN  | 18.4 (6.8, 36.4)           | 0.0005208 (0.0001924, 0.0010293) | 0.00392 (0.00208, 0.00678) | 6.8 (2.5, 14.8)            | 0.0002021 (0.0000740, 0.0004378) | 0.00186 (0.00095, 0.00329) |
| Jawa Barat  | Interpersonal violence                                   | NN  | 4.1 (1.1, 10.5)            | 0.0001157 (0.0000325, 0.0002966) | 0.00087 (0.00032, 0.00187) | 2.5 (0.7, 6.5)             | 0.0000734 (0.0000208, 0.0001910) | 0.00068 (0.00024, 0.00149) |
| Jawa Barat  | Transport injuries                                       | NN  | 34.0 (12.8, 67.3)          | 0.0009622 (0.0003631, 0.0019033) | 0.00722 (0.00412, 0.01169) | 9.2 (3.7, 18.2)            | 0.0002706 (0.0001082, 0.0005382) | 0.0025 (0.00134, 0.00402)  |
| Jawa Barat  | Other unintentional injuries                             | NN  | 52.0 (20.6, 97.3)          | 0.0014704 (0.0005832, 0.0027504) | 0.01101 (0.00677, 0.01660) | 18.1 (7.6, 35.9)           | 0.000536 (0.0002261, 0.0010619)  | 0.00496 (0.00300, 0.00751) |
| Jawa Barat  | Diarrheal diseases                                       | PNN | 792.2 (386.7, 1,340.6)     | 0.0017946 (0.0008759, 0.0030369) | 0.21156 (0.17663, 0.25357) | 844.1 (422.6, 1,442.2)     | 0.0019994 (0.0010009, 0.0034159) | 0.26415 (0.22439, 0.30651) |
| Jawa Barat  | HIV/AIDS                                                 | PNN | 38.0 (13.7, 80.6)          | 0.000086 (0.0000311, 0.0001825)  | 0.01013 (0.00490, 0.01816) | 27.6 (9.4, 62.5)           | 0.0000654 (0.0000223, 0.0001481) | 0.00863 (0.00389, 0.01623) |



Aim 2 Supplementary Tables

| Location   | Cause group                                              | Age | Males                    |                                  |                            | Females                |                                  |                            |
|------------|----------------------------------------------------------|-----|--------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|            |                                                          |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Lower respiratory infections                             | PNN | 641.2 (325.3, 1,051.7)   | 0.0014526 (0.0007370, 0.0023824) | 0.1715 (0.14539, 0.20010)  | 466.3 (230.5, 809.5)   | 0.0011045 (0.0005459, 0.0019174) | 0.14597 (0.12142, 0.17345) |
| Jawa Barat | Malaria                                                  | PNN | 3.2 (0.7, 10.4)          | 0.0000073 (0.0000015, 0.0000236) | 0.00087 (0.00020, 0.00254) | 2.4 (0.5, 7.8)         | 0.0000058 (0.0000012, 0.0000186) | 0.00076 (0.00019, 0.00233) |
| Jawa Barat | Tuberculosis                                             | PNN | 169.0 (80.4, 293.7)      | 0.0003827 (0.0001821, 0.0006653) | 0.04516 (0.03241, 0.05964) | 127.1 (60.0, 221.1)    | 0.0003011 (0.0001421, 0.0005236) | 0.03986 (0.02710, 0.05429) |
| Jawa Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 63.0 (19.4, 153.0)       | 0.0001427 (0.0000439, 0.0003466) | 0.01692 (0.00649, 0.03815) | 48.4 (14.3, 128.6)     | 0.0001146 (0.0000339, 0.0003046) | 0.01515 (0.00559, 0.03457) |
| Jawa Barat | Preterm birth complications                              | PNN | 130.6 (49.0, 255.3)      | 0.0002958 (0.0001111, 0.0005783) | 0.03486 (0.01907, 0.05718) | 149.8 (58.8, 308.5)    | 0.0003549 (0.0001392, 0.0007308) | 0.04697 (0.02533, 0.07435) |
| Jawa Barat | Other neonatal disorders                                 | PNN | 48.5 (15.1, 116.8)       | 0.0001098 (0.0000342, 0.0002646) | 0.01293 (0.00488, 0.02622) | 36.3 (10.4, 89.6)      | 0.0000859 (0.0000247, 0.0002122) | 0.0114 (0.00407, 0.02458)  |
| Jawa Barat | Other communicable diseases                              | PNN | 1,183.5 (604.0, 1,960.1) | 0.0026809 (0.0013682, 0.0044402) | 0.31638 (0.27627, 0.35755) | 885.0 (442.1, 1,463.9) | 0.0020962 (0.0010472, 0.0034672) | 0.27701 (0.23569, 0.32142) |
| Jawa Barat | Other malignant neoplasms                                | PNN | 19.8 (8.6, 37.3)         | 0.0000448 (0.0000195, 0.0000845) | 0.00529 (0.00323, 0.00819) | 18.0 (7.4, 35.6)       | 0.0000427 (0.0000174, 0.0000842) | 0.00564 (0.00333, 0.00893) |
| Jawa Barat | Cerebrovascular disease                                  | PNN | 7.4 (2.0, 18.6)          | 0.0000168 (0.0000046, 0.0000422) | 0.00197 (0.00067, 0.00433) | 8.8 (2.6, 22.2)        | 0.0000208 (0.0000063, 0.0000527) | 0.00274 (0.00094, 0.00593) |
| Jawa Barat | Ischemic heart disease                                   | PNN | 6.1 (0.4, 28.7)          | 0.0000139 (0.0000010, 0.0000649) | 0.0016 (0.00014, 0.00729)  | 7.2 (0.5, 34.6)        | 0.0000172 (0.0000012, 0.0000819) | 0.00226 (0.00019, 0.01038) |
| Jawa Barat | Other cardiovascular and circulatory diseases            | PNN | 7.5 (2.0, 19.3)          | 0.000017 (0.0000046, 0.0000437)  | 0.00201 (0.00063, 0.00473) | 8.3 (2.1, 21.0)        | 0.0000197 (0.0000050, 0.0000497) | 0.00262 (0.00084, 0.00600) |
| Jawa Barat | Diabetes mellitus                                        | PNN | 1.5 (0.0, 12.2)          | 0.0000034 (0.0000000, 0.0000276) | 0.00041 (0.00000, 0.00314) | 2.4 (0.0, 19.8)        | 0.0000056 (0.0000000, 0.0000469) | 0.00073 (0.00000, 0.00533) |
| Jawa Barat | Chronic kidney disease                                   | PNN | 25.3 (9.8, 51.3)         | 0.0000574 (0.0000221, 0.0001162) | 0.00678 (0.00358, 0.01193) | 25.2 (9.5, 50.7)       | 0.0000596 (0.0000226, 0.0001200) | 0.00789 (0.00412, 0.01376) |
| Jawa Barat | Other non-communicable diseases                          | PNN | 477.0 (239.9, 785.5)     | 0.0010805 (0.0005434, 0.0017793) | 0.12749 (0.11376, 0.14198) | 492.1 (253.7, 836.6)   | 0.0011656 (0.0006008, 0.0019815) | 0.15403 (0.13678, 0.17177) |
| Jawa Barat | Drowning                                                 | PNN | 31.9 (13.2, 62.2)        | 0.0000723 (0.0000298, 0.0001408) | 0.00853 (0.00489, 0.01394) | 9.6 (3.6, 19.6)        | 0.0000227 (0.0000085, 0.0000465) | 0.00301 (0.00161, 0.00507) |
| Jawa Barat | Falls                                                    | PNN | 16.2 (6.6, 31.2)         | 0.0000367 (0.0000149, 0.0000706) | 0.00436 (0.00241, 0.00730) | 6.6 (2.5, 13.2)        | 0.0000157 (0.0000059, 0.0000312) | 0.00209 (0.00109, 0.00365) |
| Jawa Barat | Interpersonal violence                                   | PNN | 3.5 (1.1, 8.7)           | 0.000008 (0.0000025, 0.0000197)  | 0.00094 (0.00036, 0.00200) | 2.4 (0.7, 5.4)         | 0.0000056 (0.0000018, 0.0000128) | 0.00074 (0.00027, 0.00159) |
| Jawa Barat | Transport injuries                                       | PNN | 30.8 (13.1, 57.0)        | 0.0000697 (0.0000298, 0.0001292) | 0.00825 (0.00494, 0.01279) | 9.2 (3.8, 18.1)        | 0.0000218 (0.0000090, 0.0000429) | 0.00289 (0.00162, 0.00444) |
| Jawa Barat | Other unintentional injuries                             | PNN | 45.0 (19.8, 81.4)        | 0.000102 (0.0000448, 0.0001843)  | 0.01204 (0.00767, 0.01735) | 17.4 (7.5, 32.8)       | 0.0000412 (0.0000177, 0.0000778) | 0.00546 (0.00345, 0.00798) |
| Jawa Barat | Diarrheal diseases                                       | 1   | 184.5 (77.6, 368.0)      | 0.0000994 (0.0000418, 0.0001984) | 0.10998 (0.08524, 0.14306) | 176.9 (81.1, 336.7)    | 0.0000991 (0.0000454, 0.0001888) | 0.14849 (0.11759, 0.18693) |
| Jawa Barat | HIV/AIDS                                                 | 1   | 21.1 (6.8, 49.9)         | 0.0000113 (0.0000037, 0.0000269) | 0.01257 (0.00624, 0.02217) | 14.0 (4.8, 32.9)       | 0.0000078 (0.0000027, 0.0000184) | 0.01174 (0.00522, 0.02113) |
| Jawa Barat | Lower respiratory infections                             | 1   | 348.5 (153.9, 694.5)     | 0.0001878 (0.0000829, 0.0003743) | 0.2078 (0.17765, 0.23868)  | 231.5 (110.3, 432.1)   | 0.0001298 (0.0000618, 0.0002422) | 0.19456 (0.16306, 0.22809) |
| Jawa Barat | Malaria                                                  | 1   | 0.6 (0.1, 2.1)           | 0.0000003 (0.0000001, 0.0000011) | 0.00036 (0.00008, 0.00104) | 0.4 (0.1, 1.3)         | 0.0000002 (0.0000000, 0.0000007) | 0.00035 (0.00009, 0.00106) |
| Jawa Barat | Tuberculosis                                             | 1   | 99.3 (40.8, 204.6)       | 0.0000535 (0.0000220, 0.0001103) | 0.05911 (0.04320, 0.07777) | 68.5 (29.7, 141.7)     | 0.0000384 (0.0000167, 0.0000794) | 0.05739 (0.03929, 0.07771) |
| Jawa Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 17.7 (4.8, 46.8)         | 0.0000096 (0.0000026, 0.0000252) | 0.01062 (0.00382, 0.02355) | 11.7 (2.8, 30.2)       | 0.0000065 (0.0000016, 0.0000169) | 0.00984 (0.00332, 0.02192) |
| Jawa Barat | Preterm birth complications                              | 1   | 7.2 (1.4, 23.0)          | 0.0000039 (0.0000008, 0.0000124) | 0.00427 (0.00105, 0.01236) | 7.2 (1.3, 23.5)        | 0.000004 (0.0000007, 0.0000132)  | 0.00598 (0.00146, 0.01725) |
| Jawa Barat | Other neonatal disorders                                 | 1   | 2.1 (0.0, 15.8)          | 0.0000011 (0.0000000, 0.0000085) | 0.00127 (0.00001, 0.00906) | 1.3 (0.0, 9.9)         | 0.0000007 (0.0000000, 0.0000056) | 0.00113 (0.00001, 0.00850) |
| Jawa Barat | Other communicable diseases                              | 1   | 583.2 (260.7, 1,101.2)   | 0.0003144 (0.0001405, 0.0005936) | 0.34734 (0.30342, 0.38977) | 401.5 (185.9, 766.3)   | 0.0002251 (0.0001042, 0.0004296) | 0.33685 (0.28899, 0.38315) |
| Jawa Barat | Other malignant neoplasms                                | 1   | 7.7 (2.9, 16.6)          | 0.0000042 (0.0000016, 0.0000090) | 0.00461 (0.00278, 0.00719) | 6.7 (2.7, 14.5)        | 0.0000038 (0.0000015, 0.0000081) | 0.00566 (0.00331, 0.00909) |
| Jawa Barat | Cerebrovascular disease                                  | 1   | 3.1 (0.8, 8.3)           | 0.0000017 (0.0000004, 0.0000045) | 0.00188 (0.00063, 0.00419) | 3.5 (0.9, 8.9)         | 0.000002 (0.0000005, 0.0000050)  | 0.00299 (0.00101, 0.00658) |
| Jawa Barat | Ischemic heart disease                                   | 1   | 2.6 (0.2, 12.0)          | 0.0000014 (0.0000001, 0.0000064) | 0.00155 (0.00013, 0.00714) | 2.9 (0.2, 13.1)        | 0.0000016 (0.0000001, 0.0000074) | 0.0025 (0.00021, 0.01139)  |
| Jawa Barat | Other cardiovascular and circulatory diseases            | 1   | 3.0 (0.7, 7.8)           | 0.0000016 (0.0000004, 0.0000042) | 0.00179 (0.00055, 0.00406) | 3.2 (0.8, 8.4)         | 0.0000018 (0.0000004, 0.0000047) | 0.00268 (0.00084, 0.00630) |
| Jawa Barat | Diabetes mellitus                                        | 1   | 0.6 (0.0, 4.7)           | 0.0000003 (0.0000000, 0.0000025) | 0.00036 (0.00000, 0.00283) | 0.9 (0.0, 7.0)         | 0.0000005 (0.0000000, 0.0000039) | 0.00074 (0.00000, 0.00554) |
| Jawa Barat | Chronic kidney disease                                   | 1   | 9.6 (3.2, 22.0)          | 0.0000052 (0.0000017, 0.0000119) | 0.00572 (0.00297, 0.01003) | 9.1 (3.3, 20.0)        | 0.0000051 (0.0000018, 0.0000112) | 0.00765 (0.00404, 0.01311) |
| Jawa Barat | Cirrhosis                                                | 1   | 14.9 (4.3, 35.1)         | 0.0000081 (0.0000023, 0.0000189) | 0.00887 (0.00394, 0.01678) | 7.3 (2.2, 16.8)        | 0.0000041 (0.0000012, 0.0000094) | 0.00612 (0.00264, 0.01212) |
| Jawa Barat | Chronic respiratory diseases                             | 1   | 28.2 (10.2, 62.3)        | 0.0000152 (0.0000055, 0.0000336) | 0.01688 (0.00862, 0.02834) | 10.5 (3.6, 23.2)       | 0.0000059 (0.0000020, 0.0000130) | 0.00889 (0.00421, 0.01643) |
| Jawa Barat | Other non-communicable diseases                          | 1   | 186.4 (80.6, 355.7)      | 0.0001005 (0.0000434, 0.0001917) | 0.11109 (0.09348, 0.12954) | 184.0 (86.7, 345.5)    | 0.0001031 (0.0000486, 0.0001937) | 0.1543 (0.13219, 0.17587)  |
| Jawa Barat | Drowning                                                 | 1   | 50.7 (20.9, 108.4)       | 0.0000273 (0.0000113, 0.0000584) | 0.03025 (0.01833, 0.04501) | 14.2 (5.8, 30.7)       | 0.0000079 (0.0000033, 0.0000172) | 0.0119 (0.00691, 0.01906)  |
| Jawa Barat | Falls                                                    | 1   | 17.9 (6.7, 39.2)         | 0.0000096 (0.0000036, 0.0000211) | 0.01067 (0.00588, 0.01759) | 6.8 (2.4, 14.6)        | 0.0000038 (0.0000014, 0.0000082) | 0.00568 (0.00296, 0.00952) |
| Jawa Barat | Interpersonal violence                                   | 1   | 3.2 (0.9, 7.8)           | 0.0000017 (0.0000005, 0.0000042) | 0.0019 (0.00083, 0.00408)  | 2.0 (0.6, 4.9)         | 0.0000011 (0.0000003, 0.0000028) | 0.00166 (0.00067, 0.00354) |
| Jawa Barat | Transport injuries                                       | 1   | 43.1 (17.3, 88.1)        | 0.0000232 (0.0000093, 0.0000475) | 0.02583 (0.01633, 0.03723) | 12.0 (4.8, 25.0)       | 0.0000067 (0.0000027, 0.0000140) | 0.01011 (0.00599, 0.01543) |
| Jawa Barat | Other unintentional injuries                             | 1   | 42.4 (17.6, 91.5)        | 0.0000228 (0.0000095, 0.0000493) | 0.02529 (0.01690, 0.03644) | 15.2 (6.4, 33.3)       | 0.0000085 (0.0000036, 0.0000186) | 0.01279 (0.00800, 0.01874) |
| Jawa Barat | Diarrheal diseases                                       | 5   | 156.7 (104.8, 219.0)     | 0.000067 (0.0000448, 0.0000936)  | 0.08316 (0.06189, 0.10682) | 144.7 (101.4, 190.7)   | 0.0000656 (0.0000460, 0.0000865) | 0.11982 (0.09084, 0.14990) |
| Jawa Barat | HIV/AIDS                                                 | 5   | 13.2 (4.0, 32.6)         | 0.0000056 (0.0000017, 0.0000139) | 0.00701 (0.00213, 0.01646) | 8.2 (2.5, 19.4)        | 0.0000037 (0.0000012, 0.0000088) | 0.00683 (0.00215, 0.01539) |
| Jawa Barat | Lower respiratory infections                             | 5   | 197.5 (134.8, 271.8)     | 0.0000844 (0.0000577, 0.0001162) | 0.10465 (0.08022, 0.13033) | 124.5 (86.7, 167.0)    | 0.0000565 (0.0000393, 0.0000757) | 0.10305 (0.07775, 0.13087) |
| Jawa Barat | Malaria                                                  | 5   | 0.5 (0.1, 1.4)           | 0.0000002 (0.0000000, 0.0000006) | 0.00027 (0.00006, 0.00072) | 0.3 (0.1, 1.0)         | 0.0000002 (0.0000000, 0.0000005) | 0.00028 (0.00007, 0.00080) |
| Jawa Barat | Tuberculosis                                             | 5   | 80.5 (51.9, 118.9)       | 0.0000344 (0.0000222, 0.0000508) | 0.04267 (0.03067, 0.05787) | 52.6 (35.9, 75.2)      | 0.0000239 (0.0000163, 0.0000341) | 0.04355 (0.03060, 0.05913) |
| Jawa Barat | Other communicable diseases                              | 5   | 491.0 (367.9, 645.0)     | 0.0002099 (0.0001573, 0.0002757) | 0.26035 (0.22328, 0.29789) | 325.0 (250.9, 415.1)   | 0.0001474 (0.0001138, 0.0001882) | 0.26894 (0.22917, 0.30952) |
| Jawa Barat | Other malignant neoplasms                                | 5   | 59.9 (37.3, 92.3)        | 0.0000256 (0.0000159, 0.0000395) | 0.03177 (0.02108, 0.04660) | 50.7 (31.9, 75.7)      | 0.000023 (0.0000144, 0.0000343)  | 0.04196 (0.02831, 0.05947) |
| Jawa Barat | Cerebrovascular disease                                  | 5   | 15.9 (7.6, 29.2)         | 0.0000068 (0.0000033, 0.0000125) | 0.00845 (0.00424, 0.01502) | 17.3 (8.8, 28.7)       | 0.0000078 (0.0000040, 0.0000130) | 0.01431 (0.00740, 0.02361) |
| Jawa Barat | Ischemic heart disease                                   | 5   | 15.0 (5.7, 30.0)         | 0.0000064 (0.0000025, 0.0000128) | 0.00793 (0.00327, 0.01566) | 16.4 (6.6, 30.2)       | 0.0000075 (0.0000030, 0.0000137) | 0.0136 (0.00569, 0.02470)  |
| Jawa Barat | Other cardiovascular and circulatory diseases            | 5   | 16.9 (7.7, 33.8)         | 0.0000072 (0.0000033, 0.0000145) | 0.00898 (0.00421, 0.01746) | 17.0 (8.2, 31.6)       | 0.0000077 (0.0000037, 0.0000143) | 0.01411 (0.00708, 0.02630) |
| Jawa Barat | Diabetes mellitus                                        | 5   | 9.1 (3.6, 20.3)          | 0.0000039 (0.0000015, 0.0000087) | 0.00483 (0.00194, 0.01054) | 12.9 (5.2, 27.4)       | 0.0000059 (0.0000024, 0.0000124) | 0.01072 (0.00452, 0.02241) |
| Jawa Barat | Chronic kidney disease                                   | 5   | 25.4 (12.8, 45.9)        | 0.0000109 (0.0000055, 0.0000196) | 0.01344 (0.00713, 0.02268) | 23.4 (12.7, 40.4)      | 0.0000106 (0.0000058, 0.0000183) | 0.01936 (0.01087, 0.03241) |
| Jawa Barat | Cirrhosis                                                | 5   | 49.7 (27.9, 79.0)        | 0.0000213 (0.0000119, 0.0000338) | 0.02643 (0.01585, 0.04029) | 24.0 (13.5, 37.5)      | 0.0000109 (0.0000061, 0.0000170) | 0.01985 (0.01160, 0.03059) |
| Jawa Barat | Chronic respiratory diseases                             | 5   | 28.3 (14.7, 48.4)        | 0.0000121 (0.0000063, 0.0000207) | 0.01501 (0.00834, 0.02489) | 10.1 (5.0, 17.3)       | 0.0000046 (0.0000023, 0.0000079) | 0.00836 (0.00435, 0.01431) |
| Jawa Barat | Other non-communicable diseases                          | 5   | 205.3 (145.5, 275.7)     | 0.0000877 (0.0000622, 0.0001179) | 0.10885 (0.08655, 0.13363) | 195.6 (149.1, 252.6)   | 0.0000887 (0.0000676, 0.0001145) | 0.16189 (0.13055, 0.19495) |
| Jawa Barat | Drowning                                                 | 5   | 234.6 (155.9, 324.5)     | 0.0001003 (0.0000666, 0.0001387) | 0.12447 (0.09145, 0.16019) | 80.0 (53.1, 114.9)     | 0.0000363 (0.0000241, 0.0000521) | 0.06624 (0.04519, 0.08972) |
| Jawa Barat | Falls                                                    | 5   | 40.8 (22.7, 67.3)        | 0.0000174 (0.0000097, 0.0000288) | 0.02166 (0.01280, 0.03461) | 17.8 (10.4, 27.9)      | 0.0000081 (0.0000047, 0.0000127) | 0.01471 (0.00911, 0.02254) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Interpersonal violence                        | 5   | 3.3 (1.2, 7.2)       | 0.000014 (0.0000005, 0.0000031)  | 0.00173 (0.00069, 0.00394) | 2.3 (1.0, 4.8)       | 0.000011 (0.0000004, 0.0000022)  | 0.00193 (0.00081, 0.00405) |
| Jawa Barat | Transport injuries                            | 5   | 191.5 (126.8, 273.5) | 0.0000819 (0.0000542, 0.0001169) | 0.10158 (0.07350, 0.13282) | 64.2 (41.7, 93.6)    | 0.0000291 (0.0000189, 0.0000425) | 0.05317 (0.03605, 0.07374) |
| Jawa Barat | Other unintentional injuries                  | 5   | 50.4 (30.6, 79.9)    | 0.0000216 (0.0000131, 0.0000341) | 0.02675 (0.01753, 0.03975) | 20.9 (13.1, 32.5)    | 0.0000095 (0.0000059, 0.0000147) | 0.01734 (0.01125, 0.02617) |
| Jawa Barat | Diarrheal diseases                            | 10  | 75.5 (51.1, 105.9)   | 0.0000331 (0.0000224, 0.0000465) | 0.04185 (0.02889, 0.05870) | 65.3 (44.2, 92.6)    | 0.0000299 (0.0000203, 0.0000424) | 0.06058 (0.04239, 0.08308) |
| Jawa Barat | HIV/AIDS                                      | 10  | 11.2 (4.9, 22.6)     | 0.0000049 (0.0000022, 0.0000099) | 0.00623 (0.00272, 0.01237) | 6.6 (2.9, 13.7)      | 0.000003 (0.0000013, 0.0000063)  | 0.00614 (0.00266, 0.01286) |
| Jawa Barat | Lower respiratory infections                  | 10  | 108.9 (79.1, 149.4)  | 0.0000478 (0.0000347, 0.0000656) | 0.06033 (0.04485, 0.07799) | 62.0 (45.0, 84.2)    | 0.0000284 (0.0000207, 0.0000386) | 0.0575 (0.04248, 0.07577)  |
| Jawa Barat | Malaria                                       | 10  | 1.0 (0.3, 2.6)       | 0.0000005 (0.0000001, 0.0000012) | 0.00058 (0.00018, 0.00143) | 0.7 (0.2, 1.7)       | 0.0000003 (0.0000001, 0.0000008) | 0.00061 (0.00017, 0.00156) |
| Jawa Barat | Tuberculosis                                  | 10  | 162.9 (123.1, 212.9) | 0.0000715 (0.0000540, 0.0000934) | 0.09026 (0.07048, 0.11386) | 101.6 (77.2, 130.8)  | 0.0000466 (0.0000354, 0.0000600) | 0.09429 (0.07434, 0.11757) |
| Jawa Barat | Maternal disorders                            | 10  |                      |                                  |                            | 5.4 (1.0, 14.3)      | 0.0000025 (0.0000005, 0.0000065) | 0.00504 (0.00092, 0.01304) |
| Jawa Barat | Other communicable diseases                   | 10  | 361.3 (287.8, 440.5) | 0.0001586 (0.0001263, 0.0001933) | 0.20017 (0.16914, 0.23081) | 216.9 (170.3, 267.2) | 0.0000994 (0.0000781, 0.0001225) | 0.20115 (0.16923, 0.23434) |
| Jawa Barat | Other malignant neoplasms                     | 10  | 88.2 (65.1, 115.5)   | 0.0000387 (0.0000286, 0.0000507) | 0.04887 (0.03797, 0.06289) | 72.8 (53.5, 93.3)    | 0.0000334 (0.0000245, 0.0000428) | 0.06751 (0.05187, 0.08407) |
| Jawa Barat | Cerebrovascular disease                       | 10  | 25.5 (15.7, 39.3)    | 0.0000112 (0.0000069, 0.0000173) | 0.01414 (0.00891, 0.02109) | 25.1 (15.6, 37.3)    | 0.0000115 (0.0000072, 0.0000171) | 0.0233 (0.01466, 0.03361)  |
| Jawa Barat | Ischemic heart disease                        | 10  | 36.0 (22.3, 54.1)    | 0.0000158 (0.0000098, 0.0000238) | 0.01996 (0.01282, 0.02929) | 36.0 (23.0, 52.3)    | 0.0000165 (0.0000106, 0.0000240) | 0.03342 (0.02200, 0.04791) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 10  | 24.9 (14.6, 40.8)    | 0.0000109 (0.0000064, 0.0000179) | 0.0138 (0.00813, 0.02197)  | 23.5 (14.0, 37.0)    | 0.0000108 (0.0000064, 0.0000170) | 0.02178 (0.01341, 0.03371) |
| Jawa Barat | Diabetes mellitus                             | 10  | 13.1 (7.3, 21.7)     | 0.0000058 (0.0000032, 0.0000095) | 0.00728 (0.00408, 0.01213) | 17.8 (10.1, 28.8)    | 0.0000081 (0.0000046, 0.0000132) | 0.01649 (0.00949, 0.02611) |
| Jawa Barat | Chronic kidney disease                        | 10  | 36.2 (23.7, 52.6)    | 0.0000159 (0.0000104, 0.0000231) | 0.02006 (0.01351, 0.02889) | 32.1 (21.5, 45.8)    | 0.0000147 (0.0000099, 0.0000210) | 0.02975 (0.02052, 0.04119) |
| Jawa Barat | Cirrhosis                                     | 10  | 57.6 (40.7, 79.2)    | 0.0000253 (0.0000179, 0.0000347) | 0.03191 (0.02299, 0.04332) | 25.6 (17.3, 35.8)    | 0.0000117 (0.0000079, 0.0000164) | 0.02376 (0.01648, 0.03307) |
| Jawa Barat | Chronic respiratory diseases                  | 10  | 48.7 (31.8, 71.0)    | 0.0000214 (0.0000140, 0.0000312) | 0.02698 (0.01788, 0.03804) | 17.2 (10.7, 27.9)    | 0.0000079 (0.0000049, 0.0000128) | 0.01597 (0.01017, 0.02397) |
| Jawa Barat | Other non-communicable diseases               | 10  | 234.5 (189.1, 284.7) | 0.0001029 (0.0000830, 0.0001250) | 0.12994 (0.11012, 0.15046) | 204.5 (166.9, 248.2) | 0.0000938 (0.0000765, 0.0001138) | 0.18971 (0.16436, 0.21761) |
| Jawa Barat | Drowning                                      | 10  | 118.3 (78.9, 165.3)  | 0.0000519 (0.0000346, 0.0000726) | 0.06561 (0.04466, 0.09040) | 32.2 (19.5, 48.9)    | 0.0000148 (0.0000089, 0.0000224) | 0.02991 (0.01845, 0.04491) |
| Jawa Barat | Falls                                         | 10  | 35.9 (20.2, 57.8)    | 0.0000158 (0.0000089, 0.0000254) | 0.01993 (0.01173, 0.03327) | 13.2 (7.5, 22.0)     | 0.000006 (0.0000035, 0.0000101)  | 0.01224 (0.00711, 0.02026) |
| Jawa Barat | Interpersonal violence                        | 10  | 5.2 (2.6, 10.1)      | 0.0000023 (0.0000012, 0.0000044) | 0.0029 (0.00145, 0.00547)  | 3.4 (1.7, 6.4)       | 0.0000016 (0.0000008, 0.0000029) | 0.00318 (0.00163, 0.00569) |
| Jawa Barat | Self-harm                                     | 10  | 16.6 (7.6, 31.7)     | 0.0000073 (0.0000033, 0.0000139) | 0.00923 (0.00432, 0.01742) | 9.4 (4.5, 16.5)      | 0.0000043 (0.0000021, 0.0000076) | 0.00871 (0.00416, 0.01503) |
| Jawa Barat | Transport injuries                            | 10  | 292.0 (223.8, 361.8) | 0.0001282 (0.0000982, 0.0001588) | 0.16184 (0.13051, 0.19344) | 88.1 (63.9, 116.8)   | 0.0000044 (0.0000293, 0.0000535) | 0.08171 (0.06193, 0.10444) |
| Jawa Barat | Other unintentional injuries                  | 10  | 50.7 (34.7, 72.8)    | 0.0000223 (0.0000152, 0.0000320) | 0.02811 (0.01975, 0.03918) | 18.6 (12.2, 26.7)    | 0.0000085 (0.0000056, 0.0000122) | 0.01724 (0.01176, 0.02444) |
| Jawa Barat | Diarrheal diseases                            | 15  | 41.7 (24.4, 65.0)    | 0.0000198 (0.0000116, 0.0000309) | 0.01886 (0.01149, 0.02777) | 33.9 (20.5, 50.5)    | 0.0000167 (0.0000101, 0.0000249) | 0.02466 (0.01500, 0.03603) |
| Jawa Barat | HIV/AIDS                                      | 15  | 8.8 (3.6, 19.0)      | 0.0000042 (0.0000017, 0.0000090) | 0.00399 (0.00162, 0.00852) | 4.9 (1.8, 11.4)      | 0.0000024 (0.0000009, 0.0000056) | 0.0036 (0.00138, 0.00800)  |
| Jawa Barat | Lower respiratory infections                  | 15  | 45.8 (32.5, 62.7)    | 0.0000218 (0.0000155, 0.0000299) | 0.02073 (0.01543, 0.02791) | 22.9 (15.6, 33.2)    | 0.0000113 (0.0000077, 0.0000164) | 0.01666 (0.01191, 0.02344) |
| Jawa Barat | Malaria                                       | 15  | 2.4 (0.8, 6.2)       | 0.0000011 (0.0000004, 0.0000029) | 0.00109 (0.00036, 0.00265) | 1.4 (0.4, 3.7)       | 0.0000007 (0.0000002, 0.0000018) | 0.00105 (0.00033, 0.00263) |
| Jawa Barat | Tuberculosis                                  | 15  | 238.5 (183.8, 299.3) | 0.0001135 (0.0000875, 0.0001425) | 0.10792 (0.08950, 0.12678) | 128.9 (99.4, 164.1)  | 0.0000636 (0.0000491, 0.0000810) | 0.09381 (0.07544, 0.11398) |
| Jawa Barat | Maternal disorders                            | 15  |                      |                                  |                            | 65.0 (41.8, 97.2)    | 0.0000321 (0.0000206, 0.0000480) | 0.04731 (0.03144, 0.06945) |
| Jawa Barat | Other communicable diseases                   | 15  | 252.6 (198.9, 316.3) | 0.0001202 (0.0000947, 0.0001505) | 0.11437 (0.09399, 0.13502) | 140.0 (105.7, 176.2) | 0.0000691 (0.0000521, 0.0000869) | 0.10189 (0.08147, 0.12405) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 15  | 10.6 (4.3, 20.2)     | 0.000005 (0.0000021, 0.0000096)  | 0.0048 (0.00201, 0.00905)  | 3.5 (1.2, 7.7)       | 0.0000017 (0.0000006, 0.0000038) | 0.00257 (0.00093, 0.00543) |
| Jawa Barat | Breast cancer                                 | 15  | 0.3 (0.0, 1.2)       | 0.0000002 (0.0000000, 0.0000006) | 0.00015 (0.00002, 0.00055) | 8.3 (2.6, 18.2)      | 0.0000041 (0.0000013, 0.0000090) | 0.00606 (0.00203, 0.01287) |
| Jawa Barat | Cervical cancer                               | 15  |                      |                                  |                            | 10.3 (3.7, 22.5)     | 0.0000051 (0.0000018, 0.0000111) | 0.00752 (0.00272, 0.01622) |
| Jawa Barat | Other malignant neoplasms                     | 15  | 91.3 (67.9, 119.2)   | 0.0000034 (0.0000323, 0.0000567) | 0.04132 (0.03247, 0.05204) | 93.9 (68.4, 121.6)   | 0.0000046 (0.0000337, 0.0000600) | 0.06836 (0.05249, 0.08604) |
| Jawa Barat | Cerebrovascular disease                       | 15  | 41.0 (25.5, 61.6)    | 0.0000195 (0.0000121, 0.0000293) | 0.01855 (0.01199, 0.02703) | 40.4 (24.7, 59.7)    | 0.0000199 (0.0000122, 0.0000295) | 0.0294 (0.01870, 0.04265)  |
| Jawa Barat | Ischemic heart disease                        | 15  | 96.8 (68.5, 132.1)   | 0.0000461 (0.0000326, 0.0000629) | 0.04382 (0.03255, 0.05707) | 83.1 (60.2, 111.5)   | 0.000041 (0.0000297, 0.0000550)  | 0.06054 (0.04488, 0.07991) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 15  | 33.1 (18.7, 51.4)    | 0.0000157 (0.0000089, 0.0000245) | 0.01496 (0.00898, 0.02297) | 34.6 (19.2, 54.3)    | 0.0000171 (0.0000095, 0.0000268) | 0.0252 (0.01418, 0.03902)  |
| Jawa Barat | Diabetes mellitus                             | 15  | 18.7 (10.5, 30.6)    | 0.0000089 (0.0000050, 0.0000146) | 0.00847 (0.00494, 0.01316) | 28.3 (16.0, 45.9)    | 0.0000014 (0.0000079, 0.0000227) | 0.02063 (0.01207, 0.03343) |
| Jawa Barat | Chronic kidney disease                        | 15  | 46.9 (31.0, 68.6)    | 0.0000223 (0.0000148, 0.0000327) | 0.02125 (0.01459, 0.03065) | 46.8 (30.0, 70.4)    | 0.0000231 (0.0000148, 0.0000347) | 0.03403 (0.02326, 0.04899) |
| Jawa Barat | Cirrhosis                                     | 15  | 64.4 (43.4, 94.5)    | 0.0000306 (0.0000206, 0.0000450) | 0.02917 (0.02061, 0.04094) | 32.0 (20.9, 45.9)    | 0.0000158 (0.0000103, 0.0000227) | 0.02333 (0.01584, 0.03335) |
| Jawa Barat | Chronic respiratory diseases                  | 15  | 34.3 (21.9, 50.6)    | 0.0000163 (0.0000104, 0.0000241) | 0.01552 (0.01041, 0.02222) | 16.2 (9.3, 25.9)     | 0.000008 (0.0000046, 0.0000128)  | 0.01181 (0.00716, 0.01832) |
| Jawa Barat | Other non-communicable diseases               | 15  | 239.8 (187.8, 300.2) | 0.0001141 (0.0000894, 0.0001429) | 0.10854 (0.09121, 0.12698) | 219.5 (174.2, 271.1) | 0.0001083 (0.0000859, 0.0001338) | 0.1597 (0.13308, 0.18745)  |
| Jawa Barat | Drowning                                      | 15  | 58.5 (36.3, 88.2)    | 0.0000278 (0.0000173, 0.0000420) | 0.02646 (0.01727, 0.03764) | 16.7 (9.4, 26.5)     | 0.0000083 (0.0000046, 0.0000131) | 0.0122 (0.00690, 0.01918)  |
| Jawa Barat | Falls                                         | 15  | 30.5 (19.5, 46.3)    | 0.0000145 (0.0000093, 0.0000220) | 0.0138 (0.00912, 0.02081)  | 12.2 (7.2, 19.6)     | 0.000006 (0.0000036, 0.0000097)  | 0.00888 (0.00543, 0.01430) |
| Jawa Barat | Interpersonal violence                        | 15  | 10.5 (5.6, 18.5)     | 0.000005 (0.0000026, 0.0000088)  | 0.00476 (0.00259, 0.00810) | 7.7 (4.1, 13.4)      | 0.0000038 (0.0000020, 0.0000066) | 0.00558 (0.00304, 0.00969) |
| Jawa Barat | Self-harm                                     | 15  | 27.6 (16.8, 42.7)    | 0.0000132 (0.0000080, 0.0000203) | 0.01252 (0.00781, 0.01861) | 17.5 (10.2, 27.3)    | 0.0000086 (0.0000050, 0.0000135) | 0.01273 (0.00760, 0.01945) |
| Jawa Barat | Transport injuries                            | 15  | 748.8 (612.0, 875.8) | 0.0003564 (0.0002912, 0.0004168) | 0.3389 (0.31144, 0.36643)  | 278.9 (226.0, 331.7) | 0.0001376 (0.0001115, 0.0001637) | 0.20301 (0.17691, 0.22886) |
| Jawa Barat | Other unintentional injuries                  | 15  | 66.4 (47.8, 88.4)    | 0.0000316 (0.0000228, 0.0000421) | 0.03006 (0.02251, 0.03842) | 26.7 (17.8, 38.4)    | 0.0000132 (0.0000088, 0.0000189) | 0.01946 (0.01344, 0.02723) |
| Jawa Barat | Diarrheal diseases                            | 20  | 40.8 (25.5, 62.2)    | 0.0000209 (0.0000131, 0.0000318) | 0.01546 (0.01016, 0.02197) | 26.5 (16.1, 38.7)    | 0.0000139 (0.0000085, 0.0000203) | 0.01926 (0.01238, 0.02709) |
| Jawa Barat | HIV/AIDS                                      | 20  | 29.6 (15.4, 52.5)    | 0.0000152 (0.0000079, 0.0000269) | 0.01122 (0.00612, 0.01935) | 13.4 (7.0, 23.3)     | 0.000007 (0.0000037, 0.0000122)  | 0.00971 (0.00507, 0.01682) |
| Jawa Barat | Lower respiratory infections                  | 20  | 44.3 (30.9, 61.1)    | 0.0000227 (0.0000158, 0.0000313) | 0.01682 (0.01222, 0.02216) | 16.8 (11.4, 23.3)    | 0.0000088 (0.0000060, 0.0000122) | 0.01223 (0.00870, 0.01629) |
| Jawa Barat | Malaria                                       | 20  | 3.0 (1.0, 7.4)       | 0.0000015 (0.0000005, 0.0000038) | 0.00114 (0.00039, 0.00269) | 1.4 (0.4, 3.3)       | 0.0000007 (0.0000002, 0.0000017) | 0.00099 (0.00033, 0.00234) |
| Jawa Barat | Tuberculosis                                  | 20  | 478.9 (384.1, 590.2) | 0.0002451 (0.0001966, 0.0003021) | 0.18138 (0.16109, 0.20341) | 178.6 (142.8, 223.6) | 0.0000936 (0.0000748, 0.0001171) | 0.12957 (0.11095, 0.14958) |
| Jawa Barat | Maternal disorders                            | 20  |                      |                                  |                            | 99.8 (70.8, 137.7)   | 0.0000523 (0.0000371, 0.0000722) | 0.07238 (0.05282, 0.09615) |
| Jawa Barat | Other communicable diseases                   | 20  | 319.3 (254.2, 394.4) | 0.0001634 (0.0001301, 0.0002019) | 0.12099 (0.10207, 0.14116) | 144.0 (110.9, 177.7) | 0.0000755 (0.0000581, 0.0000931) | 0.10457 (0.08550, 0.12392) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 20  | 9.7 (4.0, 19.8)      | 0.000005 (0.0000020, 0.0000101)  | 0.00369 (0.00149, 0.00761) | 5.0 (2.2, 9.5)       | 0.0000026 (0.0000012, 0.0000050) | 0.00364 (0.00166, 0.00714) |
| Jawa Barat | Breast cancer                                 | 20  | 0.5 (0.1, 1.4)       | 0.0000003 (0.0000001, 0.0000007) | 0.00019 (0.00004, 0.00056) | 22.4 (13.1, 35.2)    | 0.0000117 (0.0000069, 0.0000184) | 0.01625 (0.00963, 0.02463) |
| Jawa Barat | Cervical cancer                               | 20  |                      |                                  |                            | 20.1 (11.2, 33.8)    | 0.0000105 (0.0000059, 0.0000177) | 0.01458 (0.00841, 0.02390) |
| Jawa Barat | Other malignant neoplasms                     | 20  | 88.0 (67.0, 114.7)   | 0.0000451 (0.0000343, 0.0000587) | 0.03334 (0.02658, 0.04083) | 94.7 (72.5, 121.4)   | 0.0000496 (0.0000380, 0.0000636) | 0.06879 (0.05493, 0.08460) |
| Jawa Barat | Cerebrovascular disease                       | 20  | 77.7 (57.5, 102.1)   | 0.0000398 (0.0000294, 0.0000523) | 0.02946 (0.02299, 0.03689) | 57.9 (42.7, 77.5)    | 0.0000304 (0.0000224, 0.0000406) | 0.04204 (0.03268, 0.05262) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Ischemic heart disease                        | 20  | 178.7 (136.2, 232.1) | 0.0000915 (0.0000697, 0.0001188) | 0.06765 (0.05505, 0.08237) | 89.7 (67.8, 118.7)   | 0.000047 (0.0000355, 0.0000622)  | 0.06509 (0.05195, 0.07994) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 20  | 50.1 (34.8, 69.9)    | 0.0000257 (0.0000178, 0.0000358) | 0.01901 (0.01353, 0.02567) | 44.4 (32.1, 61.3)    | 0.0000233 (0.0000168, 0.0000321) | 0.03225 (0.02390, 0.04252) |
| Jawa Barat | Diabetes mellitus                             | 20  | 18.9 (11.4, 28.6)    | 0.0000097 (0.0000058, 0.0000146) | 0.00716 (0.00441, 0.01042) | 23.4 (14.6, 34.7)    | 0.0000123 (0.0000077, 0.0000182) | 0.01701 (0.01095, 0.02519) |
| Jawa Barat | Chronic kidney disease                        | 20  | 76.4 (54.9, 100.8)   | 0.0000391 (0.0000281, 0.0000516) | 0.02895 (0.02206, 0.03779) | 61.0 (45.0, 81.7)    | 0.000032 (0.0000236, 0.0000428)  | 0.04428 (0.03434, 0.05645) |
| Jawa Barat | Cirrhosis                                     | 20  | 106.8 (77.9, 142.2)  | 0.0000547 (0.0000399, 0.0000728) | 0.04046 (0.03162, 0.05074) | 45.1 (32.5, 60.2)    | 0.0000237 (0.0000170, 0.0000315) | 0.03279 (0.02446, 0.04192) |
| Jawa Barat | Chronic respiratory diseases                  | 20  | 72.3 (52.7, 97.2)    | 0.000037 (0.0000270, 0.0000498)  | 0.02739 (0.02042, 0.03534) | 37.3 (26.9, 51.5)    | 0.0000196 (0.0000141, 0.0000270) | 0.02708 (0.01996, 0.03513) |
| Jawa Barat | Other non-communicable diseases               | 20  | 229.9 (182.3, 289.0) | 0.0001177 (0.0000933, 0.0001479) | 0.08711 (0.07415, 0.10270) | 169.6 (134.1, 210.6) | 0.0000889 (0.0000703, 0.0001104) | 0.1231 (0.10549, 0.14333)  |
| Jawa Barat | Drowning                                      | 20  | 43.2 (25.9, 69.0)    | 0.0000221 (0.0000133, 0.0000353) | 0.01638 (0.00995, 0.02558) | 10.1 (5.5, 16.3)     | 0.0000053 (0.0000029, 0.0000085) | 0.00731 (0.00414, 0.01198) |
| Jawa Barat | Falls                                         | 20  | 30.6 (19.2, 46.0)    | 0.0000157 (0.0000098, 0.0000236) | 0.01161 (0.00758, 0.01711) | 9.6 (5.7, 15.2)      | 0.000005 (0.0000030, 0.0000080)  | 0.00699 (0.00430, 0.01080) |
| Jawa Barat | Interpersonal violence                        | 20  | 12.9 (7.2, 21.8)     | 0.0000066 (0.0000037, 0.0000112) | 0.00488 (0.00277, 0.00811) | 6.6 (3.5, 11.8)      | 0.0000034 (0.0000018, 0.0000062) | 0.00476 (0.00261, 0.00826) |
| Jawa Barat | Self-harm                                     | 20  | 28.9 (18.2, 42.7)    | 0.0000148 (0.0000093, 0.0000219) | 0.01095 (0.00715, 0.01613) | 12.6 (7.4, 19.1)     | 0.0000066 (0.0000039, 0.0000100) | 0.00913 (0.00558, 0.01354) |
| Jawa Barat | Transport injuries                            | 20  | 623.1 (505.9, 739.3) | 0.000319 (0.0002590, 0.0003784)  | 0.2361 (0.21279, 0.26134)  | 165.2 (130.3, 203.4) | 0.0000866 (0.0000683, 0.0001066) | 0.11992 (0.10320, 0.13694) |
| Jawa Barat | Other unintentional injuries                  | 20  | 75.6 (55.8, 99.7)    | 0.0000387 (0.0000286, 0.0000510) | 0.02866 (0.02206, 0.03673) | 22.5 (15.2, 31.8)    | 0.0000118 (0.0000079, 0.0000166) | 0.0163 (0.01156, 0.02234)  |
| Jawa Barat | Diarrheal diseases                            | 25  | 63.4 (42.2, 90.1)    | 0.0000298 (0.0000199, 0.0000424) | 0.01932 (0.01352, 0.02663) | 39.1 (25.4, 55.4)    | 0.000019 (0.0000123, 0.0000269)  | 0.02375 (0.01659, 0.03228) |
| Jawa Barat | HIV/AIDS                                      | 25  | 59.3 (35.9, 95.6)    | 0.0000279 (0.0000169, 0.0000450) | 0.01806 (0.01121, 0.02835) | 25.7 (15.5, 41.5)    | 0.0000125 (0.0000075, 0.0000201) | 0.01563 (0.00941, 0.02460) |
| Jawa Barat | Lower respiratory infections                  | 25  | 48.9 (34.8, 65.3)    | 0.000023 (0.0000164, 0.0000307)  | 0.0149 (0.01097, 0.01940)  | 18.1 (12.5, 24.5)    | 0.0000088 (0.0000061, 0.0000119) | 0.01098 (0.00805, 0.01440) |
| Jawa Barat | Malaria                                       | 25  | 3.5 (1.1, 8.3)       | 0.0000016 (0.0000005, 0.0000039) | 0.00107 (0.00036, 0.00242) | 1.4 (0.5, 3.7)       | 0.0000007 (0.0000002, 0.0000018) | 0.00087 (0.00028, 0.00211) |
| Jawa Barat | Tuberculosis                                  | 25  | 687.2 (567.0, 824.1) | 0.0003235 (0.0002669, 0.0003879) | 0.20943 (0.19035, 0.22982) | 239.9 (194.4, 302.3) | 0.0001164 (0.0000943, 0.0001466) | 0.14584 (0.12792, 0.16364) |
| Jawa Barat | Maternal disorders                            | 25  |                      |                                  |                            | 107.2 (73.5, 147.5)  | 0.000052 (0.0000357, 0.0000715)  | 0.06516 (0.04807, 0.08629) |
| Jawa Barat | Other communicable diseases                   | 25  | 371.1 (298.9, 453.0) | 0.0001747 (0.0001407, 0.0002132) | 0.11312 (0.09743, 0.12985) | 160.5 (123.8, 207.6) | 0.0000778 (0.0000601, 0.0001007) | 0.09755 (0.08300, 0.11394) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 25  | 13.8 (6.7, 25.5)     | 0.0000065 (0.0000032, 0.0000120) | 0.00422 (0.00210, 0.00757) | 6.8 (3.5, 11.9)      | 0.0000033 (0.0000017, 0.0000058) | 0.00413 (0.00225, 0.00702) |
| Jawa Barat | Breast cancer                                 | 25  | 0.7 (0.2, 1.8)       | 0.0000003 (0.0000001, 0.0000008) | 0.00022 (0.00007, 0.00054) | 47.7 (33.5, 65.2)    | 0.0000231 (0.0000162, 0.0000316) | 0.02899 (0.02108, 0.03741) |
| Jawa Barat | Cervical cancer                               | 25  |                      |                                  |                            | 35.2 (21.7, 52.4)    | 0.0000171 (0.0000105, 0.0000254) | 0.02136 (0.01397, 0.03082) |
| Jawa Barat | Other malignant neoplasms                     | 25  | 142.4 (114.5, 178.7) | 0.000067 (0.0000539, 0.0000841)  | 0.04341 (0.03615, 0.05084) | 109.6 (85.8, 138.5)  | 0.0000532 (0.0000416, 0.0000672) | 0.06669 (0.05531, 0.07923) |
| Jawa Barat | Cerebrovascular disease                       | 25  | 144.8 (114.6, 178.6) | 0.0000682 (0.0000539, 0.0000841) | 0.04413 (0.03718, 0.05111) | 95.9 (72.6, 120.5)   | 0.0000465 (0.0000367, 0.0000584) | 0.05831 (0.05008, 0.06710) |
| Jawa Barat | Ischemic heart disease                        | 25  | 332.8 (272.2, 405.4) | 0.0001566 (0.0001281, 0.0001908) | 0.10143 (0.08906, 0.11501) | 146.1 (116.7, 184.4) | 0.0000709 (0.0000566, 0.0000894) | 0.08883 (0.07730, 0.10128) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 25  | 71.0 (53.2, 92.8)    | 0.0000334 (0.0000251, 0.0000437) | 0.02165 (0.01667, 0.02752) | 55.7 (42.5, 73.2)    | 0.000027 (0.0000206, 0.0000355)  | 0.03389 (0.02752, 0.04177) |
| Jawa Barat | Diabetes mellitus                             | 25  | 35.5 (25.7, 47.4)    | 0.0000167 (0.0000121, 0.0000223) | 0.01082 (0.00800, 0.01435) | 37.7 (27.3, 51.1)    | 0.0000183 (0.0000132, 0.0000248) | 0.02296 (0.01751, 0.02953) |
| Jawa Barat | Chronic kidney disease                        | 25  | 96.5 (74.5, 122.6)   | 0.0000454 (0.0000351, 0.0000577) | 0.02944 (0.02364, 0.03605) | 65.9 (50.0, 84.8)    | 0.000032 (0.0000242, 0.0000411)  | 0.04006 (0.03290, 0.04839) |
| Jawa Barat | Cirrhosis                                     | 25  | 164.4 (130.2, 205.6) | 0.0000774 (0.0000613, 0.0000968) | 0.05009 (0.04270, 0.05936) | 61.2 (47.2, 78.1)    | 0.0000297 (0.0000229, 0.0000379) | 0.03725 (0.03067, 0.04473) |
| Jawa Barat | Chronic respiratory diseases                  | 25  | 102.8 (79.3, 131.7)  | 0.0000484 (0.0000373, 0.0000620) | 0.03134 (0.02504, 0.03830) | 46.6 (35.1, 61.1)    | 0.0000226 (0.0000170, 0.0000296) | 0.02834 (0.02276, 0.03492) |
| Jawa Barat | Other non-communicable diseases               | 25  | 282.3 (229.3, 339.5) | 0.0001329 (0.0001079, 0.0001598) | 0.08604 (0.07524, 0.09745) | 185.3 (148.2, 228.8) | 0.0000899 (0.0000719, 0.0001110) | 0.11264 (0.09944, 0.12536) |
| Jawa Barat | Drowning                                      | 25  | 30.2 (15.2, 52.4)    | 0.0000142 (0.0000071, 0.0000246) | 0.00921 (0.00462, 0.01514) | 6.5 (3.3, 11.1)      | 0.0000032 (0.0000016, 0.0000054) | 0.00396 (0.00199, 0.00666) |
| Jawa Barat | Falls                                         | 25  | 46.3 (30.3, 69.5)    | 0.0000218 (0.0000143, 0.0000327) | 0.01409 (0.00941, 0.02023) | 13.2 (8.4, 19.7)     | 0.0000064 (0.0000041, 0.0000095) | 0.00804 (0.00520, 0.01152) |
| Jawa Barat | Interpersonal violence                        | 25  | 13.8 (7.4, 23.4)     | 0.0000065 (0.0000035, 0.0000110) | 0.00422 (0.00235, 0.00711) | 6.0 (3.3, 10.5)      | 0.0000029 (0.0000016, 0.0000051) | 0.00365 (0.00201, 0.00608) |
| Jawa Barat | Self-harm                                     | 25  | 28.8 (17.9, 43.3)    | 0.0000135 (0.0000084, 0.0000204) | 0.00878 (0.00573, 0.01307) | 10.5 (6.6, 16.3)     | 0.0000051 (0.0000032, 0.0000079) | 0.00604 (0.00406, 0.00964) |
| Jawa Barat | Transport injuries                            | 25  | 445.6 (354.6, 553.7) | 0.0002097 (0.0001669, 0.0002606) | 0.13576 (0.11734, 0.15681) | 98.0 (76.0, 126.7)   | 0.0000475 (0.0000369, 0.0000615) | 0.05958 (0.04904, 0.07088) |
| Jawa Barat | Other unintentional injuries                  | 25  | 95.9 (71.4, 126.2)   | 0.0000451 (0.0000336, 0.0000594) | 0.02924 (0.02243, 0.03776) | 24.9 (17.1, 34.7)    | 0.0000121 (0.0000083, 0.0000168) | 0.01516 (0.01091, 0.01973) |
| Jawa Barat | Diarrheal diseases                            | 30  | 69.3 (47.5, 96.9)    | 0.0000352 (0.0000241, 0.0000492) | 0.02031 (0.01431, 0.02787) | 38.0 (25.8, 53.8)    | 0.0000199 (0.0000135, 0.0000282) | 0.02162 (0.01555, 0.02887) |
| Jawa Barat | HIV/AIDS                                      | 30  | 58.1 (34.5, 87.6)    | 0.0000295 (0.0000175, 0.0000445) | 0.01702 (0.01050, 0.02565) | 23.1 (13.6, 37.3)    | 0.0000121 (0.0000073, 0.0000195) | 0.0132 (0.00817, 0.02039)  |
| Jawa Barat | Lower respiratory infections                  | 30  | 43.7 (31.4, 58.4)    | 0.0000222 (0.0000159, 0.0000296) | 0.01282 (0.00959, 0.01643) | 15.0 (10.2, 20.6)    | 0.0000079 (0.0000053, 0.0000108) | 0.00858 (0.00641, 0.01128) |
| Jawa Barat | Malaria                                       | 30  | 2.9 (0.9, 6.8)       | 0.0000015 (0.0000005, 0.0000035) | 0.00084 (0.00028, 0.00202) | 1.0 (0.3, 2.5)       | 0.0000005 (0.0000002, 0.0000013) | 0.00058 (0.00020, 0.00137) |
| Jawa Barat | Tuberculosis                                  | 30  | 652.5 (533.6, 783.7) | 0.0003313 (0.0002709, 0.0003979) | 0.19115 (0.17226, 0.21109) | 205.5 (161.6, 263.1) | 0.0001076 (0.0000847, 0.0001378) | 0.11715 (0.10206, 0.13180) |
| Jawa Barat | Maternal disorders                            | 30  |                      |                                  |                            | 141.5 (102.9, 190.2) | 0.0000741 (0.0000539, 0.0000996) | 0.08067 (0.06312, 0.10084) |
| Jawa Barat | Other communicable diseases                   | 30  | 257.9 (203.9, 325.6) | 0.000131 (0.0001035, 0.0001653)  | 0.07559 (0.06319, 0.09074) | 99.5 (74.9, 133.6)   | 0.0000521 (0.0000392, 0.0000700) | 0.05675 (0.04598, 0.06908) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 30  | 30.0 (16.3, 54.2)    | 0.0000153 (0.0000083, 0.0000275) | 0.00883 (0.00477, 0.01591) | 7.4 (4.2, 12.1)      | 0.0000039 (0.0000022, 0.0000063) | 0.00424 (0.00248, 0.00676) |
| Jawa Barat | Breast cancer                                 | 30  | 1.0 (0.3, 2.5)       | 0.0000005 (0.0000002, 0.0000013) | 0.0003 (0.00010, 0.00073)  | 72.9 (52.9, 97.2)    | 0.0000382 (0.0000277, 0.0000509) | 0.04155 (0.03281, 0.05187) |
| Jawa Barat | Cervical cancer                               | 30  |                      |                                  |                            | 53.0 (34.3, 76.0)    | 0.0000278 (0.0000180, 0.0000398) | 0.03017 (0.02163, 0.04042) |
| Jawa Barat | Other malignant neoplasms                     | 30  | 182.7 (147.1, 227.4) | 0.0000928 (0.0000747, 0.0001155) | 0.05353 (0.04539, 0.06183) | 110.1 (85.4, 142.1)  | 0.0000577 (0.0000447, 0.0000744) | 0.06283 (0.05248, 0.07503) |
| Jawa Barat | Cerebrovascular disease                       | 30  | 223.3 (181.1, 272.5) | 0.0001134 (0.0000920, 0.0001384) | 0.0654 (0.05755, 0.07443)  | 145.5 (115.5, 186.3) | 0.0000762 (0.0000605, 0.0000976) | 0.08294 (0.07425, 0.09313) |
| Jawa Barat | Ischemic heart disease                        | 30  | 464.1 (380.1, 560.4) | 0.0002357 (0.0001930, 0.0002846) | 0.13598 (0.12325, 0.15008) | 200.4 (159.1, 250.6) | 0.000105 (0.0000833, 0.0001313)  | 0.11427 (0.10353, 0.12616) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 30  | 84.0 (63.9, 110.3)   | 0.0000427 (0.0000324, 0.0000560) | 0.02462 (0.01972, 0.03042) | 64.5 (49.0, 83.7)    | 0.0000338 (0.0000257, 0.0000438) | 0.03679 (0.03045, 0.04357) |
| Jawa Barat | Diabetes mellitus                             | 30  | 58.1 (43.6, 74.6)    | 0.0000295 (0.0000221, 0.0000379) | 0.01702 (0.01355, 0.02131) | 59.2 (45.1, 77.5)    | 0.000031 (0.0000236, 0.0000406)  | 0.03377 (0.02776, 0.04053) |
| Jawa Barat | Chronic kidney disease                        | 30  | 104.1 (82.4, 131.8)  | 0.0000529 (0.0000419, 0.0000669) | 0.03051 (0.02531, 0.03647) | 68.2 (52.2, 88.4)    | 0.0000357 (0.0000273, 0.0000463) | 0.03885 (0.03247, 0.04550) |
| Jawa Barat | Cirrhosis                                     | 30  | 213.7 (169.9, 268.8) | 0.0001085 (0.0000863, 0.0001365) | 0.06258 (0.05329, 0.07288) | 78.2 (61.0, 100.4)   | 0.0000409 (0.0000320, 0.0000526) | 0.04458 (0.03767, 0.05234) |
| Jawa Barat | Chronic respiratory diseases                  | 30  | 105.3 (79.5, 135.1)  | 0.0000535 (0.0000404, 0.0000686) | 0.03085 (0.02430, 0.03751) | 46.8 (34.9, 62.5)    | 0.0000245 (0.0000183, 0.0000328) | 0.02671 (0.02159, 0.03230) |
| Jawa Barat | Other non-communicable diseases               | 30  | 284.9 (232.5, 344.8) | 0.0001447 (0.0001180, 0.0001751) | 0.08349 (0.07361, 0.09476) | 184.2 (149.8, 233.8) | 0.0000965 (0.0000764, 0.0001225) | 0.10498 (0.09432, 0.11564) |
| Jawa Barat | Drowning                                      | 30  | 33.2 (18.4, 54.2)    | 0.0000169 (0.0000094, 0.0000275) | 0.00972 (0.00541, 0.01535) | 7.5 (4.0, 12.1)      | 0.0000039 (0.0000021, 0.0000063) | 0.00428 (0.00232, 0.00688) |
| Jawa Barat | Falls                                         | 30  | 54.0 (36.1, 77.6)    | 0.0000274 (0.0000183, 0.0000394) | 0.01584 (0.01073, 0.02234) | 15.9 (10.2, 23.6)    | 0.0000083 (0.0000053, 0.0000124) | 0.00908 (0.00617, 0.01267) |
| Jawa Barat | Interpersonal violence                        | 30  | 10.4 (5.5, 17.9)     | 0.0000053 (0.0000028, 0.0000091) | 0.00305 (0.00169, 0.00515) | 4.4 (2.3, 7.5)       | 0.0000023 (0.0000012, 0.0000039) | 0.00253 (0.00138, 0.00415) |
| Jawa Barat | Self-harm                                     | 30  | 21.2 (13.5, 32.1)    | 0.0000108 (0.0000069, 0.0000163) | 0.00621 (0.00406, 0.00919) | 7.6 (4.6, 11.8)      | 0.000004 (0.0000024, 0.0000062)  | 0.00431 (0.00269, 0.00655) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                    |                                  |                            | Females              |                                  |                            |
|------------|-----------------------------------------------|-----|--------------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Transport injuries                            | 30  | 373.1 (298.7, 454.9)     | 0.0001894 (0.0001517, 0.0002310) | 0.10931 (0.09531, 0.12400) | 82.2 (62.4, 105.4)   | 0.000043 (0.0000327, 0.0000552)  | 0.04687 (0.03896, 0.05612) |
| Jawa Barat | Other unintentional injuries                  | 30  | 85.3 (62.6, 111.8)       | 0.0000433 (0.0000318, 0.0000568) | 0.02503 (0.01889, 0.03245) | 22.3 (15.0, 30.6)    | 0.0000117 (0.0000079, 0.0000161) | 0.01269 (0.00909, 0.01672) |
| Jawa Barat | Diarrheal diseases                            | 35  | 62.7 (42.5, 90.1)        | 0.0000335 (0.0000227, 0.0000480) | 0.01529 (0.01084, 0.02117) | 43.0 (29.1, 61.0)    | 0.0000243 (0.0000165, 0.0000345) | 0.01786 (0.01280, 0.02426) |
| Jawa Barat | HIV/AIDS                                      | 35  | 52.0 (32.1, 82.3)        | 0.0000278 (0.0000171, 0.0000439) | 0.01268 (0.00800, 0.01912) | 25.2 (14.9, 41.0)    | 0.0000142 (0.0000084, 0.0000232) | 0.01045 (0.00658, 0.01639) |
| Jawa Barat | Lower respiratory infections                  | 35  | 48.2 (35.0, 64.6)        | 0.0000257 (0.0000187, 0.0000345) | 0.01175 (0.00901, 0.01513) | 21.0 (14.6, 29.2)    | 0.0000119 (0.0000083, 0.0000165) | 0.00871 (0.00660, 0.01129) |
| Jawa Barat | Malaria                                       | 35  | 2.5 (0.8, 6.0)           | 0.0000014 (0.0000005, 0.0000032) | 0.00061 (0.00021, 0.00147) | 1.1 (0.4, 2.8)       | 0.0000006 (0.0000002, 0.0000016) | 0.00044 (0.00016, 0.00113) |
| Jawa Barat | Tuberculosis                                  | 35  | 699.7 (573.6, 855.3)     | 0.0003732 (0.0003059, 0.0004561) | 0.17041 (0.15470, 0.18757) | 264.3 (201.5, 342.5) | 0.0001494 (0.0001139, 0.0001936) | 0.10959 (0.09596, 0.12421) |
| Jawa Barat | Maternal disorders                            | 35  |                          |                                  |                            | 136.2 (96.6, 188.2)  | 0.000077 (0.0000546, 0.0001064)  | 0.0565 (0.04349, 0.07317)  |
| Jawa Barat | Other communicable diseases                   | 35  | 240.2 (183.3, 303.3)     | 0.0001281 (0.0000977, 0.0001618) | 0.05852 (0.04809, 0.06945) | 117.8 (86.8, 157.3)  | 0.0000666 (0.0000491, 0.0000889) | 0.04884 (0.04002, 0.05882) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 35  | 22.3 (11.1, 38.6)        | 0.0000119 (0.0000059, 0.0000206) | 0.00543 (0.00291, 0.00926) | 10.8 (6.4, 16.7)     | 0.0000061 (0.0000036, 0.0000094) | 0.00446 (0.00289, 0.00678) |
| Jawa Barat | Breast cancer                                 | 35  | 2.2 (0.9, 4.7)           | 0.0000012 (0.0000005, 0.0000025) | 0.00054 (0.00022, 0.00114) | 118.0 (85.3, 158.4)  | 0.0000667 (0.0000482, 0.0000895) | 0.04896 (0.03868, 0.06053) |
| Jawa Barat | Cervical cancer                               | 35  |                          |                                  |                            | 89.9 (59.8, 126.9)   | 0.0000508 (0.0000338, 0.0000717) | 0.03724 (0.02708, 0.04867) |
| Jawa Barat | Other malignant neoplasms                     | 35  | 272.6 (217.5, 339.0)     | 0.0001454 (0.0001160, 0.0001808) | 0.0664 (0.05830, 0.07573)  | 137.1 (103.4, 176.2) | 0.0000775 (0.0000585, 0.0000996) | 0.05689 (0.04720, 0.06669) |
| Jawa Barat | Cerebrovascular disease                       | 35  | 377.3 (304.3, 462.0)     | 0.0002012 (0.0001623, 0.0002464) | 0.09189 (0.08215, 0.10183) | 267.4 (211.0, 337.7) | 0.0001512 (0.0001193, 0.0001909) | 0.11091 (0.10037, 0.12184) |
| Jawa Barat | Ischemic heart disease                        | 35  | 677.0 (558.7, 824.9)     | 0.000361 (0.0002979, 0.0004399)  | 0.16489 (0.15202, 0.17840) | 326.3 (256.2, 405.1) | 0.0001844 (0.0001448, 0.0002290) | 0.13532 (0.12378, 0.14711) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 35  | 115.2 (88.4, 149.4)      | 0.0000614 (0.0000472, 0.0000797) | 0.02806 (0.02316, 0.03412) | 93.0 (71.2, 122.2)   | 0.0000526 (0.0000402, 0.0000691) | 0.03859 (0.03258, 0.04508) |
| Jawa Barat | Diabetes mellitus                             | 35  | 115.2 (88.4, 149.1)      | 0.0000615 (0.0000472, 0.0000795) | 0.02808 (0.02323, 0.03358) | 123.3 (94.6, 161.1)  | 0.0000697 (0.0000535, 0.0000910) | 0.05112 (0.04338, 0.05943) |
| Jawa Barat | Chronic kidney disease                        | 35  | 129.9 (102.1, 164.8)     | 0.0000693 (0.0000544, 0.0000879) | 0.03165 (0.02645, 0.03789) | 88.9 (67.1, 114.9)   | 0.0000502 (0.0000379, 0.0000650) | 0.03686 (0.03114, 0.04266) |
| Jawa Barat | Cirrhosis                                     | 35  | 287.7 (229.8, 363.7)     | 0.0001535 (0.0001225, 0.0001940) | 0.07007 (0.06131, 0.08109) | 114.5 (88.5, 146.9)  | 0.0000647 (0.0000500, 0.0000830) | 0.04751 (0.04109, 0.05525) |
| Jawa Barat | Chronic respiratory diseases                  | 35  | 139.0 (106.9, 177.1)     | 0.0000741 (0.0000570, 0.0000945) | 0.03386 (0.02776, 0.04061) | 61.9 (46.3, 81.5)    | 0.000035 (0.0000262, 0.0000461)  | 0.02566 (0.02112, 0.03054) |
| Jawa Barat | Other non-communicable diseases               | 35  | 315.0 (253.7, 387.8)     | 0.000168 (0.0001353, 0.0002068)  | 0.07674 (0.06837, 0.08597) | 218.8 (170.1, 282.1) | 0.0001237 (0.0000961, 0.0001595) | 0.0907 (0.08119, 0.10029)  |
| Jawa Barat | Drowning                                      | 35  | 46.3 (27.3, 74.6)        | 0.0000247 (0.0000146, 0.0000398) | 0.01127 (0.00684, 0.01780) | 12.9 (7.0, 21.1)     | 0.0000073 (0.0000044, 0.0000119) | 0.00534 (0.00306, 0.00853) |
| Jawa Barat | Falls                                         | 35  | 60.0 (40.0, 85.7)        | 0.000032 (0.0000213, 0.0000457)  | 0.01461 (0.01003, 0.02000) | 21.0 (13.2, 31.3)    | 0.0000119 (0.0000075, 0.0000177) | 0.00873 (0.00592, 0.01227) |
| Jawa Barat | Interpersonal violence                        | 35  | 9.3 (4.9, 15.5)          | 0.000005 (0.0000026, 0.0000083)  | 0.00227 (0.00126, 0.00382) | 4.3 (2.3, 7.6)       | 0.0000025 (0.0000013, 0.0000043) | 0.0018 (0.00096, 0.00306)  |
| Jawa Barat | Self-harm                                     | 35  | 20.3 (12.4, 30.3)        | 0.0000108 (0.0000066, 0.0000162) | 0.00494 (0.00314, 0.00718) | 7.8 (4.6, 12.2)      | 0.0000044 (0.0000026, 0.0000069) | 0.00322 (0.00197, 0.00480) |
| Jawa Barat | Transport injuries                            | 35  | 324.9 (255.8, 409.2)     | 0.0001733 (0.0001364, 0.0002182) | 0.07913 (0.06707, 0.09192) | 81.5 (59.8, 107.7)   | 0.0000461 (0.0000338, 0.0000609) | 0.03381 (0.02745, 0.04052) |
| Jawa Barat | Other unintentional injuries                  | 35  | 85.7 (61.9, 117.7)       | 0.0000457 (0.0000330, 0.0000628) | 0.0209 (0.01582, 0.02713)  | 25.3 (16.9, 36.5)    | 0.0000143 (0.0000095, 0.0000207) | 0.0105 (0.00755, 0.01398)  |
| Jawa Barat | Diarrheal diseases                            | 40  | 67.8 (47.2, 96.9)        | 0.0000418 (0.0000291, 0.0000597) | 0.01344 (0.00983, 0.01791) | 54.7 (37.7, 76.0)    | 0.0000357 (0.0000246, 0.0000496) | 0.01861 (0.01390, 0.02429) |
| Jawa Barat | HIV/AIDS                                      | 40  | 26.6 (15.4, 42.8)        | 0.0000164 (0.0000095, 0.0000264) | 0.00528 (0.00314, 0.00824) | 15.3 (8.9, 26.0)     | 0.00001 (0.0000058, 0.0000170)   | 0.00522 (0.00313, 0.00820) |
| Jawa Barat | Lower respiratory infections                  | 40  | 46.7 (34.0, 62.1)        | 0.0000288 (0.0000210, 0.0000383) | 0.00927 (0.00720, 0.01176) | 25.2 (17.4, 35.4)    | 0.0000165 (0.0000114, 0.0000231) | 0.00857 (0.00648, 0.01092) |
| Jawa Barat | Malaria                                       | 40  | 2.6 (0.9, 6.3)           | 0.0000016 (0.0000005, 0.0000039) | 0.00051 (0.00018, 0.00102) | 1.2 (0.4, 3.0)       | 0.0000008 (0.0000003, 0.0000014) | 0.00041 (0.00014, 0.00105) |
| Jawa Barat | Tuberculosis                                  | 40  | 662.2 (529.9, 810.9)     | 0.0004084 (0.0003268, 0.0005000) | 0.13131 (0.12002, 0.14387) | 286.5 (223.3, 367.4) | 0.000187 (0.0001457, 0.0002397)  | 0.09737 (0.08715, 0.10764) |
| Jawa Barat | Maternal disorders                            | 40  |                          |                                  |                            | 43.6 (27.5, 67.9)    | 0.0000285 (0.0000180, 0.0000443) | 0.01481 (0.00991, 0.02198) |
| Jawa Barat | Other communicable diseases                   | 40  | 230.7 (183.0, 292.0)     | 0.0001422 (0.0001129, 0.0001801) | 0.04576 (0.03783, 0.05419) | 136.0 (100.0, 181.7) | 0.0000887 (0.0000652, 0.0001186) | 0.04618 (0.03768, 0.05545) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 40  | 47.8 (30.9, 70.5)        | 0.0000295 (0.0000191, 0.0000435) | 0.00948 (0.00645, 0.01380) | 13.7 (8.6, 21.0)     | 0.000009 (0.0000056, 0.0000137)  | 0.00467 (0.00318, 0.00678) |
| Jawa Barat | Breast cancer                                 | 40  | 4.3 (2.1, 8.0)           | 0.0000026 (0.0000013, 0.0000049) | 0.00084 (0.00043, 0.00158) | 163.4 (120.2, 216.1) | 0.0001066 (0.0000785, 0.0001410) | 0.05558 (0.04555, 0.06736) |
| Jawa Barat | Cervical cancer                               | 40  |                          |                                  |                            | 107.3 (72.4, 149.9)  | 0.00007 (0.0000473, 0.0000978)   | 0.03644 (0.02701, 0.04666) |
| Jawa Barat | Other malignant neoplasms                     | 40  | 368.9 (300.9, 456.4)     | 0.0002275 (0.0001855, 0.0002814) | 0.07316 (0.06448, 0.08150) | 155.8 (117.4, 205.4) | 0.0001017 (0.0000766, 0.0001340) | 0.05297 (0.04427, 0.06340) |
| Jawa Barat | Cerebrovascular disease                       | 40  | 617.8 (497.6, 745.3)     | 0.0003809 (0.0003068, 0.0004596) | 0.12249 (0.11223, 0.13303) | 415.6 (328.1, 529.8) | 0.0002712 (0.0002141, 0.0003457) | 0.14126 (0.13092, 0.15210) |
| Jawa Barat | Ischemic heart disease                        | 40  | 1,051.4 (866.0, 1,262.0) | 0.0006483 (0.0005340, 0.0007782) | 0.20852 (0.19509, 0.22192) | 478.0 (376.3, 599.3) | 0.0003119 (0.0002456, 0.0003911) | 0.16249 (0.15133, 0.17405) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 40  | 168.2 (131.2, 213.1)     | 0.0001037 (0.0000809, 0.0001314) | 0.03336 (0.02816, 0.03953) | 126.3 (96.3, 163.3)  | 0.0000824 (0.0000628, 0.0001066) | 0.04292 (0.03733, 0.04925) |
| Jawa Barat | Diabetes mellitus                             | 40  | 253.3 (199.7, 314.8)     | 0.0001562 (0.0001232, 0.0001941) | 0.05022 (0.04343, 0.05746) | 246.6 (193.5, 319.2) | 0.0001609 (0.0001263, 0.0002083) | 0.08382 (0.07430, 0.09416) |
| Jawa Barat | Chronic kidney disease                        | 40  | 175.0 (138.2, 219.9)     | 0.0001079 (0.0000852, 0.0001356) | 0.03473 (0.02925, 0.04110) | 109.1 (82.3, 143.1)  | 0.0000712 (0.0000537, 0.0000934) | 0.03706 (0.03159, 0.04325) |
| Jawa Barat | Cirrhosis                                     | 40  | 367.1 (292.6, 449.8)     | 0.0002264 (0.0001804, 0.0002774) | 0.0728 (0.06390, 0.08236)  | 139.9 (108.7, 180.8) | 0.0000913 (0.0000709, 0.0001179) | 0.04756 (0.04123, 0.05453) |
| Jawa Barat | Chronic respiratory diseases                  | 40  | 176.0 (137.4, 222.0)     | 0.0001085 (0.0000847, 0.0001369) | 0.03491 (0.02918, 0.04059) | 73.6 (55.9, 97.0)    | 0.000048 (0.0000365, 0.0000633)  | 0.02503 (0.02080, 0.02947) |
| Jawa Barat | Other non-communicable diseases               | 40  | 353.2 (283.5, 428.7)     | 0.0002178 (0.0001748, 0.0002643) | 0.07006 (0.06277, 0.07738) | 231.8 (179.7, 297.2) | 0.0001513 (0.0001173, 0.0001939) | 0.07878 (0.07121, 0.08645) |
| Jawa Barat | Drowning                                      | 40  | 23.2 (12.9, 38.8)        | 0.0000143 (0.0000079, 0.0000240) | 0.0046 (0.00261, 0.00754)  | 7.0 (3.7, 12.0)      | 0.0000046 (0.0000024, 0.0000078) | 0.00238 (0.00126, 0.00392) |
| Jawa Barat | Falls                                         | 40  | 50.7 (34.8, 72.7)        | 0.0000312 (0.0000215, 0.0000449) | 0.01005 (0.00712, 0.01350) | 18.5 (12.0, 27.0)    | 0.0000121 (0.0000078, 0.0000176) | 0.0063 (0.00433, 0.00862)  |
| Jawa Barat | Interpersonal violence                        | 40  | 7.3 (3.8, 12.2)          | 0.0000045 (0.0000023, 0.0000076) | 0.00146 (0.00078, 0.00243) | 3.2 (1.6, 5.4)       | 0.0000022 (0.0000011, 0.0000035) | 0.00108 (0.00058, 0.00190) |
| Jawa Barat | Self-harm                                     | 40  | 18.3 (11.5, 27.6)        | 0.0000113 (0.0000071, 0.0000170) | 0.00363 (0.00240, 0.00533) | 6.4 (3.7, 10.1)      | 0.0000042 (0.0000024, 0.0000066) | 0.00217 (0.00134, 0.00328) |
| Jawa Barat | Transport injuries                            | 40  | 255.3 (196.3, 324.4)     | 0.0001574 (0.0001210, 0.0002000) | 0.05062 (0.04191, 0.05955) | 63.8 (47.1, 84.8)    | 0.0000416 (0.0000308, 0.0000553) | 0.02169 (0.01750, 0.02642) |
| Jawa Barat | Other unintentional injuries                  | 40  | 67.9 (49.1, 93.4)        | 0.0000419 (0.0000303, 0.0000576) | 0.01348 (0.01020, 0.01762) | 19.6 (13.2, 27.7)    | 0.0000128 (0.0000086, 0.0000181) | 0.00664 (0.00481, 0.00899) |
| Jawa Barat | Diarrheal diseases                            | 45  | 68.0 (47.4, 94.5)        | 0.0000503 (0.0000351, 0.0000700) | 0.01114 (0.00809, 0.01462) | 71.6 (49.6, 98.4)    | 0.0000561 (0.0000389, 0.0000771) | 0.01696 (0.01285, 0.02152) |
| Jawa Barat | HIV/AIDS                                      | 45  | 13.9 (8.2, 22.8)         | 0.0000103 (0.0000060, 0.0000169) | 0.00229 (0.00137, 0.00369) | 10.5 (5.7, 18.0)     | 0.0000082 (0.0000045, 0.0000141) | 0.00249 (0.00142, 0.00409) |
| Jawa Barat | Lower respiratory infections                  | 45  | 56.5 (42.1, 75.0)        | 0.0000418 (0.0000312, 0.0000555) | 0.00927 (0.00725, 0.01149) | 41.5 (29.3, 56.3)    | 0.0000325 (0.0000230, 0.0000441) | 0.00984 (0.00788, 0.01233) |
| Jawa Barat | Malaria                                       | 45  | 2.3 (0.8, 5.6)           | 0.0000017 (0.0000006, 0.0000042) | 0.00038 (0.00014, 0.00091) | 1.3 (0.5, 3.5)       | 0.000001 (0.0000004, 0.0000027)  | 0.00031 (0.00011, 0.00080) |
| Jawa Barat | Tuberculosis                                  | 45  | 738.0 (593.1, 905.5)     | 0.0005464 (0.0004391, 0.0006704) | 0.12097 (0.11111, 0.13139) | 407.9 (321.3, 510.6) | 0.0003196 (0.0002518, 0.0004001) | 0.09671 (0.08737, 0.10639) |
| Jawa Barat | Maternal disorders                            | 45  |                          |                                  |                            | 11.4 (5.5, 20.1)     | 0.0000089 (0.0000043, 0.0000158) | 0.0027 (0.00134, 0.00460)  |
| Jawa Barat | Other communicable diseases                   | 45  | 197.7 (151.4, 256.5)     | 0.0001464 (0.0001121, 0.0001899) | 0.03242 (0.02716, 0.03806) | 154.3 (115.5, 203.2) | 0.0001209 (0.0000905, 0.0001592) | 0.03657 (0.03051, 0.04293) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 45  | 61.1 (40.7, 88.5)        | 0.0000453 (0.0000302, 0.0000655) | 0.01003 (0.00698, 0.01386) | 20.7 (12.8, 31.6)    | 0.0000162 (0.0000100, 0.0000248) | 0.0049 (0.00327, 0.00712)  |
| Jawa Barat | Breast cancer                                 | 45  | 5.6 (2.9, 9.9)           | 0.0000041 (0.0000022, 0.0000074) | 0.00092 (0.00050, 0.00157) | 198.5 (147.4, 255.9) | 0.0001555 (0.0001155, 0.0002005) | 0.04706 (0.03895, 0.05575) |
| Jawa Barat | Cervical cancer                               | 45  |                          |                                  |                            | 111.8 (77.9, 155.5)  | 0.0000876 (0.0000610, 0.0001219) | 0.02648 (0.01995, 0.03388) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                  |                             | Females                  |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Other malignant neoplasms                     | 45  | 374.2 (303.5, 463.1)       | 0.000277 (0.0002247, 0.0003428)  | 0.06134 (0.05481, 0.06843)  | 179.0 (134.7, 230.4)     | 0.0001402 (0.0001055, 0.0001806) | 0.04244 (0.03584, 0.05032) |
| Jawa Barat | Cerebrovascular disease                       | 45  | 904.2 (729.8, 1,108.6)     | 0.0006694 (0.0005403, 0.0008207) | 0.14823 (0.13800, 0.15884)  | 716.0 (563.9, 891.1)     | 0.000561 (0.0004418, 0.0006982)  | 0.1697 (0.15928, 0.18038)  |
| Jawa Barat | Ischemic heart disease                        | 45  | 1,382.5 (1,131.8, 1,685.6) | 0.0010235 (0.0008379, 0.0012479) | 0.22664 (0.21446, 0.23927)  | 746.6 (591.2, 931.3)     | 0.000585 (0.0004632, 0.0007297)  | 0.17698 (0.16587, 0.18813) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 45  | 226.3 (176.4, 285.9)       | 0.0001675 (0.0001306, 0.0002116) | 0.03709 (0.03173, 0.04312)  | 194.7 (149.4, 247.6)     | 0.0001526 (0.0001171, 0.0001940) | 0.04618 (0.04025, 0.05297) |
| Jawa Barat | Diabetes mellitus                             | 45  | 433.7 (343.9, 539.5)       | 0.000321 (0.0002546, 0.0003994)  | 0.07109 (0.06366, 0.07907)  | 481.6 (377.2, 599.0)     | 0.0003773 (0.0002956, 0.0004694) | 0.11419 (0.10465, 0.12605) |
| Jawa Barat | Chronic kidney disease                        | 45  | 202.2 (156.6, 257.3)       | 0.0001497 (0.0001160, 0.0001905) | 0.03316 (0.02821, 0.03906)  | 144.0 (108.3, 186.5)     | 0.0001128 (0.0000848, 0.0001461) | 0.03412 (0.02924, 0.03971) |
| Jawa Barat | Cirrhosis                                     | 45  | 397.9 (313.0, 496.0)       | 0.0002946 (0.0002317, 0.0003672) | 0.06522 (0.05759, 0.07278)  | 180.7 (140.1, 228.0)     | 0.0001416 (0.0001098, 0.0001787) | 0.04285 (0.03720, 0.04847) |
| Jawa Barat | Chronic respiratory diseases                  | 45  | 245.6 (194.3, 307.2)       | 0.0001818 (0.0001439, 0.0002275) | 0.04027 (0.03482, 0.04571)  | 117.9 (88.5, 151.0)      | 0.0000924 (0.0000694, 0.0001183) | 0.02795 (0.02403, 0.03234) |
| Jawa Barat | Other non-communicable diseases               | 45  | 369.6 (294.6, 454.7)       | 0.0002736 (0.0002181, 0.0003366) | 0.0606 (0.05457, 0.06710)   | 283.3 (216.8, 354.9)     | 0.000222 (0.0001698, 0.0002781)  | 0.06716 (0.06062, 0.07438) |
| Jawa Barat | Drowning                                      | 45  | 15.3 (7.9, 25.9)           | 0.0000113 (0.0000058, 0.0000192) | 0.00251 (0.00135, 0.00408)  | 6.1 (3.0, 10.5)          | 0.0000048 (0.0000024, 0.0000082) | 0.00144 (0.00074, 0.00242) |
| Jawa Barat | Falls                                         | 45  | 56.3 (37.8, 82.5)          | 0.0000416 (0.0000280, 0.0000611) | 0.00923 (0.00651, 0.01257)  | 26.2 (16.9, 37.7)        | 0.0000205 (0.0000132, 0.0000295) | 0.00622 (0.00428, 0.00849) |
| Jawa Barat | Interpersonal violence                        | 45  | 6.6 (3.4, 11.1)            | 0.0000049 (0.0000025, 0.0000082) | 0.00108 (0.00057, 0.00182)  | 3.3 (1.7, 5.6)           | 0.0000026 (0.0000013, 0.0000044) | 0.00077 (0.00042, 0.00129) |
| Jawa Barat | Self-harm                                     | 45  | 18.8 (11.9, 27.5)          | 0.0000139 (0.0000088, 0.0000203) | 0.00308 (0.00207, 0.00445)  | 7.4 (4.4, 11.4)          | 0.0000058 (0.0000035, 0.0000090) | 0.00175 (0.00111, 0.00262) |
| Jawa Barat | Transport injuries                            | 45  | 258.8 (198.7, 338.5)       | 0.0001916 (0.0001471, 0.0002506) | 0.04241 (0.03544, 0.05021)  | 79.6 (58.9, 103.7)       | 0.0000624 (0.0000461, 0.0000812) | 0.01889 (0.01523, 0.02273) |
| Jawa Barat | Other unintentional injuries                  | 45  | 64.9 (46.1, 87.8)          | 0.000048 (0.0000341, 0.0000650)  | 0.01065 (0.00793, 0.01391)  | 22.5 (15.0, 32.0)        | 0.0000176 (0.0000117, 0.0000251) | 0.00532 (0.00386, 0.00701) |
| Jawa Barat | Diarrheal diseases                            | 50  | 92.7 (67.3, 123.0)         | 0.0000847 (0.0000615, 0.0001124) | 0.01276 (0.00990, 0.01598)  | 97.5 (71.9, 129.6)       | 0.0000948 (0.0000699, 0.0001261) | 0.01923 (0.01526, 0.02338) |
| Jawa Barat | HIV/AIDS                                      | 50  | 6.1 (3.1, 10.8)            | 0.0000056 (0.0000029, 0.0000099) | 0.00084 (0.00046, 0.00146)  | 4.7 (2.5, 8.6)           | 0.0000046 (0.0000024, 0.0000083) | 0.00093 (0.00050, 0.00162) |
| Jawa Barat | Lower respiratory infections                  | 50  | 76.0 (56.1, 98.6)          | 0.0000694 (0.0000512, 0.0000901) | 0.01047 (0.00829, 0.01282)  | 57.4 (42.0, 75.1)        | 0.0000558 (0.0000408, 0.0000730) | 0.01131 (0.00919, 0.01377) |
| Jawa Barat | Malaria                                       | 50  | 2.3 (0.8, 5.6)             | 0.0000021 (0.0000007, 0.0000051) | 0.00032 (0.00011, 0.000075) | 1.3 (0.5, 3.2)           | 0.0000013 (0.0000004, 0.0000031) | 0.00026 (0.00009, 0.00062) |
| Jawa Barat | Tuberculosis                                  | 50  | 825.6 (656.2, 1,005.7)     | 0.0007544 (0.0005996, 0.0009189) | 0.11367 (0.10519, 0.12364)  | 461.5 (360.4, 575.5)     | 0.0004488 (0.0003505, 0.0005597) | 0.09099 (0.08302, 0.09977) |
| Jawa Barat | Maternal disorders                            | 50  |                            |                                  |                             | 4.0 (1.4, 9.8)           | 0.0000039 (0.0000013, 0.0000095) | 0.0008 (0.00029, 0.00193)  |
| Jawa Barat | Other communicable diseases                   | 50  | 206.5 (157.6, 260.7)       | 0.0001887 (0.0001440, 0.0002382) | 0.02845 (0.02397, 0.03308)  | 161.6 (123.7, 209.2)     | 0.0001572 (0.0001203, 0.0002035) | 0.03187 (0.02656, 0.03751) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 50  | 88.9 (59.4, 125.3)         | 0.0000813 (0.0000543, 0.0001145) | 0.01226 (0.00875, 0.01669)  | 23.6 (15.2, 34.8)        | 0.000023 (0.0000148, 0.0000338)  | 0.00465 (0.00326, 0.00658) |
| Jawa Barat | Breast cancer                                 | 50  | 5.1 (2.6, 9.0)             | 0.0000046 (0.0000024, 0.0000082) | 0.0007 (0.00038, 0.00117)   | 177.2 (133.2, 227.8)     | 0.0001723 (0.0001295, 0.0002215) | 0.03495 (0.02819, 0.04182) |
| Jawa Barat | Cervical cancer                               | 50  |                            |                                  |                             | 106.0 (73.2, 145.7)      | 0.0001031 (0.0000712, 0.0001417) | 0.02089 (0.01579, 0.02680) |
| Jawa Barat | Other malignant neoplasms                     | 50  | 339.6 (271.3, 427.1)       | 0.0003103 (0.0002479, 0.0003902) | 0.04676 (0.04202, 0.05221)  | 186.5 (140.3, 238.4)     | 0.0001813 (0.0001365, 0.0002318) | 0.03678 (0.03081, 0.04325) |
| Jawa Barat | Cerebrovascular disease                       | 50  | 1,259.7 (1,001.6, 1,536.5) | 0.001151 (0.0009151, 0.0014039)  | 0.17342 (0.16293, 0.18451)  | 993.6 (794.2, 1,227.2)   | 0.0009662 (0.0007723, 0.0011934) | 0.19593 (0.18558, 0.20659) |
| Jawa Barat | Ischemic heart disease                        | 50  | 1,702.8 (1,383.7, 2,058.7) | 0.0015559 (0.0012643, 0.0018811) | 0.23442 (0.22216, 0.24711)  | 905.6 (719.2, 1,115.6)   | 0.0008807 (0.0006994, 0.0010849) | 0.17859 (0.16785, 0.18943) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 50  | 307.4 (238.0, 384.0)       | 0.0002808 (0.0002175, 0.0003509) | 0.04232 (0.03655, 0.04817)  | 266.8 (209.2, 335.3)     | 0.0002594 (0.0002035, 0.0003261) | 0.05262 (0.04644, 0.05933) |
| Jawa Barat | Diabetes mellitus                             | 50  | 595.9 (470.5, 736.3)       | 0.0005445 (0.0004299, 0.0006728) | 0.08202 (0.07375, 0.09057)  | 661.6 (523.3, 818.3)     | 0.0006434 (0.0005089, 0.0007958) | 0.13048 (0.12001, 0.14234) |
| Jawa Barat | Chronic kidney disease                        | 50  | 218.3 (169.3, 283.2)       | 0.0001995 (0.0001547, 0.0002588) | 0.03006 (0.02564, 0.03557)  | 156.4 (120.3, 202.4)     | 0.0001521 (0.0001170, 0.0001968) | 0.03084 (0.02658, 0.03581) |
| Jawa Barat | Cirrhosis                                     | 50  | 434.4 (341.5, 542.5)       | 0.0003969 (0.0003120, 0.0004957) | 0.05979 (0.05305, 0.06693)  | 199.6 (157.2, 249.0)     | 0.0001941 (0.0001528, 0.0002421) | 0.03936 (0.03486, 0.04446) |
| Jawa Barat | Chronic respiratory diseases                  | 50  | 340.2 (267.4, 425.9)       | 0.0003108 (0.0002443, 0.0003892) | 0.04684 (0.04112, 0.05294)  | 171.1 (131.2, 219.1)     | 0.0001664 (0.0001276, 0.0002131) | 0.03374 (0.02948, 0.03849) |
| Jawa Barat | Other non-communicable diseases               | 50  | 403.7 (320.1, 498.2)       | 0.0003689 (0.0002924, 0.0004552) | 0.05558 (0.04963, 0.06137)  | 311.5 (241.7, 389.7)     | 0.0003029 (0.0002350, 0.0003790) | 0.06141 (0.05511, 0.06740) |
| Jawa Barat | Drowning                                      | 50  | 11.5 (6.0, 19.6)           | 0.0000105 (0.0000055, 0.0000179) | 0.00158 (0.00084, 0.00263)  | 4.6 (2.3, 8.0)           | 0.0000044 (0.0000023, 0.0000078) | 0.0009 (0.00047, 0.00159)  |
| Jawa Barat | Falls                                         | 50  | 65.3 (44.8, 88.5)          | 0.0000597 (0.0000410, 0.0000809) | 0.009 (0.00672, 0.01186)    | 30.1 (21.0, 42.5)        | 0.0000293 (0.0000205, 0.0000413) | 0.00594 (0.00444, 0.00783) |
| Jawa Barat | Interpersonal violence                        | 50  | 5.1 (2.8, 8.7)             | 0.0000047 (0.0000025, 0.0000079) | 0.00071 (0.00038, 0.00118)  | 2.5 (1.3, 4.2)           | 0.0000024 (0.0000013, 0.0000041) | 0.00049 (0.00027, 0.00084) |
| Jawa Barat | Self-harm                                     | 50  | 16.3 (10.3, 24.5)          | 0.0000149 (0.0000095, 0.0000224) | 0.00224 (0.00149, 0.00323)  | 6.2 (3.7, 9.7)           | 0.0000061 (0.0000036, 0.0000095) | 0.00123 (0.00078, 0.00186) |
| Jawa Barat | Transport injuries                            | 50  | 206.4 (156.8, 268.8)       | 0.0001886 (0.0001433, 0.0002456) | 0.02841 (0.02350, 0.03405)  | 62.1 (45.0, 81.4)        | 0.0000604 (0.0000438, 0.0000791) | 0.01225 (0.00982, 0.01490) |
| Jawa Barat | Other unintentional injuries                  | 50  | 53.5 (37.5, 72.1)          | 0.0000489 (0.0000342, 0.0000658) | 0.00737 (0.00551, 0.00949)  | 18.1 (12.4, 25.7)        | 0.0000176 (0.0000120, 0.0000249) | 0.00357 (0.00263, 0.00480) |
| Jawa Barat | Diarrheal diseases                            | 55  | 112.8 (82.7, 150.0)        | 0.0001355 (0.0000994, 0.0001803) | 0.0138 (0.01091, 0.01721)   | 113.4 (84.2, 149.0)      | 0.0001539 (0.0001143, 0.0002023) | 0.01998 (0.01630, 0.02431) |
| Jawa Barat | HIV/AIDS                                      | 55  | 2.9 (1.2, 5.9)             | 0.0000035 (0.0000015, 0.0000071) | 0.00036 (0.00016, 0.00069)  | 2.2 (0.9, 4.1)           | 0.000003 (0.0000012, 0.0000056)  | 0.00038 (0.00017, 0.00073) |
| Jawa Barat | Lower respiratory infections                  | 55  | 83.9 (62.1, 108.7)         | 0.0001008 (0.0000747, 0.0001306) | 0.01026 (0.00831, 0.01221)  | 65.4 (48.3, 86.0)        | 0.0000888 (0.0000655, 0.0001168) | 0.01153 (0.00936, 0.01385) |
| Jawa Barat | Malaria                                       | 55  | 2.6 (1.0, 6.3)             | 0.0000032 (0.0000011, 0.0000075) | 0.00032 (0.00012, 0.00073)  | 1.4 (0.5, 3.4)           | 0.0000019 (0.0000006, 0.0000046) | 0.00024 (0.00008, 0.00059) |
| Jawa Barat | Tuberculosis                                  | 55  | 782.9 (613.0, 956.3)       | 0.0009408 (0.0007366, 0.0011491) | 0.09574 (0.08782, 0.10376)  | 442.3 (348.3, 549.5)     | 0.0006004 (0.0004729, 0.0007460) | 0.07797 (0.07074, 0.08556) |
| Jawa Barat | Other communicable diseases                   | 55  | 219.0 (165.4, 284.5)       | 0.0002632 (0.0001988, 0.0003419) | 0.02678 (0.02269, 0.03142)  | 165.3 (129.3, 213.3)     | 0.0002244 (0.0001682, 0.0002895) | 0.02916 (0.02403, 0.03488) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 55  | 87.1 (61.4, 121.2)         | 0.0001046 (0.0000738, 0.0001456) | 0.01065 (0.00789, 0.01392)  | 22.6 (14.4, 32.9)        | 0.0000307 (0.0000195, 0.0000447) | 0.00399 (0.00275, 0.00555) |
| Jawa Barat | Breast cancer                                 | 55  | 6.6 (3.2, 12.1)            | 0.0000079 (0.0000038, 0.0000145) | 0.0008 (0.00040, 0.00145)   | 143.1 (105.8, 185.5)     | 0.0001943 (0.0001437, 0.0002518) | 0.02525 (0.02039, 0.03043) |
| Jawa Barat | Cervical cancer                               | 55  |                            |                                  |                             | 90.5 (60.7, 127.2)       | 0.0001228 (0.0000824, 0.0001727) | 0.01594 (0.01143, 0.02086) |
| Jawa Barat | Other malignant neoplasms                     | 55  | 373.8 (286.5, 465.5)       | 0.0004491 (0.0003442, 0.0005593) | 0.04569 (0.04022, 0.05129)  | 170.6 (130.7, 218.5)     | 0.0002316 (0.0001774, 0.0002966) | 0.03009 (0.02511, 0.03498) |
| Jawa Barat | Cerebrovascular disease                       | 55  | 1,605.6 (1,274.9, 1,956.4) | 0.0019293 (0.0015320, 0.0023509) | 0.19633 (0.18551, 0.20751)  | 1,252.2 (996.5, 1,518.8) | 0.0016999 (0.0013529, 0.0020618) | 0.2208 (0.21039, 0.23169)  |
| Jawa Barat | Ischemic heart disease                        | 55  | 1,879.0 (1,480.9, 2,301.4) | 0.0022579 (0.0017795, 0.0027654) | 0.22979 (0.21896, 0.24131)  | 1,088.4 (865.7, 1,322.2) | 0.0014776 (0.0011752, 0.0017950) | 0.19194 (0.18198, 0.20222) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 55  | 410.8 (317.9, 511.8)       | 0.0004936 (0.0003820, 0.0006150) | 0.05022 (0.04449, 0.05680)  | 326.8 (256.1, 405.6)     | 0.0004437 (0.0003476, 0.0005506) | 0.05766 (0.05130, 0.06461) |
| Jawa Barat | Diabetes mellitus                             | 55  | 704.3 (549.7, 872.0)       | 0.0008463 (0.0006605, 0.0010479) | 0.0861 (0.07810, 0.09516)   | 764.9 (603.4, 939.1)     | 0.0010384 (0.0008192, 0.0012748) | 0.13486 (0.12448, 0.14579) |
| Jawa Barat | Chronic kidney disease                        | 55  | 235.9 (181.2, 304.4)       | 0.0002835 (0.0002177, 0.0003658) | 0.02885 (0.02457, 0.03398)  | 164.2 (125.9, 210.3)     | 0.0002229 (0.0001709, 0.0002855) | 0.02895 (0.02479, 0.03360) |
| Jawa Barat | Cirrhosis                                     | 55  | 431.2 (340.8, 546.3)       | 0.0005182 (0.0004096, 0.0006564) | 0.05274 (0.04665, 0.05942)  | 197.2 (153.2, 244.6)     | 0.0002677 (0.0002080, 0.0003321) | 0.03478 (0.03061, 0.03966) |
| Jawa Barat | Chronic respiratory diseases                  | 55  | 475.5 (374.3, 599.0)       | 0.0005713 (0.0004498, 0.0007198) | 0.05816 (0.05161, 0.06490)  | 208.2 (161.0, 261.0)     | 0.0002826 (0.0002185, 0.0003544) | 0.03671 (0.03227, 0.04139) |
| Jawa Barat | Other non-communicable diseases               | 55  | 474.3 (376.5, 580.5)       | 0.0005699 (0.0004524, 0.0006976) | 0.05801 (0.05284, 0.06365)  | 350.3 (274.5, 439.3)     | 0.0004756 (0.0003726, 0.0005964) | 0.06176 (0.05635, 0.06779) |
| Jawa Barat | Drowning                                      | 55  | 8.6 (4.2, 16.6)            | 0.0000104 (0.0000050, 0.0000199) | 0.00105 (0.00054, 0.00193)  | 3.5 (1.7, 6.7)           | 0.0000047 (0.0000023, 0.0000090) | 0.00062 (0.00030, 0.00115) |
| Jawa Barat | Falls                                         | 55  | 72.6 (50.2, 103.0)         | 0.0000873 (0.0000603, 0.0001237) | 0.00888 (0.00669, 0.01169)  | 33.7 (23.5, 46.9)        | 0.0000458 (0.0000319, 0.0000636) | 0.00595 (0.00441, 0.00774) |
| Jawa Barat | Interpersonal violence                        | 55  | 4.2 (2.1, 7.4)             | 0.0000051 (0.0000025, 0.0000089) | 0.00052 (0.00027, 0.00088)  | 1.9 (1.0, 3.4)           | 0.0000026 (0.0000013, 0.0000046) | 0.00034 (0.00018, 0.00059) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                   |                            |
|------------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|-----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                |
| Jawa Barat | Self-harm                                     | 55  | 15.5 (9.5, 23.8)           | 0.000186 (0.0000114, 0.0000285)  | 0.00189 (0.00124, 0.00274) | 5.5 (3.2, 8.6)             | 0.0000075 (0.0000044, 0.0000117)  | 0.00098 (0.00061, 0.00150) |
| Jawa Barat | Transport injuries                            | 55  | 142.8 (102.5, 189.9)       | 0.0001716 (0.0001232, 0.0002282) | 0.01746 (0.01383, 0.02097) | 42.4 (30.1, 56.8)          | 0.0000575 (0.0000408, 0.0000771)  | 0.00747 (0.00573, 0.00921) |
| Jawa Barat | Other unintentional injuries                  | 55  | 45.7 (30.1, 65.8)          | 0.0000549 (0.0000362, 0.0000790) | 0.00559 (0.00396, 0.00740) | 15.0 (9.7, 21.4)           | 0.0000204 (0.0000131, 0.0000291)  | 0.00265 (0.00184, 0.00364) |
| Jawa Barat | Diarrheal diseases                            | 60  | 141.5 (105.5, 186.1)       | 0.0002562 (0.0001909, 0.0003368) | 0.01515 (0.01221, 0.01829) | 149.5 (112.0, 192.6)       | 0.0002659 (0.0001992, 0.0003424)  | 0.02133 (0.01747, 0.02554) |
| Jawa Barat | HIV/AIDS                                      | 60  | 2.2 (0.8, 4.8)             | 0.000004 (0.0000014, 0.0000087)  | 0.00024 (0.00009, 0.00051) | 1.8 (0.7, 3.7)             | 0.0000032 (0.0000012, 0.0000065)  | 0.00026 (0.00010, 0.00052) |
| Jawa Barat | Lower respiratory infections                  | 60  | 120.2 (91.0, 154.8)        | 0.0002175 (0.0001647, 0.0002801) | 0.01286 (0.01057, 0.01534) | 107.8 (82.4, 136.5)        | 0.0001917 (0.0001465, 0.0002426)  | 0.01538 (0.01274, 0.01810) |
| Jawa Barat | Malaria                                       | 60  | 3.1 (1.2, 7.2)             | 0.0000057 (0.0000021, 0.0000131) | 0.00034 (0.00013, 0.00073) | 1.6 (0.5, 3.9)             | 0.0000029 (0.0000010, 0.0000070)  | 0.00023 (0.00008, 0.00055) |
| Jawa Barat | Tuberculosis                                  | 60  | 983.9 (775.3, 1,195.0)     | 0.0017807 (0.0014031, 0.0021627) | 0.10526 (0.09758, 0.11354) | 618.9 (499.3, 761.3)       | 0.0011004 (0.0008878, 0.0013536)  | 0.08829 (0.08095, 0.09620) |
| Jawa Barat | Other communicable diseases                   | 60  | 195.7 (145.9, 253.6)       | 0.0003541 (0.0002641, 0.0004590) | 0.02094 (0.01714, 0.02504) | 157.6 (116.5, 204.9)       | 0.0002802 (0.0002071, 0.0003643)  | 0.02246 (0.01818, 0.02696) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 60  | 93.5 (64.1, 133.2)         | 0.0001692 (0.0001160, 0.0002410) | 0.01 (0.00721, 0.01359)    | 24.4 (15.4, 35.5)          | 0.0000433 (0.0000274, 0.0000631)  | 0.00348 (0.00230, 0.00492) |
| Jawa Barat | Breast cancer                                 | 60  | 6.8 (2.7, 13.7)            | 0.0000123 (0.0000049, 0.0000248) | 0.00073 (0.00030, 0.00144) | 115.7 (85.4, 150.8)        | 0.0002057 (0.0001518, 0.0002682)  | 0.01651 (0.01298, 0.02060) |
| Jawa Barat | Cervical cancer                               | 60  |                            |                                  |                            | 97.8 (69.5, 132.5)         | 0.0001739 (0.0001236, 0.0002355)  | 0.01394 (0.01054, 0.01768) |
| Jawa Barat | Other malignant neoplasms                     | 60  | 397.6 (308.2, 498.6)       | 0.0007195 (0.0005577, 0.0009023) | 0.04251 (0.03689, 0.04873) | 186.7 (145.4, 231.0)       | 0.000332 (0.0002585, 0.0004108)   | 0.02665 (0.02254, 0.03134) |
| Jawa Barat | Cerebrovascular disease                       | 60  | 1,934.9 (1,562.8, 2,341.1) | 0.0035017 (0.0028285, 0.0042370) | 0.20697 (0.19573, 0.21822) | 1,653.6 (1,358.4, 1,999.1) | 0.0029403 (0.0024154, 0.0035546)  | 0.23593 (0.22491, 0.24772) |
| Jawa Barat | Ischemic heart disease                        | 60  | 2,011.7 (1,604.1, 2,383.5) | 0.0036409 (0.0029031, 0.0043137) | 0.21527 (0.20375, 0.22710) | 1,351.1 (1,099.1, 1,640.8) | 0.0024024 (0.0019543, 0.0029175)  | 0.19278 (0.18204, 0.20340) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 60  | 511.0 (397.0, 635.8)       | 0.0009248 (0.0007186, 0.0011507) | 0.05466 (0.04815, 0.06145) | 422.0 (337.2, 511.9)       | 0.0007503 (0.0005996, 0.0009103)  | 0.06023 (0.05337, 0.06712) |
| Jawa Barat | Diabetes mellitus                             | 60  | 695.6 (540.6, 863.2)       | 0.0012589 (0.0009784, 0.0015623) | 0.07438 (0.06715, 0.08215) | 824.5 (667.4, 996.8)       | 0.0014661 (0.0011866, 0.0017725)  | 0.11764 (0.10800, 0.12714) |
| Jawa Barat | Chronic kidney disease                        | 60  | 241.3 (186.3, 306.9)       | 0.0004368 (0.0003371, 0.0005555) | 0.02582 (0.02188, 0.03004) | 180.2 (141.5, 231.7)       | 0.0003204 (0.0002516, 0.0004121)  | 0.02571 (0.02182, 0.02964) |
| Jawa Barat | Cirrhosis                                     | 60  | 404.2 (315.6, 500.6)       | 0.0007315 (0.0005712, 0.0009059) | 0.04325 (0.03835, 0.04882) | 204.6 (162.0, 254.7)       | 0.0003638 (0.0002881, 0.0004529)  | 0.0292 (0.02568, 0.03317)  |
| Jawa Barat | Chronic respiratory diseases                  | 60  | 760.6 (603.0, 938.4)       | 0.0013766 (0.0010913, 0.0016984) | 0.08139 (0.07389, 0.08928) | 343.4 (281.9, 423.0)       | 0.0006105 (0.0005013, 0.0007522)  | 0.04901 (0.04396, 0.05467) |
| Jawa Barat | Other non-communicable diseases               | 60  | 593.1 (475.6, 726.0)       | 0.0010735 (0.0008608, 0.0013140) | 0.06347 (0.05808, 0.06995) | 468.9 (376.9, 568.8)       | 0.0008338 (0.0006701, 0.0010114)  | 0.0669 (0.06113, 0.07309)  |
| Jawa Barat | Drowning                                      | 60  | 6.6 (3.1, 12.5)            | 0.0000119 (0.0000056, 0.0000226) | 0.0007 (0.00032, 0.00129)  | 3.1 (1.3, 6.0)             | 0.0000056 (0.0000023, 0.0000107)  | 0.00045 (0.00019, 0.00086) |
| Jawa Barat | Falls                                         | 60  | 63.2 (43.8, 88.7)          | 0.0001144 (0.0000793, 0.0001605) | 0.00676 (0.00498, 0.00878) | 33.5 (23.7, 46.3)          | 0.0000595 (0.0000422, 0.0000824)  | 0.00478 (0.00357, 0.00619) |
| Jawa Barat | Interpersonal violence                        | 60  | 3.2 (1.5, 5.6)             | 0.0000057 (0.0000028, 0.0000102) | 0.00034 (0.00017, 0.00059) | 1.5 (0.8, 2.9)             | 0.0000027 (0.0000013, 0.0000051)  | 0.00022 (0.00011, 0.00041) |
| Jawa Barat | Self-harm                                     | 60  | 13.2 (8.0, 20.7)           | 0.0000239 (0.0000146, 0.0000374) | 0.00141 (0.00091, 0.00213) | 4.9 (3.0, 8.1)             | 0.0000088 (0.0000053, 0.0000144)  | 0.0007 (0.00044, 0.00109)  |
| Jawa Barat | Transport injuries                            | 60  | 124.9 (93.6, 167.6)        | 0.000226 (0.0001694, 0.0003034)  | 0.01335 (0.01065, 0.01642) | 41.4 (30.2, 55.3)          | 0.0000735 (0.0000537, 0.0000983)  | 0.0059 (0.00459, 0.00743)  |
| Jawa Barat | Other unintentional injuries                  | 60  | 39.1 (25.8, 55.6)          | 0.0000709 (0.0000466, 0.0001007) | 0.00419 (0.00298, 0.00561) | 14.1 (9.4, 20.2)           | 0.000025 (0.0000166, 0.0000359)   | 0.00201 (0.00142, 0.00280) |
| Jawa Barat | Diarrheal diseases                            | 65  | 243.1 (185.3, 312.3)       | 0.0005777 (0.0004403, 0.0007420) | 0.02427 (0.02019, 0.02876) | 259.9 (202.4, 330.7)       | 0.0006014 (0.0004682, 0.0007652)  | 0.03376 (0.02866, 0.03908) |
| Jawa Barat | HIV/AIDS                                      | 65  | 2.2 (0.9, 4.6)             | 0.0000053 (0.0000021, 0.0000109) | 0.00022 (0.00009, 0.00046) | 1.8 (0.7, 3.7)             | 0.0000042 (0.0000017, 0.0000084)  | 0.00024 (0.00010, 0.00047) |
| Jawa Barat | Lower respiratory infections                  | 65  | 146.0 (109.8, 191.4)       | 0.0003469 (0.0002608, 0.0004547) | 0.01457 (0.01181, 0.01742) | 139.2 (109.1, 177.4)       | 0.0003221 (0.0002523, 0.0004106)  | 0.01808 (0.01515, 0.02140) |
| Jawa Barat | Malaria                                       | 65  | 3.4 (1.2, 7.6)             | 0.0000081 (0.0000029, 0.0000181) | 0.00034 (0.00012, 0.00074) | 1.7 (0.6, 4.1)             | 0.0000039 (0.0000013, 0.0000095)  | 0.00022 (0.00007, 0.00052) |
| Jawa Barat | Tuberculosis                                  | 65  | 1,089.0 (869.0, 1,320.9)   | 0.0025879 (0.0020650, 0.0031388) | 0.10868 (0.10099, 0.11701) | 677.4 (552.4, 837.6)       | 0.0015675 (0.0012782, 0.0019380)  | 0.08796 (0.08105, 0.09605) |
| Jawa Barat | Other communicable diseases                   | 65  | 195.8 (144.2, 254.3)       | 0.0004652 (0.0003427, 0.0006043) | 0.01954 (0.01596, 0.02364) | 163.3 (122.8, 212.8)       | 0.0003778 (0.0002841, 0.0004925)  | 0.0212 (0.01721, 0.02557)  |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 65  | 78.5 (54.1, 113.4)         | 0.0001866 (0.0001287, 0.0002695) | 0.00784 (0.00566, 0.01056) | 20.6 (12.6, 31.0)          | 0.0000477 (0.0000293, 0.0000717)  | 0.00268 (0.00177, 0.00391) |
| Jawa Barat | Breast cancer                                 | 65  | 5.3 (1.9, 11.7)            | 0.0000126 (0.0000044, 0.0000279) | 0.00053 (0.00019, 0.00112) | 84.0 (61.0, 113.4)         | 0.0001945 (0.0001412, 0.0002625)  | 0.01092 (0.00841, 0.01381) |
| Jawa Barat | Cervical cancer                               | 65  |                            |                                  |                            | 79.8 (54.4, 111.7)         | 0.0001847 (0.0001258, 0.0002585)  | 0.01036 (0.00756, 0.01387) |
| Jawa Barat | Other malignant neoplasms                     | 65  | 333.2 (250.4, 422.1)       | 0.0007919 (0.0005950, 0.0010031) | 0.03324 (0.02837, 0.03831) | 183.6 (140.4, 236.7)       | 0.0004247 (0.0003250, 0.0005477)  | 0.02385 (0.01998, 0.02825) |
| Jawa Barat | Cerebrovascular disease                       | 65  | 2,165.6 (1,743.3, 2,622.7) | 0.005146 (0.0041426, 0.0062322)  | 0.2161 (0.20396, 0.22726)  | 1,925.3 (1,589.8, 2,372.8) | 0.0044549 (0.0036786, 0.0054905)  | 0.25001 (0.23848, 0.26191) |
| Jawa Barat | Ischemic heart disease                        | 65  | 2,117.3 (1,688.2, 2,546.1) | 0.0050312 (0.0040117, 0.0060503) | 0.21129 (0.19986, 0.22247) | 1,441.3 (1,171.3, 1,777.0) | 0.0033351 (0.0027103, 0.0041119)  | 0.18715 (0.17522, 0.19795) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 65  | 607.8 (479.3, 759.2)       | 0.0014443 (0.0011389, 0.0018041) | 0.06065 (0.05368, 0.06770) | 514.2 (419.0, 641.2)       | 0.0011898 (0.0009694, 0.0014836)  | 0.06679 (0.05979, 0.07422) |
| Jawa Barat | Diabetes mellitus                             | 65  | 599.7 (466.1, 745.4)       | 0.0014251 (0.0011077, 0.0017712) | 0.05982 (0.05361, 0.06610) | 736.3 (590.8, 908.3)       | 0.0017037 (0.0013670, 0.0021016)  | 0.0956 (0.08721, 0.10405)  |
| Jawa Barat | Chronic kidney disease                        | 65  | 243.5 (187.0, 313.8)       | 0.0005785 (0.0004445, 0.0007456) | 0.0243 (0.02024, 0.02831)  | 183.4 (143.8, 237.0)       | 0.0004243 (0.0003327, 0.0005485)  | 0.02381 (0.02041, 0.02754) |
| Jawa Barat | Cirrhosis                                     | 65  | 337.0 (258.6, 427.7)       | 0.0008007 (0.0006145, 0.0010163) | 0.03362 (0.02940, 0.03859) | 180.5 (143.4, 225.5)       | 0.0004176 (0.0003318, 0.0005219)  | 0.02344 (0.02037, 0.02684) |
| Jawa Barat | Chronic respiratory diseases                  | 65  | 910.4 (721.2, 1,113.7)     | 0.0021633 (0.0017139, 0.0026464) | 0.09085 (0.08284, 0.09935) | 426.9 (345.0, 532.7)       | 0.0009877 (0.0007984, 0.0012326)  | 0.05544 (0.05027, 0.06153) |
| Jawa Barat | Other non-communicable diseases               | 65  | 716.3 (565.3, 878.8)       | 0.0017021 (0.0013434, 0.0020884) | 0.07147 (0.06525, 0.07831) | 585.5 (471.6, 725.4)       | 0.0013548 (0.0010912, 0.0016785)  | 0.07602 (0.06972, 0.08270) |
| Jawa Barat | Drowning                                      | 65  | 5.3 (2.3, 10.5)            | 0.0000126 (0.0000054, 0.0000249) | 0.00053 (0.00024, 0.00102) | 2.9 (1.2, 5.5)             | 0.0000066 (0.0000028, 0.0000128)  | 0.00037 (0.00016, 0.00071) |
| Jawa Barat | Falls                                         | 65  | 66.0 (46.3, 92.9)          | 0.0001569 (0.0001101, 0.0002207) | 0.00659 (0.00489, 0.00861) | 38.0 (27.0, 52.7)          | 0.0000088 (0.00000625, 0.0001220) | 0.00494 (0.00374, 0.00643) |
| Jawa Barat | Interpersonal violence                        | 65  | 2.5 (1.1, 4.8)             | 0.000006 (0.0000026, 0.0000114)  | 0.00025 (0.00011, 0.00047) | 1.2 (0.5, 2.4)             | 0.0000027 (0.0000012, 0.0000055)  | 0.00015 (0.00007, 0.00030) |
| Jawa Barat | Self-harm                                     | 65  | 12.3 (7.1, 19.8)           | 0.0000291 (0.0000169, 0.0000470) | 0.00122 (0.00075, 0.00188) | 4.3 (2.5, 7.1)             | 0.00001 (0.0000058, 0.0000165)    | 0.00056 (0.00034, 0.00089) |
| Jawa Barat | Transport injuries                            | 65  | 104.6 (74.6, 142.5)        | 0.0002485 (0.0001772, 0.0003387) | 0.01043 (0.00818, 0.01314) | 36.4 (25.3, 50.1)          | 0.0000842 (0.0000585, 0.0001160)  | 0.00472 (0.00353, 0.00616) |
| Jawa Barat | Other unintentional injuries                  | 65  | 36.4 (23.7, 51.5)          | 0.0000864 (0.0000564, 0.0001224) | 0.00363 (0.00258, 0.00491) | 13.3 (8.8, 18.9)           | 0.0000308 (0.0000203, 0.0000437)  | 0.00173 (0.00121, 0.00237) |
| Jawa Barat | Diarrheal diseases                            | 70  | 356.5 (278.7, 444.4)       | 0.0012765 (0.0009977, 0.0015912) | 0.03371 (0.02939, 0.03815) | 433.4 (348.9, 541.5)       | 0.0013432 (0.0010813, 0.0016781)  | 0.04539 (0.03967, 0.05079) |
| Jawa Barat | HIV/AIDS                                      | 70  | 3.1 (1.3, 6.8)             | 0.0000112 (0.0000046, 0.0000244) | 0.00029 (0.00013, 0.00062) | 3.0 (1.3, 6.1)             | 0.0000092 (0.0000040, 0.0000188)  | 0.00031 (0.00014, 0.00062) |
| Jawa Barat | Lower respiratory infections                  | 70  | 197.5 (147.5, 255.3)       | 0.0007069 (0.0005281, 0.0009141) | 0.01867 (0.01533, 0.02218) | 228.7 (176.6, 293.5)       | 0.0007086 (0.0005473, 0.0009095)  | 0.02395 (0.02001, 0.02777) |
| Jawa Barat | Malaria                                       | 70  | 3.3 (1.2, 7.5)             | 0.0000117 (0.0000041, 0.0000270) | 0.00031 (0.00011, 0.00067) | 1.7 (0.6, 4.3)             | 0.0000054 (0.0000018, 0.0000134)  | 0.00018 (0.00006, 0.00044) |
| Jawa Barat | Tuberculosis                                  | 70  | 1,187.5 (952.1, 1,427.0)   | 0.0042517 (0.0034088, 0.0051089) | 0.11229 (0.10452, 0.12052) | 852.3 (700.2, 1,049.2)     | 0.002641 (0.0021698, 0.0032513)   | 0.08924 (0.08211, 0.09681) |
| Jawa Barat | Other communicable diseases                   | 70  | 212.4 (158.8, 276.3)       | 0.0007605 (0.0005686, 0.0009894) | 0.02008 (0.01669, 0.02419) | 205.4 (157.6, 270.3)       | 0.0006366 (0.0004885, 0.0008377)  | 0.02151 (0.01767, 0.02573) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 70  | 69.4 (45.3, 102.9)         | 0.0002486 (0.0001623, 0.0003686) | 0.00657 (0.00469, 0.00917) | 21.1 (12.6, 32.8)          | 0.0000654 (0.0000391, 0.0001017)  | 0.00221 (0.00140, 0.00332) |
| Jawa Barat | Breast cancer                                 | 70  | 3.5 (1.1, 8.3)             | 0.0000125 (0.0000041, 0.0000298) | 0.00033 (0.00011, 0.00074) | 59.3 (40.7, 82.7)          | 0.0001839 (0.0001262, 0.0002562)  | 0.00621 (0.00456, 0.00808) |
| Jawa Barat | Cervical cancer                               | 70  |                            |                                  |                            | 60.8 (39.8, 88.0)          | 0.0001883 (0.0001234, 0.0002728)  | 0.00636 (0.00432, 0.00871) |
| Jawa Barat | Other malignant neoplasms                     | 70  | 259.5 (199.2, 333.1)       | 0.0009289 (0.0007131, 0.0011926) | 0.02453 (0.02100, 0.02887) | 173.3 (133.6, 220.7)       | 0.0005372 (0.0004141, 0.0006840)  | 0.01816 (0.01510, 0.02163) |
| Jawa Barat | Cerebrovascular disease                       | 70  | 2,291.1 (1,835.7, 2,762.1) | 0.0082028 (0.0065723, 0.0098891) | 0.21662 (0.20543, 0.22820) | 2,452.6 (2,066.9, 2,985.1) | 0.0076002 (0.0064051, 0.0092503)  | 0.25683 (0.24529, 0.26896) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                   |                            | Females                    |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat | Ischemic heart disease                        | 70  | 2,128.3 (1,700.7, 2,547.0) | 0.00762 (0.0060888, 0.0091189)    | 0.20127 (0.18943, 0.21289) | 1,781.8 (1,474.8, 2,163.1) | 0.0055216 (0.0045701, 0.0067030) | 0.18661 (0.17549, 0.19701) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 70  | 688.2 (534.3, 858.5)       | 0.0024639 (0.0019131, 0.0030736)  | 0.06506 (0.05720, 0.07302) | 674.3 (553.6, 841.2)       | 0.0020897 (0.0017155, 0.0026068) | 0.07063 (0.06338, 0.07829) |
| Jawa Barat | Diabetes mellitus                             | 70  | 460.7 (361.9, 571.2)       | 0.0016493 (0.0012957, 0.0020452)  | 0.04355 (0.03899, 0.04889) | 677.3 (551.4, 839.3)       | 0.002099 (0.0017088, 0.0026007)  | 0.07092 (0.06426, 0.07821) |
| Jawa Barat | Chronic kidney disease                        | 70  | 219.3 (167.0, 285.8)       | 0.0007852 (0.0005978, 0.0010232)  | 0.02074 (0.01718, 0.02448) | 193.2 (151.4, 248.9)       | 0.0005988 (0.0004691, 0.0007714) | 0.02023 (0.01718, 0.02383) |
| Jawa Barat | Cirrhosis                                     | 70  | 290.6 (224.7, 366.0)       | 0.0010403 (0.0008046, 0.0013104)  | 0.02747 (0.02376, 0.03176) | 189.4 (148.1, 238.4)       | 0.000587 (0.0004588, 0.0007389)  | 0.01984 (0.01715, 0.02279) |
| Jawa Barat | Chronic respiratory diseases                  | 70  | 1,162.9 (927.6, 1,412.4)   | 0.0041633 (0.0033212, 0.0050568)  | 0.10997 (0.10055, 0.11921) | 633.4 (513.5, 782.0)       | 0.0019627 (0.0015911, 0.0024234) | 0.06633 (0.06022, 0.07302) |
| Jawa Barat | Other non-communicable diseases               | 70  | 818.3 (651.3, 999.9)       | 0.0029297 (0.0023319, 0.0035797)  | 0.07736 (0.07066, 0.08513) | 791.7 (650.0, 967.2)       | 0.0024534 (0.0020144, 0.0029971) | 0.08289 (0.07608, 0.08983) |
| Jawa Barat | Drowning                                      | 70  | 8.6 (4.2, 15.7)            | 0.0000306 (0.0000150, 0.0000563)  | 0.00081 (0.00041, 0.00143) | 5.8 (3.1, 10.2)            | 0.000018 (0.0000095, 0.0000317)  | 0.00061 (0.00033, 0.00105) |
| Jawa Barat | Falls                                         | 70  | 71.2 (49.3, 98.1)          | 0.0002548 (0.0001765, 0.0003511)  | 0.00673 (0.00496, 0.00885) | 50.3 (35.5, 69.0)          | 0.0001558 (0.0001101, 0.0002138) | 0.00526 (0.00399, 0.00668) |
| Jawa Barat | Interpersonal violence                        | 70  | 1.8 (0.7, 3.7)             | 0.0000065 (0.0000026, 0.0000132)  | 0.00017 (0.00007, 0.00034) | 1.0 (0.4, 2.1)             | 0.0000029 (0.0000012, 0.0000064) | 0.0001 (0.00004, 0.00021)  |
| Jawa Barat | Self-harm                                     | 70  | 10.5 (5.9, 17.0)           | 0.0000374 (0.0000211, 0.0000607)  | 0.00099 (0.00059, 0.00156) | 4.1 (2.3, 7.0)             | 0.0000126 (0.0000070, 0.0000217) | 0.00043 (0.00024, 0.00070) |
| Jawa Barat | Transport injuries                            | 70  | 97.1 (68.8, 131.9)         | 0.0003475 (0.0002462, 0.0004723)  | 0.00918 (0.00710, 0.01174) | 40.4 (28.6, 55.7)          | 0.0001252 (0.0000886, 0.0001725) | 0.00423 (0.00322, 0.00545) |
| Jawa Barat | Other unintentional injuries                  | 70  | 34.9 (22.9, 49.6)          | 0.000125 (0.0000820, 0.0001775)   | 0.0033 (0.00235, 0.00443)  | 14.9 (9.6, 21.7)           | 0.0000461 (0.0000298, 0.0000672) | 0.00156 (0.00106, 0.00221) |
| Jawa Barat | Diarrheal diseases                            | 75  | 310.6 (242.8, 385.4)       | 0.0021452 (0.0016770, 0.0026616)  | 0.04133 (0.03530, 0.04690) | 449.5 (358.0, 567.8)       | 0.002412 (0.0019211, 0.0030472)  | 0.05316 (0.04679, 0.05949) |
| Jawa Barat | HIV/AIDS                                      | 75  | 1.8 (0.7, 4.0)             | 0.0000124 (0.0000049, 0.0000275)  | 0.00024 (0.00010, 0.00050) | 2.1 (0.9, 4.4)             | 0.0000111 (0.0000049, 0.0000235) | 0.00025 (0.00011, 0.00051) |
| Jawa Barat | Lower respiratory infections                  | 75  | 152.5 (114.4, 199.3)       | 0.0010531 (0.0007902, 0.0013766)  | 0.02028 (0.01639, 0.02405) | 212.2 (162.5, 275.2)       | 0.0011387 (0.0008718, 0.0014767) | 0.02511 (0.02110, 0.02948) |
| Jawa Barat | Malaria                                       | 75  | 2.5 (0.8, 5.8)             | 0.000017 (0.0000058, 0.0000402)   | 0.00033 (0.00011, 0.00073) | 1.6 (0.5, 3.9)             | 0.0000085 (0.0000027, 0.0000209) | 0.00019 (0.00006, 0.00046) |
| Jawa Barat | Tuberculosis                                  | 75  | 753.8 (603.9, 916.2)       | 0.0052064 (0.0041705, 0.0063277)  | 0.10026 (0.09173, 0.10950) | 662.2 (543.3, 825.9)       | 0.0035535 (0.0029156, 0.0044323) | 0.07833 (0.07075, 0.08667) |
| Jawa Barat | Other communicable diseases                   | 75  | 148.4 (109.6, 197.8)       | 0.001025 (0.0007569, 0.0013660)   | 0.01974 (0.01590, 0.02414) | 170.3 (126.6, 231.7)       | 0.0009141 (0.0006791, 0.0012435) | 0.02014 (0.01620, 0.02464) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 75  | 37.6 (24.2, 57.2)          | 0.00026 (0.0001669, 0.0003953)    | 0.00501 (0.00342, 0.00724) | 14.2 (8.0, 22.3)           | 0.0000765 (0.0000431, 0.0001199) | 0.00168 (0.00102, 0.00253) |
| Jawa Barat | Breast cancer                                 | 75  | 1.6 (0.5, 3.8)             | 0.0000107 (0.0000032, 0.0000266)  | 0.00021 (0.00006, 0.00050) | 34.4 (21.3, 49.6)          | 0.0001847 (0.0001144, 0.0002664) | 0.00407 (0.00272, 0.00560) |
| Jawa Barat | Cervical cancer                               | 75  |                            |                                   |                            | 32.7 (20.5, 50.7)          | 0.0001752 (0.0001099, 0.0002722) | 0.00386 (0.00254, 0.00558) |
| Jawa Barat | Other malignant neoplasms                     | 75  | 142.6 (108.6, 187.1)       | 0.0009846 (0.0007501, 0.0012921)  | 0.01896 (0.01570, 0.02265) | 130.7 (101.0, 171.2)       | 0.0007016 (0.0005419, 0.0009187) | 0.01547 (0.01291, 0.01832) |
| Jawa Barat | Cerebrovascular disease                       | 75  | 1,614.6 (1,311.0, 1,935.8) | 0.0111509 (0.0090542, 0.0133698)  | 0.21477 (0.20167, 0.22730) | 2,158.5 (1,794.3, 2,648.9) | 0.0115833 (0.0096290, 0.0142149) | 0.2553 (0.24307, 0.26808)  |
| Jawa Barat | Ischemic heart disease                        | 75  | 1,609.6 (1,301.4, 1,923.2) | 0.0111164 (0.0089881, 0.0132828)  | 0.21414 (0.20050, 0.22672) | 1,707.9 (1,406.6, 2,093.1) | 0.0091652 (0.0075484, 0.0112321) | 0.20202 (0.18948, 0.21397) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 75  | 502.2 (391.1, 629.4)       | 0.0034686 (0.0027009, 0.0043470)  | 0.06679 (0.05876, 0.07648) | 613.0 (496.9, 769.5)       | 0.0032894 (0.0026668, 0.0041297) | 0.07253 (0.06474, 0.08122) |
| Jawa Barat | Diabetes mellitus                             | 75  | 274.0 (214.7, 343.5)       | 0.0018927 (0.0014825, 0.0023723)  | 0.03644 (0.03192, 0.04129) | 508.2 (408.6, 635.3)       | 0.0027273 (0.0021925, 0.0034092) | 0.06011 (0.05373, 0.06689) |
| Jawa Barat | Chronic kidney disease                        | 75  | 139.6 (106.4, 183.3)       | 0.000964 (0.0007351, 0.0012660)   | 0.01856 (0.01547, 0.02199) | 154.9 (119.1, 200.0)       | 0.000831 (0.0006390, 0.0010731)  | 0.01831 (0.01548, 0.02143) |
| Jawa Barat | Cirrhosis                                     | 75  | 179.9 (138.8, 227.1)       | 0.0012424 (0.0009585, 0.0015685)  | 0.02393 (0.02059, 0.02803) | 145.7 (114.8, 186.0)       | 0.0007818 (0.0006159, 0.0009982) | 0.01723 (0.01477, 0.01996) |
| Jawa Barat | Chronic respiratory diseases                  | 75  | 831.6 (670.3, 1,017.9)     | 0.0057434 (0.0046295, 0.0070304)  | 0.11063 (0.10047, 0.12173) | 560.1 (455.2, 696.0)       | 0.003006 (0.0024425, 0.0037350)  | 0.06628 (0.05889, 0.07330) |
| Jawa Barat | Other non-communicable diseases               | 75  | 664.5 (533.1, 813.8)       | 0.0045891 (0.0036819, 0.0056205)  | 0.08838 (0.08001, 0.09780) | 800.2 (652.0, 996.0)       | 0.004294 (0.0034991, 0.0053450)  | 0.09462 (0.08702, 0.10218) |
| Jawa Barat | Drowning                                      | 75  | 8.4 (4.0, 15.9)            | 0.0000577 (0.0000274, 0.0001096)  | 0.00111 (0.00055, 0.00207) | 6.5 (3.5, 11.7)            | 0.0000347 (0.0000186, 0.0000629) | 0.00077 (0.00041, 0.00134) |
| Jawa Barat | Falls                                         | 75  | 60.0 (42.2, 85.0)          | 0.0004143 (0.0002911, 0.0005873)  | 0.00798 (0.00603, 0.01064) | 49.2 (35.2, 68.0)          | 0.000264 (0.0001890, 0.0003651)  | 0.00582 (0.00442, 0.00752) |
| Jawa Barat | Interpersonal violence                        | 75  | 1.0 (0.3, 2.6)             | 0.0000069 (0.0000020, 0.0000178)  | 0.00013 (0.00004, 0.00032) | 0.6 (0.2, 1.5)             | 0.0000033 (0.0000011, 0.0000082) | 0.00007 (0.00002, 0.00017) |
| Jawa Barat | Self-harm                                     | 75  | 6.9 (3.7, 12.0)            | 0.0000479 (0.0000252, 0.0000832)  | 0.00092 (0.00051, 0.00152) | 3.2 (1.6, 5.7)             | 0.0000173 (0.0000088, 0.0000305) | 0.00038 (0.00020, 0.00064) |
| Jawa Barat | Transport injuries                            | 75  | 50.7 (33.6, 73.3)          | 0.0003498 (0.0002324, 0.0005065)  | 0.00673 (0.00483, 0.00919) | 24.6 (16.3, 36.3)          | 0.0001321 (0.0000877, 0.0001950) | 0.00291 (0.00204, 0.00408) |
| Jawa Barat | Other unintentional injuries                  | 75  | 23.5 (15.2, 34.6)          | 0.0001624 (0.0001052, 0.0002386)  | 0.00313 (0.00212, 0.00441) | 11.8 (7.4, 17.9)           | 0.0000635 (0.0000399, 0.0000960) | 0.0014 (0.00094, 0.00196)  |
| Jawa Barat | Diarrheal diseases                            | 80  | 993.9 (841.7, 1,151.8)     | 0.0085156 (0.0072117, 0.0098683)  | 0.07429 (0.06556, 0.08274) | 1,537.7 (1,294.3, 1,814.9) | 0.009616 (0.0080942, 0.0113499)  | 0.08473 (0.07605, 0.09325) |
| Jawa Barat | HIV/AIDS                                      | 80  | 3.6 (1.1, 9.0)             | 0.0000306 (0.0000096, 0.0000772)  | 0.00027 (0.00008, 0.00067) | 4.7 (1.6, 11.3)            | 0.0000295 (0.0000099, 0.0000709) | 0.00026 (0.00009, 0.00063) |
| Jawa Barat | Lower respiratory infections                  | 80  | 357.3 (276.7, 445.4)       | 0.0030612 (0.0023705, 0.0038163)  | 0.0267 (0.02145, 0.03206)  | 550.2 (441.0, 682.1)       | 0.0034406 (0.0027576, 0.0042653) | 0.03033 (0.02528, 0.03598) |
| Jawa Barat | Malaria                                       | 80  | 4.7 (1.5, 11.3)            | 0.0000405 (0.0000129, 0.0000971)  | 0.00035 (0.00011, 0.00083) | 3.6 (1.1, 8.6)             | 0.0000227 (0.0000066, 0.0000536) | 0.0002 (0.00006, 0.00048)  |
| Jawa Barat | Tuberculosis                                  | 80  | 1,288.9 (1,109.9, 1,496.7) | 0.0110428 (0.0095096, 0.0128237)  | 0.09634 (0.08692, 0.10604) | 1,406.5 (1,199.4, 1,655.4) | 0.0087958 (0.0075007, 0.0103521) | 0.07752 (0.06975, 0.08577) |
| Jawa Barat | Other communicable diseases                   | 80  | 329.3 (257.1, 413.1)       | 0.0028211 (0.0022024, 0.0035392)  | 0.02461 (0.01977, 0.03011) | 394.4 (311.6, 496.0)       | 0.0024667 (0.0019484, 0.0031021) | 0.02174 (0.01749, 0.02671) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 80  | 50.8 (30.1, 80.3)          | 0.0004351 (0.0002575, 0.0006881)  | 0.0038 (0.00224, 0.00594)  | 25.2 (13.3, 43.6)          | 0.0001574 (0.0000835, 0.0002727) | 0.00138 (0.00073, 0.00235) |
| Jawa Barat | Breast cancer                                 | 80  | 1.8 (0.5, 4.7)             | 0.000015 (0.0000039, 0.0000399)   | 0.00013 (0.00003, 0.00035) | 46.6 (26.6, 75.0)          | 0.0002915 (0.0001664, 0.0004689) | 0.00257 (0.00149, 0.00406) |
| Jawa Barat | Cervical cancer                               | 80  |                            |                                   |                            | 38.5 (19.6, 65.4)          | 0.0002407 (0.0001229, 0.0004090) | 0.00212 (0.00111, 0.00363) |
| Jawa Barat | Other malignant neoplasms                     | 80  | 192.6 (146.4, 248.8)       | 0.0016498 (0.0012546, 0.0021318)  | 0.01439 (0.01138, 0.01807) | 214.7 (166.3, 273.0)       | 0.0013428 (0.0010402, 0.0017073) | 0.01184 (0.00943, 0.01462) |
| Jawa Barat | Cerebrovascular disease                       | 80  | 2,879.2 (2,493.0, 3,260.6) | 0.0246682 (0.0213597, 0.0279361)  | 0.21517 (0.20129, 0.22971) | 4,585.4 (4,059.6, 5,282.1) | 0.0286754 (0.0253873, 0.0330319) | 0.25269 (0.23855, 0.26711) |
| Jawa Barat | Ischemic heart disease                        | 80  | 2,593.8 (2,248.8, 2,957.1) | 0.0222321 (0.0192669, 0.0253356)  | 0.19387 (0.17933, 0.20745) | 3,548.6 (3,096.3, 4,075.5) | 0.0221915 (0.0193629, 0.0254864) | 0.19557 (0.18246, 0.20962) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 80  | 816.5 (657.3, 998.9)       | 0.0069956 (0.0056315, 0.0085581)  | 0.06102 (0.05199, 0.07185) | 1,192.0 (986.9, 1,447.9)   | 0.0074541 (0.0061715, 0.0090544) | 0.0657 (0.05664, 0.07545)  |
| Jawa Barat | Diabetes mellitus                             | 80  | 373.2 (306.4, 445.4)       | 0.0031978 (0.0026254, 0.0038161)  | 0.0279 (0.02394, 0.03170)  | 860.1 (721.6, 1,031.7)     | 0.0053785 (0.0045123, 0.0064519) | 0.0474 (0.04123, 0.05395)  |
| Jawa Barat | Chronic kidney disease                        | 80  | 193.1 (152.8, 243.6)       | 0.0016542 (0.0013094, 0.0020870)  | 0.01443 (0.01167, 0.01779) | 270.9 (209.6, 339.1)       | 0.0016944 (0.0013110, 0.0021206) | 0.01493 (0.01211, 0.01792) |
| Jawa Barat | Cirrhosis                                     | 80  | 270.9 (217.2, 336.9)       | 0.0023207 (0.00018608, 0.0028864) | 0.02024 (0.01671, 0.02445) | 257.0 (205.8, 319.9)       | 0.0016073 (0.0012869, 0.0020002) | 0.01416 (0.01161, 0.01705) |
| Jawa Barat | Chronic respiratory diseases                  | 80  | 1,459.3 (1,237.6, 1,681.7) | 0.0125033 (0.0106034, 0.0144083)  | 0.10908 (0.09816, 0.11973) | 1,153.5 (967.1, 1,372.1)   | 0.0072136 (0.0060476, 0.0085808) | 0.06357 (0.05560, 0.07125) |
| Jawa Barat | Other non-communicable diseases               | 80  | 1,291.6 (1,100.8, 1,505.7) | 0.0110661 (0.0094318, 0.0129003)  | 0.09652 (0.08694, 0.10663) | 1,855.3 (1,609.8, 2,185.2) | 0.0116022 (0.0100672, 0.0136656) | 0.10222 (0.09330, 0.11130) |
| Jawa Barat | Drowning                                      | 80  | 15.5 (6.8, 29.3)           | 0.0001331 (0.0000583, 0.0002510)  | 0.00116 (0.00050, 0.00219) | 11.9 (5.4, 22.3)           | 0.0000746 (0.0000340, 0.0001392) | 0.00066 (0.00029, 0.00122) |
| Jawa Barat | Falls                                         | 80  | 141.1 (103.1, 187.6)       | 0.0012089 (0.0008831, 0.0016075)  | 0.01055 (0.00802, 0.01355) | 120.8 (90.5, 157.0)        | 0.0007553 (0.0005661, 0.0009819) | 0.00665 (0.00517, 0.00836) |
| Jawa Barat | Interpersonal violence                        | 80  | 1.2 (0.2, 3.3)             | 0.0000103 (0.0000020, 0.0000281)  | 0.00009 (0.00002, 0.00024) | 0.9 (0.2, 2.7)             | 0.0000058 (0.0000012, 0.0000166) | 0.00005 (0.00001, 0.00014) |
| Jawa Barat | Self-harm                                     | 80  | 9.9 (4.7, 18.7)            | 0.0000848 (0.0000402, 0.0001605)  | 0.00074 (0.00036, 0.00138) | 5.9 (2.7, 11.1)            | 0.0000368 (0.0000169, 0.0000692) | 0.00032 (0.00015, 0.00060) |
| Jawa Barat | Transport injuries                            | 80  | 75.3 (48.5, 108.3)         | 0.000645 (0.0004155, 0.0009283)   | 0.00563 (0.00375, 0.00797) | 40.0 (25.4, 58.6)          | 0.0002503 (0.0001586, 0.0003662) | 0.00221 (0.00144, 0.00316) |
| Jawa Barat | Other unintentional injuries                  | 80  | 36.7 (21.4, 55.5)          | 0.0003146 (0.0001837, 0.0004752)  | 0.00274 (0.00168, 0.00417) | 21.2 (12.4, 34.1)          | 0.0001324 (0.0000777, 0.0002130) | 0.00117 (0.00070, 0.00180) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                         |                                  |                              | Females                       |                                  |                            |
|-------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|------------------------------|-------------------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Barat  | Diarrheal diseases                                       | All | 3,926.6 (3,228.7, 4,751.8)    | 0.0001679 (0.0001381, 0.0002032) | 0.03677 (0.03203, 0.04220)   | 4,626.2 (3,830.3, 5,585.4)    | 0.0002053 (0.0001699, 0.0002478) | 0.05281 (0.04652, 0.06006) |
| Jawa Barat  | HIV/AIDS                                                 | All | 353.8 (233.5, 528.9)          | 0.0000151 (0.0000100, 0.0000226) | 0.00331 (0.00220, 0.00489)   | 194.9 (125.2, 305.4)          | 0.0000087 (0.0000056, 0.0000135) | 0.00222 (0.00145, 0.00332) |
| Jawa Barat  | Lower respiratory infections                             | All | 3,349.7 (2,585.0, 4,255.5)    | 0.0001432 (0.0001105, 0.0001820) | 0.03137 (0.02509, 0.03816)   | 2,778.6 (2,216.7, 3,460.0)    | 0.0001233 (0.0000984, 0.0001535) | 0.03173 (0.02623, 0.03779) |
| Jawa Barat  | Malaria                                                  | All | 46.4 (17.4, 109.2)            | 0.000002 (0.0000007, 0.0000047)  | 0.00044 (0.000016, 0.000095) | 25.8 (9.2, 61.4)              | 0.0000011 (0.0000004, 0.0000027) | 0.00029 (0.00010, 0.00071) |
| Jawa Barat  | Tuberculosis                                             | All | 11,580.6 (9,588.4, 13,667.6)  | 0.0004952 (0.0004100, 0.0005844) | 0.10831 (0.10194, 0.11486)   | 7,182.4 (6,011.2, 8,578.8)    | 0.0003187 (0.0002667, 0.0003806) | 0.08191 (0.07642, 0.08812) |
| Jawa Barat  | Maternal disorders                                       | All |                               |                                  |                              | 614.1 (458.3, 791.1)          | 0.0000272 (0.0000203, 0.0000351) | 0.007 (0.00569, 0.00845)   |
| Jawa Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 1,608.9 (831.0, 2,551.0)      | 0.0000688 (0.0000355, 0.0001091) | 0.01504 (0.00787, 0.02356)   | 1,147.3 (592.6, 1,861.9)      | 0.0000509 (0.0000263, 0.0000826) | 0.01309 (0.00677, 0.02161) |
| Jawa Barat  | Preterm birth complications                              | All | 1,431.2 (727.3, 2,264.7)      | 0.0000612 (0.0000311, 0.0000968) | 0.01338 (0.00691, 0.02109)   | 1,352.8 (729.2, 2,203.9)      | 0.00006 (0.0000324, 0.0000978)   | 0.01543 (0.00837, 0.02538) |
| Jawa Barat  | Other neonatal disorders                                 | All | 416.5 (184.8, 766.4)          | 0.0000178 (0.0000079, 0.0000328) | 0.00389 (0.00175, 0.00695)   | 279.7 (126.2, 519.6)          | 0.0000124 (0.0000056, 0.0000231) | 0.00319 (0.00144, 0.00586) |
| Jawa Barat  | Other communicable diseases                              | All | 6,067.1 (5,034.3, 7,194.7)    | 0.0002594 (0.0002153, 0.0003076) | 0.05684 (0.04964, 0.06518)   | 4,243.6 (3,475.6, 5,126.5)    | 0.0001883 (0.0001542, 0.0002275) | 0.04846 (0.04133, 0.05623) |
| Jawa Barat  | Tracheal, bronchus, and lung cancer                      | All | 701.3 (510.0, 948.4)          | 0.00003 (0.0000218, 0.0000406)   | 0.00656 (0.00496, 0.00835)   | 219.7 (142.5, 318.5)          | 0.0000097 (0.0000063, 0.0000141) | 0.0025 (0.00174, 0.00354)  |
| Jawa Barat  | Breast cancer                                            | All | 45.2 (23.0, 80.2)             | 0.0000019 (0.0000010, 0.0000034) | 0.00042 (0.000022, 0.000075) | 1,291.6 (984.4, 1,648.4)      | 0.0000573 (0.0000437, 0.0000731) | 0.01472 (0.01224, 0.01734) |
| Jawa Barat  | Cervical cancer                                          | All |                               |                                  |                              | 933.5 (681.4, 1,232.8)        | 0.0000414 (0.0000302, 0.0000547) | 0.01063 (0.00838, 0.01290) |
| Jawa Barat  | Other malignant neoplasms                                | All | 3,760.3 (3,086.2, 4,531.6)    | 0.0001608 (0.0001320, 0.0001938) | 0.03516 (0.03172, 0.03890)   | 2,296.1 (1,854.2, 2,806.0)    | 0.0001019 (0.0000823, 0.0001245) | 0.02619 (0.02304, 0.02966) |
| Jawa Barat  | Cerebrovascular disease                                  | All | 16,198.5 (13,336.5, 19,202.4) | 0.0006926 (0.0005703, 0.0008211) | 0.15144 (0.14115, 0.16245)   | 16,825.3 (14,292.8, 20,200.1) | 0.0007465 (0.0006341, 0.0008962) | 0.19187 (0.17974, 0.20393) |
| Jawa Barat  | Ischemic heart disease                                   | All | 18,285.5 (15,037.9, 21,683.6) | 0.0007819 (0.0006430, 0.0009272) | 0.17097 (0.15965, 0.18192)   | 13,957.7 (11,705.3, 16,741.8) | 0.0006193 (0.0005193, 0.0007428) | 0.15917 (0.14852, 0.16976) |
| Jawa Barat  | Other cardiovascular and circulatory diseases            | All | 4,653.9 (3,767.1, 5,616.4)    | 0.000199 (0.0001611, 0.0002402)  | 0.04351 (0.03869, 0.04840)   | 4,684.4 (3,901.3, 5,720.5)    | 0.0002078 (0.0001731, 0.0002538) | 0.05343 (0.04783, 0.05914) |
| Jawa Barat  | Diabetes mellitus                                        | All | 4,663.0 (3,752.0, 5,671.4)    | 0.0001994 (0.0001604, 0.0002425) | 0.04358 (0.03914, 0.04823)   | 6,069.9 (5,034.2, 7,388.9)    | 0.0002693 (0.0002234, 0.0003278) | 0.0692 (0.06322, 0.07544)  |
| Jawa Barat  | Chronic kidney disease                                   | All | 2,418.5 (1,947.1, 3,007.7)    | 0.0001034 (0.0000833, 0.0001286) | 0.02262 (0.01962, 0.02616)   | 1,976.8 (1,593.8, 2,470.8)    | 0.0000877 (0.0000707, 0.0001096) | 0.02254 (0.01961, 0.02561) |
| Jawa Barat  | Cirrhosis                                                | All | 4,072.4 (3,327.9, 4,973.5)    | 0.0001741 (0.0001423, 0.0002127) | 0.03808 (0.03388, 0.04241)   | 2,082.4 (1,694.6, 2,538.4)    | 0.0000924 (0.0000752, 0.0001126) | 0.02375 (0.02106, 0.02685) |
| Jawa Barat  | Chronic respiratory diseases                             | All | 6,920.8 (5,750.9, 8,215.7)    | 0.0002959 (0.0002459, 0.0003513) | 0.06473 (0.05939, 0.07062)   | 3,934.7 (3,281.7, 4,779.9)    | 0.0001746 (0.0001456, 0.0002121) | 0.04489 (0.04035, 0.04977) |
| Jawa Barat  | Other non-communicable diseases                          | All | 8,775.2 (7,345.8, 10,272.4)   | 0.0003752 (0.0003141, 0.0004392) | 0.0821 (0.07676, 0.08765)    | 8,328.3 (7,033.0, 9,943.5)    | 0.0003695 (0.0003120, 0.0004412) | 0.09502 (0.08877, 0.10108) |
| Jawa Barat  | Drowning                                                 | All | 784.8 (578.4, 1,020.8)        | 0.0000336 (0.0000247, 0.0000436) | 0.00737 (0.00540, 0.00957)   | 250.4 (173.8, 333.5)          | 0.0000111 (0.0000077, 0.0000148) | 0.00286 (0.00201, 0.00382) |
| Jawa Barat  | Falls                                                    | All | 997.0 (780.5, 1,261.3)        | 0.0000426 (0.0000334, 0.0000539) | 0.00933 (0.00761, 0.01130)   | 523.5 (400.0, 673.1)          | 0.0000232 (0.0000177, 0.0000299) | 0.00597 (0.00488, 0.00723) |
| Jawa Barat  | Interpersonal violence                                   | All | 109.2 (65.2, 173.5)           | 0.0000047 (0.0000028, 0.0000074) | 0.00102 (0.00063, 0.00162)   | 57.6 (33.5, 93.8)             | 0.0000026 (0.0000015, 0.0000042) | 0.00066 (0.00039, 0.00105) |
| Jawa Barat  | Self-harm                                                | All | 265.0 (181.2, 372.3)          | 0.0000113 (0.0000077, 0.0000159) | 0.00248 (0.00178, 0.00345)   | 113.3 (73.8, 166.0)           | 0.000005 (0.0000033, 0.0000074)  | 0.00129 (0.00086, 0.00180) |
| Jawa Barat  | Transport injuries                                       | All | 4,422.7 (3,632.7, 5,231.6)    | 0.0001891 (0.0001553, 0.0002237) | 0.04141 (0.03684, 0.04606)   | 1,319.1 (1,067.3, 1,591.7)    | 0.0000585 (0.0000474, 0.0000706) | 0.01506 (0.01310, 0.01715) |
| Jawa Barat  | Other unintentional injuries                             | All | 1,052.2 (828.7, 1,309.5)      | 0.000045 (0.0000354, 0.0000560)  | 0.00985 (0.00814, 0.01180)   | 362.4 (270.3, 471.1)          | 0.0000161 (0.0000120, 0.0000209) | 0.00413 (0.00328, 0.00518) |
| Jawa Tengah | Diarrheal diseases                                       | NN  | 109.1 (47.8, 194.0)           | 0.0043816 (0.0019206, 0.0077933) | 0.01604 (0.01101, 0.02250)   | 85.1 (38.5, 160.1)            | 0.0036145 (0.0016362, 0.0068004) | 0.01768 (0.01199, 0.02466) |
| Jawa Tengah | Lower respiratory infections                             | NN  | 729.0 (358.6, 1,182.1)        | 0.0292834 (0.0144040, 0.0474845) | 0.10729 (0.08901, 0.12749)   | 411.7 (210.5, 695.4)          | 0.0174849 (0.0089402, 0.0295304) | 0.08565 (0.06918, 0.10491) |
| Jawa Tengah | Malaria                                                  | NN  | 0.3 (0.0, 0.9)                | 0.0000111 (0.0000017, 0.0000380) | 0.00004 (0.00001, 0.00012)   | 0.1 (0.0, 0.5)                | 0.0000064 (0.0000010, 0.0000218) | 0.00003 (0.00001, 0.00010) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 2,020.8 (1,021.2, 3,192.3)    | 0.0811766 (0.0410225, 0.1282354) | 0.29721 (0.25245, 0.34673)   | 1,278.1 (649.1, 2,162.1)      | 0.0542753 (0.0275633, 0.0918126) | 0.26537 (0.22056, 0.31491) |
| Jawa Tengah | Preterm birth complications                              | NN  | 1,975.5 (985.3, 3,153.5)      | 0.0793549 (0.0395781, 0.1266790) | 0.29058 (0.23819, 0.34108)   | 1,647.1 (864.9, 2,723.7)      | 0.069944 (0.0367263, 0.1156623)  | 0.34236 (0.28781, 0.39402) |
| Jawa Tengah | Other neonatal disorders                                 | NN  | 429.6 (169.2, 836.5)          | 0.0172568 (0.0067972, 0.0336010) | 0.06292 (0.03841, 0.09551)   | 253.1 (103.7, 520.5)          | 0.0107466 (0.0044026, 0.0221047) | 0.05266 (0.03132, 0.08253) |
| Jawa Tengah | Other communicable diseases                              | NN  | 98.0 (43.7, 178.7)            | 0.0039352 (0.0017539, 0.0071782) | 0.01442 (0.00943, 0.02085)   | 54.2 (23.4, 107.4)            | 0.0023026 (0.0009923, 0.0045624) | 0.01127 (0.00714, 0.01694) |
| Jawa Tengah | Other malignant neoplasms                                | NN  | 71.7 (28.0, 138.6)            | 0.0028804 (0.0011258, 0.0055664) | 0.01049 (0.00634, 0.01600)   | 52.6 (22.1, 104.2)            | 0.0022344 (0.0009401, 0.0044234) | 0.01094 (0.00647, 0.01719) |
| Jawa Tengah | Cerebrovascular disease                                  | NN  | 18.7 (4.8, 46.2)              | 0.0007511 (0.0001923, 0.0018543) | 0.00275 (0.00092, 0.00602)   | 18.1 (4.7, 46.0)              | 0.0007684 (0.0002013, 0.0019552) | 0.00376 (0.00130, 0.00817) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | NN  | 16.2 (3.7, 40.2)              | 0.0006504 (0.0001473, 0.0016134) | 0.00239 (0.00075, 0.00557)   | 15.4 (3.7, 39.3)              | 0.0006526 (0.0001576, 0.0016701) | 0.0032 (0.00102, 0.00714)  |
| Jawa Tengah | Diabetes mellitus                                        | NN  | 3.3 (0.0, 27.0)               | 0.000133 (0.0000007, 0.0010841)  | 0.0005 (0.00000, 0.00367)    | 3.6 (0.0, 29.5)               | 0.0001547 (0.0000008, 0.0012517) | 0.00074 (0.00000, 0.00507) |
| Jawa Tengah | Other non-communicable diseases                          | NN  | 1,088.9 (565.2, 1,696.9)      | 0.0437426 (0.0227032, 0.0681637) | 0.16022 (0.14420, 0.17668)   | 920.1 (489.4, 1,472.6)        | 0.039072 (0.0207804, 0.0625353)  | 0.19116 (0.17178, 0.21127) |
| Jawa Tengah | Drowning                                                 | NN  | 58.0 (21.3, 112.6)            | 0.002329 (0.0008574, 0.0045229)  | 0.00854 (0.00468, 0.01405)   | 15.0 (5.1, 33.8)              | 0.000636 (0.0002162, 0.0014356)  | 0.00312 (0.00152, 0.00555) |
| Jawa Tengah | Falls                                                    | NN  | 32.9 (11.9, 66.3)             | 0.0013197 (0.0004795, 0.0026636) | 0.00488 (0.00249, 0.00819)   | 11.5 (4.1, 25.1)              | 0.0004898 (0.0001757, 0.0010655) | 0.00239 (0.00111, 0.00435) |
| Jawa Tengah | Interpersonal violence                                   | NN  | 7.7 (2.4, 18.9)               | 0.0003091 (0.0000983, 0.0007582) | 0.00114 (0.00043, 0.00236)   | 4.3 (1.2, 10.9)               | 0.0001842 (0.0000492, 0.0004624) | 0.0009 (0.00032, 0.00189)  |
| Jawa Tengah | Transport injuries                                       | NN  | 43.2 (16.7, 85.0)             | 0.0017346 (0.0006718, 0.0034153) | 0.00639 (0.00369, 0.01046)   | 10.9 (4.1, 23.4)              | 0.0004638 (0.0001728, 0.0009951) | 0.00226 (0.00122, 0.00378) |
| Jawa Tengah | Other unintentional injuries                             | NN  | 96.2 (40.7, 178.6)            | 0.003863 (0.0016336, 0.0071730)  | 0.0142 (0.00893, 0.02136)    | 31.4 (13.6, 59.4)             | 0.0013331 (0.0005786, 0.0025244) | 0.00651 (0.00402, 0.01006) |
| Jawa Tengah | Diarrheal diseases                                       | PNN | 1,092.3 (560.3, 1,760.1)      | 0.0035153 (0.0018034, 0.0056647) | 0.27445 (0.23460, 0.31523)   | 1,201.3 (599.1, 2,006.9)      | 0.0040872 (0.0020384, 0.0068281) | 0.3265 (0.28568, 0.36738)  |
| Jawa Tengah | HIV/AIDS                                                 | PNN | 59.3 (22.6, 128.5)            | 0.0001908 (0.0000729, 0.0004135) | 0.0149 (0.00740, 0.02616)    | 45.6 (16.1, 100.1)            | 0.0001551 (0.0000549, 0.0003407) | 0.01237 (0.00559, 0.02278) |
| Jawa Tengah | Lower respiratory infections                             | PNN | 541.5 (264.4, 894.8)          | 0.0017429 (0.0008509, 0.0028798) | 0.13623 (0.11389, 0.15954)   | 417.5 (210.0, 705.1)          | 0.0014206 (0.0007144, 0.0023988) | 0.11345 (0.09360, 0.13617) |
| Jawa Tengah | Malaria                                                  | PNN | 2.7 (0.5, 8.2)                | 0.0000088 (0.0000015, 0.0000265) | 0.00068 (0.000014, 0.00201)  | 2.1 (0.4, 6.6)                | 0.0000071 (0.0000012, 0.0000225) | 0.00057 (0.00012, 0.00171) |
| Jawa Tengah | Tuberculosis                                             | PNN | 110.4 (52.6, 191.2)           | 0.0003552 (0.0001692, 0.0006155) | 0.02778 (0.01923, 0.03843)   | 86.8 (38.1, 157.3)            | 0.0002952 (0.0001295, 0.0003533) | 0.02369 (0.01492, 0.03377) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 50.4 (16.4, 125.1)            | 0.0001623 (0.0000529, 0.0004027) | 0.01276 (0.00465, 0.02831)   | 41.5 (12.0, 102.1)            | 0.0001413 (0.0000408, 0.0003473) | 0.01126 (0.00417, 0.02548) |
| Jawa Tengah | Preterm birth complications                              | PNN | 132.4 (50.8, 279.8)           | 0.0004261 (0.0001635, 0.0009005) | 0.03318 (0.01786, 0.05550)   | 163.2 (62.9, 332.6)           | 0.0005552 (0.0002141, 0.0011315) | 0.0441 (0.02388, 0.07490)  |
| Jawa Tengah | Other neonatal disorders                                 | PNN | 37.1 (10.3, 89.0)             | 0.0001194 (0.0000331, 0.0002865) | 0.00931 (0.00338, 0.02050)   | 29.7 (8.7, 78.5)              | 0.0001012 (0.0000296, 0.0002669) | 0.0081 (0.00289, 0.01843)  |
| Jawa Tengah | Other communicable diseases                              | PNN | 1,089.4 (557.9, 1,784.3)      | 0.003506 (0.0017956, 0.0057427)  | 0.27359 (0.23494, 0.31671)   | 850.3 (418.1, 1,429.6)        | 0.002893 (0.0014225, 0.0048638)  | 0.23091 (0.19489, 0.27180) |
| Jawa Tengah | Other malignant neoplasms                                | PNN | 39.1 (16.2, 71.9)             | 0.0001257 (0.0000522, 0.0002315) | 0.0098 (0.00599, 0.01472)    | 38.1 (16.8, 72.3)             | 0.0001296 (0.0000572, 0.0002460) | 0.01037 (0.00622, 0.01611) |
| Jawa Tengah | Cerebrovascular disease                                  | PNN | 10.2 (2.8, 25.4)              | 0.000033 (0.0000092, 0.0000818)  | 0.00258 (0.00087, 0.00570)   | 13.1 (3.7, 32.3)              | 0.0000446 (0.0000126, 0.0001099) | 0.00357 (0.00126, 0.00766) |
| Jawa Tengah | Ischemic heart disease                                   | PNN | 4.4 (0.3, 21.5)               | 0.0000142 (0.0000010, 0.0000691) | 0.0011 (0.00009, 0.00506)    | 5.5 (0.4, 26.2)               | 0.0000187 (0.0000014, 0.0000891) | 0.0015 (0.00012, 0.00683)  |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | PNN | 8.8 (2.4, 22.0)               | 0.0000283 (0.0000077, 0.0000708) | 0.00223 (0.00070, 0.00511)   | 11.1 (2.9, 27.3)              | 0.0000376 (0.0000098, 0.0000930) | 0.00302 (0.00095, 0.00676) |



Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                  |                                  |                            | Females                |                                  |                            |
|-------------|----------------------------------------------------------|-----|------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Diabetes mellitus                                        | PNN | 1.8 (0.0, 15.3)        | 0.0000059 (0.0000000, 0.0000491) | 0.00047 (0.00000, 0.00349) | 2.5 (0.0, 20.7)        | 0.0000087 (0.0000001, 0.0000704) | 0.0007 (0.00000, 0.00487)  |
| Jawa Tengah | Chronic kidney disease                                   | PNN | 50.7 (20.2, 97.2)      | 0.0001631 (0.0000649, 0.0003129) | 0.01274 (0.00669, 0.02205) | 47.5 (18.0, 98.7)      | 0.0001616 (0.0000611, 0.0003357) | 0.01288 (0.00668, 0.02212) |
| Jawa Tengah | Other non-communicable diseases                          | PNN | 591.7 (297.0, 958.0)   | 0.0019045 (0.0009559, 0.0030832) | 0.14871 (0.13075, 0.16499) | 662.2 (339.2, 1,080.8) | 0.0022529 (0.0011539, 0.0036770) | 0.17987 (0.15902, 0.19996) |
| Jawa Tengah | Drowning                                                 | PNN | 39.3 (16.1, 72.1)      | 0.0001265 (0.0000519, 0.0002322) | 0.00991 (0.00575, 0.01565) | 13.4 (5.4, 28.2)       | 0.0000455 (0.0000182, 0.0000958) | 0.00365 (0.00187, 0.00619) |
| Jawa Tengah | Falls                                                    | PNN | 21.6 (8.8, 42.5)       | 0.0000694 (0.0000282, 0.0001369) | 0.00543 (0.00285, 0.00884) | 9.9 (3.5, 20.8)        | 0.0000337 (0.0000119, 0.0000709) | 0.00269 (0.00129, 0.00471) |
| Jawa Tengah | Interpersonal violence                                   | PNN | 5.0 (1.6, 11.7)        | 0.000016 (0.0000050, 0.0000376)  | 0.00124 (0.00049, 0.00249) | 3.6 (1.1, 8.4)         | 0.0000124 (0.0000036, 0.0000284) | 0.00099 (0.00037, 0.00201) |
| Jawa Tengah | Transport injuries                                       | PNN | 29.0 (12.3, 55.0)      | 0.0000934 (0.0000397, 0.0001772) | 0.00732 (0.00443, 0.01166) | 9.7 (3.9, 18.8)        | 0.0000329 (0.0000134, 0.0000641) | 0.00262 (0.00147, 0.00427) |
| Jawa Tengah | Other unintentional injuries                             | PNN | 61.8 (28.2, 109.9)     | 0.0001988 (0.0000906, 0.0003536) | 0.01557 (0.01010, 0.02237) | 26.5 (11.2, 49.5)      | 0.0000903 (0.0000381, 0.0001685) | 0.0072 (0.00457, 0.01070)  |
| Jawa Tengah | Diarrheal diseases                                       | 1   | 307.0 (121.8, 622.6)   | 0.0002528 (0.0001003, 0.0005127) | 0.15026 (0.11815, 0.18820) | 324.2 (141.2, 616.3)   | 0.000278 (0.0001211, 0.0005285)  | 0.19502 (0.15968, 0.23915) |
| Jawa Tengah | HIV/AIDS                                                 | 1   | 37.4 (12.5, 85.4)      | 0.0000308 (0.0000103, 0.0000703) | 0.01844 (0.00936, 0.03259) | 28.1 (9.7, 65.1)       | 0.0000241 (0.0000084, 0.0000559) | 0.017 (0.00815, 0.02990)   |
| Jawa Tengah | Lower respiratory infections                             | 1   | 336.4 (133.5, 662.6)   | 0.000277 (0.0001100, 0.0005457)  | 0.16473 (0.13755, 0.19302) | 254.0 (113.9, 483.6)   | 0.0002178 (0.0000977, 0.0004147) | 0.1527 (0.12345, 0.18227)  |
| Jawa Tengah | Malaria                                                  | 1   | 0.6 (0.1, 2.1)         | 0.0000005 (0.0000001, 0.0000017) | 0.0003 (0.00006, 0.00087)  | 0.5 (0.1, 1.5)         | 0.0000004 (0.0000001, 0.0000013) | 0.00028 (0.00006, 0.00078) |
| Jawa Tengah | Tuberculosis                                             | 1   | 74.4 (28.0, 151.9)     | 0.0000613 (0.0000231, 0.0001251) | 0.03633 (0.02549, 0.04867) | 57.3 (23.3, 110.5)     | 0.0000491 (0.0000200, 0.0000947) | 0.03446 (0.02258, 0.04785) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 16.3 (3.9, 43.5)       | 0.0000135 (0.0000032, 0.0000359) | 0.00799 (0.00269, 0.01802) | 12.2 (3.2, 33.5)       | 0.0000105 (0.0000027, 0.0000287) | 0.00732 (0.00251, 0.01660) |
| Jawa Tengah | Preterm birth complications                              | 1   | 8.3 (1.4, 27.3)        | 0.0000068 (0.0000012, 0.0000225) | 0.00409 (0.00098, 0.01214) | 9.4 (1.7, 30.5)        | 0.000008 (0.0000014, 0.0000261)  | 0.00566 (0.00129, 0.01633) |
| Jawa Tengah | Other neonatal disorders                                 | 1   | 1.8 (0.0, 13.5)        | 0.0000015 (0.0000000, 0.0000111) | 0.00088 (0.00001, 0.00590) | 1.3 (0.0, 9.1)         | 0.0000011 (0.0000000, 0.0000078) | 0.00078 (0.00001, 0.00553) |
| Jawa Tengah | Other communicable diseases                              | 1   | 658.1 (270.3, 1,258.5) | 0.000542 (0.0002226, 0.0010365)  | 0.32235 (0.27507, 0.36576) | 505.8 (228.3, 988.2)   | 0.0004337 (0.0001958, 0.0008474) | 0.30411 (0.25380, 0.34821) |
| Jawa Tengah | Other malignant neoplasms                                | 1   | 17.3 (6.1, 37.4)       | 0.0000143 (0.0000050, 0.0000308) | 0.00845 (0.00508, 0.01297) | 17.3 (6.6, 36.0)       | 0.0000146 (0.0000056, 0.0000309) | 0.01036 (0.00631, 0.01678) |
| Jawa Tengah | Cerebrovascular disease                                  | 1   | 5.0 (1.2, 13.1)        | 0.0000041 (0.0000010, 0.0000108) | 0.00243 (0.00081, 0.00536) | 6.5 (1.5, 17.0)        | 0.0000058 (0.0000013, 0.0000145) | 0.00389 (0.00131, 0.00875) |
| Jawa Tengah | Ischemic heart disease                                   | 1   | 2.1 (0.1, 9.9)         | 0.0000018 (0.0000001, 0.0000082) | 0.00105 (0.00009, 0.00467) | 2.7 (0.2, 12.4)        | 0.0000023 (0.0000002, 0.0000106) | 0.00165 (0.00013, 0.00770) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 1   | 4.0 (0.9, 10.4)        | 0.0000033 (0.0000007, 0.0000086) | 0.00197 (0.00059, 0.00454) | 5.1 (1.2, 13.4)        | 0.0000044 (0.0000010, 0.0000115) | 0.00308 (0.00095, 0.00715) |
| Jawa Tengah | Diabetes mellitus                                        | 1   | 0.9 (0.0, 6.4)         | 0.0000007 (0.0000000, 0.0000052) | 0.00041 (0.00000, 0.00297) | 1.2 (0.0, 8.3)         | 0.000001 (0.0000000, 0.0000071)  | 0.00071 (0.00000, 0.00512) |
| Jawa Tengah | Chronic kidney disease                                   | 1   | 21.7 (7.7, 50.8)       | 0.0000178 (0.0000063, 0.0000418) | 0.01023 (0.00542, 0.01852) | 20.6 (7.7, 45.4)       | 0.0000177 (0.0000066, 0.0000389) | 0.01244 (0.00654, 0.02151) |
| Jawa Tengah | Cirrhosis                                                | 1   | 25.0 (7.1, 57.3)       | 0.0000206 (0.0000058, 0.0000472) | 0.01263 (0.00531, 0.02318) | 14.7 (4.6, 34.7)       | 0.0000126 (0.0000040, 0.0000298) | 0.00886 (0.00378, 0.01727) |
| Jawa Tengah | Chronic respiratory diseases                             | 1   | 43.3 (14.4, 100.6)     | 0.0000357 (0.0000119, 0.0000829) | 0.02115 (0.01069, 0.03524) | 18.5 (5.9, 43.9)       | 0.0000159 (0.0000050, 0.0000377) | 0.01112 (0.00524, 0.02045) |
| Jawa Tengah | Other non-communicable diseases                          | 1   | 262.1 (109.6, 531.5)   | 0.0002159 (0.0000903, 0.0004377) | 0.12834 (0.10810, 0.14971) | 298.5 (138.7, 551.6)   | 0.0002559 (0.0001190, 0.0004730) | 0.17964 (0.15650, 0.20397) |
| Jawa Tengah | Drowning                                                 | 1   | 72.1 (26.6, 153.4)     | 0.0000594 (0.0000219, 0.0001264) | 0.03536 (0.02297, 0.05134) | 24.3 (9.5, 51.4)       | 0.0000208 (0.0000082, 0.0000441) | 0.01463 (0.00845, 0.02309) |
| Jawa Tengah | Falls                                                    | 1   | 27.4 (9.4, 59.6)       | 0.0000225 (0.0000078, 0.0000491) | 0.01345 (0.00751, 0.02140) | 12.3 (4.5, 26.9)       | 0.0000106 (0.0000038, 0.0000230) | 0.00745 (0.00377, 0.01250) |
| Jawa Tengah | Interpersonal violence                                   | 1   | 5.2 (1.4, 13.0)        | 0.0000043 (0.0000012, 0.0000107) | 0.00253 (0.00107, 0.00508) | 3.7 (1.1, 8.7)         | 0.0000032 (0.0000010, 0.0000075) | 0.00224 (0.00094, 0.00455) |
| Jawa Tengah | Transport injuries                                       | 1   | 47.7 (17.2, 103.1)     | 0.0000393 (0.0000142, 0.0000849) | 0.02332 (0.01401, 0.03384) | 15.6 (5.6, 35.4)       | 0.0000134 (0.0000048, 0.0000303) | 0.00938 (0.00534, 0.01488) |
| Jawa Tengah | Other unintentional injuries                             | 1   | 68.1 (24.8, 147.4)     | 0.0000561 (0.0000204, 0.0001214) | 0.03324 (0.02174, 0.04745) | 28.7 (11.6, 59.8)      | 0.0000246 (0.0000099, 0.0000513) | 0.01723 (0.01060, 0.02587) |
| Jawa Tengah | Diarrheal diseases                                       | 5   | 115.3 (77.5, 161.6)    | 0.0000741 (0.0000499, 0.0001040) | 0.104 (0.07898, 0.13137)   | 100.3 (71.6, 135.7)    | 0.0000681 (0.0000486, 0.0000921) | 0.14324 (0.11220, 0.17842) |
| Jawa Tengah | HIV/AIDS                                                 | 5   | 10.1 (3.3, 23.7)       | 0.0000065 (0.0000022, 0.0000152) | 0.0091 (0.00312, 0.02045)  | 6.1 (2.1, 13.9)        | 0.0000044 (0.0000014, 0.0000094) | 0.00877 (0.00305, 0.01901) |
| Jawa Tengah | Lower respiratory infections                             | 5   | 82.0 (55.7, 115.7)     | 0.0000528 (0.0000358, 0.0000744) | 0.07407 (0.05476, 0.09460) | 50.7 (34.8, 70.3)      | 0.0000344 (0.0000236, 0.0000477) | 0.07243 (0.05283, 0.09268) |
| Jawa Tengah | Malaria                                                  | 5   | 0.2 (0.0, 0.7)         | 0.0000001 (0.0000000, 0.0000004) | 0.00021 (0.00004, 0.00058) | 0.1 (0.0, 0.4)         | 0.0000001 (0.0000000, 0.0000003) | 0.0002 (0.00004, 0.00057)  |
| Jawa Tengah | Tuberculosis                                             | 5   | 26.1 (17.0, 38.6)      | 0.0000168 (0.0000110, 0.0000248) | 0.02357 (0.01604, 0.03274) | 16.5 (10.5, 24.0)      | 0.0000112 (0.0000071, 0.0000163) | 0.02355 (0.01617, 0.03320) |
| Jawa Tengah | Other communicable diseases                              | 5   | 244.4 (182.4, 326.2)   | 0.0001572 (0.0001173, 0.0002099) | 0.2207 (0.18708, 0.25711)  | 154.3 (117.1, 199.7)   | 0.0001047 (0.0000795, 0.0001355) | 0.22051 (0.18346, 0.25946) |
| Jawa Tengah | Other malignant neoplasms                                | 5   | 56.8 (35.8, 88.9)      | 0.0000365 (0.0000231, 0.0000572) | 0.05127 (0.03526, 0.07309) | 47.6 (31.2, 67.7)      | 0.0000323 (0.0000211, 0.0000459) | 0.06803 (0.04714, 0.09354) |
| Jawa Tengah | Cerebrovascular disease                                  | 5   | 11.0 (5.3, 19.2)       | 0.0000071 (0.0000034, 0.0000124) | 0.0099 (0.00504, 0.01680)  | 11.9 (6.1, 19.9)       | 0.0000081 (0.0000041, 0.0000135) | 0.01695 (0.00922, 0.02758) |
| Jawa Tengah | Ischemic heart disease                                   | 5   | 5.4 (2.1, 11.0)        | 0.0000035 (0.0000014, 0.0000071) | 0.00487 (0.00201, 0.00968) | 5.7 (2.3, 10.6)        | 0.0000039 (0.0000016, 0.0000072) | 0.00815 (0.00334, 0.01489) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 5   | 9.9 (4.6, 18.9)        | 0.0000064 (0.0000029, 0.0000121) | 0.00892 (0.00427, 0.01701) | 10.3 (5.2, 19.0)       | 0.000007 (0.0000036, 0.0000129)  | 0.01477 (0.00758, 0.02725) |
| Jawa Tengah | Diabetes mellitus                                        | 5   | 5.3 (2.1, 11.5)        | 0.0000034 (0.0000014, 0.0000074) | 0.00483 (0.00206, 0.01052) | 6.4 (2.7, 13.4)        | 0.0000043 (0.0000018, 0.0000091) | 0.00912 (0.00397, 0.01908) |
| Jawa Tengah | Chronic kidney disease                                   | 5   | 24.5 (13.2, 41.4)      | 0.0000158 (0.0000085, 0.0000266) | 0.02214 (0.01283, 0.03550) | 19.7 (10.9, 32.1)      | 0.0000134 (0.0000074, 0.0000218) | 0.02815 (0.01678, 0.04505) |
| Jawa Tengah | Cirrhosis                                                | 5   | 36.2 (20.7, 58.4)      | 0.0000233 (0.0000133, 0.0000376) | 0.03267 (0.02048, 0.04828) | 18.0 (10.5, 29.5)      | 0.0000122 (0.0000071, 0.0000200) | 0.02575 (0.01564, 0.03958) |
| Jawa Tengah | Chronic respiratory diseases                             | 5   | 18.3 (9.7, 30.9)       | 0.0000118 (0.0000062, 0.0000199) | 0.01652 (0.00923, 0.02693) | 6.5 (3.4, 11.3)        | 0.0000044 (0.0000023, 0.0000077) | 0.00931 (0.00496, 0.01546) |
| Jawa Tengah | Other non-communicable diseases                          | 5   | 126.9 (91.4, 176.8)    | 0.0000816 (0.0000588, 0.0001137) | 0.11452 (0.09115, 0.13940) | 121.1 (90.4, 160.7)    | 0.0000822 (0.0000614, 0.0001091) | 0.1729 (0.14017, 0.20692)  |
| Jawa Tengah | Drowning                                                 | 5   | 160.4 (112.0, 226.3)   | 0.0001031 (0.0000721, 0.0001455) | 0.14473 (0.11054, 0.18316) | 57.5 (37.6, 81.9)      | 0.000039 (0.0000255, 0.0000556)  | 0.08209 (0.05750, 0.11079) |
| Jawa Tengah | Falls                                                    | 5   | 30.3 (17.8, 48.5)      | 0.0000195 (0.0000115, 0.0000312) | 0.02734 (0.01723, 0.04155) | 13.7 (7.9, 21.8)       | 0.0000093 (0.0000053, 0.0000148) | 0.01951 (0.01170, 0.03043) |
| Jawa Tengah | Interpersonal violence                                   | 5   | 2.6 (1.1, 5.2)         | 0.0000016 (0.0000007, 0.0000034) | 0.00232 (0.00100, 0.00473) | 1.8 (0.8, 3.7)         | 0.0000012 (0.0000005, 0.0000025) | 0.00263 (0.00119, 0.00509) |
| Jawa Tengah | Transport injuries                                       | 5   | 102.8 (68.5, 148.8)    | 0.0000661 (0.0000440, 0.0000957) | 0.09291 (0.06469, 0.12226) | 35.1 (22.5, 52.8)      | 0.0000238 (0.0000153, 0.0000358) | 0.05022 (0.03341, 0.07078) |
| Jawa Tengah | Other unintentional injuries                             | 5   | 39.2 (24.1, 60.0)      | 0.0000252 (0.0000155, 0.0000386) | 0.03542 (0.02327, 0.05175) | 16.6 (10.1, 25.8)      | 0.0000113 (0.0000068, 0.0000175) | 0.02372 (0.01543, 0.03522) |
| Jawa Tengah | Diarrheal diseases                                       | 10  | 60.6 (41.9, 82.8)      | 0.000037 (0.0000256, 0.0000505)  | 0.05428 (0.03840, 0.07200) | 54.5 (37.6, 75.7)      | 0.0000349 (0.0000240, 0.0000484) | 0.07521 (0.05324, 0.09983) |
| Jawa Tengah | HIV/AIDS                                                 | 10  | 9.3 (4.3, 17.1)        | 0.0000057 (0.0000026, 0.0000104) | 0.00833 (0.00387, 0.01505) | 6.0 (2.7, 11.5)        | 0.0000038 (0.0000017, 0.0000073) | 0.00825 (0.00379, 0.01586) |
| Jawa Tengah | Lower respiratory infections                             | 10  | 49.0 (34.6, 69.3)      | 0.0000299 (0.0000211, 0.0000423) | 0.04385 (0.03204, 0.05861) | 30.4 (21.1, 43.7)      | 0.0000194 (0.0000135, 0.0000280) | 0.04185 (0.03003, 0.05693) |
| Jawa Tengah | Malaria                                                  | 10  | 0.5 (0.1, 1.3)         | 0.0000003 (0.0000001, 0.0000008) | 0.00043 (0.00011, 0.00118) | 0.3 (0.1, 0.9)         | 0.0000002 (0.0000000, 0.0000006) | 0.00044 (0.00011, 0.00122) |
| Jawa Tengah | Tuberculosis                                             | 10  | 56.6 (39.8, 77.2)      | 0.0000345 (0.0000243, 0.0000471) | 0.05062 (0.03786, 0.06581) | 38.3 (27.1, 52.4)      | 0.0000245 (0.0000173, 0.0000335) | 0.05281 (0.03946, 0.06855) |
| Jawa Tengah | Maternal disorders                                       | 10  |                        |                                  |                            | 3.8 (0.6, 9.9)         | 0.0000025 (0.0000004, 0.0000064) | 0.00527 (0.00092, 0.01323) |
| Jawa Tengah | Other communicable diseases                              | 10  | 194.5 (150.4, 243.3)   | 0.0001187 (0.0000918, 0.0001485) | 0.17403 (0.14608, 0.20073) | 121.8 (93.8, 152.3)    | 0.0000779 (0.0000600, 0.0000974) | 0.16801 (0.13966, 0.19869) |
| Jawa Tengah | Other malignant neoplasms                                | 10  | 81.4 (60.0, 109.3)     | 0.0000497 (0.0000366, 0.0000667) | 0.0728 (0.05766, 0.09282)  | 74.7 (55.5, 96.2)      | 0.0000478 (0.0000355, 0.0000615) | 0.10304 (0.08132, 0.12706) |
| Jawa Tengah | Cerebrovascular disease                                  | 10  | 18.2 (11.0, 27.8)      | 0.0000111 (0.0000067, 0.0000170) | 0.01625 (0.01050, 0.02426) | 19.6 (11.9, 29.5)      | 0.0000125 (0.0000076, 0.0000188) | 0.02697 (0.01703, 0.03910) |
| Jawa Tengah | Ischemic heart disease                                   | 10  | 13.4 (8.2, 20.2)       | 0.0000082 (0.0000050, 0.0000123) | 0.01196 (0.00757, 0.01800) | 14.1 (8.9, 21.6)       | 0.000009 (0.0000057, 0.0000138)  | 0.01944 (0.01254, 0.02853) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 10  | 14.8 (8.7, 24.0)     | 0.000009 (0.0000053, 0.0000147)  | 0.01326 (0.00806, 0.02073)  | 16.1 (9.5, 25.6)     | 0.0000103 (0.0000061, 0.0000163) | 0.02222 (0.01367, 0.03448) |
| Jawa Tengah | Diabetes mellitus                             | 10  | 7.7 (4.3, 13.0)      | 0.0000047 (0.0000026, 0.0000079) | 0.00687 (0.00392, 0.01093)  | 9.6 (5.3, 16.1)      | 0.0000062 (0.0000034, 0.0000103) | 0.01329 (0.00754, 0.02134) |
| Jawa Tengah | Chronic kidney disease                        | 10  | 34.6 (22.6, 48.9)    | 0.0000211 (0.0000138, 0.0000299) | 0.03095 (0.02123, 0.04264)  | 29.6 (19.7, 42.8)    | 0.0000189 (0.0000126, 0.0000273) | 0.04082 (0.02862, 0.05559) |
| Jawa Tengah | Cirrhosis                                     | 10  | 42.4 (29.5, 59.9)    | 0.0000259 (0.0000180, 0.0000366) | 0.03792 (0.02775, 0.05060)  | 21.5 (14.6, 31.5)    | 0.0000137 (0.0000093, 0.0000201) | 0.02961 (0.02076, 0.04130) |
| Jawa Tengah | Chronic respiratory diseases                  | 10  | 32.3 (20.5, 46.7)    | 0.0000197 (0.0000125, 0.0000285) | 0.02888 (0.01946, 0.04029)  | 13.0 (7.9, 20.8)     | 0.0000083 (0.0000050, 0.0000133) | 0.01787 (0.01139, 0.02663) |
| Jawa Tengah | Other non-communicable diseases               | 10  | 148.6 (116.8, 187.7) | 0.0000907 (0.0000713, 0.0001146) | 0.13293 (0.11313, 0.15353)  | 143.1 (112.7, 181.2) | 0.0000915 (0.0000721, 0.0001159) | 0.19718 (0.16925, 0.22649) |
| Jawa Tengah | Drowning                                      | 10  | 92.2 (61.7, 131.0)   | 0.0000563 (0.0000377, 0.0000800) | 0.08242 (0.05756, 0.11220)  | 28.7 (16.7, 44.7)    | 0.0000184 (0.0000107, 0.0000286) | 0.03959 (0.02370, 0.05942) |
| Jawa Tengah | Falls                                         | 10  | 29.6 (17.8, 48.7)    | 0.0000181 (0.0000108, 0.0000297) | 0.02649 (0.01620, 0.04302)  | 12.3 (7.0, 21.6)     | 0.0000079 (0.0000045, 0.0000138) | 0.01702 (0.00970, 0.02894) |
| Jawa Tengah | Interpersonal violence                        | 10  | 4.3 (2.2, 7.6)       | 0.0000026 (0.0000014, 0.0000047) | 0.00386 (0.00209, 0.00680)  | 3.2 (1.7, 5.5)       | 0.000002 (0.0000011, 0.0000035)  | 0.00439 (0.00238, 0.00755) |
| Jawa Tengah | Self-harm                                     | 10  | 14.3 (7.0, 25.4)     | 0.0000087 (0.0000043, 0.0000155) | 0.0128 (0.00628, 0.02274)   | 9.1 (4.7, 16.4)      | 0.0000058 (0.0000030, 0.0000105) | 0.01257 (0.00652, 0.02138) |
| Jawa Tengah | Transport injuries                            | 10  | 171.5 (128.2, 224.1) | 0.0001047 (0.0000782, 0.0001368) | 0.15333 (0.12432, 0.18522)  | 58.0 (40.5, 79.6)    | 0.0000317 (0.0000259, 0.0000509) | 0.07999 (0.05907, 0.10421) |
| Jawa Tengah | Other unintentional injuries                  | 10  | 42.2 (28.6, 60.6)    | 0.0000258 (0.0000174, 0.0000370) | 0.03774 (0.02675, 0.05253)  | 17.5 (11.3, 26.0)    | 0.0000112 (0.0000072, 0.0000166) | 0.02415 (0.01640, 0.03421) |
| Jawa Tengah | Diarrheal diseases                            | 15  | 47.0 (28.2, 72.5)    | 0.0000313 (0.0000188, 0.0000483) | 0.02532 (0.01614, 0.03625)  | 32.1 (20.0, 45.7)    | 0.0000227 (0.0000142, 0.0000324) | 0.03228 (0.02069, 0.04554) |
| Jawa Tengah | HIV/AIDS                                      | 15  | 10.3 (4.0, 22.4)     | 0.0000069 (0.0000026, 0.0000149) | 0.00554 (0.00228, 0.01125)  | 5.1 (1.9, 10.7)      | 0.0000036 (0.0000014, 0.0000076) | 0.0051 (0.00199, 0.01094)  |
| Jawa Tengah | Lower respiratory infections                  | 15  | 28.7 (19.2, 43.1)    | 0.0000191 (0.0000128, 0.0000287) | 0.01546 (0.01112, 0.02149)  | 12.4 (8.1, 18.2)     | 0.0000088 (0.0000057, 0.0000129) | 0.0125 (0.00826, 0.01814)  |
| Jawa Tengah | Malaria                                       | 15  | 1.6 (0.4, 4.4)       | 0.0000011 (0.0000003, 0.0000029) | 0.00088 (0.000023, 0.00220) | 0.8 (0.2, 2.3)       | 0.0000006 (0.0000001, 0.0000016) | 0.00083 (0.00021, 0.00232) |
| Jawa Tengah | Tuberculosis                                  | 15  | 122.7 (90.5, 165.3)  | 0.0000818 (0.0000603, 0.0001102) | 0.06615 (0.05258, 0.08067)  | 56.0 (42.2, 72.3)    | 0.0000397 (0.0000299, 0.0000513) | 0.05644 (0.04381, 0.07055) |
| Jawa Tengah | Maternal disorders                            | 15  |                      |                                  |                             | 31.9 (19.0, 49.7)    | 0.0000226 (0.0000134, 0.0000352) | 0.0321 (0.01978, 0.04832)  |
| Jawa Tengah | Other communicable diseases                   | 15  | 186.4 (138.9, 244.2) | 0.0001242 (0.0000926, 0.0001627) | 0.10052 (0.08284, 0.11933)  | 86.9 (66.5, 111.7)   | 0.0000617 (0.0000471, 0.0000792) | 0.08761 (0.06874, 0.10745) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 15  | 9.9 (4.1, 19.0)      | 0.0000066 (0.0000027, 0.0000126) | 0.00532 (0.00233, 0.01012)  | 3.0 (1.2, 6.6)       | 0.0000022 (0.0000008, 0.0000047) | 0.00305 (0.00114, 0.00652) |
| Jawa Tengah | Breast cancer                                 | 15  | 0.4 (0.1, 1.5)       | 0.0000003 (0.0000000, 0.0000010) | 0.00023 (0.00003, 0.00079)  | 11.2 (3.8, 24.2)     | 0.0000079 (0.0000027, 0.0000172) | 0.01125 (0.00375, 0.02414) |
| Jawa Tengah | Cervical cancer                               | 15  |                      |                                  |                             | 7.5 (2.5, 16.4)      | 0.0000053 (0.0000018, 0.0000116) | 0.00758 (0.00248, 0.01622) |
| Jawa Tengah | Other malignant neoplasms                     | 15  | 107.7 (78.5, 147.1)  | 0.0000717 (0.0000523, 0.0000980) | 0.05804 (0.04606, 0.07150)  | 101.5 (75.2, 130.9)  | 0.000072 (0.0000533, 0.0000929)  | 0.10226 (0.07911, 0.12741) |
| Jawa Tengah | Cerebrovascular disease                       | 15  | 41.9 (25.2, 64.2)    | 0.0000279 (0.0000168, 0.0000428) | 0.02255 (0.01463, 0.03235)  | 33.5 (20.3, 50.0)    | 0.0000238 (0.0000144, 0.0000354) | 0.03373 (0.02085, 0.04885) |
| Jawa Tengah | Ischemic heart disease                        | 15  | 54.5 (36.5, 77.9)    | 0.0000363 (0.0000243, 0.0000519) | 0.02937 (0.02113, 0.03894)  | 35.2 (24.2, 49.9)    | 0.0000249 (0.0000172, 0.0000354) | 0.03542 (0.02471, 0.04884) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 15  | 28.1 (15.6, 45.7)    | 0.0000187 (0.0000104, 0.0000304) | 0.01513 (0.00903, 0.02351)  | 25.7 (13.7, 41.3)    | 0.0000182 (0.0000097, 0.0000293) | 0.02592 (0.01415, 0.04130) |
| Jawa Tengah | Diabetes mellitus                             | 15  | 14.8 (8.2, 24.5)     | 0.0000099 (0.0000054, 0.0000163) | 0.008 (0.00470, 0.01299)    | 16.0 (8.8, 26.2)     | 0.0000113 (0.0000063, 0.0000186) | 0.0161 (0.00901, 0.02641)  |
| Jawa Tengah | Chronic kidney disease                        | 15  | 61.1 (39.1, 90.3)    | 0.0000407 (0.0000261, 0.0000601) | 0.03295 (0.02271, 0.04587)  | 45.0 (29.0, 66.5)    | 0.0000319 (0.0000206, 0.0000471) | 0.04528 (0.03032, 0.06532) |
| Jawa Tengah | Cirrhosis                                     | 15  | 63.3 (41.8, 94.2)    | 0.0000422 (0.0000278, 0.0000628) | 0.0341 (0.02392, 0.04801)   | 27.5 (17.6, 41.3)    | 0.0000195 (0.0000125, 0.0000293) | 0.02774 (0.01828, 0.04176) |
| Jawa Tengah | Chronic respiratory diseases                  | 15  | 30.6 (19.0, 47.4)    | 0.0000204 (0.0000127, 0.0000316) | 0.0165 (0.01096, 0.02377)   | 13.1 (7.9, 20.4)     | 0.0000093 (0.0000056, 0.0000145) | 0.01319 (0.00802, 0.02064) |
| Jawa Tengah | Other non-communicable diseases               | 15  | 217.1 (166.9, 284.3) | 0.0001447 (0.0001112, 0.0001894) | 0.11714 (0.09925, 0.13639)  | 164.7 (131.2, 203.7) | 0.0001168 (0.0000930, 0.0001445) | 0.16582 (0.13804, 0.19610) |
| Jawa Tengah | Drowning                                      | 15  | 60.9 (38.5, 91.4)    | 0.0000406 (0.0000257, 0.0000609) | 0.03285 (0.02257, 0.04650)  | 15.9 (9.2, 25.8)     | 0.0000113 (0.0000065, 0.0000183) | 0.016 (0.00945, 0.02521)   |
| Jawa Tengah | Falls                                         | 15  | 34.0 (21.1, 52.8)    | 0.0000227 (0.0000140, 0.0000352) | 0.01839 (0.01206, 0.02740)  | 12.3 (7.2, 20.3)     | 0.0000087 (0.0000051, 0.0000144) | 0.01242 (0.00716, 0.02034) |
| Jawa Tengah | Interpersonal violence                        | 15  | 12.3 (6.6, 21.2)     | 0.0000082 (0.0000044, 0.0000141) | 0.00665 (0.00382, 0.01058)  | 8.0 (4.4, 13.6)      | 0.0000057 (0.0000031, 0.0000097) | 0.00806 (0.00444, 0.01343) |
| Jawa Tengah | Self-harm                                     | 15  | 34.2 (21.0, 52.0)    | 0.0000228 (0.0000140, 0.0000346) | 0.01845 (0.01211, 0.02607)  | 19.3 (11.8, 30.2)    | 0.0000137 (0.0000084, 0.0000214) | 0.01942 (0.01193, 0.03018) |
| Jawa Tengah | Transport injuries                            | 15  | 610.4 (487.5, 774.8) | 0.0004067 (0.0003249, 0.0005163) | 0.32911 (0.30004, 0.35765)  | 200.6 (166.3, 242.2) | 0.0001422 (0.0001179, 0.0001718) | 0.20205 (0.17453, 0.23186) |
| Jawa Tengah | Other unintentional injuries                  | 15  | 76.7 (54.7, 108.2)   | 0.0000511 (0.0000365, 0.0000721) | 0.04135 (0.03133, 0.05332)  | 27.7 (18.7, 39.1)    | 0.0000196 (0.0000133, 0.0000277) | 0.02788 (0.01933, 0.03886) |
| Jawa Tengah | Diarrheal diseases                            | 20  | 41.3 (25.9, 63.0)    | 0.0000333 (0.0000209, 0.0000508) | 0.02213 (0.01479, 0.03170)  | 29.2 (18.5, 41.9)    | 0.0000227 (0.0000144, 0.0000327) | 0.02694 (0.01773, 0.03754) |
| Jawa Tengah | HIV/AIDS                                      | 20  | 30.5 (15.6, 52.2)    | 0.0000246 (0.0000126, 0.0000420) | 0.01632 (0.00896, 0.02676)  | 15.2 (8.1, 25.2)     | 0.0000118 (0.0000063, 0.0000196) | 0.01405 (0.00741, 0.02278) |
| Jawa Tengah | Lower respiratory infections                  | 20  | 24.5 (16.2, 35.9)    | 0.0000197 (0.0000131, 0.0000289) | 0.01311 (0.00932, 0.01764)  | 9.8 (6.3, 14.1)      | 0.0000077 (0.0000024, 0.0000110) | 0.00908 (0.00633, 0.01271) |
| Jawa Tengah | Malaria                                       | 20  | 1.9 (0.5, 5.2)       | 0.0000015 (0.0000004, 0.0000042) | 0.001 (0.00026, 0.00260)    | 0.9 (0.2, 2.6)       | 0.0000007 (0.0000002, 0.0000020) | 0.00087 (0.00022, 0.00238) |
| Jawa Tengah | Tuberculosis                                  | 20  | 223.3 (170.5, 298.7) | 0.00018 (0.0001374, 0.0002407)   | 0.11971 (0.10209, 0.13928)  | 89.2 (68.8, 111.9)   | 0.0000695 (0.0000536, 0.0000872) | 0.08235 (0.06679, 0.10042) |
| Jawa Tengah | Maternal disorders                            | 20  |                      |                                  |                             | 58.8 (39.3, 82.3)    | 0.0000458 (0.0000306, 0.0000641) | 0.05431 (0.03748, 0.07308) |
| Jawa Tengah | Other communicable diseases                   | 20  | 210.8 (159.6, 281.6) | 0.0001699 (0.0001287, 0.0002270) | 0.11293 (0.09630, 0.13195)  | 102.3 (79.1, 128.6)  | 0.0000797 (0.0000616, 0.0001002) | 0.09451 (0.07642, 0.11412) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 20  | 8.5 (3.5, 16.6)      | 0.0000069 (0.0000028, 0.0000134) | 0.00458 (0.00197, 0.00870)  | 4.5 (1.9, 8.7)       | 0.0000035 (0.0000015, 0.0000068) | 0.0042 (0.00184, 0.00791)  |
| Jawa Tengah | Breast cancer                                 | 20  | 0.6 (0.1, 1.5)       | 0.0000005 (0.0000001, 0.0000012) | 0.00031 (0.00008, 0.00080)  | 33.2 (19.6, 52.3)    | 0.0000259 (0.0000153, 0.0000407) | 0.03068 (0.01831, 0.04702) |
| Jawa Tengah | Cervical cancer                               | 20  |                      |                                  |                             | 16.6 (8.5, 28.5)     | 0.000013 (0.0000066, 0.0000222)  | 0.01537 (0.00809, 0.02580) |
| Jawa Tengah | Other malignant neoplasms                     | 20  | 88.7 (65.6, 123.2)   | 0.0000715 (0.0000529, 0.0000993) | 0.04752 (0.03853, 0.05764)  | 110.7 (83.6, 140.7)  | 0.0000863 (0.0000651, 0.0001096) | 0.10226 (0.08112, 0.12558) |
| Jawa Tengah | Cerebrovascular disease                       | 20  | 69.1 (49.9, 96.9)    | 0.0000557 (0.0000402, 0.0000781) | 0.03702 (0.02924, 0.04643)  | 51.1 (37.8, 66.6)    | 0.0000398 (0.0000294, 0.0000518) | 0.04722 (0.03633, 0.05965) |
| Jawa Tengah | Ischemic heart disease                        | 20  | 88.2 (64.8, 120.2)   | 0.0000711 (0.0000523, 0.0000969) | 0.04731 (0.03762, 0.05827)  | 41.0 (30.4, 54.2)    | 0.000032 (0.0000236, 0.0000422)  | 0.03791 (0.02881, 0.04848) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 20  | 37.2 (24.8, 55.7)    | 0.00003 (0.0000200, 0.0000449)   | 0.01994 (0.01442, 0.02613)  | 35.9 (25.0, 50.0)    | 0.000028 (0.0000194, 0.0000389)  | 0.03316 (0.02413, 0.04422) |
| Jawa Tengah | Diabetes mellitus                             | 20  | 12.7 (7.4, 19.5)     | 0.0000102 (0.0000060, 0.0000157) | 0.0068 (0.00430, 0.01011)   | 14.3 (8.7, 22.1)     | 0.0000112 (0.0000068, 0.0000172) | 0.01325 (0.00827, 0.02002) |
| Jawa Tengah | Chronic kidney disease                        | 20  | 83.8 (59.5, 118.2)   | 0.0000675 (0.0000480, 0.0000952) | 0.04489 (0.03502, 0.05691)  | 64.2 (46.2, 85.7)    | 0.00005 (0.0000360, 0.0000668)   | 0.05928 (0.04458, 0.07686) |
| Jawa Tengah | Cirrhosis                                     | 20  | 88.3 (63.4, 122.9)   | 0.0000712 (0.0000511, 0.0000990) | 0.04733 (0.03697, 0.05808)  | 41.0 (29.1, 55.5)    | 0.000032 (0.0000227, 0.0000432)  | 0.03787 (0.02777, 0.04931) |
| Jawa Tengah | Chronic respiratory diseases                  | 20  | 54.8 (38.2, 76.4)    | 0.0000442 (0.0000308, 0.0000616) | 0.0294 (0.02200, 0.03810)   | 31.9 (22.5, 43.9)    | 0.0000248 (0.0000175, 0.0000342) | 0.02945 (0.02138, 0.03915) |
| Jawa Tengah | Other non-communicable diseases               | 20  | 182.5 (141.3, 246.5) | 0.0001471 (0.0001139, 0.0001987) | 0.09781 (0.08386, 0.11487)  | 137.6 (109.8, 169.8) | 0.0001072 (0.0000856, 0.0001323) | 0.12705 (0.10759, 0.14827) |
| Jawa Tengah | Drowning                                      | 20  | 38.5 (22.5, 59.4)    | 0.000031 (0.0000181, 0.0000479)  | 0.02064 (0.01273, 0.03059)  | 9.7 (5.0, 15.9)      | 0.0000075 (0.0000039, 0.0000124) | 0.00891 (0.00471, 0.01461) |
| Jawa Tengah | Falls                                         | 20  | 29.3 (17.6, 44.2)    | 0.0000236 (0.0000142, 0.0000356) | 0.01571 (0.01017, 0.02265)  | 10.1 (5.9, 16.4)     | 0.0000079 (0.0000046, 0.0000128) | 0.00935 (0.00552, 0.01490) |
| Jawa Tengah | Interpersonal violence                        | 20  | 13.0 (7.0, 22.2)     | 0.0000105 (0.0000057, 0.0000179) | 0.00697 (0.00415, 0.01114)  | 7.8 (4.2, 13.3)      | 0.000006 (0.0000033, 0.0000104)  | 0.00717 (0.00399, 0.01191) |
| Jawa Tengah | Self-harm                                     | 20  | 30.9 (19.4, 47.5)    | 0.0000249 (0.0000156, 0.0000383) | 0.01656 (0.01113, 0.02320)  | 15.9 (9.5, 24.7)     | 0.0000124 (0.0000074, 0.0000193) | 0.01474 (0.00916, 0.02239) |
| Jawa Tengah | Transport injuries                            | 20  | 432.7 (340.4, 571.7) | 0.0003488 (0.0002744, 0.0004608) | 0.23185 (0.20836, 0.25586)  | 126.3 (99.6, 155.8)  | 0.0000984 (0.0000776, 0.0001213) | 0.11665 (0.09866, 0.13671) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Other unintentional injuries                  | 20  | 75.0 (52.4, 106.1)   | 0.0000605 (0.0000422, 0.0000855) | 0.04018 (0.03059, 0.05089)  | 25.3 (17.0, 35.7)    | 0.0000197 (0.0000132, 0.0000278) | 0.02339 (0.01626, 0.03233) |
| Jawa Tengah | Diarrheal diseases                            | 25  | 71.6 (48.3, 103.7)   | 0.0000525 (0.0000354, 0.0000759) | 0.02773 (0.01952, 0.03786)  | 41.4 (27.9, 60.8)    | 0.0000293 (0.0000197, 0.0000429) | 0.03233 (0.02283, 0.04362) |
| Jawa Tengah | HIV/AIDS                                      | 25  | 67.9 (42.4, 102.9)   | 0.0000497 (0.0000311, 0.0000754) | 0.02632 (0.01688, 0.03820)  | 28.3 (16.5, 44.6)    | 0.00002 (0.0000117, 0.0000315)   | 0.02208 (0.01340, 0.03308) |
| Jawa Tengah | Lower respiratory infections                  | 25  | 30.3 (20.7, 43.0)    | 0.0000222 (0.0000152, 0.0000315) | 0.01174 (0.00846, 0.01561)  | 10.1 (6.5, 15.1)     | 0.0000071 (0.0000046, 0.0000106) | 0.00788 (0.00535, 0.01113) |
| Jawa Tengah | Malaria                                       | 25  | 2.4 (0.6, 6.4)       | 0.0000018 (0.0000005, 0.0000046) | 0.00093 (0.00025, 0.00245)  | 1.0 (0.3, 2.7)       | 0.0000007 (0.0000002, 0.0000019) | 0.00077 (0.00020, 0.00201) |
| Jawa Tengah | Tuberculosis                                  | 25  | 364.0 (299.9, 465.2) | 0.0002666 (0.0002197, 0.0003408) | 0.14106 (0.12389, 0.15856)  | 117.8 (90.9, 153.0)  | 0.0000832 (0.0000642, 0.0001081) | 0.09199 (0.07679, 0.10736) |
| Jawa Tengah | Maternal disorders                            | 25  |                      |                                  |                             | 70.7 (48.4, 99.9)    | 0.0000499 (0.0000342, 0.0000706) | 0.05517 (0.04022, 0.07275) |
| Jawa Tengah | Other communicable diseases                   | 25  | 273.1 (216.7, 344.3) | 0.0002001 (0.0001587, 0.0002522) | 0.10586 (0.09011, 0.12309)  | 109.2 (80.1, 141.2)  | 0.0000771 (0.0000565, 0.0000997) | 0.08525 (0.06926, 0.10110) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 25  | 14.9 (7.3, 25.2)     | 0.0000109 (0.0000053, 0.0000185) | 0.00578 (0.00290, 0.00974)  | 6.0 (2.8, 11.1)      | 0.0000043 (0.0000020, 0.0000079) | 0.00471 (0.00235, 0.00833) |
| Jawa Tengah | Breast cancer                                 | 25  | 0.9 (0.3, 2.2)       | 0.0000007 (0.0000002, 0.0000016) | 0.00036 (0.00012, 0.00085)  | 68.6 (47.9, 94.9)    | 0.0000485 (0.0000338, 0.0000670) | 0.05362 (0.03919, 0.07094) |
| Jawa Tengah | Cervical cancer                               | 25  |                      |                                  |                             | 30.6 (18.8, 48.3)    | 0.0000216 (0.0000133, 0.0000341) | 0.02388 (0.01502, 0.03527) |
| Jawa Tengah | Other malignant neoplasms                     | 25  | 152.9 (123.4, 193.7) | 0.000112 (0.0000904, 0.0001419)  | 0.05921 (0.05114, 0.06843)  | 123.1 (93.0, 158.9)  | 0.000087 (0.0000657, 0.0001122)  | 0.09613 (0.07843, 0.11505) |
| Jawa Tengah | Cerebrovascular disease                       | 25  | 146.0 (116.5, 187.2) | 0.0001069 (0.0000853, 0.0001372) | 0.05657 (0.04850, 0.06510)  | 85.0 (62.9, 108.7)   | 0.00006 (0.0000444, 0.0000768)   | 0.06635 (0.05619, 0.07747) |
| Jawa Tengah | Ischemic heart disease                        | 25  | 192.7 (156.5, 241.8) | 0.0001412 (0.0001146, 0.0001771) | 0.0747 (0.06491, 0.08559)   | 68.4 (51.4, 87.9)    | 0.0000483 (0.0000363, 0.0000621) | 0.0534 (0.04389, 0.06260)  |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 25  | 59.4 (44.6, 79.2)    | 0.0000435 (0.0000326, 0.0000580) | 0.02301 (0.01825, 0.02857)  | 45.8 (33.2, 62.9)    | 0.0000324 (0.0000234, 0.0000444) | 0.03578 (0.02763, 0.04543) |
| Jawa Tengah | Diabetes mellitus                             | 25  | 26.3 (19.0, 36.1)    | 0.0000193 (0.0000139, 0.0000264) | 0.01021 (0.00762, 0.01340)  | 23.0 (15.9, 32.7)    | 0.0000162 (0.0000112, 0.0000231) | 0.01796 (0.01311, 0.02377) |
| Jawa Tengah | Chronic kidney disease                        | 25  | 117.2 (90.9, 153.1)  | 0.0000859 (0.0000666, 0.0001121) | 0.04542 (0.03746, 0.05442)  | 69.3 (51.1, 92.5)    | 0.0000489 (0.0000361, 0.0000654) | 0.05406 (0.04355, 0.06565) |
| Jawa Tengah | Cirrhosis                                     | 25  | 150.0 (117.2, 190.6) | 0.0001099 (0.0000858, 0.0001396) | 0.05813 (0.04889, 0.06779)  | 54.6 (39.6, 73.0)    | 0.0000386 (0.0000279, 0.0000516) | 0.04261 (0.03385, 0.05266) |
| Jawa Tengah | Chronic respiratory diseases                  | 25  | 83.6 (63.0, 111.9)   | 0.0000612 (0.0000461, 0.0000820) | 0.03236 (0.02581, 0.03955)  | 39.0 (27.6, 52.8)    | 0.0000276 (0.0000195, 0.0000373) | 0.03046 (0.02334, 0.03911) |
| Jawa Tengah | Other non-communicable diseases               | 25  | 254.1 (209.1, 324.3) | 0.0001861 (0.0001532, 0.0002375) | 0.09844 (0.08697, 0.11028)  | 152.3 (118.0, 194.4) | 0.0001075 (0.0000833, 0.0001373) | 0.11883 (0.10385, 0.13416) |
| Jawa Tengah | Drowning                                      | 25  | 29.7 (15.7, 48.8)    | 0.0000217 (0.0000115, 0.0000357) | 0.0115 (0.00613, 0.01827)   | 5.8 (2.9, 10.0)      | 0.0000041 (0.0000020, 0.0000071) | 0.00449 (0.00235, 0.00774) |
| Jawa Tengah | Falls                                         | 25  | 48.9 (32.5, 70.9)    | 0.0000358 (0.0000238, 0.0000519) | 0.01894 (0.01317, 0.02613)  | 13.0 (8.2, 20.2)     | 0.0000092 (0.0000058, 0.0000142) | 0.01017 (0.00654, 0.01528) |
| Jawa Tengah | Interpersonal violence                        | 25  | 15.5 (9.1, 26.3)     | 0.0000114 (0.0000067, 0.0000192) | 0.00601 (0.00355, 0.00969)  | 6.9 (3.8, 11.9)      | 0.0000049 (0.0000027, 0.0000084) | 0.00541 (0.00298, 0.00915) |
| Jawa Tengah | Self-harm                                     | 25  | 34.2 (22.8, 50.4)    | 0.0000251 (0.0000167, 0.0000369) | 0.01323 (0.00922, 0.01892)  | 13.1 (7.9, 20.3)     | 0.0000093 (0.0000055, 0.0000143) | 0.01023 (0.00647, 0.01528) |
| Jawa Tengah | Transport injuries                            | 25  | 339.8 (271.7, 435.7) | 0.0002489 (0.0001991, 0.0003192) | 0.13165 (0.11241, 0.15260)  | 70.9 (51.7, 94.5)    | 0.0000501 (0.0000365, 0.0000668) | 0.05534 (0.04446, 0.06879) |
| Jawa Tengah | Other unintentional injuries                  | 25  | 105.5 (77.4, 141.4)  | 0.0000772 (0.0000567, 0.0001036) | 0.04085 (0.03204, 0.05188)  | 27.0 (18.1, 39.2)    | 0.0000191 (0.0000128, 0.0000277) | 0.0211 (0.01527, 0.02835)  |
| Jawa Tengah | Diarrheal diseases                            | 30  | 75.8 (52.6, 106.2)   | 0.0000561 (0.0000390, 0.0000787) | 0.02928 (0.02101, 0.03846)  | 44.6 (29.3, 64.5)    | 0.0000325 (0.0000213, 0.0000470) | 0.02842 (0.02098, 0.03692) |
| Jawa Tengah | HIV/AIDS                                      | 30  | 65.0 (42.2, 97.3)    | 0.0000482 (0.0000313, 0.0000721) | 0.02513 (0.01701, 0.03618)  | 28.5 (17.4, 45.3)    | 0.0000208 (0.0000127, 0.0000330) | 0.01816 (0.01154, 0.02711) |
| Jawa Tengah | Lower respiratory infections                  | 30  | 27.0 (19.3, 37.0)    | 0.00002 (0.0000143, 0.0000274)   | 0.01044 (0.00778, 0.01356)  | 9.8 (6.4, 14.2)      | 0.0000071 (0.0000046, 0.0000103) | 0.00622 (0.00447, 0.00839) |
| Jawa Tengah | Malaria                                       | 30  | 1.8 (0.5, 4.6)       | 0.0000013 (0.0000003, 0.0000034) | 0.00069 (0.000019, 0.00173) | 0.7 (0.2, 2.0)       | 0.0000005 (0.0000001, 0.0000015) | 0.00046 (0.00013, 0.00126) |
| Jawa Tengah | Tuberculosis                                  | 30  | 317.3 (259.3, 394.8) | 0.0002352 (0.0001922, 0.0002926) | 0.12264 (0.10725, 0.13865)  | 108.5 (80.8, 143.5)  | 0.000079 (0.0000588, 0.0001045)  | 0.06911 (0.05740, 0.08057) |
| Jawa Tengah | Maternal disorders                            | 30  |                      |                                  |                             | 114.4 (80.7, 159.9)  | 0.0000833 (0.0000588, 0.0001164) | 0.07289 (0.05608, 0.09041) |
| Jawa Tengah | Other communicable diseases                   | 30  | 187.3 (146.0, 240.5) | 0.0001388 (0.0001082, 0.0001782) | 0.07239 (0.06027, 0.08671)  | 76.6 (54.1, 105.4)   | 0.0000558 (0.0000394, 0.0000767) | 0.04883 (0.03811, 0.06080) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 30  | 24.0 (12.9, 43.1)    | 0.0000178 (0.0000096, 0.0000320) | 0.00928 (0.00506, 0.01631)  | 7.6 (4.0, 12.4)      | 0.0000054 (0.0000029, 0.0000090) | 0.0047 (0.00267, 0.00768)  |
| Jawa Tengah | Breast cancer                                 | 30  | 1.3 (0.4, 3.2)       | 0.0000009 (0.0000003, 0.0000024) | 0.00049 (0.00016, 0.00124)  | 110.7 (80.2, 153.7)  | 0.0000806 (0.0000584, 0.0001119) | 0.07057 (0.05586, 0.08673) |
| Jawa Tengah | Cervical cancer                               | 30  |                      |                                  |                             | 57.8 (38.1, 88.2)    | 0.0000421 (0.0000278, 0.0000642) | 0.0368 (0.02583, 0.04978)  |
| Jawa Tengah | Other malignant neoplasms                     | 30  | 194.7 (158.5, 245.4) | 0.0001443 (0.0001175, 0.0001819) | 0.07526 (0.06582, 0.08541)  | 133.7 (98.1, 181.1)  | 0.0000973 (0.0000714, 0.0001318) | 0.08516 (0.07052, 0.10100) |
| Jawa Tengah | Cerebrovascular disease                       | 30  | 213.1 (175.6, 262.1) | 0.0001579 (0.0001301, 0.0001942) | 0.08238 (0.07327, 0.09234)  | 148.6 (113.6, 198.3) | 0.0001082 (0.0000827, 0.0001444) | 0.09468 (0.08381, 0.10607) |
| Jawa Tengah | Ischemic heart disease                        | 30  | 242.6 (202.4, 295.8) | 0.0001798 (0.0001500, 0.0002192) | 0.09378 (0.08364, 0.10416)  | 106.4 (80.5, 141.7)  | 0.0000775 (0.0000586, 0.0001032) | 0.0678 (0.05902, 0.07696)  |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 30  | 66.9 (52.7, 85.1)    | 0.0000496 (0.0000390, 0.0000631) | 0.02587 (0.02131, 0.03128)  | 60.2 (44.6, 84.4)    | 0.0000438 (0.0000325, 0.0000614) | 0.03835 (0.03084, 0.04719) |
| Jawa Tengah | Diabetes mellitus                             | 30  | 40.0 (30.7, 52.1)    | 0.0000297 (0.0000228, 0.0000386) | 0.01548 (0.01232, 0.01901)  | 40.3 (28.9, 55.5)    | 0.0000293 (0.0000211, 0.0000404) | 0.02566 (0.02019, 0.03144) |
| Jawa Tengah | Chronic kidney disease                        | 30  | 115.8 (91.5, 145.7)  | 0.0000858 (0.0000678, 0.0001080) | 0.04476 (0.03755, 0.05230)  | 78.7 (56.6, 108.0)   | 0.0000573 (0.0000412, 0.0000786) | 0.05011 (0.04146, 0.05955) |
| Jawa Tengah | Cirrhosis                                     | 30  | 187.3 (151.3, 232.1) | 0.0001388 (0.0001121, 0.0001720) | 0.07237 (0.06229, 0.08369)  | 80.3 (58.6, 111.6)   | 0.0000585 (0.0000427, 0.0000813) | 0.05115 (0.04252, 0.06098) |
| Jawa Tengah | Chronic respiratory diseases                  | 30  | 82.6 (63.7, 108.2)   | 0.0000612 (0.0000472, 0.0000802) | 0.03192 (0.02547, 0.03887)  | 43.5 (30.8, 59.5)    | 0.0000317 (0.0000224, 0.0000433) | 0.0277 (0.02182, 0.03460)  |
| Jawa Tengah | Other non-communicable diseases               | 30  | 244.6 (203.2, 302.7) | 0.0001813 (0.0001506, 0.0002243) | 0.09455 (0.08512, 0.10535)  | 173.9 (133.0, 232.4) | 0.0001266 (0.0000968, 0.0001692) | 0.11077 (0.09955, 0.12323) |
| Jawa Tengah | Drowning                                      | 30  | 35.0 (20.2, 54.0)    | 0.0000259 (0.0000149, 0.0000400) | 0.01353 (0.00810, 0.02061)  | 8.7 (4.6, 15.1)      | 0.0000064 (0.0000034, 0.0000110) | 0.00555 (0.00315, 0.00898) |
| Jawa Tengah | Falls                                         | 30  | 58.6 (40.6, 84.3)    | 0.0000435 (0.0000301, 0.0000625) | 0.02267 (0.01616, 0.03099)  | 19.7 (12.4, 29.9)    | 0.0000143 (0.0000090, 0.0000217) | 0.01254 (0.00847, 0.01792) |
| Jawa Tengah | Interpersonal violence                        | 30  | 10.7 (6.2, 17.8)     | 0.0000079 (0.0000046, 0.0000132) | 0.00413 (0.00248, 0.00674)  | 5.7 (3.1, 9.7)       | 0.0000042 (0.0000023, 0.0000071) | 0.00364 (0.00203, 0.00593) |
| Jawa Tengah | Self-harm                                     | 30  | 22.6 (15.0, 33.3)    | 0.0000168 (0.0000111, 0.0000247) | 0.00874 (0.00584, 0.01220)  | 10.3 (6.1, 16.0)     | 0.0000075 (0.0000045, 0.0000117) | 0.00656 (0.00425, 0.00963) |
| Jawa Tengah | Transport injuries                            | 30  | 282.5 (228.3, 359.9) | 0.0002094 (0.0001692, 0.0002668) | 0.10915 (0.09357, 0.12689)  | 72.3 (51.8, 98.5)    | 0.0000527 (0.0000377, 0.0000717) | 0.04608 (0.03730, 0.05639) |
| Jawa Tengah | Other unintentional injuries                  | 30  | 90.7 (67.2, 120.3)   | 0.0000672 (0.0000498, 0.0000892) | 0.03506 (0.02683, 0.04502)  | 28.4 (18.7, 42.6)    | 0.0000207 (0.0000136, 0.0000310) | 0.0181 (0.01314, 0.02364)  |
| Jawa Tengah | Diarrheal diseases                            | 35  | 77.1 (52.7, 107.3)   | 0.00006 (0.0000410, 0.0000835)   | 0.02245 (0.01611, 0.03031)  | 55.2 (37.7, 79.7)    | 0.0000418 (0.0000286, 0.0000604) | 0.02461 (0.01790, 0.03290) |
| Jawa Tengah | HIV/AIDS                                      | 35  | 65.6 (41.6, 97.9)    | 0.000051 (0.0000323, 0.0000762)  | 0.01907 (0.01264, 0.02805)  | 33.3 (20.2, 53.7)    | 0.0000252 (0.0000153, 0.0000407) | 0.01487 (0.00950, 0.02232) |
| Jawa Tengah | Lower respiratory infections                  | 35  | 34.1 (25.0, 46.2)    | 0.0000266 (0.0000194, 0.0000359) | 0.00993 (0.00762, 0.01278)  | 15.0 (10.1, 21.5)    | 0.0000113 (0.0000076, 0.0000163) | 0.00668 (0.00488, 0.00880) |
| Jawa Tengah | Malaria                                       | 35  | 1.7 (0.5, 4.3)       | 0.0000014 (0.0000004, 0.0000034) | 0.00051 (0.00014, 0.00124)  | 0.8 (0.2, 2.1)       | 0.0000006 (0.0000002, 0.0000016) | 0.00035 (0.00010, 0.00088) |
| Jawa Tengah | Tuberculosis                                  | 35  | 383.7 (311.4, 472.2) | 0.0002986 (0.0002423, 0.0003675) | 0.11165 (0.09773, 0.12627)  | 144.4 (107.5, 193.2) | 0.0001094 (0.0000814, 0.0001463) | 0.06441 (0.05422, 0.07569) |
| Jawa Tengah | Maternal disorders                            | 35  |                      |                                  |                             | 114.4 (79.6, 160.5)  | 0.0000866 (0.0000603, 0.0001215) | 0.05101 (0.03870, 0.06480) |
| Jawa Tengah | Other communicable diseases                   | 35  | 196.6 (150.9, 252.6) | 0.000153 (0.0001174, 0.0001966)  | 0.05718 (0.04649, 0.06831)  | 100.1 (71.1, 138.7)  | 0.0000758 (0.0000539, 0.0001050) | 0.04461 (0.03560, 0.05506) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 35  | 21.0 (10.5, 35.9)    | 0.0000164 (0.0000082, 0.0000280) | 0.00612 (0.00318, 0.01035)  | 11.2 (6.7, 17.8)     | 0.0000085 (0.0000050, 0.0000135) | 0.005 (0.00315, 0.00755)   |
| Jawa Tengah | Breast cancer                                 | 35  | 2.7 (1.0, 6.0)       | 0.0000021 (0.0000008, 0.0000047) | 0.00077 (0.00031, 0.00169)  | 173.7 (128.6, 236.5) | 0.0001316 (0.0000974, 0.0001791) | 0.07748 (0.06340, 0.09275) |
| Jawa Tengah | Cervical cancer                               | 35  |                      |                                  |                             | 114.5 (79.9, 166.4)  | 0.0000867 (0.0000605, 0.0001260) | 0.05102 (0.03860, 0.06506) |
| Jawa Tengah | Other malignant neoplasms                     | 35  | 293.7 (242.8, 354.5) | 0.0002285 (0.0001889, 0.0002758) | 0.08548 (0.07541, 0.09639)  | 161.8 (118.6, 218.1) | 0.0001226 (0.0000898, 0.0001652) | 0.07213 (0.05998, 0.08518) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                    |                                  |                            | Females                |                                  |                            |
|-------------|-----------------------------------------------|-----|--------------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Cerebrovascular disease                       | 35  | 394.2 (330.3, 477.5)     | 0.0003068 (0.0002570, 0.0003716) | 0.11475 (0.10435, 0.12611) | 286.0 (219.6, 376.4)   | 0.0002166 (0.0001663, 0.0002850) | 0.12751 (0.11614, 0.14013) |
| Jawa Tengah | Ischemic heart disease                        | 35  | 405.3 (339.9, 488.7)     | 0.0003154 (0.0002645, 0.0003803) | 0.11796 (0.10758, 0.12952) | 180.8 (138.7, 238.8)   | 0.0001369 (0.0001050, 0.0001809) | 0.08064 (0.07133, 0.09060) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 35  | 98.6 (78.4, 122.2)       | 0.0000767 (0.0000610, 0.0000951) | 0.0287 (0.02422, 0.03393)  | 90.1 (66.8, 121.4)     | 0.0000682 (0.0000506, 0.0000919) | 0.04016 (0.03319, 0.04788) |
| Jawa Tengah | Diabetes mellitus                             | 35  | 86.3 (68.1, 109.1)       | 0.0000672 (0.0000530, 0.0000849) | 0.02513 (0.02050, 0.02990) | 86.3 (63.3, 116.7)     | 0.0000654 (0.0000480, 0.0000884) | 0.03848 (0.03153, 0.04641) |
| Jawa Tengah | Chronic kidney disease                        | 35  | 156.3 (125.2, 194.0)     | 0.0001216 (0.0000974, 0.0001510) | 0.04548 (0.03872, 0.05312) | 104.1 (78.4, 139.8)    | 0.0000788 (0.0000593, 0.0001059) | 0.04639 (0.03955, 0.05440) |
| Jawa Tengah | Cirrhosis                                     | 35  | 275.2 (225.8, 334.6)     | 0.0002141 (0.0001757, 0.0002604) | 0.08008 (0.07068, 0.09139) | 123.6 (91.6, 167.4)    | 0.0000936 (0.0000694, 0.0001268) | 0.05512 (0.04662, 0.06432) |
| Jawa Tengah | Chronic respiratory diseases                  | 35  | 114.4 (91.0, 144.5)      | 0.0000891 (0.0000708, 0.0001125) | 0.03331 (0.02748, 0.04008) | 59.1 (42.7, 81.3)      | 0.0000448 (0.0000323, 0.0000615) | 0.02637 (0.02134, 0.03185) |
| Jawa Tengah | Other non-communicable diseases               | 35  | 294.8 (245.3, 354.4)     | 0.0002294 (0.0001909, 0.0002758) | 0.0858 (0.07672, 0.09549)  | 216.7 (166.3, 287.5)   | 0.0001641 (0.0001260, 0.0002177) | 0.09659 (0.08721, 0.10729) |
| Jawa Tengah | Drowning                                      | 35  | 55.0 (33.6, 86.4)        | 0.0000428 (0.0000262, 0.0000673) | 0.01602 (0.00999, 0.02513) | 16.9 (9.0, 29.2)       | 0.0000128 (0.0000068, 0.0000221) | 0.00754 (0.00429, 0.01212) |
| Jawa Tengah | Falls                                         | 35  | 72.7 (50.6, 102.2)       | 0.0000566 (0.0000393, 0.0000795) | 0.02116 (0.01512, 0.02867) | 28.5 (17.5, 42.4)      | 0.0000216 (0.0000133, 0.0000321) | 0.0127 (0.00858, 0.01793)  |
| Jawa Tengah | Interpersonal violence                        | 35  | 10.5 (6.1, 17.2)         | 0.0000081 (0.0000047, 0.0000134) | 0.00304 (0.00184, 0.00489) | 5.6 (3.1, 9.6)         | 0.0000043 (0.0000023, 0.0000073) | 0.0025 (0.00142, 0.00407)  |
| Jawa Tengah | Self-harm                                     | 35  | 23.5 (15.2, 34.1)        | 0.0000183 (0.0000118, 0.0000265) | 0.00684 (0.00459, 0.00959) | 10.4 (6.1, 15.9)       | 0.0000079 (0.0000046, 0.0000121) | 0.00466 (0.00296, 0.00678) |
| Jawa Tengah | Transport injuries                            | 35  | 272.5 (215.4, 342.3)     | 0.000212 (0.0001676, 0.0002664)  | 0.07927 (0.06682, 0.09176) | 76.5 (54.8, 103.8)     | 0.000058 (0.0000415, 0.0000786)  | 0.03415 (0.02718, 0.04173) |
| Jawa Tengah | Other unintentional injuries                  | 35  | 100.7 (72.2, 132.6)      | 0.0000783 (0.0000562, 0.0001032) | 0.02929 (0.02258, 0.03732) | 33.7 (23.0, 48.7)      | 0.0000255 (0.0000174, 0.0000369) | 0.01504 (0.01085, 0.01944) |
| Jawa Tengah | Diarrheal diseases                            | 40  | 100.8 (72.4, 135.8)      | 0.000079 (0.0000568, 0.0001064)  | 0.02028 (0.01521, 0.02629) | 82.5 (57.4, 113.8)     | 0.0000625 (0.0000435, 0.0000862) | 0.02557 (0.01971, 0.03227) |
| Jawa Tengah | HIV/AIDS                                      | 40  | 41.0 (24.5, 64.2)        | 0.0000321 (0.0000192, 0.0000503) | 0.00824 (0.00515, 0.01235) | 24.1 (13.8, 38.4)      | 0.0000182 (0.0000105, 0.0000291) | 0.00746 (0.00456, 0.01132) |
| Jawa Tengah | Lower respiratory infections                  | 40  | 40.8 (30.6, 53.6)        | 0.000032 (0.0000240, 0.0000420)  | 0.0082 (0.00638, 0.01048)  | 21.8 (14.8, 30.8)      | 0.0000165 (0.0000112, 0.0000233) | 0.00676 (0.00502, 0.00877) |
| Jawa Tengah | Malaria                                       | 40  | 2.0 (0.6, 5.0)           | 0.0000016 (0.0000004, 0.0000039) | 0.00041 (0.00011, 0.00101) | 1.0 (0.3, 2.7)         | 0.0000007 (0.0000002, 0.0000020) | 0.00031 (0.00008, 0.00081) |
| Jawa Tengah | Tuberculosis                                  | 40  | 416.1 (343.4, 508.4)     | 0.0003261 (0.0002691, 0.0003985) | 0.08368 (0.07400, 0.09413) | 179.2 (131.6, 235.1)   | 0.0001357 (0.0000997, 0.0001781) | 0.05547 (0.04720, 0.06395) |
| Jawa Tengah | Maternal disorders                            | 40  |                          |                                  |                            | 58.2 (36.5, 87.0)      | 0.0000441 (0.0000277, 0.0000659) | 0.01806 (0.01207, 0.02609) |
| Jawa Tengah | Other communicable diseases                   | 40  | 232.1 (180.6, 292.0)     | 0.0001819 (0.0001415, 0.0002288) | 0.04667 (0.03844, 0.05502) | 137.6 (99.4, 184.2)    | 0.0001043 (0.0000753, 0.0001396) | 0.04261 (0.03444, 0.05106) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 40  | 44.7 (24.5, 66.5)        | 0.000035 (0.0000230, 0.0000521)  | 0.00898 (0.00589, 0.01292) | 16.8 (10.1, 25.7)      | 0.0000127 (0.0000076, 0.0000195) | 0.00519 (0.00338, 0.00771) |
| Jawa Tengah | Breast cancer                                 | 40  | 5.9 (2.6, 12.2)          | 0.0000046 (0.0000021, 0.0000095) | 0.00119 (0.00053, 0.00236) | 259.9 (197.0, 336.8)   | 0.0001969 (0.0001493, 0.0002552) | 0.08057 (0.06776, 0.09491) |
| Jawa Tengah | Cervical cancer                               | 40  |                          |                                  |                            | 193.0 (140.5, 268.2)   | 0.0001462 (0.0001065, 0.0002032) | 0.05975 (0.04735, 0.07443) |
| Jawa Tengah | Other malignant neoplasms                     | 40  | 490.5 (405.4, 586.9)     | 0.0003845 (0.0003178, 0.0004599) | 0.09866 (0.08817, 0.10905) | 199.8 (146.0, 265.3)   | 0.0001514 (0.0001106, 0.0002010) | 0.06186 (0.05189, 0.07352) |
| Jawa Tengah | Cerebrovascular disease                       | 40  | 756.4 (637.5, 903.7)     | 0.0005928 (0.0004996, 0.0007083) | 0.15212 (0.14109, 0.16360) | 532.8 (417.1, 675.2)   | 0.0004037 (0.0003160, 0.0005116) | 0.16501 (0.15262, 0.17684) |
| Jawa Tengah | Ischemic heart disease                        | 40  | 712.3 (600.3, 849.6)     | 0.0005583 (0.0004705, 0.0006659) | 0.14324 (0.13177, 0.15489) | 318.1 (244.0, 412.2)   | 0.000241 (0.0001848, 0.0003123)  | 0.09852 (0.08884, 0.10826) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 40  | 170.6 (136.7, 210.9)     | 0.0001337 (0.0001072, 0.0001653) | 0.0343 (0.02953, 0.04001)  | 145.4 (109.0, 193.0)   | 0.0001102 (0.0000826, 0.0001462) | 0.04503 (0.03822, 0.05220) |
| Jawa Tengah | Diabetes mellitus                             | 40  | 220.0 (179.3, 275.0)     | 0.0001724 (0.0001406, 0.0002155) | 0.04423 (0.03809, 0.05068) | 204.4 (154.7, 271.6)   | 0.0001549 (0.0001172, 0.0002057) | 0.06331 (0.05436, 0.07281) |
| Jawa Tengah | Chronic kidney disease                        | 40  | 240.8 (195.0, 300.4)     | 0.0001887 (0.0001528, 0.0002355) | 0.04842 (0.04166, 0.05634) | 148.5 (111.6, 195.6)   | 0.0001125 (0.0000846, 0.0001482) | 0.04597 (0.03992, 0.05353) |
| Jawa Tengah | Cirrhosis                                     | 40  | 418.3 (343.0, 508.6)     | 0.0003278 (0.0002688, 0.0003986) | 0.08411 (0.07454, 0.09497) | 182.0 (136.2, 239.5)   | 0.0001379 (0.0001032, 0.0001815) | 0.05634 (0.04852, 0.06472) |
| Jawa Tengah | Chronic respiratory diseases                  | 40  | 176.6 (141.0, 222.6)     | 0.0001384 (0.0001105, 0.0001745) | 0.03553 (0.02998, 0.04175) | 83.7 (61.0, 112.2)     | 0.0000634 (0.0000462, 0.0000850) | 0.0259 (0.02139, 0.03088)  |
| Jawa Tengah | Other non-communicable diseases               | 40  | 391.5 (324.4, 471.4)     | 0.0003068 (0.0002543, 0.0003695) | 0.07874 (0.07054, 0.08646) | 275.8 (211.8, 359.8)   | 0.0002089 (0.0001605, 0.0002726) | 0.08539 (0.07707, 0.09412) |
| Jawa Tengah | Drowning                                      | 40  | 36.6 (20.4, 61.0)        | 0.0000287 (0.0000160, 0.0000478) | 0.00736 (0.00419, 0.01199) | 12.0 (5.9, 20.7)       | 0.0000091 (0.0000045, 0.0000157) | 0.00371 (0.00195, 0.00619) |
| Jawa Tengah | Falls                                         | 40  | 78.8 (55.6, 110.8)       | 0.0000617 (0.0000436, 0.0000868) | 0.01584 (0.01147, 0.02115) | 31.8 (21.1, 46.6)      | 0.0000241 (0.0000159, 0.0000353) | 0.00986 (0.00692, 0.01344) |
| Jawa Tengah | Interpersonal violence                        | 40  | 9.6 (5.5, 15.2)          | 0.0000075 (0.0000043, 0.0000119) | 0.00192 (0.00111, 0.00303) | 4.8 (2.6, 8.3)         | 0.0000036 (0.0000020, 0.0000063) | 0.00148 (0.00081, 0.00249) |
| Jawa Tengah | Self-harm                                     | 40  | 24.3 (15.9, 35.1)        | 0.000019 (0.0000125, 0.0000275)  | 0.00489 (0.00331, 0.00681) | 9.9 (5.9, 15.4)        | 0.0000075 (0.0000045, 0.0000117) | 0.00306 (0.00196, 0.00448) |
| Jawa Tengah | Transport injuries                            | 40  | 266.1 (206.0, 334.2)     | 0.0002086 (0.0001614, 0.0002619) | 0.05352 (0.04402, 0.06354) | 74.3 (53.7, 102.5)     | 0.0000563 (0.0000407, 0.0000776) | 0.02302 (0.01794, 0.02851) |
| Jawa Tengah | Other unintentional injuries                  | 40  | 96.9 (69.8, 130.6)       | 0.0000759 (0.0000547, 0.0001024) | 0.01947 (0.01484, 0.02489) | 31.5 (21.3, 45.2)      | 0.0000239 (0.0000161, 0.0000343) | 0.00977 (0.00729, 0.01284) |
| Jawa Tengah | Diarrheal diseases                            | 45  | 111.6 (80.4, 150.0)      | 0.0000963 (0.0000694, 0.0001294) | 0.01762 (0.01347, 0.02251) | 124.7 (89.3, 164.5)    | 0.0001037 (0.0000743, 0.0001368) | 0.02539 (0.01987, 0.03160) |
| Jawa Tengah | HIV/AIDS                                      | 45  | 23.9 (13.4, 39.5)        | 0.0000206 (0.0000115, 0.0000341) | 0.00377 (0.00222, 0.00617) | 19.0 (10.6, 32.1)      | 0.0000158 (0.0000088, 0.0000267) | 0.00387 (0.00226, 0.00633) |
| Jawa Tengah | Lower respiratory infections                  | 45  | 56.2 (42.0, 75.2)        | 0.0000485 (0.0000363, 0.0000649) | 0.00888 (0.00705, 0.01126) | 43.3 (30.8, 59.7)      | 0.0000306 (0.0000256, 0.0000497) | 0.0088 (0.00677, 0.01121)  |
| Jawa Tengah | Malaria                                       | 45  | 1.9 (0.5, 5.0)           | 0.0000017 (0.0000004, 0.0000043) | 0.0003 (0.00008, 0.000075) | 1.1 (0.3, 3.1)         | 0.0000009 (0.0000003, 0.0000025) | 0.00023 (0.00006, 0.00061) |
| Jawa Tengah | Tuberculosis                                  | 45  | 497.1 (404.2, 611.9)     | 0.000429 (0.0003488, 0.0005281)  | 0.07852 (0.06998, 0.08702) | 273.3 (211.7, 345.4)   | 0.0002274 (0.0001762, 0.0002874) | 0.05561 (0.04849, 0.06335) |
| Jawa Tengah | Maternal disorders                            | 45  |                          |                                  |                            | 22.9 (11.4, 40.5)      | 0.0000019 (0.0000005, 0.0000037) | 0.00466 (0.00236, 0.00802) |
| Jawa Tengah | Other communicable diseases                   | 45  | 222.8 (171.8, 282.6)     | 0.0001923 (0.0001483, 0.0002439) | 0.03519 (0.02928, 0.04189) | 186.1 (140.2, 243.8)   | 0.0001549 (0.0001167, 0.0002028) | 0.03786 (0.03107, 0.04492) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 45  | 60.1 (40.0, 85.0)        | 0.0000518 (0.0000346, 0.0000734) | 0.00949 (0.00664, 0.01306) | 26.6 (17.1, 40.5)      | 0.0000222 (0.0000143, 0.0000337) | 0.00542 (0.00366, 0.00778) |
| Jawa Tengah | Breast cancer                                 | 45  | 7.2 (3.3, 13.9)          | 0.0000062 (0.0000028, 0.0000120) | 0.00114 (0.00052, 0.00214) | 326.5 (252.1, 417.3)   | 0.0002717 (0.0002098, 0.0003472) | 0.0665 (0.05600, 0.07779)  |
| Jawa Tengah | Cervical cancer                               | 45  |                          |                                  |                            | 250.6 (184.9, 330.0)   | 0.0002085 (0.0001538, 0.0002746) | 0.05101 (0.04140, 0.06115) |
| Jawa Tengah | Other malignant neoplasms                     | 45  | 525.2 (428.4, 637.7)     | 0.0004532 (0.0003698, 0.0005503) | 0.08296 (0.07461, 0.09230) | 245.1 (182.9, 312.3)   | 0.0002039 (0.0001522, 0.0002599) | 0.04989 (0.04232, 0.05896) |
| Jawa Tengah | Cerebrovascular disease                       | 45  | 1,170.1 (966.4, 1,406.3) | 0.0010098 (0.0008340, 0.0012137) | 0.18484 (0.17393, 0.19665) | 997.6 (803.2, 1,229.5) | 0.0008301 (0.0006683, 0.0010230) | 0.20302 (0.19089, 0.21555) |
| Jawa Tengah | Ischemic heart disease                        | 45  | 987.2 (812.1, 1,191.5)   | 0.000851 (0.0007009, 0.0010283)  | 0.15595 (0.14587, 0.16681) | 522.1 (418.2, 650.6)   | 0.0004344 (0.0003480, 0.0005414) | 0.10626 (0.09766, 0.11595) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 45  | 240.9 (191.6, 302.0)     | 0.0002079 (0.0001654, 0.0002606) | 0.03804 (0.03318, 0.04399) | 240.2 (186.0, 304.2)   | 0.0001998 (0.0001547, 0.0002531) | 0.04887 (0.04222, 0.05586) |
| Jawa Tengah | Diabetes mellitus                             | 45  | 395.6 (319.2, 490.1)     | 0.0003414 (0.0002755, 0.0004230) | 0.06249 (0.05471, 0.07012) | 426.9 (337.8, 541.0)   | 0.0003552 (0.0002811, 0.0004502) | 0.08687 (0.07747, 0.09684) |
| Jawa Tengah | Chronic kidney disease                        | 45  | 288.3 (232.7, 356.6)     | 0.0002488 (0.0002008, 0.0003077) | 0.04554 (0.03927, 0.05273) | 203.3 (156.7, 260.7)   | 0.0001691 (0.0001304, 0.0002169) | 0.04136 (0.03600, 0.04791) |
| Jawa Tengah | Cirrhosis                                     | 45  | 488.6 (394.1, 592.7)     | 0.0004217 (0.0003402, 0.0005115) | 0.07718 (0.06841, 0.08666) | 262.5 (201.8, 334.6)   | 0.0002184 (0.0001679, 0.0002784) | 0.05342 (0.04581, 0.06079) |
| Jawa Tengah | Chronic respiratory diseases                  | 45  | 261.2 (206.5, 324.4)     | 0.0002255 (0.0001782, 0.0002799) | 0.04127 (0.03582, 0.04690) | 145.8 (110.0, 186.8)   | 0.0001213 (0.0000915, 0.0001554) | 0.02965 (0.02488, 0.03416) |
| Jawa Tengah | Other non-communicable diseases               | 45  | 433.8 (352.5, 527.6)     | 0.0003744 (0.0003042, 0.0004553) | 0.06852 (0.06218, 0.07591) | 366.1 (290.9, 456.9)   | 0.0003046 (0.0002421, 0.0003801) | 0.07452 (0.06713, 0.08215) |
| Jawa Tengah | Drowning                                      | 45  | 28.2 (15.6, 47.1)        | 0.0000244 (0.0000135, 0.0000406) | 0.00446 (0.00257, 0.00737) | 13.4 (6.7, 23.9)       | 0.0000111 (0.0000056, 0.0000199) | 0.00272 (0.00143, 0.00465) |
| Jawa Tengah | Falls                                         | 45  | 98.9 (69.7, 135.2)       | 0.0000853 (0.0000601, 0.0001167) | 0.01562 (0.01159, 0.02074) | 54.1 (36.3, 75.2)      | 0.000045 (0.0000302, 0.0000626)  | 0.01101 (0.00795, 0.01493) |
| Jawa Tengah | Interpersonal violence                        | 45  | 8.8 (5.0, 14.5)          | 0.0000076 (0.0000043, 0.0000125) | 0.0014 (0.00081, 0.00219)  | 5.0 (2.7, 8.5)         | 0.0000042 (0.0000022, 0.0000071) | 0.00102 (0.00056, 0.00173) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                      |                                  |                              | Females                    |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------------|----------------------------------|------------------------------|----------------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Self-harm                                     | 45  | 25.4 (16.8, 36.5)          | 0.00022 (0.000145, 0.000315)     | 0.00402 (0.00278, 0.00565)   | 11.3 (6.8, 17.7)           | 0.000094 (0.000057, 0.000147)    | 0.0023 (0.00146, 0.00339)  |
| Jawa Tengah | Transport injuries                            | 45  | 297.9 (230.4, 383.9)       | 0.0002571 (0.0001988, 0.0003313) | 0.04703 (0.03911, 0.05577)   | 106.5 (75.4, 140.3)        | 0.0000886 (0.0000627, 0.0001168) | 0.02168 (0.01729, 0.02658) |
| Jawa Tengah | Other unintentional injuries                  | 45  | 99.8 (71.4, 132.7)         | 0.0000861 (0.0000616, 0.0001145) | 0.01575 (0.01208, 0.02010)   | 39.6 (27.1, 54.9)          | 0.000033 (0.0000225, 0.0000457)  | 0.00807 (0.00600, 0.01053) |
| Jawa Tengah | Diarrheal diseases                            | 50  | 164.6 (119.2, 216.8)       | 0.0001635 (0.0001184, 0.0002154) | 0.01984 (0.01579, 0.02445)   | 179.0 (134.2, 232.0)       | 0.0001789 (0.0001341, 0.0002318) | 0.02907 (0.02386, 0.03473) |
| Jawa Tengah | HIV/AIDS                                      | 50  | 11.5 (5.8, 19.7)           | 0.0000115 (0.0000058, 0.0000195) | 0.00139 (0.00073, 0.00229)   | 9.1 (4.4, 16.5)            | 0.0000091 (0.0000044, 0.0000165) | 0.00148 (0.00077, 0.00259) |
| Jawa Tengah | Lower respiratory infections                  | 50  | 84.9 (62.9, 115.4)         | 0.0000843 (0.0000625, 0.0001146) | 0.01023 (0.00806, 0.01272)   | 65.1 (47.1, 87.6)          | 0.000065 (0.0000471, 0.0000875)  | 0.01056 (0.00834, 0.01331) |
| Jawa Tengah | Malaria                                       | 50  | 2.1 (0.5, 5.3)             | 0.0000021 (0.0000005, 0.0000052) | 0.00025 (0.00007, 0.00063)   | 1.2 (0.3, 3.2)             | 0.0000012 (0.0000003, 0.0000032) | 0.00019 (0.00005, 0.00050) |
| Jawa Tengah | Tuberculosis                                  | 50  | 624.2 (498.2, 774.3)       | 0.0006201 (0.0004949, 0.0007692) | 0.07524 (0.06860, 0.08252)   | 324.3 (254.7, 403.0)       | 0.000324 (0.0002545, 0.0004026)  | 0.05267 (0.04690, 0.05899) |
| Jawa Tengah | Maternal disorders                            | 50  |                            |                                  |                              | 9.8 (3.3, 22.7)            | 0.0000098 (0.0000033, 0.0000227) | 0.00159 (0.00056, 0.00372) |
| Jawa Tengah | Other communicable diseases                   | 50  | 251.9 (191.6, 325.4)       | 0.0002503 (0.0001903, 0.0003233) | 0.03037 (0.02533, 0.03580)   | 207.5 (156.5, 269.2)       | 0.0002073 (0.0001563, 0.0002689) | 0.03369 (0.02801, 0.03968) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 50  | 89.6 (60.5, 125.5)         | 0.000089 (0.0000601, 0.0001247)  | 0.0108 (0.00779, 0.01429)    | 31.8 (20.6, 47.4)          | 0.0000318 (0.0000206, 0.0000474) | 0.00516 (0.00351, 0.00736) |
| Jawa Tengah | Breast cancer                                 | 50  | 6.3 (3.0, 11.7)            | 0.0000062 (0.0000029, 0.0000116) | 0.00075 (0.00037, 0.00143)   | 299.0 (227.2, 381.2)       | 0.0002987 (0.0002270, 0.0003809) | 0.04857 (0.04040, 0.05783) |
| Jawa Tengah | Cervical cancer                               | 50  |                            |                                  |                              | 239.5 (179.0, 313.9)       | 0.0002393 (0.0001789, 0.0003136) | 0.03889 (0.03152, 0.04754) |
| Jawa Tengah | Other malignant neoplasms                     | 50  | 500.5 (392.9, 626.9)       | 0.0004971 (0.0003903, 0.0006227) | 0.06031 (0.05385, 0.06699)   | 269.2 (205.0, 347.4)       | 0.0002689 (0.0002048, 0.0003471) | 0.0437 (0.03690, 0.05155)  |
| Jawa Tengah | Cerebrovascular disease                       | 50  | 1,803.2 (1,447.8, 2,198.9) | 0.0017912 (0.0014382, 0.0021843) | 0.21734 (0.20689, 0.22809)   | 1,470.4 (1,195.9, 1,793.6) | 0.0014691 (0.0011948, 0.0017921) | 0.23876 (0.22680, 0.25000) |
| Jawa Tengah | Ischemic heart disease                        | 50  | 1,403.9 (1,129.2, 1,713.9) | 0.0013946 (0.0011217, 0.0017026) | 0.16921 (0.15866, 0.17935)   | 687.5 (550.5, 846.7)       | 0.0006869 (0.0005500, 0.0008459) | 0.11161 (0.10320, 0.12062) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 50  | 357.1 (279.9, 451.8)       | 0.0003547 (0.0002780, 0.0004488) | 0.04303 (0.03780, 0.04931)   | 343.2 (268.2, 440.3)       | 0.0003429 (0.0002680, 0.0004399) | 0.0557 (0.04900, 0.06275)  |
| Jawa Tengah | Diabetes mellitus                             | 50  | 607.3 (479.1, 762.3)       | 0.0006033 (0.0004759, 0.0007572) | 0.0732 (0.06561, 0.08102)    | 623.8 (499.1, 778.6)       | 0.0006233 (0.0004987, 0.0007779) | 0.1013 (0.09131, 0.11077)  |
| Jawa Tengah | Chronic kidney disease                        | 50  | 347.5 (274.2, 442.7)       | 0.0003452 (0.0002723, 0.0004398) | 0.04188 (0.03661, 0.04779)   | 232.1 (182.8, 294.4)       | 0.0002319 (0.0001827, 0.0002941) | 0.03767 (0.03289, 0.04281) |
| Jawa Tengah | Cirrhosis                                     | 50  | 596.6 (470.9, 743.3)       | 0.0005927 (0.0004678, 0.0007384) | 0.07191 (0.06386, 0.08014)   | 312.8 (241.4, 391.0)       | 0.0003125 (0.0002412, 0.0003907) | 0.05077 (0.04455, 0.05757) |
| Jawa Tengah | Chronic respiratory diseases                  | 50  | 388.7 (303.9, 490.7)       | 0.0003861 (0.0003019, 0.0004874) | 0.04685 (0.04114, 0.05303)   | 215.9 (168.7, 270.0)       | 0.0002157 (0.0001685, 0.0002698) | 0.03504 (0.03024, 0.04024) |
| Jawa Tengah | Other non-communicable diseases               | 50  | 523.3 (415.8, 650.6)       | 0.0005198 (0.0004130, 0.0006463) | 0.06306 (0.05669, 0.06937)   | 425.9 (337.3, 530.4)       | 0.0004255 (0.0003370, 0.0005300) | 0.06917 (0.06225, 0.07619) |
| Jawa Tengah | Drowning                                      | 50  | 23.4 (12.4, 39.9)          | 0.0000233 (0.0000124, 0.0000396) | 0.00283 (0.00155, 0.00470)   | 11.0 (5.4, 19.9)           | 0.000011 (0.0000054, 0.0000199)  | 0.00178 (0.00090, 0.00313) |
| Jawa Tengah | Falls                                         | 50  | 126.8 (89.3, 180.8)        | 0.000126 (0.0000887, 0.0001796)  | 0.01528 (0.01158, 0.01999)   | 66.7 (46.2, 91.0)          | 0.0000666 (0.0000462, 0.0000909) | 0.01083 (0.00810, 0.01419) |
| Jawa Tengah | Interpersonal violence                        | 50  | 7.6 (4.2, 13.0)            | 0.0000075 (0.0000042, 0.0000129) | 0.00091 (0.00052, 0.00150)   | 3.9 (2.0, 7.1)             | 0.0000039 (0.0000020, 0.0000071) | 0.00063 (0.00034, 0.00114) |
| Jawa Tengah | Self-harm                                     | 50  | 24.1 (15.5, 36.2)          | 0.000024 (0.0000154, 0.0000359)  | 0.00291 (0.00196, 0.00408)   | 9.5 (5.7, 15.4)            | 0.0000095 (0.0000057, 0.0000154) | 0.00154 (0.00098, 0.00241) |
| Jawa Tengah | Transport injuries                            | 50  | 261.5 (192.5, 336.9)       | 0.0002597 (0.0001912, 0.0003346) | 0.03151 (0.02552, 0.03735)   | 87.5 (64.0, 115.2)         | 0.0000875 (0.0000640, 0.0001151) | 0.01422 (0.01109, 0.01749) |
| Jawa Tengah | Other unintentional injuries                  | 50  | 90.5 (64.0, 121.8)         | 0.0000899 (0.0000636, 0.0001210) | 0.01091 (0.00826, 0.01374)   | 33.2 (23.0, 45.7)          | 0.0000332 (0.0000230, 0.0000457) | 0.00539 (0.00396, 0.00713) |
| Jawa Tengah | Diarrheal diseases                            | 55  | 196.1 (143.1, 260.2)       | 0.0002458 (0.0001794, 0.0003261) | 0.02036 (0.01644, 0.02445)   | 203.3 (153.1, 258.6)       | 0.0002774 (0.0002090, 0.0003529) | 0.02971 (0.02488, 0.03507) |
| Jawa Tengah | HIV/AIDS                                      | 55  | 5.4 (2.2, 10.5)            | 0.0000068 (0.0000028, 0.0000132) | 0.00056 (0.00025, 0.00101)   | 4.1 (1.7, 7.7)             | 0.0000055 (0.0000023, 0.0000105) | 0.00059 (0.00024, 0.00111) |
| Jawa Tengah | Lower respiratory infections                  | 55  | 96.3 (70.0, 131.1)         | 0.0001208 (0.0000877, 0.0001643) | 0.01001 (0.00807, 0.01224)   | 71.5 (52.9, 93.7)          | 0.0000976 (0.0000722, 0.0001279) | 0.01046 (0.00832, 0.01268) |
| Jawa Tengah | Malaria                                       | 55  | 2.3 (0.6, 5.9)             | 0.0000029 (0.0000008, 0.0000074) | 0.00024 (0.00007, 0.00060)   | 1.2 (0.3, 3.2)             | 0.0000016 (0.0000004, 0.0000043) | 0.00017 (0.00005, 0.00044) |
| Jawa Tengah | Tuberculosis                                  | 55  | 619.7 (482.6, 777.4)       | 0.0007767 (0.0006049, 0.0009745) | 0.06436 (0.05771, 0.07120)   | 303.9 (239.6, 374.1)       | 0.0004148 (0.0003269, 0.0005105) | 0.04443 (0.03891, 0.05024) |
| Jawa Tengah | Other communicable diseases                   | 55  | 261.0 (194.8, 337.9)       | 0.0003272 (0.0002442, 0.0004235) | 0.02712 (0.02282, 0.03180)   | 206.7 (156.2, 268.3)       | 0.0002821 (0.0002132, 0.0003662) | 0.0302 (0.02502, 0.03590)  |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 55  | 94.3 (64.3, 131.5)         | 0.0001182 (0.0000806, 0.0001649) | 0.0098 (0.00705, 0.01296)    | 28.8 (19.0, 41.0)          | 0.0000393 (0.0000259, 0.0000559) | 0.00421 (0.00288, 0.00580) |
| Jawa Tengah | Breast cancer                                 | 55  | 5.9 (2.9, 10.5)            | 0.0000074 (0.0000036, 0.0000131) | 0.00061 (0.00032, 0.00106)   | 259.3 (201.8, 329.4)       | 0.0003538 (0.0002754, 0.0004495) | 0.03791 (0.03115, 0.04526) |
| Jawa Tengah | Cervical cancer                               | 55  |                            |                                  |                              | 176.8 (131.7, 237.7)       | 0.0002413 (0.0001798, 0.0003244) | 0.02585 (0.02001, 0.03228) |
| Jawa Tengah | Other malignant neoplasms                     | 55  | 459.8 (356.9, 578.2)       | 0.0005764 (0.0004474, 0.0007247) | 0.04775 (0.04233, 0.05349)   | 271.3 (205.9, 345.1)       | 0.0003703 (0.0002810, 0.0004710) | 0.03964 (0.03332, 0.04633) |
| Jawa Tengah | Cerebrovascular disease                       | 55  | 2,357.1 (1,869.5, 2,871.5) | 0.0029545 (0.0023432, 0.0035992) | 0.24482 (0.23333, 0.25645)   | 1,850.1 (1,511.3, 2,233.8) | 0.0025248 (0.0020625, 0.0030485) | 0.27037 (0.25807, 0.28292) |
| Jawa Tengah | Ischemic heart disease                        | 55  | 1,764.5 (1,397.4, 2,149.1) | 0.0022117 (0.0017515, 0.0026938) | 0.1833 (0.17315, 0.19420)    | 842.3 (679.8, 1,019.0)     | 0.0011496 (0.0009277, 0.0013907) | 0.12309 (0.11488, 0.13209) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 55  | 463.3 (357.7, 589.9)       | 0.0005807 (0.0004483, 0.0007393) | 0.0481 (0.04240, 0.05512)    | 424.1 (334.9, 536.2)       | 0.0005788 (0.0004571, 0.0007317) | 0.06196 (0.05527, 0.06931) |
| Jawa Tengah | Diabetes mellitus                             | 55  | 740.8 (576.3, 920.9)       | 0.0009285 (0.0007224, 0.0011543) | 0.07694 (0.06880, 0.08469)   | 728.1 (589.0, 880.5)       | 0.0009937 (0.0008038, 0.0012016) | 0.10643 (0.09704, 0.11647) |
| Jawa Tengah | Chronic kidney disease                        | 55  | 388.0 (298.6, 495.6)       | 0.0004863 (0.0003742, 0.0006213) | 0.04029 (0.03523, 0.04590)   | 246.7 (192.8, 309.5)       | 0.0003367 (0.0002631, 0.0004224) | 0.03605 (0.03157, 0.04125) |
| Jawa Tengah | Cirrhosis                                     | 55  | 611.3 (473.6, 766.4)       | 0.0007663 (0.0005936, 0.0009606) | 0.06351 (0.05645, 0.07191)   | 310.1 (243.2, 385.6)       | 0.0004232 (0.0003320, 0.0005263) | 0.04531 (0.03991, 0.05144) |
| Jawa Tengah | Chronic respiratory diseases                  | 55  | 494.0 (382.9, 620.1)       | 0.0006192 (0.0004799, 0.0007772) | 0.05131 (0.04548, 0.05736)   | 259.0 (204.2, 322.0)       | 0.0003535 (0.0002786, 0.0004394) | 0.03784 (0.03337, 0.04247) |
| Jawa Tengah | Other non-communicable diseases               | 55  | 616.5 (483.1, 769.2)       | 0.0007727 (0.0006055, 0.0009641) | 0.06403 (0.05839, 0.07043)   | 482.5 (384.8, 594.7)       | 0.0006585 (0.0005523, 0.0008116) | 0.07053 (0.06367, 0.07832) |
| Jawa Tengah | Drowning                                      | 55  | 17.7 (8.8, 33.6)           | 0.0000222 (0.0000110, 0.0000421) | 0.00184 (0.00095, 0.00330)   | 7.9 (3.6, 15.2)            | 0.0000108 (0.0000049, 0.0000207) | 0.00115 (0.00053, 0.00217) |
| Jawa Tengah | Falls                                         | 55  | 142.4 (99.7, 195.6)        | 0.0001785 (0.0001250, 0.0002451) | 0.01479 (0.01144, 0.01891)   | 70.5 (49.6, 95.8)          | 0.0000962 (0.0000677, 0.0001307) | 0.0103 (0.00794, 0.01345)  |
| Jawa Tengah | Interpersonal violence                        | 55  | 6.4 (3.3, 11.1)            | 0.000008 (0.0000042, 0.0000140)  | 0.00066 (0.00036, 0.00109)   | 2.9 (1.5, 5.4)             | 0.000004 (0.0000020, 0.0000074)  | 0.00043 (0.00022, 0.00075) |
| Jawa Tengah | Self-harm                                     | 55  | 23.4 (14.6, 35.7)          | 0.0000293 (0.0000184, 0.0000447) | 0.00243 (0.00164, 0.00345)   | 8.2 (5.0, 13.1)            | 0.0000112 (0.0000068, 0.0000179) | 0.0012 (0.00075, 0.00182)  |
| Jawa Tengah | Transport injuries                            | 55  | 183.5 (132.7, 248.0)       | 0.00023 (0.0001663, 0.0003108)   | 0.01905 (0.01512, 0.02362)   | 56.8 (39.3, 76.9)          | 0.0000776 (0.0000537, 0.0001050) | 0.00831 (0.00625, 0.01083) |
| Jawa Tengah | Other unintentional injuries                  | 55  | 78.3 (54.0, 109.6)         | 0.0000981 (0.0000676, 0.0001374) | 0.00813 (0.00609, 0.01073)   | 26.4 (18.3, 36.5)          | 0.000036 (0.0000250, 0.0000498)  | 0.00386 (0.00277, 0.00514) |
| Jawa Tengah | Diarrheal diseases                            | 60  | 238.9 (176.3, 316.7)       | 0.0004572 (0.0003374, 0.0006060) | 0.02225 (0.01876, 0.02690)   | 271.9 (216.9, 340.1)       | 0.0004752 (0.0003791, 0.0005945) | 0.03241 (0.02764, 0.03790) |
| Jawa Tengah | HIV/AIDS                                      | 60  | 4.1 (1.4, 7.7)             | 0.0000078 (0.0000027, 0.0000148) | 0.00038 (0.000014, 0.000069) | 3.4 (1.2, 6.5)             | 0.000006 (0.0000022, 0.0000114)  | 0.00041 (0.00015, 0.00076) |
| Jawa Tengah | Lower respiratory infections                  | 60  | 137.9 (101.8, 184.0)       | 0.0002639 (0.0001948, 0.0003522) | 0.01285 (0.01041, 0.01531)   | 122.0 (93.4, 157.2)        | 0.0002132 (0.0001632, 0.0002748) | 0.01455 (0.01196, 0.01751) |
| Jawa Tengah | Malaria                                       | 60  | 2.7 (0.7, 6.9)             | 0.0000052 (0.0000014, 0.0000132) | 0.00025 (0.00007, 0.00062)   | 1.4 (0.4, 3.8)             | 0.0000025 (0.0000007, 0.0000067) | 0.00017 (0.00004, 0.00046) |
| Jawa Tengah | Tuberculosis                                  | 60  | 783.4 (609.9, 972.9)       | 0.001499 (0.0011671, 0.0018615)  | 0.07298 (0.06659, 0.08034)   | 436.1 (353.3, 523.6)       | 0.0007622 (0.0006175, 0.0009151) | 0.052 (0.04645, 0.05828)   |
| Jawa Tengah | Other communicable diseases                   | 60  | 226.4 (163.3, 293.2)       | 0.0004333 (0.0003124, 0.0005610) | 0.0211 (0.01733, 0.02543)    | 200.0 (153.9, 256.7)       | 0.0003497 (0.0002691, 0.0004487) | 0.02385 (0.01949, 0.02887) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 60  | 108.7 (73.9, 152.8)        | 0.0002079 (0.0001414, 0.0002924) | 0.01013 (0.00753, 0.01318)   | 30.3 (20.7, 42.5)          | 0.000053 (0.0000363, 0.0000744)  | 0.00361 (0.00254, 0.00503) |
| Jawa Tengah | Breast cancer                                 | 60  | 5.5 (2.8, 9.9)             | 0.0000106 (0.0000054, 0.0000189) | 0.00051 (0.00027, 0.00088)   | 222.9 (173.8, 282.5)       | 0.0003897 (0.0003038, 0.0004938) | 0.02659 (0.02163, 0.03228) |
| Jawa Tengah | Cervical cancer                               | 60  |                            |                                  |                              | 161.8 (120.5, 212.6)       | 0.0002828 (0.0002107, 0.0003716) | 0.0193 (0.01480, 0.02478)  |
| Jawa Tengah | Other malignant neoplasms                     | 60  | 468.2 (360.9, 593.9)       | 0.0008959 (0.0006905, 0.0011363) | 0.0436 (0.03892, 0.04851)    | 326.9 (258.3, 405.6)       | 0.0005715 (0.0004514, 0.0007090) | 0.03898 (0.03341, 0.04572) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-------------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Cerebrovascular disease                       | 60  | 2,763.5 (2,181.6, 3,372.6) | 0.0052877 (0.0041743, 0.0064532) | 0.25736 (0.24606, 0.26788) | 2,422.5 (2,020.7, 2,826.7) | 0.0042343 (0.0035320, 0.0049408) | 0.28883 (0.27722, 0.30065) |
| Jawa Tengah | Ischemic heart disease                        | 60  | 1,866.0 (1,455.3, 2,290.2) | 0.0035704 (0.0027846, 0.0043820) | 0.17378 (0.16444, 0.18363) | 1,033.0 (857.4, 1,219.5)   | 0.0018056 (0.0014987, 0.0021317) | 0.12317 (0.11494, 0.13230) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 60  | 558.9 (426.3, 707.6)       | 0.0010694 (0.0008156, 0.0013539) | 0.05203 (0.04596, 0.05780) | 545.4 (442.9, 657.0)       | 0.0009532 (0.0007741, 0.0011484) | 0.06503 (0.05782, 0.07166) |
| Jawa Tengah | Diabetes mellitus                             | 60  | 719.4 (557.0, 901.7)       | 0.0013764 (0.0010659, 0.0017252) | 0.067 (0.06014, 0.07359)   | 780.3 (645.3, 933.7)       | 0.0013639 (0.0011280, 0.0016321) | 0.09305 (0.08506, 0.10207) |
| Jawa Tengah | Chronic kidney disease                        | 60  | 391.4 (296.9, 504.4)       | 0.000749 (0.0005680, 0.0009651)  | 0.03645 (0.03173, 0.04186) | 269.9 (215.9, 329.6)       | 0.0004718 (0.0003774, 0.0005762) | 0.03218 (0.02796, 0.03690) |
| Jawa Tengah | Cirrhosis                                     | 60  | 564.7 (432.5, 713.3)       | 0.0010804 (0.0008275, 0.0013648) | 0.0526 (0.04637, 0.05961)  | 322.9 (258.6, 394.5)       | 0.0005645 (0.0004520, 0.0006895) | 0.0385 (0.03381, 0.04345)  |
| Jawa Tengah | Chronic respiratory diseases                  | 60  | 764.4 (593.1, 964.4)       | 0.0014626 (0.0011349, 0.0018453) | 0.0712 (0.06407, 0.07847)  | 425.9 (342.8, 511.3)       | 0.0007444 (0.0005992, 0.0008936) | 0.05078 (0.04502, 0.05646) |
| Jawa Tengah | Other non-communicable diseases               | 60  | 749.7 (574.3, 932.1)       | 0.0014346 (0.0010989, 0.0017834) | 0.06983 (0.06353, 0.07618) | 643.0 (525.9, 767.2)       | 0.0011239 (0.0009193, 0.0013409) | 0.07667 (0.06975, 0.08382) |
| Jawa Tengah | Drowning                                      | 60  | 13.2 (5.8, 23.8)           | 0.0000253 (0.0000111, 0.0000456) | 0.00123 (0.00055, 0.00218) | 7.2 (2.9, 13.7)            | 0.0000125 (0.0000050, 0.0000239) | 0.00085 (0.00036, 0.00164) |
| Jawa Tengah | Falls                                         | 60  | 121.9 (84.2, 171.6)        | 0.0002332 (0.0001611, 0.0003284) | 0.01134 (0.00872, 0.01468) | 70.3 (50.6, 93.8)          | 0.0001228 (0.0000884, 0.0001639) | 0.00838 (0.00638, 0.01080) |
| Jawa Tengah | Interpersonal violence                        | 60  | 4.7 (2.3, 8.3)             | 0.000009 (0.0000044, 0.0000159)  | 0.00044 (0.00023, 0.00073) | 2.3 (1.1, 4.4)             | 0.000004 (0.0000020, 0.0000077)  | 0.00027 (0.00014, 0.00052) |
| Jawa Tengah | Self-harm                                     | 60  | 19.7 (12.1, 30.4)          | 0.0000377 (0.0000232, 0.0000583) | 0.00183 (0.00121, 0.00264) | 7.2 (4.2, 11.5)            | 0.0000127 (0.0000074, 0.0000202) | 0.00086 (0.00053, 0.00134) |
| Jawa Tengah | Transport injuries                            | 60  | 157.8 (109.9, 213.6)       | 0.000302 (0.0002102, 0.0004088)  | 0.0147 (0.01154, 0.01835)  | 55.5 (39.6, 75.3)          | 0.000097 (0.0000692, 0.0001315)  | 0.00662 (0.00487, 0.00874) |
| Jawa Tengah | Other unintentional injuries                  | 60  | 66.1 (44.2, 96.0)          | 0.0001266 (0.0000845, 0.0001837) | 0.00616 (0.00456, 0.00818) | 24.6 (16.8, 34.3)          | 0.000043 (0.0000293, 0.0000600)  | 0.00294 (0.00211, 0.00397) |
| Jawa Tengah | Diarrheal diseases                            | 65  | 429.7 (319.5, 565.7)       | 0.0009978 (0.0007418, 0.0013136) | 0.03394 (0.02882, 0.03940) | 530.5 (425.1, 634.9)       | 0.0010728 (0.0008597, 0.0012839) | 0.04909 (0.04258, 0.05565) |
| Jawa Tengah | HIV/AIDS                                      | 65  | 4.4 (1.8, 8.4)             | 0.0000102 (0.0000041, 0.0000196) | 0.00035 (0.00014, 0.00063) | 4.0 (1.7, 7.4)             | 0.000008 (0.0000034, 0.0000149)  | 0.00037 (0.00015, 0.00066) |
| Jawa Tengah | Lower respiratory infections                  | 65  | 185.0 (135.1, 250.2)       | 0.0004296 (0.0003138, 0.0005809) | 0.01461 (0.01198, 0.01766) | 187.2 (146.0, 236.0)       | 0.0003785 (0.0002952, 0.0004774) | 0.01732 (0.01415, 0.02077) |
| Jawa Tengah | Malaria                                       | 65  | 3.0 (0.8, 7.6)             | 0.0000069 (0.0000019, 0.0000176) | 0.00023 (0.00007, 0.00060) | 1.5 (0.4, 4.0)             | 0.0000031 (0.0000008, 0.0000082) | 0.00014 (0.00004, 0.00036) |
| Jawa Tengah | Tuberculosis                                  | 65  | 934.1 (717.6, 1,170.0)     | 0.0021689 (0.0016662, 0.0027167) | 0.07378 (0.06711, 0.08113) | 516.8 (418.5, 625.5)       | 0.0010452 (0.0008463, 0.0012649) | 0.04783 (0.04261, 0.05372) |
| Jawa Tengah | Other communicable diseases                   | 65  | 240.0 (169.6, 321.5)       | 0.0005573 (0.0003938, 0.0007465) | 0.01896 (0.01531, 0.02317) | 240.5 (182.9, 306.6)       | 0.0004864 (0.0003700, 0.0006200) | 0.02225 (0.01795, 0.02725) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 65  | 110.4 (73.5, 159.3)        | 0.0002563 (0.0001707, 0.0003700) | 0.00872 (0.00642, 0.01171) | 29.1 (19.6, 41.7)          | 0.0000588 (0.0000397, 0.0000844) | 0.00269 (0.00187, 0.00373) |
| Jawa Tengah | Breast cancer                                 | 65  | 5.1 (2.3, 9.8)             | 0.0000118 (0.0000053, 0.0000227) | 0.0004 (0.00018, 0.00072)  | 181.0 (136.5, 237.2)       | 0.0003661 (0.0002760, 0.0004796) | 0.01676 (0.01316, 0.02126) |
| Jawa Tengah | Cervical cancer                               | 65  |                            |                                  |                            | 139.5 (99.0, 188.7)        | 0.000282 (0.0002002, 0.0003817)  | 0.01291 (0.00963, 0.01693) |
| Jawa Tengah | Other malignant neoplasms                     | 65  | 430.0 (322.2, 554.3)       | 0.0009985 (0.0007482, 0.0012870) | 0.03396 (0.03010, 0.03855) | 383.1 (302.1, 472.4)       | 0.0007746 (0.0006109, 0.0009554) | 0.03544 (0.03024, 0.04130) |
| Jawa Tengah | Cerebrovascular disease                       | 65  | 3,406.6 (2,643.1, 4,191.2) | 0.0079101 (0.0061373, 0.0097320) | 0.26903 (0.25797, 0.28004) | 3,338.8 (2,785.5, 3,910.3) | 0.0067522 (0.0056332, 0.0079078) | 0.30891 (0.29762, 0.32103) |
| Jawa Tengah | Ischemic heart disease                        | 65  | 2,153.2 (1,664.8, 2,666.1) | 0.0049998 (0.0038658, 0.0061907) | 0.17006 (0.15946, 0.18039) | 1,279.9 (1,067.6, 1,495.8) | 0.0025883 (0.0021591, 0.0030249) | 0.1184 (0.11023, 0.12733)  |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 65  | 729.2 (547.5, 932.3)       | 0.0016931 (0.0012712, 0.0021648) | 0.05755 (0.05132, 0.06395) | 764.9 (622.4, 907.2)       | 0.0015469 (0.0012586, 0.0018346) | 0.07078 (0.06381, 0.07779) |
| Jawa Tengah | Diabetes mellitus                             | 65  | 682.2 (515.9, 866.3)       | 0.0015841 (0.0011980, 0.0020114) | 0.05388 (0.04843, 0.06031) | 805.6 (666.7, 963.2)       | 0.0016292 (0.0013482, 0.0019478) | 0.07454 (0.06745, 0.08250) |
| Jawa Tengah | Chronic kidney disease                        | 65  | 432.6 (324.2, 561.9)       | 0.0010044 (0.0007527, 0.0013048) | 0.03416 (0.02954, 0.03913) | 313.2 (249.2, 380.1)       | 0.0006335 (0.0005040, 0.0007686) | 0.02898 (0.02515, 0.03298) |
| Jawa Tengah | Cirrhosis                                     | 65  | 525.9 (389.5, 669.6)       | 0.0012211 (0.0009043, 0.0015548) | 0.04155 (0.03648, 0.04695) | 346.9 (280.6, 419.8)       | 0.0007016 (0.0005675, 0.0008490) | 0.03211 (0.02794, 0.03633) |
| Jawa Tengah | Chronic respiratory diseases                  | 65  | 1,003.1 (768.0, 1,263.0)   | 0.0023292 (0.0017833, 0.0029326) | 0.07923 (0.07215, 0.08712) | 601.4 (491.4, 720.1)       | 0.0012163 (0.0009937, 0.0014562) | 0.05564 (0.04981, 0.06195) |
| Jawa Tengah | Other non-communicable diseases               | 65  | 995.8 (759.1, 1,250.5)     | 0.0023122 (0.0017627, 0.0029037) | 0.07865 (0.07200, 0.08535) | 939.6 (775.2, 1,122.2)     | 0.0019003 (0.0015677, 0.0022694) | 0.08694 (0.07981, 0.09383) |
| Jawa Tengah | Drowning                                      | 65  | 12.1 (5.3, 24.1)           | 0.0000281 (0.0000123, 0.0000560) | 0.00096 (0.00044, 0.00178) | 8.7 (3.3, 17.6)            | 0.0000177 (0.0000067, 0.0000355) | 0.00081 (0.00032, 0.00163) |
| Jawa Tengah | Falls                                         | 65  | 142.5 (97.7, 197.2)        | 0.000331 (0.0002269, 0.0004578)  | 0.01126 (0.00864, 0.01426) | 100.8 (73.5, 135.9)        | 0.0002038 (0.0001486, 0.0002748) | 0.00932 (0.00716, 0.01207) |
| Jawa Tengah | Interpersonal violence                        | 65  | 4.1 (1.8, 7.6)             | 0.0000094 (0.0000042, 0.0000176) | 0.00032 (0.00015, 0.00057) | 1.9 (0.8, 3.9)             | 0.0000039 (0.0000016, 0.0000078) | 0.00018 (0.00008, 0.00036) |
| Jawa Tengah | Self-harm                                     | 65  | 19.5 (11.5, 30.7)          | 0.0000452 (0.0000267, 0.0000713) | 0.00154 (0.00099, 0.00231) | 6.7 (3.8, 11.4)            | 0.0000136 (0.0000077, 0.0000231) | 0.00062 (0.00036, 0.00104) |
| Jawa Tengah | Transport injuries                            | 65  | 146.2 (99.3, 203.3)        | 0.0003395 (0.0002307, 0.0004720) | 0.01154 (0.00892, 0.01471) | 59.2 (40.8, 80.9)          | 0.0001198 (0.0000824, 0.0001637) | 0.00548 (0.00394, 0.00743) |
| Jawa Tengah | Other unintentional injuries                  | 65  | 67.0 (44.6, 95.4)          | 0.0001557 (0.0001035, 0.0002215) | 0.0053 (0.00387, 0.00700)  | 27.0 (18.7, 38.4)          | 0.0000546 (0.0000378, 0.0000776) | 0.0025 (0.00175, 0.00346)  |
| Jawa Tengah | Diarrheal diseases                            | 70  | 693.2 (516.3, 880.6)       | 0.0021695 (0.0016158, 0.0027560) | 0.04699 (0.04177, 0.05232) | 912.5 (760.0, 1,070.8)     | 0.0022235 (0.0018519, 0.0026093) | 0.06287 (0.05649, 0.06958) |
| Jawa Tengah | HIV/AIDS                                      | 70  | 6.8 (2.9, 13.8)            | 0.0000212 (0.0000092, 0.0000431) | 0.00046 (0.00021, 0.00088) | 6.7 (2.9, 13.8)            | 0.0000164 (0.0000071, 0.0000336) | 0.00046 (0.00021, 0.00095) |
| Jawa Tengah | Lower respiratory infections                  | 70  | 284.9 (206.1, 380.8)       | 0.0008916 (0.0006451, 0.0011916) | 0.0193 (0.01626, 0.02260)  | 319.3 (250.0, 388.7)       | 0.0007781 (0.0006092, 0.0009471) | 0.022 (0.01851, 0.02562)   |
| Jawa Tengah | Malaria                                       | 70  | 2.9 (0.8, 7.6)             | 0.0000091 (0.0000025, 0.0000237) | 0.0002 (0.00006, 0.00050)  | 1.7 (0.5, 4.5)             | 0.000004 (0.0000011, 0.0000109)  | 0.00011 (0.00003, 0.00030) |
| Jawa Tengah | Tuberculosis                                  | 70  | 1,071.4 (810.2, 1,351.3)   | 0.0033531 (0.0025355, 0.0042292) | 0.07259 (0.06649, 0.07902) | 681.3 (566.9, 804.3)       | 0.0016601 (0.0013814, 0.0019600) | 0.04694 (0.04158, 0.05245) |
| Jawa Tengah | Other communicable diseases                   | 70  | 293.9 (209.6, 393.0)       | 0.0009197 (0.0006560, 0.0012300) | 0.01993 (0.01640, 0.02368) | 312.7 (243.4, 392.8)       | 0.0007619 (0.0005932, 0.0009571) | 0.02154 (0.01750, 0.02580) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 70  | 106.9 (70.1, 153.3)        | 0.0003345 (0.0002194, 0.0004798) | 0.00724 (0.00539, 0.00958) | 31.9 (21.2, 46.5)          | 0.0000778 (0.0000516, 0.0001133) | 0.0022 (0.00150, 0.00306)  |
| Jawa Tengah | Breast cancer                                 | 70  | 3.9 (1.5, 7.8)             | 0.0000121 (0.0000048, 0.0000244) | 0.00026 (0.00011, 0.00049) | 142.7 (104.4, 188.0)       | 0.0003478 (0.0002545, 0.0004582) | 0.00983 (0.00737, 0.01270) |
| Jawa Tengah | Cervical cancer                               | 70  |                            |                                  |                            | 102.8 (70.9, 141.0)        | 0.0002504 (0.0001727, 0.0003435) | 0.00708 (0.00507, 0.00949) |
| Jawa Tengah | Other malignant neoplasms                     | 70  | 369.5 (273.3, 476.3)       | 0.0011565 (0.0008553, 0.0014906) | 0.02504 (0.02223, 0.02825) | 409.1 (329.3, 495.2)       | 0.0009969 (0.0008024, 0.0012066) | 0.02819 (0.02410, 0.03312) |
| Jawa Tengah | Cerebrovascular disease                       | 70  | 4,028.4 (3,091.2, 4,943.0) | 0.0126077 (0.0096745, 0.0154700) | 0.27298 (0.26225, 0.28324) | 4,610.1 (3,948.2, 5,247.6) | 0.0112335 (0.0096208, 0.0127871) | 0.31758 (0.30609, 0.32876) |
| Jawa Tengah | Ischemic heart disease                        | 70  | 2,348.7 (1,792.8, 2,907.6) | 0.0073507 (0.0056110, 0.0091000) | 0.15914 (0.15054, 0.16763) | 1,723.6 (1,458.9, 1,979.8) | 0.0041999 (0.0035550, 0.0048243) | 0.11873 (0.11088, 0.12622) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 70  | 907.1 (676.7, 1,152.4)     | 0.0028389 (0.0021179, 0.0036068) | 0.06145 (0.05546, 0.06779) | 1,093.0 (911.4, 1,284.1)   | 0.0026633 (0.0022208, 0.0031291) | 0.07529 (0.06821, 0.08286) |
| Jawa Tengah | Diabetes mellitus                             | 70  | 574.2 (427.6, 724.0)       | 0.001797 (0.0013382, 0.0022660)  | 0.03891 (0.03462, 0.04338) | 803.8 (668.5, 954.4)       | 0.0019586 (0.0016290, 0.0023257) | 0.05538 (0.04973, 0.06149) |
| Jawa Tengah | Chronic kidney disease                        | 70  | 421.2 (310.2, 549.9)       | 0.0013182 (0.0009708, 0.0017211) | 0.02855 (0.02459, 0.03311) | 361.4 (291.0, 437.9)       | 0.0008806 (0.0007091, 0.0010670) | 0.0249 (0.02142, 0.02890)  |
| Jawa Tengah | Cirrhosis                                     | 70  | 517.0 (377.3, 660.0)       | 0.0016181 (0.0011810, 0.0020656) | 0.03504 (0.03077, 0.03948) | 396.3 (321.2, 475.2)       | 0.0009657 (0.0007826, 0.0011579) | 0.02731 (0.02347, 0.03122) |
| Jawa Tengah | Chronic respiratory diseases                  | 70  | 1,414.4 (1,065.9, 1,779.9) | 0.0044265 (0.0033361, 0.0055705) | 0.09585 (0.08868, 0.10304) | 959.0 (797.4, 1,123.4)     | 0.0023368 (0.0019429, 0.0027373) | 0.06605 (0.05999, 0.07182) |
| Jawa Tengah | Other non-communicable diseases               | 70  | 1,262.5 (953.1, 1,577.1)   | 0.0039513 (0.0029830, 0.0049359) | 0.08555 (0.07959, 0.09245) | 1,381.0 (1,155.5, 1,593.1) | 0.0033651 (0.0028156, 0.0038821) | 0.09514 (0.08811, 0.10319) |
| Jawa Tengah | Drowning                                      | 70  | 23.9 (12.6, 41.8)          | 0.0000747 (0.0000393, 0.0001309) | 0.00162 (0.00091, 0.00273) | 18.3 (9.0, 33.0)           | 0.0000447 (0.0000220, 0.0000804) | 0.00126 (0.00064, 0.00222) |
| Jawa Tengah | Falls                                         | 70  | 181.0 (122.2, 253.4)       | 0.0005664 (0.0003825, 0.0007930) | 0.01227 (0.00942, 0.01515) | 139.3 (104.3, 177.6)       | 0.0003394 (0.0002543, 0.0004327) | 0.00959 (0.00737, 0.01193) |
| Jawa Tengah | Interpersonal violence                        | 70  | 3.0 (1.2, 6.1)             | 0.0000095 (0.0000039, 0.0000192) | 0.0002 (0.00009, 0.00039)  | 1.6 (0.6, 3.7)             | 0.000004 (0.0000015, 0.0000091)  | 0.00011 (0.00004, 0.00025) |
| Jawa Tengah | Self-harm                                     | 70  | 16.9 (9.5, 27.3)           | 0.0000529 (0.0000296, 0.0000856) | 0.00115 (0.00072, 0.00174) | 6.7 (3.6, 11.4)            | 0.0000164 (0.0000088, 0.0000278) | 0.00046 (0.00025, 0.00076) |
| Jawa Tengah | Transport injuries                            | 70  | 154.7 (104.8, 217.4)       | 0.0004843 (0.0003281, 0.0006803) | 0.01049 (0.00798, 0.01324) | 69.0 (47.9, 92.0)          | 0.0001681 (0.0001167, 0.0002242) | 0.00476 (0.00339, 0.       |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                       |                                  |                            | Females                    |                                  |                            |
|-------------|----------------------------------------------------------|-----|-----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)             | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Tengah | Other unintentional injuries                             | 70  | 70.9 (47.6, 101.6)          | 0.0002219 (0.0001491, 0.0003179) | 0.00481 (0.00352, 0.00645) | 31.9 (21.7, 45.9)          | 0.0000776 (0.0000528, 0.0001120) | 0.0022 (0.00152, 0.00309)  |
| Jawa Tengah | Diarrheal diseases                                       | 75  | 684.5 (503.8, 878.5)        | 0.0035586 (0.0026193, 0.0045668) | 0.05582 (0.04964, 0.06231) | 1,031.5 (849.4, 1,204.7)   | 0.0039594 (0.0032603, 0.0046242) | 0.07059 (0.06334, 0.07769) |
| Jawa Tengah | HIV/AIDS                                                 | 75  | 4.4 (1.9, 9.6)              | 0.000023 (0.0000097, 0.0000497)  | 0.00036 (0.00016, 0.00073) | 5.0 (2.3, 10.4)            | 0.0000193 (0.0000089, 0.0000399) | 0.00035 (0.00016, 0.00070) |
| Jawa Tengah | Lower respiratory infections                             | 75  | 251.9 (177.9, 338.8)        | 0.0013094 (0.0009251, 0.0017612) | 0.02052 (0.01715, 0.02417) | 323.0 (258.6, 395.0)       | 0.0012397 (0.0009926, 0.0015161) | 0.02211 (0.01855, 0.02598) |
| Jawa Tengah | Malaria                                                  | 75  | 2.4 (0.6, 6.4)              | 0.0000127 (0.0000033, 0.0000331) | 0.0002 (0.00006, 0.00051)  | 1.6 (0.4, 4.4)             | 0.0000062 (0.0000016, 0.0000169) | 0.00011 (0.00003, 0.00030) |
| Jawa Tengah | Tuberculosis                                             | 75  | 751.1 (546.6, 965.1)        | 0.0039049 (0.0028417, 0.0050170) | 0.06121 (0.05492, 0.06802) | 563.5 (463.5, 671.2)       | 0.002163 (0.0017790, 0.0025763)  | 0.03857 (0.03366, 0.04364) |
| Jawa Tengah | Other communicable diseases                              | 75  | 235.7 (164.9, 322.9)        | 0.0012251 (0.0008571, 0.0016785) | 0.01922 (0.01515, 0.02341) | 285.3 (211.7, 366.0)       | 0.0010951 (0.0008510, 0.0014049) | 0.01952 (0.01586, 0.02389) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer                      | 75  | 74.3 (47.6, 110.1)          | 0.0003863 (0.0002474, 0.0005721) | 0.00606 (0.00431, 0.00804) | 24.4 (15.7, 35.4)          | 0.0000935 (0.0000603, 0.0001358) | 0.00167 (0.00110, 0.00234) |
| Jawa Tengah | Breast cancer                                            | 75  | 2.1 (0.7, 4.7)              | 0.0000111 (0.0000039, 0.0000244) | 0.00017 (0.00006, 0.00035) | 92.5 (63.0, 128.6)         | 0.000355 (0.0002419, 0.0004935)  | 0.00633 (0.00442, 0.00849) |
| Jawa Tengah | Cervical cancer                                          | 75  |                             |                                  |                            | 60.7 (38.9, 87.0)          | 0.0002331 (0.0001492, 0.0003340) | 0.00416 (0.00277, 0.00599) |
| Jawa Tengah | Other malignant neoplasms                                | 75  | 234.4 (168.9, 308.8)        | 0.0012185 (0.0008782, 0.0016053) | 0.0191 (0.01662, 0.02195)  | 348.7 (284.2, 421.0)       | 0.0013386 (0.0010909, 0.0016159) | 0.02388 (0.02052, 0.02786) |
| Jawa Tengah | Cerebrovascular disease                                  | 75  | 3,354.7 (2,499.3, 4,169.9)  | 0.0174397 (0.0129925, 0.0216772) | 0.27348 (0.26148, 0.28443) | 4,675.4 (3,994.5, 5,312.8) | 0.0179468 (0.0153331, 0.0203934) | 0.31997 (0.30889, 0.33159) |
| Jawa Tengah | Ischemic heart disease                                   | 75  | 2,087.6 (1,558.6, 2,627.3)  | 0.0108525 (0.0081026, 0.0136582) | 0.17014 (0.15996, 0.18071) | 1,903.5 (1,612.8, 2,185.5) | 0.0073066 (0.0061908, 0.0083891) | 0.13029 (0.12127, 0.13924) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 75  | 773.6 (565.4, 990.7)        | 0.0040214 (0.0029390, 0.0051500) | 0.06302 (0.05678, 0.06957) | 1,137.1 (953.9, 1,336.3)   | 0.0043646 (0.0036616, 0.0051293) | 0.07783 (0.07055, 0.08550) |
| Jawa Tengah | Diabetes mellitus                                        | 75  | 397.7 (290.0, 521.2)        | 0.0020674 (0.0015076, 0.0027096) | 0.03242 (0.02851, 0.03647) | 683.3 (562.2, 818.7)       | 0.0026227 (0.0021581, 0.0031426) | 0.04676 (0.04166, 0.05229) |
| Jawa Tengah | Chronic kidney disease                                   | 75  | 310.5 (224.2, 408.2)        | 0.0016142 (0.0011653, 0.0021220) | 0.02531 (0.02192, 0.02939) | 327.9 (265.8, 396.9)       | 0.0012585 (0.0010201, 0.0015237) | 0.02244 (0.01930, 0.02580) |
| Jawa Tengah | Cirrhosis                                                | 75  | 379.5 (270.9, 497.2)        | 0.0019727 (0.0014082, 0.0025846) | 0.03093 (0.02702, 0.03546) | 350.2 (285.8, 422.4)       | 0.0013443 (0.0010970, 0.0016213) | 0.02397 (0.02049, 0.02760) |
| Jawa Tengah | Chronic respiratory diseases                             | 75  | 1,159.2 (856.3, 1,485.3)    | 0.0060262 (0.0044514, 0.0077214) | 0.09449 (0.08705, 0.10302) | 942.9 (787.1, 1,105.8)     | 0.0036195 (0.0030213, 0.0042445) | 0.06454 (0.05851, 0.07102) |
| Jawa Tengah | Other non-communicable diseases                          | 75  | 1,203.0 (890.0, 1,520.3)    | 0.0062539 (0.0046268, 0.0079034) | 0.09805 (0.09098, 0.10503) | 1,600.5 (1,348.8, 1,839.3) | 0.0061436 (0.0051772, 0.0070602) | 0.10955 (0.10177, 0.11808) |
| Jawa Tengah | Drowning                                                 | 75  | 27.3 (13.8, 49.1)           | 0.0001418 (0.0000719, 0.0002552) | 0.00222 (0.00123, 0.00377) | 22.9 (11.9, 39.9)          | 0.0000877 (0.0000458, 0.0001531) | 0.00156 (0.00082, 0.00271) |
| Jawa Tengah | Falls                                                    | 75  | 175.2 (119.3, 247.4)        | 0.0009108 (0.0006203, 0.0012860) | 0.01429 (0.01116, 0.01807) | 150.6 (112.7, 195.8)       | 0.0005781 (0.0004325, 0.0007516) | 0.01031 (0.00795, 0.01304) |
| Jawa Tengah | Interpersonal violence                                   | 75  | 1.8 (0.6, 4.6)              | 0.0000094 (0.0000029, 0.0000240) | 0.00015 (0.00005, 0.00035) | 1.1 (0.4, 2.8)             | 0.0000044 (0.0000014, 0.0000108) | 0.00008 (0.00002, 0.00019) |
| Jawa Tengah | Self-harm                                                | 75  | 12.2 (6.2, 20.9)            | 0.0000633 (0.0000325, 0.0001089) | 0.00099 (0.00057, 0.00160) | 5.7 (2.9, 10.0)            | 0.0000219 (0.0000112, 0.0000383) | 0.00039 (0.00020, 0.00067) |
| Jawa Tengah | Transport injuries                                       | 75  | 91.8 (56.1, 138.1)          | 0.000477 (0.0002914, 0.0007177)  | 0.00748 (0.00522, 0.01012) | 46.1 (30.4, 65.9)          | 0.000177 (0.0001167, 0.0002529)  | 0.00316 (0.00211, 0.00440) |
| Jawa Tengah | Other unintentional injuries                             | 75  | 53.4 (34.0, 79.3)           | 0.0002778 (0.0001766, 0.0004121) | 0.00436 (0.00303, 0.00595) | 27.5 (18.6, 41.0)          | 0.0001056 (0.0000715, 0.0001574) | 0.00188 (0.00126, 0.00277) |
| Jawa Tengah | Diarrheal diseases                                       | 80  | 1,601.4 (1,294.7, 1,908.6)  | 0.0117642 (0.0095110, 0.0140207) | 0.09041 (0.08212, 0.09823) | 2,562.7 (2,268.4, 2,849.2) | 0.013596 (0.0120345, 0.0151158)  | 0.10498 (0.09649, 0.11343) |
| Jawa Tengah | HIV/AIDS                                                 | 80  | 6.7 (2.3, 16.6)             | 0.0000493 (0.0000167, 0.0001218) | 0.00038 (0.00013, 0.00092) | 8.4 (2.9, 21.6)            | 0.0000448 (0.0000152, 0.0001146) | 0.00035 (0.00011, 0.00088) |
| Jawa Tengah | Lower respiratory infections                             | 80  | 429.2 (329.9, 550.3)        | 0.0031533 (0.0024238, 0.0040429) | 0.02423 (0.02013, 0.02857) | 620.8 (510.0, 745.6)       | 0.0032938 (0.0027056, 0.0039554) | 0.02543 (0.02128, 0.02984) |
| Jawa Tengah | Malaria                                                  | 80  | 3.7 (0.9, 10.2)             | 0.000027 (0.0000068, 0.0000751)  | 0.00021 (0.00006, 0.00058) | 2.6 (0.7, 7.4)             | 0.000014 (0.0000037, 0.0000393)  | 0.00011 (0.00003, 0.00030) |
| Jawa Tengah | Tuberculosis                                             | 80  | 992.1 (791.3, 1,204.1)      | 0.0072881 (0.0058131, 0.0088454) | 0.056 (0.04986, 0.06274)   | 857.2 (723.1, 998.0)       | 0.0045476 (0.0038364, 0.0052948) | 0.03511 (0.03056, 0.04012) |
| Jawa Tengah | Other communicable diseases                              | 80  | 378.5 (285.9, 489.7)        | 0.0027807 (0.0021003, 0.0035973) | 0.02139 (0.01724, 0.02591) | 490.1 (394.5, 607.3)       | 0.0026002 (0.0020931, 0.0032220) | 0.02008 (0.01626, 0.02459) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer                      | 80  | 82.7 (52.5, 120.8)          | 0.0006079 (0.0003856, 0.0008875) | 0.00467 (0.00311, 0.00670) | 32.8 (19.9, 50.0)          | 0.0001742 (0.0001055, 0.0002652) | 0.00135 (0.00081, 0.00202) |
| Jawa Tengah | Breast cancer                                            | 80  | 2.3 (0.7, 5.6)              | 0.0000171 (0.0000052, 0.0000409) | 0.00013 (0.00004, 0.00030) | 96.7 (57.3, 145.3)         | 0.0005129 (0.0003041, 0.0007708) | 0.00396 (0.00238, 0.00597) |
| Jawa Tengah | Cervical cancer                                          | 80  |                             |                                  |                            | 61.3 (31.6, 101.8)         | 0.0003251 (0.0001674, 0.0005403) | 0.00251 (0.00131, 0.00417) |
| Jawa Tengah | Other malignant neoplasms                                | 80  | 274.0 (210.8, 346.7)        | 0.0020126 (0.0015482, 0.0025468) | 0.01548 (0.01272, 0.01838) | 443.7 (354.5, 542.2)       | 0.0023539 (0.0018809, 0.0028766) | 0.01818 (0.01475, 0.02196) |
| Jawa Tengah | Cerebrovascular disease                                  | 80  | 4,808.3 (3,967.0, 5,633.9)  | 0.0353232 (0.0291423, 0.0413881) | 0.27147 (0.25875, 0.28469) | 7,785.2 (6,989.0, 8,495.0) | 0.0413033 (0.0370789, 0.0450688) | 0.3189 (0.30612, 0.33179)  |
| Jawa Tengah | Ischemic heart disease                                   | 80  | 2,706.3 (2,221.1, 3,209.7)  | 0.0198811 (0.0163169, 0.0235793) | 0.15279 (0.14200, 0.16354) | 3,055.0 (2,697.8, 3,395.9) | 0.0162079 (0.0143127, 0.0180167) | 0.12514 (0.11597, 0.13443) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 80  | 1,041.0 (819.6, 1,290.0)    | 0.0076472 (0.0060208, 0.0094766) | 0.05877 (0.05157, 0.06788) | 1,727.1 (1,485.0, 1,971.3) | 0.0091631 (0.0078784, 0.0104584) | 0.07076 (0.06189, 0.07913) |
| Jawa Tengah | Diabetes mellitus                                        | 80  | 450.1 (350.5, 565.7)        | 0.0033067 (0.0025745, 0.0041560) | 0.02541 (0.02210, 0.02957) | 899.7 (763.2, 1,066.1)     | 0.0047733 (0.0040492, 0.0056561) | 0.03686 (0.03227, 0.04293) |
| Jawa Tengah | Chronic kidney disease                                   | 80  | 362.8 (276.3, 466.5)        | 0.0026672 (0.0020299, 0.0034269) | 0.02048 (0.01692, 0.02461) | 445.1 (358.3, 540.6)       | 0.0023616 (0.0019008, 0.0028683) | 0.01823 (0.01496, 0.02176) |
| Jawa Tengah | Cirrhosis                                                | 80  | 459.7 (353.3, 575.3)        | 0.0033772 (0.0025955, 0.0042263) | 0.02596 (0.02172, 0.03054) | 490.0 (398.8, 594.8)       | 0.0025996 (0.0021155, 0.0031555) | 0.02007 (0.01677, 0.02391) |
| Jawa Tengah | Chronic respiratory diseases                             | 80  | 1,687.1 (1,356.8, 2,025.1)  | 0.0123938 (0.0099670, 0.0148771) | 0.09524 (0.08703, 0.10373) | 1,506.9 (1,308.2, 1,722.8) | 0.0079946 (0.0069403, 0.0091398) | 0.06172 (0.05553, 0.06858) |
| Jawa Tengah | Other non-communicable diseases                          | 80  | 1,903.8 (1,556.7, 2,270.8)  | 0.0139858 (0.0114356, 0.0166819) | 0.10749 (0.09903, 0.11674) | 2,903.0 (2,566.2, 3,250.8) | 0.0154012 (0.0136145, 0.0172464) | 0.11891 (0.10949, 0.12909) |
| Jawa Tengah | Drowning                                                 | 80  | 36.1 (17.0, 68.4)           | 0.0002651 (0.0001252, 0.0005025) | 0.00204 (0.00095, 0.00366) | 33.2 (14.4, 62.5)          | 0.0001763 (0.0000764, 0.0003317) | 0.00136 (0.00059, 0.00252) |
| Jawa Tengah | Falls                                                    | 80  | 302.1 (217.9, 397.1)        | 0.0022193 (0.0016007, 0.0029172) | 0.01706 (0.01345, 0.02104) | 286.9 (220.5, 358.3)       | 0.0015218 (0.0011696, 0.0019009) | 0.01175 (0.00914, 0.01434) |
| Jawa Tengah | Interpersonal violence                                   | 80  | 1.8 (0.4, 5.0)              | 0.0000132 (0.0000026, 0.0000368) | 0.0001 (0.00002, 0.00028)  | 1.3 (0.3, 3.6)             | 0.0000067 (0.0000016, 0.0000190) | 0.00005 (0.00001, 0.00015) |
| Jawa Tengah | Self-harm                                                | 80  | 14.5 (6.9, 26.8)            | 0.0001062 (0.0000509, 0.0001972) | 0.00082 (0.00041, 0.00148) | 7.6 (3.3, 14.3)            | 0.0000402 (0.0000178, 0.0000757) | 0.00031 (0.00014, 0.00060) |
| Jawa Tengah | Transport injuries                                       | 80  | 103.0 (64.5, 150.7)         | 0.0007566 (0.0004736, 0.0011069) | 0.00581 (0.00383, 0.00819) | 57.6 (34.7, 86.6)          | 0.0003054 (0.0001841, 0.0004594) | 0.00236 (0.00146, 0.00358) |
| Jawa Tengah | Other unintentional injuries                             | 80  | 65.0 (38.7, 99.3)           | 0.0004772 (0.0002841, 0.0007292) | 0.00367 (0.00226, 0.00548) | 37.2 (22.1, 57.2)          | 0.0001973 (0.0001172, 0.0003037) | 0.00152 (0.00092, 0.00234) |
| Jawa Tengah | Diarrheal diseases                                       | All | 6,217.9 (4,974.2, 7,558.8)  | 0.0003589 (0.0002871, 0.0004363) | 0.04989 (0.04476, 0.05554) | 7,866.4 (6,761.3, 9,102.0) | 0.0004494 (0.0003862, 0.0005200) | 0.0699 (0.06349, 0.07745)  |
| Jawa Tengah | HIV/AIDS                                                 | All | 463.6 (311.2, 671.8)        | 0.0000268 (0.0000180, 0.0000388) | 0.00373 (0.00256, 0.00525) | 280.0 (177.4, 418.6)       | 0.000016 (0.0000101, 0.0000239)  | 0.00249 (0.00163, 0.00362) |
| Jawa Tengah | Lower respiratory infections                             | All | 3,449.7 (2,592.4, 4,402.5)  | 0.0001991 (0.0001496, 0.0002541) | 0.02771 (0.02243, 0.03393) | 2,995.3 (2,402.0, 3,684.8) | 0.0001771 (0.0001372, 0.0002105) | 0.0266 (0.02235, 0.03148)  |
| Jawa Tengah | Malaria                                                  | All | 36.8 (10.5, 90.6)           | 0.0000021 (0.0000006, 0.0000052) | 0.0003 (0.00008, 0.00072)  | 20.8 (5.9, 54.0)           | 0.0000012 (0.0000003, 0.0000031) | 0.00018 (0.00005, 0.00047) |
| Jawa Tengah | Tuberculosis                                             | All | 8,367.8 (6,809.9, 10,121.5) | 0.000483 (0.0003931, 0.0005842)  | 0.06708 (0.06206, 0.07230) | 4,850.3 (4,098.0, 5,655.2) | 0.0002771 (0.0002341, 0.0003231) | 0.04306 (0.03926, 0.04714) |
| Jawa Tengah | Maternal disorders                                       | All |                             |                                  |                            | 484.8 (357.0, 641.4)       | 0.0000277 (0.0000204, 0.0000366) | 0.00403 (0.00337, 0.00529) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | All | 2,087.6 (1,068.8, 3,321.7)  | 0.0001205 (0.0000617, 0.0001917) | 0.01677 (0.00859, 0.02702) | 1,331.9 (685.6, 2,255.6)   | 0.0000761 (0.0000392, 0.0001289) | 0.01179 (0.00618, 0.01970) |
| Jawa Tengah | Preterm birth complications                              | All | 2,116.1 (1,067.5, 3,365.7)  | 0.0001222 (0.0000616, 0.0001943) | 0.017 (0.00860, 0.02802)   | 1,819.6 (969.8, 2,980.8)   | 0.0001039 (0.0000554, 0.0001703) | 0.01612 (0.00881, 0.02580) |
| Jawa Tengah | Other neonatal disorders                                 | All | 468.5 (182.5, 889.2)        | 0.000027 (0.0000105, 0.0000513)  | 0.00376 (0.00155, 0.00725) | 284.1 (119.3, 582.4)       | 0.0000162 (0.0000068, 0.0000333) | 0.00252 (0.00109, 0.00511) |
| Jawa Tengah | Other communicable diseases                              | All | 5,680.9 (4,598.8, 6,833.4)  | 0.0003279 (0.0002655, 0.0003944) | 0.04569 (0.03938, 0.05332) | 4,428.1 (3,634.2, 5,382.8) | 0.000253 (0.0002076, 0.0003075)  | 0.03932 (0.03425, 0.04595) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer                      | All | 849.9 (600.5, 1,142.4)      | 0.0000491 (0.0000347, 0.0000659) | 0.00681 (0.00520, 0.00883) | 284.6 (204.0, 389.6)       | 0.0000163 (0.0000117, 0.0000223) | 0.00253 (0.00185, 0.00330) |
| Jawa Tengah | Breast cancer                                            | All | 50.1 (27.2, 86.0)           | 0.0000029 (0.0000016, 0.0000050) | 0.0004 (0.00023, 0.00068)  | 2,277.9 (1,817.4, 2,818.3) | 0.0001301 (0.0001038, 0.0001610) | 0.02021 (0.01715, 0.02344) |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males                         |                                  |                             | Females                       |                                    |                             |
|---------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|-----------------------------|-------------------------------|------------------------------------|-----------------------------|
|               |                                                          |     | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)               | CSMR (95% UI)                      | CF (95% UI)                 |
| Jawa Tengah   | Cervical cancer                                          | All |                               |                                  |                             | 1,612.9 (1,254.2, 2,080.2)    | 0.0000921 (0.0000716, 0.0001188)   | 0.0143 (0.01175, 0.01720)   |
| Jawa Tengah   | Other malignant neoplasms                                | All | 4,856.1 (3,942.1, 5,944.6)    | 0.0002803 (0.0002275, 0.0003431) | 0.03896 (0.03555, 0.04300)  | 3,758.0 (3,086.0, 4,452.0)    | 0.0002147 (0.0001763, 0.0002543)   | 0.03336 (0.02989, 0.03734)  |
| Jawa Tengah   | Cerebrovascular disease                                  | All | 25,375.8 (20,323.2, 30,543.3) | 0.0014648 (0.0011731, 0.0017631) | 0.20319 (0.18782, 0.21735)  | 28,356.4 (24,402.7, 32,387.0) | 0.0001619 (0.00013940, 0.00018501) | 0.25183 (0.23851, 0.26444)  |
| Jawa Tengah   | Ischemic heart disease                                   | All | 17,038.4 (13,661.7, 20,564.8) | 0.0009835 (0.0007886, 0.0011871) | 0.13647 (0.12613, 0.14621)  | 11,824.9 (10,111.4, 13,549.4) | 0.0006755 (0.0005776, 0.0007740)   | 0.10501 (0.09757, 0.11215)  |
| Jawa Tengah   | Other cardiovascular and circulatory diseases            | All | 5,585.5 (4,372.6, 6,878.2)    | 0.0003224 (0.0002524, 0.0003970) | 0.04472 (0.03990, 0.04967)  | 6,736.0 (5,643.7, 7,871.2)    | 0.0003848 (0.0003224, 0.0004496)   | 0.05982 (0.05427, 0.06527)  |
| Jawa Tengah   | Diabetes mellitus                                        | All | 4,986.5 (3,932.6, 6,169.2)    | 0.0002878 (0.0002270, 0.0003561) | 0.03994 (0.03573, 0.04393)  | 6,159.3 (5,157.4, 7,298.2)    | 0.0003518 (0.0002946, 0.0004169)   | 0.05467 (0.04985, 0.06005)  |
| Jawa Tengah   | Chronic kidney disease                                   | All | 3,848.7 (3,080.7, 4,754.3)    | 0.0002222 (0.0001778, 0.0002744) | 0.03085 (0.02748, 0.03465)  | 3,026.7 (2,496.2, 3,622.3)    | 0.0001729 (0.0001426, 0.0002069)   | 0.02686 (0.02382, 0.03022)  |
| Jawa Tengah   | Cirrhosis                                                | All | 5,429.2 (4,327.4, 6,632.7)    | 0.0003134 (0.0002498, 0.0003829) | 0.04354 (0.03877, 0.04842)  | 3,355.0 (2,734.4, 4,018.4)    | 0.0001917 (0.0001562, 0.0002295)   | 0.02978 (0.02608, 0.03339)  |
| Jawa Tengah   | Chronic respiratory diseases                             | All | 7,808.7 (6,152.9, 9,609.6)    | 0.0004507 (0.0003552, 0.0005547) | 0.06253 (0.05671, 0.06846)  | 5,365.0 (4,550.8, 6,256.8)    | 0.0003065 (0.0002600, 0.0003574)   | 0.04765 (0.04328, 0.05221)  |
| Jawa Tengah   | Other non-communicable diseases                          | All | 11,491.3 (9,349.0, 13,809.5)  | 0.0006633 (0.0005397, 0.0007971) | 0.09216 (0.08598, 0.09813)  | 12,007.4 (10,306.8, 13,886.1) | 0.0006859 (0.0005888, 0.0007932)   | 0.10662 (0.09976, 0.11365)  |
| Jawa Tengah   | Drowning                                                 | All | 859.6 (640.3, 1,102.5)        | 0.0000496 (0.0000370, 0.0000636) | 0.00693 (0.00516, 0.00902)  | 330.4 (232.5, 465.7)          | 0.0000189 (0.0000133, 0.0000266)   | 0.00293 (0.00207, 0.00401)  |
| Jawa Tengah   | Falls                                                    | All | 1,754.8 (1,341.4, 2,241.5)    | 0.0001013 (0.0000774, 0.0001294) | 0.01408 (0.01186, 0.01660)  | 1,114.2 (886.4, 1,362.9)      | 0.0000636 (0.0000506, 0.0000779)   | 0.00989 (0.00834, 0.01172)  |
| Jawa Tengah   | Interpersonal violence                                   | All | 134.5 (84.3, 209.3)           | 0.0000078 (0.0000049, 0.0000121) | 0.00108 (0.00068, 0.00162)  | 75.5 (46.6, 116.1)            | 0.0000043 (0.0000027, 0.0000066)   | 0.00067 (0.00042, 0.00100)  |
| Jawa Tengah   | Self-harm                                                | All | 339.8 (240.5, 470.0)          | 0.0000196 (0.0000139, 0.0000271) | 0.00273 (0.00205, 0.00359)  | 151.1 (104.6, 212.9)          | 0.0000086 (0.0000060, 0.0000122)   | 0.00134 (0.00094, 0.00184)  |
| Jawa Tengah   | Transport injuries                                       | All | 3,994.6 (3,286.3, 4,920.0)    | 0.0002306 (0.0001897, 0.0002840) | 0.03208 (0.02812, 0.03617)  | 1,288.6 (1,034.0, 1,571.0)    | 0.0000736 (0.0000591, 0.0000897)   | 0.01144 (0.00977, 0.01322)  |
| Jawa Tengah   | Other unintentional injuries                             | All | 1,443.9 (1,137.6, 1,824.9)    | 0.0000833 (0.0000657, 0.0001053) | 0.0116 (0.00941, 0.01389)   | 541.8 (413.2, 690.1)          | 0.000031 (0.0000236, 0.0000394)    | 0.00481 (0.00384, 0.00587)  |
| DI Yogyakarta | Diarrheal diseases                                       | NN  | 8.9 (3.3, 18.4)               | 0.0038226 (0.0013912, 0.0078575) | 0.01788 (0.01031, 0.02972)  | 7.7 (3.0, 16.0)               | 0.0034552 (0.0013601, 0.0072206)   | 0.01937 (0.01127, 0.03199)  |
| DI Yogyakarta | Lower respiratory infections                             | NN  | 39.5 (16.6, 72.5)             | 0.0168985 (0.0071056, 0.0309856) | 0.07934 (0.05265, 0.11153)  | 25.8 (11.2, 49.0)             | 0.0115989 (0.0050409, 0.0220470)   | 0.06524 (0.04414, 0.09535)  |
| DI Yogyakarta | Malaria                                                  | NN  | - (0.0, 0.1)                  | 0.0000067 (0.0000002, 0.0000314) | 0.00003 (0.00000, 0.000014) | - (0.0, 0.0)                  | 0.0000043 (0.0000001, 0.0000206)   | 0.00002 (0.00000, 0.000011) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 142.1 (62.7, 254.8)           | 0.0607602 (0.0268119, 0.1089676) | 0.28612 (0.19053, 0.38784)  | 104.8 (47.0, 189.9)           | 0.0471828 (0.0211351, 0.0854604)   | 0.26686 (0.17363, 0.36401)  |
| DI Yogyakarta | Preterm birth complications                              | NN  | 146.2 (62.9, 261.1)           | 0.0625425 (0.0268880, 0.1116676) | 0.29465 (0.19848, 0.40159)  | 137.1 (64.0, 250.7)           | 0.0617058 (0.0288169, 0.1128265)   | 0.34853 (0.24355, 0.45728)  |
| DI Yogyakarta | Other neonatal disorders                                 | NN  | 40.2 (8.2, 106.7)             | 0.017211 (0.0034986, 0.0456137)  | 0.0809 (0.02018, 0.17896)   | 27.9 (5.4, 74.0)              | 0.0125766 (0.0024463, 0.0333069)   | 0.07118 (0.01623, 0.16467)  |
| DI Yogyakarta | Other communicable diseases                              | NN  | 5.4 (2.0, 11.6)               | 0.0023169 (0.0008439, 0.0049526) | 0.01088 (0.00578, 0.01900)  | 3.3 (1.2, 7.2)                | 0.0001501 (0.0005356, 0.0032523)   | 0.00841 (0.00439, 0.01457)  |
| DI Yogyakarta | Other malignant neoplasms                                | NN  | 4.4 (1.6, 9.0)                | 0.0018733 (0.0006892, 0.0038481) | 0.00883 (0.00479, 0.01450)  | 3.8 (1.5, 7.8)                | 0.0017155 (0.0006569, 0.0035193)   | 0.00971 (0.00519, 0.01600)  |
| DI Yogyakarta | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.3)                | 0.000383 (0.0000907, 0.0009952)  | 0.00181 (0.00059, 0.00409)  | 1.0 (0.3, 2.7)                | 0.0004518 (0.0001178, 0.0012122)   | 0.00256 (0.00084, 0.00579)  |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 2.6)                | 0.0004073 (0.0000897, 0.0011065) | 0.00191 (0.00053, 0.00448)  | 1.1 (0.3, 3.1)                | 0.0004913 (0.0001169, 0.0014067)   | 0.00279 (0.00081, 0.00661)  |
| DI Yogyakarta | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.6)                | 0.0000879 (0.0000004, 0.0007013) | 0.00042 (0.00000, 0.00308)  | 0.2 (0.0, 1.9)                | 0.0001101 (0.0000006, 0.0008396)   | 0.00063 (0.00000, 0.00479)  |
| DI Yogyakarta | Other non-communicable diseases                          | NN  | 65.0 (31.8, 106.1)            | 0.027784 (0.0136003, 0.0453553)  | 0.13088 (0.10826, 0.15476)  | 64.6 (32.2, 107.9)            | 0.0290502 (0.0145095, 0.0485396)   | 0.16429 (0.13713, 0.19395)  |
| DI Yogyakarta | Drowning                                                 | NN  | 7.5 (2.3, 16.6)               | 0.0031994 (0.0009777, 0.0070831) | 0.01507 (0.00667, 0.02829)  | 2.3 (0.7, 5.5)                | 0.0010559 (0.0003194, 0.0024656)   | 0.00601 (0.00230, 0.01192)  |
| DI Yogyakarta | Falls                                                    | NN  | 8.2 (2.3, 19.7)               | 0.0034885 (0.0009661, 0.0084165) | 0.01631 (0.00622, 0.03321)  | 3.5 (1.0, 9.1)                | 0.0015736 (0.0004316, 0.0040825)   | 0.00887 (0.00318, 0.01852)  |
| DI Yogyakarta | Interpersonal violence                                   | NN  | 0.7 (0.2, 1.8)                | 0.0002879 (0.0000693, 0.0007781) | 0.00136 (0.00044, 0.00342)  | 0.5 (0.1, 1.3)                | 0.0002163 (0.0000489, 0.0005828)   | 0.00122 (0.00039, 0.00295)  |
| DI Yogyakarta | Transport injuries                                       | NN  | 14.6 (4.7, 32.3)              | 0.0062542 (0.0002043, 0.0138126) | 0.02926 (0.01401, 0.05150)  | 4.6 (1.6, 11.0)               | 0.0020779 (0.0006985, 0.0049358)   | 0.01172 (0.00505, 0.02140)  |
| DI Yogyakarta | Other unintentional injuries                             | NN  | 12.2 (4.3, 25.0)              | 0.0051964 (0.0018551, 0.0106928) | 0.02434 (0.01332, 0.03981)  | 5.0 (1.7, 11.0)               | 0.0022352 (0.0007744, 0.0049405)   | 0.01258 (0.00637, 0.02179)  |
| DI Yogyakarta | Diarrheal diseases                                       | PNN | 77.0 (35.3, 135.0)            | 0.0026401 (0.0012083, 0.0046273) | 0.3201 (0.24620, 0.40209)   | 78.3 (35.0, 139.7)            | 0.0028242 (0.0012632, 0.0050368)   | 0.37569 (0.29624, 0.45985)  |
| DI Yogyakarta | HIV/AIDS                                                 | PNN | 2.8 (0.5, 8.1)                | 0.0000973 (0.0000177, 0.0002790) | 0.01193 (0.00235, 0.03436)  | 2.1 (0.4, 6.6)                | 0.000077 (0.0000132, 0.0002385)    | 0.01025 (0.00206, 0.02903)  |
| DI Yogyakarta | Lower respiratory infections                             | PNN | 29.2 (14.0, 51.7)             | 0.0010022 (0.0004804, 0.0017724) | 0.12177 (0.08741, 0.15796)  | 21.7 (9.5, 40.1)              | 0.0007837 (0.0003440, 0.0014466)   | 0.10423 (0.07469, 0.13865)  |
| DI Yogyakarta | Malaria                                                  | PNN | 0.1 (0.0, 0.6)                | 0.0000044 (0.0000002, 0.0000221) | 0.00053 (0.00003, 0.00256)  | 0.1 (0.0, 0.5)                | 0.0000033 (0.0000001, 0.0000163)   | 0.00045 (0.00002, 0.00221)  |
| DI Yogyakarta | Tuberculosis                                             | PNN | 3.1 (1.1, 7.1)                | 0.0001058 (0.0000371, 0.0002428) | 0.01286 (0.00594, 0.02469)  | 2.4 (0.8, 5.5)                | 0.0000863 (0.0000275, 0.0001975)   | 0.01146 (0.00524, 0.02168)  |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 3.7 (0.9, 9.9)                | 0.0001276 (0.0000307, 0.0003383) | 0.01544 (0.00411, 0.03798)  | 2.9 (0.7, 8.3)                | 0.0001056 (0.0000246, 0.0002976)   | 0.01398 (0.00389, 0.03394)  |
| DI Yogyakarta | Preterm birth complications                              | PNN | 11.0 (3.2, 28.9)              | 0.0003764 (0.0001096, 0.0009906) | 0.0458 (0.01637, 0.10614)   | 12.9 (3.4, 34.1)              | 0.0004649 (0.0001239, 0.0012290)   | 0.06201 (0.02166, 0.13316)  |
| DI Yogyakarta | Other neonatal disorders                                 | PNN | 3.4 (0.5, 10.9)               | 0.0001156 (0.0000175, 0.0003746) | 0.01421 (0.00239, 0.04161)  | 2.6 (0.4, 8.6)                | 0.0000949 (0.0000131, 0.0003106)   | 0.01272 (0.00206, 0.03792)  |
| DI Yogyakarta | Other communicable diseases                              | PNN | 52.1 (23.3, 91.2)             | 0.0017867 (0.0007978, 0.0031249) | 0.21704 (0.14940, 0.28892)  | 38.1 (15.4, 70.7)             | 0.0013746 (0.0005550, 0.0025507)   | 0.18222 (0.12156, 0.24928)  |
| DI Yogyakarta | Other malignant neoplasms                                | PNN | 2.0 (0.7, 4.0)                | 0.0000678 (0.0000252, 0.0001363) | 0.00826 (0.00448, 0.01340)  | 1.9 (0.7, 4.1)                | 0.0000697 (0.0000253, 0.0001471)   | 0.00927 (0.00500, 0.01546)  |
| DI Yogyakarta | Cerebrovascular disease                                  | PNN | 0.4 (0.1, 1.1)                | 0.0000114 (0.0000034, 0.0000369) | 0.0017 (0.00055, 0.00385)   | 0.5 (0.1, 1.3)                | 0.0000184 (0.0000050, 0.0000465)   | 0.00246 (0.00080, 0.00559)  |
| DI Yogyakarta | Ischemic heart disease                                   | PNN | 0.2 (0.0, 0.7)                | 0.0000053 (0.0000003, 0.0000256) | 0.00065 (0.00004, 0.00295)  | 0.2 (0.0, 1.0)                | 0.0000067 (0.0000004, 0.0000348)   | 0.00089 (0.00006, 0.00418)  |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | PNN | 0.4 (0.1, 1.2)                | 0.0000147 (0.0000035, 0.0000396) | 0.00179 (0.00051, 0.00417)  | 0.6 (0.1, 1.6)                | 0.0000201 (0.0000046, 0.0000562)   | 0.00266 (0.00078, 0.00646)  |
| DI Yogyakarta | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.8)                | 0.0000033 (0.0000000, 0.0000264) | 0.0004 (0.00000, 0.00295)   | 0.1 (0.0, 1.0)                | 0.0000045 (0.0000000, 0.0000363)   | 0.0006 (0.00000, 0.00463)   |
| DI Yogyakarta | Chronic kidney disease                                   | PNN | 2.3 (0.8, 5.2)                | 0.0000795 (0.0000288, 0.0001786) | 0.00962 (0.00478, 0.01846)  | 2.0 (0.7, 4.4)                | 0.0000715 (0.0000241, 0.0001570)   | 0.00949 (0.00455, 0.01711)  |
| DI Yogyakarta | Other non-communicable diseases                          | PNN | 29.3 (14.1, 49.6)             | 0.0010049 (0.0004832, 0.0016988) | 0.12189 (0.09881, 0.14400)  | 32.6 (15.2, 57.0)             | 0.0011743 (0.0005490, 0.0020555)   | 0.15619 (0.12926, 0.18412)  |
| DI Yogyakarta | Drowning                                                 | PNN | 4.2 (1.3, 9.5)                | 0.0001427 (0.0000461, 0.0003257) | 0.01726 (0.00795, 0.03145)  | 1.5 (0.5, 3.5)                | 0.0000526 (0.0000176, 0.0001257)   | 0.00699 (0.00274, 0.01351)  |
| DI Yogyakarta | Falls                                                    | PNN | 4.3 (1.2, 10.6)               | 0.0001488 (0.0000425, 0.0003626) | 0.01792 (0.00693, 0.03673)  | 2.1 (0.6, 5.2)                | 0.0000746 (0.0000208, 0.0001862)   | 0.00988 (0.00362, 0.02014)  |
| DI Yogyakarta | Interpersonal violence                                   | PNN | 0.3 (0.1, 0.9)                | 0.0000119 (0.0000032, 0.0000324) | 0.00146 (0.00049, 0.00358)  | 0.3 (0.1, 0.7)                | 0.00001 (0.0000024, 0.0000253)     | 0.00133 (0.00044, 0.00318)  |
| DI Yogyakarta | Transport injuries                                       | PNN | 8.0 (2.9, 16.5)               | 0.0002729 (0.0000997, 0.0005656) | 0.03305 (0.01668, 0.05692)  | 2.8 (1.0, 6.4)                | 0.0001013 (0.0000346, 0.0002294)   | 0.01344 (0.00599, 0.02435)  |
| DI Yogyakarta | Other unintentional injuries                             | PNN | 6.4 (2.4, 13.4)               | 0.0002178 (0.0000826, 0.0004587) | 0.02631 (0.01481, 0.04180)  | 2.9 (1.1, 6.1)                | 0.0001039 (0.0000391, 0.0002198)   | 0.01379 (0.00721, 0.02346)  |
| DI Yogyakarta | Diarrheal diseases                                       | 1   | 21.5 (7.2, 47.9)              | 0.0001887 (0.0000627, 0.0004205) | 0.17834 (0.12495, 0.24804)  | 18.4 (7.0, 37.0)              | 0.0001647 (0.0000627, 0.0003314)   | 0.23673 (0.17322, 0.31187)  |
| DI Yogyakarta | HIV/AIDS                                                 | 1   | 1.7 (0.3, 5.8)                | 0.0000152 (0.0000023, 0.0000506) | 0.01453 (0.00285, 0.04186)  | 1.1 (0.2, 3.6)                | 0.0000098 (0.0000015, 0.0000323)   | 0.01421 (0.00280, 0.04087)  |
| DI Yogyakarta | Lower respiratory infections                             | 1   | 17.4 (6.0, 37.2)              | 0.0001526 (0.0000527, 0.0003259) | 0.1448 (0.10472, 0.18588)   | 10.9 (4.3, 22.2)              | 0.0000979 (0.0000386, 0.0001991)   | 0.14135 (0.10074, 0.18338)  |
| DI Yogyakarta | Malaria                                                  | 1   | - (0.0, 0.2)                  | 0.0000003 (0.0000000, 0.0000014) | 0.00024 (0.00001, 0.00116)  | - (0.0, 0.1)                  | 0.0000002 (0.0000000, 0.0000008)   | 0.00023 (0.00001, 0.00113)  |
| DI Yogyakarta | Tuberculosis                                             | 1   | 2.0 (0.6, 4.9)                | 0.0000173 (0.0000049, 0.0000429) | 0.01649 (0.00802, 0.03124)  | 1.3 (0.4, 3.2)                | 0.0000116 (0.0000036, 0.0000287)   | 0.01675 (0.00788, 0.03087)  |



Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males             |                                  |                            | Females          |                                  |                            |
|---------------|----------------------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|               |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.1 (0.2, 3.4)    | 0.000097 (0.0000019, 0.0000297)  | 0.00921 (0.00248, 0.02272) | 0.7 (0.1, 2.0)   | 0.000062 (0.0000012, 0.0000183)  | 0.00896 (0.00245, 0.02275) |
| DI Yogyakarta | Preterm birth complications                              | 1   | 0.6 (0.1, 2.4)    | 0.0000056 (0.0000007, 0.0000210) | 0.00525 (0.00093, 0.01834) | 0.6 (0.1, 2.3)   | 0.0000054 (0.0000008, 0.0000204) | 0.00774 (0.00129, 0.02606) |
| DI Yogyakarta | Other neonatal disorders                                 | 1   | 0.1 (0.0, 1.1)    | 0.0000012 (0.0000000, 0.0000095) | 0.00118 (0.00001, 0.00991) | 0.1 (0.0, 0.6)   | 0.0000008 (0.0000000, 0.0000056) | 0.00112 (0.00001, 0.00803) |
| DI Yogyakarta | Other communicable diseases                              | 1   | 31.6 (11.2, 70.0) | 0.0002774 (0.0000986, 0.0006138) | 0.26262 (0.19923, 0.32316) | 19.9 (7.5, 40.3) | 0.0001777 (0.0000668, 0.0003604) | 0.25589 (0.18759, 0.32052) |
| DI Yogyakarta | Other malignant neoplasms                                | 1   | 0.8 (0.2, 2.0)    | 0.0000073 (0.0000021, 0.0000172) | 0.00685 (0.00360, 0.01160) | 0.7 (0.2, 1.6)   | 0.0000063 (0.0000020, 0.0000146) | 0.00906 (0.00478, 0.01530) |
| DI Yogyakarta | Cerebrovascular disease                                  | 1   | 0.2 (0.0, 0.5)    | 0.0000016 (0.0000004, 0.0000046) | 0.00154 (0.00049, 0.00332) | 0.2 (0.0, 0.5)   | 0.0000018 (0.0000004, 0.0000049) | 0.00262 (0.00087, 0.00588) |
| DI Yogyakarta | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.3)    | 0.0000006 (0.0000000, 0.0000029) | 0.0006 (0.00004, 0.00273)  | 0.1 (0.0, 0.4)   | 0.0000006 (0.0000000, 0.0000032) | 0.00096 (0.00007, 0.00449) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)    | 0.0000016 (0.0000003, 0.0000049) | 0.00152 (0.00041, 0.00367) | 0.2 (0.0, 0.6)   | 0.0000018 (0.0000004, 0.0000054) | 0.00266 (0.00077, 0.00652) |
| DI Yogyakarta | Diabetes mellitus                                        | 1   | - (0.0, 0.4)      | 0.0000004 (0.0000000, 0.0000031) | 0.00033 (0.00000, 0.00247) | - (0.0, 0.4)     | 0.0000004 (0.0000000, 0.0000036) | 0.00059 (0.00000, 0.00439) |
| DI Yogyakarta | Chronic kidney disease                                   | 1   | 0.9 (0.3, 2.4)    | 0.0000081 (0.0000023, 0.0000213) | 0.00771 (0.00377, 0.01510) | 0.7 (0.2, 1.7)   | 0.0000062 (0.0000019, 0.0000151) | 0.00896 (0.00427, 0.01663) |
| DI Yogyakarta | Cirrhosis                                                | 1   | 1.1 (0.3, 2.9)    | 0.0000094 (0.0000023, 0.0000250) | 0.0089 (0.00348, 0.01801)  | 0.5 (0.1, 1.4)   | 0.0000049 (0.0000012, 0.0000126) | 0.00703 (0.00274, 0.01486) |
| DI Yogyakarta | Chronic respiratory diseases                             | 1   | 1.8 (0.4, 4.6)    | 0.0000155 (0.0000039, 0.0000400) | 0.01466 (0.00600, 0.02820) | 0.6 (0.2, 1.6)   | 0.0000058 (0.0000015, 0.0000145) | 0.00837 (0.00306, 0.01767) |
| DI Yogyakarta | Other non-communicable diseases                          | 1   | 12.2 (4.3, 26.5)  | 0.0001067 (0.0000381, 0.0002328) | 0.10114 (0.07730, 0.12586) | 11.8 (4.7, 23.4) | 0.0001059 (0.0000421, 0.0002095) | 0.15257 (0.12227, 0.18419) |
| DI Yogyakarta | Drowning                                                 | 1   | 6.2 (1.7, 15.3)   | 0.0000541 (0.0000151, 0.0001346) | 0.0516 (0.02373, 0.08702)  | 1.9 (0.5, 4.6)   | 0.0000174 (0.0000048, 0.0000415) | 0.02518 (0.01001, 0.04568) |
| DI Yogyakarta | Falls                                                    | 1   | 4.4 (1.2, 11.2)   | 0.0000388 (0.0000102, 0.0000978) | 0.03679 (0.01614, 0.07062) | 1.9 (0.5, 4.7)   | 0.0000169 (0.0000042, 0.0000420) | 0.02434 (0.00942, 0.04837) |
| DI Yogyakarta | Interpersonal violence                                   | 1   | 0.3 (0.1, 0.8)    | 0.0000026 (0.0000006, 0.0000072) | 0.00248 (0.00093, 0.00584) | 0.2 (0.1, 0.6)   | 0.0000019 (0.0000005, 0.0000053) | 0.0027 (0.00094, 0.00644)  |
| DI Yogyakarta | Transport injuries                                       | 1   | 10.4 (3.2, 24.2)  | 0.0000913 (0.0000279, 0.0002121) | 0.08649 (0.05067, 0.13523) | 3.3 (1.1, 7.6)   | 0.0000296 (0.0000096, 0.0000682) | 0.0426 (0.02230, 0.07355)  |
| DI Yogyakarta | Other unintentional injuries                             | 1   | 5.6 (1.7, 12.0)   | 0.000049 (0.0000151, 0.0001055)  | 0.04676 (0.02787, 0.07117) | 2.3 (0.8, 4.9)   | 0.0000203 (0.0000068, 0.0000437) | 0.02939 (0.01636, 0.04707) |
| DI Yogyakarta | Diarrheal diseases                                       | 5   | 8.0 (4.8, 12.1)   | 0.0000582 (0.0000352, 0.0000881) | 0.10944 (0.07439, 0.15100) | 7.3 (4.8, 10.4)  | 0.0000572 (0.0000379, 0.0000812) | 0.15057 (0.10613, 0.20048) |
| DI Yogyakarta | HIV/AIDS                                                 | 5   | 0.5 (0.1, 1.5)    | 0.0000033 (0.0000005, 0.0000110) | 0.00619 (0.00100, 0.01947) | 0.3 (0.0, 1.0)   | 0.0000024 (0.0000004, 0.0000076) | 0.0062 (0.00102, 0.01982)  |
| DI Yogyakarta | Lower respiratory infections                             | 5   | 4.3 (2.5, 6.8)    | 0.0000311 (0.0000183, 0.0000493) | 0.05862 (0.03627, 0.08480) | 2.9 (1.7, 4.5)   | 0.0000225 (0.0000134, 0.0000350) | 0.0591 (0.03664, 0.08683)  |
| DI Yogyakarta | Malaria                                                  | 5   | - (0.0, 0.1)      | 0.0000001 (0.0000000, 0.0000004) | 0.00015 (0.00001, 0.00067) | - (0.0, 0.0)     | 0.0000001 (0.0000000, 0.0000003) | 0.00015 (0.00001, 0.00072) |
| DI Yogyakarta | Tuberculosis                                             | 5   | 0.7 (0.3, 1.4)    | 0.0000051 (0.0000022, 0.0000104) | 0.00965 (0.00422, 0.01855) | 0.5 (0.2, 1.0)   | 0.0000039 (0.0000017, 0.0000076) | 0.0101 (0.00454, 0.01903)  |
| DI Yogyakarta | Other communicable diseases                              | 5   | 11.6 (7.9, 17.0)  | 0.0000848 (0.0000572, 0.0001236) | 0.15949 (0.11710, 0.20228) | 7.8 (5.2, 11.1)  | 0.0000611 (0.0000409, 0.0000863) | 0.1607 (0.11301, 0.20736)  |
| DI Yogyakarta | Other malignant neoplasms                                | 5   | 2.9 (1.5, 4.7)    | 0.0000209 (0.0000112, 0.0000339) | 0.0393 (0.02253, 0.06017)  | 2.7 (1.5, 4.2)   | 0.0000211 (0.0000117, 0.0000325) | 0.05543 (0.03182, 0.08348) |
| DI Yogyakarta | Cerebrovascular disease                                  | 5   | 0.4 (0.2, 0.9)    | 0.0000032 (0.0000014, 0.0000063) | 0.00605 (0.00276, 0.01099) | 0.5 (0.3, 0.9)   | 0.0000041 (0.0000020, 0.0000073) | 0.01085 (0.00524, 0.01883) |
| DI Yogyakarta | Ischemic heart disease                                   | 5   | 0.2 (0.1, 0.4)    | 0.0000014 (0.0000005, 0.0000030) | 0.00261 (0.00099, 0.00504) | 0.2 (0.1, 0.4)   | 0.0000017 (0.0000006, 0.0000034) | 0.00439 (0.00160, 0.00875) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 5   | 0.5 (0.2, 1.1)    | 0.0000035 (0.0000013, 0.0000078) | 0.00667 (0.00268, 0.01402) | 0.6 (0.3, 1.2)   | 0.0000046 (0.0000020, 0.0000093) | 0.01213 (0.00535, 0.02435) |
| DI Yogyakarta | Diabetes mellitus                                        | 5   | 0.3 (0.1, 0.6)    | 0.000002 (0.0000007, 0.0000046)  | 0.00372 (0.00139, 0.00839) | 0.3 (0.1, 0.8)   | 0.0000027 (0.0000010, 0.0000062) | 0.00711 (0.00277, 0.01561) |
| DI Yogyakarta | Chronic kidney disease                                   | 5   | 1.1 (0.5, 2.1)    | 0.0000081 (0.0000038, 0.0000150) | 0.01527 (0.00740, 0.02775) | 0.9 (0.4, 1.7)   | 0.0000072 (0.0000035, 0.0000130) | 0.01902 (0.00938, 0.03301) |
| DI Yogyakarta | Cirrhosis                                                | 5   | 1.6 (0.8, 2.8)    | 0.000012 (0.0000057, 0.0000207)  | 0.02256 (0.01108, 0.03946) | 0.9 (0.5, 1.7)   | 0.0000073 (0.0000036, 0.0000130) | 0.01917 (0.00972, 0.03420) |
| DI Yogyakarta | Chronic respiratory diseases                             | 5   | 0.8 (0.4, 1.6)    | 0.0000059 (0.0000026, 0.0000117) | 0.01104 (0.00517, 0.02093) | 0.3 (0.1, 0.7)   | 0.0000025 (0.0000010, 0.0000052) | 0.00664 (0.00297, 0.01320) |
| DI Yogyakarta | Other non-communicable diseases                          | 5   | 6.3 (4.2, 9.3)    | 0.0000461 (0.0000307, 0.0000676) | 0.08681 (0.06246, 0.11485) | 6.8 (4.7, 9.3)   | 0.0000529 (0.0000365, 0.0000730) | 0.13919 (0.10435, 0.17987) |
| DI Yogyakarta | Drowning                                                 | 5   | 10.9 (5.8, 18.1)  | 0.0000795 (0.0000421, 0.0001318) | 0.14948 (0.08226, 0.22531) | 5.0 (2.4, 8.4)   | 0.0000389 (0.0000186, 0.0000656) | 0.1023 (0.05002, 0.16539)  |
| DI Yogyakarta | Falls                                                    | 5   | 3.8 (1.7, 7.5)    | 0.0000279 (0.0000123, 0.0000549) | 0.05266 (0.02438, 0.10308) | 2.3 (1.0, 4.4)   | 0.0000176 (0.0000076, 0.0000342) | 0.04639 (0.02075, 0.09080) |
| DI Yogyakarta | Interpersonal violence                                   | 5   | 0.1 (0.0, 0.3)    | 0.0000009 (0.0000003, 0.0000021) | 0.00161 (0.00057, 0.00384) | 0.1 (0.0, 0.3)   | 0.0000009 (0.0000003, 0.0000021) | 0.00231 (0.00085, 0.00535) |
| DI Yogyakarta | Transport injuries                                       | 5   | 16.3 (10.0, 24.3) | 0.0001186 (0.0000726, 0.0001767) | 0.22339 (0.15092, 0.30141) | 7.7 (4.6, 11.6)  | 0.0000603 (0.0000362, 0.0000908) | 0.15882 (0.10114, 0.22970) |
| DI Yogyakarta | Other unintentional injuries                             | 5   | 2.6 (1.4, 4.5)    | 0.0000188 (0.0000101, 0.0000325) | 0.03531 (0.02017, 0.05694) | 1.4 (0.8, 2.5)   | 0.0000112 (0.0000059, 0.0000195) | 0.02943 (0.01644, 0.04883) |
| DI Yogyakarta | Diarrheal diseases                                       | 10  | 5.0 (3.0, 8.1)    | 0.000036 (0.0000213, 0.0000578)  | 0.06009 (0.03653, 0.09099) | 4.4 (2.7, 6.8)   | 0.0000328 (0.0000199, 0.0000507) | 0.08317 (0.05293, 0.12246) |
| DI Yogyakarta | HIV/AIDS                                                 | 10  | 0.6 (0.1, 1.6)    | 0.0000041 (0.0000009, 0.0000116) | 0.00682 (0.00151, 0.01937) | 0.4 (0.1, 1.0)   | 0.0000028 (0.0000005, 0.0000078) | 0.00715 (0.00142, 0.01991) |
| DI Yogyakarta | Lower respiratory infections                             | 10  | 3.3 (1.9, 5.3)    | 0.0000234 (0.0000133, 0.0000380) | 0.03914 (0.02186, 0.05941) | 2.1 (1.2, 3.4)   | 0.0000156 (0.0000087, 0.0000252) | 0.03942 (0.02209, 0.06109) |
| DI Yogyakarta | Malaria                                                  | 10  | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000009) | 0.00035 (0.00002, 0.00143) | - (0.0, 0.1)     | 0.0000001 (0.0000000, 0.0000006) | 0.00036 (0.00002, 0.00159) |
| DI Yogyakarta | Tuberculosis                                             | 10  | 2.1 (1.1, 3.7)    | 0.0000152 (0.0000077, 0.0000263) | 0.02546 (0.01344, 0.04273) | 1.5 (0.8, 2.5)   | 0.0000111 (0.0000057, 0.0000186) | 0.02818 (0.01500, 0.04609) |
| DI Yogyakarta | Maternal disorders                                       | 10  |                   |                                  |                            | 0.2 (0.0, 0.6)   | 0.0000017 (0.0000003, 0.0000047) | 0.00429 (0.00069, 0.01165) |
| DI Yogyakarta | Other communicable diseases                              | 10  | 10.5 (7.2, 14.3)  | 0.0000747 (0.0000512, 0.0001015) | 0.12478 (0.09036, 0.15934) | 6.4 (4.3, 8.9)   | 0.0000479 (0.0000324, 0.0000662) | 0.12136 (0.08551, 0.16169) |
| DI Yogyakarta | Other malignant neoplasms                                | 10  | 5.1 (3.2, 7.4)    | 0.0000363 (0.0000230, 0.0000525) | 0.06067 (0.04013, 0.08313) | 4.8 (3.0, 6.7)   | 0.0000357 (0.0000227, 0.0000500) | 0.09035 (0.06004, 0.12343) |
| DI Yogyakarta | Cerebrovascular disease                                  | 10  | 0.9 (0.5, 1.4)    | 0.0000061 (0.0000034, 0.0000097) | 0.01018 (0.00582, 0.01626) | 0.9 (0.5, 1.5)   | 0.0000071 (0.0000040, 0.0000113) | 0.01798 (0.01029, 0.02822) |
| DI Yogyakarta | Ischemic heart disease                                   | 10  | 0.6 (0.3, 1.0)    | 0.0000041 (0.0000021, 0.0000070) | 0.00679 (0.00347, 0.01129) | 0.6 (0.3, 1.0)   | 0.0000045 (0.0000023, 0.0000076) | 0.01131 (0.00595, 0.01848) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 10  | 0.9 (0.4, 1.6)    | 0.0000063 (0.0000031, 0.0000113) | 0.01057 (0.00549, 0.01831) | 1.0 (0.5, 1.8)   | 0.0000077 (0.0000040, 0.0000135) | 0.01958 (0.01038, 0.03384) |
| DI Yogyakarta | Diabetes mellitus                                        | 10  | 0.5 (0.2, 0.9)    | 0.0000033 (0.0000017, 0.0000061) | 0.00557 (0.00284, 0.00988) | 0.6 (0.3, 1.1)   | 0.0000043 (0.0000022, 0.0000079) | 0.01098 (0.00558, 0.01907) |
| DI Yogyakarta | Chronic kidney disease                                   | 10  | 1.9 (1.1, 3.0)    | 0.0000138 (0.0000081, 0.0000213) | 0.02304 (0.01388, 0.03459) | 1.6 (0.9, 2.5)   | 0.0000118 (0.0000068, 0.0000187) | 0.02982 (0.01775, 0.04568) |
| DI Yogyakarta | Cirrhosis                                                | 10  | 2.2 (1.3, 3.4)    | 0.0000157 (0.0000090, 0.0000240) | 0.02618 (0.01587, 0.04066) | 1.2 (0.7, 1.9)   | 0.0000088 (0.0000051, 0.0000139) | 0.02225 (0.01310, 0.03502) |
| DI Yogyakarta | Chronic respiratory diseases                             | 10  | 2.0 (1.1, 3.5)    | 0.0000145 (0.0000077, 0.0000246) | 0.02423 (0.01346, 0.03944) | 0.9 (0.4, 1.5)   | 0.0000064 (0.0000033, 0.0000116) | 0.01618 (0.00861, 0.02837) |
| DI Yogyakarta | Other non-communicable diseases                          | 10  | 8.9 (6.6, 11.8)   | 0.0000632 (0.0000471, 0.0000839) | 0.10558 (0.08322, 0.13275) | 8.9 (6.8, 11.7)  | 0.0000664 (0.0000508, 0.0000874) | 0.16817 (0.13488, 0.20843) |
| DI Yogyakarta | Drowning                                                 | 10  | 5.8 (2.7, 9.9)    | 0.0000411 (0.0000193, 0.0000707) | 0.06848 (0.03410, 0.11271) | 2.1 (0.8, 4.0)   | 0.0000153 (0.0000062, 0.0000296) | 0.03875 (0.01563, 0.07227) |
| DI Yogyakarta | Falls                                                    | 10  | 3.6 (1.7, 7.4)    | 0.0000258 (0.0000118, 0.0000526) | 0.04318 (0.02011, 0.08782) | 1.8 (0.7, 3.6)   | 0.0000132 (0.0000056, 0.0000270) | 0.03342 (0.01432, 0.06944) |
| DI Yogyakarta | Interpersonal violence                                   | 10  | 0.2 (0.1, 0.5)    | 0.0000016 (0.0000007, 0.0000033) | 0.0027 (0.00118, 0.00563)  | 0.2 (0.1, 0.4)   | 0.0000015 (0.0000006, 0.0000030) | 0.00371 (0.00154, 0.00763) |
| DI Yogyakarta | Self-harm                                                | 10  | 1.1 (0.4, 2.3)    | 0.0000077 (0.0000029, 0.0000163) | 0.01293 (0.00476, 0.02703) | 0.8 (0.3, 1.7)   | 0.0000061 (0.0000022, 0.0000128) | 0.01541 (0.00586, 0.03169) |
| DI Yogyakarta | Transport injuries                                       | 10  | 25.9 (19.0, 33.8) | 0.0001843 (0.0001356, 0.0002409) | 0.30814 (0.23837, 0.37664) | 11.2 (7.7, 15.2) | 0.0000833 (0.0000572, 0.0001133) | 0.21117 (0.14773, 0.27669) |
| DI Yogyakarta | Other unintentional injuries                             | 10  | 3.0 (1.8, 4.6)    | 0.000021 (0.0000125, 0.0000329)  | 0.03511 (0.02165, 0.05202) | 1.4 (0.8, 2.3)   | 0.0000107 (0.0000061, 0.0000174) | 0.02697 (0.01554, 0.04287) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|---------------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|               |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Diarrheal diseases                            | 15  | 5.7 (3.0, 9.5)     | 0.0000378 (0.0000197, 0.0000623) | 0.02987 (0.01635, 0.04719) | 4.0 (2.2, 6.2)    | 0.0000268 (0.0000149, 0.0000416) | 0.03785 (0.02090, 0.05791) |
| DI Yogyakarta | HIV/AIDS                                      | 15  | 1.0 (0.2, 2.9)     | 0.0000064 (0.0000010, 0.0000193) | 0.00502 (0.00087, 0.01452) | 0.6 (0.1, 1.7)    | 0.0000037 (0.0000006, 0.0000112) | 0.00522 (0.00083, 0.01624) |
| DI Yogyakarta | Lower respiratory infections                  | 15  | 2.4 (1.1, 4.5)     | 0.0000158 (0.0000073, 0.0000297) | 0.01252 (0.00595, 0.02290) | 1.2 (0.6, 2.3)    | 0.0000082 (0.0000038, 0.0000154) | 0.01116 (0.00530, 0.02173) |
| DI Yogyakarta | Malaria                                       | 15  | 0.2 (0.0, 0.9)     | 0.0000013 (0.0000001, 0.0000056) | 0.00101 (0.00007, 0.00428) | 0.1 (0.0, 0.5)    | 0.0000007 (0.0000000, 0.0000032) | 0.00097 (0.00005, 0.00472) |
| DI Yogyakarta | Tuberculosis                                  | 15  | 8.3 (4.6, 13.0)    | 0.0000548 (0.0000304, 0.0000859) | 0.04328 (0.02580, 0.06373) | 4.5 (2.7, 6.9)    | 0.0000298 (0.0000179, 0.0000459) | 0.04207 (0.02590, 0.06339) |
| DI Yogyakarta | Maternal disorders                            | 15  |                    |                                  |                            | 1.3 (0.6, 2.4)    | 0.0000084 (0.0000039, 0.0000158) | 0.01193 (0.00541, 0.02276) |
| DI Yogyakarta | Other communicable diseases                   | 15  | 13.0 (8.3, 19.2)   | 0.0000859 (0.0000548, 0.0001267) | 0.06785 (0.04624, 0.09142) | 6.3 (4.0, 9.1)    | 0.0000419 (0.0000264, 0.0000609) | 0.05928 (0.03766, 0.08456) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 15  | 3.1 (1.1, 6.2)     | 0.0000203 (0.0000073, 0.0000407) | 0.01606 (0.00581, 0.03200) | 1.0 (0.3, 2.3)    | 0.0000066 (0.0000018, 0.0000155) | 0.00931 (0.00261, 0.02169) |
| DI Yogyakarta | Breast cancer                                 | 15  | - (0.0, 0.2)       | 0.0000003 (0.0000000, 0.0000011) | 0.00024 (0.00003, 0.00088) | 1.1 (0.3, 2.7)    | 0.0000071 (0.0000018, 0.0000179) | 0.01002 (0.00266, 0.02522) |
| DI Yogyakarta | Cervical cancer                               | 15  |                    |                                  |                            | 0.6 (0.1, 1.5)    | 0.0000037 (0.0000007, 0.0000097) | 0.00525 (0.00099, 0.01356) |
| DI Yogyakarta | Other malignant neoplasms                     | 15  | 12.2 (7.7, 18.0)   | 0.0000801 (0.0000505, 0.0001184) | 0.06318 (0.04366, 0.08647) | 11.1 (7.6, 15.6)  | 0.0000745 (0.0000507, 0.0001043) | 0.10528 (0.07240, 0.14535) |
| DI Yogyakarta | Cerebrovascular disease                       | 15  | 2.8 (1.5, 4.6)     | 0.0000183 (0.0000101, 0.0000301) | 0.01448 (0.00852, 0.02286) | 2.3 (1.3, 3.8)    | 0.0000157 (0.0000088, 0.0000253) | 0.02219 (0.01242, 0.03540) |
| DI Yogyakarta | Ischemic heart disease                        | 15  | 3.6 (2.0, 5.9)     | 0.0000238 (0.0000132, 0.0000385) | 0.01882 (0.01101, 0.02920) | 2.4 (1.4, 3.9)    | 0.0000164 (0.0000092, 0.0000264) | 0.02312 (0.01321, 0.03693) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 15  | 2.8 (1.4, 4.9)     | 0.0000182 (0.0000091, 0.0000324) | 0.01438 (0.00738, 0.02556) | 2.7 (1.3, 5.0)    | 0.0000118 (0.0000084, 0.0000334) | 0.02546 (0.01168, 0.04803) |
| DI Yogyakarta | Diabetes mellitus                             | 15  | 1.5 (0.7, 2.6)     | 0.0000096 (0.0000046, 0.0000173) | 0.00758 (0.00386, 0.01351) | 1.5 (0.8, 2.8)    | 0.0000103 (0.0000050, 0.0000189) | 0.01461 (0.00726, 0.02606) |
| DI Yogyakarta | Chronic kidney disease                        | 15  | 6.0 (3.2, 9.5)     | 0.0000394 (0.0000213, 0.0000626) | 0.03106 (0.01871, 0.04696) | 4.2 (2.3, 6.9)    | 0.0000278 (0.0000156, 0.0000459) | 0.03926 (0.02218, 0.06402) |
| DI Yogyakarta | Cirrhosis                                     | 15  | 4.4 (2.5, 7.4)     | 0.0000289 (0.0000164, 0.0000487) | 0.02282 (0.01369, 0.03627) | 2.0 (1.1, 3.5)    | 0.0000135 (0.0000072, 0.0000235) | 0.01914 (0.01064, 0.03247) |
| DI Yogyakarta | Chronic respiratory diseases                  | 15  | 3.3 (1.6, 5.5)     | 0.0000215 (0.0000108, 0.0000365) | 0.01697 (0.00932, 0.02718) | 1.5 (0.7, 2.7)    | 0.0000099 (0.0000047, 0.0000178) | 0.014 (0.00671, 0.02444)   |
| DI Yogyakarta | Other non-communicable diseases               | 15  | 19.6 (14.1, 25.9)  | 0.0001291 (0.0000928, 0.0001704) | 0.10208 (0.08028, 0.12628) | 15.6 (11.6, 19.9) | 0.0001039 (0.0000776, 0.0001331) | 0.1469 (0.11218, 0.18630)  |
| DI Yogyakarta | Drowning                                      | 15  | 2.6 (1.0, 5.4)     | 0.0000171 (0.0000068, 0.0000359) | 0.01347 (0.00559, 0.02748) | 0.8 (0.3, 1.8)    | 0.0000005 (0.0000017, 0.0000118) | 0.00708 (0.00243, 0.01613) |
| DI Yogyakarta | Falls                                         | 15  | 3.5 (1.5, 7.3)     | 0.0000232 (0.0000096, 0.0000479) | 0.01837 (0.00793, 0.03680) | 1.4 (0.5, 3.1)    | 0.0000095 (0.0000035, 0.0000209) | 0.01338 (0.00510, 0.02939) |
| DI Yogyakarta | Interpersonal violence                        | 15  | 1.0 (0.4, 2.1)     | 0.0000067 (0.0000026, 0.0000140) | 0.00526 (0.00217, 0.01047) | 0.7 (0.3, 1.6)    | 0.0000048 (0.0000017, 0.0000106) | 0.00677 (0.00238, 0.01464) |
| DI Yogyakarta | Self-harm                                     | 15  | 4.5 (1.9, 8.8)     | 0.0000294 (0.0000126, 0.0000577) | 0.02318 (0.01048, 0.04420) | 2.7 (1.0, 5.7)    | 0.0000183 (0.0000070, 0.0000382) | 0.0258 (0.00981, 0.05418)  |
| DI Yogyakarta | Transport injuries                            | 15  | 84.6 (63.2, 106.7) | 0.0005574 (0.0004161, 0.0007028) | 0.43984 (0.38616, 0.49015) | 33.9 (26.4, 41.8) | 0.0002264 (0.0001766, 0.0002791) | 0.32011 (0.25384, 0.38478) |
| DI Yogyakarta | Other unintentional injuries                  | 15  | 6.3 (3.7, 10.2)    | 0.0000414 (0.0000241, 0.0000669) | 0.03263 (0.02061, 0.04880) | 2.5 (1.3, 4.2)    | 0.0000165 (0.0000087, 0.0000279) | 0.02338 (0.01237, 0.03912) |
| DI Yogyakarta | Diarrheal diseases                            | 20  | 7.1 (3.7, 12.4)    | 0.0000439 (0.0000228, 0.0000761) | 0.02636 (0.01447, 0.04342) | 4.9 (2.7, 8.0)    | 0.0000316 (0.0000172, 0.0000517) | 0.03633 (0.02044, 0.05816) |
| DI Yogyakarta | HIV/AIDS                                      | 20  | 4.3 (1.0, 11.6)    | 0.0000261 (0.0000061, 0.0000714) | 0.01571 (0.00371, 0.04109) | 2.2 (0.5, 6.0)    | 0.000014 (0.0000030, 0.0000385)  | 0.01617 (0.00356, 0.04252) |
| DI Yogyakarta | Lower respiratory infections                  | 20  | 2.9 (1.3, 5.5)     | 0.0000179 (0.0000079, 0.0000337) | 0.01076 (0.00499, 0.01928) | 1.2 (0.5, 2.2)    | 0.0000076 (0.0000034, 0.0000144) | 0.0088 (0.00392, 0.01653)  |
| DI Yogyakarta | Malaria                                       | 20  | 0.3 (0.0, 1.5)     | 0.0000021 (0.0000001, 0.0000093) | 0.00126 (0.00008, 0.00537) | 0.2 (0.0, 0.9)    | 0.0000012 (0.0000001, 0.0000059) | 0.00136 (0.00007, 0.00650) |
| DI Yogyakarta | Tuberculosis                                  | 20  | 23.9 (14.8, 35.8)  | 0.0001468 (0.0000908, 0.0002200) | 0.08821 (0.05952, 0.12135) | 10.2 (6.2, 15.1)  | 0.0000656 (0.0000396, 0.0000974) | 0.07554 (0.04806, 0.10890) |
| DI Yogyakarta | Maternal disorders                            | 20  |                    |                                  |                            | 1.6 (0.7, 2.9)    | 0.00001 (0.0000047, 0.0000188)   | 0.01152 (0.00530, 0.02150) |
| DI Yogyakarta | Other communicable diseases                   | 20  | 20.2 (13.0, 29.3)  | 0.0001243 (0.0000796, 0.0001804) | 0.0747 (0.05259, 0.10113)  | 9.4 (6.1, 13.8)   | 0.0000608 (0.0000396, 0.0000891) | 0.07002 (0.04742, 0.09752) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 20  | 3.8 (1.2, 8.9)     | 0.0000236 (0.0000073, 0.0000547) | 0.01422 (0.00445, 0.03303) | 1.9 (0.5, 4.7)    | 0.0000122 (0.0000032, 0.0000306) | 0.014 (0.00367, 0.03429)   |
| DI Yogyakarta | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)     | 0.0000006 (0.0000001, 0.0000020) | 0.00038 (0.00007, 0.00121) | 4.5 (1.8, 8.5)    | 0.0000287 (0.0000115, 0.0000549) | 0.03299 (0.01330, 0.06262) |
| DI Yogyakarta | Cervical cancer                               | 20  |                    |                                  |                            | 1.4 (0.3, 3.5)    | 0.000009 (0.0000021, 0.0000227)  | 0.01033 (0.00243, 0.02674) |
| DI Yogyakarta | Other malignant neoplasms                     | 20  | 15.5 (9.1, 23.7)   | 0.0000953 (0.0000559, 0.0001459) | 0.05713 (0.03788, 0.07925) | 16.0 (10.6, 22.4) | 0.0001031 (0.0000680, 0.0001446) | 0.11882 (0.07957, 0.16453) |
| DI Yogyakarta | Cerebrovascular disease                       | 20  | 6.8 (4.3, 10.4)    | 0.0000042 (0.0000263, 0.0000636) | 0.02526 (0.01740, 0.03576) | 4.3 (2.8, 6.6)    | 0.000028 (0.0000183, 0.0000424)  | 0.03229 (0.02166, 0.04665) |
| DI Yogyakarta | Ischemic heart disease                        | 20  | 8.9 (5.3, 13.8)    | 0.0000549 (0.0000325, 0.0000848) | 0.03302 (0.02116, 0.04734) | 3.7 (2.1, 5.7)    | 0.0000236 (0.0000137, 0.0000370) | 0.02719 (0.01622, 0.04191) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 20  | 5.6 (3.2, 9.3)     | 0.0000346 (0.0000199, 0.0000571) | 0.02083 (0.01269, 0.03259) | 4.8 (2.8, 7.7)    | 0.0000308 (0.0000178, 0.0000499) | 0.03551 (0.02095, 0.05570) |
| DI Yogyakarta | Diabetes mellitus                             | 20  | 1.9 (0.9, 3.2)     | 0.0000115 (0.0000058, 0.0000197) | 0.0069 (0.00371, 0.01102)  | 1.8 (0.9, 3.1)    | 0.0000114 (0.0000057, 0.0000198) | 0.01313 (0.00682, 0.02193) |
| DI Yogyakarta | Chronic kidney disease                        | 20  | 12.4 (7.5, 18.4)   | 0.0000765 (0.0000464, 0.0001134) | 0.04596 (0.03070, 0.06427) | 7.8 (4.6, 12.2)   | 0.0000501 (0.0000298, 0.0000784) | 0.05768 (0.03528, 0.08628) |
| DI Yogyakarta | Cirrhosis                                     | 20  | 8.8 (4.9, 13.6)    | 0.000054 (0.0000302, 0.0000838)  | 0.03245 (0.01937, 0.04861) | 3.6 (2.0, 5.8)    | 0.0000229 (0.0000130, 0.0000374) | 0.0264 (0.01472, 0.04269)  |
| DI Yogyakarta | Chronic respiratory diseases                  | 20  | 9.5 (5.3, 15.1)    | 0.0000582 (0.0000328, 0.0000930) | 0.03498 (0.02100, 0.05386) | 4.5 (2.4, 7.5)    | 0.000029 (0.0000155, 0.0000482)  | 0.03343 (0.01816, 0.05429) |
| DI Yogyakarta | Other non-communicable diseases               | 20  | 25.0 (17.2, 33.7)  | 0.0001535 (0.0001056, 0.0002074) | 0.09226 (0.07033, 0.11547) | 16.2 (11.6, 21.7) | 0.0001041 (0.0000747, 0.0001400) | 0.11996 (0.08933, 0.15334) |
| DI Yogyakarta | Drowning                                      | 20  | 2.1 (0.7, 4.6)     | 0.0000129 (0.0000045, 0.0000280) | 0.00773 (0.00295, 0.01734) | 0.5 (0.1, 1.2)    | 0.0000029 (0.0000008, 0.0000074) | 0.0034 (0.00096, 0.00858)  |
| DI Yogyakarta | Falls                                         | 20  | 4.1 (1.6, 8.5)     | 0.0000251 (0.0000099, 0.0000521) | 0.01515 (0.00634, 0.03055) | 1.3 (0.4, 2.9)    | 0.0000082 (0.0000028, 0.0000187) | 0.00943 (0.00332, 0.02154) |
| DI Yogyakarta | Interpersonal violence                        | 20  | 1.7 (0.6, 3.7)     | 0.0000104 (0.0000038, 0.0000225) | 0.00625 (0.00243, 0.01320) | 1.0 (0.3, 2.3)    | 0.0000064 (0.0000020, 0.0000149) | 0.00737 (0.00231, 0.01664) |
| DI Yogyakarta | Self-harm                                     | 20  | 6.5 (2.6, 12.9)    | 0.0000403 (0.0000158, 0.0000791) | 0.02416 (0.01029, 0.04735) | 3.3 (1.2, 7.3)    | 0.0000215 (0.0000078, 0.0000470) | 0.02473 (0.00921, 0.05309) |
| DI Yogyakarta | Transport injuries                            | 20  | 90.2 (64.6, 120.7) | 0.0005546 (0.0003974, 0.0007421) | 0.33303 (0.27918, 0.38832) | 25.9 (18.5, 34.5) | 0.000167 (0.0001194, 0.0002225)  | 0.19252 (0.14169, 0.24945) |
| DI Yogyakarta | Other unintentional injuries                  | 20  | 9.0 (5.1, 15.1)    | 0.0000555 (0.0000311, 0.0000929) | 0.03328 (0.01989, 0.05024) | 2.8 (1.4, 4.8)    | 0.0000183 (0.0000090, 0.0000310) | 0.02109 (0.01047, 0.03657) |
| DI Yogyakarta | Diarrheal diseases                            | 25  | 9.4 (5.3, 15.8)    | 0.0000622 (0.0000348, 0.0001041) | 0.03315 (0.01923, 0.05339) | 6.9 (3.8, 11.0)   | 0.0000469 (0.0000259, 0.0000752) | 0.04295 (0.02551, 0.06460) |
| DI Yogyakarta | HIV/AIDS                                      | 25  | 7.3 (1.7, 17.7)    | 0.000048 (0.0000113, 0.0001168)  | 0.02555 (0.00640, 0.05926) | 4.0 (1.0, 9.4)    | 0.000027 (0.0000068, 0.0000638)  | 0.02485 (0.00608, 0.05966) |
| DI Yogyakarta | Lower respiratory infections                  | 25  | 2.9 (1.3, 5.4)     | 0.0000189 (0.0000084, 0.0000353) | 0.0101 (0.00458, 0.01841)  | 1.3 (0.5, 2.5)    | 0.0000087 (0.0000037, 0.0000167) | 0.00797 (0.00363, 0.01511) |
| DI Yogyakarta | Malaria                                       | 25  | 0.3 (0.0, 1.4)     | 0.0000021 (0.0000001, 0.0000090) | 0.00115 (0.00006, 0.00472) | 0.2 (0.0, 0.8)    | 0.0000012 (0.0000001, 0.0000056) | 0.00109 (0.00005, 0.00491) |
| DI Yogyakarta | Tuberculosis                                  | 25  | 29.9 (18.3, 43.6)  | 0.0001971 (0.0001209, 0.0002873) | 0.10496 (0.06902, 0.14231) | 12.9 (7.3, 20.3)  | 0.0000882 (0.0000497, 0.0001386) | 0.08065 (0.04676, 0.11522) |
| DI Yogyakarta | Maternal disorders                            | 25  |                    |                                  |                            | 3.1 (1.5, 5.7)    | 0.0000209 (0.0000102, 0.0000386) | 0.0192 (0.01002, 0.03484)  |
| DI Yogyakarta | Other communicable diseases                   | 25  | 20.2 (13.1, 29.4)  | 0.0001334 (0.0000863, 0.0001934) | 0.07111 (0.04756, 0.09624) | 10.2 (5.9, 15.2)  | 0.0000698 (0.0000403, 0.0001038) | 0.06388 (0.04007, 0.08982) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 25  | 5.3 (1.6, 11.8)    | 0.0000349 (0.0000104, 0.0000775) | 0.01862 (0.00569, 0.04030) | 2.5 (0.7, 6.1)    | 0.0000173 (0.0000049, 0.0000414) | 0.01581 (0.00492, 0.03651) |
| DI Yogyakarta | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)     | 0.0000007 (0.0000002, 0.0000020) | 0.00037 (0.00009, 0.00101) | 8.9 (4.5, 15.1)   | 0.0000605 (0.0000309, 0.0001031) | 0.05532 (0.02941, 0.08870) |
| DI Yogyakarta | Cervical cancer                               | 25  |                    |                                  |                            | 2.8 (0.8, 6.4)    | 0.0000193 (0.0000054, 0.0000435) | 0.01764 (0.00513, 0.04009) |
| DI Yogyakarta | Other malignant neoplasms                     | 25  | 19.4 (12.6, 27.8)  | 0.0001277 (0.0000831, 0.0001833) | 0.06794 (0.04795, 0.09109) | 18.3 (11.3, 26.5) | 0.0001246 (0.0000773, 0.0001804) | 0.11428 (0.07422, 0.15805) |
| DI Yogyakarta | Cerebrovascular disease                       | 25  | 11.7 (8.2, 16.2)   | 0.000077 (0.0000541, 0.0001069)  | 0.04107 (0.03097, 0.05364) | 7.8 (5.3, 11.3)   | 0.0000532 (0.0000360, 0.0000768) | 0.04873 (0.03556, 0.06485) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males             |                                  |                              | Females           |                                  |                            |
|---------------|-----------------------------------------------|-----|-------------------|----------------------------------|------------------------------|-------------------|----------------------------------|----------------------------|
|               |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Ischemic heart disease                        | 25  | 15.9 (10.4, 23.1) | 0.0001046 (0.0000687, 0.0001521) | 0.05576 (0.03874, 0.07524)   | 6.4 (3.9, 9.8)    | 0.0000436 (0.0000266, 0.0000670) | 0.03997 (0.02624, 0.05726) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 25  | 7.1 (4.4, 11.0)   | 0.0000466 (0.0000293, 0.0000725) | 0.02488 (0.01632, 0.03732)   | 6.4 (3.7, 10.1)   | 0.0000434 (0.0000253, 0.0000689) | 0.03978 (0.02516, 0.05985) |
| DI Yogyakarta | Diabetes mellitus                             | 25  | 2.9 (1.8, 4.6)    | 0.0000194 (0.0000115, 0.0000302) | 0.01032 (0.00639, 0.01508)   | 2.9 (1.6, 4.5)    | 0.0000195 (0.0000110, 0.0000310) | 0.01784 (0.01078, 0.02701) |
| DI Yogyakarta | Chronic kidney disease                        | 25  | 13.1 (8.4, 19.2)  | 0.0000863 (0.0000555, 0.0001262) | 0.04598 (0.03189, 0.06368)   | 8.3 (5.0, 13.1)   | 0.0000567 (0.0000342, 0.0000893) | 0.05186 (0.03403, 0.07503) |
| DI Yogyakarta | Cirrhosis                                     | 25  | 11.6 (7.1, 17.7)  | 0.0000764 (0.0000466, 0.0001165) | 0.04071 (0.02636, 0.05877)   | 5.0 (2.8, 8.0)    | 0.0000341 (0.0000193, 0.0000546) | 0.0312 (0.01894, 0.04839)  |
| DI Yogyakarta | Chronic respiratory diseases                  | 25  | 10.6 (6.1, 16.7)  | 0.0000698 (0.0000405, 0.0001100) | 0.03722 (0.02254, 0.05627)   | 5.5 (3.0, 9.2)    | 0.0000375 (0.0000202, 0.0000628) | 0.03432 (0.01956, 0.05403) |
| DI Yogyakarta | Other non-communicable diseases               | 25  | 27.7 (19.7, 36.6) | 0.0001827 (0.0001300, 0.0002415) | 0.09739 (0.07637, 0.11938)   | 19.0 (13.3, 25.6) | 0.0001295 (0.0000909, 0.0001748) | 0.11867 (0.09183, 0.14697) |
| DI Yogyakarta | Drowning                                      | 25  | 1.4 (0.5, 3.2)    | 0.0000093 (0.0000034, 0.0000211) | 0.00492 (0.00184, 0.01078)   | 0.3 (0.1, 0.8)    | 0.0000024 (0.0000007, 0.0000057) | 0.00218 (0.00071, 0.00515) |
| DI Yogyakarta | Falls                                         | 25  | 5.9 (2.5, 11.7)   | 0.0000387 (0.0000163, 0.0000769) | 0.02069 (0.00936, 0.04077)   | 2.0 (0.8, 4.4)    | 0.0000138 (0.0000051, 0.0000301) | 0.01269 (0.00484, 0.02725) |
| DI Yogyakarta | Interpersonal violence                        | 25  | 1.6 (0.6, 3.5)    | 0.0000107 (0.0000039, 0.0000228) | 0.0057 (0.00218, 0.01192)    | 1.0 (0.3, 2.2)    | 0.0000065 (0.0000021, 0.0000150) | 0.00593 (0.00196, 0.01283) |
| DI Yogyakarta | Self-harm                                     | 25  | 5.8 (2.4, 11.3)   | 0.0000381 (0.0000157, 0.0000744) | 0.02027 (0.00886, 0.03940)   | 2.9 (1.1, 6.0)    | 0.0000197 (0.0000072, 0.0000412) | 0.01802 (0.00702, 0.03704) |
| DI Yogyakarta | Transport injuries                            | 25  | 64.2 (45.2, 87.8) | 0.0004229 (0.0002978, 0.0005785) | 0.22517 (0.17239, 0.28060)   | 18.1 (11.1, 27.0) | 0.0001236 (0.0000759, 0.0001840) | 0.11334 (0.07432, 0.15797) |
| DI Yogyakarta | Other unintentional injuries                  | 25  | 10.5 (6.1, 16.8)  | 0.0000695 (0.0000401, 0.0001110) | 0.03698 (0.02223, 0.05576)   | 3.5 (1.7, 6.0)    | 0.0000238 (0.0000117, 0.0000410) | 0.0218 (0.01151, 0.03522)  |
| DI Yogyakarta | Diarrheal diseases                            | 30  | 10.3 (5.9, 16.8)  | 0.0000726 (0.0000414, 0.0001183) | 0.03511 (0.02021, 0.05579)   | 7.1 (3.8, 11.6)   | 0.0000509 (0.0000274, 0.0000828) | 0.03595 (0.02157, 0.05473) |
| DI Yogyakarta | HIV/AIDS                                      | 30  | 6.6 (1.7, 15.3)   | 0.0000465 (0.0000117, 0.0001082) | 0.02245 (0.00567, 0.05262)   | 4.0 (1.0, 9.2)    | 0.0000289 (0.0000073, 0.0000656) | 0.02058 (0.00528, 0.04793) |
| DI Yogyakarta | Lower respiratory infections                  | 30  | 2.4 (1.1, 4.5)    | 0.000017 (0.0000076, 0.0000315)  | 0.00825 (0.00389, 0.01488)   | 1.2 (0.5, 2.3)    | 0.0000087 (0.0000037, 0.0000168) | 0.00615 (0.00274, 0.01151) |
| DI Yogyakarta | Malaria                                       | 30  | 0.3 (0.0, 1.2)    | 0.0000018 (0.0000001, 0.0000085) | 0.00088 (0.00005, 0.00377)   | 0.1 (0.0, 0.6)    | 0.0000009 (0.0000000, 0.0000042) | 0.00066 (0.00003, 0.00286) |
| DI Yogyakarta | Tuberculosis                                  | 30  | 26.1 (15.7, 38.3) | 0.0001839 (0.0001108, 0.0002704) | 0.08886 (0.05618, 0.12398)   | 12.6 (6.8, 19.7)  | 0.00009 (0.0000488, 0.0001407)   | 0.06355 (0.03566, 0.09333) |
| DI Yogyakarta | Maternal disorders                            | 30  |                   |                                  |                              | 6.8 (3.4, 12.0)   | 0.0000488 (0.0000247, 0.0000858) | 0.03456 (0.01893, 0.05719) |
| DI Yogyakarta | Other communicable diseases                   | 30  | 14.0 (8.3, 21.5)  | 0.0000991 (0.0000587, 0.0001517) | 0.04793 (0.02979, 0.06974)   | 6.7 (3.6, 10.8)   | 0.0000482 (0.0000260, 0.0000774) | 0.03411 (0.02046, 0.05053) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 30  | 11.5 (4.1, 22.4)  | 0.0000809 (0.0000289, 0.0001578) | 0.03909 (0.01418, 0.07586)   | 3.1 (0.9, 7.2)    | 0.0000225 (0.0000068, 0.0000518) | 0.01591 (0.00522, 0.03533) |
| DI Yogyakarta | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)    | 0.0000009 (0.0000002, 0.0000026) | 0.00043 (0.000010, 0.000130) | 15.4 (8.3, 25.3)  | 0.0001101 (0.0000596, 0.0001809) | 0.07775 (0.04512, 0.11700) |
| DI Yogyakarta | Cervical cancer                               | 30  |                   |                                  |                              | 5.5 (1.6, 11.8)   | 0.0000395 (0.0000115, 0.0000842) | 0.02788 (0.00847, 0.05937) |
| DI Yogyakarta | Other malignant neoplasms                     | 30  | 23.2 (15.6, 33.0) | 0.0001636 (0.0001100, 0.0002332) | 0.07903 (0.05649, 0.10521)   | 21.1 (12.5, 31.7) | 0.0001512 (0.0000895, 0.0002268) | 0.10711 (0.06942, 0.15080) |
| DI Yogyakarta | Cerebrovascular disease                       | 30  | 18.0 (13.1, 25.0) | 0.0001272 (0.0000927, 0.0001768) | 0.06156 (0.04742, 0.07869)   | 14.2 (9.5, 20.2)  | 0.0001013 (0.0000679, 0.0001447) | 0.07169 (0.05450, 0.09230) |
| DI Yogyakarta | Ischemic heart disease                        | 30  | 22.5 (15.3, 32.4) | 0.0001586 (0.0001081, 0.0002284) | 0.07672 (0.05567, 0.09984)   | 10.6 (6.4, 16.1)  | 0.0000756 (0.0000457, 0.0001151) | 0.05345 (0.03655, 0.07301) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 30  | 8.3 (5.4, 13.0)   | 0.0000585 (0.0000382, 0.0000916) | 0.0283 (0.01903, 0.04170)    | 8.8 (5.2, 13.7)   | 0.0000633 (0.0000373, 0.0000983) | 0.04478 (0.02921, 0.06583) |
| DI Yogyakarta | Diabetes mellitus                             | 30  | 4.6 (2.9, 6.8)    | 0.0000323 (0.0000207, 0.0000480) | 0.01563 (0.01035, 0.02206)   | 5.1 (3.1, 8.1)    | 0.0000369 (0.0000221, 0.0000577) | 0.02608 (0.01657, 0.03745) |
| DI Yogyakarta | Chronic kidney disease                        | 30  | 13.4 (8.9, 19.7)  | 0.0000947 (0.0000627, 0.0001394) | 0.04577 (0.03305, 0.06312)   | 9.9 (5.9, 15.4)   | 0.0000706 (0.0000424, 0.0001103) | 0.04992 (0.03343, 0.07101) |
| DI Yogyakarta | Cirrhosis                                     | 30  | 14.5 (9.0, 21.7)  | 0.0001024 (0.0000635, 0.0001528) | 0.04956 (0.03265, 0.07063)   | 7.3 (4.1, 11.7)   | 0.0000524 (0.0000296, 0.0000835) | 0.03708 (0.02331, 0.05560) |
| DI Yogyakarta | Chronic respiratory diseases                  | 30  | 8.9 (4.9, 14.2)   | 0.0000625 (0.0000346, 0.0001000) | 0.03026 (0.01757, 0.04707)   | 6.2 (3.3, 10.1)   | 0.0000445 (0.0000238, 0.0000726) | 0.03143 (0.01807, 0.04895) |
| DI Yogyakarta | Other non-communicable diseases               | 30  | 27.9 (20.4, 38.2) | 0.0001972 (0.0001437, 0.0002693) | 0.09536 (0.07574, 0.11922)   | 22.7 (15.4, 31.5) | 0.0001624 (0.0001099, 0.0002253) | 0.11489 (0.09060, 0.14323) |
| DI Yogyakarta | Drowning                                      | 30  | 1.7 (0.6, 3.8)    | 0.0000117 (0.0000042, 0.0000271) | 0.00563 (0.00218, 0.01248)   | 0.5 (0.2, 1.2)    | 0.0000035 (0.0000011, 0.0000086) | 0.00249 (0.00079, 0.00593) |
| DI Yogyakarta | Falls                                         | 30  | 7.2 (3.2, 14.4)   | 0.0000506 (0.0000227, 0.0001015) | 0.02451 (0.01122, 0.04694)   | 2.9 (1.1, 6.5)    | 0.000021 (0.0000080, 0.0000465)  | 0.01482 (0.00614, 0.03094) |
| DI Yogyakarta | Interpersonal violence                        | 30  | 1.2 (0.4, 2.6)    | 0.0000087 (0.0000031, 0.0000184) | 0.0042 (0.00162, 0.00873)    | 0.8 (0.3, 1.9)    | 0.000006 (0.0000020, 0.0000137)  | 0.00424 (0.00143, 0.00948) |
| DI Yogyakarta | Self-harm                                     | 30  | 4.3 (1.8, 8.7)    | 0.0000302 (0.0000127, 0.0000615) | 0.01462 (0.00641, 0.02862)   | 2.5 (0.9, 5.4)    | 0.0000178 (0.0000064, 0.0000383) | 0.01259 (0.00515, 0.02676) |
| DI Yogyakarta | Transport injuries                            | 30  | 56.6 (39.1, 77.8) | 0.0003992 (0.0002759, 0.0005492) | 0.19297 (0.14607, 0.24381)   | 18.4 (11.0, 27.9) | 0.0001319 (0.0000788, 0.0001998) | 0.09339 (0.06198, 0.12955) |
| DI Yogyakarta | Other unintentional injuries                  | 30  | 9.6 (5.7, 15.3)   | 0.0000681 (0.0000403, 0.0001078) | 0.03288 (0.02011, 0.04997)   | 3.7 (1.9, 6.4)    | 0.0000267 (0.0000134, 0.0000459) | 0.01892 (0.01019, 0.03184) |
| DI Yogyakarta | Diarrheal diseases                            | 35  | 9.1 (5.1, 15.4)   | 0.0000672 (0.0000378, 0.0001138) | 0.02528 (0.01507, 0.04159)   | 8.8 (4.8, 14.9)   | 0.000064 (0.0000348, 0.0001087)  | 0.03 (0.01810, 0.04712)    |
| DI Yogyakarta | HIV/AIDS                                      | 35  | 6.6 (1.6, 15.8)   | 0.0000491 (0.0000119, 0.0001171) | 0.01844 (0.00479, 0.04292)   | 4.6 (1.1, 10.7)   | 0.0000335 (0.0000082, 0.0000783) | 0.0158 (0.00408, 0.03773)  |
| DI Yogyakarta | Lower respiratory infections                  | 35  | 2.9 (1.3, 5.3)    | 0.0000212 (0.0000099, 0.0000392) | 0.00798 (0.00383, 0.01432)   | 1.8 (0.8, 3.5)    | 0.0000132 (0.0000057, 0.0000253) | 0.00622 (0.00292, 0.01154) |
| DI Yogyakarta | Malaria                                       | 35  | 0.2 (0.0, 1.0)    | 0.0000016 (0.0000001, 0.0000075) | 0.00062 (0.00004, 0.00276)   | 0.1 (0.0, 0.6)    | 0.000001 (0.0000001, 0.0000042)  | 0.00046 (0.00003, 0.00198) |
| DI Yogyakarta | Tuberculosis                                  | 35  | 29.5 (18.4, 42.3) | 0.0002186 (0.0001360, 0.0003129) | 0.08208 (0.05456, 0.11053)   | 15.8 (9.0, 24.4)  | 0.0001156 (0.0000658, 0.0001785) | 0.05415 (0.03258, 0.07783) |
| DI Yogyakarta | Maternal disorders                            | 35  |                   |                                  |                              | 8.3 (4.4, 14.0)   | 0.0000603 (0.0000322, 0.0001019) | 0.02833 (0.01649, 0.04628) |
| DI Yogyakarta | Other communicable diseases                   | 35  | 12.6 (7.6, 19.3)  | 0.0000935 (0.0000563, 0.0001427) | 0.03516 (0.02183, 0.05126)   | 8.8 (4.9, 14.3)   | 0.0000643 (0.0000360, 0.0001041) | 0.0301 (0.01815, 0.04460)  |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 35  | 6.3 (2.1, 14.0)   | 0.0000464 (0.0000153, 0.0001040) | 0.01745 (0.00583, 0.03915)   | 4.8 (1.7, 10.4)   | 0.0000347 (0.0000122, 0.0000756) | 0.01626 (0.00608, 0.03461) |
| DI Yogyakarta | Breast cancer                                 | 35  | 0.4 (0.1, 0.9)    | 0.0000027 (0.0000008, 0.0000069) | 0.001 (0.00030, 0.00244)     | 25.3 (13.9, 40.7) | 0.000185 (0.0001013, 0.0002972)  | 0.08662 (0.05095, 0.12801) |
| DI Yogyakarta | Cervical cancer                               | 35  |                   |                                  |                              | 12.4 (4.3, 23.8)  | 0.0000907 (0.0000310, 0.0001738) | 0.04247 (0.01561, 0.07768) |
| DI Yogyakarta | Other malignant neoplasms                     | 35  | 40.3 (27.5, 56.3) | 0.0002983 (0.0002039, 0.0004166) | 0.11197 (0.08305, 0.14437)   | 27.3 (15.7, 42.6) | 0.000199 (0.0001148, 0.0003108)  | 0.09341 (0.05808, 0.13561) |
| DI Yogyakarta | Cerebrovascular disease                       | 35  | 31.7 (23.9, 42.6) | 0.0002345 (0.0001770, 0.0003154) | 0.08818 (0.07122, 0.10982)   | 29.3 (20.2, 40.6) | 0.0002139 (0.0001476, 0.0002964) | 0.10034 (0.08027, 0.12484) |
| DI Yogyakarta | Ischemic heart disease                        | 35  | 32.5 (22.7, 46.1) | 0.0002406 (0.0001683, 0.0003410) | 0.09045 (0.06661, 0.11500)   | 18.9 (12.1, 28.3) | 0.0001382 (0.0000885, 0.0002063) | 0.06477 (0.04544, 0.08562) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 35  | 12.4 (8.1, 18.9)  | 0.0000915 (0.0000598, 0.0001397) | 0.03441 (0.02367, 0.04926)   | 14.1 (8.5, 22.0)  | 0.0001027 (0.0000617, 0.0001603) | 0.0482 (0.03216, 0.06968)  |
| DI Yogyakarta | Diabetes mellitus                             | 35  | 9.5 (6.2, 13.7)   | 0.0000702 (0.0000456, 0.0001016) | 0.02637 (0.01782, 0.03570)   | 11.4 (7.0, 17.2)  | 0.0000831 (0.0000514, 0.0001257) | 0.03895 (0.02561, 0.05357) |
| DI Yogyakarta | Chronic kidney disease                        | 35  | 17.5 (11.7, 25.9) | 0.0001295 (0.0000869, 0.0001916) | 0.04863 (0.03528, 0.06636)   | 13.4 (8.1, 20.8)  | 0.0000979 (0.0000593, 0.0001515) | 0.04588 (0.03133, 0.06549) |
| DI Yogyakarta | Cirrhosis                                     | 35  | 20.3 (13.2, 30.3) | 0.0001501 (0.0000976, 0.0002246) | 0.05642 (0.03854, 0.08014)   | 11.8 (6.9, 18.8)  | 0.0000861 (0.0000502, 0.0001374) | 0.04035 (0.02654, 0.06031) |
| DI Yogyakarta | Chronic respiratory diseases                  | 35  | 14.9 (8.7, 23.0)  | 0.0001103 (0.0000646, 0.0001703) | 0.04145 (0.02637, 0.06095)   | 8.6 (4.7, 13.5)   | 0.0000628 (0.0000344, 0.0000986) | 0.02944 (0.01789, 0.04446) |
| DI Yogyakarta | Other non-communicable diseases               | 35  | 32.9 (24.1, 43.7) | 0.0002438 (0.0001784, 0.0003234) | 0.09161 (0.07328, 0.11428)   | 30.2 (20.4, 42.7) | 0.0002206 (0.0001493, 0.0003117) | 0.10345 (0.08089, 0.12841) |
| DI Yogyakarta | Drowning                                      | 35  | 2.4 (0.9, 5.4)    | 0.000018 (0.0000067, 0.0000402)  | 0.00676 (0.00256, 0.01496)   | 1.1 (0.4, 2.6)    | 0.0000079 (0.0000026, 0.0000187) | 0.00373 (0.00130, 0.00833) |
| DI Yogyakarta | Falls                                         | 35  | 8.4 (3.8, 16.2)   | 0.000062 (0.0000284, 0.0001201)  | 0.02336 (0.01077, 0.04552)   | 4.8 (2.0, 10.1)   | 0.0000348 (0.0000144, 0.0000740) | 0.01632 (0.00708, 0.03330) |
| DI Yogyakarta | Interpersonal violence                        | 35  | 1.2 (0.4, 2.5)    | 0.0000088 (0.0000032, 0.0000185) | 0.0033 (0.00126, 0.00669)    | 0.9 (0.3, 1.9)    | 0.0000065 (0.0000023, 0.0000140) | 0.00304 (0.00106, 0.00626) |
| DI Yogyakarta | Self-harm                                     | 35  | 4.4 (1.8, 8.7)    | 0.0000327 (0.0000135, 0.0000644) | 0.01227 (0.00524, 0.02328)   | 2.7 (1.0, 5.7)    | 0.0000199 (0.0000073, 0.0000413) | 0.00932 (0.00382, 0.01931) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males               |                                  |                            | Females             |                                  |                            |
|---------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|               |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Transport injuries                            | 35  | 53.3 (36.5, 75.0)   | 0.0003943 (0.0002700, 0.0005549) | 0.1481 (0.11008, 0.19289)  | 22.1 (13.3, 33.8)   | 0.0001611 (0.0000975, 0.0002470) | 0.07559 (0.05037, 0.10702) |
| DI Yogyakarta | Other unintentional injuries                  | 35  | 10.3 (5.8, 17.0)    | 0.0000765 (0.0000432, 0.0001255) | 0.02871 (0.01726, 0.04424) | 4.9 (2.5, 8.6)      | 0.0000358 (0.0000185, 0.0000627) | 0.0168 (0.00936, 0.02777)  |
| DI Yogyakarta | Diarrheal diseases                            | 40  | 13.3 (7.7, 21.7)    | 0.0000954 (0.0000556, 0.0001560) | 0.02452 (0.01478, 0.03812) | 14.0 (7.9, 21.8)    | 0.0000959 (0.0000542, 0.0001491) | 0.03106 (0.01946, 0.04557) |
| DI Yogyakarta | HIV/AIDS                                      | 40  | 4.3 (0.9, 11.4)     | 0.0000308 (0.0000067, 0.0000821) | 0.0079 (0.00168, 0.02048)  | 3.5 (0.8, 8.8)      | 0.0000241 (0.0000055, 0.0000605) | 0.00786 (0.00177, 0.01973) |
| DI Yogyakarta | Lower respiratory infections                  | 40  | 3.6 (1.7, 6.6)      | 0.0000256 (0.0000121, 0.0000478) | 0.00659 (0.00321, 0.01162) | 2.8 (1.3, 5.1)      | 0.0000192 (0.0000087, 0.0000352) | 0.00624 (0.00305, 0.01109) |
| DI Yogyakarta | Malaria                                       | 40  | 0.3 (0.0, 1.3)      | 0.000002 (0.0000001, 0.0000091)  | 0.00052 (0.00003, 0.00239) | 0.2 (0.0, 0.8)      | 0.0000012 (0.0000001, 0.0000055) | 0.00039 (0.00002, 0.00186) |
| DI Yogyakarta | Tuberculosis                                  | 40  | 32.0 (20.4, 47.6)   | 0.0002306 (0.0001470, 0.0003428) | 0.05923 (0.04036, 0.08140) | 19.9 (11.7, 31.0)   | 0.0001361 (0.0000803, 0.0002123) | 0.04409 (0.02761, 0.06280) |
| DI Yogyakarta | Maternal disorders                            | 40  |                     |                                  |                            | 2.9 (1.5, 5.2)      | 0.0000198 (0.0000101, 0.0000355) | 0.00644 (0.00344, 0.01104) |
| DI Yogyakarta | Other communicable diseases                   | 40  | 16.8 (9.9, 25.4)    | 0.000121 (0.0000710, 0.0001827)  | 0.03113 (0.01945, 0.04533) | 13.1 (7.6, 20.3)    | 0.0000895 (0.0000522, 0.0001390) | 0.02902 (0.01776, 0.04226) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 40  | 16.2 (7.4, 30.6)    | 0.0001168 (0.0000529, 0.0002206) | 0.03006 (0.01352, 0.05488) | 7.4 (2.9, 15.2)     | 0.0000507 (0.0000198, 0.0001039) | 0.0164 (0.00687, 0.03220)  |
| DI Yogyakarta | Breast cancer                                 | 40  | 0.8 (0.3, 1.8)      | 0.0000058 (0.0000020, 0.0000131) | 0.00148 (0.00050, 0.00340) | 40.9 (22.9, 65.7)   | 0.0002807 (0.0001572, 0.0004501) | 0.09096 (0.05342, 0.13372) |
| DI Yogyakarta | Cervical cancer                               | 40  |                     |                                  |                            | 22.8 (8.7, 43.0)    | 0.0001561 (0.0000599, 0.0002945) | 0.05056 (0.01971, 0.09141) |
| DI Yogyakarta | Other malignant neoplasms                     | 40  | 65.4 (44.7, 91.1)   | 0.0004706 (0.0003216, 0.0006559) | 0.12086 (0.08954, 0.15548) | 36.7 (21.3, 59.1)   | 0.0002519 (0.0001461, 0.0004053) | 0.08177 (0.04987, 0.12249) |
| DI Yogyakarta | Cerebrovascular disease                       | 40  | 65.7 (50.1, 88.4)   | 0.0004727 (0.0003604, 0.0006360) | 0.12161 (0.09930, 0.14578) | 61.3 (44.6, 81.9)   | 0.0004199 (0.0003059, 0.0005615) | 0.13624 (0.11083, 0.16253) |
| DI Yogyakarta | Ischemic heart disease                        | 40  | 62.4 (44.9, 86.7)   | 0.0004489 (0.0003232, 0.0006241) | 0.11547 (0.08792, 0.14401) | 36.6 (24.4, 53.1)   | 0.0002512 (0.0001675, 0.0003640) | 0.08145 (0.05842, 0.10602) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 40  | 22.3 (15.0, 33.7)   | 0.0001603 (0.0001080, 0.0002425) | 0.04126 (0.02855, 0.05865) | 24.9 (16.0, 37.2)   | 0.0001705 (0.0001097, 0.0002547) | 0.05534 (0.03795, 0.07816) |
| DI Yogyakarta | Diabetes mellitus                             | 40  | 24.8 (16.9, 34.4)   | 0.0001784 (0.0001220, 0.0002473) | 0.04587 (0.03214, 0.06044) | 28.8 (18.5, 41.6)   | 0.0001977 (0.0001266, 0.0002850) | 0.06411 (0.04393, 0.08568) |
| DI Yogyakarta | Chronic kidney disease                        | 40  | 27.5 (18.2, 39.9)   | 0.0001977 (0.0001307, 0.0002870) | 0.05078 (0.03718, 0.06909) | 20.3 (12.8, 30.4)   | 0.0001389 (0.0000877, 0.0002085) | 0.04503 (0.03088, 0.06285) |
| DI Yogyakarta | Cirrhosis                                     | 40  | 32.3 (21.0, 48.2)   | 0.0002325 (0.0001514, 0.0003468) | 0.05977 (0.04119, 0.08333) | 19.0 (11.4, 29.3)   | 0.0001302 (0.0000783, 0.0002007) | 0.04222 (0.02758, 0.06024) |
| DI Yogyakarta | Chronic respiratory diseases                  | 40  | 20.6 (12.5, 30.6)   | 0.0001483 (0.0000896, 0.0002200) | 0.03815 (0.02417, 0.05469) | 12.6 (7.2, 19.7)    | 0.0000866 (0.0000494, 0.0001348) | 0.02812 (0.01769, 0.04149) |
| DI Yogyakarta | Other non-communicable diseases               | 40  | 46.4 (33.9, 63.5)   | 0.000334 (0.0002437, 0.0004585)  | 0.08587 (0.06764, 0.10733) | 42.6 (29.5, 58.3)   | 0.0002921 (0.0002023, 0.0003996) | 0.09479 (0.07484, 0.11707) |
| DI Yogyakarta | Drowning                                      | 40  | 1.8 (0.7, 4.5)      | 0.0000132 (0.0000048, 0.0000321) | 0.00338 (0.00126, 0.00805) | 0.9 (0.3, 2.0)      | 0.0000061 (0.0000019, 0.0000140) | 0.00199 (0.00066, 0.00479) |
| DI Yogyakarta | Falls                                         | 40  | 10.1 (4.3, 20.6)    | 0.0000726 (0.0000312, 0.0001479) | 0.01873 (0.00840, 0.03672) | 6.1 (2.5, 12.5)     | 0.0000415 (0.0000174, 0.0000859) | 0.01348 (0.00584, 0.02666) |
| DI Yogyakarta | Interpersonal violence                        | 40  | 1.1 (0.4, 2.4)      | 0.0000082 (0.0000029, 0.0000172) | 0.0021 (0.00077, 0.00449)  | 0.8 (0.3, 1.7)      | 0.0000055 (0.0000020, 0.0000116) | 0.00177 (0.00065, 0.00364) |
| DI Yogyakarta | Self-harm                                     | 40  | 4.7 (2.0, 9.7)      | 0.0000338 (0.0000142, 0.0000696) | 0.00868 (0.00379, 0.01697) | 2.7 (1.0, 5.6)      | 0.0000184 (0.0000070, 0.0000385) | 0.00596 (0.00243, 0.01239) |
| DI Yogyakarta | Transport injuries                            | 40  | 57.5 (37.7, 84.0)   | 0.0004141 (0.0002717, 0.0006048) | 0.10638 (0.07483, 0.14519) | 24.1 (14.6, 36.8)   | 0.000165 (0.0001002, 0.0002520)  | 0.05356 (0.03451, 0.07898) |
| DI Yogyakarta | Other unintentional injuries                  | 40  | 10.6 (6.0, 17.6)    | 0.0000766 (0.0000430, 0.0001264) | 0.01967 (0.01176, 0.03085) | 5.0 (2.6, 8.7)      | 0.0000343 (0.0000179, 0.0000595) | 0.01114 (0.00630, 0.01831) |
| DI Yogyakarta | Diarrheal diseases                            | 45  | 14.7 (8.3, 24.3)    | 0.0001204 (0.0000681, 0.0001992) | 0.02158 (0.01266, 0.03370) | 18.4 (10.9, 28.7)   | 0.0001427 (0.0000843, 0.0002225) | 0.02973 (0.01857, 0.04364) |
| DI Yogyakarta | HIV/AIDS                                      | 45  | 2.6 (0.5, 7.2)      | 0.000021 (0.0000043, 0.0000592)  | 0.00376 (0.00076, 0.01048) | 2.4 (0.5, 6.4)      | 0.0000187 (0.0000039, 0.0000496) | 0.00392 (0.00082, 0.01029) |
| DI Yogyakarta | Lower respiratory infections                  | 45  | 5.2 (2.5, 9.4)      | 0.0000424 (0.0000206, 0.0000776) | 0.0076 (0.00381, 0.01313)  | 4.9 (2.3, 8.6)      | 0.0000379 (0.0000180, 0.0000668) | 0.00791 (0.00393, 0.01402) |
| DI Yogyakarta | Malaria                                       | 45  | 0.3 (0.0, 1.2)      | 0.0000021 (0.0000001, 0.0000096) | 0.00037 (0.00002, 0.00169) | 0.2 (0.0, 0.8)      | 0.0000013 (0.0000001, 0.0000061) | 0.00027 (0.00002, 0.00135) |
| DI Yogyakarta | Tuberculosis                                  | 45  | 37.5 (24.1, 55.1)   | 0.0003077 (0.0001981, 0.0004530) | 0.05509 (0.03888, 0.07347) | 25.1 (15.6, 37.8)   | 0.0001947 (0.0001210, 0.0002932) | 0.04054 (0.02689, 0.05666) |
| DI Yogyakarta | Maternal disorders                            | 45  |                     |                                  |                            | 1.1 (0.4, 2.1)      | 0.0000082 (0.0000034, 0.0000160) | 0.0017 (0.00073, 0.00329)  |
| DI Yogyakarta | Other communicable diseases                   | 45  | 16.4 (9.7, 25.4)    | 0.000135 (0.0000798, 0.0002085)  | 0.02418 (0.01509, 0.03515) | 15.6 (9.3, 23.9)    | 0.0001209 (0.0000719, 0.0001854) | 0.02518 (0.01581, 0.03622) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 45  | 19.2 (8.9, 35.7)    | 0.0001577 (0.0000730, 0.0002932) | 0.02827 (0.01330, 0.05061) | 10.4 (4.4, 20.3)    | 0.0000806 (0.0000344, 0.0001578) | 0.01677 (0.00763, 0.03192) |
| DI Yogyakarta | Breast cancer                                 | 45  | 0.9 (0.3, 2.0)      | 0.0000076 (0.0000026, 0.0000168) | 0.00136 (0.00046, 0.00290) | 45.8 (25.9, 72.4)   | 0.0003556 (0.0002013, 0.0005619) | 0.074 (0.04262, 0.10829)   |
| DI Yogyakarta | Cervical cancer                               | 45  |                     |                                  |                            | 28.2 (11.4, 53.5)   | 0.0002194 (0.0000885, 0.0004152) | 0.04566 (0.01843, 0.08345) |
| DI Yogyakarta | Other malignant neoplasms                     | 45  | 67.8 (45.5, 95.4)   | 0.0005567 (0.0003740, 0.0007839) | 0.09962 (0.07131, 0.12924) | 40.8 (23.7, 64.2)   | 0.0003171 (0.0001839, 0.0004982) | 0.06613 (0.04037, 0.09822) |
| DI Yogyakarta | Cerebrovascular disease                       | 45  | 104.2 (79.7, 137.9) | 0.000856 (0.0006543, 0.0011325)  | 0.15343 (0.12873, 0.18005) | 106.8 (81.8, 138.2) | 0.000829 (0.0006351, 0.0010735)  | 0.17279 (0.14589, 0.20216) |
| DI Yogyakarta | Ischemic heart disease                        | 45  | 86.8 (62.3, 118.7)  | 0.0007132 (0.0005121, 0.0009750) | 0.12776 (0.09879, 0.15746) | 54.2 (38.2, 75.8)   | 0.0004208 (0.0002968, 0.0005883) | 0.08768 (0.06516, 0.11309) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 45  | 31.2 (21.3, 46.5)   | 0.0002564 (0.0001751, 0.0003824) | 0.04596 (0.03307, 0.06371) | 37.4 (25.1, 54.0)   | 0.0002904 (0.0001948, 0.0004194) | 0.06053 (0.04300, 0.08287) |
| DI Yogyakarta | Diabetes mellitus                             | 45  | 43.5 (30.0, 60.8)   | 0.0003575 (0.0002465, 0.0004993) | 0.06406 (0.04667, 0.08332) | 53.8 (36.7, 75.7)   | 0.0004179 (0.0002854, 0.0005878) | 0.08706 (0.06257, 0.11352) |
| DI Yogyakarta | Chronic kidney disease                        | 45  | 31.7 (21.6, 46.5)   | 0.0002605 (0.0001771, 0.0003819) | 0.04663 (0.03392, 0.06330) | 24.5 (16.1, 36.6)   | 0.0001905 (0.0001254, 0.0002840) | 0.03966 (0.02785, 0.05532) |
| DI Yogyakarta | Cirrhosis                                     | 45  | 38.1 (24.6, 57.5)   | 0.0003127 (0.0002019, 0.0004725) | 0.056 (0.03789, 0.07833)   | 25.1 (15.7, 37.2)   | 0.0001952 (0.0001221, 0.0002885) | 0.04068 (0.02678, 0.05658) |
| DI Yogyakarta | Chronic respiratory diseases                  | 45  | 30.0 (18.6, 45.2)   | 0.0002467 (0.0001531, 0.0003714) | 0.0442 (0.02922, 0.06193)  | 19.6 (12.2, 28.8)   | 0.0001519 (0.0000945, 0.0002233) | 0.03168 (0.02039, 0.04547) |
| DI Yogyakarta | Other non-communicable diseases               | 45  | 51.9 (38.1, 70.2)   | 0.0004263 (0.0003128, 0.0005768) | 0.07636 (0.05986, 0.09567) | 52.1 (37.1, 70.9)   | 0.0004044 (0.0002879, 0.0005505) | 0.0843 (0.06611, 0.10472)  |
| DI Yogyakarta | Drowning                                      | 45  | 1.5 (0.5, 3.5)      | 0.0000126 (0.0000042, 0.0000286) | 0.00225 (0.00078, 0.00505) | 1.0 (0.3, 2.2)      | 0.0000075 (0.0000025, 0.0000173) | 0.00156 (0.00053, 0.00342) |
| DI Yogyakarta | Falls                                         | 45  | 13.4 (5.9, 26.0)    | 0.0001097 (0.0000489, 0.0002133) | 0.01971 (0.00910, 0.03702) | 9.7 (4.4, 18.7)     | 0.0000755 (0.0000339, 0.0001454) | 0.01575 (0.00728, 0.02992) |
| DI Yogyakarta | Interpersonal violence                        | 45  | 1.0 (0.4, 2.1)      | 0.0000081 (0.0000032, 0.0000170) | 0.00145 (0.00056, 0.00301) | 0.7 (0.3, 1.5)      | 0.0000055 (0.0000021, 0.0000118) | 0.00115 (0.00046, 0.00241) |
| DI Yogyakarta | Self-harm                                     | 45  | 4.6 (1.9, 9.1)      | 0.0000376 (0.0000155, 0.0000749) | 0.00672 (0.00296, 0.01295) | 2.6 (1.1, 5.6)      | 0.0000203 (0.0000083, 0.0000435) | 0.00423 (0.00181, 0.00851) |
| DI Yogyakarta | Transport injuries                            | 45  | 66.4 (44.5, 95.4)   | 0.0005453 (0.0003653, 0.0007835) | 0.09762 (0.06966, 0.13126) | 32.1 (19.7, 47.1)   | 0.000249 (0.0001528, 0.0003655)  | 0.05192 (0.03400, 0.07391) |
| DI Yogyakarta | Other unintentional injuries                  | 45  | 10.9 (5.9, 17.9)    | 0.0000895 (0.0000487, 0.0001474) | 0.016 (0.00935, 0.02517)   | 5.7 (3.1, 9.6)      | 0.0000441 (0.0000243, 0.0000743) | 0.00919 (0.00516, 0.01515) |
| DI Yogyakarta | Diarrheal diseases                            | 50  | 22.5 (12.8, 36.2)   | 0.0002047 (0.0001163, 0.0003299) | 0.02358 (0.01421, 0.03659) | 26.7 (16.4, 40.0)   | 0.0002312 (0.0001424, 0.0003468) | 0.03264 (0.02168, 0.04706) |
| DI Yogyakarta | HIV/AIDS                                      | 50  | 1.3 (0.2, 4.0)      | 0.0000122 (0.0000022, 0.0000362) | 0.00141 (0.00026, 0.00417) | 1.2 (0.2, 3.5)      | 0.0000106 (0.0000020, 0.0000304) | 0.0015 (0.00030, 0.00436)  |
| DI Yogyakarta | Lower respiratory infections                  | 50  | 8.3 (4.0, 15.3)     | 0.0000754 (0.0000361, 0.0001392) | 0.00868 (0.00432, 0.01476) | 7.7 (3.7, 13.4)     | 0.0000664 (0.0000319, 0.0001158) | 0.00939 (0.00477, 0.01590) |
| DI Yogyakarta | Malaria                                       | 50  | 0.3 (0.0, 1.3)      | 0.0000026 (0.0000002, 0.0000122) | 0.00031 (0.00002, 0.00130) | 0.2 (0.0, 0.8)      | 0.0000015 (0.0000001, 0.0000074) | 0.00021 (0.00001, 0.00109) |
| DI Yogyakarta | Tuberculosis                                  | 50  | 51.6 (32.8, 76.9)   | 0.0004693 (0.0002983, 0.0006994) | 0.05397 (0.03763, 0.07091) | 31.2 (19.8, 46.9)   | 0.0002705 (0.0001717, 0.0004062) | 0.03819 (0.02538, 0.05279) |
| DI Yogyakarta | Maternal disorders                            | 50  |                     |                                  |                            | 0.6 (0.2, 1.4)      | 0.0000048 (0.0000015, 0.0000121) | 0.00069 (0.00021, 0.00168) |
| DI Yogyakarta | Other communicable diseases                   | 50  | 19.2 (11.0, 29.9)   | 0.0001751 (0.0001004, 0.0002724) | 0.02017 (0.01211, 0.03014) | 17.6 (10.3, 27.0)   | 0.0001524 (0.0000893, 0.0002345) | 0.02155 (0.01317, 0.03192) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 50  | 29.3 (14.1, 53.1)   | 0.0002665 (0.0001284, 0.0004832) | 0.03068 (0.01541, 0.05436) | 13.2 (6.0, 25.7)    | 0.0001147 (0.0000523, 0.0002227) | 0.01617 (0.00768, 0.03029) |
| DI Yogyakarta | Breast cancer                                 | 50  | 0.9 (0.3, 2.0)      | 0.0000082 (0.0000028, 0.0000185) | 0.00094 (0.00032, 0.00211) | 44.1 (24.2, 71.6)   | 0.0003821 (0.0002094, 0.0006208) | 0.0539 (0.03051, 0.08093)  |
| DI Yogyakarta | Cervical cancer                               | 50  |                     |                                  |                            | 30.4 (12.4, 57.9)   | 0.0002634 (0.0001074, 0.0005024) | 0.0372 (0.01545, 0.06833)  |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|---------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|               |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Other malignant neoplasms                     | 50  | 70.7 (46.9, 101.7)   | 0.000643 (0.0004268, 0.0009250)  | 0.07389 (0.05282, 0.09826) | 46.8 (27.2, 73.1)    | 0.0004058 (0.0002357, 0.0006339) | 0.05737 (0.03546, 0.08714) |
| DI Yogyakarta | Cerebrovascular disease                       | 50  | 177.5 (134.4, 233.6) | 0.0016155 (0.0012234, 0.0021256) | 0.186 (0.16021, 0.21573)   | 170.2 (131.5, 217.9) | 0.0014752 (0.0011402, 0.0018889) | 0.20843 (0.18029, 0.23978) |
| DI Yogyakarta | Ischemic heart disease                        | 50  | 138.0 (97.3, 188.0)  | 0.0012555 (0.0008856, 0.0017108) | 0.14446 (0.11318, 0.17619) | 76.8 (54.4, 108.3)   | 0.0006655 (0.0004714, 0.0009387) | 0.09397 (0.07133, 0.12059) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 50  | 51.0 (34.3, 75.1)    | 0.000464 (0.0003120, 0.0006837)  | 0.05344 (0.03860, 0.07319) | 57.3 (39.8, 82.4)    | 0.000497 (0.0003449, 0.0007148)  | 0.07022 (0.05089, 0.09427) |
| DI Yogyakarta | Diabetes mellitus                             | 50  | 73.2 (50.3, 100.9)   | 0.000666 (0.0004579, 0.0009184)  | 0.07666 (0.05636, 0.09888) | 83.8 (58.0, 116.6)   | 0.0007269 (0.0005025, 0.0010105) | 0.10269 (0.07537, 0.13120) |
| DI Yogyakarta | Chronic kidney disease                        | 50  | 42.2 (28.6, 62.0)    | 0.0003837 (0.0002603, 0.0005646) | 0.04411 (0.03242, 0.05945) | 29.9 (19.9, 44.6)    | 0.0002592 (0.0001727, 0.0003863) | 0.03658 (0.02592, 0.05073) |
| DI Yogyakarta | Cirrhosis                                     | 50  | 50.2 (32.8, 75.4)    | 0.0004569 (0.0002986, 0.0006858) | 0.05258 (0.03609, 0.07259) | 31.9 (20.0, 46.5)    | 0.0002763 (0.0001732, 0.0004028) | 0.03903 (0.02636, 0.05469) |
| DI Yogyakarta | Chronic respiratory diseases                  | 50  | 48.1 (30.8, 71.1)    | 0.0004376 (0.0002804, 0.0006468) | 0.05037 (0.03403, 0.06984) | 30.8 (19.6, 45.2)    | 0.0002674 (0.0001699, 0.0003919) | 0.0378 (0.02549, 0.05258)  |
| DI Yogyakarta | Other non-communicable diseases               | 50  | 68.9 (48.5, 93.9)    | 0.0006274 (0.0004410, 0.0008547) | 0.0722 (0.05703, 0.09023)  | 65.1 (47.4, 88.4)    | 0.0005647 (0.0004113, 0.0007667) | 0.07981 (0.06287, 0.09923) |
| DI Yogyakarta | Drowning                                      | 50  | 1.4 (0.5, 3.0)       | 0.0000123 (0.0000042, 0.0000270) | 0.00142 (0.00051, 0.00317) | 0.9 (0.3, 1.8)       | 0.0000074 (0.0000025, 0.0000156) | 0.00105 (0.00035, 0.00226) |
| DI Yogyakarta | Falls                                         | 50  | 18.5 (8.6, 35.0)     | 0.0001687 (0.0000786, 0.0003181) | 0.01946 (0.00896, 0.03570) | 13.0 (6.1, 24.6)     | 0.0001128 (0.0000532, 0.0002130) | 0.01595 (0.00776, 0.02879) |
| DI Yogyakarta | Interpersonal violence                        | 50  | 1.0 (0.4, 2.0)       | 0.0000087 (0.0000033, 0.0000179) | 0.001 (0.00039, 0.00209)   | 0.6 (0.2, 1.2)       | 0.0000052 (0.0000022, 0.0000107) | 0.00073 (0.00030, 0.00153) |
| DI Yogyakarta | Self-harm                                     | 50  | 5.0 (2.0, 9.7)       | 0.0000452 (0.0000182, 0.0000884) | 0.00519 (0.00216, 0.01021) | 2.4 (1.0, 5.1)       | 0.0000209 (0.0000083, 0.0000440) | 0.00294 (0.00122, 0.00606) |
| DI Yogyakarta | Transport injuries                            | 50  | 65.0 (41.1, 99.2)    | 0.0005911 (0.0003742, 0.0009030) | 0.06794 (0.04651, 0.09541) | 29.1 (17.0, 44.3)    | 0.0002519 (0.0001478, 0.0003839) | 0.0356 (0.02254, 0.05258)  |
| DI Yogyakarta | Other unintentional injuries                  | 50  | 11.0 (5.7, 18.5)     | 0.0001004 (0.0000520, 0.0001682) | 0.01153 (0.00661, 0.01851) | 5.2 (2.8, 8.7)       | 0.0000451 (0.0000242, 0.0000753) | 0.00638 (0.00360, 0.01035) |
| DI Yogyakarta | Diarrheal diseases                            | 55  | 26.6 (15.7, 42.3)    | 0.0003137 (0.0001846, 0.0004984) | 0.02436 (0.01497, 0.03639) | 29.2 (18.4, 43.4)    | 0.0003501 (0.0002207, 0.0005204) | 0.03327 (0.02220, 0.04625) |
| DI Yogyakarta | HIV/AIDS                                      | 55  | 0.6 (0.1, 2.0)       | 0.0000074 (0.0000012, 0.0000232) | 0.00057 (0.00009, 0.00173) | 0.5 (0.1, 1.6)       | 0.0000063 (0.0000011, 0.0000196) | 0.0006 (0.00010, 0.00187)  |
| DI Yogyakarta | Lower respiratory infections                  | 55  | 9.4 (4.6, 16.8)      | 0.0001112 (0.0000541, 0.0001983) | 0.00864 (0.00440, 0.01500) | 8.4 (4.2, 14.4)      | 0.0001011 (0.0000504, 0.0001723) | 0.00964 (0.00500, 0.01625) |
| DI Yogyakarta | Malaria                                       | 55  | 0.3 (0.0, 1.5)       | 0.0000037 (0.0000002, 0.0000171) | 0.00029 (0.00002, 0.00126) | 0.2 (0.0, 0.8)       | 0.0000019 (0.0000001, 0.0000095) | 0.00018 (0.00001, 0.00095) |
| DI Yogyakarta | Tuberculosis                                  | 55  | 49.7 (31.2, 73.9)    | 0.0005846 (0.0003670, 0.0008706) | 0.04535 (0.03119, 0.06135) | 27.0 (16.9, 41.1)    | 0.000323 (0.0002022, 0.0004919)  | 0.0307 (0.01964, 0.04395)  |
| DI Yogyakarta | Other communicable diseases                   | 55  | 20.0 (11.6, 32.0)    | 0.0002359 (0.0001361, 0.0003764) | 0.01832 (0.01091, 0.02768) | 17.3 (10.1, 26.5)    | 0.0002074 (0.0001216, 0.0003168) | 0.01973 (0.01187, 0.02906) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 55  | 32.3 (15.3, 58.6)    | 0.0003806 (0.0001796, 0.0006905) | 0.02955 (0.01483, 0.05130) | 11.3 (5.1, 22.3)     | 0.0001354 (0.0000617, 0.0002668) | 0.01286 (0.00601, 0.02493) |
| DI Yogyakarta | Breast cancer                                 | 55  | 0.8 (0.3, 1.8)       | 0.0000091 (0.0000032, 0.0000210) | 0.00071 (0.00025, 0.00155) | 35.1 (18.6, 57.5)    | 0.0004201 (0.0002226, 0.0006882) | 0.03988 (0.02249, 0.06171) |
| DI Yogyakarta | Cervical cancer                               | 55  |                      |                                  |                            | 23.2 (8.9, 45.4)     | 0.0002782 (0.0001068, 0.0005442) | 0.02645 (0.01062, 0.05081) |
| DI Yogyakarta | Other malignant neoplasms                     | 55  | 63.5 (41.3, 92.5)    | 0.0007472 (0.0004861, 0.0010886) | 0.0579 (0.04125, 0.07786)  | 44.6 (26.9, 68.9)    | 0.0005346 (0.0003221, 0.0008258) | 0.05087 (0.03118, 0.07562) |
| DI Yogyakarta | Cerebrovascular disease                       | 55  | 235.4 (176.7, 302.7) | 0.002771 (0.0020804, 0.0035644)  | 0.21512 (0.18829, 0.24581) | 214.0 (170.5, 268.7) | 0.002563 (0.0020416, 0.0032186)  | 0.24373 (0.21465, 0.27637) |
| DI Yogyakarta | Ischemic heart disease                        | 55  | 174.6 (123.6, 235.2) | 0.0020562 (0.0014553, 0.0027689) | 0.15956 (0.12547, 0.19314) | 90.8 (65.4, 123.6)   | 0.001087 (0.0007833, 0.0014806)  | 0.10335 (0.07827, 0.12918) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 55  | 65.7 (43.2, 96.5)    | 0.0007739 (0.0005091, 0.0011360) | 0.06008 (0.04419, 0.08222) | 68.8 (48.0, 98.2)    | 0.0008236 (0.0005745, 0.0011761) | 0.07832 (0.05731, 0.10408) |
| DI Yogyakarta | Diabetes mellitus                             | 55  | 88.4 (60.7, 122.1)   | 0.0010406 (0.0007146, 0.0014376) | 0.08078 (0.05993, 0.10275) | 94.4 (67.3, 130.3)   | 0.0011301 (0.0008059, 0.0015606) | 0.10743 (0.08054, 0.13712) |
| DI Yogyakarta | Chronic kidney disease                        | 55  | 46.3 (31.0, 67.2)    | 0.0005448 (0.0003651, 0.0007914) | 0.04225 (0.03092, 0.05703) | 30.1 (20.2, 44.3)    | 0.0003603 (0.0002424, 0.0005303) | 0.03423 (0.02441, 0.04701) |
| DI Yogyakarta | Cirrhosis                                     | 55  | 51.7 (33.2, 75.1)    | 0.0006083 (0.0003914, 0.0008838) | 0.04722 (0.03248, 0.06471) | 31.6 (20.3, 46.7)    | 0.0003785 (0.0002430, 0.0005590) | 0.03599 (0.02416, 0.04950) |
| DI Yogyakarta | Chronic respiratory diseases                  | 55  | 58.7 (38.6, 86.2)    | 0.0006912 (0.0004547, 0.0010148) | 0.05368 (0.03730, 0.07403) | 35.9 (23.9, 50.9)    | 0.0004305 (0.0002861, 0.0006091) | 0.04095 (0.02912, 0.05563) |
| DI Yogyakarta | Other non-communicable diseases               | 55  | 81.4 (57.1, 111.8)   | 0.0009584 (0.0006720, 0.0013160) | 0.07436 (0.05922, 0.09216) | 72.6 (53.9, 99.2)    | 0.0008694 (0.0006461, 0.0011879) | 0.08267 (0.06581, 0.10203) |
| DI Yogyakarta | Drowning                                      | 55  | 1.1 (0.3, 2.7)       | 0.0000134 (0.0000041, 0.0000318) | 0.00104 (0.00033, 0.00244) | 0.7 (0.2, 1.5)       | 0.0000086 (0.0000028, 0.0000182) | 0.00082 (0.00027, 0.00183) |
| DI Yogyakarta | Falls                                         | 55  | 22.6 (10.7, 41.6)    | 0.0002659 (0.0001257, 0.0004898) | 0.02068 (0.01004, 0.03748) | 15.2 (7.4, 27.3)     | 0.0001826 (0.0000886, 0.0003264) | 0.01737 (0.00891, 0.03002) |
| DI Yogyakarta | Interpersonal violence                        | 55  | 0.8 (0.3, 1.8)       | 0.0000098 (0.0000035, 0.0000216) | 0.00076 (0.00028, 0.00163) | 0.4 (0.2, 0.9)       | 0.0000053 (0.0000022, 0.0000113) | 0.00051 (0.00021, 0.00107) |
| DI Yogyakarta | Self-harm                                     | 55  | 4.9 (1.8, 9.8)       | 0.0000577 (0.0000217, 0.0001153) | 0.00447 (0.00185, 0.00861) | 2.0 (0.8, 4.2)       | 0.0000239 (0.0000094, 0.0000498) | 0.00227 (0.00095, 0.00464) |
| DI Yogyakarta | Transport injuries                            | 55  | 49.5 (28.9, 78.2)    | 0.0005823 (0.0003397, 0.0009212) | 0.04511 (0.02850, 0.06574) | 20.5 (11.3, 33.2)    | 0.0002449 (0.0001355, 0.0003976) | 0.0233 (0.01346, 0.03670)  |
| DI Yogyakarta | Other unintentional injuries                  | 55  | 10.1 (5.1, 16.9)     | 0.0001186 (0.0000601, 0.0001992) | 0.00919 (0.00499, 0.01473) | 4.3 (2.2, 7.1)       | 0.0000514 (0.0000260, 0.0000850) | 0.00489 (0.00261, 0.00805) |
| DI Yogyakarta | Diarrheal diseases                            | 60  | 32.2 (19.2, 49.2)    | 0.0005582 (0.0003322, 0.0008528) | 0.02617 (0.01667, 0.03908) | 40.3 (26.5, 58.5)    | 0.0005974 (0.0003922, 0.0008669) | 0.03747 (0.02589, 0.05175) |
| DI Yogyakarta | HIV/AIDS                                      | 60  | 0.5 (0.1, 1.5)       | 0.0000084 (0.0000012, 0.0000265) | 0.00039 (0.00006, 0.00120) | 0.5 (0.1, 1.4)       | 0.0000067 (0.0000011, 0.0000214) | 0.00042 (0.00007, 0.00134) |
| DI Yogyakarta | Lower respiratory infections                  | 60  | 14.5 (7.2, 25.2)     | 0.0002515 (0.0001249, 0.0004362) | 0.01179 (0.00605, 0.01995) | 16.1 (8.5, 27.0)     | 0.0002391 (0.0001267, 0.0003996) | 0.01502 (0.00805, 0.02482) |
| DI Yogyakarta | Malaria                                       | 60  | 0.3 (0.0, 1.6)       | 0.0000059 (0.0000003, 0.0000274) | 0.00028 (0.00002, 0.00123) | 0.2 (0.0, 0.8)       | 0.0000025 (0.0000001, 0.0000115) | 0.00016 (0.00001, 0.00076) |
| DI Yogyakarta | Tuberculosis                                  | 60  | 64.2 (40.6, 93.7)    | 0.0011117 (0.0007038, 0.0016235) | 0.05205 (0.03648, 0.06905) | 36.0 (22.5, 52.7)    | 0.0005342 (0.0003340, 0.0007807) | 0.03351 (0.02128, 0.04799) |
| DI Yogyakarta | Other communicable diseases                   | 60  | 17.5 (9.8, 28.7)     | 0.000304 (0.0001691, 0.0004968)  | 0.01425 (0.00839, 0.02212) | 18.3 (10.6, 28.3)    | 0.0002708 (0.0001577, 0.0004200) | 0.017 (0.01001, 0.02615)   |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 60  | 35.1 (16.7, 63.7)    | 0.0006078 (0.0002892, 0.0011029) | 0.02847 (0.01356, 0.04953) | 11.9 (5.4, 23.6)     | 0.000177 (0.0000796, 0.0003495)  | 0.01109 (0.00517, 0.02088) |
| DI Yogyakarta | Breast cancer                                 | 60  | 0.7 (0.2, 1.6)       | 0.0000121 (0.0000042, 0.0000279) | 0.00056 (0.00020, 0.00128) | 26.4 (13.2, 45.2)    | 0.0003919 (0.0001956, 0.0006705) | 0.02455 (0.01286, 0.04072) |
| DI Yogyakarta | Cervical cancer                               | 60  |                      |                                  |                            | 22.6 (8.9, 45.1)     | 0.0003348 (0.0001316, 0.0006687) | 0.02099 (0.00864, 0.04040) |
| DI Yogyakarta | Other malignant neoplasms                     | 60  | 64.8 (41.9, 94.0)    | 0.0011231 (0.0007262, 0.0016286) | 0.05254 (0.03761, 0.07040) | 50.7 (31.0, 75.8)    | 0.0007517 (0.0004587, 0.0011229) | 0.03719 (0.02907, 0.06907) |
| DI Yogyakarta | Cerebrovascular disease                       | 60  | 282.1 (210.1, 361.5) | 0.0048879 (0.0036400, 0.0062621) | 0.22897 (0.20055, 0.26005) | 290.0 (239.4, 357.8) | 0.004298 (0.0035472, 0.0053022)  | 0.26975 (0.23938, 0.30161) |
| DI Yogyakarta | Ischemic heart disease                        | 60  | 185.2 (129.1, 247.3) | 0.0032083 (0.0022371, 0.0042845) | 0.15026 (0.11743, 0.18191) | 108.1 (78.4, 145.5)  | 0.0016022 (0.0011625, 0.0021557) | 0.10055 (0.07695, 0.12496) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 60  | 79.6 (53.4, 115.9)   | 0.0013795 (0.0009249, 0.0020078) | 0.06463 (0.04710, 0.08738) | 86.5 (61.9, 120.6)   | 0.0012821 (0.0009172, 0.0017869) | 0.08048 (0.05987, 0.10633) |
| DI Yogyakarta | Diabetes mellitus                             | 60  | 86.4 (57.4, 118.5)   | 0.0014974 (0.0009937, 0.0020532) | 0.07013 (0.05194, 0.08986) | 98.5 (72.0, 133.3)   | 0.0014601 (0.0010671, 0.0019756) | 0.09165 (0.06896, 0.11676) |
| DI Yogyakarta | Chronic kidney disease                        | 60  | 46.5 (31.3, 67.4)    | 0.0008052 (0.0005423, 0.0011669) | 0.03769 (0.02767, 0.05113) | 30.8 (20.9, 44.8)    | 0.0004562 (0.0003090, 0.0006637) | 0.02861 (0.02062, 0.03925) |
| DI Yogyakarta | Cirrhosis                                     | 60  | 49.0 (31.7, 72.0)    | 0.0008488 (0.0005489, 0.0012465) | 0.03977 (0.02739, 0.05512) | 34.9 (22.9, 50.9)    | 0.0005179 (0.0003390, 0.0007543) | 0.03251 (0.02221, 0.04504) |
| DI Yogyakarta | Chronic respiratory diseases                  | 60  | 93.3 (61.9, 131.5)   | 0.0016172 (0.0010722, 0.0022779) | 0.07578 (0.05416, 0.10081) | 58.3 (40.4, 79.9)    | 0.0008635 (0.0005987, 0.0011843) | 0.0542 (0.03887, 0.07282)  |
| DI Yogyakarta | Other non-communicable diseases               | 60  | 100.2 (70.0, 134.3)  | 0.0017362 (0.0012122, 0.0023264) | 0.0813 (0.06459, 0.10034)  | 97.3 (74.1, 127.5)   | 0.0014421 (0.0010979, 0.0018901) | 0.09052 (0.07271, 0.11175) |
| DI Yogyakarta | Drowning                                      | 60  | 0.9 (0.3, 2.3)       | 0.0000164 (0.0000053, 0.0000399) | 0.00077 (0.00024, 0.00183) | 0.9 (0.3, 2.0)       | 0.000013 (0.0000039, 0.0000299)  | 0.00082 (0.00024, 0.00188) |
| DI Yogyakarta | Falls                                         | 60  | 20.8 (9.4, 39.1)     | 0.0003603 (0.0001626, 0.0006772) | 0.0169 (0.00804, 0.03043)  | 18.4 (9.2, 31.6)     | 0.0002721 (0.0001366, 0.0004680) | 0.01709 (0.00867, 0.02934) |
| DI Yogyakarta | Interpersonal violence                        | 60  | 0.6 (0.2, 1.3)       | 0.0000106 (0.0000037, 0.0000228) | 0.00049 (0.00018, 0.00105) | 0.3 (0.1, 0.7)       | 0.0000046 (0.0000018, 0.0000102) | 0.00029 (0.00011, 0.00062) |
| DI Yogyakarta | Self-harm                                     | 60  | 4.1 (1.5, 8.4)       | 0.0000706 (0.0000267, 0.0001456) | 0.0003 (0.00139, 0.00662)  | 1.5 (0.6, 3.3)       | 0.0000224 (0.0000088, 0.0000491) | 0.0014 (0.00057, 0.00299)  |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|---------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|               |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
|               |                                               |     |                      |                                  |                            |                      |                                  |                            |
| DI Yogyakarta | Transport injuries                            | 60  | 44.9 (26.4, 72.1)    | 0.0007787 (0.0004576, 0.0012484) | 0.0364 (0.02308, 0.05345)  | 22.4 (12.6, 36.3)    | 0.0003323 (0.0001862, 0.0005373) | 0.02087 (0.01239, 0.03344) |
| DI Yogyakarta | Other unintentional injuries                  | 60  | 8.8 (4.3, 14.8)      | 0.000152 (0.0000745, 0.0002563)  | 0.00711 (0.00387, 0.01130) | 4.1 (2.2, 7.0)       | 0.0000612 (0.0000323, 0.0001036) | 0.00384 (0.00214, 0.00652) |
| DI Yogyakarta | Diarrheal diseases                            | 65  | 66.9 (42.8, 98.5)    | 0.0012143 (0.0007764, 0.0017894) | 0.03957 (0.02713, 0.05523) | 80.7 (55.1, 113.7)   | 0.0012859 (0.0008789, 0.0018132) | 0.05425 (0.03928, 0.07170) |
| DI Yogyakarta | HIV/AIDS                                      | 65  | 0.6 (0.1, 1.8)       | 0.0000113 (0.0000019, 0.0000323) | 0.00037 (0.00006, 0.00104) | 0.5 (0.1, 1.6)       | 0.0000087 (0.0000016, 0.0000253) | 0.00037 (0.00007, 0.00107) |
| DI Yogyakarta | Lower respiratory infections                  | 65  | 25.3 (13.2, 43.3)    | 0.0004601 (0.0002402, 0.0007864) | 0.01499 (0.00803, 0.02436) | 27.2 (14.9, 43.6)    | 0.0004328 (0.0002377, 0.0006948) | 0.01829 (0.01010, 0.02861) |
| DI Yogyakarta | Malaria                                       | 65  | 0.4 (0.0, 1.9)       | 0.0000068 (0.0000004, 0.0000350) | 0.00022 (0.00001, 0.00108) | 0.2 (0.0, 0.8)       | 0.0000027 (0.0000001, 0.0000120) | 0.00011 (0.00001, 0.00055) |
| DI Yogyakarta | Tuberculosis                                  | 65  | 83.6 (50.7, 123.0)   | 0.001519 (0.0009216, 0.0022340)  | 0.04943 (0.03331, 0.06708) | 42.5 (24.9, 64.7)    | 0.0006772 (0.0003963, 0.0010311) | 0.02857 (0.01702, 0.04191) |
| DI Yogyakarta | Other communicable diseases                   | 65  | 22.8 (12.5, 37.6)    | 0.0004147 (0.0002273, 0.0006821) | 0.01351 (0.00756, 0.02112) | 23.5 (13.2, 36.4)    | 0.0003743 (0.0002096, 0.0005809) | 0.01581 (0.00894, 0.02398) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 65  | 37.8 (17.5, 69.0)    | 0.0006869 (0.0003184, 0.0012537) | 0.02236 (0.01085, 0.03988) | 12.0 (5.3, 25.0)     | 0.0001913 (0.0000846, 0.0003978) | 0.00806 (0.00371, 0.01591) |
| DI Yogyakarta | Breast cancer                                 | 65  | 0.6 (0.2, 1.5)       | 0.0000115 (0.0000037, 0.0000277) | 0.00037 (0.00012, 0.00086) | 21.1 (9.8, 37.2)     | 0.0003363 (0.0001564, 0.0005936) | 0.01416 (0.00661, 0.02457) |
| DI Yogyakarta | Cervical cancer                               | 65  |                      |                                  |                            | 21.1 (7.9, 43.9)     | 0.0003362 (0.0001264, 0.0007005) | 0.01417 (0.00553, 0.02935) |
| DI Yogyakarta | Other malignant neoplasms                     | 65  | 66.7 (43.4, 97.2)    | 0.0012107 (0.0007883, 0.0017654) | 0.03937 (0.02743, 0.05257) | 61.1 (38.0, 91.3)    | 0.0009741 (0.0006060, 0.0014556) | 0.04111 (0.02600, 0.05952) |
| DI Yogyakarta | Cerebrovascular disease                       | 65  | 417.0 (308.8, 529.6) | 0.0075722 (0.0056084, 0.0096180) | 0.24654 (0.21911, 0.27831) | 435.6 (360.2, 531.6) | 0.0069442 (0.0057425, 0.0084738) | 0.29313 (0.26206, 0.32643) |
| DI Yogyakarta | Ischemic heart disease                        | 65  | 241.2 (165.0, 326.0) | 0.0043804 (0.0029961, 0.0059197) | 0.1426 (0.11095, 0.17393)  | 140.6 (101.5, 188.7) | 0.0022416 (0.0016181, 0.0030089) | 0.09462 (0.07162, 0.11969) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 65  | 117.9 (78.1, 169.0)  | 0.0021412 (0.0014191, 0.0030685) | 0.06973 (0.05119, 0.09475) | 127.9 (90.7, 179.3)  | 0.0020383 (0.0014457, 0.0028579) | 0.08604 (0.06341, 0.11406) |
| DI Yogyakarta | Diabetes mellitus                             | 65  | 92.7 (61.0, 127.6)   | 0.0016842 (0.0011078, 0.0023164) | 0.05482 (0.04035, 0.06987) | 107.4 (77.9, 146.9)  | 0.0017119 (0.0012411, 0.0023415) | 0.07226 (0.05411, 0.09293) |
| DI Yogyakarta | Chronic kidney disease                        | 65  | 55.9 (37.6, 81.2)    | 0.001016 (0.0006831, 0.0014747)  | 0.03305 (0.02447, 0.04477) | 36.9 (25.0, 54.4)    | 0.0005878 (0.0003990, 0.0008676) | 0.02479 (0.01776, 0.03443) |
| DI Yogyakarta | Cirrhosis                                     | 65  | 56.1 (36.1, 82.9)    | 0.0010186 (0.0006549, 0.0015058) | 0.03318 (0.02267, 0.04593) | 41.7 (26.8, 61.2)    | 0.0006646 (0.0004274, 0.0009752) | 0.02805 (0.01899, 0.03944) |
| DI Yogyakarta | Chronic respiratory diseases                  | 65  | 142.6 (96.5, 197.1)  | 0.0025893 (0.0017519, 0.0035803) | 0.08432 (0.06301, 0.10894) | 86.7 (60.3, 117.1)   | 0.001382 (0.0009619, 0.0018673)  | 0.05835 (0.04256, 0.07684) |
| DI Yogyakarta | Other non-communicable diseases               | 65  | 155.4 (109.3, 207.1) | 0.0028216 (0.0019854, 0.0037615) | 0.09183 (0.07407, 0.11320) | 152.2 (116.8, 197.5) | 0.0024268 (0.0018618, 0.0031486) | 0.10244 (0.08304, 0.12577) |
| DI Yogyakarta | Drowning                                      | 65  | 1.4 (0.4, 3.3)       | 0.0000248 (0.0000079, 0.0000604) | 0.00081 (0.00027, 0.00197) | 1.4 (0.4, 3.3)       | 0.000022 (0.0000061, 0.0000531)  | 0.00093 (0.00026, 0.00229) |
| DI Yogyakarta | Falls                                         | 65  | 34.9 (16.3, 63.7)    | 0.0006343 (0.0002951, 0.0011565) | 0.02067 (0.01051, 0.03670) | 31.6 (17.0, 54.0)    | 0.0005039 (0.0002714, 0.0008613) | 0.02128 (0.01153, 0.03551) |
| DI Yogyakarta | Interpersonal violence                        | 65  | 0.6 (0.2, 1.3)       | 0.0000102 (0.0000036, 0.0000233) | 0.00033 (0.00012, 0.00076) | 0.3 (0.1, 0.6)       | 0.0000043 (0.0000015, 0.0000102) | 0.00018 (0.00006, 0.00043) |
| DI Yogyakarta | Self-harm                                     | 65  | 4.2 (1.6, 8.5)       | 0.0000754 (0.0000290, 0.0001549) | 0.00245 (0.00099, 0.00496) | 1.4 (0.5, 3.0)       | 0.0000223 (0.0000083, 0.0000472) | 0.00094 (0.00036, 0.00198) |
| DI Yogyakarta | Transport injuries                            | 65  | 56.0 (31.1, 91.4)    | 0.0010165 (0.0005647, 0.0016595) | 0.03301 (0.02044, 0.04990) | 27.8 (14.3, 47.5)    | 0.000443 (0.0002286, 0.0007570)  | 0.01871 (0.00990, 0.03123) |
| DI Yogyakarta | Other unintentional injuries                  | 65  | 11.0 (5.7, 18.6)     | 0.0001991 (0.0001028, 0.0003370) | 0.00647 (0.00353, 0.01039) | 5.0 (2.6, 8.5)       | 0.0000795 (0.0000414, 0.0001349) | 0.00336 (0.00181, 0.00561) |
| DI Yogyakarta | Diarrheal diseases                            | 70  | 110.4 (71.0, 156.8)  | 0.002544 (0.0016353, 0.0036130)  | 0.05246 (0.03713, 0.07096) | 142.8 (101.3, 193.8) | 0.0025967 (0.0018425, 0.0035227) | 0.06794 (0.05095, 0.08822) |
| DI Yogyakarta | HIV/AIDS                                      | 70  | 1.0 (0.2, 3.2)       | 0.0000231 (0.0000043, 0.0000743) | 0.00048 (0.00009, 0.00146) | 1.0 (0.2, 2.9)       | 0.0000173 (0.0000032, 0.0000529) | 0.00045 (0.00009, 0.00140) |
| DI Yogyakarta | Lower respiratory infections                  | 70  | 40.9 (21.3, 67.6)    | 0.0009425 (0.0004911, 0.0015579) | 0.01944 (0.01092, 0.03083) | 48.8 (27.6, 76.1)    | 0.0008872 (0.0005011, 0.0013840) | 0.02324 (0.01347, 0.03538) |
| DI Yogyakarta | Malaria                                       | 70  | 0.4 (0.0, 1.8)       | 0.0000085 (0.0000005, 0.0000416) | 0.00018 (0.00001, 0.00084) | 0.2 (0.0, 0.8)       | 0.0000032 (0.0000002, 0.0000141) | 0.00008 (0.00000, 0.00038) |
| DI Yogyakarta | Tuberculosis                                  | 70  | 100.0 (64.4, 150.7)  | 0.0023057 (0.0014142, 0.0034729) | 0.04751 (0.03147, 0.06626) | 56.5 (33.0, 85.9)    | 0.0010271 (0.0005991, 0.0015615) | 0.02686 (0.01621, 0.04032) |
| DI Yogyakarta | Other communicable diseases                   | 70  | 28.9 (16.3, 47.1)    | 0.0006657 (0.0003762, 0.0010859) | 0.01373 (0.00819, 0.02082) | 32.2 (18.0, 49.7)    | 0.0005848 (0.0003279, 0.0009042) | 0.01531 (0.00886, 0.02340) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 70  | 40.2 (18.5, 75.9)    | 0.0009266 (0.0004255, 0.0017498) | 0.0191 (0.00893, 0.03530)  | 13.7 (5.9, 29.3)     | 0.0002492 (0.0001081, 0.0005326) | 0.00652 (0.00287, 0.01336) |
| DI Yogyakarta | Breast cancer                                 | 70  | 0.5 (0.1, 1.1)       | 0.0000108 (0.0000033, 0.0000264) | 0.00022 (0.00007, 0.00053) | 16.7 (7.2, 31.2)     | 0.0003033 (0.0001305, 0.0005664) | 0.00792 (0.00348, 0.01426) |
| DI Yogyakarta | Cervical cancer                               | 70  |                      |                                  |                            | 16.0 (5.3, 35.2)     | 0.0002906 (0.0000960, 0.0006408) | 0.0076 (0.00264, 0.01636)  |
| DI Yogyakarta | Other malignant neoplasms                     | 70  | 61.5 (39.2, 90.5)    | 0.0014183 (0.0009044, 0.0020849) | 0.02919 (0.02009, 0.03955) | 66.9 (42.6, 98.4)    | 0.0012167 (0.0007748, 0.0017886) | 0.03184 (0.02055, 0.04550) |
| DI Yogyakarta | Cerebrovascular disease                       | 70  | 526.7 (391.9, 656.5) | 0.0121399 (0.0090322, 0.0151314) | 0.25031 (0.22118, 0.28145) | 637.6 (536.0, 772.1) | 0.0115924 (0.0096473, 0.0140378) | 0.30348 (0.27041, 0.33696) |
| DI Yogyakarta | Ischemic heart disease                        | 70  | 279.0 (194.7, 372.2) | 0.0064311 (0.0044866, 0.0085793) | 0.13257 (0.10372, 0.16250) | 197.8 (143.2, 263.3) | 0.0035968 (0.0026042, 0.0047871) | 0.09417 (0.07082, 0.11807) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 70  | 156.2 (105.0, 220.8) | 0.0036011 (0.0024201, 0.0050889) | 0.07426 (0.05535, 0.09923) | 190.4 (136.8, 261.7) | 0.0034607 (0.0024867, 0.0047570) | 0.09058 (0.06696, 0.11957) |
| DI Yogyakarta | Diabetes mellitus                             | 70  | 83.5 (55.8, 114.5)   | 0.0019239 (0.0012851, 0.0026389) | 0.03966 (0.02943, 0.05118) | 111.8 (79.7, 154.3)  | 0.002032 (0.0014488, 0.0028050)  | 0.0532 (0.03937, 0.06872)  |
| DI Yogyakarta | Chronic kidney disease                        | 70  | 58.1 (38.8, 83.2)    | 0.0013399 (0.0008952, 0.0019167) | 0.0276 (0.02061, 0.03744)  | 43.9 (29.8, 64.4)    | 0.0007986 (0.0005414, 0.0011702) | 0.02089 (0.01488, 0.02932) |
| DI Yogyakarta | Cirrhosis                                     | 70  | 59.1 (37.8, 86.7)    | 0.0013621 (0.0008713, 0.0019986) | 0.02809 (0.01922, 0.03935) | 50.9 (33.1, 73.6)    | 0.0009247 (0.0006024, 0.0013388) | 0.0242 (0.01597, 0.03386)  |
| DI Yogyakarta | Chronic respiratory diseases                  | 70  | 214.5 (147.7, 289.5) | 0.0049434 (0.0034035, 0.0066724) | 0.10193 (0.07773, 0.12949) | 142.8 (100.3, 191.5) | 0.0025958 (0.0018227, 0.0034820) | 0.06795 (0.04980, 0.08847) |
| DI Yogyakarta | Other non-communicable diseases               | 70  | 209.8 (149.4, 273.1) | 0.0048357 (0.0034435, 0.0062948) | 0.09964 (0.08109, 0.12162) | 235.0 (180.5, 303.4) | 0.0042729 (0.0032821, 0.0055163) | 0.11185 (0.09056, 0.13706) |
| DI Yogyakarta | Drowning                                      | 70  | 3.0 (1.1, 6.6)       | 0.0000688 (0.0000249, 0.0001524) | 0.00142 (0.00053, 0.00324) | 3.4 (1.1, 7.5)       | 0.0000611 (0.0000199, 0.0001364) | 0.0016 (0.00055, 0.00350)  |
| DI Yogyakarta | Falls                                         | 70  | 48.7 (24.2, 85.0)    | 0.0011227 (0.0005580, 0.0019598) | 0.02318 (0.01218, 0.03985) | 49.1 (26.6, 80.3)    | 0.0008931 (0.0004484, 0.0014594) | 0.02339 (0.01292, 0.03810) |
| DI Yogyakarta | Interpersonal violence                        | 70  | 0.5 (0.2, 1.0)       | 0.0000105 (0.0000035, 0.0000237) | 0.00022 (0.00007, 0.00049) | 0.2 (0.1, 0.6)       | 0.0000044 (0.0000013, 0.0000109) | 0.00011 (0.00003, 0.00029) |
| DI Yogyakarta | Self-harm                                     | 70  | 3.9 (1.5, 7.9)       | 0.0000901 (0.0000344, 0.0001822) | 0.00186 (0.00076, 0.00373) | 1.4 (0.5, 3.2)       | 0.0000261 (0.0000092, 0.0000584) | 0.00068 (0.00024, 0.00149) |
| DI Yogyakarta | Transport injuries                            | 70  | 65.3 (36.8, 105.9)   | 0.0015046 (0.0008486, 0.0024405) | 0.03094 (0.01879, 0.04807) | 35.9 (19.0, 61.5)    | 0.0006527 (0.0003447, 0.0011179) | 0.0171 (0.00916, 0.02838)  |
| DI Yogyakarta | Other unintentional injuries                  | 70  | 12.7 (6.3, 21.4)     | 0.0002923 (0.0001461, 0.0004942) | 0.00602 (0.00325, 0.00993) | 6.4 (3.3, 11.5)      | 0.0001158 (0.0000597, 0.0002092) | 0.00304 (0.00160, 0.00549) |
| DI Yogyakarta | Diarrheal diseases                            | 75  | 114.1 (75.4, 158.7)  | 0.0041549 (0.0027478, 0.0057798) | 0.06126 (0.04441, 0.08147) | 178.7 (130.8, 239.8) | 0.0045331 (0.0033171, 0.0060831) | 0.07465 (0.05574, 0.09584) |
| DI Yogyakarta | HIV/AIDS                                      | 75  | 0.7 (0.1, 2.0)       | 0.000024 (0.0000048, 0.0000725)  | 0.00036 (0.00007, 0.00110) | 0.8 (0.1, 2.3)       | 0.0000195 (0.0000033, 0.0000580) | 0.00032 (0.00006, 0.00096) |
| DI Yogyakarta | Lower respiratory infections                  | 75  | 38.6 (21.0, 63.4)    | 0.0014062 (0.0007653, 0.0023078) | 0.02074 (0.01173, 0.03247) | 55.3 (31.7, 86.5)    | 0.0014034 (0.0008046, 0.0021949) | 0.02313 (0.01333, 0.03496) |
| DI Yogyakarta | Malaria                                       | 75  | 0.3 (0.0, 1.5)       | 0.000011 (0.0000007, 0.0000529)  | 0.00016 (0.00001, 0.00079) | 0.2 (0.0, 0.8)       | 0.0000047 (0.0000003, 0.0000203) | 0.00008 (0.00000, 0.00034) |
| DI Yogyakarta | Tuberculosis                                  | 75  | 69.7 (39.7, 108.5)   | 0.0025373 (0.0014447, 0.0039501) | 0.03738 (0.02321, 0.05433) | 49.5 (27.3, 78.7)    | 0.0012559 (0.0006914, 0.0019968) | 0.02067 (0.01159, 0.03194) |
| DI Yogyakarta | Other communicable diseases                   | 75  | 24.9 (13.5, 41.1)    | 0.0009077 (0.0004906, 0.0014977) | 0.01339 (0.00756, 0.02090) | 33.3 (18.7, 51.7)    | 0.0008437 (0.0004734, 0.0013114) | 0.01391 (0.00771, 0.02111) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 75  | 29.7 (13.4, 55.3)    | 0.001083 (0.0004893, 0.0020154)  | 0.01595 (0.00768, 0.02953) | 11.6 (5.0, 23.9)     | 0.0002952 (0.0001264, 0.0006069) | 0.00486 (0.00208, 0.00985) |
| DI Yogyakarta | Breast cancer                                 | 75  | 0.3 (0.1, 0.7)       | 0.0000095 (0.0000027, 0.0000238) | 0.00014 (0.00004, 0.00034) | 11.5 (4.7, 22.1)     | 0.0002918 (0.0001199, 0.0005598) | 0.00479 (0.00205, 0.00898) |
| DI Yogyakarta | Cervical cancer                               | 75  |                      |                                  |                            | 10.3 (3.4, 23.1)     | 0.0002605 (0.0000858, 0.0005852) | 0.00429 (0.00145, 0.00950) |
| DI Yogyakarta | Other malignant neoplasms                     | 75  | 40.8 (25.4, 59.4)    | 0.0014859 (0.0009252, 0.0021643) | 0.02187 (0.01493, 0.02990) | 62.6 (40.2, 90.2)    | 0.0015882 (0.0010209, 0.0022876) | 0.02616 (0.01741, 0.03675) |
| DI Yogyakarta | Cerebrovascular disease                       | 75  | 472.8 (346.7, 591.3) | 0.0172213 (0.0126067, 0.0215356) | 0.25383 (0.22321, 0.28588) | 738.1 (612.3, 883.9) | 0.0187239 (0.0155314, 0.0224219) | 0.30849 (0.27471, 0.34331) |
| DI Yogyakarta | Ischemic heart disease                        | 75  | 261.8 (179.1, 347.5) | 0.009536 (0.0065241, 0.0126562)  | 0.14051 (0.10994, 0.17338) | 246.4 (183.2, 325.8) | 0.0062511 (0.0046465, 0.0082646) | 0.10301 (0.07755, 0.12933) |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|---------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|               |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 75  | 140.5 (93.4, 198.9)        | 0.0051177 (0.0034033, 0.0072464) | 0.07544 (0.05607, 0.10181) | 221.9 (160.3, 302.5)       | 0.00563 (0.0040674, 0.0076736)   | 0.09276 (0.06921, 0.12141) |
| DI Yogyakarta | Diabetes mellitus                                        | 75  | 60.8 (40.4, 84.1)          | 0.0022141 (0.0014727, 0.0030629) | 0.03263 (0.02392, 0.04220) | 106.3 (76.0, 144.9)        | 0.0026953 (0.0019275, 0.0036770) | 0.04441 (0.03269, 0.05850) |
| DI Yogyakarta | Chronic kidney disease                                   | 75  | 44.4 (29.9, 63.3)          | 0.0016156 (0.0010887, 0.0023042) | 0.02379 (0.01761, 0.03250) | 44.0 (30.3, 64.5)          | 0.0011162 (0.0007696, 0.0016359) | 0.01838 (0.01298, 0.02593) |
| DI Yogyakarta | Cirrhosis                                                | 75  | 47.2 (29.9, 69.0)          | 0.0017196 (0.0010876, 0.0025126) | 0.02535 (0.01736, 0.03528) | 51.7 (33.6, 73.3)          | 0.0013118 (0.0008533, 0.0018595) | 0.02161 (0.01436, 0.03041) |
| DI Yogyakarta | Chronic respiratory diseases                             | 75  | 183.2 (124.7, 248.2)       | 0.0066733 (0.0045436, 0.0090404) | 0.09834 (0.07542, 0.12364) | 154.2 (107.8, 207.3)       | 0.0039128 (0.0027343, 0.0052584) | 0.06446 (0.04701, 0.08377) |
| DI Yogyakarta | Other non-communicable diseases                          | 75  | 213.1 (151.9, 276.8)       | 0.0077628 (0.0055338, 0.0100822) | 0.11436 (0.09346, 0.13688) | 308.2 (242.5, 386.0)       | 0.0078173 (0.0061516, 0.0097916) | 0.12878 (0.10492, 0.15482) |
| DI Yogyakarta | Drowning                                                 | 75  | 4.3 (1.4, 9.7)             | 0.0001576 (0.0000503, 0.0003523) | 0.00232 (0.00078, 0.00509) | 5.4 (1.7, 12.7)            | 0.0001379 (0.0000430, 0.0003223) | 0.00227 (0.00072, 0.00516) |
| DI Yogyakarta | Falls                                                    | 75  | 56.5 (29.6, 93.9)          | 0.0020565 (0.0010781, 0.0034213) | 0.03034 (0.01702, 0.04845) | 65.5 (36.2, 102.9)         | 0.0016623 (0.0009185, 0.0026099) | 0.02738 (0.01581, 0.04162) |
| DI Yogyakarta | Interpersonal violence                                   | 75  | 0.3 (0.1, 0.7)             | 0.0000105 (0.0000028, 0.0000262) | 0.00015 (0.00004, 0.00039) | 0.2 (0.0, 0.5)             | 0.0000048 (0.0000012, 0.0000134) | 0.00008 (0.00002, 0.00022) |
| DI Yogyakarta | Self-harm                                                | 75  | 2.9 (1.1, 6.0)             | 0.0001072 (0.0000395, 0.0002203) | 0.00158 (0.00059, 0.00324) | 1.4 (0.5, 3.2)             | 0.0000344 (0.0000117, 0.0000802) | 0.00057 (0.00020, 0.00127) |
| DI Yogyakarta | Transport injuries                                       | 75  | 45.4 (23.1, 79.2)          | 0.0016553 (0.0008428, 0.0028832) | 0.02432 (0.01340, 0.04019) | 29.2 (13.8, 52.7)          | 0.0007418 (0.0003497, 0.0013361) | 0.01223 (0.00591, 0.02227) |
| DI Yogyakarta | Other unintentional injuries                             | 75  | 10.8 (5.2, 18.7)           | 0.0003944 (0.0001883, 0.0006803) | 0.0058 (0.00316, 0.00951)  | 6.5 (3.0, 11.7)            | 0.000165 (0.0000762, 0.0002967)  | 0.00272 (0.00132, 0.00478) |
| DI Yogyakarta | Diarrheal diseases                                       | 80  | 300.7 (219.6, 396.6)       | 0.0129191 (0.0094379, 0.0170402) | 0.09519 (0.07288, 0.12008) | 507.1 (391.7, 644.1)       | 0.0144299 (0.0111468, 0.0183288) | 0.10506 (0.08248, 0.13004) |
| DI Yogyakarta | HIV/AIDS                                                 | 80  | 1.1 (0.2, 4.0)             | 0.0000478 (0.0000074, 0.0001701) | 0.00035 (0.00006, 0.00130) | 1.5 (0.2, 5.7)             | 0.0000433 (0.0000065, 0.0001616) | 0.00032 (0.00005, 0.00118) |
| DI Yogyakarta | Lower respiratory infections                             | 80  | 77.2 (42.9, 124.7)         | 0.0033169 (0.0018445, 0.0053574) | 0.02446 (0.01391, 0.03891) | 122.7 (71.2, 184.7)        | 0.0034912 (0.0020254, 0.0052561) | 0.02543 (0.01494, 0.03798) |
| DI Yogyakarta | Malaria                                                  | 80  | 0.5 (0.0, 2.3)             | 0.0000211 (0.0000013, 0.0000995) | 0.00016 (0.00001, 0.00071) | 0.4 (0.0, 1.7)             | 0.0000106 (0.0000006, 0.0000494) | 0.00008 (0.00000, 0.00036) |
| DI Yogyakarta | Tuberculosis                                             | 80  | 101.4 (57.3, 162.0)        | 0.0043565 (0.0024634, 0.0069591) | 0.03208 (0.01904, 0.04845) | 94.2 (52.0, 148.0)         | 0.0026798 (0.0014807, 0.0042112) | 0.0195 (0.01106, 0.03058)  |
| DI Yogyakarta | Other communicable diseases                              | 80  | 46.7 (26.8, 74.1)          | 0.002006 (0.0011518, 0.0031830)  | 0.01478 (0.00880, 0.02299) | 65.0 (37.4, 100.2)         | 0.0018486 (0.0010644, 0.0028521) | 0.01346 (0.00775, 0.02056) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer                      | 80  | 40.0 (17.5, 75.8)          | 0.0017168 (0.0007509, 0.0032581) | 0.01264 (0.00566, 0.02403) | 18.8 (7.8, 40.3)           | 0.000536 (0.0002229, 0.0011476)  | 0.0039 (0.00163, 0.00817)  |
| DI Yogyakarta | Breast cancer                                            | 80  | 0.3 (0.1, 0.9)             | 0.0000135 (0.0000032, 0.0000388) | 0.0001 (0.00002, 0.00027)  | 15.5 (5.9, 31.1)           | 0.0004418 (0.0001671, 0.0008837) | 0.00321 (0.00123, 0.00632) |
| DI Yogyakarta | Cervical cancer                                          | 80  |                            |                                  |                            | 12.1 (3.4, 28.5)           | 0.0003438 (0.0000978, 0.0008122) | 0.0025 (0.00071, 0.00586)  |
| DI Yogyakarta | Other malignant neoplasms                                | 80  | 54.0 (35.2, 78.6)          | 0.0023212 (0.0015112, 0.0033785) | 0.01709 (0.01161, 0.02411) | 99.5 (64.7, 146.9)         | 0.0028316 (0.0018405, 0.0041805) | 0.02061 (0.01364, 0.02977) |
| DI Yogyakarta | Cerebrovascular disease                                  | 80  | 801.5 (648.7, 952.3)       | 0.034442 (0.0278746, 0.0409202)  | 0.25379 (0.22370, 0.28485) | 1,472.3 (1,271.8, 1,698.0) | 0.0418969 (0.0361938, 0.0483214) | 0.30511 (0.27193, 0.34147) |
| DI Yogyakarta | Ischemic heart disease                                   | 80  | 394.4 (288.5, 503.2)       | 0.0169454 (0.0123953, 0.0216227) | 0.12485 (0.09623, 0.15574) | 481.2 (361.8, 617.2)       | 0.0136942 (0.0102954, 0.0175652) | 0.09974 (0.07572, 0.12461) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 80  | 218.4 (150.7, 303.9)       | 0.0093861 (0.0064737, 0.0130568) | 0.06916 (0.05051, 0.09446) | 414.4 (300.8, 555.4)       | 0.0117918 (0.0085590, 0.0158065) | 0.08587 (0.06272, 0.11288) |
| DI Yogyakarta | Diabetes mellitus                                        | 80  | 79.9 (53.8, 108.5)         | 0.0034312 (0.0023131, 0.0046618) | 0.02528 (0.01808, 0.03276) | 172.0 (122.5, 231.0)       | 0.0048938 (0.0034852, 0.0065746) | 0.03564 (0.02542, 0.04703) |
| DI Yogyakarta | Chronic kidney disease                                   | 80  | 59.3 (41.9, 86.8)          | 0.0025468 (0.0017987, 0.0037277) | 0.01875 (0.01357, 0.02623) | 74.6 (50.2, 110.4)         | 0.0021228 (0.0014297, 0.0031416) | 0.01546 (0.01073, 0.02241) |
| DI Yogyakarta | Cirrhosis                                                | 80  | 68.5 (45.3, 99.8)          | 0.0029442 (0.0019469, 0.0042895) | 0.02169 (0.01460, 0.03087) | 85.4 (54.9, 122.1)         | 0.0024293 (0.0015615, 0.0034750) | 0.01769 (0.01147, 0.02514) |
| DI Yogyakarta | Chronic respiratory diseases                             | 80  | 306.0 (222.7, 395.8)       | 0.0131508 (0.0095713, 0.0170084) | 0.0969 (0.07395, 0.12088)  | 305.3 (212.8, 401.3)       | 0.0086871 (0.0060559, 0.0114193) | 0.06325 (0.04537, 0.08246) |
| DI Yogyakarta | Other non-communicable diseases                          | 80  | 394.1 (301.7, 491.9)       | 0.0169339 (0.0129647, 0.0211353) | 0.12474 (0.10087, 0.15141) | 675.5 (544.2, 832.1)       | 0.0192229 (0.0154852, 0.0236800) | 0.13999 (0.11456, 0.16747) |
| DI Yogyakarta | Drowning                                                 | 80  | 7.5 (2.5, 16.8)            | 0.0003218 (0.0001063, 0.0007238) | 0.00237 (0.00078, 0.00525) | 8.6 (2.6, 19.5)            | 0.0002443 (0.0000738, 0.0005536) | 0.00178 (0.00055, 0.00400) |
| DI Yogyakarta | Falls                                                    | 80  | 123.4 (72.0, 190.1)        | 0.0053046 (0.0030924, 0.0081695) | 0.03908 (0.02401, 0.05894) | 142.5 (88.1, 214.5)        | 0.0040558 (0.0025064, 0.0061044) | 0.02955 (0.01811, 0.04449) |
| DI Yogyakarta | Interpersonal violence                                   | 80  | 0.3 (0.1, 0.9)             | 0.0000142 (0.0000025, 0.0000405) | 0.0001 (0.00002, 0.00030)  | 0.3 (0.0, 0.9)             | 0.0000078 (0.0000014, 0.0000244) | 0.00006 (0.00001, 0.00018) |
| DI Yogyakarta | Self-harm                                                | 80  | 3.9 (1.3, 8.7)             | 0.0001692 (0.0000580, 0.0003747) | 0.00125 (0.00043, 0.00271) | 2.4 (0.8, 5.8)             | 0.0000682 (0.0000219, 0.0001661) | 0.0005 (0.00016, 0.00124)  |
| DI Yogyakarta | Transport injuries                                       | 80  | 63.8 (29.4, 112.9)         | 0.0027406 (0.0012636, 0.0048502) | 0.02016 (0.00945, 0.03515) | 43.6 (18.6, 82.6)          | 0.0012399 (0.0005299, 0.0023499) | 0.00904 (0.00386, 0.01737) |
| DI Yogyakarta | Other unintentional injuries                             | 80  | 15.9 (7.5, 29.0)           | 0.000684 (0.0003222, 0.0012445)  | 0.00503 (0.00249, 0.00903) | 10.9 (4.8, 20.3)           | 0.000309 (0.0001358, 0.0005774)  | 0.00225 (0.00101, 0.00428) |
| DI Yogyakarta | Diarrheal diseases                                       | All | 863.4 (605.7, 1,174.9)     | 0.0004722 (0.0003312, 0.0006425) | 0.05496 (0.04073, 0.07188) | 1,185.6 (887.5, 1,541.0)   | 0.0006357 (0.0004758, 0.0008262) | 0.07271 (0.05634, 0.09131) |
| DI Yogyakarta | HIV/AIDS                                                 | All | 44.0 (11.2, 107.5)         | 0.0000241 (0.0000061, 0.0000588) | 0.0028 (0.00072, 0.00692)  | 31.2 (7.7, 75.3)           | 0.0000167 (0.0000041, 0.0000404) | 0.00191 (0.00048, 0.00462) |
| DI Yogyakarta | Lower respiratory infections                             | All | 330.2 (202.9, 496.8)       | 0.0001806 (0.0001110, 0.0002717) | 0.02103 (0.01311, 0.03099) | 364.0 (221.7, 536.5)       | 0.0001952 (0.0001189, 0.0002877) | 0.02234 (0.01386, 0.03290) |
| DI Yogyakarta | Malaria                                                  | All | 4.6 (0.3, 20.2)            | 0.0000025 (0.0000002, 0.0000111) | 0.00029 (0.00001, 0.00126) | 2.6 (0.2, 12.5)            | 0.0000014 (0.0000001, 0.0000067) | 0.00016 (0.00001, 0.00079) |
| DI Yogyakarta | Tuberculosis                                             | All | 715.2 (444.7, 1,056.9)     | 0.0003911 (0.0002432, 0.0005780) | 0.04542 (0.03104, 0.06220) | 443.4 (272.2, 659.9)       | 0.0002378 (0.0001460, 0.0003538) | 0.02715 (0.01709, 0.03941) |
| DI Yogyakarta | Maternal disorders                                       | All |                            |                                  |                            | 25.7 (13.9, 42.8)          | 0.0000138 (0.0000075, 0.0000230) | 0.00157 (0.00091, 0.00259) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | All | 146.9 (65.5, 262.0)        | 0.0000803 (0.0000358, 0.0001433) | 0.00939 (0.00404, 0.01715) | 108.5 (48.8, 194.1)        | 0.0000582 (0.0000262, 0.0001041) | 0.00666 (0.00293, 0.01191) |
| DI Yogyakarta | Preterm birth complications                              | All | 157.9 (68.4, 284.0)        | 0.0000863 (0.0000374, 0.0001553) | 0.01008 (0.00434, 0.01820) | 150.6 (71.1, 271.9)        | 0.0000807 (0.0000381, 0.0001458) | 0.00924 (0.00427, 0.01623) |
| DI Yogyakarta | Other neonatal disorders                                 | All | 43.8 (8.9, 114.9)          | 0.0000239 (0.0000049, 0.0000628) | 0.0028 (0.00058, 0.00793)  | 30.7 (5.9, 80.7)           | 0.0000164 (0.0000031, 0.0000433) | 0.00188 (0.00037, 0.00486) |
| DI Yogyakarta | Other communicable diseases                              | All | 404.9 (267.4, 573.1)       | 0.0002214 (0.0001462, 0.0003134) | 0.02579 (0.01757, 0.03521) | 352.7 (227.3, 508.2)       | 0.0001891 (0.0001219, 0.0002725) | 0.02163 (0.01398, 0.03079) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer                      | All | 309.8 (151.1, 564.9)       | 0.0001694 (0.0000826, 0.0003089) | 0.01967 (0.00967, 0.03446) | 123.7 (57.9, 241.4)        | 0.0000663 (0.0000310, 0.0001294) | 0.00757 (0.00356, 0.01453) |
| DI Yogyakarta | Breast cancer                                            | All | 6.5 (2.4, 13.8)            | 0.0000036 (0.0000013, 0.0000076) | 0.00041 (0.00015, 0.00089) | 312.2 (172.8, 505.5)       | 0.0001674 (0.0000926, 0.0002710) | 0.01908 (0.01062, 0.02947) |
| DI Yogyakarta | Cervical cancer                                          | All |                            |                                  |                            | 209.4 (85.2, 424.8)        | 0.0001123 (0.0000457, 0.0002277) | 0.01281 (0.00544, 0.02454) |
| DI Yogyakarta | Other malignant neoplasms                                | All | 680.8 (461.2, 962.7)       | 0.0003723 (0.0002522, 0.0005265) | 0.04321 (0.03112, 0.05704) | 617.6 (402.2, 897.8)       | 0.0003311 (0.0002156, 0.0004814) | 0.03783 (0.02551, 0.05216) |
| DI Yogyakarta | Cerebrovascular disease                                  | All | 3,156.7 (2,414.2, 3,931.1) | 0.0017262 (0.0013202, 0.0021497) | 0.20058 (0.17625, 0.22686) | 4,186.9 (3,502.0, 4,995.3) | 0.0022449 (0.0018776, 0.0026783) | 0.25669 (0.22880, 0.28629) |
| DI Yogyakarta | Ischemic heart disease                                   | All | 1,907.8 (1,345.8, 2,509.9) | 0.0010433 (0.0007359, 0.0013726) | 0.12119 (0.09488, 0.14905) | 1,475.6 (1,081.7, 1,951.6) | 0.0007912 (0.0005799, 0.0010464) | 0.09046 (0.06888, 0.11294) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | All | 922.0 (637.0, 1,299.4)     | 0.0005042 (0.0003484, 0.0007106) | 0.05858 (0.04339, 0.07850) | 1,269.6 (923.3, 1,739.7)   | 0.0006807 (0.0004950, 0.0009327) | 0.07783 (0.05799, 0.10211) |
| DI Yogyakarta | Diabetes mellitus                                        | All | 654.6 (450.1, 887.6)       | 0.0003579 (0.0002461, 0.0004854) | 0.04156 (0.03096, 0.05293) | 880.8 (642.5, 1,185.2)     | 0.0004722 (0.0003445, 0.0006355) | 0.05396 (0.04044, 0.06953) |
| DI Yogyakarta | Chronic kidney disease                                   | All | 480.5 (336.2, 670.9)       | 0.0002628 (0.0001839, 0.0003669) | 0.0305 (0.02266, 0.04064)  | 383.6 (264.1, 553.6)       | 0.0002057 (0.0001416, 0.0002968) | 0.02349 (0.01710, 0.03224) |
| DI Yogyakarta | Cirrhosis                                                | All | 516.6 (367.2, 748.5)       | 0.0002825 (0.0001871, 0.0004093) | 0.03282 (0.02270, 0.04475) | 404.5 (265.8, 581.6)       | 0.0002169 (0.0001425, 0.0003118) | 0.02478 (0.01684, 0.03427) |
| DI Yogyakarta | Chronic respiratory diseases                             | All | 1,148.8 (803.8, 1,545.6)   | 0.0006282 (0.0004395, 0.0008452) | 0.07299 (0.05499, 0.09350) | 874.4 (615.8, 1,165.6)     | 0.0004688 (0.0003302, 0.0006249) | 0.05361 (0.03894, 0.06929) |
| DI Yogyakarta | Other non-communicable diseases                          | All | 1,576.1 (1,197.0, 1,991.6) | 0.0008619 (0.0006546, 0.0010891) | 0.10018 (0.08284, 0.11908) | 1,928.9 (1,541.5, 2,409.1) | 0.0010342 (0.0008265, 0.0012917) | 0.11826 (0.09773, 0.14119) |
| DI Yogyakarta | Drowning                                                 | All | 67.7 (33.0, 118.6)         | 0.000037 (0.0000180, 0.0000649)  | 0.00432 (0.00211, 0.00748) | 39.0 (16.6, 73.5)          | 0.0000209 (0.0000089, 0.0000394) | 0.00239 (0.00102, 0.00438) |
| DI Yogyakarta | Falls                                                    | All | 402.3 (221.4, 669.7)       | 0.00022 (0.0001211, 0.0003662)   | 0.0256 (0.01482, 0.04129)  | 375.1 (220.7, 596.2)       | 0.0002011 (0.0001184, 0.0003196) | 0.023 (0.01372, 0.03602)   |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males                    |                                  |                              | Females                  |                                  |                            |
|---------------|----------------------------------------------------------|-----|--------------------------|----------------------------------|------------------------------|--------------------------|----------------------------------|----------------------------|
|               |                                                          |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                |
| DI Yogyakarta | Interpersonal violence                                   | All | 14.6 (6.1, 28.5)         | 0.000008 (0.0000033, 0.0000156)  | 0.00093 (0.00040, 0.00177)   | 9.5 (4.0, 19.1)          | 0.0000051 (0.0000022, 0.0000103) | 0.00058 (0.00026, 0.00114) |
| DI Yogyakarta | Self-harm                                                | All | 64.7 (27.9, 121.7)       | 0.0000354 (0.0000153, 0.0000666) | 0.00411 (0.00185, 0.00759)   | 32.8 (13.7, 65.9)        | 0.0000176 (0.0000073, 0.0000353) | 0.00201 (0.00087, 0.00395) |
| DI Yogyakarta | Transport injuries                                       | All | 937.8 (638.6, 1,333.9)   | 0.0005128 (0.0003492, 0.0007295) | 0.05954 (0.04390, 0.08121)   | 412.6 (261.4, 612.9)     | 0.0002212 (0.0001401, 0.0003286) | 0.02529 (0.01641, 0.03704) |
| DI Yogyakarta | Other unintentional injuries                             | All | 177.3 (105.9, 269.9)     | 0.0000969 (0.0000579, 0.0001476) | 0.01126 (0.00713, 0.01641)   | 83.4 (48.9, 129.0)       | 0.0000447 (0.0000262, 0.0000691) | 0.00512 (0.00308, 0.00784) |
| Jawa Timur    | Diarrheal diseases                                       | NN  | 57.0 (24.9, 100.2)       | 0.0022683 (0.0009895, 0.0039863) | 0.01327 (0.00893, 0.01841)   | 48.5 (22.3, 89.0)        | 0.001994 (0.0009170, 0.0036616)  | 0.01459 (0.01014, 0.02025) |
| Jawa Timur    | Lower respiratory infections                             | NN  | 423.7 (211.3, 676.7)     | 0.0168492 (0.0084022, 0.0269123) | 0.09879 (0.08070, 0.11756)   | 259.9 (133.2, 453.5)     | 0.0106891 (0.0054775, 0.0186475) | 0.07802 (0.06385, 0.09410) |
| Jawa Timur    | Malaria                                                  | NN  | 0.1 (0.0, 0.5)           | 0.0000045 (0.0000005, 0.0000190) | 0.00003 (0.000000, 0.000010) | 0.1 (0.0, 0.3)           | 0.0000028 (0.0000003, 0.0000116) | 0.00002 (0.00000, 0.00008) |
| Jawa Timur    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 1,035.4 (518.1, 1,661.9) | 0.0411753 (0.0206033, 0.0660883) | 0.24101 (0.20278, 0.28151)   | 702.4 (347.7, 1,189.7)   | 0.0288824 (0.0143000, 0.0489232) | 0.21095 (0.17402, 0.24854) |
| Jawa Timur    | Preterm birth complications                              | NN  | 1,613.9 (826.2, 2,495.1) | 0.0641796 (0.0328569, 0.0992223) | 0.37577 (0.32608, 0.42016)   | 1,411.7 (735.9, 2,299.5) | 0.058052 (0.0302619, 0.0945597)  | 0.42439 (0.37625, 0.46435) |
| Jawa Timur    | Other neonatal disorders                                 | NN  | 211.3 (80.1, 416.1)      | 0.0084043 (0.0031834, 0.0165476) | 0.04916 (0.02593, 0.07875)   | 135.0 (48.6, 286.0)      | 0.0055495 (0.0019993, 0.0117609) | 0.04059 (0.02035, 0.06619) |
| Jawa Timur    | Other communicable diseases                              | NN  | 61.4 (26.6, 111.9)       | 0.0024411 (0.0010593, 0.0044492) | 0.01428 (0.00947, 0.02048)   | 36.7 (16.5, 68.1)        | 0.001508 (0.0006793, 0.0028016)  | 0.01104 (0.00717, 0.01616) |
| Jawa Timur    | Other malignant neoplasms                                | NN  | 55.6 (23.5, 105.2)       | 0.0022114 (0.0009363, 0.0041840) | 0.01296 (0.00794, 0.01940)   | 45.3 (19.2, 87.8)        | 0.0018642 (0.0007907, 0.0036085) | 0.01365 (0.00815, 0.02115) |
| Jawa Timur    | Cerebrovascular disease                                  | NN  | 9.7 (2.4, 25.1)          | 0.000386 (0.0000952, 0.0009969)  | 0.00225 (0.00078, 0.00494)   | 10.2 (2.9, 25.2)         | 0.0004202 (0.0001206, 0.0010372) | 0.00311 (0.00108, 0.00682) |
| Jawa Timur    | Other cardiovascular and circulatory diseases            | NN  | 7.2 (1.7, 18.3)          | 0.0002857 (0.0000685, 0.0007273) | 0.00166 (0.00053, 0.00373)   | 7.3 (1.6, 18.7)          | 0.0003012 (0.0000647, 0.0007708) | 0.00219 (0.00069, 0.00499) |
| Jawa Timur    | Diabetes mellitus                                        | NN  | 3.0 (0.0, 22.2)          | 0.0001199 (0.0000005, 0.0008841) | 0.00067 (0.00000, 0.00510)   | 3.5 (0.0, 30.1)          | 0.0001431 (0.0000009, 0.0012362) | 0.00112 (0.00001, 0.00845) |
| Jawa Timur    | Other non-communicable diseases                          | NN  | 655.7 (331.4, 1,039.6)   | 0.0260771 (0.0131777, 0.0413422) | 0.15256 (0.13696, 0.16873)   | 611.8 (322.0, 997.0)     | 0.0251591 (0.0132433, 0.0409968) | 0.18394 (0.16626, 0.20266) |
| Jawa Timur    | Drowning                                                 | NN  | 28.4 (10.6, 57.1)        | 0.0011294 (0.0004219, 0.0022707) | 0.00666 (0.00347, 0.01155)   | 7.9 (2.7, 17.6)          | 0.0003245 (0.0001105, 0.0007230) | 0.00237 (0.00112, 0.00434) |
| Jawa Timur    | Falls                                                    | NN  | 18.4 (6.3, 38.7)         | 0.0007321 (0.0002521, 0.0015384) | 0.00429 (0.00211, 0.00736)   | 6.9 (2.3, 15.4)          | 0.0002844 (0.0000950, 0.0006330) | 0.00208 (0.00094, 0.00382) |
| Jawa Timur    | Interpersonal violence                                   | NN  | 7.7 (2.4, 17.0)          | 0.0003065 (0.0000946, 0.0006756) | 0.00182 (0.00078, 0.00372)   | 4.8 (1.4, 12.2)          | 0.000199 (0.0000585, 0.0005028)  | 0.00145 (0.00055, 0.00295) |
| Jawa Timur    | Transport injuries                                       | NN  | 35.7 (13.8, 68.1)        | 0.0014201 (0.0005489, 0.0027073) | 0.00834 (0.00484, 0.01322)   | 9.8 (3.9, 19.8)          | 0.0004013 (0.0001606, 0.0008139) | 0.00294 (0.00158, 0.00486) |
| Jawa Timur    | Other unintentional injuries                             | NN  | 70.7 (30.8, 129.0)       | 0.0028105 (0.0012234, 0.0051298) | 0.01648 (0.01059, 0.02490)   | 25.2 (10.8, 50.8)        | 0.001035 (0.0004423, 0.0020879)  | 0.00756 (0.00475, 0.01182) |
| Jawa Timur    | Diarrheal diseases                                       | PNN | 736.9 (366.4, 1,201.7)   | 0.0023477 (0.0011673, 0.0038287) | 0.24434 (0.20297, 0.29022)   | 732.3 (370.8, 1,213.6)   | 0.0024126 (0.0012215, 0.0039983) | 0.29282 (0.24799, 0.33841) |
| Jawa Timur    | HIV/AIDS                                                 | PNN | 92.6 (37.3, 180.5)       | 0.0002952 (0.0001189, 0.0005752) | 0.03068 (0.01709, 0.04975)   | 63.8 (24.4, 129.0)       | 0.0002103 (0.0000804, 0.0004250) | 0.0255 (0.01335, 0.04344)  |
| Jawa Timur    | Lower respiratory infections                             | PNN | 379.8 (193.4, 606.6)     | 0.0012102 (0.0006161, 0.0019327) | 0.12611 (0.10166, 0.15090)   | 262.2 (127.3, 450.8)     | 0.000864 (0.0004194, 0.0014853)  | 0.10464 (0.08307, 0.12595) |
| Jawa Timur    | Malaria                                                  | PNN | 1.4 (0.2, 5.6)           | 0.0000046 (0.0000005, 0.0000178) | 0.00047 (0.00006, 0.00162)   | 1.0 (0.1, 3.9)           | 0.0000033 (0.0000004, 0.0000128) | 0.0004 (0.00006, 0.00140)  |
| Jawa Timur    | Tuberculosis                                             | PNN | 58.8 (28.0, 102.8)       | 0.0001873 (0.0000893, 0.0003275) | 0.01954 (0.01305, 0.02755)   | 42.1 (18.0, 79.8)        | 0.0001386 (0.0000592, 0.0002630) | 0.01681 (0.01053, 0.02397) |
| Jawa Timur    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 31.4 (9.5, 76.2)         | 0.0001 (0.0000302, 0.0002427)    | 0.01046 (0.00379, 0.02316)   | 22.9 (6.3, 57.2)         | 0.0000755 (0.0000206, 0.0001886) | 0.00918 (0.00329, 0.02026) |
| Jawa Timur    | Preterm birth complications                              | PNN | 167.9 (61.9, 339.3)      | 0.0005349 (0.0001973, 0.0010809) | 0.05587 (0.02949, 0.09526)   | 183.7 (71.6, 358.6)      | 0.0006051 (0.0002360, 0.0011813) | 0.07348 (0.03888, 0.12078) |
| Jawa Timur    | Other neonatal disorders                                 | PNN | 23.1 (6.1, 57.5)         | 0.0000736 (0.0000196, 0.0001831) | 0.0077 (0.00252, 0.01803)    | 16.7 (4.3, 43.2)         | 0.0000549 (0.0000140, 0.0001422) | 0.00667 (0.00226, 0.01597) |
| Jawa Timur    | Other communicable diseases                              | PNN | 878.8 (434.2, 1,394.0)   | 0.0028 (0.0013833, 0.0044414)    | 0.29139 (0.24965, 0.33343)   | 615.9 (300.3, 1,045.9)   | 0.002029 (0.0009893, 0.0034457)  | 0.24601 (0.20525, 0.28941) |
| Jawa Timur    | Other malignant neoplasms                                | PNN | 37.1 (16.0, 69.9)        | 0.0001182 (0.0000509, 0.0002226) | 0.01231 (0.00755, 0.01844)   | 32.6 (14.5, 62.1)        | 0.0001075 (0.0000476, 0.0002045) | 0.01308 (0.00781, 0.02030) |
| Jawa Timur    | Cerebrovascular disease                                  | PNN | 6.4 (1.7, 15.4)          | 0.0000205 (0.0000053, 0.0000490) | 0.00214 (0.00073, 0.00471)   | 7.4 (2.1, 18.5)          | 0.0000244 (0.0000069, 0.0000609) | 0.00299 (0.00105, 0.00650) |
| Jawa Timur    | Ischemic heart disease                                   | PNN | 3.4 (0.2, 16.1)          | 0.0000109 (0.0000008, 0.0000512) | 0.00114 (0.00009, 0.00508)   | 4.0 (0.3, 18.4)          | 0.0000131 (0.0000009, 0.0000608) | 0.00158 (0.00013, 0.00700) |
| Jawa Timur    | Other cardiovascular and circulatory diseases            | PNN | 4.8 (1.2, 12.0)          | 0.0000152 (0.0000039, 0.0000384) | 0.00157 (0.00050, 0.00351)   | 5.3 (1.3, 13.6)          | 0.0000173 (0.0000043, 0.0000448) | 0.00209 (0.00065, 0.00471) |
| Jawa Timur    | Diabetes mellitus                                        | PNN | 1.9 (0.0, 15.4)          | 0.0000062 (0.0000000, 0.0000490) | 0.00064 (0.00000, 0.00491)   | 2.5 (0.0, 19.4)          | 0.0000083 (0.0000001, 0.0000639) | 0.00107 (0.00001, 0.00817) |
| Jawa Timur    | Chronic kidney disease                                   | PNN | 28.9 (11.4, 60.7)        | 0.0000921 (0.0000364, 0.0001933) | 0.00958 (0.00502, 0.01655)   | 26.3 (9.7, 54.8)         | 0.0000866 (0.0000321, 0.0001804) | 0.01045 (0.00548, 0.01793) |
| Jawa Timur    | Other non-communicable diseases                          | PNN | 433.7 (219.7, 678.9)     | 0.0013819 (0.0006999, 0.0021632) | 0.14387 (0.12834, 0.15955)   | 437.1 (219.2, 714.2)     | 0.0014402 (0.0007223, 0.0023529) | 0.17474 (0.15668, 0.19339) |
| Jawa Timur    | Drowning                                                 | PNN | 23.3 (9.1, 43.2)         | 0.000743 (0.0000289, 0.0001376)  | 0.00775 (0.00420, 0.01287)   | 7.0 (2.5, 15.1)          | 0.0000231 (0.0000083, 0.0000499) | 0.00278 (0.00139, 0.00492) |
| Jawa Timur    | Falls                                                    | PNN | 14.4 (5.7, 29.7)         | 0.000046 (0.0000182, 0.0000945)  | 0.00479 (0.00241, 0.00807)   | 5.8 (2.1, 12.4)          | 0.0000193 (0.0000068, 0.0000408) | 0.00234 (0.00109, 0.00415) |
| Jawa Timur    | Interpersonal violence                                   | PNN | 6.0 (2.0, 12.8)          | 0.000019 (0.0000064, 0.0000407)  | 0.00199 (0.00088, 0.00403)   | 4.0 (1.2, 9.2)           | 0.0000132 (0.0000041, 0.0000302) | 0.00159 (0.00063, 0.00319) |
| Jawa Timur    | Transport injuries                                       | PNN | 28.9 (11.9, 54.1)        | 0.0000919 (0.0000379, 0.0001725) | 0.00957 (0.00580, 0.01474)   | 8.5 (3.6, 17.0)          | 0.0000281 (0.0000120, 0.0000561) | 0.0034 (0.00191, 0.00544)  |
| Jawa Timur    | Other unintentional injuries                             | PNN | 54.4 (25.0, 97.2)        | 0.0001734 (0.0000796, 0.0003096) | 0.01809 (0.01217, 0.02649)   | 21.0 (9.3, 39.2)         | 0.0000691 (0.0000305, 0.0001292) | 0.00838 (0.00549, 0.01266) |
| Jawa Timur    | Diarrheal diseases                                       | 1   | 148.2 (58.8, 294.1)      | 0.0001119 (0.0000444, 0.0002220) | 0.13194 (0.10144, 0.16889)   | 152.1 (65.6, 291.5)      | 0.0001183 (0.0000510, 0.0002269) | 0.17465 (0.14017, 0.21699) |
| Jawa Timur    | HIV/AIDS                                                 | 1   | 44.5 (14.4, 101.8)       | 0.0000336 (0.0000109, 0.0000768) | 0.03961 (0.02207, 0.06576)   | 31.8 (11.5, 66.4)        | 0.0000247 (0.0000090, 0.0000517) | 0.03661 (0.01847, 0.06023) |
| Jawa Timur    | Lower respiratory infections                             | 1   | 178.6 (71.0, 360.9)      | 0.0001348 (0.0000536, 0.0002724) | 0.15881 (0.12938, 0.18821)   | 128.0 (54.7, 245.7)      | 0.0000996 (0.0000426, 0.0001912) | 0.14694 (0.11598, 0.17812) |
| Jawa Timur    | Malaria                                                  | 1   | 0.2 (0.0, 0.9)           | 0.0000002 (0.0000000, 0.0000007) | 0.00021 (0.00003, 0.00071)   | 0.2 (0.0, 4.7)           | 0.0000001 (0.0000000, 0.0000005) | 0.00019 (0.00003, 0.00067) |
| Jawa Timur    | Tuberculosis                                             | 1   | 30.0 (11.5, 63.0)        | 0.0000226 (0.0000087, 0.0000475) | 0.02661 (0.01846, 0.03635)   | 22.2 (8.4, 44.4)         | 0.0000173 (0.0000066, 0.0000346) | 0.0255 (0.01659, 0.03603)  |
| Jawa Timur    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 7.5 (1.6, 21.4)          | 0.0000057 (0.0000012, 0.0000161) | 0.00661 (0.00222, 0.01464)   | 5.4 (1.3, 15.3)          | 0.0000042 (0.0000010, 0.0000119) | 0.00611 (0.00206, 0.01389) |
| Jawa Timur    | Preterm birth complications                              | 1   | 7.8 (1.3, 23.9)          | 0.0000059 (0.0000010, 0.0000180) | 0.00698 (0.00170, 0.02084)   | 8.4 (1.4, 25.3)          | 0.0000065 (0.0000011, 0.0000197) | 0.00973 (0.00237, 0.02837) |
| Jawa Timur    | Other neonatal disorders                                 | 1   | 0.9 (0.0, 6.2)           | 0.0000006 (0.0000000, 0.0000047) | 0.00074 (0.00001, 0.00547)   | 0.6 (0.0, 4.6)           | 0.0000005 (0.0000000, 0.0000035) | 0.00067 (0.00001, 0.00498) |
| Jawa Timur    | Other communicable diseases                              | 1   | 376.6 (153.9, 762.9)     | 0.0002843 (0.0001162, 0.0005759) | 0.33506 (0.29042, 0.37913)   | 278.4 (127.5, 535.6)     | 0.0002167 (0.0000992, 0.0004168) | 0.32024 (0.27026, 0.36581) |
| Jawa Timur    | Other malignant neoplasms                                | 1   | 12.1 (4.4, 26.7)         | 0.0000091 (0.0000033, 0.0000202) | 0.0108 (0.00652, 0.01629)    | 11.5 (4.4, 25.0)         | 0.0000089 (0.0000034, 0.0000194) | 0.01317 (0.00793, 0.02058) |
| Jawa Timur    | Cerebrovascular disease                                  | 1   | 2.3 (0.6, 6.3)           | 0.0000017 (0.0000004, 0.0000048) | 0.00205 (0.00068, 0.00454)   | 2.8 (0.8, 7.6)           | 0.0000022 (0.0000006, 0.0000059) | 0.00328 (0.00112, 0.00733) |
| Jawa Timur    | Ischemic heart disease                                   | 1   | 1.3 (0.1, 6.0)           | 0.0000009 (0.0000001, 0.0000045) | 0.00111 (0.00009, 0.00495)   | 1.6 (0.1, 7.1)           | 0.0000012 (0.0000001, 0.0000055) | 0.00177 (0.00014, 0.00768) |
| Jawa Timur    | Other cardiovascular and circulatory diseases            | 1   | 1.6 (0.4, 4.1)           | 0.0000012 (0.0000003, 0.0000031) | 0.00142 (0.00042, 0.00315)   | 1.9 (0.4, 4.7)           | 0.0000015 (0.0000003, 0.0000037) | 0.00215 (0.00067, 0.00484) |
| Jawa Timur    | Diabetes mellitus                                        | 1   | 0.7 (0.0, 5.2)           | 0.0000005 (0.0000000, 0.0000040) | 0.00057 (0.00000, 0.00422)   | 0.9 (0.0, 7.7)           | 0.0000007 (0.0000000, 0.0000060) | 0.00109 (0.00001, 0.00833) |
| Jawa Timur    | Chronic kidney disease                                   | 1   | 9.1 (3.0, 21.3)          | 0.0000069 (0.0000023, 0.0000160) | 0.00813 (0.00423, 0.01406)   | 8.9 (3.3, 20.6)          | 0.0000069 (0.0000026, 0.0000160) | 0.01017 (0.00534, 0.01755) |
| Jawa Timur    | Cirrhosis                                                | 1   | 13.0 (4.1, 31.3)         | 0.0000098 (0.0000031, 0.0000236) | 0.01158 (0.00522, 0.02156)   | 7.0 (2.3, 16.5)          | 0.0000055 (0.0000018, 0.0000128) | 0.00806 (0.00355, 0.01569) |



Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Timur | Chronic respiratory diseases                  | 1   | 19.3 (6.1, 44.4)     | 0.000146 (0.000046, 0.000335)    | 0.01718 (0.00821, 0.02868)  | 7.8 (2.4, 17.9)      | 0.000061 (0.000019, 0.000139)    | 0.00894 (0.00417, 0.01656) |
| Jawa Timur | Other non-communicable diseases               | 1   | 141.8 (58.7, 280.5)  | 0.000107 (0.0000443, 0.0002117)  | 0.12636 (0.10726, 0.14778)  | 153.0 (70.3, 290.6)  | 0.0001191 (0.0000547, 0.0002261) | 0.17605 (0.15245, 0.19952) |
| Jawa Timur | Drowning                                      | 1   | 31.7 (11.0, 69.0)    | 0.0000239 (0.0000083, 0.0000521) | 0.02823 (0.01584, 0.04349)  | 9.9 (3.5, 21.8)      | 0.0000077 (0.0000028, 0.0000170) | 0.01148 (0.00592, 0.01920) |
| Jawa Timur | Falls                                         | 1   | 13.5 (4.6, 30.7)     | 0.0000102 (0.0000035, 0.0000231) | 0.01204 (0.00674, 0.01987)  | 5.8 (2.0, 12.9)      | 0.0000045 (0.0000016, 0.0000100) | 0.00662 (0.00334, 0.01153) |
| Jawa Timur | Interpersonal violence                        | 1   | 4.6 (1.4, 11.5)      | 0.0000035 (0.0000010, 0.0000087) | 0.0041 (0.00182, 0.00784)   | 3.2 (1.0, 7.5)       | 0.0000025 (0.0000007, 0.0000058) | 0.0037 (0.00160, 0.00695)  |
| Jawa Timur | Transport injuries                            | 1   | 34.7 (12.8, 77.3)    | 0.0000262 (0.0000097, 0.0000584) | 0.03078 (0.01916, 0.04440)  | 10.8 (4.1, 23.0)     | 0.0000084 (0.0000032, 0.0000179) | 0.01243 (0.00744, 0.01898) |
| Jawa Timur | Other unintentional injuries                  | 1   | 43.9 (16.1, 93.0)    | 0.0000332 (0.0000122, 0.0000702) | 0.03909 (0.02681, 0.05503)  | 17.8 (7.0, 37.2)     | 0.0000138 (0.0000054, 0.0000289) | 0.02044 (0.01311, 0.03021) |
| Jawa Timur | Diarrheal diseases                            | 5   | 96.3 (65.7, 136.8)   | 0.0000564 (0.0000385, 0.0000801) | 0.09139 (0.06858, 0.11780)  | 96.5 (69.4, 130.0)   | 0.0000595 (0.0000428, 0.0000802) | 0.12864 (0.09900, 0.16244) |
| Jawa Timur | HIV/AIDS                                      | 5   | 20.8 (7.4, 44.4)     | 0.0000122 (0.0000043, 0.0000260) | 0.01973 (0.00721, 0.04035)  | 14.4 (5.4, 28.6)     | 0.0000089 (0.0000034, 0.0000176) | 0.01911 (0.00723, 0.03806) |
| Jawa Timur | Lower respiratory infections                  | 5   | 76.8 (49.5, 110.1)   | 0.000045 (0.0000290, 0.0000645)  | 0.07287 (0.05154, 0.09547)  | 53.4 (35.0, 76.5)    | 0.000033 (0.0000216, 0.0000471)  | 0.07119 (0.05022, 0.09465) |
| Jawa Timur | Malaria                                       | 5   | 0.1 (0.0, 0.5)       | 0.0000001 (0.0000000, 0.0000003) | 0.00014 (0.00002, 0.00044)  | 0.1 (0.0, 0.3)       | 0.0000001 (0.0000000, 0.0000002) | 0.00014 (0.00002, 0.00045) |
| Jawa Timur | Tuberculosis                                  | 5   | 18.6 (11.5, 29.1)    | 0.0000109 (0.0000067, 0.0000170) | 0.0176 (0.01136, 0.02530)   | 13.4 (8.1, 20.2)     | 0.0000082 (0.0000050, 0.0000125) | 0.01779 (0.01126, 0.02579) |
| Jawa Timur | Other communicable diseases                   | 5   | 242.1 (179.8, 323.3) | 0.0001418 (0.0001053, 0.0001894) | 0.22978 (0.19702, 0.26689)  | 174.9 (135.1, 225.2) | 0.0001078 (0.0000833, 0.0001388) | 0.23306 (0.19352, 0.27317) |
| Jawa Timur | Other malignant neoplasms                     | 5   | 64.8 (40.3, 96.6)    | 0.000038 (0.0000236, 0.0000566)  | 0.0615 (0.04319, 0.08599)   | 60.8 (41.3, 86.3)    | 0.0000375 (0.0000255, 0.0000532) | 0.08099 (0.05743, 0.10968) |
| Jawa Timur | Cerebrovascular disease                       | 5   | 8.5 (4.1, 15.6)      | 0.000005 (0.0000024, 0.0000091)  | 0.0081 (0.00415, 0.01429)   | 10.4 (5.5, 18.1)     | 0.0000064 (0.0000034, 0.0000111) | 0.01382 (0.00725, 0.02247) |
| Jawa Timur | Ischemic heart disease                        | 5   | 5.2 (2.0, 10.5)      | 0.0000031 (0.0000012, 0.0000062) | 0.00495 (0.00207, 0.00976)  | 6.3 (2.6, 12.2)      | 0.0000039 (0.0000016, 0.0000075) | 0.00843 (0.00363, 0.01562) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 5   | 6.6 (2.9, 13.4)      | 0.0000039 (0.0000017, 0.0000078) | 0.00624 (0.00295, 0.01196)  | 7.5 (3.7, 14.1)      | 0.0000046 (0.0000023, 0.0000087) | 0.01002 (0.00520, 0.01861) |
| Jawa Timur | Diabetes mellitus                             | 5   | 6.7 (2.7, 14.5)      | 0.0000039 (0.0000016, 0.0000085) | 0.00639 (0.00263, 0.01383)  | 10.1 (4.3, 20.9)     | 0.0000061 (0.0000027, 0.0000129) | 0.01351 (0.00592, 0.02870) |
| Jawa Timur | Chronic kidney disease                        | 5   | 17.0 (8.8, 30.8)     | 0.00001 (0.0000051, 0.0000180)   | 0.01614 (0.00889, 0.02758)  | 16.4 (9.1, 27.0)     | 0.0000101 (0.0000056, 0.0000167) | 0.02188 (0.01258, 0.03512) |
| Jawa Timur | Cirrhosis                                     | 5   | 30.9 (17.4, 52.5)    | 0.0000181 (0.0000102, 0.0000307) | 0.02926 (0.01773, 0.04460)  | 16.7 (9.7, 27.2)     | 0.0000103 (0.0000060, 0.0000168) | 0.02225 (0.01323, 0.03399) |
| Jawa Timur | Chronic respiratory diseases                  | 5   | 13.6 (6.7, 23.9)     | 0.000008 (0.0000039, 0.0000140)  | 0.01291 (0.00707, 0.02178)  | 5.4 (2.6, 9.4)       | 0.0000033 (0.0000016, 0.0000058) | 0.00716 (0.00368, 0.01229) |
| Jawa Timur | Other non-communicable diseases               | 5   | 114.9 (79.7, 158.0)  | 0.0000673 (0.0000467, 0.0000925) | 0.10891 (0.08577, 0.13432)  | 122.8 (90.5, 160.8)  | 0.0000757 (0.0000558, 0.0000992) | 0.16358 (0.13206, 0.19615) |
| Jawa Timur | Drowning                                      | 5   | 126.5 (79.4, 188.6)  | 0.0000741 (0.0000465, 0.0001105) | 0.11996 (0.08056, 0.16016)  | 50.8 (31.0, 75.0)    | 0.0000313 (0.0000191, 0.0000462) | 0.06759 (0.04327, 0.09650) |
| Jawa Timur | Falls                                         | 5   | 26.4 (14.9, 44.6)    | 0.0000155 (0.0000087, 0.0000261) | 0.02502 (0.01512, 0.03923)  | 13.6 (7.8, 23.5)     | 0.0000084 (0.0000048, 0.0000145) | 0.01809 (0.01062, 0.02879) |
| Jawa Timur | Interpersonal violence                        | 5   | 4.1 (1.7, 8.9)       | 0.0000024 (0.0000010, 0.0000052) | 0.00386 (0.00159, 0.00832)  | 3.4 (1.5, 6.8)       | 0.0000021 (0.0000009, 0.0000044) | 0.00457 (0.00203, 0.00903) |
| Jawa Timur | Transport injuries                            | 5   | 129.2 (86.1, 185.4)  | 0.0000757 (0.0000504, 0.0001086) | 0.1227 (0.08879, 0.15970)   | 51.6 (33.9, 74.1)    | 0.0000318 (0.0000209, 0.0000457) | 0.06877 (0.04788, 0.09449) |
| Jawa Timur | Other unintentional injuries                  | 5   | 44.9 (26.4, 70.4)    | 0.0000263 (0.0000155, 0.0000412) | 0.04254 (0.02782, 0.06173)  | 22.1 (13.4, 33.9)    | 0.0000136 (0.0000082, 0.0000209) | 0.0294 (0.01899, 0.04314)  |
| Jawa Timur | Diarrheal diseases                            | 10  | 53.1 (35.8, 75.4)    | 0.0000307 (0.0000207, 0.0000436) | 0.04657 (0.03272, 0.06386)  | 40.564 (30.6, 63.1)  | 0.0000276 (0.0000187, 0.0000386) | 0.06564 (0.04613, 0.08829) |
| Jawa Timur | HIV/AIDS                                      | 10  | 22.7 (11.4, 40.4)    | 0.0000131 (0.0000066, 0.0000234) | 0.01993 (0.01037, 0.03544)  | 13.4 (6.6, 23.8)     | 0.0000082 (0.0000041, 0.0000146) | 0.0196 (0.01000, 0.03330)  |
| Jawa Timur | Lower respiratory infections                  | 10  | 53.0 (35.9, 73.6)    | 0.0000307 (0.0000208, 0.0000426) | 0.0465 (0.03342, 0.06243)   | 30.4 (21.1, 43.0)    | 0.0000186 (0.0000129, 0.0000263) | 0.04426 (0.03133, 0.05972) |
| Jawa Timur | Malaria                                       | 10  | 0.3 (0.1, 1.1)       | 0.0000002 (0.0000000, 0.0000006) | 0.0003 (0.00005, 0.00092)   | 0.2 (0.0, 0.7)       | 0.0000001 (0.0000000, 0.0000004) | 0.00031 (0.00005, 0.00102) |
| Jawa Timur | Tuberculosis                                  | 10  | 48.0 (33.1, 66.6)    | 0.0000277 (0.0000191, 0.0000385) | 0.04205 (0.02985, 0.05540)  | 29.7 (20.3, 41.4)    | 0.0000182 (0.0000124, 0.0000253) | 0.04334 (0.03065, 0.05753) |
| Jawa Timur | Maternal disorders                            | 10  |                      |                                  |                             | 4.5 (0.8, 11.7)      | 0.0000027 (0.0000005, 0.0000071) | 0.00649 (0.00112, 0.01647) |
| Jawa Timur | Other communicable diseases                   | 10  | 202.2 (158.7, 257.6) | 0.000117 (0.0000918, 0.0001490)  | 0.17717 (0.15004, 0.20689)  | 119.5 (93.3, 151.2)  | 0.0000732 (0.0000571, 0.0000926) | 0.17408 (0.14525, 0.20657) |
| Jawa Timur | Other malignant neoplasms                     | 10  | 101.4 (75.3, 135.0)  | 0.0000587 (0.0000436, 0.0000781) | 0.08886 (0.07028, 0.11127)  | 84.2 (63.8, 109.9)   | 0.0000516 (0.0000391, 0.0000673) | 0.12271 (0.09762, 0.15003) |
| Jawa Timur | Cerebrovascular disease                       | 10  | 15.3 (9.4, 23.3)     | 0.0000088 (0.0000054, 0.0000135) | 0.0134 (0.00863, 0.02024)   | 15.1 (9.3, 22.5)     | 0.0000093 (0.0000057, 0.0000138) | 0.02204 (0.01394, 0.03184) |
| Jawa Timur | Ischemic heart disease                        | 10  | 14.2 (8.7, 22.2)     | 0.0000082 (0.0000050, 0.0000128) | 0.01242 (0.00782, 0.01861)  | 13.9 (8.7, 21.0)     | 0.0000085 (0.0000053, 0.0000128) | 0.02024 (0.01320, 0.02956) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 10  | 10.8 (6.1, 17.7)     | 0.0000062 (0.0000035, 0.0000103) | 0.00945 (0.00549, 0.01496)  | 10.4 (6.2, 16.9)     | 0.0000064 (0.0000038, 0.0000104) | 0.01515 (0.00909, 0.02377) |
| Jawa Timur | Diabetes mellitus                             | 10  | 10.5 (5.8, 17.4)     | 0.0000061 (0.0000034, 0.0000100) | 0.00924 (0.00528, 0.01502)  | 13.5 (7.6, 21.8)     | 0.0000083 (0.0000047, 0.0000134) | 0.01974 (0.01146, 0.03100) |
| Jawa Timur | Chronic kidney disease                        | 10  | 26.4 (17.0, 38.0)    | 0.0000153 (0.0000098, 0.0000220) | 0.0231 (0.01588, 0.03221)   | 21.9 (14.4, 31.7)    | 0.0000134 (0.0000088, 0.0000194) | 0.03188 (0.02158, 0.04447) |
| Jawa Timur | Cirrhosis                                     | 10  | 38.6 (26.3, 54.9)    | 0.0000223 (0.0000152, 0.0000317) | 0.03385 (0.02415, 0.04561)  | 17.4 (11.4, 25.5)    | 0.0000107 (0.0000070, 0.0000156) | 0.0254 (0.01768, 0.03517)  |
| Jawa Timur | Chronic respiratory diseases                  | 10  | 28.3 (17.5, 42.1)    | 0.0000164 (0.0000101, 0.0000244) | 0.02482 (0.01605, 0.03565)  | 10.2 (6.1, 15.9)     | 0.0000062 (0.0000037, 0.0000098) | 0.01485 (0.00913, 0.02291) |
| Jawa Timur | Other non-communicable diseases               | 10  | 146.3 (114.2, 186.2) | 0.0000846 (0.0000661, 0.0001077) | 0.12823 (0.10881, 0.14979)  | 128.7 (103.0, 159.0) | 0.0000788 (0.0000631, 0.0000973) | 0.18744 (0.16121, 0.21774) |
| Jawa Timur | Drowning                                      | 10  | 68.0 (41.9, 102.3)   | 0.0000394 (0.0000243, 0.0000592) | 0.0596 (0.03798, 0.08751)   | 19.7 (10.7, 33.2)    | 0.0000121 (0.0000066, 0.0000203) | 0.02866 (0.01622, 0.04782) |
| Jawa Timur | Falls                                         | 10  | 24.8 (14.2, 41.8)    | 0.0000143 (0.0000082, 0.0000242) | 0.02171 (0.01319, 0.03486)  | 9.6 (5.5, 16.9)      | 0.0000059 (0.0000034, 0.0000104) | 0.01405 (0.00821, 0.02401) |
| Jawa Timur | Interpersonal violence                        | 10  | 6.9 (3.9, 12.2)      | 0.000004 (0.0000023, 0.0000071)  | 0.00603 (0.00350, 0.01025)  | 4.7 (2.6, 7.9)       | 0.0000029 (0.0000016, 0.0000048) | 0.00686 (0.00395, 0.01112) |
| Jawa Timur | Self-harm                                     | 10  | 14.5 (6.7, 27.3)     | 0.0000084 (0.0000039, 0.0000158) | 0.01273 (0.00606, 0.02340)  | 8.6 (4.1, 15.4)      | 0.0000052 (0.0000025, 0.0000095) | 0.01246 (0.00629, 0.02214) |
| Jawa Timur | Transport injuries                            | 10  | 207.8 (157.6, 271.4) | 0.0001202 (0.0000912, 0.0001570) | 0.18203 (0.14933, 0.21713)  | 67.1 (48.4, 90.2)    | 0.0000411 (0.0000296, 0.0000552) | 0.09777 (0.07530, 0.12447) |
| Jawa Timur | Other unintentional injuries                  | 10  | 48.0 (32.1, 70.7)    | 0.0000277 (0.0000186, 0.0000409) | 0.04199 (0.02948, 0.05913)  | 18.6 (12.5, 28.4)    | 0.0000114 (0.0000076, 0.0000174) | 0.02702 (0.01888, 0.03820) |
| Jawa Timur | Diarrheal diseases                            | 15  | 45.5 (26.6, 69.5)    | 0.0000288 (0.0000168, 0.0000440) | 0.02178 (0.01355, 0.03195)  | 23.4 (14.2, 35.5)    | 0.0000152 (0.0000092, 0.0000230) | 0.02599 (0.01606, 0.03804) |
| Jawa Timur | HIV/AIDS                                      | 15  | 29.0 (13.5, 56.8)    | 0.0000184 (0.0000086, 0.0000360) | 0.01393 (0.00629, 0.02571)  | 10.5 (4.7, 20.6)     | 0.0000068 (0.0000030, 0.0000134) | 0.01168 (0.00540, 0.02250) |
| Jawa Timur | Lower respiratory infections                  | 15  | 35.5 (23.3, 52.1)    | 0.0000225 (0.0000147, 0.0000330) | 0.01699 (0.01197, 0.02359)  | 11.8 (7.6, 18.0)     | 0.0000076 (0.0000049, 0.0000116) | 0.01307 (0.00864, 0.01897) |
| Jawa Timur | Malaria                                       | 15  | 1.3 (0.2, 4.2)       | 0.0000008 (0.0000001, 0.0000027) | 0.00063 (0.000011, 0.00197) | 0.5 (0.1, 1.5)       | 0.0000003 (0.0000000, 0.0000010) | 0.00052 (0.00008, 0.00166) |
| Jawa Timur | Tuberculosis                                  | 15  | 123.5 (88.5, 167.6)  | 0.0000782 (0.0000561, 0.0001062) | 0.05916 (0.04575, 0.07375)  | 39.9 (28.5, 54.5)    | 0.0000258 (0.0000185, 0.0000353) | 0.0443 (0.03287, 0.05727)  |
| Jawa Timur | Maternal disorders                            | 15  |                      |                                  |                             | 42.6 (27.4, 62.5)    | 0.0000276 (0.0000177, 0.0000405) | 0.04731 (0.03178, 0.06793) |
| Jawa Timur | Other communicable diseases                   | 15  | 213.4 (155.9, 279.9) | 0.0001352 (0.0000987, 0.0001773) | 0.10221 (0.08341, 0.12059)  | 76.6 (58.0, 98.2)    | 0.0000496 (0.0000375, 0.0000636) | 0.08509 (0.06715, 0.10510) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 15  | 19.3 (8.5, 36.3)     | 0.0000122 (0.0000054, 0.0000230) | 0.00924 (0.00419, 0.01654)  | 4.4 (1.7, 8.7)       | 0.0000029 (0.0000011, 0.0000056) | 0.00491 (0.00186, 0.00941) |
| Jawa Timur | Breast cancer                                 | 15  | 0.6 (0.1, 2.2)       | 0.0000004 (0.0000001, 0.0000014) | 0.00029 (0.00005, 0.00106)  | 11.2 (3.9, 23.4)     | 0.0000073 (0.0000025, 0.0000151) | 0.01248 (0.00436, 0.02653) |
| Jawa Timur | Cervical cancer                               | 15  |                      |                                  |                             | 9.2 (3.3, 19.3)      | 0.000006 (0.0000021, 0.0000125)  | 0.01025 (0.00371, 0.02112) |
| Jawa Timur | Other malignant neoplasms                     | 15  | 149.5 (107.9, 198.8) | 0.0000947 (0.0000683, 0.0001259) | 0.07158 (0.05807, 0.08738)  | 104.4 (78.8, 135.4)  | 0.0000676 (0.0000510, 0.0000876) | 0.11585 (0.09117, 0.14239) |
| Jawa Timur | Cerebrovascular disease                       | 15  | 38.8 (23.7, 58.0)    | 0.0000246 (0.0000150, 0.0000367) | 0.01861 (0.01226, 0.02694)  | 24.5 (14.9, 37.2)    | 0.0000159 (0.0000097, 0.0000241) | 0.02722 (0.01708, 0.04028) |
| Jawa Timur | Ischemic heart disease                        | 15  | 64.6 (42.1, 88.9)    | 0.0000409 (0.0000267, 0.0000563) | 0.03092 (0.02229, 0.04073)  | 32.3 (22.3, 46.1)    | 0.0000209 (0.0000144, 0.0000298) | 0.03586 (0.02524, 0.04897) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                |                                  |                              | Females              |                                    |                            |
|------------|-----------------------------------------------|-----|----------------------|----------------------------------|------------------------------|----------------------|------------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)      | CSMR (95% UI)                      | CF (95% UI)                |
| Jawa Timur | Other cardiovascular and circulatory diseases | 15  | 22.8 (12.2, 37.5)    | 0.0000144 (0.0000077, 0.0000237) | 0.0109 (0.00623, 0.01739)    | 15.5 (8.5, 25.6)     | 0.0000101 (0.0000055, 0.0000166)   | 0.01724 (0.00954, 0.02773) |
| Jawa Timur | Diabetes mellitus                             | 15  | 22.7 (12.3, 38.6)    | 0.0000144 (0.0000078, 0.0000245) | 0.01086 (0.00632, 0.01739)   | 20.8 (11.6, 34.4)    | 0.0000135 (0.0000075, 0.0000223)   | 0.02311 (0.01320, 0.03703) |
| Jawa Timur | Chronic kidney disease                        | 15  | 52.4 (33.7, 78.2)    | 0.0000332 (0.0000214, 0.0000496) | 0.02507 (0.01713, 0.03536)   | 30.7 (20.0, 45.0)    | 0.0000199 (0.0000129, 0.0000291)   | 0.03408 (0.02284, 0.04911) |
| Jawa Timur | Cirrhosis                                     | 15  | 62.9 (41.1, 91.6)    | 0.0000399 (0.0000260, 0.0000580) | 0.03018 (0.02093, 0.04235)   | 21.1 (13.5, 32.3)    | 0.0000137 (0.0000088, 0.0000209)   | 0.02343 (0.01562, 0.03448) |
| Jawa Timur | Chronic respiratory diseases                  | 15  | 30.7 (18.3, 48.6)    | 0.0000194 (0.0000116, 0.0000308) | 0.01467 (0.00966, 0.02144)   | 10.0 (5.8, 15.8)     | 0.0000064 (0.0000037, 0.0000102)   | 0.01106 (0.00655, 0.01736) |
| Jawa Timur | Other non-communicable diseases               | 15  | 237.1 (175.5, 303.8) | 0.0001502 (0.0001112, 0.0001924) | 0.11351 (0.09531, 0.13306)   | 139.4 (109.5, 173.3) | 0.0000902 (0.0000709, 0.0001122)   | 0.15471 (0.12963, 0.18398) |
| Jawa Timur | Drowning                                      | 15  | 43.1 (23.8, 69.0)    | 0.0000273 (0.0000151, 0.0000437) | 0.02065 (0.01194, 0.03120)   | 10.0 (5.2, 16.4)     | 0.0000065 (0.0000034, 0.0000106)   | 0.01106 (0.00580, 0.01797) |
| Jawa Timur | Falls                                         | 15  | 28.2 (17.2, 44.3)    | 0.0000178 (0.0000109, 0.0000281) | 0.01349 (0.00881, 0.01989)   | 8.7 (5.1, 14.1)      | 0.0000056 (0.0000033, 0.0000091)   | 0.00964 (0.00580, 0.01546) |
| Jawa Timur | Interpersonal violence                        | 15  | 20.5 (12.4, 32.2)    | 0.0000113 (0.0000078, 0.0000204) | 0.00983 (0.00646, 0.01469)   | 10.1 (6.0, 16.4)     | 0.0000065 (0.0000039, 0.0000106)   | 0.01116 (0.00685, 0.01735) |
| Jawa Timur | Self-harm                                     | 15  | 37.2 (20.2, 60.7)    | 0.0000236 (0.0000128, 0.0000385) | 0.0178 (0.01058, 0.02785)    | 15.4 (8.6, 26.2)     | 0.00001 (0.0000056, 0.0000169)     | 0.01709 (0.00980, 0.02883) |
| Jawa Timur | Transport injuries                            | 15  | 720.8 (557.4, 884.3) | 0.0004566 (0.0003531, 0.0005601) | 0.345 (0.31682, 0.37252)     | 202.1 (164.1, 244.0) | 0.0001308 (0.0001063, 0.0001579)   | 0.22437 (0.19595, 0.25444) |
| Jawa Timur | Other unintentional injuries                  | 15  | 89.1 (62.2, 123.2)   | 0.0000564 (0.0000394, 0.0000781) | 0.04269 (0.03267, 0.05506)   | 25.7 (17.6, 35.9)    | 0.0000166 (0.0000114, 0.0000233)   | 0.02851 (0.02043, 0.03900) |
| Jawa Timur | Diarrheal diseases                            | 20  | 44.5 (26.7, 69.8)    | 0.0000309 (0.0000185, 0.0000484) | 0.01846 (0.01227, 0.02709)   | 24.3 (15.4, 36.0)    | 0.0000161 (0.0000102, 0.0000238)   | 0.02381 (0.01566, 0.03426) |
| Jawa Timur | HIV/AIDS                                      | 20  | 93.2 (56.7, 143.8)   | 0.0000646 (0.0000393, 0.0000997) | 0.03873 (0.02471, 0.05741)   | 34.7 (21.2, 53.1)    | 0.000023 (0.0000140, 0.0000351)    | 0.03394 (0.02166, 0.04989) |
| Jawa Timur | Lower respiratory infections                  | 20  | 33.1 (21.2, 51.1)    | 0.000023 (0.0000147, 0.0000355)  | 0.01374 (0.00960, 0.01908)   | 10.1 (6.4, 15.0)     | 0.0000067 (0.0000042, 0.0000099)   | 0.0099 (0.00656, 0.01428)  |
| Jawa Timur | Malaria                                       | 20  | 1.7 (0.3, 5.4)       | 0.0000012 (0.0000002, 0.0000037) | 0.00069 (0.000012, 0.000225) | 0.6 (0.1, 2.1)       | 0.0000004 (0.0000001, 0.0000014)   | 0.00062 (0.00010, 0.00201) |
| Jawa Timur | Tuberculosis                                  | 20  | 249.1 (182.2, 330.7) | 0.0001728 (0.0001264, 0.0002294) | 0.10347 (0.08365, 0.12351)   | 72.0 (51.6, 93.9)    | 0.0000476 (0.0000341, 0.0000621)   | 0.07037 (0.05508, 0.08803) |
| Jawa Timur | Maternal disorders                            | 20  |                      |                                  |                              | 46.3 (31.3, 66.2)    | 0.0000306 (0.0000207, 0.0000438)   | 0.04527 (0.03195, 0.06265) |
| Jawa Timur | Other communicable diseases                   | 20  | 268.0 (193.0, 361.4) | 0.0001859 (0.0001339, 0.0002507) | 0.11119 (0.09314, 0.13114)   | 102.0 (78.1, 129.7)  | 0.0000674 (0.0000517, 0.0000858)   | 0.09973 (0.08027, 0.11921) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 20  | 18.9 (7.9, 37.7)     | 0.0000131 (0.0000055, 0.0000262) | 0.00786 (0.00335, 0.01517)   | 6.8 (2.9, 12.8)      | 0.0000045 (0.0000019, 0.0000085)   | 0.0066 (0.00299, 0.01193)  |
| Jawa Timur | Breast cancer                                 | 20  | 0.9 (0.2, 2.4)       | 0.0000006 (0.0000002, 0.0000016) | 0.00039 (0.00010, 0.00100)   | 36.8 (22.1, 56.1)    | 0.0000244 (0.0000146, 0.0000371)   | 0.03604 (0.02198, 0.05434) |
| Jawa Timur | Cervical cancer                               | 20  |                      |                                  |                              | 19.8 (10.1, 34.7)    | 0.0000131 (0.0000067, 0.0000229)   | 0.01933 (0.00986, 0.03327) |
| Jawa Timur | Other malignant neoplasms                     | 20  | 144.8 (104.8, 197.2) | 0.0001004 (0.0000727, 0.0001368) | 0.06009 (0.04931, 0.07266)   | 120.8 (92.2, 156.7)  | 0.0000799 (0.0000609, 0.0001036)   | 0.11817 (0.09500, 0.14603) |
| Jawa Timur | Cerebrovascular disease                       | 20  | 76.6 (53.5, 105.0)   | 0.0000531 (0.0000371, 0.0000728) | 0.03179 (0.02487, 0.04002)   | 40.2 (29.7, 53.8)    | 0.0000266 (0.0000197, 0.0000356)   | 0.03933 (0.02970, 0.05047) |
| Jawa Timur | Ischemic heart disease                        | 20  | 125.5 (89.1, 175.1)  | 0.000087 (0.0000618, 0.0001215)  | 0.05206 (0.04151, 0.06444)   | 41.1 (30.6, 54.7)    | 0.0000272 (0.0000202, 0.0000362)   | 0.0402 (0.03074, 0.05103)  |
| Jawa Timur | Other cardiovascular and circulatory diseases | 20  | 36.0 (23.8, 53.9)    | 0.000025 (0.0000165, 0.0000374)  | 0.01493 (0.01055, 0.01999)   | 23.6 (16.4, 33.2)    | 0.0000156 (0.0000108, 0.0000219)   | 0.02306 (0.01658, 0.03101) |
| Jawa Timur | Diabetes mellitus                             | 20  | 22.9 (13.5, 35.9)    | 0.0000159 (0.0000094, 0.0000249) | 0.00951 (0.00593, 0.01374)   | 20.0 (12.4, 31.5)    | 0.0000133 (0.0000082, 0.0000208)   | 0.01958 (0.01246, 0.02909) |
| Jawa Timur | Chronic kidney disease                        | 20  | 85.3 (58.8, 119.4)   | 0.0000592 (0.0000408, 0.0000828) | 0.03542 (0.02675, 0.04546)   | 47.5 (34.0, 64.3)    | 0.0000314 (0.0000225, 0.0000425)   | 0.04642 (0.03487, 0.06032) |
| Jawa Timur | Cirrhosis                                     | 20  | 103.9 (70.6, 145.5)  | 0.0000721 (0.0000489, 0.0001010) | 0.04311 (0.03282, 0.05433)   | 33.0 (22.8, 45.2)    | 0.00000128 (0.00000151, 0.0000299) | 0.03228 (0.02338, 0.04270) |
| Jawa Timur | Chronic respiratory diseases                  | 20  | 63.3 (41.6, 92.0)    | 0.0000439 (0.0000288, 0.0000638) | 0.02627 (0.01901, 0.03460)   | 24.7 (16.4, 35.3)    | 0.0000164 (0.0000109, 0.0000233)   | 0.0242 (0.01677, 0.03333)  |
| Jawa Timur | Other non-communicable diseases               | 20  | 237.3 (173.3, 316.1) | 0.0001646 (0.0001202, 0.0002193) | 0.09849 (0.08421, 0.11457)   | 125.6 (99.2, 155.0)  | 0.0000831 (0.0000656, 0.0001025)   | 0.12284 (0.10417, 0.14296) |
| Jawa Timur | Drowning                                      | 20  | 30.2 (15.2, 49.9)    | 0.000021 (0.0000106, 0.0000346)  | 0.01255 (0.00681, 0.01987)   | 5.9 (3.0, 10.2)      | 0.0000039 (0.0000020, 0.0000067)   | 0.00575 (0.00294, 0.00968) |
| Jawa Timur | Falls                                         | 20  | 27.0 (16.5, 41.7)    | 0.0000188 (0.0000114, 0.0000289) | 0.01124 (0.00728, 0.01652)   | 7.1 (4.0, 11.4)      | 0.0000047 (0.0000026, 0.0000075)   | 0.00695 (0.00409, 0.01083) |
| Jawa Timur | Interpersonal violence                        | 20  | 24.6 (15.1, 38.8)    | 0.0000171 (0.0000105, 0.0000269) | 0.0102 (0.00691, 0.01474)    | 10.4 (6.1, 16.5)     | 0.0000069 (0.0000040, 0.0000109)   | 0.01018 (0.00619, 0.01568) |
| Jawa Timur | Self-harm                                     | 20  | 38.3 (21.9, 62.4)    | 0.0000266 (0.0000152, 0.0000433) | 0.01589 (0.00981, 0.02414)   | 13.8 (7.7, 22.9)     | 0.0000091 (0.0000051, 0.0000151)   | 0.01346 (0.00770, 0.02197) |
| Jawa Timur | Transport injuries                            | 20  | 585.7 (444.0, 759.4) | 0.0004063 (0.0003079, 0.0005268) | 0.24306 (0.21706, 0.26752)   | 131.1 (103.6, 164.1) | 0.0000867 (0.0000685, 0.0001085)   | 0.12815 (0.10696, 0.15002) |
| Jawa Timur | Other unintentional injuries                  | 20  | 98.3 (68.7, 138.0)   | 0.0000682 (0.0000477, 0.0000957) | 0.04086 (0.03110, 0.05294)   | 24.3 (16.7, 34.6)    | 0.0000161 (0.0000110, 0.0000229)   | 0.02381 (0.01722, 0.03291) |
| Jawa Timur | Diarrheal diseases                            | 25  | 78.4 (52.2, 114.9)   | 0.0000475 (0.0000316, 0.0000696) | 0.02324 (0.01614, 0.03261)   | 37.6 (25.2, 52.5)    | 0.000022 (0.0000148, 0.0000308)    | 0.02929 (0.02077, 0.03989) |
| Jawa Timur | HIV/AIDS                                      | 25  | 199.1 (137.1, 284.7) | 0.0001206 (0.0000830, 0.0001724) | 0.05903 (0.04308, 0.07907)   | 65.5 (44.1, 90.8)    | 0.0000383 (0.0000258, 0.0000532)   | 0.05102 (0.03618, 0.06849) |
| Jawa Timur | Lower respiratory infections                  | 25  | 40.2 (27.3, 58.2)    | 0.0000244 (0.0000165, 0.0000353) | 0.01192 (0.00850, 0.01609)   | 10.7 (7.0, 16.0)     | 0.0000063 (0.0000041, 0.0000094)   | 0.00833 (0.00567, 0.01182) |
| Jawa Timur | Malaria                                       | 25  | 2.1 (0.4, 6.9)       | 0.0000013 (0.0000002, 0.0000042) | 0.00063 (0.00012, 0.00196)   | 0.7 (0.1, 2.2)       | 0.0000004 (0.0000001, 0.0000013)   | 0.00055 (0.00010, 0.00167) |
| Jawa Timur | Tuberculosis                                  | 25  | 389.0 (304.6, 498.2) | 0.0002356 (0.0001845, 0.0003017) | 0.11536 (0.09537, 0.13359)   | 96.7 (71.4, 126.0)   | 0.0000567 (0.0000418, 0.0000738)   | 0.07535 (0.05985, 0.09163) |
| Jawa Timur | Maternal disorders                            | 25  |                      |                                  |                              | 52.6 (36.0, 74.1)    | 0.0000308 (0.0000211, 0.0000434)   | 0.04098 (0.02919, 0.05509) |
| Jawa Timur | Other communicable diseases                   | 25  | 355.5 (276.0, 456.5) | 0.0002153 (0.0001672, 0.0002764) | 0.10543 (0.09009, 0.12285)   | 118.8 (92.5, 154.9)  | 0.0000696 (0.0000542, 0.0000908)   | 0.09255 (0.07748, 0.10916) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 25  | 31.2 (15.6, 57.0)    | 0.0000189 (0.0000094, 0.0000345) | 0.00924 (0.00460, 0.01650)   | 9.0 (4.4, 16.2)      | 0.0000053 (0.0000026, 0.0000095)   | 0.00703 (0.00355, 0.01207) |
| Jawa Timur | Breast cancer                                 | 25  | 1.4 (0.4, 3.3)       | 0.0000008 (0.0000003, 0.0000020) | 0.00041 (0.00014, 0.00098)   | 79.5 (55.6, 108.5)   | 0.0000466 (0.0000326, 0.0000636)   | 0.06196 (0.04603, 0.08093) |
| Jawa Timur | Cervical cancer                               | 25  |                      |                                  |                              | 37.4 (22.3, 56.4)    | 0.0000219 (0.0000131, 0.0000331)   | 0.02913 (0.01783, 0.04277) |
| Jawa Timur | Other malignant neoplasms                     | 25  | 245.5 (191.6, 317.1) | 0.0001487 (0.0001160, 0.0001920) | 0.07279 (0.06165, 0.08426)   | 141.3 (107.0, 183.8) | 0.0000828 (0.0000627, 0.0001077)   | 0.11008 (0.08943, 0.13164) |
| Jawa Timur | Cerebrovascular disease                       | 25  | 164.2 (127.0, 213.6) | 0.0000994 (0.0000769, 0.0001294) | 0.04867 (0.04135, 0.05623)   | 71.4 (54.9, 92.1)    | 0.0000418 (0.0000322, 0.0000539)   | 0.05563 (0.04647, 0.06551) |
| Jawa Timur | Ischemic heart disease                        | 25  | 275.3 (214.4, 349.0) | 0.0001667 (0.0001299, 0.0002114) | 0.08163 (0.07086, 0.09397)   | 72.5 (56.1, 93.4)    | 0.0000425 (0.0000329, 0.0000547)   | 0.05646 (0.04736, 0.06643) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 25  | 57.5 (42.3, 77.7)    | 0.0000348 (0.0000256, 0.0000471) | 0.01703 (0.01335, 0.02117)   | 32.0 (23.2, 43.6)    | 0.0000187 (0.0000136, 0.0000255)   | 0.02492 (0.01938, 0.03193) |
| Jawa Timur | Diabetes mellitus                             | 25  | 47.4 (34.0, 67.2)    | 0.0000287 (0.0000206, 0.0000407) | 0.01406 (0.01060, 0.01816)   | 33.8 (23.9, 47.9)    | 0.0000198 (0.0000140, 0.0000281)   | 0.02635 (0.01969, 0.03483) |
| Jawa Timur | Chronic kidney disease                        | 25  | 118.3 (89.4, 153.2)  | 0.0000717 (0.0000542, 0.0000928) | 0.03509 (0.02883, 0.04289)   | 54.0 (40.5, 72.1)    | 0.0000316 (0.0000238, 0.0000423)   | 0.04202 (0.03363, 0.05122) |
| Jawa Timur | Cirrhosis                                     | 25  | 178.3 (136.4, 235.0) | 0.000108 (0.0000826, 0.0001423)  | 0.05284 (0.04368, 0.06285)   | 46.7 (35.0, 62.5)    | 0.0000274 (0.0000205, 0.0000366)   | 0.03637 (0.02884, 0.04490) |
| Jawa Timur | Chronic respiratory diseases                  | 25  | 91.7 (67.4, 126.2)   | 0.0000555 (0.0000408, 0.0000764) | 0.02718 (0.02106, 0.03449)   | 30.4 (21.2, 42.3)    | 0.0000178 (0.0000124, 0.0000248)   | 0.02369 (0.01738, 0.03094) |
| Jawa Timur | Other non-communicable diseases               | 25  | 332.7 (265.1, 423.6) | 0.0002015 (0.0001606, 0.0002565) | 0.09861 (0.08654, 0.11155)   | 147.9 (118.0, 186.6) | 0.0000866 (0.0000691, 0.0001093)   | 0.11519 (0.10030, 0.13027) |
| Jawa Timur | Drowning                                      | 25  | 24.6 (11.6, 45.5)    | 0.0000149 (0.0000070, 0.0000276) | 0.00727 (0.00354, 0.01266)   | 3.9 (1.8, 7.3)       | 0.0000023 (0.0000010, 0.0000043)   | 0.00302 (0.00145, 0.00544) |
| Jawa Timur | Falls                                         | 25  | 46.9 (30.3, 70.8)    | 0.0000284 (0.0000183, 0.0000429) | 0.01391 (0.00933, 0.01983)   | 10.0 (6.0, 15.9)     | 0.0000059 (0.0000035, 0.0000093)   | 0.00781 (0.00493, 0.01194) |
| Jawa Timur | Interpersonal violence                        | 25  | 29.2 (18.9, 44.2)    | 0.0000177 (0.0000115, 0.0000268) | 0.00865 (0.00588, 0.01244)   | 10.0 (5.9, 15.7)     | 0.0000059 (0.0000034, 0.0000092)   | 0.00778 (0.00475, 0.01191) |
| Jawa Timur | Self-harm                                     | 25  | 41.9 (25.3, 64.5)    | 0.0000254 (0.0000153, 0.0000390) | 0.01241 (0.00787, 0.01844)   | 12.1 (7.0, 19.5)     | 0.0000071 (0.0000041, 0.0000114)   | 0.00942 (0.00565, 0.01452) |
| Jawa Timur | Transport injuries                            | 25  | 482.4 (372.7, 616.2) | 0.0002922 (0.0002257, 0.0003732) | 0.14298 (0.12249, 0.16429)   | 81.0 (60.6, 107.4)   | 0.0000475 (0.0000355, 0.0000629)   | 0.06314 (0.05013, 0.07587) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Timur | Other unintentional injuries                  | 25  | 140.4 (100.0, 191.4) | 0.000085 (0.0000606, 0.0001159)  | 0.04163 (0.03167, 0.05281) | 28.1 (19.3, 40.6)    | 0.0000165 (0.0000113, 0.0000238) | 0.02193 (0.01569, 0.02949) |
| Jawa Timur | Diarrheal diseases                            | 30  | 87.8 (57.8, 129.1)   | 0.0000557 (0.0000366, 0.0000819) | 0.02457 (0.01707, 0.03317) | 38.1 (26.1, 55.0)    | 0.0000233 (0.0000160, 0.0000337) | 0.02694 (0.01989, 0.03628) |
| Jawa Timur | HIV/AIDS                                      | 30  | 196.4 (139.6, 273.1) | 0.0001246 (0.0000885, 0.0001732) | 0.05499 (0.04100, 0.07108) | 60.8 (42.2, 82.9)    | 0.0000373 (0.0000259, 0.0000508) | 0.04302 (0.03136, 0.05533) |
| Jawa Timur | Lower respiratory infections                  | 30  | 35.7 (25.1, 50.5)    | 0.0000227 (0.0000159, 0.0000321) | 0.01 (0.00727, 0.01327)    | 9.4 (6.4, 14.2)      | 0.0000058 (0.0000039, 0.0000087) | 0.00664 (0.00473, 0.00922) |
| Jawa Timur | Malaria                                       | 30  | 1.8 (0.3, 5.2)       | 0.0000011 (0.0000002, 0.0000033) | 0.00049 (0.00009, 0.00146) | 0.5 (0.1, 1.5)       | 0.0000003 (0.0000001, 0.0000009) | 0.00035 (0.00007, 0.00105) |
| Jawa Timur | Tuberculosis                                  | 30  | 357.6 (283.4, 460.4) | 0.0002268 (0.0001798, 0.0002920) | 0.10014 (0.08404, 0.11673) | 82.8 (61.8, 110.4)   | 0.0000507 (0.0000379, 0.0000676) | 0.05849 (0.04635, 0.07024) |
| Jawa Timur | Maternal disorders                            | 30  |                      |                                  |                            | 78.2 (57.2, 106.4)   | 0.0000479 (0.0000351, 0.0000652) | 0.05526 (0.04232, 0.06918) |
| Jawa Timur | Other communicable diseases                   | 30  | 253.7 (196.8, 325.5) | 0.0001609 (0.0001248, 0.0002064) | 0.07106 (0.05835, 0.08490) | 78.0 (56.9, 105.0)   | 0.0000477 (0.0000348, 0.0000643) | 0.05509 (0.04335, 0.06666) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 30  | 57.5 (29.2, 107.4)   | 0.0000365 (0.0000185, 0.0000681) | 0.01609 (0.00849, 0.02902) | 9.8 (5.4, 16.4)      | 0.000006 (0.0000033, 0.0000101)  | 0.00694 (0.00394, 0.01110) |
| Jawa Timur | Breast cancer                                 | 30  | 2.0 (0.6, 5.4)       | 0.0000013 (0.0000004, 0.0000034) | 0.00056 (0.00017, 0.00152) | 116.1 (85.1, 156.1)  | 0.0000711 (0.0000521, 0.0000956) | 0.08205 (0.06590, 0.10027) |
| Jawa Timur | Cervical cancer                               | 30  |                      |                                  |                            | 61.5 (40.1, 86.2)    | 0.0000377 (0.0000246, 0.0000528) | 0.04349 (0.03034, 0.05847) |
| Jawa Timur | Other malignant neoplasms                     | 30  | 336.9 (272.3, 427.7) | 0.0002137 (0.0001727, 0.0002713) | 0.09435 (0.08252, 0.10644) | 138.1 (105.4, 182.2) | 0.0000846 (0.0000646, 0.0001116) | 0.09758 (0.08140, 0.11741) |
| Jawa Timur | Cerebrovascular disease                       | 30  | 252.3 (201.9, 317.1) | 0.000116 (0.0001280, 0.0002011)  | 0.07065 (0.06233, 0.07970) | 112.6 (88.7, 145.8)  | 0.000069 (0.0000543, 0.0000893)  | 0.07961 (0.06992, 0.08985) |
| Jawa Timur | Ischemic heart disease                        | 30  | 368.3 (296.9, 462.7) | 0.0002336 (0.0001883, 0.0002934) | 0.10315 (0.09239, 0.11433) | 101.8 (80.1, 131.8)  | 0.0000623 (0.0000490, 0.0000807) | 0.07194 (0.06312, 0.08164) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 30  | 69.4 (52.5, 89.5)    | 0.000044 (0.0000333, 0.0000568)  | 0.01945 (0.01574, 0.02397) | 38.2 (28.1, 51.0)    | 0.0000234 (0.0000172, 0.0000312) | 0.02697 (0.02161, 0.03332) |
| Jawa Timur | Diabetes mellitus                             | 30  | 76.7 (57.6, 102.0)   | 0.0000487 (0.0000365, 0.0000647) | 0.02148 (0.01731, 0.02607) | 53.1 (39.8, 70.9)    | 0.0000325 (0.0000244, 0.0000434) | 0.03754 (0.02997, 0.04580) |
| Jawa Timur | Chronic kidney disease                        | 30  | 126.2 (98.0, 162.7)  | 0.00008 (0.0000622, 0.0001032)   | 0.03533 (0.02933, 0.04236) | 55.4 (41.8, 73.6)    | 0.0000339 (0.0000256, 0.0000451) | 0.03915 (0.03244, 0.04706) |
| Jawa Timur | Cirrhosis                                     | 30  | 231.0 (183.2, 298.4) | 0.0001465 (0.0001162, 0.0001893) | 0.06468 (0.05510, 0.07498) | 61.2 (46.6, 82.0)    | 0.0000375 (0.0000286, 0.0000502) | 0.04324 (0.03569, 0.05126) |
| Jawa Timur | Chronic respiratory diseases                  | 30  | 94.4 (70.6, 125.4)   | 0.0000599 (0.0000448, 0.0000795) | 0.02644 (0.02090, 0.03267) | 30.2 (21.1, 41.6)    | 0.0000185 (0.0000129, 0.0000255) | 0.02132 (0.01608, 0.02715) |
| Jawa Timur | Other non-communicable diseases               | 30  | 339.5 (277.1, 433.3) | 0.0002153 (0.0001757, 0.0002748) | 0.09503 (0.08517, 0.10677) | 152.5 (121.5, 197.3) | 0.0000934 (0.0000744, 0.0001208) | 0.10775 (0.09636, 0.11985) |
| Jawa Timur | Drowning                                      | 30  | 28.1 (14.7, 47.9)    | 0.0000178 (0.0000093, 0.0000304) | 0.00787 (0.00418, 0.01249) | 5.1 (2.6, 8.9)       | 0.0000032 (0.0000016, 0.0000055) | 0.00363 (0.00189, 0.00604) |
| Jawa Timur | Falls                                         | 30  | 56.8 (37.5, 83.2)    | 0.000036 (0.0000238, 0.0000528)  | 0.01591 (0.01090, 0.02200) | 13.5 (8.4, 20.9)     | 0.0000083 (0.0000051, 0.0000128) | 0.00954 (0.00632, 0.01372) |
| Jawa Timur | Interpersonal violence                        | 30  | 22.3 (14.6, 34.3)    | 0.0000141 (0.0000092, 0.0000218) | 0.00624 (0.00424, 0.00907) | 7.7 (4.5, 12.2)      | 0.0000047 (0.0000027, 0.0000075) | 0.0054 (0.00336, 0.00812)  |
| Jawa Timur | Self-harm                                     | 30  | 31.2 (19.0, 48.7)    | 0.0000198 (0.0000120, 0.0000309) | 0.00872 (0.00555, 0.01304) | 8.9 (5.0, 14.3)      | 0.0000054 (0.0000031, 0.0000087) | 0.00626 (0.00376, 0.00974) |
| Jawa Timur | Transport injuries                            | 30  | 417.6 (331.4, 538.8) | 0.0002648 (0.0002102, 0.0003417) | 0.1169 (0.10087, 0.13616)  | 74.6 (55.2, 101.6)   | 0.0000457 (0.0000338, 0.0000622) | 0.05273 (0.04247, 0.06395) |
| Jawa Timur | Other unintentional injuries                  | 30  | 128.2 (93.2, 174.2)  | 0.0000813 (0.0000591, 0.0001105) | 0.0359 (0.02770, 0.04615)  | 26.9 (18.4, 39.1)    | 0.0000165 (0.0000112, 0.0000240) | 0.01904 (0.01404, 0.02549) |
| Jawa Timur | Diarrheal diseases                            | 35  | 84.5 (57.2, 125.8)   | 0.0000523 (0.0000354, 0.0000778) | 0.01867 (0.01328, 0.02605) | 46.6 (31.4, 67.4)    | 0.0000284 (0.0000191, 0.0000411) | 0.02212 (0.01596, 0.03029) |
| Jawa Timur | HIV/AIDS                                      | 35  | 196.9 (136.8, 270.7) | 0.0001219 (0.0000847, 0.0001676) | 0.04359 (0.03201, 0.05651) | 73.4 (48.8, 104.2)   | 0.0000448 (0.0000298, 0.0000635) | 0.03485 (0.02510, 0.04599) |
| Jawa Timur | Lower respiratory infections                  | 35  | 44.1 (31.8, 60.3)    | 0.0000273 (0.0000197, 0.0000373) | 0.00977 (0.00734, 0.01275) | 14.4 (9.5, 20.7)     | 0.0000088 (0.0000058, 0.0000127) | 0.00685 (0.00487, 0.00939) |
| Jawa Timur | Malaria                                       | 35  | 1.6 (0.3, 4.8)       | 0.000001 (0.0000002, 0.0000030)  | 0.00036 (0.00007, 0.00109) | 0.6 (0.1, 1.7)       | 0.0000003 (0.0000001, 0.0000011) | 0.00026 (0.00005, 0.00085) |
| Jawa Timur | Tuberculosis                                  | 35  | 417.1 (330.3, 526.7) | 0.0002582 (0.0002045, 0.0003260) | 0.09233 (0.07768, 0.10715) | 115.4 (83.4, 155.6)  | 0.0000704 (0.0000509, 0.0000949) | 0.05481 (0.04356, 0.06584) |
| Jawa Timur | Maternal disorders                            | 35  |                      |                                  |                            | 86.2 (62.9, 119.7)   | 0.0000526 (0.0000384, 0.0000730) | 0.04094 (0.03181, 0.05225) |
| Jawa Timur | Other communicable diseases                   | 35  | 252.1 (196.1, 331.9) | 0.0001561 (0.0001214, 0.0002054) | 0.0558 (0.04602, 0.06636)  | 99.3 (73.3, 135.1)   | 0.0000606 (0.0000453, 0.0000824) | 0.04713 (0.03843, 0.05703) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 35  | 44.2 (23.6, 73.4)    | 0.0000274 (0.0000146, 0.0000454) | 0.00979 (0.00533, 0.01610) | 15.9 (9.3, 25.0)     | 0.0000097 (0.0000057, 0.0000152) | 0.00755 (0.00475, 0.01125) |
| Jawa Timur | Breast cancer                                 | 35  | 4.2 (1.6, 9.7)       | 0.0000026 (0.0000010, 0.0000060) | 0.00093 (0.00035, 0.00222) | 192.0 (144.8, 257.7) | 0.0001171 (0.0000883, 0.0001572) | 0.09111 (0.07559, 0.10874) |
| Jawa Timur | Cervical cancer                               | 35  |                      |                                  |                            | 125.0 (88.4, 171.4)  | 0.0000763 (0.0000540, 0.0001046) | 0.05941 (0.04416, 0.07557) |
| Jawa Timur | Other malignant neoplasms                     | 35  | 506.4 (414.5, 649.4) | 0.0003135 (0.0002566, 0.0004020) | 0.11204 (0.09937, 0.12504) | 174.1 (130.2, 236.2) | 0.0001062 (0.0000795, 0.0001441) | 0.08259 (0.06789, 0.09894) |
| Jawa Timur | Cerebrovascular disease                       | 35  | 445.2 (367.3, 564.5) | 0.0002756 (0.0002273, 0.0003494) | 0.0985 (0.08949, 0.10919)  | 225.3 (176.9, 293.1) | 0.0001375 (0.0001079, 0.0001788) | 0.10698 (0.09708, 0.11840) |
| Jawa Timur | Ischemic heart disease                        | 35  | 564.4 (470.2, 725.3) | 0.0003493 (0.0002911, 0.0004489) | 0.12486 (0.11360, 0.13629) | 181.2 (142.1, 233.7) | 0.0001106 (0.0000867, 0.0001426) | 0.08602 (0.07639, 0.09584) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 35  | 98.8 (77.3, 127.3)   | 0.0000612 (0.0000479, 0.0000788) | 0.02186 (0.01826, 0.02623) | 60.1 (45.1, 80.3)    | 0.0000367 (0.0000275, 0.0000490) | 0.02853 (0.02338, 0.03479) |
| Jawa Timur | Diabetes mellitus                             | 35  | 155.7 (121.0, 199.3) | 0.0000963 (0.0000749, 0.0001234) | 0.03443 (0.02866, 0.04007) | 117.9 (90.1, 153.8)  | 0.0000719 (0.0000550, 0.0000938) | 0.05596 (0.04667, 0.06583) |
| Jawa Timur | Chronic kidney disease                        | 35  | 160.5 (125.3, 208.3) | 0.0000994 (0.0000776, 0.0001290) | 0.03552 (0.02963, 0.04260) | 77.2 (58.2, 102.1)   | 0.0000471 (0.0000355, 0.0000623) | 0.03665 (0.03065, 0.04344) |
| Jawa Timur | Cirrhosis                                     | 35  | 322.1 (258.9, 409.0) | 0.0001994 (0.0001602, 0.0002532) | 0.07127 (0.06210, 0.08236) | 96.2 (74.1, 127.5)   | 0.0000587 (0.0000452, 0.0000778) | 0.04566 (0.03845, 0.05406) |
| Jawa Timur | Chronic respiratory diseases                  | 35  | 133.4 (102.8, 171.5) | 0.0000826 (0.0000636, 0.0001061) | 0.02952 (0.02406, 0.03542) | 43.9 (31.1, 59.2)    | 0.0000268 (0.0000190, 0.0000361) | 0.02084 (0.01620, 0.02595) |
| Jawa Timur | Other non-communicable diseases               | 35  | 391.6 (318.6, 500.8) | 0.0002424 (0.0001972, 0.0003100) | 0.08662 (0.07750, 0.09673) | 198.1 (155.8, 256.4) | 0.0001209 (0.0000951, 0.0001564) | 0.09402 (0.08418, 0.10408) |
| Jawa Timur | Drowning                                      | 35  | 43.5 (23.7, 73.7)    | 0.0000269 (0.0000147, 0.0000456) | 0.00961 (0.00532, 0.01582) | 9.9 (5.0, 17.9)      | 0.000006 (0.0000031, 0.0000109)  | 0.00468 (0.00252, 0.00797) |
| Jawa Timur | Falls                                         | 35  | 68.7 (46.3, 99.7)    | 0.0000425 (0.0000287, 0.0000617) | 0.01521 (0.01053, 0.02062) | 19.8 (12.2, 29.7)    | 0.0000121 (0.0000074, 0.0000181) | 0.0094 (0.00614, 0.01326)  |
| Jawa Timur | Interpersonal violence                        | 35  | 21.1 (13.9, 33.3)    | 0.000013 (0.0000086, 0.0000206)  | 0.00466 (0.00313, 0.00680) | 8.2 (4.8, 13.1)      | 0.000005 (0.0000029, 0.0000080)  | 0.00391 (0.00233, 0.00586) |
| Jawa Timur | Self-harm                                     | 35  | 31.2 (18.8, 49.5)    | 0.0000193 (0.0000116, 0.0000306) | 0.00691 (0.00425, 0.01048) | 10.0 (5.7, 16.3)     | 0.0000061 (0.0000035, 0.0000099) | 0.00474 (0.00281, 0.00730) |
| Jawa Timur | Transport injuries                            | 35  | 394.1 (310.2, 505.7) | 0.0002439 (0.0001920, 0.0003130) | 0.08721 (0.07350, 0.10141) | 82.0 (59.8, 109.9)   | 0.00005 (0.0000365, 0.0000670)   | 0.03892 (0.03099, 0.04760) |
| Jawa Timur | Other unintentional injuries                  | 35  | 138.1 (99.3, 188.0)  | 0.0000855 (0.0000615, 0.0001163) | 0.03054 (0.02324, 0.03869) | 33.8 (23.0, 48.3)    | 0.0000206 (0.0000140, 0.0000295) | 0.01606 (0.01179, 0.02120) |
| Jawa Timur | Diarrheal diseases                            | 40  | 103.7 (72.3, 141.7)  | 0.0000677 (0.0000472, 0.0000925) | 0.01701 (0.01244, 0.02244) | 70.5 (48.5, 97.9)    | 0.0000443 (0.0000305, 0.0000615) | 0.02224 (0.01668, 0.02840) |
| Jawa Timur | HIV/AIDS                                      | 40  | 124.1 (83.2, 174.3)  | 0.000081 (0.0000543, 0.0001138)  | 0.02034 (0.01413, 0.02717) | 57.4 (37.5, 83.3)    | 0.0000361 (0.0000236, 0.0000524) | 0.0181 (0.01232, 0.02506)  |
| Jawa Timur | Lower respiratory infections                  | 40  | 54.1 (38.6, 74.7)    | 0.0000353 (0.0000252, 0.0000488) | 0.00887 (0.00677, 0.01146) | 22.9 (15.7, 32.3)    | 0.0000144 (0.0000099, 0.0000203) | 0.00721 (0.00532, 0.00939) |
| Jawa Timur | Malaria                                       | 40  | 1.8 (0.4, 5.3)       | 0.0000012 (0.0000002, 0.0000035) | 0.00029 (0.00006, 0.00090) | 0.7 (0.1, 2.2)       | 0.0000004 (0.0000001, 0.0000014) | 0.00022 (0.00004, 0.00068) |
| Jawa Timur | Tuberculosis                                  | 40  | 465.9 (378.9, 600.7) | 0.0003041 (0.0002473, 0.0003921) | 0.07638 (0.06612, 0.08707) | 149.6 (113.1, 197.9) | 0.0000094 (0.0000711, 0.0001244) | 0.04712 (0.03928, 0.05539) |
| Jawa Timur | Maternal disorders                            | 40  |                      |                                  |                            | 58.8 (37.4, 90.1)    | 0.0000369 (0.0000235, 0.0000566) | 0.0185 (0.01243, 0.02631)  |
| Jawa Timur | Other communicable diseases                   | 40  | 280.9 (215.2, 364.9) | 0.0001833 (0.0001405, 0.0002382) | 0.04605 (0.03814, 0.05498) | 140.1 (102.0, 185.1) | 0.0000881 (0.0000641, 0.0001164) | 0.04415 (0.03572, 0.05334) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 40  | 84.1 (55.8, 122.1)   | 0.0000549 (0.0000364, 0.0000797) | 0.0138 (0.00957, 0.01937)  | 26.0 (16.6, 39.6)    | 0.0000163 (0.0000104, 0.0000249) | 0.00819 (0.00545, 0.01162) |
| Jawa Timur | Breast cancer                                 | 40  | 7.2 (2.7, 15.2)      | 0.0000047 (0.0000018, 0.0000099) | 0.00119 (0.00045, 0.00243) | 284.9 (217.5, 375.4) | 0.0001791 (0.0001367, 0.0002360) | 0.08978 (0.07565, 0.10471) |
| Jawa Timur | Cervical cancer                               | 40  |                      |                                  |                            | 226.8 (168.9, 301.6) | 0.0001426 (0.0001062, 0.0001896) | 0.0715 (0.05740, 0.08821)  |
| Jawa Timur | Other malignant neoplasms                     | 40  | 691.5 (568.2, 870.1) | 0.0004514 (0.0003709, 0.0005679) | 0.11336 (0.10197, 0.12621) | 217.7 (162.6, 289.0) | 0.0001369 (0.0001022, 0.0001817) | 0.06858 (0.05690, 0.08098) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                   |                            | Females                    |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Timur | Cerebrovascular disease                       | 40  | 806.9 (680.6, 1,001.5)     | 0.0005267 (0.0004443, 0.0006537)  | 0.13231 (0.12112, 0.14345) | 443.6 (351.7, 567.1)       | 0.0002789 (0.0002211, 0.0003565) | 0.13979 (0.12881, 0.15052) |
| Jawa Timur | Ischemic heart disease                        | 40  | 986.1 (825.2, 1,229.3)     | 0.0006437 (0.0005387, 0.0008024)  | 0.16165 (0.14931, 0.17410) | 330.0 (260.0, 423.2)       | 0.0002075 (0.0001634, 0.0002661) | 0.10398 (0.09449, 0.11348) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 40  | 154.8 (121.2, 197.9)       | 0.000101 (0.0000791, 0.0001292)   | 0.02537 (0.02140, 0.02981) | 100.7 (76.9, 130.6)        | 0.0000633 (0.0000484, 0.0000821) | 0.03174 (0.02685, 0.03719) |
| Jawa Timur | Diabetes mellitus                             | 40  | 362.6 (294.9, 456.0)       | 0.0002367 (0.0001925, 0.0002977)  | 0.05944 (0.05161, 0.06715) | 283.3 (216.9, 364.2)       | 0.0001781 (0.0001364, 0.0002289) | 0.08928 (0.07839, 0.10070) |
| Jawa Timur | Chronic kidney disease                        | 40  | 227.2 (178.3, 290.6)       | 0.0001483 (0.0001164, 0.0001897)  | 0.03726 (0.03162, 0.04383) | 112.2 (84.1, 147.5)        | 0.0000705 (0.0000529, 0.0000928) | 0.03534 (0.02972, 0.04162) |
| Jawa Timur | Cirrhosis                                     | 40  | 451.6 (363.4, 558.6)       | 0.0002948 (0.0002372, 0.0003647)  | 0.07405 (0.06462, 0.08445) | 148.4 (114.6, 194.8)       | 0.0000933 (0.0000721, 0.0001225) | 0.04675 (0.03969, 0.05448) |
| Jawa Timur | Chronic respiratory diseases                  | 40  | 187.3 (147.1, 241.6)       | 0.0001223 (0.0000960, 0.0001577)  | 0.03071 (0.02561, 0.03643) | 67.9 (49.6, 90.6)          | 0.0000427 (0.0000312, 0.0000569) | 0.02139 (0.01727, 0.02587) |
| Jawa Timur | Other non-communicable diseases               | 40  | 480.1 (395.3, 600.5)       | 0.0003134 (0.0002580, 0.0003920)  | 0.07871 (0.07048, 0.08697) | 263.4 (207.4, 334.0)       | 0.0001656 (0.0001304, 0.0002100) | 0.08301 (0.07441, 0.09205) |
| Jawa Timur | Drowning                                      | 40  | 27.0 (13.8, 47.7)          | 0.0000177 (0.0000090, 0.0000312)  | 0.00443 (0.00233, 0.00723) | 7.9 (3.8, 14.7)            | 0.0000049 (0.0000024, 0.0000093) | 0.00247 (0.00126, 0.00440) |
| Jawa Timur | Falls                                         | 40  | 69.6 (46.7, 98.7)          | 0.0000454 (0.0000305, 0.0000644)  | 0.01141 (0.00796, 0.01585) | 24.3 (15.7, 35.8)          | 0.0000153 (0.0000099, 0.0000225) | 0.00765 (0.00530, 0.01060) |
| Jawa Timur | Interpersonal violence                        | 40  | 17.9 (11.5, 27.0)          | 0.0000117 (0.0000075, 0.0000177)  | 0.00294 (0.00195, 0.00427) | 7.2 (4.2, 11.7)            | 0.0000046 (0.0000026, 0.0000073) | 0.00228 (0.00140, 0.00346) |
| Jawa Timur | Self-harm                                     | 40  | 29.9 (18.2, 46.5)          | 0.0000195 (0.0000119, 0.0000303)  | 0.0049 (0.00303, 0.00737)  | 9.6 (5.5, 15.9)            | 0.000006 (0.0000035, 0.0000100)  | 0.00303 (0.00183, 0.00474) |
| Jawa Timur | Transport injuries                            | 40  | 361.4 (282.9, 473.3)       | 0.0002359 (0.0001847, 0.0003090)  | 0.05924 (0.04943, 0.07063) | 86.1 (62.7, 116.6)         | 0.0000541 (0.0000395, 0.0000733) | 0.02714 (0.02132, 0.03406) |
| Jawa Timur | Other unintentional injuries                  | 40  | 123.9 (88.1, 169.5)        | 0.0000809 (0.0000575, 0.0001106)  | 0.02031 (0.01541, 0.02611) | 33.6 (23.0, 47.8)          | 0.0000211 (0.0000144, 0.0000300) | 0.01058 (0.00780, 0.01413) |
| Jawa Timur | Diarrheal diseases                            | 45  | 122.6 (86.1, 167.9)        | 0.0000897 (0.0000630, 0.0001228)  | 0.01514 (0.01131, 0.01961) | 105.3 (76.6, 142.2)        | 0.0000735 (0.0000535, 0.0000992) | 0.02244 (0.01722, 0.02821) |
| Jawa Timur | HIV/AIDS                                      | 45  | 80.4 (49.8, 123.4)         | 0.0000588 (0.0000364, 0.0000902)  | 0.00994 (0.00629, 0.01516) | 47.4 (27.6, 73.0)          | 0.0000331 (0.0000192, 0.0000509) | 0.0101 (0.00621, 0.01517)  |
| Jawa Timur | Lower respiratory infections                  | 45  | 84.9 (62.4, 118.2)         | 0.0000621 (0.0000457, 0.0000864)  | 0.0105 (0.00805, 0.01345)  | 47.1 (32.8, 65.0)          | 0.0000328 (0.0000229, 0.0000454) | 0.01003 (0.00756, 0.01274) |
| Jawa Timur | Malaria                                       | 45  | 1.7 (0.3, 5.3)             | 0.0000012 (0.0000002, 0.0000039)  | 0.00021 (0.00004, 0.00068) | 0.8 (0.1, 2.5)             | 0.0000006 (0.0000001, 0.0000017) | 0.00017 (0.00003, 0.00054) |
| Jawa Timur | Tuberculosis                                  | 45  | 604.3 (489.1, 758.7)       | 0.0000442 (0.00003578, 0.0005549) | 0.0747 (0.06490, 0.08357)  | 236.7 (183.7, 306.0)       | 0.0001652 (0.0001282, 0.0002136) | 0.05044 (0.04281, 0.05822) |
| Jawa Timur | Maternal disorders                            | 45  |                            |                                   |                            | 21.7 (10.8, 39.1)          | 0.0000151 (0.0000076, 0.0000273) | 0.00462 (0.00240, 0.00785) |
| Jawa Timur | Other communicable diseases                   | 45  | 292.1 (225.9, 379.0)       | 0.0002136 (0.0001652, 0.0002772)  | 0.0361 (0.03008, 0.04326)  | 187.3 (140.5, 243.4)       | 0.0001307 (0.0000981, 0.0001698) | 0.03989 (0.03321, 0.04760) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 45  | 121.9 (83.9, 172.6)        | 0.0000892 (0.0000613, 0.0001263)  | 0.01508 (0.01086, 0.02068) | 42.4 (28.2, 62.7)          | 0.0000296 (0.0000197, 0.0000437) | 0.00903 (0.00630, 0.01237) |
| Jawa Timur | Breast cancer                                 | 45  | 8.5 (3.4, 17.1)            | 0.0000062 (0.0000025, 0.0000125)  | 0.00105 (0.00042, 0.00211) | 344.3 (265.5, 449.5)       | 0.0002403 (0.0001853, 0.0003137) | 0.07336 (0.06179, 0.08527) |
| Jawa Timur | Cervical cancer                               | 45  |                            |                                   |                            | 288.1 (215.2, 376.4)       | 0.000201 (0.0001502, 0.0002627)  | 0.06138 (0.05050, 0.07331) |
| Jawa Timur | Other malignant neoplasms                     | 45  | 731.6 (597.0, 920.5)       | 0.0005351 (0.0004367, 0.0006733)  | 0.09045 (0.08111, 0.10064) | 255.8 (196.8, 329.9)       | 0.0001785 (0.0001373, 0.0002302) | 0.0545 (0.04629, 0.06334)  |
| Jawa Timur | Cerebrovascular disease                       | 45  | 1,316.6 (1,100.7, 1,623.3) | 0.000963 (0.0008051, 0.0011874)   | 0.16279 (0.15181, 0.17408) | 814.7 (655.6, 1,006.2)     | 0.0005686 (0.0004576, 0.0007023) | 0.17359 (0.16301, 0.18457) |
| Jawa Timur | Ischemic heart disease                        | 45  | 1,430.4 (1,166.8, 1,763.3) | 0.0010463 (0.0008534, 0.0012897)  | 0.1768 (0.16532, 0.18794)  | 530.2 (428.7, 665.0)       | 0.00037 (0.0002992, 0.0004641)   | 0.11296 (0.10420, 0.12260) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 45  | 223.9 (176.4, 282.9)       | 0.0001637 (0.0001290, 0.0002070)  | 0.02767 (0.02341, 0.03267) | 162.1 (126.5, 205.4)       | 0.0001132 (0.0000883, 0.0001433) | 0.03455 (0.02960, 0.03945) |
| Jawa Timur | Diabetes mellitus                             | 45  | 662.2 (539.5, 838.7)       | 0.0004844 (0.0003946, 0.0006134)  | 0.08182 (0.07359, 0.09076) | 564.5 (442.6, 699.0)       | 0.000394 (0.0003089, 0.0004879)  | 0.12031 (0.10923, 0.13289) |
| Jawa Timur | Chronic kidney disease                        | 45  | 274.8 (216.6, 346.0)       | 0.000201 (0.0001584, 0.0002531)   | 0.03398 (0.02895, 0.03956) | 148.2 (112.9, 190.1)       | 0.0001035 (0.0000788, 0.0001327) | 0.03158 (0.02689, 0.03657) |
| Jawa Timur | Cirrhosis                                     | 45  | 551.0 (441.1, 690.1)       | 0.000403 (0.0003227, 0.0005048)   | 0.06812 (0.05978, 0.07735) | 206.7 (160.7, 266.7)       | 0.0001443 (0.0001122, 0.0001862) | 0.04403 (0.03816, 0.05083) |
| Jawa Timur | Chronic respiratory diseases                  | 45  | 291.1 (229.4, 369.8)       | 0.0002129 (0.0001678, 0.0002705)  | 0.03599 (0.03090, 0.04167) | 119.5 (91.0, 153.7)        | 0.0000834 (0.0000635, 0.0001073) | 0.02548 (0.02130, 0.03019) |
| Jawa Timur | Other non-communicable diseases               | 45  | 552.2 (445.9, 691.0)       | 0.0004039 (0.0003261, 0.0005054)  | 0.06826 (0.06078, 0.07584) | 341.0 (272.2, 422.1)       | 0.000238 (0.0001900, 0.0002946)  | 0.07267 (0.06539, 0.08011) |
| Jawa Timur | Drowning                                      | 45  | 23.6 (11.4, 42.4)          | 0.0000173 (0.0000083, 0.0000310)  | 0.00292 (0.00144, 0.00501) | 8.6 (4.1, 16.2)            | 0.000006 (0.0000029, 0.0000113)  | 0.00183 (0.00091, 0.00322) |
| Jawa Timur | Falls                                         | 45  | 96.2 (65.1, 137.0)         | 0.0000704 (0.0000477, 0.0001002)  | 0.0119 (0.00831, 0.01603)  | 40.4 (26.2, 58.2)          | 0.0000282 (0.0000183, 0.0000407) | 0.00861 (0.00605, 0.01156) |
| Jawa Timur | Interpersonal violence                        | 45  | 16.9 (10.9, 25.8)          | 0.0000123 (0.0000079, 0.0000189)  | 0.00208 (0.00140, 0.00313) | 7.4 (4.1, 12.4)            | 0.0000052 (0.0000029, 0.0000086) | 0.00158 (0.00094, 0.00259) |
| Jawa Timur | Self-harm                                     | 45  | 31.4 (18.9, 49.8)          | 0.000023 (0.0000138, 0.0000364)   | 0.00389 (0.00247, 0.00595) | 10.8 (6.1, 17.4)           | 0.0000075 (0.0000043, 0.0000121) | 0.00229 (0.00137, 0.00368) |
| Jawa Timur | Transport injuries                            | 45  | 436.4 (339.0, 561.0)       | 0.0003192 (0.0002479, 0.0004104)  | 0.05395 (0.04536, 0.06385) | 120.8 (88.4, 159.3)        | 0.0000843 (0.0000617, 0.0001112) | 0.02576 (0.02074, 0.03169) |
| Jawa Timur | Other unintentional injuries                  | 45  | 134.7 (97.8, 183.6)        | 0.0000985 (0.0000715, 0.0001343)  | 0.01666 (0.01248, 0.02135) | 41.3 (28.3, 57.9)          | 0.0000289 (0.0000197, 0.0000404) | 0.00882 (0.00631, 0.01176) |
| Jawa Timur | Diarrheal diseases                            | 50  | 193.1 (141.8, 256.0)       | 0.000161 (0.0001183, 0.0002135)   | 0.01778 (0.01392, 0.02207) | 156.4 (117.7, 204.0)       | 0.0001314 (0.0000989, 0.0001714) | 0.02607 (0.02108, 0.03139) |
| Jawa Timur | HIV/AIDS                                      | 50  | 41.8 (23.1, 68.7)          | 0.0000349 (0.0000193, 0.0000573)  | 0.00384 (0.00227, 0.00602) | 24.3 (12.8, 39.6)          | 0.0000204 (0.0000108, 0.0000332) | 0.00404 (0.00222, 0.00645) |
| Jawa Timur | Lower respiratory infections                  | 50  | 135.7 (100.2, 182.3)       | 0.0001131 (0.0000836, 0.0001521)  | 0.01249 (0.00983, 0.01569) | 75.0 (54.3, 100.5)         | 0.000063 (0.0000456, 0.0000844)  | 0.01249 (0.00974, 0.01565) |
| Jawa Timur | Malaria                                       | 50  | 2.0 (0.4, 6.2)             | 0.0000016 (0.0000003, 0.0000051)  | 0.00018 (0.00004, 0.00058) | 0.8 (0.2, 2.7)             | 0.0000007 (0.0000001, 0.0000023) | 0.00014 (0.00003, 0.00042) |
| Jawa Timur | Tuberculosis                                  | 50  | 784.4 (638.3, 975.3)       | 0.0006542 (0.0005324, 0.0008134)  | 0.07224 (0.06520, 0.08001) | 298.8 (236.3, 375.8)       | 0.000251 (0.0001985, 0.0003156)  | 0.0498 (0.04374, 0.05683)  |
| Jawa Timur | Maternal disorders                            | 50  |                            |                                   |                            | 11.1 (3.9, 26.7)           | 0.0000094 (0.0000033, 0.0000224) | 0.00186 (0.00065, 0.00432) |
| Jawa Timur | Other communicable diseases                   | 50  | 354.7 (267.7, 456.6)       | 0.0002958 (0.0002232, 0.0003808)  | 0.03267 (0.02722, 0.03890) | 216.0 (165.8, 285.9)       | 0.0001814 (0.0001392, 0.0002401) | 0.03598 (0.02941, 0.04218) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 50  | 197.0 (141.8, 270.0)       | 0.0001643 (0.0001182, 0.0002252)  | 0.01814 (0.01359, 0.02328) | 53.3 (35.9, 76.5)          | 0.0000447 (0.0000302, 0.0000643) | 0.00888 (0.00615, 0.01215) |
| Jawa Timur | Breast cancer                                 | 50  | 8.2 (3.6, 15.9)            | 0.0000068 (0.0000030, 0.0000133)  | 0.00075 (0.00034, 0.00146) | 322.4 (244.4, 411.7)       | 0.0002708 (0.0002053, 0.0003458) | 0.05372 (0.04396, 0.06262) |
| Jawa Timur | Cervical cancer                               | 50  |                            |                                   |                            | 295.8 (219.6, 384.9)       | 0.0002485 (0.0001844, 0.0003233) | 0.04928 (0.04053, 0.06026) |
| Jawa Timur | Other malignant neoplasms                     | 50  | 764.2 (604.8, 965.3)       | 0.0006374 (0.0005044, 0.0008051)  | 0.07036 (0.06270, 0.07815) | 285.4 (221.1, 365.4)       | 0.0002397 (0.0001857, 0.0003069) | 0.04756 (0.04050, 0.05563) |
| Jawa Timur | Cerebrovascular disease                       | 50  | 2,090.7 (1,697.7, 2,549.8) | 0.0017437 (0.0014159, 0.0021265)  | 0.19253 (0.18203, 0.20306) | 1,238.4 (1,009.3, 1,525.4) | 0.0010402 (0.0008477, 0.0012813) | 0.20633 (0.19523, 0.21770) |
| Jawa Timur | Ischemic heart disease                        | 50  | 2,002.5 (1,624.6, 2,434.9) | 0.0016701 (0.0013549, 0.0020307)  | 0.18438 (0.17343, 0.19558) | 714.3 (571.1, 893.3)       | 0.0006 (0.0004797, 0.0007504)    | 0.11902 (0.11004, 0.12905) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 50  | 347.2 (265.4, 443.1)       | 0.0002896 (0.0002213, 0.0003695)  | 0.03197 (0.02760, 0.03692) | 239.1 (186.4, 301.0)       | 0.0002008 (0.0001565, 0.0002528) | 0.03984 (0.03430, 0.04564) |
| Jawa Timur | Diabetes mellitus                             | 50  | 1,030.3 (814.0, 1,261.5)   | 0.0008593 (0.0006789, 0.0010521)  | 0.09486 (0.08645, 0.10415) | 836.2 (671.5, 1,026.1)     | 0.0007023 (0.0005640, 0.0008619) | 0.13933 (0.12872, 0.15091) |
| Jawa Timur | Chronic kidney disease                        | 50  | 335.6 (259.6, 422.6)       | 0.0002799 (0.0002165, 0.0003524)  | 0.03091 (0.02673, 0.03583) | 172.8 (135.1, 224.6)       | 0.0001451 (0.0001135, 0.0001887) | 0.02877 (0.02488, 0.03309) |
| Jawa Timur | Cirrhosis                                     | 50  | 689.3 (529.4, 869.6)       | 0.0005749 (0.0004415, 0.0007253)  | 0.06349 (0.05544, 0.07260) | 250.6 (197.2, 324.8)       | 0.0002105 (0.0001657, 0.0002728) | 0.04174 (0.03625, 0.04797) |
| Jawa Timur | Chronic respiratory diseases                  | 50  | 465.7 (363.9, 589.4)       | 0.0003884 (0.0003035, 0.0004916)  | 0.04288 (0.03715, 0.04961) | 188.2 (145.4, 239.4)       | 0.0001581 (0.0001222, 0.0002011) | 0.03136 (0.02660, 0.03663) |
| Jawa Timur | Other non-communicable diseases               | 50  | 689.4 (543.0, 862.3)       | 0.000575 (0.0004528, 0.0007192)   | 0.06346 (0.05664, 0.07053) | 408.0 (325.7, 506.6)       | 0.0003427 (0.0002735, 0.0004255) | 0.06797 (0.06088, 0.07518) |
| Jawa Timur | Drowning                                      | 50  | 20.9 (9.7, 38.4)           | 0.0000175 (0.0000081, 0.0000320)  | 0.00192 (0.00093, 0.00336) | 7.3 (3.2, 13.8)            | 0.0000061 (0.0000027, 0.0000116) | 0.00122 (0.00056, 0.00219) |
| Jawa Timur | Falls                                         | 50  | 130.4 (91.4, 181.2)        | 0.0001087 (0.0000763, 0.0001511)  | 0.01201 (0.00884, 0.01579) | 51.9 (36.0, 72.9)          | 0.0000436 (0.0000302, 0.0000613) | 0.00865 (0.00641, 0.01135) |
| Jawa Timur | Interpersonal violence                        | 50  | 14.9 (9.5, 23.5)           | 0.0000124 (0.0000079, 0.0000196)  | 0.00137 (0.00088, 0.00208) | 6.0 (3.3, 10.5)            | 0.000005 (0.0000028, 0.0000088)  | 0.001 (0.00057, 0.00170)   |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                  |                               | Females                    |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------------|----------------------------------|-------------------------------|----------------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                   | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Timur | Self-harm                                     | 50  | 30.6 (17.5, 49.2)          | 0.000255 (0.000146, 0.0000410)   | 0.00282 (0.00175, 0.00436)    | 9.5 (5.2, 16.1)            | 0.000008 (0.0000044, 0.0000135)  | 0.00158 (0.00094, 0.00261) |
| Jawa Timur | Transport injuries                            | 50  | 403.8 (305.7, 529.9)       | 0.0003368 (0.0002550, 0.0004419) | 0.03717 (0.03074, 0.04423)    | 103.9 (76.1, 136.4)        | 0.0000873 (0.0000639, 0.0001146) | 0.01732 (0.01359, 0.02136) |
| Jawa Timur | Other unintentional injuries                  | 50  | 127.6 (90.0, 172.5)        | 0.0001064 (0.0000751, 0.0001439) | 0.01175 (0.00860, 0.01497)    | 36.3 (24.6, 50.4)          | 0.0000305 (0.0000206, 0.0000423) | 0.00604 (0.00439, 0.00819) |
| Jawa Timur | Diarrheal diseases                            | 55  | 232.1 (170.4, 315.7)       | 0.0002473 (0.0001816, 0.0003365) | 0.01868 (0.01499, 0.02315)    | 181.1 (138.2, 234.2)       | 0.0002072 (0.0001581, 0.0002679) | 0.02716 (0.02246, 0.03248) |
| Jawa Timur | HIV/AIDS                                      | 55  | 19.6 (9.2, 33.7)           | 0.0000208 (0.0000098, 0.0000359) | 0.00157 (0.00075, 0.00265)    | 11.1 (5.0, 19.9)           | 0.0000127 (0.0000057, 0.0000227) | 0.00166 (0.00078, 0.00287) |
| Jawa Timur | Lower respiratory infections                  | 55  | 155.8 (114.9, 210.2)       | 0.0001661 (0.0001224, 0.0002241) | 0.01254 (0.01010, 0.01563)    | 85.5 (63.4, 112.9)         | 0.0000978 (0.0000725, 0.0001292) | 0.01282 (0.01022, 0.01595) |
| Jawa Timur | Malaria                                       | 55  | 2.1 (0.4, 6.8)             | 0.0000023 (0.0000004, 0.0000073) | 0.00017 (0.000003, 0.000055)  | 0.9 (0.2, 2.7)             | 0.000001 (0.0000002, 0.0000031)  | 0.00013 (0.00002, 0.00040) |
| Jawa Timur | Tuberculosis                                  | 55  | 767.8 (604.5, 968.8)       | 0.0008183 (0.0006442, 0.0010325) | 0.06181 (0.05488, 0.06982)    | 281.0 (223.0, 349.1)       | 0.0003215 (0.0002551, 0.0003993) | 0.04215 (0.03662, 0.04831) |
| Jawa Timur | Other communicable diseases                   | 55  | 373.4 (281.1, 475.7)       | 0.0003979 (0.0002996, 0.0005069) | 0.03005 (0.02519, 0.03507)    | 221.1 (170.6, 286.0)       | 0.0002529 (0.0001951, 0.0003272) | 0.03315 (0.02730, 0.03955) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 55  | 220.4 (156.8, 299.2)       | 0.0002349 (0.0001671, 0.0003189) | 0.01774 (0.01383, 0.02259)    | 48.2 (33.0, 67.7)          | 0.0000552 (0.0000378, 0.0000775) | 0.00724 (0.00526, 0.00981) |
| Jawa Timur | Breast cancer                                 | 55  | 7.6 (3.7, 13.3)            | 0.0000081 (0.0000040, 0.0000142) | 0.00061 (0.00032, 0.00105)    | 279.4 (214.2, 363.2)       | 0.0003196 (0.0002451, 0.0004155) | 0.04189 (0.03443, 0.04993) |
| Jawa Timur | Cervical cancer                               | 55  |                            |                                  |                               | 227.6 (164.0, 298.0)       | 0.0002603 (0.0001877, 0.0003409) | 0.03412 (0.02699, 0.04229) |
| Jawa Timur | Other malignant neoplasms                     | 55  | 686.0 (539.8, 850.1)       | 0.0007311 (0.0005753, 0.0009060) | 0.05522 (0.04946, 0.06242)    | 291.2 (224.7, 371.6)       | 0.0003331 (0.0002571, 0.0004251) | 0.04366 (0.03674, 0.05082) |
| Jawa Timur | Cerebrovascular disease                       | 55  | 2,727.8 (2,180.0, 3,316.6) | 0.0029072 (0.0023234, 0.0035347) | 0.2196 (0.20829, 0.23144)     | 1,585.4 (1,296.7, 1,926.3) | 0.0018137 (0.0014834, 0.0022037) | 0.2377 (0.22638, 0.24957)  |
| Jawa Timur | Ischemic heart disease                        | 55  | 2,483.7 (1,946.1, 3,036.2) | 0.002647 (0.0020740, 0.0032359)  | 0.19988 (0.18752, 0.21128)    | 874.8 (711.9, 1,073.3)     | 0.0010008 (0.0008144, 0.0012279) | 0.13118 (0.12228, 0.14092) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 55  | 444.4 (337.7, 563.7)       | 0.0004736 (0.0003600, 0.0006008) | 0.03578 (0.03104, 0.04100)    | 297.5 (236.0, 375.0)       | 0.0003404 (0.0002700, 0.0004290) | 0.04461 (0.03890, 0.05054) |
| Jawa Timur | Diabetes mellitus                             | 55  | 1,232.0 (968.9, 1,509.1)   | 0.001313 (0.0010327, 0.0016083)  | 0.09918 (0.09050, 0.10882)    | 974.4 (795.3, 1,187.4)     | 0.0011147 (0.0009099, 0.0013584) | 0.14612 (0.13484, 0.15747) |
| Jawa Timur | Chronic kidney disease                        | 55  | 365.1 (278.7, 459.9)       | 0.0003891 (0.0002971, 0.0004901) | 0.0294 (0.02529, 0.03390)     | 182.2 (143.3, 232.6)       | 0.0002085 (0.0001639, 0.0002661) | 0.02732 (0.02336, 0.03167) |
| Jawa Timur | Cirrhosis                                     | 55  | 700.9 (532.5, 877.7)       | 0.000747 (0.0005675, 0.0009354)  | 0.05642 (0.04920, 0.06380)    | 251.8 (199.7, 318.1)       | 0.0002881 (0.0002285, 0.0003639) | 0.03775 (0.03249, 0.04316) |
| Jawa Timur | Chronic respiratory diseases                  | 55  | 581.1 (449.2, 719.8)       | 0.0006193 (0.0004787, 0.0007671) | 0.04679 (0.04094, 0.05295)    | 230.3 (179.7, 288.8)       | 0.0002634 (0.0002055, 0.0003303) | 0.03452 (0.03001, 0.03973) |
| Jawa Timur | Other non-communicable diseases               | 55  | 804.6 (635.5, 993.5)       | 0.0008575 (0.0006773, 0.0010588) | 0.06475 (0.05854, 0.07189)    | 466.6 (378.8, 571.4)       | 0.0005338 (0.0004334, 0.0006537) | 0.06997 (0.06273, 0.07715) |
| Jawa Timur | Drowning                                      | 55  | 16.7 (7.3, 31.6)           | 0.0000178 (0.0000078, 0.0000337) | 0.00134 (0.00062, 0.00247)    | 5.7 (2.4, 11.0)            | 0.0000666 (0.0000028, 0.0000126) | 0.00086 (0.00038, 0.00163) |
| Jawa Timur | Falls                                         | 55  | 153.1 (110.8, 209.4)       | 0.0001631 (0.0001181, 0.0002232) | 0.01233 (0.00927, 0.01584)    | 58.9 (41.3, 80.5)          | 0.0000674 (0.0000472, 0.0000921) | 0.00884 (0.00661, 0.01144) |
| Jawa Timur | Interpersonal violence                        | 55  | 12.6 (7.7, 19.7)           | 0.0000134 (0.0000082, 0.0000210) | 0.00101 (0.00063, 0.00152)    | 4.6 (2.5, 8.0)             | 0.0000053 (0.0000029, 0.0000092) | 0.00069 (0.00040, 0.00116) |
| Jawa Timur | Self-harm                                     | 55  | 29.5 (17.1, 47.3)          | 0.0000314 (0.0000182, 0.0000504) | 0.00237 (0.00147, 0.00364)    | 8.3 (4.7, 13.6)            | 0.0000095 (0.0000054, 0.0000155) | 0.00125 (0.00073, 0.00200) |
| Jawa Timur | Transport injuries                            | 55  | 293.8 (213.7, 391.3)       | 0.0003131 (0.0002277, 0.0004170) | 0.02365 (0.01896, 0.02881)    | 71.5 (51.2, 95.5)          | 0.0000818 (0.0000585, 0.0001093) | 0.01073 (0.00822, 0.01356) |
| Jawa Timur | Other unintentional injuries                  | 55  | 112.7 (78.8, 156.9)        | 0.0001201 (0.0000840, 0.0001673) | 0.00908 (0.00670, 0.01189)    | 30.1 (19.8, 41.9)          | 0.0000344 (0.0000226, 0.0000479) | 0.00451 (0.00316, 0.00601) |
| Jawa Timur | Diarrheal diseases                            | 60  | 288.5 (210.8, 372.1)       | 0.0004544 (0.0003321, 0.0005862) | 0.02039 (0.01656, 0.02450)    | 256.7 (201.2, 321.6)       | 0.0003664 (0.0002872, 0.0004590) | 0.02987 (0.02528, 0.03515) |
| Jawa Timur | HIV/AIDS                                      | 60  | 15.0 (5.7, 28.4)           | 0.0000236 (0.0000090, 0.0000447) | 0.00106 (0.00040, 0.00187)    | 9.9 (3.9, 18.2)            | 0.0000141 (0.0000056, 0.0000260) | 0.00115 (0.00046, 0.00209) |
| Jawa Timur | Lower respiratory infections                  | 60  | 227.4 (167.3, 299.2)       | 0.0003582 (0.0002635, 0.0004714) | 0.01608 (0.01315, 0.01937)    | 154.2 (115.2, 198.2)       | 0.0002201 (0.0001644, 0.0002829) | 0.01794 (0.01460, 0.02159) |
| Jawa Timur | Malaria                                       | 60  | 2.6 (0.5, 7.7)             | 0.0000004 (0.0000008, 0.0000122) | 0.00018 (0.0000004, 0.000055) | 1.1 (0.2, 3.5)             | 0.0000016 (0.0000003, 0.0000049) | 0.00013 (0.00002, 0.00040) |
| Jawa Timur | Tuberculosis                                  | 60  | 1,004.3 (787.0, 1,212.6)   | 0.001582 (0.0012396, 0.0019101)  | 0.07102 (0.06419, 0.07881)    | 425.7 (344.3, 523.1)       | 0.0006076 (0.0004915, 0.0007467) | 0.04952 (0.04335, 0.05616) |
| Jawa Timur | Other communicable diseases                   | 60  | 329.2 (236.9, 426.2)       | 0.0005186 (0.0003732, 0.0006714) | 0.02328 (0.01891, 0.02767)    | 227.3 (172.9, 295.2)       | 0.0003244 (0.0002467, 0.0004214) | 0.02644 (0.02122, 0.03165) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 60  | 260.7 (187.7, 352.2)       | 0.0004106 (0.0002957, 0.0005548) | 0.01843 (0.01440, 0.02297)    | 55.4 (38.6, 76.2)          | 0.0000791 (0.0000551, 0.0001088) | 0.00645 (0.00464, 0.00859) |
| Jawa Timur | Breast cancer                                 | 60  | 7.4 (3.8, 12.9)            | 0.0000117 (0.0000060, 0.0000204) | 0.00052 (0.00028, 0.00087)    | 257.7 (195.0, 331.4)       | 0.0003678 (0.0002783, 0.0004731) | 0.02998 (0.02428, 0.03633) |
| Jawa Timur | Cervical cancer                               | 60  |                            |                                  |                               | 214.8 (157.8, 284.6)       | 0.0003065 (0.0002252, 0.0004062) | 0.02498 (0.01943, 0.03136) |
| Jawa Timur | Other malignant neoplasms                     | 60  | 707.2 (542.4, 879.1)       | 0.0011141 (0.0008544, 0.0013848) | 0.05001 (0.04456, 0.05633)    | 378.6 (299.7, 474.4)       | 0.0005404 (0.0004278, 0.0006771) | 0.04405 (0.03722, 0.05109) |
| Jawa Timur | Cerebrovascular disease                       | 60  | 3,289.4 (2,556.0, 3,903.9) | 0.0051816 (0.0040264, 0.0061495) | 0.23261 (0.22197, 0.24354)    | 2,214.3 (1,856.5, 2,653.6) | 0.0031606 (0.0026498, 0.0037875) | 0.25758 (0.24574, 0.26952) |
| Jawa Timur | Ischemic heart disease                        | 60  | 2,726.3 (2,102.8, 3,288.2) | 0.0042946 (0.0033124, 0.0051796) | 0.19273 (0.18324, 0.20357)    | 1,142.4 (954.9, 1,375.5)   | 0.0016306 (0.0013630, 0.0019632) | 0.13291 (0.12423, 0.14233) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 60  | 550.7 (415.5, 680.1)       | 0.0008675 (0.0006544, 0.0010714) | 0.03895 (0.03421, 0.04422)    | 406.8 (325.2, 504.7)       | 0.0005807 (0.0004641, 0.0007203) | 0.04732 (0.04153, 0.05339) |
| Jawa Timur | Diabetes mellitus                             | 60  | 1,230.0 (945.7, 1,505.3)   | 0.0019375 (0.0014897, 0.0023712) | 0.08697 (0.07881, 0.09554)    | 1,113.3 (924.4, 1,352.9)   | 0.001589 (0.0013194, 0.0019310)  | 0.12954 (0.11901, 0.14027) |
| Jawa Timur | Chronic kidney disease                        | 60  | 378.4 (284.5, 472.8)       | 0.000596 (0.0004482, 0.0007448)  | 0.02677 (0.02303, 0.03074)    | 210.9 (167.4, 267.5)       | 0.000301 (0.0002390, 0.0003818)  | 0.02453 (0.02110, 0.02859) |
| Jawa Timur | Cirrhosis                                     | 60  | 658.5 (498.8, 815.9)       | 0.0010372 (0.0007857, 0.0012853) | 0.04657 (0.04064, 0.05275)    | 277.9 (223.1, 348.1)       | 0.0003966 (0.0003184, 0.0004969) | 0.03233 (0.02770, 0.03692) |
| Jawa Timur | Chronic respiratory diseases                  | 60  | 930.0 (721.5, 1,138.3)     | 0.0014649 (0.0011365, 0.0017932) | 0.06577 (0.05881, 0.07324)    | 405.1 (328.9, 492.1)       | 0.0005782 (0.0004695, 0.0007024) | 0.04713 (0.04161, 0.05293) |
| Jawa Timur | Other non-communicable diseases               | 60  | 1,004.3 (780.9, 1,231.7)   | 0.0015821 (0.0012301, 0.0019402) | 0.07101 (0.06433, 0.07791)    | 661.0 (541.4, 802.3)       | 0.0009434 (0.0007727, 0.0011451) | 0.07689 (0.06970, 0.08441) |
| Jawa Timur | Drowning                                      | 60  | 12.4 (5.4, 23.5)           | 0.0000196 (0.0000085, 0.0000371) | 0.00088 (0.00038, 0.00158)    | 5.5 (2.1, 10.7)            | 0.0000078 (0.0000031, 0.0000153) | 0.00064 (0.00025, 0.00125) |
| Jawa Timur | Falls                                         | 60  | 131.8 (89.5, 181.6)        | 0.0002077 (0.0001409, 0.0002861) | 0.00933 (0.00687, 0.01243)    | 62.3 (44.1, 85.9)          | 0.0000889 (0.0000630, 0.0001226) | 0.00725 (0.00541, 0.00943) |
| Jawa Timur | Interpersonal violence                        | 60  | 9.5 (5.4, 15.4)            | 0.000015 (0.0000086, 0.0000243)  | 0.00067 (0.00041, 0.00108)    | 3.8 (2.0, 7.3)             | 0.0000055 (0.0000028, 0.0000103) | 0.00045 (0.00024, 0.00082) |
| Jawa Timur | Self-harm                                     | 60  | 25.6 (15.0, 40.6)          | 0.0000403 (0.0000236, 0.0000640) | 0.00181 (0.00114, 0.00274)    | 7.7 (4.2, 12.9)            | 0.000011 (0.0000061, 0.0000184)  | 0.0009 (0.00052, 0.00145)  |
| Jawa Timur | Transport injuries                            | 60  | 255.8 (182.8, 339.0)       | 0.000403 (0.0002880, 0.0005340)  | 0.01808 (0.01436, 0.02231)    | 73.8 (53.7, 98.1)          | 0.0001054 (0.0000767, 0.0001400) | 0.00859 (0.00652, 0.01096) |
| Jawa Timur | Other unintentional injuries                  | 60  | 96.8 (65.1, 131.8)         | 0.0001526 (0.0001026, 0.0002076) | 0.00685 (0.00492, 0.00912)    | 29.7 (19.6, 42.5)          | 0.0000423 (0.0000279, 0.0000606) | 0.00345 (0.00236, 0.00474) |
| Jawa Timur | Diarrheal diseases                            | 65  | 503.5 (366.3, 646.0)       | 0.001009 (0.0007341, 0.0012946)  | 0.03186 (0.02670, 0.03731)    | 481.1 (383.9, 597.4)       | 0.0008332 (0.0006648, 0.0010345) | 0.04554 (0.03927, 0.05203) |
| Jawa Timur | HIV/AIDS                                      | 65  | 15.5 (6.7, 28.1)           | 0.0000311 (0.0000134, 0.0000563) | 0.00098 (0.00044, 0.00177)    | 11.0 (4.8, 20.5)           | 0.000019 (0.0000083, 0.0000354)  | 0.00104 (0.00046, 0.00187) |
| Jawa Timur | Lower respiratory infections                  | 65  | 288.4 (209.6, 376.1)       | 0.000578 (0.0004200, 0.0007537)  | 0.01825 (0.01508, 0.02218)    | 221.7 (171.7, 284.4)       | 0.0003839 (0.0002973, 0.0004925) | 0.02098 (0.01745, 0.02501) |
| Jawa Timur | Malaria                                       | 65  | 2.7 (0.5, 8.0)             | 0.0000055 (0.0000011, 0.0000160) | 0.00017 (0.00003, 0.000050)   | 1.1 (0.2, 3.7)             | 0.000002 (0.0000003, 0.0000064)  | 0.00011 (0.00002, 0.00033) |
| Jawa Timur | Tuberculosis                                  | 65  | 1,131.4 (862.4, 1,397.4)   | 0.0022675 (0.0017283, 0.0028005) | 0.0716 (0.06455, 0.07889)     | 487.7 (389.5, 608.3)       | 0.0008445 (0.0006744, 0.0010534) | 0.04615 (0.04024, 0.05241) |
| Jawa Timur | Other communicable diseases                   | 65  | 338.1 (240.4, 444.4)       | 0.0006776 (0.0004819, 0.0008905) | 0.02139 (0.01741, 0.02583)    | 259.4 (195.6, 342.1)       | 0.0004492 (0.0003388, 0.0005924) | 0.02455 (0.01954, 0.02992) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 65  | 264.5 (184.5, 366.0)       | 0.0005301 (0.0003698, 0.0007336) | 0.01673 (0.01319, 0.02150)    | 51.3 (34.9, 71.5)          | 0.0000888 (0.0000604, 0.0001238) | 0.00485 (0.00347, 0.00648) |
| Jawa Timur | Breast cancer                                 | 65  | 6.6 (3.0, 12.1)            | 0.0000133 (0.0000061, 0.0000242) | 0.00042 (0.00020, 0.00072)    | 208.1 (155.6, 276.0)       | 0.0003604 (0.0002694, 0.0004780) | 0.0197 (0.01564, 0.02460)  |
| Jawa Timur | Cervical cancer                               | 65  |                            |                                  |                               | 176.5 (125.9, 246.3)       | 0.0003056 (0.0002181, 0.0004265) | 0.01669 (0.01252, 0.02190) |
| Jawa Timur | Other malignant neoplasms                     | 65  | 627.0 (478.6, 777.5)       | 0.0012565 (0.0009592, 0.0015581) | 0.03966 (0.03522, 0.04473)    | 436.0 (342.0, 551.7)       | 0.000755 (0.0005922, 0.0009554)  | 0.04126 (0.03499, 0.04807) |
| Jawa Timur | Cerebrovascular disease                       | 65  | 3,883.9 (2,972.8, 4,619.4) | 0.0077835 (0.0059577, 0.0092574) | 0.24575 (0.23424, 0.25712)    | 2,950.7 (2,430.9, 3,511.6) |                                  |                            |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|------------|-----------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|            |                                               |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Jawa Timur | Ischemic heart disease                        | 65  | 2,991.3 (2,291.3, 3,591.5) | 0.0059946 (0.0045918, 0.0071975) | 0.18924 (0.17806, 0.20001) | 1,378.9 (1,134.9, 1,672.6) | 0.0023878 (0.0019653, 0.0028963) | 0.13051 (0.12129, 0.13940) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 65  | 690.4 (517.8, 857.8)       | 0.0013836 (0.0010376, 0.0017190) | 0.04369 (0.03871, 0.04945) | 555.9 (448.6, 683.2)       | 0.0009626 (0.0007768, 0.0011830) | 0.0526 (0.04678, 0.05905)  |
| Jawa Timur | Diabetes mellitus                             | 65  | 1,114.7 (850.0, 1,382.3)   | 0.0022339 (0.0017035, 0.0027702) | 0.07054 (0.06406, 0.07778) | 1,123.4 (927.9, 1,369.8)   | 0.0019454 (0.0016069, 0.0023720) | 0.10634 (0.09743, 0.11622) |
| Jawa Timur | Chronic kidney disease                        | 65  | 397.9 (295.0, 504.2)       | 0.0007974 (0.0005911, 0.0010105) | 0.02518 (0.02148, 0.02912) | 238.5 (185.6, 301.5)       | 0.000413 (0.0003214, 0.0005221)  | 0.02256 (0.01926, 0.02615) |
| Jawa Timur | Cirrhosis                                     | 65  | 583.1 (434.4, 729.4)       | 0.0011686 (0.0008705, 0.0014617) | 0.0369 (0.03221, 0.04236)  | 285.1 (225.5, 360.3)       | 0.0004938 (0.0003905, 0.0006239) | 0.02698 (0.02314, 0.03097) |
| Jawa Timur | Chronic respiratory diseases                  | 65  | 1,173.0 (891.2, 1,435.9)   | 0.0023508 (0.0017861, 0.0028776) | 0.07424 (0.06702, 0.08258) | 556.4 (441.7, 677.4)       | 0.0009634 (0.0007649, 0.0011729) | 0.05266 (0.04685, 0.05929) |
| Jawa Timur | Other non-communicable diseases               | 65  | 1,277.4 (974.1, 1,559.9)   | 0.00256 (0.0019522, 0.0031261)   | 0.08081 (0.07335, 0.08803) | 934.9 (772.9, 1,132.6)     | 0.001619 (0.0013384, 0.0019612)  | 0.08848 (0.08144, 0.09573) |
| Jawa Timur | Drowning                                      | 65  | 11.0 (4.5, 22.2)           | 0.000022 (0.0000089, 0.0000444)  | 0.00069 (0.00029, 0.00132) | 6.3 (2.4, 13.0)            | 0.0000108 (0.0000041, 0.0000226) | 0.00059 (0.00023, 0.00121) |
| Jawa Timur | Falls                                         | 65  | 148.5 (98.1, 207.5)        | 0.0002977 (0.0001967, 0.0004158) | 0.0094 (0.00698, 0.01226)  | 84.8 (59.8, 117.6)         | 0.0001468 (0.0001036, 0.0002036) | 0.00803 (0.00606, 0.01060) |
| Jawa Timur | Interpersonal violence                        | 65  | 7.9 (4.2, 14.3)            | 0.0000159 (0.0000084, 0.0000286) | 0.0005 (0.00028, 0.00088)  | 3.2 (1.5, 6.4)             | 0.0000056 (0.0000026, 0.0000110) | 0.00031 (0.00015, 0.00061) |
| Jawa Timur | Self-harm                                     | 65  | 24.3 (13.5, 39.8)          | 0.0000488 (0.0000270, 0.0000797) | 0.00154 (0.00091, 0.00249) | 7.2 (3.7, 12.5)            | 0.0000125 (0.0000065, 0.0000216) | 0.00068 (0.00037, 0.00116) |
| Jawa Timur | Transport injuries                            | 65  | 228.6 (159.4, 310.0)       | 0.000458 (0.0003193, 0.0006213)  | 0.01445 (0.01122, 0.01798) | 75.9 (51.3, 104.9)         | 0.0001314 (0.0000888, 0.0001816) | 0.00718 (0.00522, 0.00939) |
| Jawa Timur | Other unintentional injuries                  | 65  | 94.6 (64.0, 133.4)         | 0.0001897 (0.0001283, 0.0002672) | 0.00599 (0.00437, 0.00779) | 31.7 (20.1, 45.0)          | 0.0000549 (0.0000348, 0.0000780) | 0.003 (0.00205, 0.00417)   |
| Jawa Timur | Diarrheal diseases                            | 70  | 765.6 (569.3, 956.2)       | 0.0022269 (0.0016560, 0.0027812) | 0.04392 (0.03840, 0.04945) | 833.9 (670.6, 999.8)       | 0.001744 (0.0014025, 0.0020909)  | 0.05888 (0.05218, 0.06609) |
| Jawa Timur | HIV/AIDS                                      | 70  | 22.5 (9.9, 42.4)           | 0.0000654 (0.0000287, 0.0001233) | 0.00129 (0.00061, 0.00247) | 18.4 (8.1, 35.3)           | 0.0000384 (0.0000169, 0.0000738) | 0.00113 (0.00059, 0.00255) |
| Jawa Timur | Lower respiratory infections                  | 70  | 414.5 (298.9, 538.4)       | 0.0012056 (0.0008693, 0.0015660) | 0.02378 (0.02003, 0.02821) | 376.3 (290.3, 470.0)       | 0.000787 (0.0006072, 0.0009828)  | 0.02656 (0.02246, 0.03133) |
| Jawa Timur | Malaria                                       | 70  | 2.6 (0.5, 7.9)             | 0.0000075 (0.0000014, 0.0000231) | 0.00015 (0.00003, 0.00044) | 1.2 (0.2, 3.9)             | 0.0000026 (0.0000005, 0.0000081) | 0.00009 (0.00002, 0.00026) |
| Jawa Timur | Tuberculosis                                  | 70  | 1,226.3 (927.2, 1,493.2)   | 0.0035669 (0.0026971, 0.0043433) | 0.07035 (0.06345, 0.07763) | 633.4 (506.8, 770.8)       | 0.0013247 (0.0010599, 0.0016120) | 0.04471 (0.03938, 0.05091) |
| Jawa Timur | Other communicable diseases                   | 70  | 388.4 (274.8, 514.7)       | 0.0011296 (0.0007992, 0.0014972) | 0.02228 (0.01857, 0.02685) | 340.6 (259.4, 445.9)       | 0.0007123 (0.0005424, 0.0009325) | 0.02403 (0.01958, 0.02955) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 70  | 243.9 (167.9, 334.0)       | 0.0007093 (0.0004885, 0.0009716) | 0.01399 (0.01090, 0.01767) | 56.8 (37.3, 80.7)          | 0.0001189 (0.0000780, 0.0001689) | 0.00401 (0.00276, 0.00555) |
| Jawa Timur | Breast cancer                                 | 70  | 5.2 (2.0, 10.6)            | 0.0000151 (0.0000057, 0.0000309) | 0.0003 (0.00012, 0.00057)  | 166.1 (119.0, 222.7)       | 0.0003473 (0.0002489, 0.0004657) | 0.01172 (0.00884, 0.01501) |
| Jawa Timur | Cervical cancer                               | 70  |                            |                                  |                            | 134.4 (90.9, 190.3)        | 0.0002811 (0.0001900, 0.0003979) | 0.00949 (0.00666, 0.01293) |
| Jawa Timur | Other malignant neoplasms                     | 70  | 516.6 (384.9, 637.4)       | 0.0015025 (0.0011197, 0.0018541) | 0.02963 (0.02625, 0.03339) | 473.1 (369.8, 598.2)       | 0.0009894 (0.0007734, 0.0012511) | 0.03339 (0.02850, 0.03905) |
| Jawa Timur | Cerebrovascular disease                       | 70  | 4,386.6 (3,340.4, 5,192.4) | 0.0127595 (0.0097162, 0.0151033) | 0.25164 (0.23920, 0.26260) | 4,141.1 (3,408.6, 4,870.2) | 0.0086602 (0.0071284, 0.0101850) | 0.29222 (0.27896, 0.30450) |
| Jawa Timur | Ischemic heart disease                        | 70  | 3,125.1 (2,381.4, 3,724.7) | 0.0090901 (0.0069270, 0.0108341) | 0.17924 (0.16960, 0.18894) | 1,878.8 (1,542.6, 2,251.6) | 0.0039291 (0.0032259, 0.0047087) | 0.1326 (0.12363, 0.14138)  |
| Jawa Timur | Other cardiovascular and circulatory diseases | 70  | 824.7 (613.4, 1,015.9)     | 0.0023987 (0.0017842, 0.0029551) | 0.04731 (0.04244, 0.05316) | 804.8 (643.0, 972.8)       | 0.0016831 (0.0013447, 0.0020345) | 0.0568 (0.05076, 0.06432)  |
| Jawa Timur | Diabetes mellitus                             | 70  | 899.4 (677.3, 1,100.5)     | 0.0026162 (0.0019700, 0.0032011) | 0.05161 (0.04670, 0.05736) | 1,142.5 (926.3, 1,379.4)   | 0.0023892 (0.0019371, 0.0028847) | 0.08065 (0.07319, 0.08901) |
| Jawa Timur | Chronic kidney disease                        | 70  | 370.1 (271.7, 469.0)       | 0.0010767 (0.0007904, 0.0013642) | 0.02124 (0.01822, 0.02455) | 276.8 (214.2, 350.5)       | 0.0005789 (0.0004479, 0.0007330) | 0.01953 (0.01649, 0.02302) |
| Jawa Timur | Cirrhosis                                     | 70  | 543.6 (398.3, 682.1)       | 0.0015811 (0.0011585, 0.0019842) | 0.03118 (0.02705, 0.03549) | 330.1 (257.2, 415.1)       | 0.0006903 (0.0005378, 0.0008682) | 0.02329 (0.01967, 0.02683) |
| Jawa Timur | Chronic respiratory diseases                  | 70  | 1,593.2 (1,205.9, 1,934.1) | 0.0046342 (0.0035076, 0.0056258) | 0.09142 (0.08336, 0.09979) | 894.0 (725.3, 1,071.0)     | 0.0018697 (0.0015168, 0.0022397) | 0.0631 (0.05617, 0.06985)  |
| Jawa Timur | Other non-communicable diseases               | 70  | 1,547.9 (1,170.3, 1,877.7) | 0.0045024 (0.0034040, 0.0054618) | 0.08878 (0.08170, 0.09628) | 1,392.4 (1,136.1, 1,673.1) | 0.0029118 (0.0023759, 0.0034989) | 0.09827 (0.09063, 0.10663) |
| Jawa Timur | Drowning                                      | 70  | 20.6 (9.8, 39.1)           | 0.0000599 (0.0000286, 0.0001136) | 0.00118 (0.00059, 0.00203) | 13.7 (6.3, 25.7)           | 0.0000287 (0.0000132, 0.0000538) | 0.00097 (0.00047, 0.00179) |
| Jawa Timur | Falls                                         | 70  | 180.1 (121.9, 246.9)       | 0.0005239 (0.0003546, 0.0007183) | 0.01034 (0.00775, 0.01328) | 121.1 (87.9, 160.7)        | 0.0002532 (0.0001837, 0.0003361) | 0.00855 (0.00647, 0.01094) |
| Jawa Timur | Interpersonal violence                        | 70  | 5.8 (2.6, 10.8)            | 0.0000168 (0.0000076, 0.0000314) | 0.00033 (0.00016, 0.00062) | 2.8 (1.1, 6.0)             | 0.0000059 (0.0000023, 0.0000125) | 0.0002 (0.00008, 0.00043)  |
| Jawa Timur | Self-harm                                     | 70  | 20.6 (11.5, 33.8)          | 0.00006 (0.0000335, 0.0000985)   | 0.00118 (0.00069, 0.00189) | 7.3 (3.7, 13.0)            | 0.0000152 (0.0000078, 0.0000272) | 0.00051 (0.00028, 0.00091) |
| Jawa Timur | Transport injuries                            | 70  | 232.6 (157.6, 317.0)       | 0.0006765 (0.0004584, 0.0009220) | 0.01333 (0.01032, 0.01681) | 91.1 (61.6, 126.6)         | 0.0001904 (0.0001288, 0.0002648) | 0.00643 (0.00470, 0.00857) |
| Jawa Timur | Other unintentional injuries                  | 70  | 96.6 (64.8, 134.0)         | 0.0002811 (0.0001885, 0.0003897) | 0.00555 (0.00398, 0.00732) | 38.4 (24.3, 56.7)          | 0.0000803 (0.0000508, 0.0001185) | 0.00271 (0.00182, 0.00394) |
| Jawa Timur | Diarrheal diseases                            | 75  | 700.9 (511.5, 873.7)       | 0.0036183 (0.0026404, 0.0045106) | 0.05145 (0.04482, 0.05809) | 924.9 (736.2, 1,107.4)     | 0.0031234 (0.0024861, 0.0037396) | 0.06723 (0.06025, 0.07477) |
| Jawa Timur | HIV/AIDS                                      | 75  | 13.7 (6.0, 27.3)           | 0.0000709 (0.0000309, 0.0001411) | 0.00101 (0.00047, 0.00191) | 13.3 (5.6, 26.4)           | 0.0000045 (0.0000189, 0.0000892) | 0.00097 (0.00042, 0.00188) |
| Jawa Timur | Lower respiratory infections                  | 75  | 335.6 (243.5, 436.5)       | 0.0017327 (0.0012570, 0.0022533) | 0.02463 (0.02034, 0.02922) | 370.7 (285.0, 466.4)       | 0.0012517 (0.0009626, 0.0015751) | 0.02692 (0.02258, 0.03138) |
| Jawa Timur | Malaria                                       | 75  | 2.1 (0.4, 5.9)             | 0.0000106 (0.0000020, 0.0000306) | 0.00015 (0.00003, 0.00045) | 1.1 (0.2, 3.5)             | 0.0000039 (0.0000006, 0.0000119) | 0.00008 (0.00001, 0.00025) |
| Jawa Timur | Tuberculosis                                  | 75  | 826.2 (606.2, 1,027.2)     | 0.0042654 (0.0031294, 0.0053030) | 0.06065 (0.05413, 0.06781) | 496.3 (389.9, 613.8)       | 0.001676 (0.0013167, 0.0020728)  | 0.03607 (0.03109, 0.04139) |
| Jawa Timur | Other communicable diseases                   | 75  | 284.5 (192.8, 378.9)       | 0.0014687 (0.0009955, 0.0019562) | 0.02087 (0.01675, 0.02567) | 306.4 (226.7, 405.3)       | 0.0010348 (0.0007656, 0.0013686) | 0.02227 (0.01773, 0.02756) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 75  | 165.0 (109.1, 233.6)       | 0.0008516 (0.0005632, 0.0012057) | 0.01211 (0.00906, 0.01590) | 41.9 (26.6, 61.1)          | 0.0001413 (0.0000899, 0.0002064) | 0.00304 (0.00206, 0.00429) |
| Jawa Timur | Breast cancer                                 | 75  | 2.8 (0.9, 6.3)             | 0.0000147 (0.0000049, 0.0000324) | 0.00021 (0.00008, 0.00044) | 103.1 (68.8, 145.7)        | 0.0003481 (0.0002325, 0.0004920) | 0.0075 (0.00533, 0.01018)  |
| Jawa Timur | Cervical cancer                               | 75  |                            |                                  |                            | 78.7 (49.4, 123.7)         | 0.0002658 (0.0001668, 0.0004177) | 0.00572 (0.00384, 0.00836) |
| Jawa Timur | Other malignant neoplasms                     | 75  | 309.5 (225.5, 392.6)       | 0.0015976 (0.0011643, 0.0020267) | 0.02272 (0.01973, 0.02610) | 391.8 (301.4, 492.2)       | 0.0013229 (0.0010178, 0.0016622) | 0.02847 (0.02414, 0.03311) |
| Jawa Timur | Cerebrovascular disease                       | 75  | 3,416.3 (2,530.1, 4,091.4) | 0.0176365 (0.0130616, 0.0211216) | 0.25078 (0.23862, 0.26248) | 4,084.4 (3,343.1, 4,832.5) | 0.0137928 (0.0112894, 0.0163191) | 0.29677 (0.28454, 0.30920) |
| Jawa Timur | Ischemic heart disease                        | 75  | 2,645.4 (1,968.5, 3,189.7) | 0.013657 (0.0101623, 0.0164664)  | 0.19419 (0.18275, 0.20543) | 2,000.6 (1,626.7, 2,391.1) | 0.0067561 (0.0054932, 0.0080748) | 0.14538 (0.13541, 0.15554) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 75  | 665.1 (485.1, 838.4)       | 0.0034337 (0.0025045, 0.0043281) | 0.04881 (0.04327, 0.05588) | 809.2 (640.3, 995.5)       | 0.0027326 (0.0021623, 0.0033616) | 0.05879 (0.05228, 0.06684) |
| Jawa Timur | Diabetes mellitus                             | 75  | 593.8 (433.9, 742.9)       | 0.0030655 (0.0022402, 0.0038351) | 0.04358 (0.03853, 0.04874) | 943.0 (752.3, 1,140.1)     | 0.0031845 (0.0025405, 0.0038501) | 0.06855 (0.06128, 0.07621) |
| Jawa Timur | Chronic kidney disease                        | 75  | 261.8 (188.8, 331.7)       | 0.0013514 (0.0009747, 0.0017125) | 0.01922 (0.01623, 0.02222) | 241.3 (186.4, 306.2)       | 0.0008148 (0.0006296, 0.0010339) | 0.01753 (0.01474, 0.02041) |
| Jawa Timur | Cirrhosis                                     | 75  | 370.5 (265.6, 472.1)       | 0.0019125 (0.0013710, 0.0024370) | 0.02719 (0.02331, 0.03127) | 285.5 (221.5, 358.5)       | 0.0009642 (0.0007479, 0.0012107) | 0.02074 (0.01771, 0.02394) |
| Jawa Timur | Chronic respiratory diseases                  | 75  | 1,237.4 (917.9, 1,512.8)   | 0.006388 (0.0047388, 0.0078098)  | 0.09086 (0.08245, 0.09991) | 846.8 (675.2, 1,019.9)     | 0.0028595 (0.0022802, 0.0034443) | 0.06155 (0.05491, 0.06842) |
| Jawa Timur | Other non-communicable diseases               | 75  | 1,385.2 (1,025.6, 1,690.4) | 0.0071509 (0.0052946, 0.0087268) | 0.10168 (0.09413, 0.11017) | 1,565.2 (1,270.2, 1,860.9) | 0.0052855 (0.0042895, 0.0062840) | 0.11376 (0.10521, 0.12216) |
| Jawa Timur | Drowning                                      | 75  | 21.5 (10.3, 41.0)          | 0.0001109 (0.0000534, 0.0002115) | 0.00158 (0.00081, 0.00284) | 17.9 (8.8, 34.7)           | 0.0000065 (0.0000299, 0.0001173) | 0.0013 (0.00066, 0.00244)  |
| Jawa Timur | Falls                                         | 75  | 163.7 (111.0, 224.4)       | 0.000845 (0.0005728, 0.0011584)  | 0.01202 (0.00899, 0.01551) | 135.2 (96.1, 183.0)        | 0.0004565 (0.0003244, 0.0006179) | 0.00983 (0.00733, 0.01266) |
| Jawa Timur | Interpersonal violence                        | 75  | 3.5 (1.2, 8.1)             | 0.000018 (0.0000063, 0.0000420)  | 0.00026 (0.00010, 0.00059) | 1.9 (0.6, 4.9)             | 0.0000065 (0.0000021, 0.0000166) | 0.00014 (0.00005, 0.00037) |
| Jawa Timur | Self-harm                                     | 75  | 15.2 (7.6, 25.6)           | 0.0000783 (0.0000392, 0.0001319) | 0.00111 (0.00062, 0.00184) | 6.0 (2.9, 11.1)            | 0.0000204 (0.0000097, 0.0000374) | 0.00044 (0.00022, 0.00078) |
| Jawa Timur | Transport injuries                            | 75  | 131.9 (83.3, 194.0)        | 0.0006807 (0.0004299, 0.0010016) | 0.00967 (0.00681, 0.01303) | 62.2 (30.8, 93.0)          | 0.00021 (0.0001318, 0.0003139)   | 0.00452 (0.00303, 0.00639) |
| Jawa Timur | Other unintentional injuries                  | 75  | 71.2 (45.8, 103.2)         | 0.0003673 (0.0002367, 0.0005328) | 0.00523 (0.00365, 0.00737) | 33.5 (20.9, 51.1)          | 0.000113 (0.0000701, 0           |                            |

Aim 2 Supplementary Tables

| Location   | Cause group                                              | Age | Males                         |                                   |                               | Females                       |                                  |                             |
|------------|----------------------------------------------------------|-----|-------------------------------|-----------------------------------|-------------------------------|-------------------------------|----------------------------------|-----------------------------|
|            |                                                          |     | Deaths (95% UI)               | CSMR (95% UI)                     | CF (95% UI)                   | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                 |
| Jawa Timur | Diarrheal diseases                                       | 80  | 1,682.3 (1,365.4, 1,981.2)    | 0.0117791 (0.0095599, 0.0138719)  | 0.0842 (0.07564, 0.09325)     | 2,763.3 (2,367.2, 3,159.9)    | 0.0113176 (0.0096952, 0.0129421) | 0.09834 (0.08975, 0.10729)  |
| Jawa Timur | HIV/AIDS                                                 | 80  | 21.3 (6.9, 50.0)              | 0.0001492 (0.0000480, 0.0003504)  | 0.00107 (0.00037, 0.00247)    | 27.5 (9.9, 67.8)              | 0.0001125 (0.0000404, 0.0002775) | 0.00098 (0.00034, 0.00241)  |
| Jawa Timur | Lower respiratory infections                             | 80  | 578.7 (453.0, 724.2)          | 0.0040523 (0.0031719, 0.0050704)  | 0.02898 (0.02382, 0.03483)    | 832.6 (666.4, 1,009.4)        | 0.00341 (0.0027295, 0.0041341)   | 0.02962 (0.02475, 0.03491)  |
| Jawa Timur | Malaria                                                  | 80  | 3.2 (0.6, 10.0)               | 0.0000226 (0.0000039, 0.0000700)  | 0.00016 (0.0000033, 0.000049) | 2.5 (0.4, 7.8)                | 0.0000101 (0.0000016, 0.0000321) | 0.00009 (0.00001, 0.00028)  |
| Jawa Timur | Tuberculosis                                             | 80  | 1,121.5 (896.7, 1,331.8)      | 0.0078525 (0.0062787, 0.0093248)  | 0.05615 (0.04890, 0.06313)    | 985.9 (813.8, 1,166.8)        | 0.004038 (0.0033330, 0.0047788)  | 0.03509 (0.03030, 0.04024)  |
| Jawa Timur | Other communicable diseases                              | 80  | 464.6 (350.0, 595.2)          | 0.0032533 (0.0024508, 0.0041674)  | 0.02325 (0.01865, 0.02849)    | 609.5 (481.0, 775.0)          | 0.0024963 (0.0019701, 0.0031743) | 0.02169 (0.01739, 0.02689)  |
| Jawa Timur | Tracheal, bronchus, and lung cancer                      | 80  | 186.4 (124.6, 271.3)          | 0.001305 (0.0008726, 0.0018998)   | 0.00933 (0.00653, 0.01334)    | 70.9 (43.5, 110.1)            | 0.0002906 (0.0001782, 0.0004510) | 0.00252 (0.00154, 0.00383)  |
| Jawa Timur | Breast cancer                                            | 80  | 3.2 (1.0, 8.2)                | 0.0000226 (0.0000068, 0.0000574)  | 0.00016 (0.00005, 0.00040)    | 145.7 (88.2, 225.0)           | 0.0005968 (0.0003612, 0.0009216) | 0.00519 (0.00324, 0.00789)  |
| Jawa Timur | Cervical cancer                                          | 80  |                               |                                   |                               | 92.1 (50.2, 157.2)            | 0.0003771 (0.0002056, 0.0006440) | 0.00327 (0.00178, 0.00554)  |
| Jawa Timur | Other malignant neoplasms                                | 80  | 371.9 (289.2, 464.2)          | 0.0026042 (0.0020249, 0.0032504)  | 0.01862 (0.01552, 0.02205)    | 642.5 (497.2, 791.7)          | 0.0026317 (0.0020365, 0.0032424) | 0.02287 (0.01857, 0.02774)  |
| Jawa Timur | Cerebrovascular disease                                  | 80  | 4,984.8 (4,098.0, 5,681.6)    | 0.0349022 (0.0286933, 0.0397811)  | 0.24952 (0.23697, 0.26117)    | 8,239.2 (7,243.7, 9,238.9)    | 0.0337456 (0.0296682, 0.0378400) | 0.29319 (0.28035, 0.30600)  |
| Jawa Timur | Ischemic heart disease                                   | 80  | 3,509.3 (2,902.6, 4,021.6)    | 0.0245714 (0.0203230, 0.0281582)  | 0.17565 (0.16408, 0.18711)    | 4,007.4 (3,468.2, 4,541.2)    | 0.0164132 (0.0142047, 0.0185994) | 0.14262 (0.13227, 0.15278)  |
| Jawa Timur | Other cardiovascular and circulatory diseases            | 80  | 915.4 (728.6, 1,105.3)        | 0.0064092 (0.0051012, 0.0077393)  | 0.04582 (0.03955, 0.05223)    | 1,536.4 (1,284.1, 1,840.4)    | 0.0062925 (0.0052592, 0.0075378) | 0.05467 (0.04796, 0.06218)  |
| Jawa Timur | Diabetes mellitus                                        | 80  | 688.7 (537.6, 833.6)          | 0.0048221 (0.0037642, 0.0058367)  | 0.03446 (0.02951, 0.03975)    | 1,565.9 (1,306.9, 1,858.4)    | 0.0064136 (0.0053526, 0.0076114) | 0.05573 (0.04854, 0.06385)  |
| Jawa Timur | Chronic kidney disease                                   | 80  | 313.6 (234.6, 396.1)          | 0.0021958 (0.0016428, 0.0027734)  | 0.0157 (0.01286, 0.01901)     | 420.8 (331.6, 534.6)          | 0.0017233 (0.0013581, 0.0021897) | 0.01497 (0.01218, 0.01807)  |
| Jawa Timur | Cirrhosis                                                | 80  | 454.9 (349.5, 566.8)          | 0.0031853 (0.0024469, 0.0039685)  | 0.02277 (0.01848, 0.02725)    | 474.4 (373.6, 587.9)          | 0.001943 (0.0015300, 0.0024078)  | 0.01688 (0.01373, 0.02019)  |
| Jawa Timur | Chronic respiratory diseases                             | 80  | 1,850.8 (1,516.7, 2,159.1)    | 0.0129589 (0.0106196, 0.0151178)  | 0.09267 (0.08396, 0.10195)    | 1,714.9 (1,462.7, 1,975.5)    | 0.0070236 (0.0059909, 0.0080913) | 0.06105 (0.05418, 0.06805)  |
| Jawa Timur | Other non-communicable diseases                          | 80  | 2,237.3 (1,819.8, 2,632.9)    | 0.0156649 (0.0127418, 0.0184351)  | 0.11195 (0.10216, 0.12184)    | 3,484.5 (2,968.7, 3,941.0)    | 0.0142716 (0.0121591, 0.0161412) | 0.124 (0.11345, 0.13378)    |
| Jawa Timur | Drowning                                                 | 80  | 29.2 (12.6, 59.1)             | 0.0002042 (0.0000880, 0.0004138)  | 0.00146 (0.00065, 0.00290)    | 27.8 (11.7, 54.7)             | 0.0001137 (0.0000480, 0.0002241) | 0.00099 (0.00043, 0.00199)  |
| Jawa Timur | Falls                                                    | 80  | 292.9 (205.8, 391.7)          | 0.0020509 (0.0014410, 0.0027426)  | 0.01465 (0.01097, 0.01898)    | 293.2 (220.2, 374.5)          | 0.0012008 (0.0009017, 0.0015339) | 0.01044 (0.00796, 0.01328)  |
| Jawa Timur | Interpersonal violence                                   | 80  | 3.7 (0.8, 9.9)                | 0.0000256 (0.0000059, 0.0000692)  | 0.00018 (0.00004, 0.00050)    | 2.9 (0.7, 8.2)                | 0.0000118 (0.0000029, 0.0000337) | 0.0001 (0.00003, 0.00029)   |
| Jawa Timur | Self-harm                                                | 80  | 19.2 (8.9, 36.4)              | 0.0001348 (0.0000623, 0.0002552)  | 0.00096 (0.00044, 0.00181)    | 11.2 (4.9, 21.7)              | 0.000046 (0.0000020, 0.0000890)  | 0.0004 (0.00018, 0.00076)   |
| Jawa Timur | Transport injuries                                       | 80  | 154.4 (99.6, 220.2)           | 0.0010813 (0.0006976, 0.0015419)  | 0.00773 (0.00522, 0.01082)    | 92.4 (58.1, 138.8)            | 0.0003786 (0.0002381, 0.0005685) | 0.00329 (0.00212, 0.00479)  |
| Jawa Timur | Other unintentional injuries                             | 80  | 91.0 (54.3, 137.7)            | 0.0006373 (0.0003800, 0.0009640)  | 0.00456 (0.00276, 0.00677)    | 56.7 (33.3, 90.3)             | 0.0002322 (0.0001363, 0.0003697) | 0.00202 (0.00119, 0.00315)  |
| Jawa Timur | Diarrheal diseases                                       | All | 6,024.5 (4,846.0, 7,241.7)    | 0.0003041 (0.0002446, 0.0003655)  | 0.04157 (0.03708, 0.04626)    | 7,017.8 (5,916.3, 8,128.0)    | 0.0003459 (0.0002916, 0.0004006) | 0.06351 (0.05775, 0.06969)  |
| Jawa Timur | HIV/AIDS                                                 | All | 1,249.2 (934.6, 1,687.1)      | 0.000063 (0.0000472, 0.0000851)   | 0.00863 (0.00661, 0.01110)    | 588.6 (424.0, 792.8)          | 0.000029 (0.0000209, 0.0000391)  | 0.00532 (0.00403, 0.00686)  |
| Jawa Timur | Lower respiratory infections                             | All | 3,576.0 (2,829.5, 4,427.1)    | 0.0001805 (0.0001428, 0.0002234)  | 0.0247 (0.02081, 0.02887)     | 2,976.3 (2,410.9, 3,555.4)    | 0.0001467 (0.0001188, 0.0001752) | 0.02693 (0.02324, 0.03088)  |
| Jawa Timur | Malaria                                                  | All | 31.5 (6.4, 94.4)              | 0.0000016 (0.0000003, 0.0000048)  | 0.00002 (0.00004, 0.00006)    | 14.7 (2.8, 44.0)              | 0.0000007 (0.0000001, 0.0000022) | 0.00013 (0.00003, 0.00040)  |
| Jawa Timur | Tuberculosis                                             | All | 9,623.9 (7,798.1, 11,477.8)   | 0.0004857 (0.0003936, 0.0005793)  | 0.06634 (0.06065, 0.07241)    | 4,509.2 (3,718.7, 5,401.2)    | 0.0002223 (0.0001833, 0.0002662) | 0.04076 (0.03668, 0.04494)  |
| Jawa Timur | Maternal disorders                                       | All |                               |                                   |                               | 401.8 (310.4, 524.6)          | 0.0000198 (0.0000153, 0.0000259) | 0.00363 (0.00298, 0.00441)  |
| Jawa Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 1,074.3 (542.9, 1,721.3)      | 0.0000542 (0.0000274, 0.0000869)  | 0.00744 (0.00369, 0.01234)    | 730.7 (370.5, 1,237.7)        | 0.000036 (0.0000183, 0.0000610)  | 0.00662 (0.00343, 0.01115)  |
| Jawa Timur | Preterm birth complications                              | All | 1,789.6 (917.5, 2,783.8)      | 0.0000903 (0.0000463, 0.0001405)  | 0.01239 (0.00636, 0.02036)    | 1,603.8 (860.2, 2,562.9)      | 0.0000791 (0.0000424, 0.0001263) | 0.01453 (0.00772, 0.02366)  |
| Jawa Timur | Other neonatal disorders                                 | All | 235.3 (89.0, 467.9)           | 0.0000119 (0.0000045, 0.0000236)  | 0.00163 (0.00062, 0.00321)    | 152.2 (56.4, 320.4)           | 0.0000075 (0.0000028, 0.0000158) | 0.00138 (0.00051, 0.00288)  |
| Jawa Timur | Other communicable diseases                              | All | 6,209.8 (5,044.5, 7,491.0)    | 0.0003134 (0.0002546, 0.0003781)  | 0.04289 (0.03808, 0.04882)    | 4,207.6 (3,469.0, 5,060.3)    | 0.0002074 (0.0001710, 0.0002494) | 0.03807 (0.03341, 0.04338)  |
| Jawa Timur | Tracheal, bronchus, and lung cancer                      | All | 1,915.0 (1,406.1, 2,489.9)    | 0.0000966 (0.0000710, 0.0001257)  | 0.01319 (0.01066, 0.01614)    | 492.1 (357.2, 657.3)          | 0.0000243 (0.0000176, 0.0000324) | 0.00445 (0.00340, 0.00567)  |
| Jawa Timur | Breast cancer                                            | All | 65.9 (35.8, 112.6)            | 0.0000033 (0.0000018, 0.0000057)  | 0.00045 (0.00026, 0.00076)    | 2,547.4 (2,016.8, 3,222.3)    | 0.0001256 (0.0000994, 0.0001588) | 0.02301 (0.01975, 0.02672)  |
| Jawa Timur | Cervical cancer                                          | All |                               |                                   |                               | 1,987.6 (1,536.4, 2,536.6)    | 0.000098 (0.0000757, 0.0001250)  | 0.01795 (0.01504, 0.02137)  |
| Jawa Timur | Other malignant neoplasms                                | All | 7,059.7 (5,753.1, 8,623.7)    | 0.0003563 (0.0002904, 0.0004352)  | 0.04868 (0.04448, 0.05340)    | 4,285.1 (3,530.9, 5,201.9)    | 0.0002112 (0.0001740, 0.0002564) | 0.03873 (0.03485, 0.04311)  |
| Jawa Timur | Cerebrovascular disease                                  | All | 27,922.4 (21,976.3, 32,991.6) | 0.0014092 (0.0011091, 0.0016651)  | 0.1924 (0.18169, 0.20223)     | 26,232.1 (22,053.8, 30,656.1) | 0.001293 (0.0010870, 0.0015110)  | 0.23714 (0.22584, 0.24851)  |
| Jawa Timur | Ischemic heart disease                                   | All | 23,322.4 (18,527.9, 27,796.0) | 0.0011771 (0.0009351, 0.0014028)  | 0.16068 (0.15109, 0.16896)    | 13,312.2 (11,155.0, 15,728.8) | 0.0006562 (0.0005498, 0.0007753) | 0.12035 (0.11294, 0.12761)  |
| Jawa Timur | Other cardiovascular and circulatory diseases            | All | 5,131.8 (3,964.9, 6,271.2)    | 0.000259 (0.0002001, 0.0003165)   | 0.03536 (0.03138, 0.03974)    | 5,114.3 (4,218.0, 6,175.9)    | 0.0002521 (0.0002079, 0.0003044) | 0.04623 (0.04160, 0.05142)  |
| Jawa Timur | Diabetes mellitus                                        | All | 8,162.0 (6,414.1, 9,854.4)    | 0.0004119 (0.0003237, 0.0004973)  | 0.05623 (0.05183, 0.06075)    | 8,822.9 (7,336.7, 10,553.4)   | 0.0004349 (0.0003616, 0.0005202) | 0.07974 (0.07390, 0.08591)  |
| Jawa Timur | Chronic kidney disease                                   | All | 3,548.6 (2,777.3, 4,339.2)    | 0.0001791 (0.0001402, 0.0002190)  | 0.02447 (0.02131, 0.02767)    | 2,341.9 (1,882.9, 2,930.8)    | 0.0001154 (0.0000928, 0.0001445) | 0.02116 (0.01848, 0.02411)  |
| Jawa Timur | Cirrhosis                                                | All | 5,984.0 (4,715.8, 7,273.9)    | 0.000302 (0.0002380, 0.0003671)   | 0.04125 (0.03677, 0.04609)    | 2,809.9 (2,285.2, 3,455.6)    | 0.0001385 (0.0001126, 0.0001703) | 0.02539 (0.02231, 0.02862)  |
| Jawa Timur | Chronic respiratory diseases                             | All | 8,784.4 (6,944.5, 10,509.6)   | 0.0004433 (0.0003505, 0.0005304)  | 0.06054 (0.05552, 0.06634)    | 5,185.6 (4,298.5, 6,078.0)    | 0.0002556 (0.0002119, 0.0002996) | 0.0469 (0.04234, 0.05155)   |
| Jawa Timur | Other non-communicable diseases                          | All | 13,009.1 (10,568.0, 15,525.0) | 0.0006566 (0.0005334, 0.0007835)  | 0.0897 (0.08420, 0.09550)     | 11,733.9 (9,981.0, 13,720.0)  | 0.0005784 (0.0004920, 0.0006763) | 0.10614 (0.09919, 0.11251)  |
| Jawa Timur | Drowning                                                 | All | 630.5 (421.7, 872.1)          | 0.0000318 (0.0000213, 0.0000440)  | 0.00436 (0.00291, 0.00603)    | 230.6 (148.3, 338.4)          | 0.0000114 (0.0000073, 0.0000167) | 0.00209 (0.00134, 0.00302)  |
| Jawa Timur | Falls                                                    | All | 1,691.5 (1,279.8, 2,169.5)    | 0.0000854 (0.0000646, 0.0001095)  | 0.01167 (0.00939, 0.01405)    | 973.0 (753.8, 1,226.4)        | 0.0000448 (0.0000372, 0.0000605) | 0.00088 (0.000727, 0.01056) |
| Jawa Timur | Interpersonal violence                                   | All | 239.5 (174.1, 334.9)          | 0.0000121 (0.0000088, 0.0000169)  | 0.00165 (0.00125, 0.00217)    | 106.5 (69.5, 158.1)           | 0.0000052 (0.0000034, 0.0000078) | 0.00096 (0.00065, 0.00138)  |
| Jawa Timur | Self-harm                                                | All | 420.7 (266.0, 625.0)          | 0.0000212 (0.0000134, 0.0000315)  | 0.0029 (0.00198, 0.00417)     | 146.3 (90.7, 222.0)           | 0.0000072 (0.0000045, 0.0000109) | 0.00132 (0.00087, 0.00193)  |
| Jawa Timur | Transport injuries                                       | All | 5,535.6 (4,431.0, 6,796.3)    | 0.0002794 (0.0002236, 0.0003430)  | 0.03818 (0.03395, 0.04285)    | 1,496.3 (1,198.8, 1,829.7)    | 0.0000738 (0.0000591, 0.0000902) | 0.01353 (0.01163, 0.01573)  |
| Jawa Timur | Other unintentional injuries                             | All | 1,804.9 (1,432.2, 2,287.0)    | 0.0000911 (0.0000723, 0.0001154)  | 0.01246 (0.01031, 0.01499)    | 574.6 (433.1, 755.6)          | 0.0000283 (0.0000213, 0.0000372) | 0.0052 (0.00414, 0.00653)   |
| Banten     | Diarrheal diseases                                       | NN  | 31.7 (13.8, 58.3)             | 0.0035487 (0.00015425, 0.0065329) | 0.01279 (0.00789, 0.01895)    | 28.0 (11.8, 54.7)             | 0.0033495 (0.0014175, 0.0065471) | 0.0147 (0.00929, 0.02141)   |
| Banten     | Lower respiratory infections                             | NN  | 296.3 (144.5, 476.5)          | 0.0332185 (0.0161996, 0.0534185)  | 0.11913 (0.09618, 0.14551)    | 187.3 (93.2, 322.6)           | 0.0224253 (0.0111587, 0.0386205) | 0.09834 (0.07736, 0.12055)  |
| Banten     | Malaria                                                  | NN  | 0.4 (0.0, 1.4)                | 0.0000439 (0.0000053, 0.0001621)  | 0.00016 (0.00002, 0.00055)    | 0.2 (0.0, 1.0)                | 0.0000288 (0.0000034, 0.0001139) | 0.00013 (0.00002, 0.00048)  |
| Banten     | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 773.4 (381.2, 1,224.9)        | 0.0867028 (0.0427394, 0.1373267)  | 0.31081 (0.25427, 0.36161)    | 548.2 (275.7, 968.6)          | 0.0656362 (0.0330017, 0.1159653) | 0.28692 (0.22884, 0.34231)  |
| Banten     | Preterm birth complications                              | NN  | 629.4 (298.1, 1,034.7)        | 0.0705611 (0.0334210, 0.1159941)  | 0.25267 (0.19376, 0.30983)    | 580.4 (291.6, 967.0)          | 0.0694893 (0.0349136, 0.1157775) | 0.30487 (0.24611, 0.36837)  |
| Banten     | Other neonatal disorders                                 | NN  | 292.1 (119.8, 544.7)          | 0.0327517 (0.0134290, 0.0610668)  | 0.1172 (0.07077, 0.17603)     | 193.4 (83.4, 381.6)           | 0.0231521 (0.0099854, 0.0456847) | 0.10182 (0.06156, 0.15563)  |
| Banten     | Other communicable diseases                              | NN  | 40.4 (17.5, 74.5)             | 0.0045323 (0.00019651, 0.0083561) | 0.01633 (0.01030, 0.02464)    | 25.0 (10.1, 47.7)             | 0.0029973 (0.0012081, 0.0057689) | 0.01318 (0.00786, 0.02039)  |
| Banten     | Other malignant neoplasms                                | NN  | 19.2 (7.8, 38.5)              | 0.0021479 (0.0008693, 0.0043141)  | 0.00771 (0.00445, 0.01264)    | 15.6 (6.4, 31.5)              | 0.0018688 (0.0007644, 0.0037765) | 0.00822 (0.00475, 0.01378)  |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                |                                   |                            | Females              |                                   |                            |
|----------|----------------------------------------------------------|-----|----------------------|-----------------------------------|----------------------------|----------------------|-----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                     | CF (95% UI)                |
| Banten   | Cerebrovascular disease                                  | NN  | 4.8 (1.2, 12.5)      | 0.0005424 (0.0001381, 0.0014034)  | 0.00195 (0.00062, 0.00452) | 5.2 (1.3, 13.6)      | 0.0006222 (0.0001591, 0.0016230)  | 0.00272 (0.00092, 0.00622) |
| Banten   | Other cardiovascular and circulatory diseases            | NN  | 5.4 (1.3, 14.5)      | 0.0006028 (0.0001423, 0.0016206)  | 0.00216 (0.00067, 0.00479) | 5.4 (1.3, 14.1)      | 0.0006474 (0.0001609, 0.0016920)  | 0.00286 (0.00093, 0.00637) |
| Banten   | Diabetes mellitus                                        | NN  | 1.5 (0.0, 12.6)      | 0.0001649 (0.0000008, 0.0014152)  | 0.00057 (0.00000, 0.00420) | 1.6 (0.0, 13.8)      | 0.0001882 (0.0000009, 0.0016514)  | 0.00086 (0.00000, 0.00628) |
| Banten   | Other non-communicable diseases                          | NN  | 308.8 (154.4, 488.7) | 0.0346191 (0.0173081, 0.0547852)  | 0.12406 (0.10723, 0.13993) | 288.2 (150.1, 472.0) | 0.0345093 (0.0179721, 0.0565033)  | 0.15122 (0.13347, 0.16927) |
| Banten   | Drowning                                                 | NN  | 22.4 (7.9, 47.3)     | 0.0025083 (0.0008818, 0.0053036)  | 0.00902 (0.00440, 0.01584) | 6.0 (2.0, 14.1)      | 0.0007131 (0.0002350, 0.0016853)  | 0.00313 (0.00141, 0.00572) |
| Banten   | Falls                                                    | NN  | 15.4 (5.2, 34.8)     | 0.0017224 (0.0005853, 0.0039061)  | 0.00618 (0.00292, 0.01126) | 5.6 (1.8, 12.7)      | 0.0006705 (0.0002128, 0.0015219)  | 0.00292 (0.00132, 0.00556) |
| Banten   | Interpersonal violence                                   | NN  | 2.1 (0.6, 5.7)       | 0.0002407 (0.0000625, 0.0006375)  | 0.00087 (0.00029, 0.00192) | 1.3 (0.3, 3.5)       | 0.0001571 (0.0000413, 0.0004130)  | 0.00069 (0.00022, 0.00150) |
| Banten   | Transport injuries                                       | NN  | 21.7 (7.9, 44.3)     | 0.0024323 (0.0008806, 0.0049699)  | 0.00087 (0.00440, 0.01460) | 5.8 (2.0, 12.4)      | 0.0006904 (0.0002368, 0.0014888)  | 0.00302 (0.00145, 0.00517) |
| Banten   | Other unintentional injuries                             | NN  | 24.1 (8.5, 49.5)     | 0.0027062 (0.0009474, 0.0055537)  | 0.00097 (0.00470, 0.01664) | 8.4 (3.1, 17.9)      | 0.0010002 (0.0003685, 0.0021479)  | 0.00438 (0.00217, 0.00752) |
| Banten   | Diarrheal diseases                                       | PNN | 290.5 (136.2, 485.8) | 0.002609 (0.0012238, 0.0043632)   | 0.22525 (0.17418, 0.28161) | 315.4 (148.1, 536.6) | 0.0030255 (0.0014207, 0.0051467)  | 0.2802 (0.22202, 0.34163)  |
| Banten   | HIV/AIDS                                                 | PNN | 31.6 (11.1, 70.8)    | 0.0002841 (0.0000996, 0.0006357)  | 0.02454 (0.01067, 0.04596) | 23.7 (7.8, 54.5)     | 0.0002271 (0.0000748, 0.0005228)  | 0.0211 (0.00900, 0.03971)  |
| Banten   | Lower respiratory infections                             | PNN | 192.2 (94.8, 324.1)  | 0.0017263 (0.0008518, 0.0029111)  | 0.14907 (0.11770, 0.18041) | 143.2 (67.3, 250.2)  | 0.0013733 (0.0006452, 0.0024001)  | 0.12727 (0.10035, 0.15563) |
| Banten   | Malaria                                                  | PNN | 3.5 (0.4, 13.1)      | 0.0000311 (0.0000040, 0.0001173)  | 0.00268 (0.00046, 0.00921) | 2.7 (0.4, 9.5)       | 0.0000255 (0.0000036, 0.0000907)  | 0.00238 (0.00040, 0.00821) |
| Banten   | Tuberculosis                                             | PNN | 49.4 (21.4, 91.1)    | 0.0004433 (0.0001921, 0.0008184)  | 0.03824 (0.02402, 0.05614) | 38.5 (15.6, 73.4)    | 0.0003696 (0.0001497, 0.0007038)  | 0.03424 (0.02047, 0.05023) |
| Banten   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 20.1 (5.7, 46.5)     | 0.0001805 (0.0000514, 0.0004181)  | 0.01567 (0.00571, 0.03551) | 15.8 (4.4, 39.9)     | 0.0001512 (0.0000425, 0.0003825)  | 0.0141 (0.00492, 0.03243)  |
| Banten   | Preterm birth complications                              | PNN | 39.6 (15.0, 87.1)    | 0.0003558 (0.0001343, 0.0007819)  | 0.03056 (0.01605, 0.05341) | 46.7 (18.0, 101.3)   | 0.0004484 (0.0001728, 0.0009713)  | 0.04141 (0.02114, 0.07333) |
| Banten   | Other neonatal disorders                                 | PNN | 25.6 (8.0, 61.4)     | 0.0002295 (0.0000717, 0.0005512)  | 0.01986 (0.00789, 0.04245) | 19.7 (6.1, 49.5)     | 0.0001892 (0.0000584, 0.0004744)  | 0.01761 (0.00684, 0.03815) |
| Banten   | Other communicable diseases                              | PNN | 410.5 (206.0, 672.6) | 0.0036874 (0.00018503, 0.0060411) | 0.31827 (0.26471, 0.37155) | 312.4 (155.4, 535.9) | 0.0029967 (0.00014909, 0.0051407) | 0.27845 (0.22566, 0.33296) |
| Banten   | Other malignant neoplasms                                | PNN | 9.4 (3.9, 18.6)      | 0.0000848 (0.0000348, 0.0001672)  | 0.00733 (0.00422, 0.01191) | 8.9 (3.5, 17.6)      | 0.0000849 (0.0000336, 0.0001685)  | 0.00787 (0.00460, 0.01308) |
| Banten   | Cerebrovascular disease                                  | PNN | 2.4 (0.6, 6.1)       | 0.0000214 (0.0000056, 0.0000552)  | 0.00186 (0.00059, 0.00432) | 2.9 (0.8, 7.6)       | 0.0000282 (0.0000079, 0.0000732)  | 0.0026 (0.00090, 0.00591)  |
| Banten   | Ischemic heart disease                                   | PNN | 1.5 (0.1, 6.8)       | 0.0000134 (0.0000009, 0.0000614)  | 0.00118 (0.00009, 0.00532) | 1.9 (0.1, 8.9)       | 0.0000179 (0.0000012, 0.0000856)  | 0.00169 (0.00013, 0.00772) |
| Banten   | Other cardiovascular and circulatory diseases            | PNN | 2.6 (0.7, 6.2)       | 0.0000236 (0.0000058, 0.0000554)  | 0.00204 (0.00063, 0.00455) | 3.1 (0.8, 8.1)       | 0.0000293 (0.0000076, 0.0000776)  | 0.00272 (0.00090, 0.00596) |
| Banten   | Diabetes mellitus                                        | PNN | 0.7 (0.0, 5.8)       | 0.0000064 (0.0000000, 0.0000523)  | 0.00054 (0.00000, 0.00400) | 0.9 (0.0, 7.5)       | 0.0000086 (0.0000000, 0.0000720)  | 0.00083 (0.00000, 0.00612) |
| Banten   | Chronic kidney disease                                   | PNN | 9.6 (3.9, 19.8)      | 0.0000863 (0.0000351, 0.0001774)  | 0.00748 (0.00386, 0.01351) | 9.4 (3.6, 20.8)      | 0.00009 (0.0000341, 0.0001997)    | 0.00838 (0.00436, 0.01489) |
| Banten   | Other non-communicable diseases                          | PNN | 150.6 (75.2, 250.9)  | 0.0013526 (0.0006753, 0.0022537)  | 0.1168 (0.10082, 0.13353)  | 161.1 (79.9, 269.9)  | 0.0015454 (0.0007667, 0.0025893)  | 0.1432 (0.12518, 0.16148)  |
| Banten   | Drowning                                                 | PNN | 13.4 (5.3, 27.9)     | 0.0001204 (0.0000475, 0.0002507)  | 0.01041 (0.00532, 0.01781) | 4.1 (1.4, 8.7)       | 0.0000389 (0.0000139, 0.0000834)  | 0.00364 (0.00174, 0.00644) |
| Banten   | Falls                                                    | PNN | 8.8 (3.2, 19.0)      | 0.0000793 (0.0000290, 0.0001707)  | 0.00684 (0.00334, 0.01231) | 3.7 (1.3, 8.7)       | 0.0000354 (0.0000122, 0.0000835)  | 0.00326 (0.00150, 0.00605) |
| Banten   | Interpersonal violence                                   | PNN | 1.2 (0.3, 3.0)       | 0.0000108 (0.0000027, 0.0000270)  | 0.00094 (0.00032, 0.00207) | 0.8 (0.2, 2.1)       | 0.0000081 (0.0000022, 0.0000197)  | 0.00075 (0.00025, 0.00162) |
| Banten   | Transport injuries                                       | PNN | 12.8 (4.9, 25.0)     | 0.0001149 (0.0000444, 0.0002245)  | 0.0009 (0.00521, 0.01592)  | 3.9 (1.4, 8.3)       | 0.0000375 (0.0000138, 0.0000796)  | 0.00347 (0.00174, 0.00578) |
| Banten   | Other unintentional injuries                             | PNN | 13.6 (5.3, 27.8)     | 0.0001224 (0.0000478, 0.0002499)  | 0.01055 (0.00530, 0.01760) | 5.4 (2.1, 11.6)      | 0.0000521 (0.0000199, 0.0001115)  | 0.00481 (0.00247, 0.00806) |
| Banten   | Diarrheal diseases                                       | 1   | 85.3 (34.4, 178.4)   | 0.0001794 (0.0000723, 0.0003750)  | 0.11959 (0.08579, 0.15865) | 86.3 (37.8, 163.9)   | 0.0001887 (0.0000828, 0.0003585)  | 0.16143 (0.12145, 0.20888) |
| Banten   | HIV/AIDS                                                 | 1   | 22.4 (6.4, 54.0)     | 0.000047 (0.0000135, 0.0001135)   | 0.0311 (0.01354, 0.05695)  | 15.7 (4.6, 36.8)     | 0.0000344 (0.0000100, 0.0000804)  | 0.02924 (0.01226, 0.05412) |
| Banten   | Lower respiratory infections                             | 1   | 131.9 (55.6, 259.1)  | 0.0002773 (0.0001168, 0.0005448)  | 0.18439 (0.14654, 0.22013) | 92.6 (42.4, 174.0)   | 0.0002024 (0.0000928, 0.0003806)  | 0.1727 (0.13490, 0.20832)  |
| Banten   | Malaria                                                  | 1   | 0.8 (0.1, 3.4)       | 0.0000017 (0.0000002, 0.0000071)  | 0.00115 (0.00019, 0.00391) | 0.6 (0.1, 2.5)       | 0.0000013 (0.0000002, 0.0000055)  | 0.00112 (0.00019, 0.00381) |
| Banten   | Tuberculosis                                             | 1   | 36.4 (14.7, 76.2)    | 0.0000765 (0.0000309, 0.0001602)  | 0.05107 (0.03314, 0.07436) | 26.8 (10.5, 54.6)    | 0.0000587 (0.0000229, 0.0001194)  | 0.05012 (0.03171, 0.07190) |
| Banten   | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 7.0 (1.7, 18.5)      | 0.0000147 (0.0000035, 0.0000389)  | 0.00098 (0.00343, 0.02137) | 4.9 (1.2, 12.4)      | 0.0000107 (0.0000027, 0.0000271)  | 0.00917 (0.00312, 0.01984) |
| Banten   | Preterm birth complications                              | 1   | 2.6 (0.5, 8.8)       | 0.0000056 (0.0000010, 0.0000186)  | 0.00375 (0.00083, 0.01111) | 2.8 (0.5, 8.7)       | 0.0000061 (0.0000011, 0.0000189)  | 0.0053 (0.00118, 0.01590)  |
| Banten   | Other neonatal disorders                                 | 1   | 1.4 (0.0, 9.3)       | 0.000003 (0.0000000, 0.0000196)   | 0.00192 (0.00002, 0.01321) | 1.0 (0.0, 6.7)       | 0.0000021 (0.0000000, 0.0000147)  | 0.00172 (0.00002, 0.01174) |
| Banten   | Other communicable diseases                              | 1   | 251.8 (100.7, 499.9) | 0.0005293 (0.0002118, 0.0010510)  | 0.35094 (0.30086, 0.40364) | 183.4 (85.7, 337.9)  | 0.0004012 (0.0001874, 0.0007390)  | 0.34188 (0.28707, 0.39580) |
| Banten   | Other malignant neoplasms                                | 1   | 4.4 (1.6, 9.6)       | 0.0000093 (0.0000033, 0.0000201)  | 0.00623 (0.00353, 0.01030) | 4.2 (1.6, 8.9)       | 0.0000091 (0.0000035, 0.0000196)  | 0.00776 (0.00451, 0.01313) |
| Banten   | Cerebrovascular disease                                  | 1   | 1.2 (0.3, 3.5)       | 0.0000026 (0.0000006, 0.0000074)  | 0.00172 (0.00053, 0.00404) | 1.5 (0.4, 4.2)       | 0.0000033 (0.0000008, 0.0000091)  | 0.0028 (0.00093, 0.00647)  |
| Banten   | Ischemic heart disease                                   | 1   | 0.8 (0.0, 3.8)       | 0.0000017 (0.0000001, 0.0000080)  | 0.00111 (0.00009, 0.00505) | 1.0 (0.1, 4.7)       | 0.0000022 (0.0000001, 0.0000103)  | 0.00184 (0.00014, 0.00803) |
| Banten   | Other cardiovascular and circulatory diseases            | 1   | 1.3 (0.3, 3.5)       | 0.0000027 (0.0000006, 0.0000073)  | 0.00178 (0.00054, 0.00407) | 1.5 (0.4, 4.0)       | 0.0000032 (0.0000008, 0.0000087)  | 0.00274 (0.00087, 0.00612) |
| Banten   | Diabetes mellitus                                        | 1   | 0.3 (0.0, 2.6)       | 0.0000007 (0.0000000, 0.0000055)  | 0.00046 (0.00000, 0.00334) | 0.4 (0.0, 3.6)       | 0.000001 (0.0000000, 0.0000079)   | 0.00083 (0.00000, 0.00602) |
| Banten   | Chronic kidney disease                                   | 1   | 4.4 (1.5, 10.7)      | 0.0000092 (0.0000031, 0.0000224)  | 0.00615 (0.00316, 0.01131) | 4.3 (1.5, 9.6)       | 0.0000093 (0.0000032, 0.0000209)  | 0.00798 (0.00398, 0.01422) |
| Banten   | Cirrhosis                                                | 1   | 8.1 (2.3, 21.1)      | 0.0000171 (0.0000048, 0.0000444)  | 0.01132 (0.00473, 0.02198) | 4.3 (1.3, 10.5)      | 0.0000093 (0.0000028, 0.0000230)  | 0.00789 (0.00326, 0.01607) |
| Banten   | Chronic respiratory diseases                             | 1   | 10.1 (3.2, 24.6)     | 0.0000211 (0.0000068, 0.0000518)  | 0.01409 (0.00627, 0.02470) | 4.0 (1.3, 9.7)       | 0.0000089 (0.0000028, 0.0000212)  | 0.00753 (0.00319, 0.01408) |
| Banten   | Other non-communicable diseases                          | 1   | 71.2 (29.0, 141.3)   | 0.0001497 (0.0000609, 0.0002971)  | 0.09937 (0.08122, 0.11891) | 75.7 (35.3, 141.0)   | 0.0001655 (0.0000773, 0.0003083)  | 0.14115 (0.12131, 0.16221) |
| Banten   | Drowning                                                 | 1   | 25.2 (8.6, 53.2)     | 0.000053 (0.0000181, 0.0001118)   | 0.03539 (0.01940, 0.05724) | 7.4 (2.5, 15.7)      | 0.0000163 (0.0000054, 0.0000343)  | 0.01397 (0.00661, 0.02398) |
| Banten   | Falls                                                    | 1   | 11.5 (3.9, 26.2)     | 0.0000241 (0.0000081, 0.0000551)  | 0.01598 (0.00819, 0.02751) | 4.6 (1.5, 11.3)      | 0.0000101 (0.0000034, 0.0000248)  | 0.00857 (0.00392, 0.01526) |
| Banten   | Interpersonal violence                                   | 1   | 1.3 (0.3, 3.6)       | 0.0000027 (0.0000007, 0.0000075)  | 0.00179 (0.00072, 0.00397) | 0.9 (0.2, 2.5)       | 0.0000019 (0.0000005, 0.0000054)  | 0.00161 (0.00060, 0.00347) |
| Banten   | Transport injuries                                       | 1   | 21.3 (7.5, 48.4)     | 0.0000447 (0.0000159, 0.0001017)  | 0.02967 (0.01654, 0.04583) | 6.3 (2.1, 13.9)      | 0.0000138 (0.0000047, 0.0000303)  | 0.01176 (0.00612, 0.01942) |
| Banten   | Other unintentional injuries                             | 1   | 15.2 (5.1, 34.8)     | 0.000032 (0.0000108, 0.0000731)   | 0.02125 (0.01136, 0.03521) | 5.9 (2.0, 13.4)      | 0.0000128 (0.0000045, 0.0000294)  | 0.0109 (0.00568, 0.01853)  |
| Banten   | Diarrheal diseases                                       | 5   | 40.0 (26.9, 55.4)    | 0.0000685 (0.0000461, 0.0000949)  | 0.09058 (0.06162, 0.12257) | 38.6 (26.9, 51.8)    | 0.0000702 (0.0000489, 0.0000942)  | 0.13072 (0.09323, 0.17385) |
| Banten   | HIV/AIDS                                                 | 5   | 7.5 (2.3, 18.5)      | 0.0000128 (0.0000040, 0.0000317)  | 0.01699 (0.00525, 0.04157) | 4.9 (1.5, 11.9)      | 0.000009 (0.0000028, 0.0000215)   | 0.0167 (0.00521, 0.04043)  |
| Banten   | Lower respiratory infections                             | 5   | 40.8 (27.6, 55.0)    | 0.0000699 (0.0000473, 0.0000942)  | 0.09241 (0.06635, 0.12170) | 27.0 (18.7, 35.6)    | 0.000049 (0.0000340, 0.0000647)   | 0.09126 (0.06469, 0.12039) |
| Banten   | Malaria                                                  | 5   | 0.4 (0.1, 1.4)       | 0.0000007 (0.0000001, 0.0000024)  | 0.00087 (0.00015, 0.00319) | 0.3 (0.0, 0.9)       | 0.0000005 (0.0000001, 0.0000017)  | 0.00089 (0.00015, 0.00311) |
| Banten   | Tuberculosis                                             | 5   | 16.2 (9.9, 24.7)     | 0.0000278 (0.0000170, 0.0000424)  | 0.03674 (0.02378, 0.05417) | 11.2 (7.0, 16.4)     | 0.0000204 (0.0000128, 0.0000298)  | 0.03799 (0.02411, 0.05624) |
| Banten   | Other communicable diseases                              | 5   | 116.4 (92.9, 142.0)  | 0.0001996 (0.0001592, 0.0002434)  | 0.26383 (0.22172, 0.30799) | 81.0 (65.3, 98.8)    | 0.0001473 (0.0001188, 0.0001795)  | 0.27423 (0.22759, 0.32414) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Other malignant neoplasms                     | 5   | 16.9 (10.4, 25.8)    | 0.000029 (0.0000177, 0.0000442)  | 0.03835 (0.02409, 0.05725) | 15.5 (10.2, 22.7)  | 0.0000281 (0.0000186, 0.0000412) | 0.05242 (0.03378, 0.07560) |
| Banten   | Cerebrovascular disease                       | 5   | 3.1 (1.5, 5.4)       | 0.0000053 (0.0000026, 0.0000092) | 0.007 (0.00349, 0.01226)   | 3.6 (1.9, 6.0)     | 0.0000066 (0.0000034, 0.0000109) | 0.0123 (0.00626, 0.01987)  |
| Banten   | Ischemic heart disease                        | 5   | 2.3 (0.9, 4.5)       | 0.0000039 (0.0000016, 0.0000078) | 0.00513 (0.00210, 0.01014) | 2.7 (1.1, 5.2)     | 0.0000049 (0.0000020, 0.0000095) | 0.00919 (0.00384, 0.01748) |
| Banten   | Other cardiovascular and circulatory diseases | 5   | 3.6 (1.6, 7.3)       | 0.0000062 (0.0000027, 0.0000126) | 0.00815 (0.00371, 0.01671) | 3.9 (1.9, 7.4)     | 0.0000072 (0.0000035, 0.0000134) | 0.01337 (0.00649, 0.02489) |
| Banten   | Diabetes mellitus                             | 5   | 2.4 (0.9, 5.3)       | 0.0000042 (0.0000016, 0.0000091) | 0.00551 (0.00217, 0.01160) | 3.2 (1.3, 6.8)     | 0.0000058 (0.0000024, 0.0000123) | 0.01088 (0.00461, 0.02269) |
| Banten   | Chronic kidney disease                        | 5   | 5.8 (2.9, 9.8)       | 0.0000099 (0.0000049, 0.0000169) | 0.01304 (0.00660, 0.02260) | 5.5 (2.9, 9.2)     | 0.00001 (0.0000052, 0.0000167)   | 0.01857 (0.00971, 0.03098) |
| Banten   | Cirrhosis                                     | 5   | 13.4 (7.4, 21.0)     | 0.000023 (0.0000128, 0.0000360)  | 0.03037 (0.01764, 0.04670) | 6.9 (3.9, 11.3)    | 0.0000126 (0.0000071, 0.0000205) | 0.02346 (0.01332, 0.03661) |
| Banten   | Chronic respiratory diseases                  | 5   | 5.0 (2.4, 9.3)       | 0.0000086 (0.0000041, 0.0000160) | 0.01136 (0.00566, 0.02074) | 1.9 (0.9, 3.5)     | 0.0000035 (0.0000017, 0.0000064) | 0.00652 (0.00330, 0.01175) |
| Banten   | Other non-communicable diseases               | 5   | 38.9 (28.1, 51.9)    | 0.0000666 (0.0000481, 0.0000890) | 0.08804 (0.06698, 0.11397) | 40.3 (30.9, 50.8)  | 0.0000733 (0.0000562, 0.0000923) | 0.13642 (0.0714, 0.16895)  |
| Banten   | Drowning                                      | 5   | 58.3 (37.5, 83.2)    | 0.0001 (0.0000642, 0.0001426)    | 0.13216 (0.08598, 0.18245) | 21.1 (12.6, 31.5)  | 0.0000384 (0.0000230, 0.0000572) | 0.07144 (0.04303, 0.10567) |
| Banten   | Falls                                         | 5   | 13.2 (6.8, 22.8)     | 0.0000227 (0.0000117, 0.0000390) | 0.02995 (0.01556, 0.05085) | 6.1 (3.1, 10.9)    | 0.0000111 (0.0000057, 0.0000197) | 0.0207 (0.01090, 0.03647)  |
| Banten   | Interpersonal violence                        | 5   | 0.7 (0.3, 1.4)       | 0.0000011 (0.0000004, 0.0000024) | 0.00151 (0.00058, 0.00330) | 0.5 (0.2, 1.1)     | 0.0000009 (0.0000004, 0.0000020) | 0.00173 (0.00070, 0.00362) |
| Banten   | Transport injuries                            | 5   | 47.3 (29.4, 67.3)    | 0.000081 (0.0000503, 0.0001153)  | 0.10706 (0.06875, 0.14807) | 16.9 (10.0, 25.5)  | 0.0000308 (0.0000182, 0.0000463) | 0.05735 (0.03504, 0.08560) |
| Banten   | Other unintentional injuries                  | 5   | 9.3 (4.8, 16.3)      | 0.0000159 (0.0000082, 0.0000280) | 0.02095 (0.01114, 0.03715) | 4.1 (2.1, 7.4)     | 0.0000074 (0.0000037, 0.0000134) | 0.01386 (0.00709, 0.02465) |
| Banten   | Diarrheal diseases                            | 10  | 22.1 (14.3, 33.1)    | 0.000038 (0.0000246, 0.0000568)  | 0.04671 (0.03070, 0.06928) | 19.5 (12.9, 28.1)  | 0.0000354 (0.0000234, 0.0000511) | 0.06841 (0.04511, 0.09783) |
| Banten   | HIV/AIDS                                      | 10  | 7.5 (3.1, 15.8)      | 0.0000129 (0.0000053, 0.0000271) | 0.0159 (0.00653, 0.03289)  | 4.5 (1.9, 9.3)     | 0.0000082 (0.0000034, 0.0000168) | 0.01576 (0.00650, 0.03257) |
| Banten   | Lower respiratory infections                  | 10  | 26.2 (17.7, 37.5)    | 0.000045 (0.0000304, 0.0000643)  | 0.05533 (0.03742, 0.07682) | 15.1 (10.3, 21.6)  | 0.0000274 (0.0000187, 0.0000393) | 0.05301 (0.03651, 0.07487) |
| Banten   | Malaria                                       | 10  | 0.9 (0.2, 2.8)       | 0.0000015 (0.0000003, 0.0000048) | 0.00184 (0.00034, 0.00559) | 0.6 (0.1, 1.9)     | 0.000001 (0.0000002, 0.0000035)  | 0.00198 (0.00034, 0.00686) |
| Banten   | Tuberculosis                                  | 10  | 38.1 (26.8, 51.8)    | 0.0000653 (0.0000460, 0.0000890) | 0.08029 (0.05801, 0.10720) | 23.9 (17.3, 32.4)  | 0.0000433 (0.0000315, 0.0000589) | 0.08358 (0.06199, 0.11168) |
| Banten   | Maternal disorders                            | 10  |                      |                                  |                            | 1.4 (0.2, 3.7)     | 0.0000025 (0.0000004, 0.0000067) | 0.00482 (0.00082, 0.01289) |
| Banten   | Other communicable diseases                   | 10  | 98.6 (78.1, 119.9)   | 0.0001693 (0.0001340, 0.0002058) | 0.20811 (0.17181, 0.24448) | 60.7 (48.7, 73.8)  | 0.0001102 (0.0000884, 0.0001339) | 0.2128 (0.17604, 0.25085)  |
| Banten   | Other malignant neoplasms                     | 10  | 27.3 (19.5, 38.2)    | 0.0000469 (0.0000335, 0.0000655) | 0.05764 (0.04176, 0.07913) | 23.7 (17.7, 31.4)  | 0.000043 (0.0000322, 0.0000570)  | 0.08305 (0.06297, 0.10825) |
| Banten   | Cerebrovascular disease                       | 10  | 5.6 (3.2, 8.8)       | 0.0000097 (0.0000055, 0.0000151) | 0.01189 (0.00688, 0.01842) | 5.8 (3.5, 8.7)     | 0.0000104 (0.0000064, 0.0000157) | 0.02017 (0.01243, 0.03000) |
| Banten   | Ischemic heart disease                        | 10  | 6.3 (3.7, 9.7)       | 0.0000108 (0.0000064, 0.0000166) | 0.01322 (0.00805, 0.02015) | 6.4 (4.0, 9.6)     | 0.0000117 (0.0000072, 0.0000174) | 0.02256 (0.01447, 0.03319) |
| Banten   | Other cardiovascular and circulatory diseases | 10  | 6.0 (3.3, 9.9)       | 0.0000103 (0.0000057, 0.0000170) | 0.01261 (0.00708, 0.02140) | 5.9 (3.3, 9.7)     | 0.0000107 (0.0000060, 0.0000176) | 0.02064 (0.01188, 0.03355) |
| Banten   | Diabetes mellitus                             | 10  | 3.9 (2.2, 6.6)       | 0.0000067 (0.0000037, 0.0000113) | 0.00826 (0.00463, 0.01365) | 4.7 (2.6, 7.6)     | 0.0000086 (0.0000047, 0.0000139) | 0.01651 (0.00924, 0.02685) |
| Banten   | Chronic kidney disease                        | 10  | 9.2 (5.7, 14.0)      | 0.0000158 (0.0000098, 0.0000241) | 0.01938 (0.01232, 0.02913) | 8.0 (5.2, 12.0)    | 0.0000145 (0.0000094, 0.0000218) | 0.02807 (0.01812, 0.04107) |
| Banten   | Cirrhosis                                     | 10  | 17.4 (11.6, 24.7)    | 0.0000298 (0.0000199, 0.0000424) | 0.03661 (0.02493, 0.05098) | 8.0 (5.1, 11.4)    | 0.0000145 (0.0000094, 0.0000208) | 0.02806 (0.01826, 0.03948) |
| Banten   | Chronic respiratory diseases                  | 10  | 9.7 (5.7, 14.8)      | 0.0000167 (0.0000098, 0.0000255) | 0.0205 (0.01230, 0.03077)  | 3.6 (2.1, 5.7)     | 0.0000065 (0.0000039, 0.0000103) | 0.01245 (0.00749, 0.01968) |
| Banten   | Other non-communicable diseases               | 10  | 50.4 (40.0, 62.7)    | 0.0000865 (0.0000686, 0.0001076) | 0.10639 (0.08669, 0.12826) | 45.8 (37.2, 55.7)  | 0.0000832 (0.0000676, 0.0001012) | 0.16057 (0.13316, 0.19008) |
| Banten   | Drowning                                      | 10  | 33.9 (19.2, 53.7)    | 0.0000582 (0.0000330, 0.0000921) | 0.07157 (0.04099, 0.11064) | 9.6 (4.9, 16.3)    | 0.0000175 (0.0000088, 0.0000297) | 0.03382 (0.01697, 0.05681) |
| Banten   | Falls                                         | 10  | 13.2 (6.9, 23.7)     | 0.0000226 (0.0000118, 0.0000406) | 0.02781 (0.01453, 0.05052) | 5.0 (2.5, 9.2)     | 0.0000091 (0.0000045, 0.0000167) | 0.01762 (0.00881, 0.03209) |
| Banten   | Interpersonal violence                        | 10  | 1.2 (0.6, 2.4)       | 0.0000021 (0.0000009, 0.0000041) | 0.00254 (0.00116, 0.00485) | 0.8 (0.4, 1.6)     | 0.0000015 (0.0000007, 0.0000028) | 0.00283 (0.00129, 0.00539) |
| Banten   | Self-harm                                     | 10  | 5.3 (2.0, 10.9)      | 0.000009 (0.0000035, 0.0000188)  | 0.01113 (0.00430, 0.02228) | 3.0 (1.2, 5.9)     | 0.0000055 (0.0000022, 0.0000108) | 0.01069 (0.00425, 0.02079) |
| Banten   | Transport injuries                            | 10  | 80.6 (59.6, 103.9)   | 0.0001384 (0.0001023, 0.0001783) | 0.17015 (0.12850, 0.21323) | 25.3 (17.6, 34.5)  | 0.000046 (0.0000319, 0.0000627)  | 0.08876 (0.06252, 0.11977) |
| Banten   | Other unintentional injuries                  | 10  | 10.5 (5.8, 17.5)     | 0.000018 (0.0000100, 0.0000300)  | 0.02212 (0.01242, 0.03669) | 3.9 (2.1, 6.9)     | 0.0000072 (0.0000038, 0.0000126) | 0.01382 (0.00731, 0.02400) |
| Banten   | Diarrheal diseases                            | 15  | 19.4 (10.5, 32.1)    | 0.0000345 (0.0000187, 0.0000571) | 0.02144 (0.01191, 0.03400) | 12.2 (6.9, 19.1)   | 0.0000229 (0.0000130, 0.0000359) | 0.02793 (0.01607, 0.04401) |
| Banten   | HIV/AIDS                                      | 15  | 9.4 (3.4, 21.1)      | 0.0000167 (0.0000061, 0.0000375) | 0.01039 (0.00393, 0.02304) | 4.1 (1.4, 9.1)     | 0.0000077 (0.0000027, 0.0000171) | 0.00936 (0.00338, 0.02102) |
| Banten   | Lower respiratory infections                  | 15  | 17.5 (11.0, 26.8)    | 0.0000312 (0.0000195, 0.0000477) | 0.01934 (0.01259, 0.02871) | 6.7 (4.1, 10.6)    | 0.0000126 (0.0000078, 0.0000199) | 0.01535 (0.00962, 0.02421) |
| Banten   | Malaria                                       | 15  | 3.3 (0.6, 10.2)      | 0.0000059 (0.0000011, 0.0000182) | 0.0037 (0.00074, 0.01116)  | 1.5 (0.3, 4.9)     | 0.0000029 (0.0000005, 0.0000092) | 0.00354 (0.00060, 0.01125) |
| Banten   | Tuberculosis                                  | 15  | 93.0 (68.1, 121.8)   | 0.0001656 (0.0001211, 0.0002167) | 0.10281 (0.07931, 0.12907) | 37.4 (27.3, 49.0)  | 0.0000704 (0.0000513, 0.0000923) | 0.08591 (0.06376, 0.11149) |
| Banten   | Maternal disorders                            | 15  |                      |                                  |                            | 22.4 (13.7, 34.0)  | 0.0000421 (0.0000258, 0.0000640) | 0.05132 (0.03181, 0.07705) |
| Banten   | Other communicable diseases                   | 15  | 108.6 (81.7, 140.3)  | 0.0001933 (0.0001455, 0.0002497) | 0.12008 (0.09401, 0.14641) | 46.8 (34.9, 59.7)  | 0.000088 (0.0000657, 0.0001124)  | 0.10735 (0.08093, 0.13457) |
| Banten   | Tracheal, bronchus, and lung cancer           | 15  | 5.3 (1.9, 11.7)      | 0.0000095 (0.0000034, 0.0000209) | 0.00586 (0.00220, 0.01253) | 1.6 (0.5, 3.6)     | 0.000003 (0.0000010, 0.0000067)  | 0.00371 (0.00124, 0.00830) |
| Banten   | Breast cancer                                 | 15  | 0.2 (0.0, 0.8)       | 0.0000004 (0.0000001, 0.0000015) | 0.00025 (0.00003, 0.00090) | 5.2 (1.7, 11.1)    | 0.0000098 (0.0000033, 0.0000209) | 0.01191 (0.00404, 0.02546) |
| Banten   | Cervical cancer                               | 15  |                      |                                  |                            | 2.8 (0.8, 7.0)     | 0.0000053 (0.0000016, 0.0000131) | 0.00641 (0.00185, 0.01575) |
| Banten   | Other malignant neoplasms                     | 15  | 41.5 (28.9, 57.4)    | 0.0000739 (0.0000514, 0.0001021) | 0.04591 (0.03395, 0.06100) | 36.2 (26.1, 48.3)  | 0.0000681 (0.0000491, 0.0000908) | 0.08308 (0.06032, 0.10848) |
| Banten   | Cerebrovascular disease                       | 15  | 14.8 (8.6, 22.3)     | 0.0000263 (0.0000153, 0.0000397) | 0.01636 (0.01015, 0.02418) | 11.1 (6.8, 16.7)   | 0.000021 (0.0000127, 0.0000314)  | 0.02557 (0.01550, 0.03769) |
| Banten   | Ischemic heart disease                        | 15  | 29.3 (19.4, 42.3)    | 0.0000522 (0.0000345, 0.0000753) | 0.03241 (0.02240, 0.04412) | 18.1 (12.5, 25.3)  | 0.0000341 (0.0000235, 0.0000476) | 0.04158 (0.02906, 0.05815) |
| Banten   | Other cardiovascular and circulatory diseases | 15  | 12.8 (7.1, 21.7)     | 0.0000229 (0.0000127, 0.0000385) | 0.01418 (0.00810, 0.02310) | 10.6 (5.8, 17.9)   | 0.00002 (0.0000109, 0.0000337)   | 0.02436 (0.01348, 0.04084) |
| Banten   | Diabetes mellitus                             | 15  | 8.8 (4.7, 14.6)      | 0.0000157 (0.0000084, 0.0000260) | 0.00975 (0.00546, 0.01563) | 9.0 (4.9, 14.9)    | 0.000017 (0.0000092, 0.0000280)  | 0.02066 (0.01148, 0.03316) |
| Banten   | Chronic kidney disease                        | 15  | 19.0 (11.8, 28.6)    | 0.0000339 (0.0000211, 0.0000508) | 0.02102 (0.01341, 0.03086) | 14.1 (8.7, 21.5)   | 0.0000265 (0.0000164, 0.0000404) | 0.03236 (0.02080, 0.04859) |
| Banten   | Cirrhosis                                     | 15  | 30.0 (19.3, 43.7)    | 0.0000533 (0.0000343, 0.0000779) | 0.03315 (0.02232, 0.04607) | 11.8 (7.4, 17.5)   | 0.0000222 (0.0000139, 0.0000329) | 0.02703 (0.01708, 0.03896) |
| Banten   | Chronic respiratory diseases                  | 15  | 10.3 (6.0, 16.4)     | 0.0000184 (0.0000108, 0.0000292) | 0.01142 (0.00683, 0.01745) | 4.1 (2.2, 6.6)     | 0.0000077 (0.0000041, 0.0000125) | 0.00934 (0.00507, 0.01510) |
| Banten   | Other non-communicable diseases               | 15  | 84.0 (63.8, 107.4)   | 0.0001495 (0.0001136, 0.0001912) | 0.09283 (0.07435, 0.11253) | 59.6 (46.7, 73.9)  | 0.0001121 (0.0000879, 0.0001390) | 0.13671 (0.10862, 0.16392) |
| Banten   | Drowning                                      | 15  | 25.1 (12.5, 44.7)    | 0.0000447 (0.0000222, 0.0000796) | 0.02777 (0.01448, 0.04907) | 5.8 (2.6, 10.7)    | 0.0000108 (0.0000049, 0.0000202) | 0.01324 (0.00615, 0.02438) |
| Banten   | Falls                                         | 15  | 17.0 (9.3, 28.9)     | 0.0000302 (0.0000166, 0.0000514) | 0.01875 (0.01085, 0.03145) | 5.4 (2.8, 9.8)     | 0.0000102 (0.0000053, 0.0000183) | 0.01238 (0.00657, 0.02246) |
| Banten   | Interpersonal violence                        | 15  | 3.9 (1.9, 7.1)       | 0.000007 (0.0000034, 0.0000127)  | 0.00436 (0.00226, 0.00770) | 2.2 (1.1, 4.1)     | 0.0000042 (0.0000020, 0.0000077) | 0.00508 (0.00246, 0.00921) |
| Banten   | Self-harm                                     | 15  | 14.6 (7.2, 27.0)     | 0.000026 (0.0000128, 0.0000480)  | 0.01615 (0.00821, 0.02928) | 7.1 (3.2, 13.4)    | 0.0000134 (0.0000061, 0.0000252) | 0.01631 (0.00753, 0.03078) |
| Banten   | Transport injuries                            | 15  | 315.0 (255.0, 376.8) | 0.0005606 (0.0004538, 0.0006706) | 0.34821 (0.30910, 0.38772) | 93.3 (76.1, 114.3) | 0.0001755 (0.0001431, 0.0002151) | 0.21399 (0.17713, 0.25308) |
| Banten   | Other unintentional injuries                  | 15  | 21.6 (12.7, 34.5)    | 0.0000384 (0.0000227, 0.0000614) | 0.02385 (0.01474, 0.03676) | 6.8 (3.8, 11.3)    | 0.0000127 (0.0000071, 0.0000213) | 0.0155 (0.00864, 0.02556)  |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Diarrheal diseases                            | 20  | 21.2 (12.1, 33.9)    | 0.0000386 (0.0000220, 0.0000618) | 0.01733 (0.01013, 0.02661) | 12.1 (7.1, 18.9)   | 0.0000224 (0.0000131, 0.0000349) | 0.02186 (0.01304, 0.03286) |
| Banten   | HIV/AIDS                                      | 20  | 34.4 (17.1, 62.3)    | 0.0000627 (0.0000311, 0.0001135) | 0.02816 (0.01381, 0.04919) | 13.4 (6.5, 24.0)   | 0.0000248 (0.0000121, 0.0000444) | 0.02424 (0.01202, 0.04302) |
| Banten   | Lower respiratory infections                  | 20  | 18.3 (10.9, 28.2)    | 0.0000334 (0.0000198, 0.0000514) | 0.01498 (0.00956, 0.02239) | 6.0 (3.5, 9.6)     | 0.0000111 (0.0000064, 0.0000177) | 0.0108 (0.00649, 0.01680)  |
| Banten   | Malaria                                       | 20  | 4.8 (0.9, 14.8)      | 0.0000088 (0.0000016, 0.0000270) | 0.00397 (0.00071, 0.01161) | 1.9 (0.3, 6.0)     | 0.0000034 (0.0000005, 0.0000111) | 0.00335 (0.00055, 0.01047) |
| Banten   | Tuberculosis                                  | 20  | 207.9 (152.8, 266.4) | 0.0003787 (0.0002783, 0.0004853) | 0.16996 (0.14107, 0.20105) | 63.4 (48.0, 82.8)  | 0.000117 (0.0000886, 0.0001528)  | 0.11405 (0.08934, 0.14021) |
| Banten   | Maternal disorders                            | 20  |                      |                                  |                            | 42.8 (29.0, 60.9)  | 0.0000791 (0.0000535, 0.0001125) | 0.07714 (0.05322, 0.10585) |
| Banten   | Other communicable diseases                   | 20  | 151.7 (114.3, 193.9) | 0.0002763 (0.0002083, 0.0003531) | 0.1241 (0.10207, 0.15001)  | 61.2 (46.9, 80.6)  | 0.0001129 (0.0000865, 0.0001488) | 0.11004 (0.08669, 0.13611) |
| Banten   | Tracheal, bronchus, and lung cancer           | 20  | 4.2 (1.2, 10.3)      | 0.0000076 (0.0000021, 0.0000187) | 0.00341 (0.00104, 0.00851) | 2.8 (1.2, 5.4)     | 0.0000052 (0.0000022, 0.0000100) | 0.00504 (0.00216, 0.00970) |
| Banten   | Breast cancer                                 | 20  | 0.3 (0.1, 0.9)       | 0.0000006 (0.0000002, 0.0000017) | 0.00027 (0.00007, 0.00075) | 17.3 (9.2, 29.2)   | 0.0000319 (0.0000169, 0.0000538) | 0.03109 (0.01699, 0.04959) |
| Banten   | Cervical cancer                               | 20  |                      |                                  |                            | 7.1 (2.7, 14.0)    | 0.000013 (0.0000051, 0.0000259)  | 0.01271 (0.00500, 0.02445) |
| Banten   | Other malignant neoplasms                     | 20  | 46.8 (32.5, 65.3)    | 0.0000853 (0.0000592, 0.0001189) | 0.03829 (0.02788, 0.05043) | 44.5 (31.3, 60.5)  | 0.0000822 (0.0000578, 0.0001117) | 0.08015 (0.05839, 0.10709) |
| Banten   | Cerebrovascular disease                       | 20  | 32.8 (22.6, 44.3)    | 0.0000597 (0.0000411, 0.0000807) | 0.02681 (0.02006, 0.03456) | 20.1 (14.2, 27.7)  | 0.0000372 (0.0000262, 0.0000511) | 0.03625 (0.02686, 0.04715) |
| Banten   | Ischemic heart disease                        | 20  | 64.3 (45.9, 86.6)    | 0.0001172 (0.0000837, 0.0001578) | 0.05258 (0.04089, 0.06616) | 24.6 (17.5, 33.4)  | 0.0000454 (0.0000323, 0.0000617) | 0.04425 (0.03341, 0.05803) |
| Banten   | Other cardiovascular and circulatory diseases | 20  | 22.9 (14.8, 33.1)    | 0.0000417 (0.0000269, 0.0000602) | 0.01876 (0.01252, 0.02637) | 17.3 (11.7, 24.6)  | 0.0000319 (0.0000215, 0.0000453) | 0.03108 (0.02144, 0.04359) |
| Banten   | Diabetes mellitus                             | 20  | 10.4 (6.3, 16.2)     | 0.0000189 (0.0000115, 0.0000294) | 0.00851 (0.00526, 0.01275) | 9.4 (5.7, 14.5)    | 0.0000174 (0.0000106, 0.0000268) | 0.01699 (0.01073, 0.02580) |
| Banten   | Chronic kidney disease                        | 20  | 36.3 (24.3, 51.1)    | 0.0000661 (0.0000442, 0.0000931) | 0.02969 (0.02147, 0.03985) | 23.4 (16.1, 33.1)  | 0.0000432 (0.0000297, 0.0000611) | 0.04206 (0.02991, 0.05628) |
| Banten   | Cirrhosis                                     | 20  | 57.1 (38.3, 79.7)    | 0.0001041 (0.0000697, 0.0001452) | 0.0467 (0.03422, 0.06133)  | 21.0 (14.3, 29.4)  | 0.0000388 (0.0000264, 0.0000543) | 0.0378 (0.02691, 0.05081)  |
| Banten   | Chronic respiratory diseases                  | 20  | 24.9 (16.2, 36.9)    | 0.0000453 (0.0000296, 0.0000672) | 0.02037 (0.01357, 0.02906) | 11.6 (7.3, 17.6)   | 0.0000214 (0.0000134, 0.0000325) | 0.02084 (0.01359, 0.03018) |
| Banten   | Other non-communicable diseases               | 20  | 94.3 (69.7, 122.4)   | 0.0001718 (0.0001269, 0.0002229) | 0.07716 (0.06191, 0.09345) | 58.1 (44.8, 73.4)  | 0.0001073 (0.0000827, 0.0001356) | 0.10461 (0.08442, 0.12589) |
| Banten   | Drowning                                      | 20  | 20.3 (8.9, 36.3)     | 0.0000371 (0.0000162, 0.0000661) | 0.01662 (0.00752, 0.02921) | 4.4 (1.9, 8.5)     | 0.0000082 (0.0000035, 0.0000157) | 0.00796 (0.00350, 0.01511) |
| Banten   | Falls                                         | 20  | 19.0 (10.3, 31.5)    | 0.0000347 (0.0000188, 0.0000573) | 0.01555 (0.00871, 0.02449) | 5.5 (2.8, 9.5)     | 0.0000101 (0.0000052, 0.0000175) | 0.00983 (0.00512, 0.01694) |
| Banten   | Interpersonal violence                        | 20  | 5.6 (2.8, 10.2)      | 0.0000103 (0.0000052, 0.0000185) | 0.00462 (0.00241, 0.00809) | 2.4 (1.2, 4.5)     | 0.0000045 (0.0000022, 0.0000083) | 0.00441 (0.00215, 0.00793) |
| Banten   | Self-harm                                     | 20  | 18.1 (8.8, 32.5)     | 0.0000329 (0.0000161, 0.0000591) | 0.01477 (0.00728, 0.02624) | 6.6 (3.0, 12.4)    | 0.0000122 (0.0000056, 0.0000229) | 0.01191 (0.00554, 0.02163) |
| Banten   | Transport injuries                            | 20  | 298.9 (227.7, 370.5) | 0.0005444 (0.0004148, 0.0006749) | 0.2444 (0.20945, 0.28045)  | 71.4 (54.0, 92.2)  | 0.0001318 (0.0000997, 0.0001702) | 0.12838 (0.10267, 0.15596) |
| Banten   | Other unintentional injuries                  | 20  | 28.1 (15.8, 45.7)    | 0.0000512 (0.0000289, 0.0000832) | 0.02299 (0.01392, 0.03569) | 7.3 (4.1, 12.2)    | 0.0000135 (0.0000076, 0.0000225) | 0.01315 (0.00745, 0.02175) |
| Banten   | Diarrheal diseases                            | 25  | 32.1 (19.9, 50.2)    | 0.0000557 (0.0000346, 0.0000870) | 0.0215 (0.01380, 0.03151)  | 18.2 (11.1, 28.5)  | 0.0000032 (0.0000195, 0.0000502) | 0.02539 (0.01640, 0.03822) |
| Banten   | HIV/AIDS                                      | 25  | 64.8 (36.7, 107.1)   | 0.0001124 (0.0000637, 0.0001857) | 0.04341 (0.02487, 0.06957) | 25.3 (13.7, 40.7)  | 0.0000445 (0.0000242, 0.0000718) | 0.0354 (0.01998, 0.05554)  |
| Banten   | Lower respiratory infections                  | 25  | 19.2 (11.6, 28.8)    | 0.0000334 (0.0000201, 0.0000499) | 0.01289 (0.00837, 0.01907) | 6.3 (3.7, 10.3)    | 0.0000011 (0.0000005, 0.0000018) | 0.00875 (0.00542, 0.01377) |
| Banten   | Malaria                                       | 25  | 5.6 (1.0, 17.5)      | 0.0000097 (0.0000018, 0.0000303) | 0.00376 (0.00071, 0.01159) | 2.1 (0.4, 6.8)     | 0.0000036 (0.0000006, 0.0000120) | 0.00289 (0.00051, 0.00963) |
| Banten   | Tuberculosis                                  | 25  | 290.2 (219.1, 362.7) | 0.0005032 (0.0003799, 0.0006290) | 0.19438 (0.16115, 0.22652) | 85.0 (61.3, 113.8) | 0.0001499 (0.0001081, 0.0002007) | 0.119 (0.09274, 0.14535)   |
| Banten   | Maternal disorders                            | 25  |                      |                                  |                            | 61.1 (40.7, 87.4)  | 0.0001077 (0.0000718, 0.0001540) | 0.08556 (0.06099, 0.11471) |
| Banten   | Other communicable diseases                   | 25  | 171.4 (127.9, 214.4) | 0.0002972 (0.0002218, 0.0003718) | 0.1149 (0.09386, 0.13786)  | 68.8 (49.8, 93.0)  | 0.0001212 (0.0000878, 0.0001640) | 0.09624 (0.07569, 0.11960) |
| Banten   | Tracheal, bronchus, and lung cancer           | 25  | 5.4 (1.4, 12.5)      | 0.0000093 (0.0000024, 0.0000216) | 0.00359 (0.00096, 0.00838) | 4.0 (1.8, 7.6)     | 0.0000071 (0.0000031, 0.0000134) | 0.00562 (0.00259, 0.01034) |
| Banten   | Breast cancer                                 | 25  | 0.4 (0.1, 1.2)       | 0.0000007 (0.0000002, 0.0000021) | 0.00026 (0.00006, 0.00076) | 38.1 (23.6, 58.0)  | 0.0000672 (0.0000416, 0.0001022) | 0.05333 (0.03523, 0.07637) |
| Banten   | Cervical cancer                               | 25  |                      |                                  |                            | 13.6 (5.9, 25.6)   | 0.0000239 (0.0000104, 0.0000451) | 0.019 (0.00840, 0.03413)   |
| Banten   | Other malignant neoplasms                     | 25  | 70.6 (51.5, 95.7)    | 0.0001224 (0.0000894, 0.0001659) | 0.04729 (0.03659, 0.06081) | 53.1 (35.6, 74.9)  | 0.0000937 (0.0000627, 0.0001320) | 0.07439 (0.05395, 0.09827) |
| Banten   | Cerebrovascular disease                       | 25  | 61.4 (45.5, 80.4)    | 0.0001065 (0.0000790, 0.0001395) | 0.04113 (0.03357, 0.04970) | 36.7 (27.0, 49.5)  | 0.0000646 (0.0000475, 0.0000872) | 0.05128 (0.04095, 0.06289) |
| Banten   | Ischemic heart disease                        | 25  | 125.5 (94.3, 156.9)  | 0.0002176 (0.0001635, 0.0002722) | 0.08408 (0.06951, 0.09920) | 44.6 (33.1, 59.0)  | 0.0000786 (0.0000584, 0.0001040) | 0.06243 (0.04980, 0.07567) |
| Banten   | Other cardiovascular and circulatory diseases | 25  | 32.2 (22.3, 43.9)    | 0.0000558 (0.0000386, 0.0000762) | 0.02157 (0.01563, 0.02820) | 24.0 (16.2, 34.1)  | 0.0000423 (0.0000285, 0.0000601) | 0.03361 (0.02441, 0.04513) |
| Banten   | Diabetes mellitus                             | 25  | 19.3 (13.2, 26.7)    | 0.0000334 (0.0000229, 0.0000464) | 0.01293 (0.00925, 0.01738) | 16.6 (11.2, 24.1)  | 0.0000292 (0.0000197, 0.0000424) | 0.02321 (0.01660, 0.03146) |
| Banten   | Chronic kidney disease                        | 25  | 45.5 (31.7, 62.5)    | 0.000079 (0.0000550, 0.0001084)  | 0.03052 (0.02275, 0.03995) | 27.7 (19.3, 39.6)  | 0.0000488 (0.0000341, 0.0000699) | 0.03873 (0.02879, 0.05107) |
| Banten   | Cirrhosis                                     | 25  | 86.1 (60.7, 114.6)   | 0.0001493 (0.0001052, 0.0001987) | 0.05766 (0.04568, 0.07334) | 30.6 (21.4, 42.5)  | 0.000054 (0.0000377, 0.0000748)  | 0.04284 (0.03247, 0.05510) |
| Banten   | Chronic respiratory diseases                  | 25  | 32.7 (22.4, 45.2)    | 0.0000567 (0.0000388, 0.0000785) | 0.02193 (0.01589, 0.02939) | 15.2 (9.8, 22.5)   | 0.0000268 (0.0000173, 0.0000397) | 0.02126 (0.01457, 0.02946) |
| Banten   | Other non-communicable diseases               | 25  | 115.7 (87.1, 149.0)  | 0.0002006 (0.0001511, 0.0002585) | 0.07747 (0.06376, 0.09099) | 70.0 (52.6, 91.6)  | 0.0001234 (0.0000926, 0.0001614) | 0.09798 (0.08086, 0.11551) |
| Banten   | Drowning                                      | 25  | 13.7 (5.7, 26.5)     | 0.0000238 (0.0000099, 0.0000459) | 0.00921 (0.00387, 0.01748) | 3.0 (1.2, 6.0)     | 0.0000052 (0.0000021, 0.0000105) | 0.00414 (0.00178, 0.00811) |
| Banten   | Falls                                         | 25  | 28.1 (16.2, 47.0)    | 0.0000487 (0.0000282, 0.0000815) | 0.01883 (0.01136, 0.03012) | 7.9 (4.4, 13.4)    | 0.0000139 (0.0000078, 0.0000237) | 0.01104 (0.00638, 0.01803) |
| Banten   | Interpersonal violence                        | 25  | 6.1 (3.0, 11.1)      | 0.0000106 (0.0000052, 0.0000192) | 0.0041 (0.00204, 0.00734)  | 2.5 (1.1, 4.5)     | 0.0000043 (0.0000020, 0.0000080) | 0.00345 (0.00164, 0.00623) |
| Banten   | Self-harm                                     | 25  | 18.2 (8.9, 32.9)     | 0.0000316 (0.0000155, 0.0000571) | 0.01221 (0.00611, 0.02171) | 6.1 (2.8, 12.0)    | 0.0000108 (0.0000050, 0.0000211) | 0.0086 (0.00405, 0.01596)  |
| Banten   | Transport injuries                            | 25  | 213.0 (155.3, 272.3) | 0.0003694 (0.0002693, 0.0004723) | 0.14267 (0.11393, 0.17169) | 45.5 (32.0, 63.1)  | 0.0000801 (0.0000564, 0.0001113) | 0.0636 (0.04703, 0.08086)  |
| Banten   | Other unintentional injuries                  | 25  | 35.4 (20.6, 56.6)    | 0.0000615 (0.0000357, 0.0000982) | 0.02373 (0.01441, 0.03643) | 8.8 (5.0, 14.5)    | 0.0000154 (0.0000088, 0.0000256) | 0.01225 (0.00706, 0.01939) |
| Banten   | Diarrheal diseases                            | 30  | 34.0 (20.2, 52.7)    | 0.0000652 (0.0000387, 0.0001010) | 0.0222 (0.01368, 0.03262)  | 21.7 (13.1, 33.7)  | 0.0000421 (0.0000254, 0.0000654) | 0.02612 (0.01658, 0.03748) |
| Banten   | HIV/AIDS                                      | 30  | 62.3 (34.7, 101.2)   | 0.0001195 (0.0000666, 0.0001941) | 0.04069 (0.02363, 0.06331) | 28.1 (15.4, 46.1)  | 0.0000544 (0.0000299, 0.0000894) | 0.03383 (0.01906, 0.05295) |
| Banten   | Lower respiratory infections                  | 30  | 16.6 (10.3, 25.6)    | 0.0000319 (0.0000197, 0.0000490) | 0.01087 (0.00701, 0.01644) | 6.4 (3.7, 10.5)    | 0.0000124 (0.0000072, 0.0000203) | 0.0077 (0.00476, 0.01182)  |
| Banten   | Malaria                                       | 30  | 4.7 (0.9, 14.5)      | 0.0000089 (0.0000017, 0.0000278) | 0.00304 (0.00058, 0.00919) | 1.8 (0.3, 6.1)     | 0.0000035 (0.0000006, 0.0000118) | 0.00218 (0.00036, 0.00688) |
| Banten   | Tuberculosis                                  | 30  | 279.0 (207.6, 354.8) | 0.0005349 (0.0003979, 0.0006802) | 0.18209 (0.15258, 0.21271) | 89.9 (63.7, 119.6) | 0.0001742 (0.0001235, 0.0002318) | 0.10822 (0.08629, 0.13177) |
| Banten   | Maternal disorders                            | 30  |                      |                                  |                            | 58.8 (37.4, 83.9)  | 0.0001139 (0.0000724, 0.0001625) | 0.07082 (0.04960, 0.09591) |
| Banten   | Other communicable diseases                   | 30  | 114.2 (83.1, 152.7)  | 0.000219 (0.0001593, 0.0002927)  | 0.07462 (0.05835, 0.09463) | 52.6 (36.0, 74.8)  | 0.000102 (0.0000699, 0.0001450)  | 0.06332 (0.04836, 0.08203) |
| Banten   | Tracheal, bronchus, and lung cancer           | 30  | 12.2 (4.7, 26.0)     | 0.0000235 (0.0000090, 0.0000499) | 0.00799 (0.00326, 0.01653) | 4.8 (2.1, 9.4)     | 0.0000093 (0.0000042, 0.0000182) | 0.00579 (0.00273, 0.01062) |
| Banten   | Breast cancer                                 | 30  | 0.5 (0.1, 1.9)       | 0.000001 (0.0000002, 0.0000037)  | 0.00034 (0.00006, 0.00120) | 62.3 (40.0, 90.3)  | 0.0001207 (0.0000776, 0.0001750) | 0.0749 (0.05390, 0.10069)  |
| Banten   | Cervical cancer                               | 30  |                      |                                  |                            | 21.4 (10.2, 38.8)  | 0.0000415 (0.0000198, 0.0000752) | 0.02577 (0.01291, 0.04333) |
| Banten   | Other malignant neoplasms                     | 30  | 87.7 (62.7, 117.7)   | 0.000168 (0.0001201, 0.0002257)  | 0.05723 (0.04571, 0.07265) | 56.6 (37.5, 83.2)  | 0.0001097 (0.0000726, 0.0001613) | 0.06814 (0.04930, 0.09082) |
| Banten   | Cerebrovascular disease                       | 30  | 94.3 (71.3, 122.3)   | 0.0001807 (0.0001367, 0.0002345) | 0.06154 (0.05114, 0.07268) | 61.4 (44.3, 82.2)  | 0.000119 (0.0000860, 0.0001593)  | 0.07391 (0.06155, 0.08766) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Ischemic heart disease                        | 30  | 181.0 (137.8, 225.5) | 0.0003469 (0.0002642, 0.0004323) | 0.11815 (0.10190, 0.13586)  | 67.8 (50.5, 90.8)    | 0.0001314 (0.0000979, 0.0001760) | 0.08166 (0.06757, 0.09623) |
| Banten   | Other cardiovascular and circulatory diseases | 30  | 38.0 (26.3, 52.7)    | 0.0000729 (0.0000503, 0.0001010) | 0.02483 (0.01872, 0.03228)  | 30.8 (20.8, 43.9)    | 0.0000597 (0.0000402, 0.0000852) | 0.03709 (0.02744, 0.04926) |
| Banten   | Diabetes mellitus                             | 30  | 31.6 (22.4, 43.5)    | 0.0000606 (0.0000429, 0.0000835) | 0.02064 (0.01578, 0.02648)  | 28.4 (19.5, 39.5)    | 0.000055 (0.0000378, 0.0000766)  | 0.03417 (0.02650, 0.04392) |
| Banten   | Chronic kidney disease                        | 30  | 49.7 (34.9, 67.8)    | 0.0000953 (0.0000669, 0.0001299) | 0.03244 (0.02438, 0.04184)  | 31.3 (21.5, 44.5)    | 0.0000606 (0.0000417, 0.0000863) | 0.03764 (0.02829, 0.04860) |
| Banten   | Cirrhosis                                     | 30  | 109.5 (79.5, 144.2)  | 0.0002099 (0.0001524, 0.0002764) | 0.07145 (0.05680, 0.08849)  | 42.4 (29.7, 59.1)    | 0.0000823 (0.0000576, 0.0001145) | 0.05109 (0.04000, 0.06436) |
| Banten   | Chronic respiratory diseases                  | 30  | 32.8 (22.3, 46.2)    | 0.0000628 (0.0000427, 0.0000885) | 0.0214 (0.01546, 0.02882)   | 16.6 (10.5, 25.7)    | 0.0000322 (0.0000204, 0.0000498) | 0.02001 (0.01390, 0.02780) |
| Banten   | Other non-communicable diseases               | 30  | 116.4 (86.1, 152.5)  | 0.0002232 (0.0001651, 0.0002923) | 0.07594 (0.06283, 0.09084)  | 76.9 (56.0, 103.8)   | 0.0001491 (0.0001086, 0.0002011) | 0.09258 (0.07758, 0.10843) |
| Banten   | Drowning                                      | 30  | 14.0 (6.5, 25.6)     | 0.0000268 (0.0000125, 0.0000491) | 0.0091 (0.00419, 0.01683)   | 3.7 (1.6, 7.1)       | 0.0000071 (0.0000030, 0.0000137) | 0.00443 (0.00189, 0.00825) |
| Banten   | Falls                                         | 30  | 31.1 (17.4, 49.6)    | 0.0000596 (0.0000333, 0.0000951) | 0.02028 (0.01207, 0.03222)  | 10.3 (5.6, 17.5)     | 0.0000199 (0.0000109, 0.0000339) | 0.01236 (0.00715, 0.01968) |
| Banten   | Interpersonal violence                        | 30  | 4.7 (2.3, 8.5)       | 0.000009 (0.0000045, 0.0000163)  | 0.00305 (0.00157, 0.00543)  | 2.0 (0.9, 3.7)       | 0.0000039 (0.0000017, 0.0000071) | 0.00239 (0.00117, 0.00414) |
| Banten   | Self-harm                                     | 30  | 13.9 (6.7, 26.1)     | 0.0000266 (0.0000129, 0.0000500) | 0.00904 (0.00440, 0.01681)  | 4.8 (2.2, 9.8)       | 0.0000094 (0.0000043, 0.0000191) | 0.00583 (0.00268, 0.01122) |
| Banten   | Transport injuries                            | 30  | 172.7 (126.5, 227.2) | 0.0003311 (0.0002425, 0.0004356) | 0.11279 (0.08807, 0.13866)  | 41.4 (27.4, 59.3)    | 0.0000803 (0.0000531, 0.0001150) | 0.04984 (0.03589, 0.06487) |
| Banten   | Other unintentional injuries                  | 30  | 31.1 (17.2, 48.6)    | 0.0000595 (0.0000330, 0.0000933) | 0.02026 (0.01253, 0.03086)  | 8.5 (4.7, 14.0)      | 0.0000165 (0.0000092, 0.0000272) | 0.01022 (0.00595, 0.01642) |
| Banten   | Diarrheal diseases                            | 35  | 30.8 (18.7, 48.3)    | 0.0000639 (0.0000388, 0.0001002) | 0.01692 (0.01082, 0.02512)  | 20.8 (12.9, 32.8)    | 0.0000461 (0.0000284, 0.0000726) | 0.01916 (0.01253, 0.02801) |
| Banten   | HIV/AIDS                                      | 35  | 57.1 (30.1, 94.5)    | 0.0001185 (0.0000624, 0.0001961) | 0.03137 (0.01762, 0.04984)  | 26.4 (13.8, 42.9)    | 0.0000583 (0.0000306, 0.0000950) | 0.02428 (0.01347, 0.04038) |
| Banten   | Lower respiratory infections                  | 35  | 18.5 (11.4, 27.4)    | 0.0000383 (0.0000237, 0.0000568) | 0.01015 (0.00674, 0.01491)  | 7.7 (4.6, 12.3)      | 0.000017 (0.0000102, 0.0000272)  | 0.00707 (0.00446, 0.01059) |
| Banten   | Malaria                                       | 35  | 4.1 (0.8, 12.6)      | 0.0000084 (0.0000017, 0.0000261) | 0.00223 (0.000044, 0.00676) | 1.6 (0.3, 5.1)       | 0.0000035 (0.0000006, 0.0000113) | 0.00146 (0.00028, 0.00457) |
| Banten   | Tuberculosis                                  | 35  | 299.3 (221.4, 380.3) | 0.0006208 (0.0004591, 0.0007887) | 0.16431 (0.13882, 0.18961)  | 99.0 (70.5, 133.4)   | 0.0002189 (0.0001559, 0.0002951) | 0.09112 (0.07127, 0.11005) |
| Banten   | Maternal disorders                            | 35  |                      |                                  |                             | 81.2 (52.8, 116.1)   | 0.0001795 (0.0001167, 0.0002567) | 0.07463 (0.05268, 0.09961) |
| Banten   | Other communicable diseases                   | 35  | 106.8 (76.5, 142.7)  | 0.0002216 (0.0001586, 0.0002959) | 0.05867 (0.04515, 0.07287)  | 52.7 (35.7, 72.9)    | 0.0001165 (0.0000790, 0.0001611) | 0.0485 (0.03621, 0.06133)  |
| Banten   | Tracheal, bronchus, and lung cancer           | 35  | 11.4 (5.1, 22.5)     | 0.0000236 (0.0000105, 0.0000466) | 0.00624 (0.00287, 0.01212)  | 6.8 (3.2, 12.4)      | 0.0000151 (0.0000070, 0.0000275) | 0.00625 (0.00307, 0.01133) |
| Banten   | Breast cancer                                 | 35  | 1.1 (0.2, 3.6)       | 0.0000022 (0.0000004, 0.0000074) | 0.00059 (0.00011, 0.00195)  | 91.0 (59.0, 131.4)   | 0.0002013 (0.0001304, 0.0002905) | 0.08366 (0.05995, 0.11116) |
| Banten   | Cervical cancer                               | 35  |                      |                                  |                             | 37.0 (18.8, 65.1)    | 0.0000818 (0.0000415, 0.0001441) | 0.03404 (0.01770, 0.05851) |
| Banten   | Other malignant neoplasms                     | 35  | 134.8 (99.2, 178.7)  | 0.0002797 (0.0002058, 0.0003706) | 0.07404 (0.05953, 0.09089)  | 64.8 (41.3, 93.6)    | 0.0001434 (0.0000913, 0.0002070) | 0.05966 (0.04122, 0.08143) |
| Banten   | Cerebrovascular disease                       | 35  | 157.5 (120.9, 203.0) | 0.0003266 (0.0002507, 0.0004211) | 0.08648 (0.07355, 0.10011)  | 109.4 (80.4, 143.4)  | 0.0002419 (0.0001778, 0.0003172) | 0.1006 (0.00846, 0.11738)  |
| Banten   | Ischemic heart disease                        | 35  | 255.6 (198.7, 317.2) | 0.0005301 (0.0004121, 0.0006579) | 0.14036 (0.12353, 0.15703)  | 107.9 (80.4, 141.4)  | 0.0002386 (0.0001779, 0.0003128) | 0.09928 (0.08424, 0.11442) |
| Banten   | Other cardiovascular and circulatory diseases | 35  | 52.2 (36.5, 71.5)    | 0.0001082 (0.0000756, 0.0001482) | 0.02865 (0.02208, 0.03591)  | 42.8 (29.4, 59.4)    | 0.0000946 (0.0000651, 0.0001313) | 0.03937 (0.03004, 0.05164) |
| Banten   | Diabetes mellitus                             | 35  | 61.8 (43.9, 84.6)    | 0.0001282 (0.0000911, 0.0001754) | 0.03393 (0.02655, 0.04266)  | 56.3 (39.3, 77.6)    | 0.0001245 (0.0000869, 0.0001716) | 0.05176 (0.04045, 0.06383) |
| Banten   | Chronic kidney disease                        | 35  | 61.1 (43.3, 82.5)    | 0.0001267 (0.0000898, 0.0001712) | 0.03354 (0.02565, 0.04239)  | 38.8 (27.0, 54.9)    | 0.0000859 (0.0000597, 0.0001213) | 0.0357 (0.02732, 0.04577)  |
| Banten   | Cirrhosis                                     | 35  | 145.7 (105.9, 193.8) | 0.0003023 (0.0002197, 0.0004020) | 0.08002 (0.06419, 0.09988)  | 59.4 (41.5, 82.4)    | 0.0001313 (0.0000919, 0.0001822) | 0.05461 (0.04320, 0.06840) |
| Banten   | Chronic respiratory diseases                  | 35  | 44.5 (30.7, 61.4)    | 0.0000923 (0.0000638, 0.0001273) | 0.02445 (0.01821, 0.03165)  | 21.2 (13.7, 30.9)    | 0.0000469 (0.0000303, 0.0000684) | 0.01948 (0.01387, 0.02580) |
| Banten   | Other non-communicable diseases               | 35  | 127.9 (95.6, 168.4)  | 0.0002652 (0.0001984, 0.0003493) | 0.0702 (0.05845, 0.08278)   | 88.3 (64.7, 118.8)   | 0.0001953 (0.0001432, 0.0002628) | 0.0812 (0.06766, 0.09527)  |
| Banten   | Drowning                                      | 35  | 19.5 (8.6, 37.3)     | 0.0000405 (0.0000178, 0.0000773) | 0.01071 (0.00484, 0.01914)  | 6.1 (2.6, 11.8)      | 0.0000135 (0.0000058, 0.0000261) | 0.00561 (0.00246, 0.01034) |
| Banten   | Falls                                         | 35  | 34.2 (19.8, 53.5)    | 0.0000709 (0.0000411, 0.0001109) | 0.01878 (0.01144, 0.02873)  | 13.0 (7.2, 21.5)     | 0.0000287 (0.0000160, 0.0000476) | 0.01193 (0.00708, 0.01874) |
| Banten   | Interpersonal violence                        | 35  | 4.1 (2.0, 7.5)       | 0.0000086 (0.0000041, 0.0000155) | 0.00227 (0.00114, 0.00397)  | 1.9 (0.9, 3.5)       | 0.0000041 (0.0000020, 0.0000076) | 0.0017 (0.00081, 0.00289)  |
| Banten   | Self-harm                                     | 35  | 13.1 (6.2, 24.8)     | 0.0000271 (0.0000129, 0.0000514) | 0.00717 (0.00353, 0.01303)  | 4.7 (2.1, 9.4)       | 0.0000105 (0.0000047, 0.0000209) | 0.00434 (0.00202, 0.00807) |
| Banten   | Transport injuries                            | 35  | 149.4 (104.4, 199.8) | 0.0003099 (0.0002166, 0.0004143) | 0.08201 (0.06264, 0.10099)  | 39.3 (25.3, 57.3)    | 0.000087 (0.0000560, 0.0001267)  | 0.03615 (0.02591, 0.04714) |
| Banten   | Other unintentional injuries                  | 35  | 30.8 (17.6, 50.1)    | 0.0000639 (0.0000366, 0.0001039) | 0.01691 (0.01033, 0.02641)  | 9.2 (5.2, 15.1)      | 0.0000203 (0.0000115, 0.0000334) | 0.00845 (0.00486, 0.01354) |
| Banten   | Diarrheal diseases                            | 40  | 33.7 (21.0, 51.6)    | 0.000082 (0.0000511, 0.0001254)  | 0.01521 (0.00989, 0.02182)  | 29.9 (19.0, 43.3)    | 0.000081 (0.0000516, 0.0001175)  | 0.02323 (0.01557, 0.03193) |
| Banten   | HIV/AIDS                                      | 40  | 31.1 (15.5, 53.1)    | 0.0000756 (0.0000377, 0.0001290) | 0.01405 (0.00733, 0.02275)  | 19.0 (9.9, 31.4)     | 0.0000515 (0.0000268, 0.0000853) | 0.01479 (0.00751, 0.02420) |
| Banten   | Lower respiratory infections                  | 40  | 19.3 (12.6, 29.2)    | 0.000047 (0.0000307, 0.0000709)  | 0.00872 (0.00592, 0.01249)  | 11.2 (7.1, 17.3)     | 0.0000302 (0.0000191, 0.0000470) | 0.00868 (0.00574, 0.01239) |
| Banten   | Malaria                                       | 40  | 4.1 (0.8, 12.6)      | 0.0000099 (0.0000019, 0.0000305) | 0.00183 (0.00036, 0.00537)  | 1.9 (0.3, 6.0)       | 0.0000052 (0.0000009, 0.0000162) | 0.00149 (0.00029, 0.00457) |
| Banten   | Tuberculosis                                  | 40  | 294.6 (225.5, 376.0) | 0.0007159 (0.0005481, 0.0009140) | 0.13289 (0.11487, 0.15294)  | 122.8 (93.0, 159.9)  | 0.0003329 (0.0002520, 0.0004335) | 0.09554 (0.07959, 0.11233) |
| Banten   | Maternal disorders                            | 40  |                      |                                  |                             | 9.8 (5.3, 16.7)      | 0.0000265 (0.0000142, 0.0000452) | 0.0076 (0.00439, 0.01279)  |
| Banten   | Other communicable diseases                   | 40  | 105.3 (75.1, 145.6)  | 0.000256 (0.0001826, 0.0003538)  | 0.04752 (0.03651, 0.06051)  | 69.8 (48.7, 93.7)    | 0.0001892 (0.0001320, 0.0002540) | 0.05429 (0.04200, 0.06776) |
| Banten   | Tracheal, bronchus, and lung cancer           | 40  | 23.2 (10.5, 42.7)    | 0.0000564 (0.0000256, 0.0001039) | 0.01044 (0.00502, 0.01823)  | 8.7 (4.4, 16.1)      | 0.0000235 (0.0000120, 0.0000436) | 0.00673 (0.00368, 0.01144) |
| Banten   | Breast cancer                                 | 40  | 2.0 (0.5, 5.8)       | 0.0000049 (0.0000012, 0.0000140) | 0.00091 (0.00023, 0.00252)  | 118.2 (80.1, 164.3)  | 0.0003205 (0.0002172, 0.0004455) | 0.09191 (0.06706, 0.11756) |
| Banten   | Cervical cancer                               | 40  |                      |                                  |                             | 38.1 (18.9, 69.4)    | 0.0001034 (0.0000512, 0.0001881) | 0.02966 (0.01524, 0.05149) |
| Banten   | Other malignant neoplasms                     | 40  | 174.2 (126.6, 233.1) | 0.0004234 (0.0003076, 0.0005665) | 0.07857 (0.06303, 0.09549)  | 69.7 (45.4, 100.7)   | 0.0001889 (0.0001230, 0.0002729) | 0.05418 (0.03751, 0.07258) |
| Banten   | Cerebrovascular disease                       | 40  | 258.4 (200.2, 332.8) | 0.0006282 (0.0004867, 0.0008090) | 0.1166 (0.10159, 0.13321)   | 170.1 (129.5, 216.7) | 0.0004611 (0.0003510, 0.0005876) | 0.13227 (0.11505, 0.15050) |
| Banten   | Ischemic heart disease                        | 40  | 398.9 (309.6, 501.5) | 0.0009696 (0.0007526, 0.0012188) | 0.17999 (0.16115, 0.20009)  | 157.7 (120.7, 203.9) | 0.0004275 (0.0003272, 0.0005529) | 0.12266 (0.10557, 0.13915) |
| Banten   | Other cardiovascular and circulatory diseases | 40  | 74.9 (54.2, 104.0)   | 0.0001821 (0.0001316, 0.0002527) | 0.0338 (0.02612, 0.04237)   | 56.7 (40.4, 76.3)    | 0.0001537 (0.0001095, 0.0002069) | 0.04414 (0.03382, 0.05537) |
| Banten   | Diabetes mellitus                             | 40  | 132.5 (97.8, 175.3)  | 0.0003221 (0.0002376, 0.0004260) | 0.05978 (0.04792, 0.07191)  | 108.7 (80.3, 140.5)  | 0.0002947 (0.0002178, 0.0003809) | 0.08453 (0.06832, 0.10086) |
| Banten   | Chronic kidney disease                        | 40  | 80.0 (57.1, 109.5)   | 0.0001945 (0.0001389, 0.0002660) | 0.03611 (0.02759, 0.04560)  | 45.5 (32.1, 63.0)    | 0.0001233 (0.0000869, 0.0001708) | 0.03536 (0.02705, 0.04499) |
| Banten   | Cirrhosis                                     | 40  | 185.7 (135.1, 245.7) | 0.0004513 (0.0003285, 0.0005971) | 0.08379 (0.06776, 0.10394)  | 72.0 (51.1, 99.4)    | 0.0001952 (0.0001386, 0.0002695) | 0.05597 (0.04452, 0.07071) |
| Banten   | Chronic respiratory diseases                  | 40  | 57.0 (40.3, 76.2)    | 0.0001384 (0.0000979, 0.0001851) | 0.02571 (0.01932, 0.03305)  | 25.3 (17.2, 35.3)    | 0.0000686 (0.0000467, 0.0000957) | 0.01969 (0.01422, 0.02567) |
| Banten   | Other non-communicable diseases               | 40  | 142.3 (105.9, 188.6) | 0.0003459 (0.0002574, 0.0004585) | 0.06419 (0.05298, 0.07626)  | 92.5 (69.2, 123.1)   | 0.0002508 (0.0001877, 0.0003337) | 0.07193 (0.05956, 0.08491) |
| Banten   | Drowning                                      | 40  | 10.4 (4.2, 20.8)     | 0.0000252 (0.0000102, 0.0000505) | 0.00468 (0.00197, 0.00908)  | 3.5 (1.4, 7.0)       | 0.0000096 (0.0000039, 0.0000191) | 0.00275 (0.00113, 0.00539) |
| Banten   | Falls                                         | 40  | 30.0 (17.6, 48.1)    | 0.000073 (0.0000427, 0.0001169)  | 0.01356 (0.00840, 0.02108)  | 11.8 (6.9, 19.3)     | 0.0000321 (0.0000186, 0.0000524) | 0.00919 (0.00573, 0.01423) |
| Banten   | Interpersonal violence                        | 40  | 3.2 (1.5, 5.8)       | 0.0000077 (0.0000036, 0.0000141) | 0.00144 (0.00068, 0.00255)  | 1.3 (0.6, 2.4)       | 0.0000035 (0.0000016, 0.0000064) | 0.00099 (0.00048, 0.00172) |
| Banten   | Self-harm                                     | 40  | 11.4 (5.6, 21.2)     | 0.0000276 (0.0000137, 0.0000515) | 0.00512 (0.00250, 0.00920)  | 3.6 (1.7, 7.1)       | 0.0000098 (0.0000047, 0.0000193) | 0.0028 (0.00138, 0.00526)  |

# Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Transport injuries                            | 40  | 119.7 (83.3, 162.5)  | 0.000291 (0.0002025, 0.0003951)  | 0.05404 (0.04065, 0.06796) | 31.1 (20.5, 43.5)    | 0.0000843 (0.0000556, 0.0001179) | 0.02418 (0.01717, 0.03154) |
| Banten   | Other unintentional injuries                  | 40  | 24.5 (13.7, 39.8)    | 0.0000594 (0.0000333, 0.0000967) | 0.01103 (0.00651, 0.01727) | 7.0 (3.8, 11.7)      | 0.0000189 (0.0000104, 0.0000316) | 0.00543 (0.00310, 0.00872) |
| Banten   | Diarrheal diseases                            | 45  | 30.4 (19.0, 46.0)    | 0.0000968 (0.0000606, 0.0001463) | 0.01285 (0.00835, 0.01805) | 31.8 (20.5, 47.0)    | 0.0001144 (0.0000738, 0.0001689) | 0.02087 (0.01448, 0.02912) |
| Banten   | HIV/AIDS                                      | 45  | 15.2 (7.2, 27.3)     | 0.0000483 (0.0000229, 0.0000867) | 0.00641 (0.00308, 0.01160) | 11.0 (5.4, 19.3)     | 0.0000396 (0.0000195, 0.0000694) | 0.00725 (0.00365, 0.01237) |
| Banten   | Lower respiratory infections                  | 45  | 21.8 (13.9, 32.5)    | 0.0000694 (0.0000442, 0.0001035) | 0.00922 (0.00626, 0.01318) | 15.6 (9.9, 23.4)     | 0.0000559 (0.0000355, 0.0000842) | 0.01022 (0.00684, 0.01440) |
| Banten   | Malaria                                       | 45  | 3.2 (0.6, 9.7)       | 0.0000102 (0.0000019, 0.0000308) | 0.00135 (0.00026, 0.00410) | 1.7 (0.3, 5.3)       | 0.000006 (0.0000010, 0.0000192)  | 0.0011 (0.00021, 0.00337)  |
| Banten   | Tuberculosis                                  | 45  | 299.0 (230.8, 381.1) | 0.0009512 (0.0007343, 0.0012125) | 0.12612 (0.10980, 0.14393) | 143.5 (111.6, 180.5) | 0.0005155 (0.0004011, 0.0006486) | 0.09418 (0.07985, 0.11035) |
| Banten   | Maternal disorders                            | 45  |                      |                                  |                            | 4.5 (1.9, 8.7)       | 0.0000161 (0.0000070, 0.0000314) | 0.00295 (0.00133, 0.00544) |
| Banten   | Other communicable diseases                   | 45  | 81.8 (58.7, 111.3)   | 0.0002602 (0.0001867, 0.0003540) | 0.03452 (0.02642, 0.04339) | 65.1 (46.6, 86.1)    | 0.0002339 (0.0001675, 0.0003093) | 0.04274 (0.03295, 0.05326) |
| Banten   | Tracheal, bronchus, and lung cancer           | 45  | 29.2 (15.1, 50.0)    | 0.000093 (0.0000480, 0.0001590)  | 0.01231 (0.00696, 0.01980) | 11.5 (6.1, 20.6)     | 0.0000413 (0.0000219, 0.0000741) | 0.00754 (0.00420, 0.01271) |
| Banten   | Breast cancer                                 | 45  | 2.4 (0.8, 6.1)       | 0.0000076 (0.0000025, 0.0000193) | 0.00101 (0.00033, 0.00243) | 118.4 (83.4, 163.0)  | 0.0004253 (0.0002995, 0.0005857) | 0.07765 (0.05916, 0.10075) |
| Banten   | Cervical cancer                               | 45  |                      |                                  |                            | 34.5 (17.9, 60.5)    | 0.0001241 (0.0000642, 0.0002174) | 0.02267 (0.01195, 0.03827) |
| Banten   | Other malignant neoplasms                     | 45  | 154.5 (113.7, 208.0) | 0.0004916 (0.0003619, 0.0006617) | 0.06517 (0.05218, 0.07952) | 67.6 (45.5, 96.5)    | 0.0002429 (0.0001636, 0.0003467) | 0.04436 (0.03194, 0.06003) |
| Banten   | Cerebrovascular disease                       | 45  | 337.1 (265.6, 434.0) | 0.0010724 (0.0008451, 0.0013809) | 0.14214 (0.12507, 0.16008) | 246.8 (197.7, 305.4) | 0.0008866 (0.0007102, 0.0010974) | 0.16192 (0.14373, 0.18087) |
| Banten   | Ischemic heart disease                        | 45  | 465.8 (368.4, 588.6) | 0.001482 (0.0011720, 0.0018727)  | 0.19648 (0.17716, 0.21739) | 204.1 (162.2, 255.7) | 0.0007335 (0.0005829, 0.0009189) | 0.13399 (0.11648, 0.15186) |
| Banten   | Other cardiovascular and circulatory diseases | 45  | 89.0 (64.0, 121.9)   | 0.0002831 (0.0002038, 0.0003880) | 0.03751 (0.02957, 0.04722) | 73.4 (54.6, 95.2)    | 0.0002638 (0.0001960, 0.0003422) | 0.04821 (0.03814, 0.05978) |
| Banten   | Diabetes mellitus                             | 45  | 198.7 (149.3, 262.5) | 0.0006321 (0.0004749, 0.0008353) | 0.08379 (0.06937, 0.09936) | 176.0 (133.2, 221.0) | 0.0006322 (0.0004785, 0.0007940) | 0.11543 (0.09708, 0.13533) |
| Banten   | Chronic kidney disease                        | 45  | 80.9 (57.2, 110.2)   | 0.0002573 (0.0001821, 0.0003506) | 0.03412 (0.02599, 0.04345) | 49.5 (35.6, 67.7)    | 0.0001778 (0.0001281, 0.0002431) | 0.03247 (0.02459, 0.04149) |
| Banten   | Cirrhosis                                     | 45  | 179.5 (132.3, 237.4) | 0.0005709 (0.0004211, 0.0007552) | 0.07568 (0.06075, 0.09378) | 78.3 (56.5, 105.6)   | 0.0002812 (0.0002031, 0.0003794) | 0.05133 (0.03972, 0.06389) |
| Banten   | Chronic respiratory diseases                  | 45  | 71.8 (51.6, 96.7)    | 0.0002285 (0.0001640, 0.0003076) | 0.03032 (0.02342, 0.03839) | 35.3 (24.9, 48.4)    | 0.000127 (0.0000893, 0.0001741)  | 0.0232 (0.01722, 0.02981)  |
| Banten   | Other non-communicable diseases               | 45  | 132.0 (98.8, 176.9)  | 0.00042 (0.0003142, 0.0005629)   | 0.05567 (0.04624, 0.06581) | 95.0 (72.8, 124.0)   | 0.0003415 (0.0002617, 0.0004454) | 0.06237 (0.05186, 0.07434) |
| Banten   | Drowning                                      | 45  | 6.3 (2.5, 12.3)      | 0.00002 (0.0000080, 0.0000392)   | 0.00266 (0.00109, 0.00491) | 2.6 (1.1, 5.3)       | 0.0000095 (0.0000038, 0.0000189) | 0.00174 (0.00070, 0.00338) |
| Banten   | Falls                                         | 45  | 30.2 (18.0, 49.3)    | 0.0000961 (0.0000571, 0.0001568) | 0.01275 (0.00798, 0.01925) | 14.2 (8.4, 22.4)     | 0.0000509 (0.0000301, 0.0000804) | 0.00928 (0.00581, 0.01395) |
| Banten   | Interpersonal violence                        | 45  | 2.5 (1.2, 4.6)       | 0.0000079 (0.0000037, 0.0000146) | 0.00104 (0.00050, 0.00187) | 1.1 (0.5, 2.0)       | 0.0000038 (0.0000018, 0.0000071) | 0.0007 (0.00034, 0.00123)  |
| Banten   | Self-harm                                     | 45  | 10.1 (4.7, 18.8)     | 0.0000322 (0.0000150, 0.0000600) | 0.00426 (0.00208, 0.00776) | 3.4 (1.6, 6.5)       | 0.0000121 (0.0000056, 0.0000235) | 0.0022 (0.00106, 0.00418)  |
| Banten   | Transport injuries                            | 45  | 108.9 (76.9, 149.2)  | 0.0003464 (0.0002446, 0.0004748) | 0.04591 (0.03440, 0.05811) | 32.5 (21.8, 45.9)    | 0.0001167 (0.0000783, 0.0001650) | 0.02132 (0.01503, 0.02851) |
| Banten   | Other unintentional injuries                  | 45  | 20.7 (11.5, 33.2)    | 0.0000659 (0.0000365, 0.0001058) | 0.00873 (0.00515, 0.01355) | 6.6 (3.7, 11.0)      | 0.0000238 (0.0000134, 0.0000396) | 0.00435 (0.00252, 0.00717) |
| Banten   | Diarrheal diseases                            | 50  | 39.9 (25.6, 58.2)    | 0.0001672 (0.0001074, 0.0002437) | 0.01472 (0.01000, 0.02016) | 40.9 (27.5, 57.2)    | 0.0001966 (0.0001323, 0.0002753) | 0.02389 (0.01694, 0.03193) |
| Banten   | HIV/AIDS                                      | 50  | 6.5 (2.9, 12.1)      | 0.0000272 (0.0000123, 0.0000507) | 0.00239 (0.00110, 0.00455) | 4.8 (2.1, 9.1)       | 0.0000231 (0.0000100, 0.0000438) | 0.00281 (0.00125, 0.00523) |
| Banten   | Lower respiratory infections                  | 50  | 28.9 (18.3, 42.7)    | 0.0001209 (0.0000768, 0.0001790) | 0.01065 (0.00731, 0.01521) | 21.2 (13.6, 30.8)    | 0.0001017 (0.0000656, 0.0001481) | 0.01236 (0.00839, 0.01742) |
| Banten   | Malaria                                       | 50  | 3.1 (0.6, 9.4)       | 0.0000131 (0.0000025, 0.0000395) | 0.00115 (0.00023, 0.00345) | 1.5 (0.3, 5.1)       | 0.0000074 (0.0000013, 0.0000247) | 0.0009 (0.00016, 0.00299)  |
| Banten   | Tuberculosis                                  | 50  | 328.6 (257.5, 419.2) | 0.0013765 (0.0010785, 0.0017558) | 0.12123 (0.10624, 0.13714) | 155.1 (120.6, 193.6) | 0.000746 (0.0005799, 0.0009312)  | 0.09066 (0.07770, 0.10473) |
| Banten   | Maternal disorders                            | 50  |                      |                                  |                            | 1.6 (0.5, 3.9)       | 0.0000075 (0.0000023, 0.0000188) | 0.00091 (0.00029, 0.00223) |
| Banten   | Other communicable diseases                   | 50  | 82.3 (58.6, 112.2)   | 0.0003447 (0.0002453, 0.0004700) | 0.03036 (0.02307, 0.03846) | 65.0 (46.4, 85.1)    | 0.0003124 (0.0002230, 0.0004093) | 0.03799 (0.02906, 0.04767) |
| Banten   | Tracheal, bronchus, and lung cancer           | 50  | 45.2 (25.5, 74.1)    | 0.0001895 (0.0001069, 0.0003103) | 0.01668 (0.00996, 0.02550) | 12.9 (6.9, 22.9)     | 0.0000622 (0.0000332, 0.0001101) | 0.00755 (0.00415, 0.01298) |
| Banten   | Breast cancer                                 | 50  | 2.3 (1.0, 4.9)       | 0.0000096 (0.0000040, 0.0000204) | 0.00084 (0.00036, 0.00173) | 97.5 (66.3, 134.3)   | 0.0004692 (0.0003191, 0.0006458) | 0.05699 (0.04245, 0.07618) |
| Banten   | Cervical cancer                               | 50  |                      |                                  |                            | 32.5 (16.1, 56.9)    | 0.0001562 (0.0000772, 0.0002737) | 0.01896 (0.00994, 0.03183) |
| Banten   | Other malignant neoplasms                     | 50  | 130.3 (94.2, 176.3)  | 0.0005458 (0.0003947, 0.0007386) | 0.04806 (0.03793, 0.05904) | 64.7 (43.6, 92.9)    | 0.000311 (0.0002099, 0.0004468)  | 0.03778 (0.02706, 0.05106) |
| Banten   | Cerebrovascular disease                       | 50  | 452.8 (360.0, 581.0) | 0.0018965 (0.0015081, 0.0024338) | 0.16703 (0.14947, 0.18716) | 326.4 (261.2, 401.5) | 0.0015698 (0.0012565, 0.0019312) | 0.19074 (0.17157, 0.21133) |
| Banten   | Ischemic heart disease                        | 50  | 561.4 (447.8, 712.0) | 0.0023516 (0.0018757, 0.0029822) | 0.20708 (0.18742, 0.22858) | 236.9 (187.4, 294.3) | 0.0011397 (0.0009014, 0.0014154) | 0.13852 (0.12067, 0.15661) |
| Banten   | Other cardiovascular and circulatory diseases | 50  | 115.4 (83.1, 155.9)  | 0.0004835 (0.0003482, 0.0006532) | 0.04255 (0.03333, 0.05338) | 94.1 (70.7, 122.2)   | 0.0004527 (0.0003401, 0.0005880) | 0.05505 (0.04351, 0.06848) |
| Banten   | Diabetes mellitus                             | 50  | 261.3 (198.2, 345.3) | 0.0010946 (0.0008300, 0.0014462) | 0.09641 (0.08114, 0.11212) | 226.9 (173.7, 283.8) | 0.0010914 (0.0008356, 0.0013649) | 0.13261 (0.11372, 0.15245) |
| Banten   | Chronic kidney disease                        | 50  | 83.8 (59.1, 113.4)   | 0.0003509 (0.0002474, 0.0004751) | 0.03091 (0.02375, 0.03884) | 50.1 (35.8, 67.8)    | 0.0002411 (0.0001724, 0.0003263) | 0.0293 (0.02238, 0.03758)  |
| Banten   | Cirrhosis                                     | 50  | 188.4 (138.2, 250.5) | 0.0007892 (0.0005788, 0.0010494) | 0.0695 (0.05537, 0.08569)  | 82.4 (59.7, 110.0)   | 0.0003963 (0.0002869, 0.0005289) | 0.04812 (0.03779, 0.05931) |
| Banten   | Chronic respiratory diseases                  | 50  | 95.0 (68.6, 128.6)   | 0.0003981 (0.0002872, 0.0005388) | 0.03508 (0.02708, 0.04402) | 48.7 (34.9, 65.9)    | 0.0002341 (0.0001680, 0.0003172) | 0.02844 (0.02129, 0.03606) |
| Banten   | Other non-communicable diseases               | 50  | 138.4 (105.5, 185.0) | 0.0005795 (0.0004417, 0.0007747) | 0.05103 (0.04177, 0.06046) | 98.6 (74.8, 127.2)   | 0.0004745 (0.0003598, 0.0006117) | 0.05765 (0.04770, 0.06879) |
| Banten   | Drowning                                      | 50  | 4.5 (1.9, 9.4)       | 0.0000188 (0.0000078, 0.0000395) | 0.00166 (0.00069, 0.00324) | 1.9 (0.8, 3.8)       | 0.0000092 (0.0000037, 0.0000185) | 0.00111 (0.00045, 0.00221) |
| Banten   | Falls                                         | 50  | 33.5 (20.3, 53.5)    | 0.0001404 (0.0000852, 0.0002239) | 0.01236 (0.00789, 0.01838) | 15.4 (9.7, 23.7)     | 0.0000741 (0.0000467, 0.0001139) | 0.009 (0.00591, 0.01338)   |
| Banten   | Interpersonal violence                        | 50  | 1.8 (0.9, 3.4)       | 0.0000077 (0.0000036, 0.0000141) | 0.00067 (0.00032, 0.00120) | 0.7 (0.3, 1.4)       | 0.0000035 (0.0000016, 0.0000067) | 0.00043 (0.00021, 0.00079) |
| Banten   | Self-harm                                     | 50  | 8.3 (4.1, 15.5)      | 0.0000347 (0.0000170, 0.0000647) | 0.00305 (0.00152, 0.00561) | 2.5 (1.2, 5.0)       | 0.0000121 (0.0000058, 0.0000243) | 0.00147 (0.00072, 0.00277) |
| Banten   | Transport injuries                            | 50  | 82.9 (57.9, 116.1)   | 0.0003473 (0.0002425, 0.0004861) | 0.03058 (0.02240, 0.03969) | 23.7 (15.4, 33.5)    | 0.0001141 (0.0000743, 0.0001612) | 0.01386 (0.00963, 0.01868) |
| Banten   | Other unintentional injuries                  | 50  | 16.3 (8.9, 26.8)     | 0.0000681 (0.0000374, 0.0001122) | 0.006 (0.00354, 0.00926)   | 4.9 (2.7, 8.2)       | 0.0000237 (0.0000131, 0.0000395) | 0.00288 (0.00162, 0.00469) |
| Banten   | Diarrheal diseases                            | 55  | 40.7 (26.6, 59.7)    | 0.0002586 (0.0001692, 0.0003794) | 0.01563 (0.01054, 0.02171) | 40.1 (27.4, 56.1)    | 0.0003067 (0.0002094, 0.0004293) | 0.02489 (0.01799, 0.03290) |
| Banten   | HIV/AIDS                                      | 55  | 2.6 (1.0, 5.4)       | 0.0000166 (0.0000063, 0.0000346) | 0.001 (0.00039, 0.00214)   | 1.9 (0.7, 4.0)       | 0.0000144 (0.0000056, 0.0000307) | 0.00117 (0.00045, 0.00249) |
| Banten   | Lower respiratory infections                  | 55  | 28.7 (18.7, 43.5)    | 0.0001821 (0.0001186, 0.0002767) | 0.01102 (0.00762, 0.01575) | 20.9 (14.0, 30.8)    | 0.0001602 (0.0001072, 0.0002360) | 0.01301 (0.00919, 0.01844) |
| Banten   | Malaria                                       | 55  | 2.8 (0.6, 8.4)       | 0.000018 (0.0000037, 0.0000534)  | 0.00109 (0.00022, 0.00339) | 1.3 (0.2, 4.2)       | 0.0000101 (0.0000019, 0.0000321) | 0.00082 (0.00015, 0.00256) |
| Banten   | Tuberculosis                                  | 55  | 275.0 (214.3, 353.0) | 0.001747 (0.0013612, 0.0022426)  | 0.10562 (0.09129, 0.12007) | 125.8 (98.3, 158.5)  | 0.0009626 (0.0007522, 0.0012124) | 0.07819 (0.06593, 0.09057) |
| Banten   | Other communicable diseases                   | 55  | 73.9 (53.0, 100.9)   | 0.0004692 (0.0003364, 0.0006412) | 0.02838 (0.02155, 0.03614) | 56.5 (40.6, 74.7)    | 0.0004325 (0.0003105, 0.0005716) | 0.03514 (0.02691, 0.04476) |
| Banten   | Tracheal, bronchus, and lung cancer           | 55  | 49.3 (28.2, 78.3)    | 0.0003131 (0.0001795, 0.0004972) | 0.01891 (0.01154, 0.02833) | 10.4 (5.7, 18.3)     | 0.0000794 (0.0000436, 0.0001397) | 0.00644 (0.00367, 0.01066) |
| Banten   | Breast cancer                                 | 55  | 2.0 (0.9, 4.0)       | 0.0000127 (0.0000058, 0.0000253) | 0.00077 (0.00037, 0.00147) | 64.7 (43.3, 93.6)    | 0.0004952 (0.0003309, 0.0007163) | 0.04019 (0.02941, 0.05553) |
| Banten   | Cervical cancer                               | 55  |                      |                                  |                            | 24.8 (12.3, 42.2)    | 0.0001896 (0.0000938, 0.0003227) | 0.01539 (0.00798, 0.02517) |
| Banten   | Other malignant neoplasms                     | 55  | 95.2 (69.1, 131.3)   | 0.0006049 (0.0004387, 0.0008343) | 0.03655 (0.02878, 0.04528) | 48.8 (33.4, 69.6)    | 0.0003737 (0.0002553, 0.0005328) | 0.03034 (0.02166, 0.04178) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Cerebrovascular disease                       | 55  | 495.9 (397.7, 631.9) | 0.0031504 (0.0025266, 0.0040141) | 0.19039 (0.17187, 0.21001)  | 354.1 (285.2, 430.2) | 0.0027088 (0.0021823, 0.0032910) | 0.21994 (0.19905, 0.24185) |
| Banten   | Ischemic heart disease                        | 55  | 580.7 (467.1, 732.4) | 0.0036891 (0.0029671, 0.0046529) | 0.22294 (0.20264, 0.24447)  | 247.2 (198.4, 302.1) | 0.0018913 (0.0015177, 0.0023109) | 0.15359 (0.13652, 0.17252) |
| Banten   | Other cardiovascular and circulatory diseases | 55  | 122.6 (88.9, 165.5)  | 0.0007785 (0.0005650, 0.0010513) | 0.04702 (0.03669, 0.05859)  | 97.5 (74.5, 125.8)   | 0.0007461 (0.0005700, 0.0009626) | 0.06064 (0.04855, 0.07521) |
| Banten   | Diabetes mellitus                             | 55  | 259.6 (196.0, 336.8) | 0.0016492 (0.0012448, 0.0021395) | 0.09966 (0.08391, 0.11537)  | 221.7 (174.5, 273.3) | 0.0016964 (0.0013350, 0.0020909) | 0.13776 (0.11764, 0.15866) |
| Banten   | Chronic kidney disease                        | 55  | 75.5 (53.5, 102.0)   | 0.0004794 (0.0003399, 0.0006479) | 0.02897 (0.02206, 0.03641)  | 44.2 (31.5, 59.3)    | 0.0003383 (0.0002411, 0.0004537) | 0.02746 (0.02088, 0.03548) |
| Banten   | Cirrhosis                                     | 55  | 160.4 (118.2, 216.9) | 0.0010189 (0.0007509, 0.0013779) | 0.06157 (0.04899, 0.07615)  | 69.8 (51.6, 93.5)    | 0.0005341 (0.0003950, 0.0007155) | 0.04334 (0.03450, 0.05394) |
| Banten   | Chronic respiratory diseases                  | 55  | 99.6 (72.3, 135.1)   | 0.0006329 (0.0004590, 0.0008585) | 0.03826 (0.02981, 0.04766)  | 50.1 (37.0, 67.5)    | 0.0003831 (0.0002828, 0.0005162) | 0.03111 (0.02418, 0.03895) |
| Banten   | Other non-communicable diseases               | 55  | 134.7 (102.5, 178.3) | 0.0008555 (0.0006510, 0.0011329) | 0.05169 (0.04214, 0.06141)  | 94.8 (72.4, 123.6)   | 0.000725 (0.0005538, 0.0009455)  | 0.05885 (0.04820, 0.07034) |
| Banten   | Drowning                                      | 55  | 3.1 (1.2, 6.9)       | 0.0000195 (0.0000076, 0.0000437) | 0.00118 (0.00047, 0.00257)  | 1.3 (0.5, 2.8)       | 0.0000097 (0.0000036, 0.0000216) | 0.00079 (0.00029, 0.00175) |
| Banten   | Falls                                         | 55  | 32.9 (20.5, 50.1)    | 0.000209 (0.0001303, 0.0003183)  | 0.01263 (0.00847, 0.01841)  | 14.6 (9.3, 21.7)     | 0.0001113 (0.0000709, 0.0001657) | 0.00904 (0.00606, 0.01280) |
| Banten   | Interpersonal violence                        | 55  | 1.3 (0.6, 2.3)       | 0.000008 (0.0000035, 0.0000148)  | 0.00048 (0.00022, 0.00083)  | 0.5 (0.2, 0.9)       | 0.0000035 (0.0000016, 0.0000066) | 0.00029 (0.00013, 0.00053) |
| Banten   | Self-harm                                     | 55  | 6.5 (3.1, 12.0)      | 0.0000412 (0.0000196, 0.0000760) | 0.00249 (0.00122, 0.00443)  | 1.8 (0.8, 3.6)       | 0.0000138 (0.0000064, 0.0000272) | 0.00112 (0.00053, 0.00214) |
| Banten   | Transport injuries                            | 55  | 50.0 (33.2, 71.4)    | 0.0003177 (0.0002112, 0.0004535) | 0.0192 (0.01345, 0.02573)   | 13.5 (8.7, 19.8)     | 0.0001035 (0.0000663, 0.0001511) | 0.00841 (0.00552, 0.01168) |
| Banten   | Other unintentional injuries                  | 55  | 11.8 (6.3, 19.9)     | 0.0000753 (0.0000398, 0.0001263) | 0.00455 (0.00253, 0.00719)  | 3.4 (1.8, 5.6)       | 0.0000258 (0.0000139, 0.0000428) | 0.0021 (0.00114, 0.00344)  |
| Banten   | Diarrheal diseases                            | 60  | 48.3 (32.1, 69.0)    | 0.0004771 (0.0003168, 0.0006823) | 0.01775 (0.01235, 0.02406)  | 53.6 (37.7, 73.5)    | 0.0005328 (0.0003745, 0.0007302) | 0.02836 (0.02058, 0.03705) |
| Banten   | HIV/AIDS                                      | 60  | 1.9 (0.6, 4.0)       | 0.0000184 (0.0000060, 0.0000392) | 0.00068 (0.00024, 0.00148)  | 1.5 (0.5, 3.1)       | 0.0000152 (0.0000052, 0.0000313) | 0.00081 (0.00028, 0.00169) |
| Banten   | Lower respiratory infections                  | 60  | 42.0 (28.2, 61.4)    | 0.0004147 (0.0002789, 0.0006066) | 0.01543 (0.01082, 0.02145)  | 36.9 (25.9, 52.6)    | 0.0003672 (0.0002577, 0.0005227) | 0.01955 (0.01389, 0.02664) |
| Banten   | Malaria                                       | 60  | 2.9 (0.6, 8.3)       | 0.0000282 (0.0000057, 0.0000823) | 0.00105 (0.00022, 0.00311)  | 1.4 (0.3, 4.5)       | 0.000014 (0.0000026, 0.0000446)  | 0.00075 (0.00014, 0.00223) |
| Banten   | Tuberculosis                                  | 60  | 313.8 (250.5, 398.9) | 0.0031012 (0.0024757, 0.0039428) | 0.11529 (0.10066, 0.13101)  | 163.0 (130.1, 198.4) | 0.0016202 (0.0012932, 0.0019722) | 0.08625 (0.07309, 0.10101) |
| Banten   | Other communicable diseases                   | 60  | 64.8 (45.6, 89.9)    | 0.0006407 (0.0004512, 0.0008886) | 0.02382 (0.01765, 0.03070)  | 57.1 (41.1, 75.0)    | 0.0005674 (0.0004087, 0.0007450) | 0.03021 (0.02249, 0.03959) |
| Banten   | Tracheal, bronchus, and lung cancer           | 60  | 54.0 (31.3, 85.3)    | 0.0005336 (0.0003093, 0.0008435) | 0.01981 (0.01204, 0.02960)  | 10.7 (5.9, 17.9)     | 0.0001061 (0.0000591, 0.0001783) | 0.00564 (0.00322, 0.00922) |
| Banten   | Breast cancer                                 | 60  | 1.7 (0.8, 3.4)       | 0.0000173 (0.0000075, 0.0000336) | 0.00064 (0.00028, 0.00125)  | 46.8 (31.5, 68.2)    | 0.0004648 (0.0003133, 0.0006779) | 0.02473 (0.01694, 0.03493) |
| Banten   | Cervical cancer                               | 60  |                      |                                  |                             | 26.6 (13.2, 43.8)    | 0.0002647 (0.0001309, 0.0004351) | 0.01408 (0.00727, 0.02275) |
| Banten   | Other malignant neoplasms                     | 60  | 86.1 (64.2, 115.8)   | 0.0008511 (0.0006343, 0.0011444) | 0.03164 (0.02509, 0.03957)  | 51.1 (34.7, 71.7)    | 0.0005074 (0.0003452, 0.0007130) | 0.027 (0.01941, 0.03674)   |
| Banten   | Cerebrovascular disease                       | 60  | 561.9 (454.5, 706.5) | 0.005554 (0.0044920, 0.0069831)  | 0.20646 (0.18623, 0.22786)  | 459.1 (382.0, 546.9) | 0.0045631 (0.0037969, 0.0054351) | 0.24283 (0.22057, 0.26610) |
| Banten   | Ischemic heart disease                        | 60  | 574.1 (466.5, 716.1) | 0.0056744 (0.0046111, 0.0070773) | 0.21095 (0.19091, 0.23122)  | 290.2 (236.7, 350.7) | 0.0028842 (0.0023523, 0.0034859) | 0.15349 (0.13561, 0.17238) |
| Banten   | Other cardiovascular and circulatory diseases | 60  | 136.6 (99.3, 184.1)  | 0.0013504 (0.0009816, 0.0018198) | 0.05016 (0.03961, 0.06206)  | 117.9 (92.3, 150.6)  | 0.0011717 (0.0009174, 0.0014963) | 0.0624 (0.04981, 0.07700)  |
| Banten   | Diabetes mellitus                             | 60  | 230.9 (179.0, 301.6) | 0.0022816 (0.0017689, 0.0029809) | 0.0848 (0.07133, 0.10000)   | 223.2 (177.9, 274.6) | 0.0022188 (0.0017681, 0.0027287) | 0.11808 (0.10034, 0.13646) |
| Banten   | Chronic kidney disease                        | 60  | 67.5 (47.9, 90.7)    | 0.0006674 (0.0004735, 0.0008963) | 0.02481 (0.01895, 0.03123)  | 43.8 (31.4, 59.0)    | 0.0004354 (0.0003125, 0.0005865) | 0.02317 (0.01765, 0.03015) |
| Banten   | Cirrhosis                                     | 60  | 143.5 (105.0, 189.4) | 0.0014183 (0.0010374, 0.0018724) | 0.05273 (0.04189, 0.06615)  | 72.6 (54.2, 96.6)    | 0.0007213 (0.0005385, 0.0009603) | 0.03836 (0.03015, 0.04820) |
| Banten   | Chronic respiratory diseases                  | 60  | 145.8 (109.6, 188.9) | 0.0014411 (0.0010832, 0.0018674) | 0.05359 (0.04332, 0.06522)  | 77.5 (59.2, 100.2)   | 0.0007703 (0.0005880, 0.0009956) | 0.04099 (0.03276, 0.05054) |
| Banten   | Other non-communicable diseases               | 60  | 155.0 (119.8, 202.8) | 0.0015315 (0.0011842, 0.0020044) | 0.05692 (0.04728, 0.06693)  | 121.9 (94.7, 154.7)  | 0.0012115 (0.0009679, 0.0015378) | 0.06446 (0.05363, 0.07607) |
| Banten   | Drowning                                      | 60  | 2.6 (1.0, 5.7)       | 0.0000259 (0.0000096, 0.0000562) | 0.00096 (0.000048, 0.00204) | 1.4 (0.5, 3.1)       | 0.0000136 (0.0000045, 0.0000312) | 0.00072 (0.00024, 0.00165) |
| Banten   | Falls                                         | 60  | 30.0 (18.6, 45.0)    | 0.0002966 (0.0001838, 0.0004447) | 0.01103 (0.00715, 0.01617)  | 15.9 (10.3, 23.5)    | 0.000158 (0.0001020, 0.0002332)  | 0.0084 (0.00560, 0.01194)  |
| Banten   | Interpersonal violence                        | 60  | 0.8 (0.4, 1.5)       | 0.000008 (0.0000035, 0.0000144)  | 0.0003 (0.00013, 0.00054)   | 0.3 (0.1, 0.6)       | 0.0000032 (0.0000013, 0.0000064) | 0.00017 (0.00007, 0.00033) |
| Banten   | Self-harm                                     | 60  | 4.6 (2.1, 8.5)       | 0.0000455 (0.0000212, 0.0000836) | 0.00169 (0.00082, 0.00323)  | 1.3 (0.6, 2.7)       | 0.0000134 (0.0000059, 0.0000271) | 0.00071 (0.00032, 0.00146) |
| Banten   | Transport injuries                            | 60  | 43.5 (28.8, 62.4)    | 0.0004297 (0.0002848, 0.0006171) | 0.01598 (0.01110, 0.02184)  | 13.7 (8.7, 20.5)     | 0.0001358 (0.0000864, 0.0002042) | 0.00723 (0.00459, 0.01051) |
| Banten   | Other unintentional injuries                  | 60  | 9.5 (4.9, 16.1)      | 0.0000943 (0.0000485, 0.0001589) | 0.00351 (0.00188, 0.00571)  | 3.1 (1.6, 5.4)       | 0.0000304 (0.0000160, 0.0000541) | 0.00162 (0.00086, 0.00289) |
| Banten   | Diarrheal diseases                            | 65  | 74.8 (51.5, 101.8)   | 0.0011216 (0.0007731, 0.0015267) | 0.02913 (0.02198, 0.03735)  | 86.7 (64.8, 111.5)   | 0.0012511 (0.0009349, 0.0016101) | 0.04442 (0.03405, 0.05531) |
| Banten   | HIV/AIDS                                      | 65  | 1.7 (0.6, 3.5)       | 0.0000252 (0.0000095, 0.0000532) | 0.00065 (0.00026, 0.00141)  | 1.5 (0.5, 3.0)       | 0.000021 (0.0000075, 0.0000431)  | 0.00075 (0.00027, 0.00155) |
| Banten   | Lower respiratory infections                  | 65  | 48.1 (32.5, 71.1)    | 0.000722 (0.0004878, 0.0010661)  | 0.01875 (0.01332, 0.02575)  | 45.1 (32.0, 62.4)    | 0.0006504 (0.0004621, 0.0009015) | 0.0231 (0.01699, 0.03127)  |
| Banten   | Malaria                                       | 65  | 2.6 (0.5, 7.5)       | 0.0000385 (0.0000079, 0.0001119) | 0.001 (0.00020, 0.00290)    | 1.3 (0.2, 3.9)       | 0.0000188 (0.0000035, 0.0000569) | 0.00067 (0.00013, 0.00198) |
| Banten   | Tuberculosis                                  | 65  | 301.8 (240.1, 378.9) | 0.0045269 (0.0036022, 0.0056840) | 0.11754 (0.10172, 0.13184)  | 164.0 (132.5, 200.4) | 0.0023682 (0.0019127, 0.0028938) | 0.08408 (0.07053, 0.09879) |
| Banten   | Other communicable diseases                   | 65  | 60.2 (41.6, 82.4)    | 0.0009027 (0.0006234, 0.0012360) | 0.02344 (0.01711, 0.03056)  | 55.8 (38.8, 75.1)    | 0.000806 (0.0005605, 0.0010842)  | 0.02862 (0.02035, 0.03735) |
| Banten   | Tracheal, bronchus, and lung cancer           | 65  | 41.3 (22.7, 67.6)    | 0.0006196 (0.0003403, 0.0010136) | 0.01607 (0.00932, 0.02494)  | 8.5 (4.7, 14.9)      | 0.000123 (0.0000673, 0.0002148)  | 0.00436 (0.00249, 0.00738) |
| Banten   | Breast cancer                                 | 65  | 1.2 (0.4, 2.7)       | 0.0000184 (0.0000067, 0.0000408) | 0.00048 (0.00018, 0.00106)  | 32.1 (20.8, 48.1)    | 0.0004641 (0.0002998, 0.0006947) | 0.01647 (0.01066, 0.02407) |
| Banten   | Cervical cancer                               | 65  |                      |                                  |                             | 18.9 (9.5, 32.1)     | 0.0002732 (0.0001367, 0.0004628) | 0.00969 (0.00488, 0.01628) |
| Banten   | Other malignant neoplasms                     | 65  | 61.7 (45.4, 84.4)    | 0.000925 (0.0006814, 0.0012663)  | 0.02401 (0.01889, 0.03009)  | 48.7 (33.3, 67.0)    | 0.0007026 (0.0004804, 0.0009680) | 0.02494 (0.01794, 0.03378) |
| Banten   | Cerebrovascular disease                       | 65  | 563.7 (458.2, 696.8) | 0.0084571 (0.0068738, 0.0104535) | 0.21957 (0.19990, 0.24045)  | 506.1 (424.6, 595.8) | 0.0073063 (0.0061304, 0.0086023) | 0.25933 (0.23648, 0.28206) |
| Banten   | Ischemic heart disease                        | 65  | 529.8 (432.9, 653.4) | 0.0079473 (0.0064941, 0.0098025) | 0.20632 (0.18696, 0.22692)  | 292.1 (238.8, 350.8) | 0.0042167 (0.0034481, 0.0050641) | 0.14968 (0.13169, 0.16930) |
| Banten   | Other cardiovascular and circulatory diseases | 65  | 142.0 (105.8, 188.4) | 0.0021302 (0.0015870, 0.0028270) | 0.05527 (0.04406, 0.06727)  | 134.3 (105.9, 170.4) | 0.0019388 (0.0015293, 0.0024602) | 0.06887 (0.05601, 0.08377) |
| Banten   | Diabetes mellitus                             | 65  | 173.4 (132.5, 226.0) | 0.0026018 (0.0019878, 0.0033901) | 0.06753 (0.05668, 0.07930)  | 186.9 (147.7, 230.0) | 0.0026976 (0.0021321, 0.0033208) | 0.09575 (0.08041, 0.11081) |
| Banten   | Chronic kidney disease                        | 65  | 58.1 (41.2, 78.4)    | 0.0008721 (0.0006188, 0.0011762) | 0.02263 (0.01702, 0.02863)  | 41.5 (29.7, 55.8)    | 0.0005994 (0.0004292, 0.0008053) | 0.02127 (0.01591, 0.02752) |
| Banten   | Cirrhosis                                     | 65  | 108.4 (79.2, 143.9)  | 0.0016266 (0.0011880, 0.0021593) | 0.04223 (0.03368, 0.05320)  | 61.0 (46.0, 81.2)    | 0.0008803 (0.0006636, 0.0011723) | 0.03123 (0.02465, 0.03965) |
| Banten   | Chronic respiratory diseases                  | 65  | 155.7 (118.3, 203.8) | 0.0023352 (0.0017744, 0.0030569) | 0.06064 (0.04946, 0.07331)  | 90.2 (69.5, 115.9)   | 0.0013024 (0.0010032, 0.0016733) | 0.04623 (0.03693, 0.05694) |
| Banten   | Other non-communicable diseases               | 65  | 165.9 (127.9, 211.8) | 0.0024886 (0.0019188, 0.0031770) | 0.0646 (0.05401, 0.07566)   | 143.4 (114.9, 179.2) | 0.0020699 (0.0016591, 0.0025878) | 0.07345 (0.06163, 0.08595) |
| Banten   | Drowning                                      | 65  | 2.1 (0.7, 4.8)       | 0.0000318 (0.0000106, 0.0000727) | 0.00082 (0.00028, 0.00185)  | 1.2 (0.4, 2.9)       | 0.0000174 (0.0000055, 0.0000413) | 0.00062 (0.00020, 0.00144) |
| Banten   | Falls                                         | 65  | 29.9 (19.0, 44.9)    | 0.0004481 (0.0002845, 0.0006733) | 0.01163 (0.00784, 0.01673)  | 17.0 (11.3, 24.5)    | 0.0002456 (0.0001630, 0.0003539) | 0.00872 (0.00592, 0.01244) |
| Banten   | Interpersonal violence                        | 65  | 0.5 (0.2, 1.1)       | 0.0000081 (0.0000033, 0.0000162) | 0.00021 (0.00009, 0.00041)  | 0.2 (0.1, 0.5)       | 0.0000032 (0.0000012, 0.0000071) | 0.00011 (0.00004, 0.00025) |
| Banten   | Self-harm                                     | 65  | 3.5 (1.5, 6.5)       | 0.000052 (0.0000229, 0.0000981)  | 0.00135 (0.00064, 0.00251)  | 1.1 (0.5, 2.2)       | 0.0000152 (0.0000066, 0.0000317) | 0.00054 (0.00023, 0.00109) |
| Banten   | Transport injuries                            | 65  | 33.5 (21.2, 48.6)    | 0.0005021 (0.0003180, 0.0007298) | 0.01304 (0.00869, 0.01783)  | 11.2 (6.7, 16.9)     | 0.000162 (0.0000968, 0.0002439)  | 0.00575 (0.00356, 0.00847) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Other unintentional injuries                  | 65  | 7.8 (4.2, 13.2)      | 0.0001174 (0.0000634, 0.0001974) | 0.00305 (0.00170, 0.00485)  | 2.7 (1.4, 4.7)       | 0.0000383 (0.0000198, 0.0000673) | 0.00136 (0.00070, 0.00235) |
| Banten   | Diarrheal diseases                            | 70  | 102.0 (73.5, 135.1)  | 0.0024474 (0.0017624, 0.0032402) | 0.04047 (0.03151, 0.04976)  | 131.1 (102.0, 166.6) | 0.0024912 (0.0019378, 0.0031650) | 0.05563 (0.04454, 0.06682) |
| Banten   | HIV/AIDS                                      | 70  | 2.2 (0.9, 4.9)       | 0.0000532 (0.0000206, 0.0001185) | 0.00088 (0.00035, 0.00193)  | 2.2 (0.8, 5.0)       | 0.0000425 (0.0000160, 0.0000958) | 0.00095 (0.00036, 0.00215) |
| Banten   | Lower respiratory infections                  | 70  | 62.6 (42.4, 88.7)    | 0.0015011 (0.0010175, 0.0021270) | 0.02482 (0.01793, 0.03319)  | 65.5 (48.0, 88.5)    | 0.0012453 (0.0009118, 0.0016822) | 0.02782 (0.02080, 0.03701) |
| Banten   | Malaria                                       | 70  | 2.2 (0.4, 6.5)       | 0.0000526 (0.0000102, 0.0001564) | 0.00087 (0.00017, 0.00266)  | 1.4 (0.3, 4.3)       | 0.0000261 (0.0000050, 0.0000809) | 0.00058 (0.00011, 0.00177) |
| Banten   | Tuberculosis                                  | 70  | 302.8 (239.5, 381.3) | 0.007265 (0.0057458, 0.0091479)  | 0.12008 (0.10435, 0.13531)  | 207.4 (167.7, 249.5) | 0.0039413 (0.0031873, 0.0047414) | 0.08802 (0.07412, 0.10226) |
| Banten   | Other communicable diseases                   | 70  | 61.8 (42.9, 85.4)    | 0.0014817 (0.0010287, 0.0020492) | 0.0245 (0.01796, 0.03240)   | 61.7 (43.5, 85.4)    | 0.0011717 (0.0008261, 0.0016231) | 0.02617 (0.01883, 0.03502) |
| Banten   | Tracheal, bronchus, and lung cancer           | 70  | 34.7 (19.1, 56.2)    | 0.0008328 (0.0004576, 0.0013475) | 0.01376 (0.00765, 0.02206)  | 8.7 (4.8, 14.8)      | 0.0001647 (0.0000916, 0.0002812) | 0.00367 (0.00207, 0.00618) |
| Banten   | Breast cancer                                 | 70  | 0.8 (0.2, 2.0)       | 0.0000194 (0.0000060, 0.0000470) | 0.00032 (0.00010, 0.00078)  | 25.2 (15.9, 38.9)    | 0.0004787 (0.0003021, 0.0007385) | 0.01068 (0.00677, 0.01594) |
| Banten   | Cervical cancer                               | 70  |                      |                                  |                             | 12.8 (6.4, 22.4)     | 0.0002437 (0.0001221, 0.0004262) | 0.00544 (0.00271, 0.00956) |
| Banten   | Other malignant neoplasms                     | 70  | 44.2 (32.5, 60.0)    | 0.0010594 (0.0007801, 0.0014404) | 0.01752 (0.01371, 0.02247)  | 48.5 (34.8, 65.8)    | 0.0009215 (0.0006619, 0.0012511) | 0.02057 (0.01519, 0.02724) |
| Banten   | Cerebrovascular disease                       | 70  | 562.2 (453.3, 685.8) | 0.0134879 (0.0108758, 0.0164526) | 0.22294 (0.20165, 0.24361)  | 619.8 (533.1, 723.6) | 0.0117768 (0.0101303, 0.0137492) | 0.26294 (0.24012, 0.28498) |
| Banten   | Ischemic heart disease                        | 70  | 494.8 (401.6, 600.6) | 0.0118701 (0.0096341, 0.0144082) | 0.1962 (0.17787, 0.21642)   | 358.6 (301.6, 423.1) | 0.0068146 (0.0057301, 0.0080395) | 0.15218 (0.13477, 0.17032) |
| Banten   | Other cardiovascular and circulatory diseases | 70  | 149.6 (112.3, 197.7) | 0.0035879 (0.0026947, 0.0047430) | 0.05927 (0.04774, 0.07213)  | 176.1 (139.4, 219.0) | 0.0033459 (0.0026492, 0.0041605) | 0.07475 (0.06011, 0.09032) |
| Banten   | Diabetes mellitus                             | 70  | 123.7 (93.4, 159.5)  | 0.0029671 (0.0022414, 0.0038258) | 0.04903 (0.04018, 0.05807)  | 171.7 (138.4, 209.6) | 0.0032624 (0.0026304, 0.0039826) | 0.07285 (0.06075, 0.08571) |
| Banten   | Chronic kidney disease                        | 70  | 48.0 (34.1, 64.1)    | 0.001151 (0.0008185, 0.0015371)  | 0.01902 (0.01422, 0.02396)  | 44.9 (32.8, 59.0)    | 0.0008534 (0.0006223, 0.0011215) | 0.01905 (0.01413, 0.02460) |
| Banten   | Cirrhosis                                     | 70  | 88.8 (63.6, 117.3)   | 0.0021294 (0.0015256, 0.0028135) | 0.03519 (0.02781, 0.04449)  | 60.2 (45.9, 80.2)    | 0.0011448 (0.0008714, 0.0015231) | 0.02555 (0.02014, 0.03252) |
| Banten   | Chronic respiratory diseases                  | 70  | 190.3 (145.7, 242.1) | 0.0045659 (0.0034961, 0.0058080) | 0.07549 (0.06267, 0.08940)  | 135.1 (107.4, 169.2) | 0.0025675 (0.0020401, 0.0032153) | 0.05733 (0.04688, 0.06947) |
| Banten   | Other non-communicable diseases               | 70  | 177.7 (137.7, 226.6) | 0.0042626 (0.0033046, 0.0054369) | 0.07045 (0.05895, 0.08207)  | 189.8 (153.9, 233.2) | 0.0036061 (0.0029238, 0.0044321) | 0.0805 (0.06787, 0.09314)  |
| Banten   | Drowning                                      | 70  | 3.3 (1.3, 6.9)       | 0.0000798 (0.0000323, 0.0001652) | 0.00132 (0.00055, 0.00264)  | 1.9 (0.8, 3.8)       | 0.0000359 (0.0000144, 0.0000727) | 0.0008 (0.00032, 0.00163)  |
| Banten   | Falls                                         | 70  | 30.9 (19.9, 44.2)    | 0.0007423 (0.0004771, 0.0010600) | 0.01228 (0.00813, 0.01710)  | 19.0 (12.6, 26.3)    | 0.0003611 (0.0002386, 0.0004996) | 0.00806 (0.00536, 0.01120) |
| Banten   | Interpersonal violence                        | 70  | 0.3 (0.1, 0.7)       | 0.0000082 (0.0000030, 0.0000173) | 0.00014 (0.00005, 0.000029) | 0.2 (0.1, 0.4)       | 0.0000035 (0.0000012, 0.0000078) | 0.00008 (0.00003, 0.00018) |
| Banten   | Self-harm                                     | 70  | 2.6 (1.1, 4.9)       | 0.0000622 (0.0000270, 0.0001183) | 0.00103 (0.00046, 0.00189)  | 1.1 (0.4, 2.1)       | 0.00002 (0.0000085, 0.0000400)   | 0.00045 (0.00019, 0.00089) |
| Banten   | Transport injuries                            | 70  | 29.3 (18.6, 42.9)    | 0.0007039 (0.0004468, 0.0010304) | 0.01164 (0.00756, 0.01623)  | 11.1 (6.7, 16.7)     | 0.0002113 (0.0001273, 0.0003176) | 0.00472 (0.00283, 0.00693) |
| Banten   | Other unintentional injuries                  | 70  | 6.9 (3.7, 11.5)      | 0.0001664 (0.0000882, 0.0002753) | 0.00275 (0.00147, 0.00462)  | 2.8 (1.5, 5.0)       | 0.0000534 (0.0000278, 0.0000956) | 0.00119 (0.00062, 0.00215) |
| Banten   | Diarrheal diseases                            | 75  | 79.7 (57.8, 105.9)   | 0.0040791 (0.0029587, 0.0054163) | 0.04759 (0.03728, 0.05805)  | 119.8 (94.5, 150.3)  | 0.0045864 (0.0036178, 0.0057533) | 0.06514 (0.05292, 0.07783) |
| Banten   | HIV/AIDS                                      | 75  | 1.2 (0.4, 2.6)       | 0.0000607 (0.0000214, 0.0001334) | 0.00071 (0.00026, 0.00152)  | 1.4 (0.5, 2.9)       | 0.0000253 (0.0000201, 0.0001118) | 0.00074 (0.00029, 0.00162) |
| Banten   | Lower respiratory infections                  | 75  | 43.9 (30.1, 62.4)    | 0.0022457 (0.0015377, 0.0031922) | 0.0262 (0.01908, 0.03479)   | 53.8 (40.1, 71.7)    | 0.0020595 (0.0015336, 0.0027468) | 0.02926 (0.02188, 0.03855) |
| Banten   | Malaria                                       | 75  | 1.5 (0.3, 4.5)       | 0.0000787 (0.0000152, 0.0002324) | 0.00092 (0.00017, 0.00277)  | 1.1 (0.2, 3.2)       | 0.0000413 (0.0000071, 0.0001238) | 0.00059 (0.00010, 0.00170) |
| Banten   | Tuberculosis                                  | 75  | 182.7 (140.6, 234.0) | 0.0093458 (0.0071938, 0.0119699) | 0.10898 (0.09310, 0.12434)  | 139.1 (110.4, 169.6) | 0.0053254 (0.0042250, 0.0064924) | 0.07564 (0.06229, 0.08945) |
| Banten   | Other communicable diseases                   | 75  | 38.3 (25.7, 53.7)    | 0.001196 (0.0001313, 0.0027490)  | 0.02287 (0.01636, 0.03076)  | 45.4 (32.6, 61.8)    | 0.0017389 (0.0012444, 0.0023672) | 0.02471 (0.01805, 0.03289) |
| Banten   | Tracheal, bronchus, and lung cancer           | 75  | 17.8 (9.1, 30.2)     | 0.0009116 (0.0004670, 0.0015461) | 0.01063 (0.00566, 0.01774)  | 5.1 (2.8, 8.9)       | 0.0001959 (0.0001068, 0.0003391) | 0.00278 (0.00151, 0.00469) |
| Banten   | Breast cancer                                 | 75  | 0.4 (0.1, 1.0)       | 0.0000186 (0.0000050, 0.0000490) | 0.00022 (0.00006, 0.00055)  | 12.9 (7.6, 20.4)     | 0.0004944 (0.0002921, 0.0007796) | 0.00702 (0.00416, 0.01093) |
| Banten   | Cervical cancer                               | 75  |                      |                                  |                             | 6.2 (3.0, 12.0)      | 0.0002377 (0.0001130, 0.0004594) | 0.00338 (0.00159, 0.00643) |
| Banten   | Other malignant neoplasms                     | 75  | 22.5 (16.1, 30.6)    | 0.0011524 (0.0008241, 0.0015679) | 0.01345 (0.01045, 0.01710)  | 32.7 (23.9, 43.9)    | 0.0012512 (0.0009132, 0.0016791) | 0.01777 (0.01323, 0.02349) |
| Banten   | Cerebrovascular disease                       | 75  | 370.0 (296.3, 457.0) | 0.0189274 (0.0151599, 0.0233795) | 0.22071 (0.20031, 0.24299)  | 486.2 (421.3, 563.3) | 0.0186133 (0.0161308, 0.0215644) | 0.26434 (0.24089, 0.28792) |
| Banten   | Ischemic heart disease                        | 75  | 356.4 (280.8, 437.7) | 0.018234 (0.0143672, 0.0223915)  | 0.21264 (0.19231, 0.23383)  | 303.7 (257.5, 356.0) | 0.0116267 (0.0098595, 0.0136303) | 0.16514 (0.14753, 0.18445) |
| Banten   | Other cardiovascular and circulatory diseases | 75  | 102.6 (75.0, 136.1)  | 0.0052497 (0.0038365, 0.0069648) | 0.06118 (0.04914, 0.07498)  | 142.2 (111.9, 176.9) | 0.0054424 (0.0042853, 0.0067734) | 0.07733 (0.06185, 0.09391) |
| Banten   | Diabetes mellitus                             | 75  | 69.5 (51.4, 89.9)    | 0.0035572 (0.0026292, 0.0046013) | 0.0415 (0.03403, 0.04992)   | 113.4 (91.4, 139.2)  | 0.004341 (0.0035008, 0.0053293)  | 0.06166 (0.05096, 0.07336) |
| Banten   | Chronic kidney disease                        | 75  | 29.1 (20.3, 39.0)    | 0.0014875 (0.0010384, 0.0019944) | 0.01734 (0.01318, 0.02230)  | 31.5 (23.3, 41.4)    | 0.0012059 (0.0008926, 0.0015849) | 0.01712 (0.01303, 0.02214) |
| Banten   | Cirrhosis                                     | 75  | 50.9 (35.8, 68.6)    | 0.0026059 (0.0018315, 0.0035118) | 0.03037 (0.02366, 0.03869)  | 41.3 (31.1, 54.9)    | 0.001581 (0.0011924, 0.0021036)  | 0.02245 (0.01749, 0.02888) |
| Banten   | Chronic respiratory diseases                  | 75  | 129.6 (98.1, 167.4)  | 0.0066299 (0.0050175, 0.0085629) | 0.07733 (0.06383, 0.09258)  | 105.9 (83.0, 131.1)  | 0.0040533 (0.0031778, 0.0050185) | 0.05757 (0.04642, 0.06998) |
| Banten   | Other non-communicable diseases               | 75  | 135.1 (104.1, 171.1) | 0.0069123 (0.0053244, 0.0087552) | 0.08062 (0.06764, 0.09343)  | 170.8 (140.6, 209.7) | 0.0065391 (0.0053833, 0.0080287) | 0.09285 (0.07906, 0.10766) |
| Banten   | Drowning                                      | 75  | 2.7 (1.1, 5.7)       | 0.0001404 (0.0000563, 0.0002935) | 0.00163 (0.00070, 0.00331)  | 1.9 (0.8, 3.8)       | 0.0000711 (0.0000294, 0.0001442) | 0.00101 (0.00042, 0.00206) |
| Banten   | Falls                                         | 75  | 22.6 (14.5, 32.9)    | 0.0011538 (0.0007434, 0.0016847) | 0.01346 (0.00923, 0.01913)  | 16.2 (11.3, 22.9)    | 0.0006201 (0.0004327, 0.0008776) | 0.00881 (0.00631, 0.01232) |
| Banten   | Interpersonal violence                        | 75  | 0.2 (0.1, 0.4)       | 0.0000089 (0.0000026, 0.0000229) | 0.0001 (0.00003, 0.000026)  | 0.1 (0.0, 0.3)       | 0.0000038 (0.0000012, 0.0000097) | 0.00005 (0.00002, 0.00014) |
| Banten   | Self-harm                                     | 75  | 1.6 (0.7, 3.2)       | 0.0000824 (0.0000336, 0.0001629) | 0.00096 (0.00042, 0.00187)  | 0.7 (0.3, 1.4)       | 0.0000267 (0.0000108, 0.0000542) | 0.00038 (0.00016, 0.00077) |
| Banten   | Transport injuries                            | 75  | 13.6 (7.8, 21.8)     | 0.0006939 (0.0003978, 0.0011175) | 0.00809 (0.00488, 0.01234)  | 5.9 (3.3, 9.4)       | 0.0002248 (0.0001250, 0.0003613) | 0.00319 (0.00177, 0.00513) |
| Banten   | Other unintentional injuries                  | 75  | 4.2 (2.1, 7.3)       | 0.0002154 (0.0001098, 0.0003714) | 0.00251 (0.00135, 0.00420)  | 1.9 (1.0, 3.4)       | 0.0000731 (0.0000371, 0.0001317) | 0.00104 (0.00053, 0.00188) |
| Banten   | Diarrheal diseases                            | 80  | 186.1 (147.9, 227.2) | 0.0129774 (0.0103097, 0.0158407) | 0.08218 (0.06713, 0.09768)  | 339.3 (282.3, 405.4) | 0.0155049 (0.0128997, 0.0185269) | 0.10269 (0.08658, 0.11924) |
| Banten   | HIV/AIDS                                      | 80  | 1.8 (0.5, 4.6)       | 0.0001242 (0.0000327, 0.0003184) | 0.00079 (0.00021, 0.00199)  | 2.6 (0.7, 6.7)       | 0.0001166 (0.0000316, 0.0003071) | 0.00077 (0.00021, 0.00202) |
| Banten   | Lower respiratory infections                  | 80  | 73.9 (52.3, 103.3)   | 0.0051507 (0.0036468, 0.0072041) | 0.03261 (0.02393, 0.04447)  | 116.6 (86.3, 156.9)  | 0.0053299 (0.0039454, 0.0071692) | 0.03531 (0.02631, 0.04678) |
| Banten   | Malaria                                       | 80  | 2.3 (0.4, 6.8)       | 0.0001601 (0.0000269, 0.0004768) | 0.00102 (0.00017, 0.00311)  | 2.0 (0.3, 6.3)       | 0.0000895 (0.0000155, 0.0002864) | 0.00059 (0.00010, 0.00184) |
| Banten   | Tuberculosis                                  | 80  | 239.3 (193.6, 290.6) | 0.0166832 (0.0134981, 0.0202596) | 0.1056 (0.08851, 0.12321)   | 237.1 (191.0, 289.4) | 0.010837 (0.0087282, 0.0132248)  | 0.07177 (0.05829, 0.08637) |
| Banten   | Other communicable diseases                   | 80  | 61.2 (44.3, 83.6)    | 0.0042643 (0.0030866, 0.0058294) | 0.02701 (0.01965, 0.03610)  | 88.7 (63.7, 121.1)   | 0.0040556 (0.0029112, 0.0055336) | 0.02687 (0.01947, 0.03627) |
| Banten   | Tracheal, bronchus, and lung cancer           | 80  | 18.9 (9.7, 33.1)     | 0.0013183 (0.0006788, 0.0023079) | 0.00834 (0.00452, 0.01454)  | 7.4 (3.8, 13.4)      | 0.0003391 (0.0001737, 0.0006126) | 0.00224 (0.00118, 0.00402) |
| Banten   | Breast cancer                                 | 80  | 0.4 (0.1, 1.0)       | 0.0000249 (0.0000062, 0.0000723) | 0.00016 (0.00004, 0.00046)  | 14.0 (7.6, 25.1)     | 0.0006406 (0.0003455, 0.0011453) | 0.00424 (0.00226, 0.00744) |
| Banten   | Cervical cancer                               | 80  |                      |                                  |                             | 6.3 (2.5, 12.7)      | 0.0002864 (0.0001123, 0.0005790) | 0.0019 (0.00075, 0.00376)  |
| Banten   | Other malignant neoplasms                     | 80  | 24.8 (18.5, 33.5)    | 0.0017305 (0.0012882, 0.0023346) | 0.01095 (0.00837, 0.01429)  | 43.8 (31.8, 59.1)    | 0.0019996 (0.0014524, 0.0026995) | 0.01324 (0.00977, 0.01751) |
| Banten   | Cerebrovascular disease                       | 80  | 495.2 (421.7, 579.2) | 0.0345272 (0.0294000, 0.0403871) | 0.21858 (0.19658, 0.24273)  | 868.8 (767.7, 980.5) | 0.0397032 (0.0350822, 0.0448062) | 0.2629 (0.23978, 0.28709)  |
| Banten   | Ischemic heart disease                        | 80  | 430.0 (360.3, 497.8) | 0.0299787 (0.0251245, 0.0347077) | 0.18976 (0.16952, 0.21099)  | 526.3 (456.8, 604.7) | 0.0240536 (0.0208774, 0.0276336) | 0.1593 (0.14065, 0.17949)  |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                  |                             | Females                    |                                  |                            |
|----------|----------------------------------------------------------|-----|----------------------------|----------------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Banten   | Other cardiovascular and circulatory diseases            | 80  | 129.5 (98.6, 165.7)        | 0.0090302 (0.0068761, 0.0115564) | 0.05713 (0.04570, 0.07033)  | 229.0 (183.1, 287.0)       | 0.0104646 (0.0083682, 0.0131172) | 0.06932 (0.05598, 0.08461) |
| Banten   | Diabetes mellitus                                        | 80  | 73.0 (56.7, 91.8)          | 0.0050891 (0.0039550, 0.0064042) | 0.03221 (0.02584, 0.03922)  | 158.8 (127.6, 193.8)       | 0.0072553 (0.0058333, 0.0088551) | 0.04804 (0.03921, 0.05799) |
| Banten   | Chronic kidney disease                                   | 80  | 31.4 (22.6, 41.2)          | 0.0021882 (0.0015731, 0.0028708) | 0.01385 (0.01031, 0.01795)  | 45.1 (33.2, 59.1)          | 0.0020627 (0.0015167, 0.0027007) | 0.01366 (0.01014, 0.01768) |
| Banten   | Cirrhosis                                                | 80  | 57.1 (41.5, 75.4)          | 0.0039793 (0.0028963, 0.0052586) | 0.02519 (0.01902, 0.03258)  | 61.5 (46.0, 81.8)          | 0.0028119 (0.0021011, 0.0037398) | 0.01862 (0.01404, 0.02424) |
| Banten   | Chronic respiratory diseases                             | 80  | 180.0 (143.4, 219.7)       | 0.0125527 (0.0099966, 0.0153216) | 0.07946 (0.06571, 0.09350)  | 178.0 (139.0, 218.8)       | 0.0081368 (0.0063539, 0.0099974) | 0.05388 (0.04375, 0.06523) |
| Banten   | Other non-communicable diseases                          | 80  | 200.5 (163.8, 243.4)       | 0.0139816 (0.0114211, 0.0169717) | 0.0885 (0.07432, 0.10295)   | 330.9 (279.4, 392.0)       | 0.0151212 (0.0127698, 0.0179125) | 0.10012 (0.08577, 0.11618) |
| Banten   | Drowning                                                 | 80  | 3.4 (1.2, 7.9)             | 0.0002359 (0.0000837, 0.0005509) | 0.00149 (0.00055, 0.00355)  | 3.0 (1.1, 6.9)             | 0.0001354 (0.0000482, 0.0003150) | 0.0009 (0.00032, 0.00208)  |
| Banten   | Falls                                                    | 80  | 36.1 (24.8, 50.1)          | 0.0025189 (0.0017299, 0.0034917) | 0.01594 (0.01123, 0.02147)  | 33.4 (23.9, 44.9)          | 0.0015263 (0.0010928, 0.0020510) | 0.01011 (0.00726, 0.01350) |
| Banten   | Interpersonal violence                                   | 80  | 0.2 (0.0, 0.5)             | 0.0000112 (0.0000021, 0.0000315) | 0.00007 (0.00001, 0.00021)  | 0.1 (0.0, 0.4)             | 0.0000054 (0.0000011, 0.0000161) | 0.00004 (0.00001, 0.00011) |
| Banten   | Self-harm                                                | 80  | 1.8 (0.7, 3.7)             | 0.0001239 (0.0000468, 0.0002574) | 0.00078 (0.00031, 0.00165)  | 1.0 (0.4, 2.2)             | 0.0000449 (0.0000164, 0.0001007) | 0.0003 (0.00011, 0.00066)  |
| Banten   | Transport injuries                                       | 80  | 14.2 (8.0, 22.6)           | 0.000988 (0.0005562, 0.0015778)  | 0.00625 (0.00348, 0.00978)  | 7.9 (4.2, 12.9)            | 0.0003606 (0.0001909, 0.0005880) | 0.00239 (0.00130, 0.00383) |
| Banten   | Other unintentional injuries                             | 80  | 4.8 (2.3, 8.5)             | 0.0003323 (0.0001581, 0.0005959) | 0.0021 (0.00101, 0.00371)   | 2.8 (1.3, 5.2)             | 0.0001265 (0.0000596, 0.0002380) | 0.00084 (0.00040, 0.00157) |
| Banten   | Diarrheal diseases                                       | All | 1,242.7 (924.2, 1,633.8)   | 0.0002136 (0.0001588, 0.0002808) | 0.03656 (0.02833, 0.04607)  | 1,445.9 (1,148.5, 1,836.2) | 0.0002612 (0.0002075, 0.0003317) | 0.05732 (0.04613, 0.06906) |
| Banten   | HIV/AIDS                                                 | All | 361.2 (206.7, 572.9)       | 0.0000621 (0.0000355, 0.0000985) | 0.01062 (0.00626, 0.01659)  | 191.9 (109.9, 303.2)       | 0.0000347 (0.0000198, 0.0000548) | 0.0076 (0.00440, 0.01192)  |
| Banten   | Lower respiratory infections                             | All | 1,146.7 (812.5, 1,543.3)   | 0.0001971 (0.0001396, 0.0002652) | 0.0337 (0.02499, 0.04399)   | 884.9 (651.6, 1,143.1)     | 0.0001599 (0.0001177, 0.0002065) | 0.03505 (0.02672, 0.04419) |
| Banten   | Malaria                                                  | All | 53.1 (11.1, 152.4)         | 0.0000091 (0.0000019, 0.0000262) | 0.00156 (0.000033, 0.00454) | 26.8 (4.9, 83.1)           | 0.0000048 (0.0000009, 0.0000150) | 0.00106 (0.00020, 0.00328) |
| Banten   | Tuberculosis                                             | All | 3,846.9 (3,050.1, 4,760.4) | 0.0006611 (0.0005242, 0.0008181) | 0.11302 (0.09791, 0.12822)  | 1,933.0 (1,557.6, 2,363.5) | 0.0003492 (0.0002814, 0.0004270) | 0.07661 (0.06499, 0.08925) |
| Banten   | Maternal disorders                                       | All |                            |                                  |                             | 283.5 (197.8, 389.5)       | 0.0000512 (0.0000357, 0.0000704) | 0.01122 (0.00803, 0.01509) |
| Banten   | Neonatal encephalopathy due to birth asphyxia and trauma | All | 800.5 (404.0, 1,265.5)     | 0.0001376 (0.0000694, 0.0002175) | 0.02346 (0.01207, 0.03755)  | 568.9 (288.7, 992.4)       | 0.0001028 (0.0000522, 0.0001793) | 0.0224 (0.01171, 0.03722)  |
| Banten   | Preterm birth complications                              | All | 671.7 (326.1, 1,099.9)     | 0.0001154 (0.0000561, 0.0001890) | 0.01967 (0.00971, 0.03144)  | 630.0 (321.5, 1,045.2)     | 0.0001138 (0.0000581, 0.0001888) | 0.02484 (0.01295, 0.04071) |
| Banten   | Other neonatal disorders                                 | All | 319.1 (134.8, 588.7)       | 0.0000548 (0.0000232, 0.0001012) | 0.00935 (0.00416, 0.01703)  | 214.1 (93.7, 417.7)        | 0.0000387 (0.0000169, 0.0000755) | 0.00844 (0.00383, 0.01595) |
| Banten   | Other communicable diseases                              | All | 2,200.0 (1,752.4, 2,728.9) | 0.0003781 (0.0003012, 0.0004690) | 0.06473 (0.05347, 0.07738)  | 1,509.8 (1,170.8, 1,889.8) | 0.0002727 (0.0002115, 0.0003414) | 0.05984 (0.04883, 0.07199) |
| Banten   | Tracheal, bronchus, and lung cancer                      | All | 352.2 (207.9, 544.0)       | 0.0000605 (0.0000357, 0.0000935) | 0.01034 (0.00642, 0.01539)  | 104.0 (59.3, 181.5)        | 0.0000188 (0.0000107, 0.0000328) | 0.00411 (0.00250, 0.00678) |
| Banten   | Breast cancer                                            | All | 15.7 (7.2, 32.2)           | 0.0000027 (0.0000012, 0.0000055) | 0.00046 (0.00021, 0.00094)  | 743.8 (512.5, 1,052.0)     | 0.0001344 (0.0000926, 0.0001900) | 0.00293 (0.00216, 0.00397) |
| Banten   | Cervical cancer                                          | All |                            |                                  |                             | 282.6 (148.8, 491.0)       | 0.0000511 (0.0000269, 0.0000887) | 0.01119 (0.00591, 0.01863) |
| Banten   | Other malignant neoplasms                                | All | 1,252.2 (947.2, 1,655.2)   | 0.0002152 (0.0001628, 0.0002845) | 0.03678 (0.02969, 0.04580)  | 798.6 (588.1, 1,075.1)     | 0.0001443 (0.0001062, 0.0001942) | 0.03162 (0.02448, 0.04070) |
| Banten   | Cerebrovascular disease                                  | All | 4,475.1 (3,658.8, 5,533.8) | 0.0007691 (0.0006288, 0.0009510) | 0.13147 (0.11546, 0.14854)  | 4,295.0 (3,625.8, 5,054.6) | 0.0007759 (0.0006550, 0.0009131) | 0.17028 (0.15148, 0.19029) |
| Banten   | Ischemic heart disease                                   | All | 5,058.4 (4,090.3, 6,187.2) | 0.0008693 (0.0007030, 0.0010633) | 0.14857 (0.13199, 0.16709)  | 2,891.9 (2,406.4, 3,474.1) | 0.0005224 (0.0004347, 0.0006276) | 0.11464 (0.10031, 0.13006) |
| Banten   | Other cardiovascular and circulatory diseases            | All | 1,239.2 (927.5, 1,619.8)   | 0.000213 (0.0001594, 0.0002784)  | 0.03639 (0.02910, 0.04464)  | 1,266.4 (1,000.4, 1,573.0) | 0.0002288 (0.0001807, 0.0002842) | 0.05024 (0.04033, 0.06168) |
| Banten   | Diabetes mellitus                                        | All | 1,663.4 (1,272.0, 2,135.1) | 0.0002859 (0.0002186, 0.0003669) | 0.04884 (0.03993, 0.05741)  | 1,717.8 (1,361.0, 2,102.7) | 0.0003103 (0.0002459, 0.0003798) | 0.06807 (0.05658, 0.07975) |
| Banten   | Chronic kidney disease                                   | All | 794.8 (578.9, 1,039.7)     | 0.0001366 (0.0000995, 0.0001787) | 0.02335 (0.01800, 0.02945)  | 558.6 (417.5, 734.4)       | 0.0001009 (0.0000754, 0.0001327) | 0.02213 (0.01683, 0.02826) |
| Banten   | Cirrhosis                                                | All | 1,630.0 (1,215.0, 2,150.2) | 0.0002801 (0.0002088, 0.0003695) | 0.04787 (0.03865, 0.05971)  | 783.5 (593.1, 1,023.0)     | 0.0001415 (0.0001071, 0.0001848) | 0.03102 (0.02463, 0.03879) |
| Banten   | Chronic respiratory diseases                             | All | 1,294.9 (990.6, 1,645.0)   | 0.0002225 (0.0001702, 0.0002827) | 0.03806 (0.03083, 0.04655)  | 824.3 (644.3, 1,027.0)     | 0.0001489 (0.0001164, 0.0001855) | 0.03268 (0.02602, 0.03980) |
| Banten   | Other non-communicable diseases                          | All | 2,539.6 (2,036.4, 3,138.5) | 0.0004365 (0.0003500, 0.0005394) | 0.07461 (0.06514, 0.08442)  | 2,301.7 (1,882.8, 2,782.1) | 0.0004158 (0.0003401, 0.0005026) | 0.09116 (0.07921, 0.10194) |
| Banten   | Drowning                                                 | All | 284.4 (168.5, 437.2)       | 0.0000489 (0.0000290, 0.0000751) | 0.00838 (0.00500, 0.01281)  | 89.7 (49.8, 143.6)         | 0.0000162 (0.0000090, 0.0000259) | 0.00356 (0.00200, 0.00567) |
| Banten   | Falls                                                    | All | 467.6 (311.5, 674.2)       | 0.0000804 (0.0000535, 0.0001159) | 0.01374 (0.00942, 0.01960)  | 224.5 (152.6, 323.1)       | 0.0000406 (0.0000276, 0.0000584) | 0.00889 (0.00634, 0.01231) |
| Banten   | Interpersonal violence                                   | All | 41.8 (22.5, 73.5)          | 0.0000072 (0.0000039, 0.0000126) | 0.00123 (0.00067, 0.00208)  | 19.8 (10.2, 33.5)          | 0.0000036 (0.0000018, 0.0000061) | 0.00078 (0.00041, 0.00131) |
| Banten   | Self-harm                                                | All | 133.3 (68.6, 236.6)        | 0.0000229 (0.0000118, 0.0000407) | 0.00392 (0.00205, 0.00697)  | 48.9 (24.3, 91.0)          | 0.0000088 (0.0000044, 0.0000164) | 0.00194 (0.00099, 0.00358) |
| Banten   | Transport injuries                                       | All | 1,828.2 (1,405.6, 2,291.7) | 0.0003142 (0.0002416, 0.0003939) | 0.05374 (0.04370, 0.06379)  | 499.7 (368.7, 652.6)       | 0.0000903 (0.0000666, 0.0001179) | 0.01198 (0.01512, 0.02498) |
| Banten   | Other unintentional injuries                             | All | 326.3 (195.2, 502.2)       | 0.0000561 (0.0000335, 0.0000863) | 0.00959 (0.00611, 0.01423)  | 103.3 (60.7, 163.2)        | 0.0000187 (0.0000110, 0.0000295) | 0.00409 (0.00245, 0.00643) |
| Bali     | Diarrheal diseases                                       | NN  | 12.0 (4.7, 22.1)           | 0.0041594 (0.0016167, 0.0076553) | 0.01142 (0.00699, 0.01698)  | 8.2 (3.3, 15.6)            | 0.0029959 (0.0012169, 0.0057157) | 0.01237 (0.00767, 0.01831) |
| Bali     | Lower respiratory infections                             | NN  | 122.3 (57.7, 208.7)        | 0.0424158 (0.0200273, 0.0723993) | 0.11662 (0.08864, 0.15095)  | 62.8 (29.6, 111.2)         | 0.0230611 (0.0108666, 0.0408594) | 0.09495 (0.07148, 0.12283) |
| Bali     | Malaria                                                  | NN  | 0.1 (0.0, 0.4)             | 0.0000274 (0.0000013, 0.0001238) | 0.00008 (0.00000, 0.00037)  | - (0.0, 0.2)               | 0.0000149 (0.0000007, 0.0000676) | 0.00006 (0.00000, 0.00030) |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 220.5 (103.6, 377.6)       | 0.0765118 (0.0359375, 0.1309962) | 0.21096 (0.15562, 0.27405)  | 123.0 (57.5, 220.7)        | 0.0451768 (0.0211203, 0.0810767) | 0.18601 (0.13712, 0.24929) |
| Bali     | Preterm birth complications                              | NN  | 364.2 (183.2, 608.6)       | 0.1263516 (0.0635728, 0.2111478) | 0.34817 (0.27032, 0.42371)  | 264.5 (131.3, 456.6)       | 0.0971902 (0.0482457, 0.1677561) | 0.40124 (0.32464, 0.46950) |
| Bali     | Other neonatal disorders                                 | NN  | 81.2 (18.4, 198.6)         | 0.0281587 (0.0063914, 0.0689110) | 0.07695 (0.02231, 0.15251)  | 43.2 (9.0, 113.1)          | 0.0158644 (0.0033062, 0.0415681) | 0.06505 (0.01777, 0.13761) |
| Bali     | Other communicable diseases                              | NN  | 14.6 (6.1, 27.7)           | 0.005058 (0.0021133, 0.0095933)  | 0.01389 (0.00882, 0.02138)  | 6.8 (2.8, 13.8)            | 0.0025073 (0.0010224, 0.0050723) | 0.01035 (0.00616, 0.01623) |
| Bali     | Other malignant neoplasms                                | NN  | 18.3 (7.5, 33.8)           | 0.0063536 (0.0026126, 0.0117431) | 0.01745 (0.01063, 0.02625)  | 13.0 (5.3, 25.9)           | 0.0047763 (0.0019634, 0.0095253) | 0.0197 (0.01144, 0.03050)  |
| Bali     | Cerebrovascular disease                                  | NN  | 1.9 (0.5, 4.7)             | 0.0006725 (0.0001673, 0.0016340) | 0.00187 (0.00061, 0.00417)  | 1.7 (0.4, 4.8)             | 0.0006372 (0.0001633, 0.0017538) | 0.00263 (0.00086, 0.00572) |
| Bali     | Other cardiovascular and circulatory diseases            | NN  | 1.5 (0.3, 4.0)             | 0.0005104 (0.0001207, 0.0013709) | 0.0014 (0.00044, 0.00342)   | 1.5 (0.3, 4.1)             | 0.0005433 (0.0001262, 0.0015188) | 0.00223 (0.00066, 0.00554) |
| Bali     | Diabetes mellitus                                        | NN  | 0.8 (0.0, 5.6)             | 0.0002627 (0.0000014, 0.0019293) | 0.0007 (0.00000, 0.00549)   | 0.6 (0.0, 4.9)             | 0.0002238 (0.0000012, 0.0018096) | 0.00092 (0.00000, 0.00706) |
| Bali     | Other non-communicable diseases                          | NN  | 150.2 (77.6, 240.5)        | 0.0521229 (0.0269304, 0.0834418) | 0.14369 (0.12470, 0.16249)  | 119.9 (62.0, 202.4)        | 0.0440608 (0.0227721, 0.0743538) | 0.18131 (0.15821, 0.20733) |
| Bali     | Drowning                                                 | NN  | 10.6 (2.6, 27.7)           | 0.0036871 (0.0009068, 0.0096242) | 0.01013 (0.00316, 0.02259)  | 2.0 (0.4, 5.5)             | 0.0007215 (0.0001556, 0.0020281) | 0.00296 (0.00082, 0.00685) |
| Bali     | Falls                                                    | NN  | 7.9 (2.6, 18.1)            | 0.0027298 (0.0008892, 0.0062695) | 0.00749 (0.00338, 0.01456)  | 2.0 (0.6, 4.8)             | 0.0007435 (0.0002219, 0.0017493) | 0.00308 (0.00128, 0.00627) |
| Bali     | Interpersonal violence                                   | NN  | 4.4 (0.8, 12.8)            | 0.0015111 (0.0002728, 0.0044355) | 0.0042 (0.00092, 0.01207)   | 2.1 (0.4, 6.1)             | 0.0007648 (0.0001470, 0.0022468) | 0.00317 (0.00078, 0.00844) |
| Bali     | Transport injuries                                       | NN  | 7.1 (2.3, 16.5)            | 0.0024702 (0.0008061, 0.0057189) | 0.00678 (0.00324, 0.01312)  | 1.4 (0.5, 3.5)             | 0.0005047 (0.0001736, 0.0012786) | 0.00209 (0.00093, 0.00416) |
| Bali     | Other unintentional injuries                             | NN  | 29.5 (11.1, 56.4)          | 0.0102267 (0.0038443, 0.0195792) | 0.0282 (0.01548, 0.04385)   | 7.8 (3.0, 16.5)            | 0.0028631 (0.0011028, 0.0060620) | 0.01186 (0.00638, 0.01894) |
| Bali     | Diarrheal diseases                                       | PNN | 82.2 (37.5, 139.7)         | 0.0022856 (0.0010419, 0.0038829) | 0.21156 (0.15853, 0.26470)  | 112.5 (54.4, 198.0)        | 0.0033114 (0.0016022, 0.0058292) | 0.25943 (0.20046, 0.31727) |
| Bali     | HIV/AIDS                                                 | PNN | 12.4 (4.3, 26.5)           | 0.0003457 (0.0001198, 0.0007361) | 0.03202 (0.01438, 0.05883)  | 12.6 (3.9, 30.0)           | 0.000371 (0.0001136, 0.0008834)  | 0.02875 (0.01275, 0.05319) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males               |                                  |                            | Females             |                                  |                            |
|----------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Lower respiratory infections                             | PNN | 62.2 (29.8, 104.7)  | 0.0017296 (0.0008280, 0.0029098) | 0.16024 (0.12470, 0.19575) | 60.6 (27.7, 106.2)  | 0.0017839 (0.0008165, 0.0031256) | 0.1395 (0.10548, 0.17900)  |
| Bali     | Malaria                                                  | PNN | 0.5 (0.0, 2.2)      | 0.0000145 (0.0000007, 0.0000624) | 0.00136 (0.00007, 0.00593) | 0.5 (0.0, 2.6)      | 0.0000159 (0.0000008, 0.0000756) | 0.00128 (0.00007, 0.00578) |
| Bali     | Tuberculosis                                             | PNN | 4.2 (1.7, 8.2)      | 0.0001169 (0.0000471, 0.0002280) | 0.01081 (0.00645, 0.01713) | 4.6 (1.7, 9.4)      | 0.0001345 (0.0000506, 0.0002763) | 0.01047 (0.00566, 0.01723) |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 3.3 (0.9, 8.3)      | 0.0000917 (0.0000245, 0.0002311) | 0.00852 (0.00282, 0.01967) | 3.3 (0.9, 8.7)      | 0.0000985 (0.0000257, 0.0002557) | 0.00775 (0.00253, 0.01880) |
| Bali     | Preterm birth complications                              | PNN | 18.8 (6.3, 39.2)    | 0.0005217 (0.0001742, 0.0010887) | 0.0485 (0.02160, 0.08754)  | 28.7 (10.0, 58.6)   | 0.0008442 (0.0002946, 0.0017263) | 0.06616 (0.02976, 0.11410) |
| Bali     | Other neonatal disorders                                 | PNN | 4.7 (0.8, 13.9)     | 0.0001315 (0.0000221, 0.0003869) | 0.01219 (0.00236, 0.03268) | 4.7 (0.8, 14.4)     | 0.0001393 (0.0000228, 0.0004233) | 0.01095 (0.00215, 0.02965) |
| Bali     | Other communicable diseases                              | PNN | 110.9 (55.2, 188.7) | 0.0030819 (0.0015332, 0.0052454) | 0.28522 (0.23300, 0.34551) | 104.8 (49.1, 187.7) | 0.0030865 (0.0014447, 0.0055250) | 0.24075 (0.18655, 0.30042) |
| Bali     | Other malignant neoplasms                                | PNN | 6.4 (2.7, 12.1)     | 0.0001766 (0.0000750, 0.0003351) | 0.01633 (0.00996, 0.02465) | 8.2 (3.4, 16.2)     | 0.000241 (0.0000990, 0.0004770)  | 0.01884 (0.01097, 0.02909) |
| Bali     | Cerebrovascular disease                                  | PNN | 0.7 (0.2, 1.5)      | 0.0000187 (0.0000052, 0.0000429) | 0.00175 (0.00056, 0.00389) | 1.1 (0.3, 2.7)      | 0.0000319 (0.0000090, 0.0000793) | 0.00251 (0.00082, 0.00547) |
| Bali     | Ischemic heart disease                                   | PNN | 0.5 (0.0, 2.5)      | 0.0000141 (0.0000010, 0.0000695) | 0.0013 (0.00010, 0.00574)  | 0.8 (0.1, 3.5)      | 0.0000229 (0.0000016, 0.0001042) | 0.00181 (0.00015, 0.00833) |
| Bali     | Other cardiovascular and circulatory diseases            | PNN | 0.5 (0.1, 1.4)      | 0.0000141 (0.0000036, 0.0000383) | 0.0013 (0.00041, 0.00312)  | 0.9 (0.2, 2.5)      | 0.0000271 (0.0000065, 0.0000722) | 0.00211 (0.00063, 0.00518) |
| Bali     | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.0)      | 0.0000074 (0.0000000, 0.0000567) | 0.00065 (0.00000, 0.00523) | 0.4 (0.0, 2.9)      | 0.0000111 (0.0000001, 0.0000851) | 0.00088 (0.00000, 0.00677) |
| Bali     | Chronic kidney disease                                   | PNN | 4.5 (1.7, 9.4)      | 0.0001245 (0.0000478, 0.0002618) | 0.01148 (0.00558, 0.02129) | 4.8 (1.7, 10.5)     | 0.0001403 (0.0000497, 0.0003095) | 0.01094 (0.00524, 0.01996) |
| Bali     | Other non-communicable diseases                          | PNN | 51.7 (25.7, 84.6)   | 0.0014371 (0.0007157, 0.0023520) | 0.13322 (0.11467, 0.15187) | 74.6 (35.7, 127.2)  | 0.0021975 (0.0010500, 0.0037437) | 0.17173 (0.14909, 0.19869) |
| Bali     | Drowning                                                 | PNN | 4.6 (1.2, 11.2)     | 0.0001272 (0.0000339, 0.0003109) | 0.01178 (0.00385, 0.02565) | 1.5 (0.3, 4.3)      | 0.0000447 (0.0000093, 0.0001259) | 0.00349 (0.00098, 0.00771) |
| Bali     | Falls                                                    | PNN | 3.3 (1.1, 7.1)      | 0.0000905 (0.0000314, 0.0001969) | 0.00837 (0.00383, 0.01591) | 1.5 (0.5, 3.4)      | 0.0000445 (0.0000139, 0.0000996) | 0.00349 (0.00147, 0.00699) |
| Bali     | Interpersonal violence                                   | PNN | 1.8 (0.4, 5.2)      | 0.0000493 (0.0000099, 0.0001432) | 0.0046 (0.00105, 0.01271)  | 1.5 (0.3, 4.3)      | 0.0000447 (0.0000092, 0.0001259) | 0.00351 (0.00084, 0.00908) |
| Bali     | Transport injuries                                       | PNN | 3.0 (1.1, 6.6)      | 0.0000841 (0.0000292, 0.0001822) | 0.00779 (0.00376, 0.01490) | 1.1 (0.4, 2.4)      | 0.000031 (0.0000111, 0.0000709)  | 0.00244 (0.00113, 0.00478) |
| Bali     | Other unintentional injuries                             | PNN | 12.1 (5.2, 22.7)    | 0.0003351 (0.0001450, 0.0006307) | 0.031 (0.01720, 0.04675)   | 5.7 (2.3, 11.3)     | 0.000169 (0.0000673, 0.0003321)  | 0.01321 (0.00742, 0.02033) |
| Bali     | Diarrheal diseases                                       | 1   | 17.1 (6.6, 38.1)    | 0.0001133 (0.0000438, 0.0002518) | 0.10706 (0.07468, 0.14714) | 24.6 (9.9, 49.9)    | 0.0001716 (0.0000690, 0.0003483) | 0.14659 (0.10623, 0.19387) |
| Bali     | HIV/AIDS                                                 | 1   | 6.2 (1.8, 15.1)     | 0.0000411 (0.0000118, 0.0001001) | 0.03889 (0.01717, 0.07019) | 6.6 (2.0, 15.2)     | 0.0000458 (0.0000139, 0.0001059) | 0.03909 (0.01700, 0.07210) |
| Bali     | Lower respiratory infections                             | 1   | 30.2 (12.5, 63.3)   | 0.0001999 (0.0000829, 0.0004192) | 0.19003 (0.15072, 0.22646) | 31.0 (13.0, 61.9)   | 0.0002165 (0.0000908, 0.0004316) | 0.18578 (0.14230, 0.22910) |
| Bali     | Malaria                                                  | 1   | 0.1 (0.0, 0.4)      | 0.0000006 (0.0000000, 0.0000026) | 0.00056 (0.00003, 0.00255) | 0.1 (0.0, 0.5)      | 0.0000007 (0.0000000, 0.0000032) | 0.00059 (0.00003, 0.00285) |
| Bali     | Tuberculosis                                             | 1   | 2.2 (0.8, 5.2)      | 0.0000146 (0.0000053, 0.0000343) | 0.01383 (0.00809, 0.02146) | 2.5 (0.9, 5.6)      | 0.0000176 (0.0000065, 0.0000391) | 0.01503 (0.00851, 0.02399) |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.8 (0.2, 2.5)      | 0.0000054 (0.0000012, 0.0000163) | 0.00513 (0.00158, 0.01205) | 0.8 (0.2, 2.4)      | 0.0000058 (0.0000013, 0.0000164) | 0.00496 (0.00160, 0.01162) |
| Bali     | Preterm birth complications                              | 1   | 0.9 (0.2, 3.2)      | 0.0000061 (0.0000010, 0.0000214) | 0.00568 (0.00120, 0.01706) | 1.4 (0.2, 4.8)      | 0.0000097 (0.0000016, 0.0000336) | 0.0083 (0.00189, 0.02372)  |
| Bali     | Other neonatal disorders                                 | 1   | 0.2 (0.0, 1.3)      | 0.0000012 (0.0000000, 0.0000084) | 0.00111 (0.00001, 0.00828) | 0.2 (0.0, 1.3)      | 0.0000012 (0.0000000, 0.0000088) | 0.00105 (0.00001, 0.00789) |
| Bali     | Other communicable diseases                              | 1   | 48.7 (20.2, 98.1)   | 0.0003224 (0.0001336, 0.0006493) | 0.306 (0.25726, 0.35766)   | 49.6 (21.0, 99.1)   | 0.0003461 (0.0001466, 0.0006913) | 0.29624 (0.24177, 0.35331) |
| Bali     | Other malignant neoplasms                                | 1   | 2.2 (0.8, 4.9)      | 0.0000144 (0.0000052, 0.0000327) | 0.01372 (0.00810, 0.02121) | 3.1 (1.2, 6.7)      | 0.0000217 (0.0000082, 0.0000470) | 0.01857 (0.01086, 0.02939) |
| Bali     | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.7)      | 0.0000017 (0.0000004, 0.0000047) | 0.00161 (0.00053, 0.00368) | 0.5 (0.1, 1.2)      | 0.0000032 (0.0000008, 0.0000086) | 0.0027 (0.00090, 0.00610)  |
| Bali     | Ischemic heart disease                                   | 1   | 0.2 (0.0, 0.9)      | 0.0000013 (0.0000001, 0.0000061) | 0.00121 (0.00010, 0.00571) | 0.3 (0.0, 1.4)      | 0.0000023 (0.0000001, 0.0000100) | 0.00198 (0.00017, 0.00894) |
| Bali     | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.5)      | 0.0000012 (0.0000003, 0.0000034) | 0.00112 (0.00034, 0.00275) | 0.4 (0.1, 1.0)      | 0.0000025 (0.0000005, 0.0000068) | 0.00213 (0.00064, 0.00525) |
| Bali     | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.7)      | 0.0000006 (0.0000000, 0.0000049) | 0.00055 (0.00000, 0.00446) | 0.1 (0.0, 1.1)      | 0.000001 (0.0000000, 0.0000078)  | 0.00088 (0.00000, 0.00686) |
| Bali     | Chronic kidney disease                                   | 1   | 1.5 (0.5, 3.4)      | 0.0000099 (0.0000032, 0.0000224) | 0.00933 (0.00451, 0.01733) | 1.7 (0.6, 4.3)      | 0.0000122 (0.0000041, 0.0000299) | 0.01042 (0.00508, 0.01907) |
| Bali     | Cirrhosis                                                | 1   | 1.7 (0.5, 4.5)      | 0.0000115 (0.0000032, 0.0000299) | 0.01092 (0.00460, 0.02194) | 1.5 (0.4, 3.6)      | 0.0000103 (0.0000028, 0.0000253) | 0.00886 (0.00357, 0.01844) |
| Bali     | Chronic respiratory diseases                             | 1   | 3.0 (1.0, 7.2)      | 0.0000201 (0.0000067, 0.0000475) | 0.01923 (0.00939, 0.03272) | 1.9 (0.6, 4.9)      | 0.0000135 (0.0000043, 0.0000338) | 0.0116 (0.00502, 0.02241)  |
| Bali     | Other non-communicable diseases                          | 1   | 17.9 (7.3, 36.5)    | 0.0001182 (0.0000480, 0.0002415) | 0.11212 (0.09106, 0.13478) | 28.4 (12.2, 56.8)   | 0.0001978 (0.0000852, 0.0003964) | 0.16943 (0.14228, 0.19793) |
| Bali     | Drowning                                                 | 1   | 6.6 (1.7, 16.7)     | 0.0000437 (0.0000111, 0.0001108) | 0.04121 (0.01551, 0.07806) | 2.4 (0.6, 6.3)      | 0.000017 (0.0000040, 0.0000440)  | 0.01457 (0.00438, 0.03142) |
| Bali     | Falls                                                    | 1   | 3.3 (0.9, 7.7)      | 0.0000217 (0.0000062, 0.0000508) | 0.02061 (0.01047, 0.03680) | 1.7 (0.5, 4.1)      | 0.0000118 (0.0000034, 0.0000283) | 0.01017 (0.00431, 0.01953) |
| Bali     | Interpersonal violence                                   | 1   | 1.5 (0.3, 4.6)      | 0.0000097 (0.0000019, 0.0000304) | 0.00936 (0.00237, 0.02461) | 1.4 (0.3, 4.1)      | 0.0000098 (0.0000021, 0.0000285) | 0.00846 (0.00210, 0.02162) |
| Bali     | Transport injuries                                       | 1   | 3.9 (1.2, 9.6)      | 0.0000261 (0.0000081, 0.0000633) | 0.02464 (0.01204, 0.04375) | 1.5 (0.4, 3.7)      | 0.0000108 (0.0000031, 0.0000255) | 0.00919 (0.00408, 0.01699) |
| Bali     | Other unintentional injuries                             | 1   | 10.5 (3.5, 22.6)    | 0.0000697 (0.0000229, 0.0001498) | 0.06605 (0.03810, 0.10125) | 5.6 (1.9, 12.1)     | 0.0000391 (0.0000135, 0.0000844) | 0.03342 (0.01800, 0.05403) |
| Bali     | Diarrheal diseases                                       | 5   | 8.5 (5.6, 12.0)     | 0.000045 (0.0000296, 0.0000634)  | 0.06944 (0.04719, 0.09531) | 8.3 (5.7, 11.4)     | 0.0000471 (0.0000325, 0.0000651) | 0.10183 (0.07060, 0.13613) |
| Bali     | HIV/AIDS                                                 | 5   | 2.3 (0.7, 5.0)      | 0.0000122 (0.0000038, 0.0000265) | 0.01884 (0.00589, 0.04110) | 1.6 (0.5, 3.4)      | 0.0000092 (0.0000031, 0.0000193) | 0.01998 (0.00669, 0.04255) |
| Bali     | Lower respiratory infections                             | 5   | 10.6 (6.9, 14.6)    | 0.0000558 (0.0000365, 0.0000771) | 0.08606 (0.05846, 0.11405) | 7.3 (4.8, 10.1)     | 0.0000414 (0.0000272, 0.0000575) | 0.08952 (0.06000, 0.12140) |
| Bali     | Malaria                                                  | 5   | - (0.0, 0.2)        | 0.0000002 (0.0000000, 0.0000011) | 0.00036 (0.00002, 0.00167) | - (0.0, 0.2)        | 0.0000002 (0.0000000, 0.0000009) | 0.00041 (0.00002, 0.00191) |
| Bali     | Tuberculosis                                             | 5   | 1.1 (0.6, 1.8)      | 0.0000058 (0.0000032, 0.0000095) | 0.00898 (0.00512, 0.01426) | 0.8 (0.5, 1.4)      | 0.0000048 (0.0000027, 0.0000079) | 0.01037 (0.00597, 0.01673) |
| Bali     | Other communicable diseases                              | 5   | 24.2 (19.0, 30.3)   | 0.0001277 (0.0001002, 0.0001599) | 0.19677 (0.16086, 0.23478) | 16.5 (12.8, 20.7)   | 0.0000941 (0.0000729, 0.0001181) | 0.20347 (0.16155, 0.24807) |
| Bali     | Other malignant neoplasms                                | 5   | 8.5 (5.8, 12.2)     | 0.000045 (0.0000304, 0.0000645)  | 0.06941 (0.04718, 0.09711) | 8.2 (5.6, 11.4)     | 0.000047 (0.0000319, 0.0000648)  | 0.10161 (0.07010, 0.13648) |
| Bali     | Cerebrovascular disease                                  | 5   | 0.7 (0.3, 1.3)      | 0.0000037 (0.0000017, 0.0000068) | 0.00574 (0.00281, 0.01038) | 0.4 (0.1, 1.4)      | 0.0000048 (0.0000023, 0.0000082) | 0.01036 (0.00515, 0.01790) |
| Bali     | Ischemic heart disease                                   | 5   | 0.6 (0.2, 1.2)      | 0.0000032 (0.0000012, 0.0000064) | 0.00493 (0.00189, 0.00993) | 0.7 (0.3, 1.3)      | 0.000004 (0.0000017, 0.0000074)  | 0.00858 (0.00350, 0.01591) |
| Bali     | Other cardiovascular and circulatory diseases            | 5   | 0.6 (0.2, 1.2)      | 0.0000029 (0.0000013, 0.0000062) | 0.00448 (0.00195, 0.00950) | 0.7 (0.3, 1.4)      | 0.0000042 (0.0000020, 0.0000081) | 0.009 (0.00430, 0.01726)   |
| Bali     | Diabetes mellitus                                        | 5   | 0.7 (0.3, 1.5)      | 0.0000036 (0.0000014, 0.0000082) | 0.00553 (0.00219, 0.01199) | 0.8 (0.3, 1.7)      | 0.0000044 (0.0000018, 0.0000095) | 0.00951 (0.00406, 0.02081) |
| Bali     | Chronic kidney disease                                   | 5   | 2.1 (1.0, 3.6)      | 0.0000109 (0.0000055, 0.0000188) | 0.01674 (0.00855, 0.02881) | 1.7 (0.8, 2.9)      | 0.0000094 (0.0000048, 0.0000166) | 0.02042 (0.01079, 0.03465) |
| Bali     | Cirrhosis                                                | 5   | 3.1 (1.7, 5.1)      | 0.0000162 (0.0000090, 0.0000267) | 0.02504 (0.01404, 0.04051) | 1.8 (1.0, 3.1)      | 0.0000103 (0.0000056, 0.0000174) | 0.02221 (0.01244, 0.03677) |
| Bali     | Chronic respiratory diseases                             | 5   | 1.7 (0.9, 2.9)      | 0.0000088 (0.0000045, 0.0000155) | 0.01354 (0.00692, 0.02362) | 0.7 (0.3, 1.3)      | 0.0000041 (0.0000019, 0.0000075) | 0.00877 (0.00433, 0.01569) |
| Bali     | Other non-communicable diseases                          | 5   | 10.7 (7.8, 14.4)    | 0.0000566 (0.0000413, 0.0000762) | 0.08727 (0.06542, 0.11268) | 11.6 (8.8, 15.0)    | 0.000066 (0.0000501, 0.0000854)  | 0.14284 (0.11007, 0.18136) |
| Bali     | Drowning                                                 | 5   | 20.1 (9.9, 31.3)    | 0.0001058 (0.0000523, 0.0001648) | 0.16315 (0.08254, 0.25211) | 7.3 (3.0, 12.7)     | 0.0000416 (0.0000171, 0.0000724) | 0.08993 (0.03858, 0.15462) |
| Bali     | Falls                                                    | 5   | 5.3 (2.6, 9.2)      | 0.0000277 (0.0000135, 0.0000486) | 0.04274 (0.02125, 0.07392) | 2.5 (1.2, 4.5)      | 0.0000141 (0.0000068, 0.0000256) | 0.03045 (0.01475, 0.05466) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                             |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|-----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 |
| Bali     | Interpersonal violence                        | 5   | 1.1 (0.3, 3.4)    | 0.000059 (0.000013, 0.000178)    | 0.00908 (0.00211, 0.02679) | 1.0 (0.2, 2.7)    | 0.000054 (0.000013, 0.0000151)   | 0.01175 (0.00289, 0.03205)  |
| Bali     | Transport injuries                            | 5   | 12.3 (6.6, 19.8)  | 0.0000648 (0.0000347, 0.0001045) | 0.09993 (0.05580, 0.15826) | 4.6 (2.3, 7.5)    | 0.0000259 (0.0000129, 0.0000429) | 0.05613 (0.02825, 0.09321)  |
| Bali     | Other unintentional injuries                  | 5   | 8.8 (4.4, 15.0)   | 0.0000466 (0.0000230, 0.0000792) | 0.07199 (0.03582, 0.12046) | 4.3 (2.1, 7.2)    | 0.0000244 (0.0000122, 0.0000413) | 0.05286 (0.02642, 0.08775)  |
| Bali     | Diarrheal diseases                            | 10  | 4.1 (2.5, 6.1)    | 0.0000231 (0.0000138, 0.0000342) | 0.03386 (0.02085, 0.04950) | 3.7 (2.3, 5.4)    | 0.0000221 (0.0000138, 0.0000322) | 0.04949 (0.03173, 0.07236)  |
| Bali     | HIV/AIDS                                      | 10  | 2.7 (1.1, 5.0)    | 0.0000148 (0.0000063, 0.0000281) | 0.02175 (0.00916, 0.04164) | 1.7 (0.7, 3.2)    | 0.00001 (0.0000042, 0.0000189)   | 0.02253 (0.00956, 0.04148)  |
| Bali     | Lower respiratory infections                  | 10  | 7.6 (5.2, 10.7)   | 0.0000422 (0.0000288, 0.0000596) | 0.06204 (0.04262, 0.08548) | 4.7 (3.1, 6.6)    | 0.000028 (0.0000184, 0.0000391)  | 0.06285 (0.04141, 0.08648)  |
| Bali     | Malaria                                       | 10  | 0.1 (0.0, 0.4)    | 0.0000005 (0.0000000, 0.0000024) | 0.00078 (0.00005, 0.00352) | 0.1 (0.0, 0.3)    | 0.0000004 (0.0000000, 0.0000016) | 0.00084 (0.00005, 0.00360)  |
| Bali     | Tuberculosis                                  | 10  | 3.1 (1.9, 4.6)    | 0.0000171 (0.0000105, 0.0000256) | 0.02517 (0.01573, 0.03752) | 2.0 (1.2, 3.1)    | 0.0000121 (0.0000074, 0.0000185) | 0.02725 (0.01693, 0.04155)  |
| Bali     | Maternal disorders                            | 10  |                   |                                  |                            | 0.4 (0.1, 1.2)    | 0.0000024 (0.0000003, 0.0000069) | 0.00534 (0.000078, 0.01500) |
| Bali     | Other communicable diseases                   | 10  | 17.5 (13.6, 21.6) | 0.0000978 (0.0000761, 0.0001208) | 0.14351 (0.11530, 0.17471) | 11.0 (8.3, 13.7)  | 0.0000653 (0.0000495, 0.0000814) | 0.14646 (0.11418, 0.18007)  |
| Bali     | Other malignant neoplasms                     | 10  | 12.5 (9.3, 16.2)  | 0.0000697 (0.0000519, 0.0000905) | 0.10224 (0.07826, 0.13062) | 11.1 (8.4, 14.0)  | 0.0000658 (0.0000499, 0.0000830) | 0.14771 (0.11530, 0.18317)  |
| Bali     | Cerebrovascular disease                       | 10  | 1.1 (0.7, 1.8)    | 0.0000063 (0.0000037, 0.0000098) | 0.00923 (0.00546, 0.01433) | 1.2 (0.7, 1.8)    | 0.0000072 (0.0000043, 0.0000109) | 0.01614 (0.00957, 0.02449)  |
| Bali     | Ischemic heart disease                        | 10  | 1.5 (0.9, 2.2)    | 0.0000083 (0.0000050, 0.0000125) | 0.0122 (0.00738, 0.01838)  | 1.5 (0.9, 2.3)    | 0.0000089 (0.0000055, 0.0000134) | 0.01991 (0.01253, 0.02999)  |
| Bali     | Other cardiovascular and circulatory diseases | 10  | 0.8 (0.4, 1.4)    | 0.0000046 (0.0000025, 0.0000078) | 0.00675 (0.00374, 0.01125) | 1.0 (0.6, 1.7)    | 0.0000059 (0.0000033, 0.0000099) | 0.01318 (0.00744, 0.02249)  |
| Bali     | Diabetes mellitus                             | 10  | 1.0 (0.5, 1.7)    | 0.0000055 (0.0000030, 0.0000094) | 0.00801 (0.00450, 0.01347) | 1.0 (0.6, 1.7)    | 0.000006 (0.0000033, 0.0000103)  | 0.01347 (0.00741, 0.02248)  |
| Bali     | Chronic kidney disease                        | 10  | 3.0 (1.8, 4.3)    | 0.0000166 (0.0000100, 0.0000243) | 0.02433 (0.01527, 0.03582) | 2.1 (1.3, 3.3)    | 0.0000128 (0.0000075, 0.0000193) | 0.02866 (0.01708, 0.04349)  |
| Bali     | Cirrhosis                                     | 10  | 3.4 (2.2, 5.1)    | 0.0000192 (0.0000123, 0.0000285) | 0.02821 (0.01854, 0.04133) | 1.9 (1.2, 2.9)    | 0.0000111 (0.0000070, 0.0000170) | 0.02496 (0.01574, 0.03750)  |
| Bali     | Chronic respiratory diseases                  | 10  | 3.7 (2.2, 5.4)    | 0.0000206 (0.0000124, 0.0000303) | 0.03023 (0.01831, 0.04433) | 1.5 (0.8, 2.3)    | 0.0000088 (0.0000050, 0.0000138) | 0.01965 (0.01135, 0.03125)  |
| Bali     | Other non-communicable diseases               | 10  | 12.3 (9.7, 15.3)  | 0.0000689 (0.0000541, 0.0000854) | 0.10109 (0.08100, 0.12382) | 11.9 (9.7, 14.8)  | 0.0000709 (0.0000574, 0.0000878) | 0.1591 (0.13103, 0.19394)   |
| Bali     | Drowning                                      | 10  | 9.5 (3.6, 18.0)   | 0.0000529 (0.0000200, 0.0001003) | 0.07758 (0.03024, 0.14753) | 2.8 (0.9, 6.1)    | 0.0000169 (0.0000055, 0.0000360) | 0.0379 (0.01256, 0.08073)   |
| Bali     | Falls                                         | 10  | 4.2 (2.1, 7.4)    | 0.0000235 (0.0000116, 0.0000414) | 0.03452 (0.01718, 0.06178) | 1.7 (0.8, 3.1)    | 0.0000099 (0.0000048, 0.0000182) | 0.02224 (0.01064, 0.04059)  |
| Bali     | Interpersonal violence                        | 10  | 1.8 (0.5, 4.4)    | 0.00001 (0.0000029, 0.0000245)   | 0.01472 (0.00426, 0.03613) | 1.2 (0.3, 2.9)    | 0.0000072 (0.0000019, 0.0000171) | 0.01607 (0.00435, 0.03895)  |
| Bali     | Self-harm                                     | 10  | 6.1 (2.7, 11.9)   | 0.000034 (0.0000149, 0.0000662)  | 0.04994 (0.02188, 0.09561) | 3.6 (1.6, 6.6)    | 0.0000212 (0.0000093, 0.0000391) | 0.04754 (0.02121, 0.08716)  |
| Bali     | Transport injuries                            | 10  | 17.6 (11.6, 25.3) | 0.0000981 (0.0000646, 0.0001410) | 0.14399 (0.09625, 0.19944) | 5.6 (3.4, 8.4)    | 0.0000331 (0.0000202, 0.0000497) | 0.07422 (0.04559, 0.11101)  |
| Bali     | Other unintentional injuries                  | 10  | 8.5 (4.8, 13.3)   | 0.0000476 (0.0000268, 0.0000740) | 0.06985 (0.03901, 0.10732) | 3.3 (1.8, 5.3)    | 0.0000198 (0.0000107, 0.0000313) | 0.04449 (0.02438, 0.07065)  |
| Bali     | Diarrheal diseases                            | 15  | 2.7 (1.4, 4.4)    | 0.0000173 (0.0000091, 0.0000281) | 0.01537 (0.00857, 0.02422) | 2.1 (1.1, 3.2)    | 0.0000138 (0.0000077, 0.0000217) | 0.01918 (0.01081, 0.03007)  |
| Bali     | HIV/AIDS                                      | 15  | 3.1 (1.2, 6.4)    | 0.0000198 (0.0000078, 0.0000414) | 0.01763 (0.00684, 0.03414) | 1.7 (0.7, 3.5)    | 0.0000115 (0.0000045, 0.0000234) | 0.01604 (0.00632, 0.03277)  |
| Bali     | Lower respiratory infections                  | 15  | 4.1 (2.5, 6.5)    | 0.0000266 (0.0000160, 0.0000419) | 0.02368 (0.01471, 0.03552) | 2.2 (1.3, 3.5)    | 0.0000149 (0.0000089, 0.0000235) | 0.02071 (0.01226, 0.03250)  |
| Bali     | Malaria                                       | 15  | 0.3 (0.0, 1.3)    | 0.0000022 (0.0000001, 0.0000085) | 0.00191 (0.00013, 0.00735) | 0.2 (0.0, 0.7)    | 0.0000011 (0.0000001, 0.0000048) | 0.00158 (0.00010, 0.00655)  |
| Bali     | Tuberculosis                                  | 15  | 8.0 (5.2, 12.0)   | 0.0000511 (0.0000334, 0.0000769) | 0.04548 (0.03119, 0.06360) | 4.0 (2.6, 5.9)    | 0.0000267 (0.0000172, 0.0000395) | 0.03701 (0.02412, 0.05436)  |
| Bali     | Maternal disorders                            | 15  |                   |                                  |                            | 3.5 (1.8, 5.9)    | 0.0000232 (0.0000120, 0.0000398) | 0.03225 (0.01623, 0.05527)  |
| Bali     | Other communicable diseases                   | 15  | 13.3 (9.4, 18.5)  | 0.0000853 (0.0000602, 0.0001187) | 0.07593 (0.05669, 0.09673) | 7.2 (4.9, 9.5)    | 0.0000482 (0.0000333, 0.0000642) | 0.06696 (0.04687, 0.08883)  |
| Bali     | Tracheal, bronchus, and lung cancer           | 15  | 3.2 (1.5, 5.8)    | 0.0000208 (0.0000093, 0.0000372) | 0.01851 (0.00832, 0.03186) | 1.1 (0.4, 2.2)    | 0.0000071 (0.0000025, 0.0000146) | 0.00988 (0.00343, 0.02030)  |
| Bali     | Breast cancer                                 | 15  | 0.1 (0.0, 0.2)    | 0.0000004 (0.0000000, 0.0000015) | 0.00033 (0.00004, 0.00122) | 1.3 (0.4, 2.9)    | 0.0000085 (0.0000026, 0.0000194) | 0.01183 (0.00358, 0.02740)  |
| Bali     | Cervical cancer                               | 15  |                   |                                  |                            | 1.4 (0.4, 3.0)    | 0.0000095 (0.0000030, 0.0000203) | 0.01318 (0.00424, 0.02785)  |
| Bali     | Other malignant neoplasms                     | 15  | 17.0 (12.1, 23.8) | 0.0001089 (0.0000779, 0.0001527) | 0.09691 (0.07570, 0.12080) | 15.7 (11.9, 19.7) | 0.0001055 (0.0000800, 0.0001326) | 0.14647 (0.11235, 0.18247)  |
| Bali     | Cerebrovascular disease                       | 15  | 2.1 (1.2, 3.4)    | 0.0000138 (0.0000079, 0.0000215) | 0.01227 (0.00747, 0.01861) | 2.0 (1.2, 3.2)    | 0.0000137 (0.0000078, 0.0000213) | 0.019 (0.01075, 0.02947)    |
| Bali     | Ischemic heart disease                        | 15  | 5.3 (3.4, 7.7)    | 0.0000337 (0.0000220, 0.0000497) | 0.03007 (0.02077, 0.04103) | 3.8 (2.5, 5.7)    | 0.0000257 (0.0000166, 0.0000382) | 0.03567 (0.02374, 0.05274)  |
| Bali     | Other cardiovascular and circulatory diseases | 15  | 1.4 (0.7, 2.6)    | 0.0000092 (0.0000047, 0.0000164) | 0.00822 (0.00438, 0.01361) | 1.6 (0.8, 2.9)    | 0.000011 (0.0000052, 0.0000195)  | 0.01522 (0.00731, 0.02684)  |
| Bali     | Diabetes mellitus                             | 15  | 1.8 (0.9, 3.0)    | 0.0000114 (0.0000061, 0.0000191) | 0.01015 (0.00555, 0.01709) | 1.7 (0.9, 3.0)    | 0.0000117 (0.0000060, 0.0000201) | 0.01622 (0.00846, 0.02736)  |
| Bali     | Chronic kidney disease                        | 15  | 5.2 (3.1, 8.2)    | 0.0000335 (0.0000202, 0.0000528) | 0.02977 (0.01851, 0.04288) | 3.5 (2.0, 5.4)    | 0.0000235 (0.0000134, 0.0000363) | 0.03259 (0.01879, 0.05042)  |
| Bali     | Cirrhosis                                     | 15  | 4.3 (2.6, 6.9)    | 0.0000274 (0.0000167, 0.0000443) | 0.02439 (0.01525, 0.03849) | 2.3 (1.3, 3.8)    | 0.0000156 (0.0000090, 0.0000257) | 0.02161 (0.01258, 0.03531)  |
| Bali     | Chronic respiratory diseases                  | 15  | 4.0 (2.2, 6.4)    | 0.0000254 (0.0000144, 0.0000408) | 0.02259 (0.01374, 0.03446) | 1.9 (1.1, 3.1)    | 0.0000125 (0.0000071, 0.0000211) | 0.0174 (0.00985, 0.02868)   |
| Bali     | Other non-communicable diseases               | 15  | 15.6 (11.4, 21.5) | 0.0001004 (0.0000732, 0.0001377) | 0.08936 (0.07189, 0.11056) | 13.7 (10.8, 17.4) | 0.0000923 (0.0000725, 0.0001173) | 0.12822 (0.10152, 0.16034)  |
| Bali     | Drowning                                      | 15  | 3.6 (1.1, 8.2)    | 0.0000229 (0.0000069, 0.0000525) | 0.02035 (0.00617, 0.04528) | 1.2 (0.3, 3.1)    | 0.0000084 (0.0000023, 0.0000205) | 0.01166 (0.00323, 0.02839)  |
| Bali     | Falls                                         | 15  | 3.1 (1.5, 5.6)    | 0.0000198 (0.0000097, 0.0000360) | 0.01757 (0.00918, 0.03002) | 1.4 (0.7, 2.6)    | 0.0000095 (0.0000045, 0.0000177) | 0.01312 (0.00630, 0.02468)  |
| Bali     | Interpersonal violence                        | 15  | 4.8 (1.4, 11.2)   | 0.0000309 (0.0000092, 0.0000717) | 0.02741 (0.00836, 0.06076) | 3.2 (0.9, 6.9)    | 0.0000212 (0.0000058, 0.0000467) | 0.02947 (0.00786, 0.06625)  |
| Bali     | Self-harm                                     | 15  | 14.5 (7.7, 24.4)  | 0.0000931 (0.0000494, 0.0001563) | 0.08279 (0.04604, 0.13288) | 8.2 (4.1, 13.9)   | 0.0000552 (0.0000278, 0.0000934) | 0.07654 (0.03963, 0.12788)  |
| Bali     | Transport injuries                            | 15  | 45.5 (32.7, 62.2) | 0.0002917 (0.0002097, 0.0003993) | 0.25965 (0.20398, 0.31344) | 17.3 (11.9, 23.1) | 0.0001162 (0.0000804, 0.0001554) | 0.16127 (0.11390, 0.21082)  |
| Bali     | Other unintentional injuries                  | 15  | 12.2 (7.3, 19.1)  | 0.0000781 (0.0000469, 0.0001224) | 0.06965 (0.04345, 0.10547) | 5.0 (2.8, 8.0)    | 0.0000338 (0.0000186, 0.0000537) | 0.04692 (0.02618, 0.07419)  |
| Bali     | Diarrheal diseases                            | 20  | 2.8 (1.5, 4.8)    | 0.0000184 (0.0000096, 0.0000316) | 0.01267 (0.00700, 0.02053) | 2.1 (1.2, 3.5)    | 0.0000141 (0.0000077, 0.0000227) | 0.01661 (0.00935, 0.02631)  |
| Bali     | HIV/AIDS                                      | 20  | 10.9 (5.7, 19.3)  | 0.0000714 (0.0000372, 0.0001266) | 0.04915 (0.02666, 0.07842) | 5.5 (3.0, 9.2)    | 0.0000362 (0.0000195, 0.0000600) | 0.04282 (0.02352, 0.06905)  |
| Bali     | Lower respiratory infections                  | 20  | 4.2 (2.4, 6.9)    | 0.0000277 (0.0000160, 0.0000451) | 0.01908 (0.01179, 0.02920) | 1.9 (1.1, 3.1)    | 0.0000124 (0.0000071, 0.0000203) | 0.01469 (0.00845, 0.02332)  |
| Bali     | Malaria                                       | 20  | 0.5 (0.0, 1.8)    | 0.000003 (0.0000002, 0.0000119)  | 0.00208 (0.00014, 0.00838) | 0.2 (0.0, 0.9)    | 0.0000015 (0.0000001, 0.0000062) | 0.00175 (0.00012, 0.00723)  |
| Bali     | Tuberculosis                                  | 20  | 17.8 (11.7, 25.8) | 0.0001167 (0.0000767, 0.0001688) | 0.08041 (0.05567, 0.10642) | 6.9 (4.4, 10.1)   | 0.0000453 (0.0000288, 0.0000663) | 0.05353 (0.03515, 0.07516)  |
| Bali     | Maternal disorders                            | 20  |                   |                                  |                            | 5.7 (3.2, 9.0)    | 0.0000373 (0.0000206, 0.0000586) | 0.04407 (0.02474, 0.06778)  |
| Bali     | Other communicable diseases                   | 20  | 17.7 (12.6, 25.3) | 0.0001161 (0.0000824, 0.0001658) | 0.07994 (0.06080, 0.10087) | 9.6 (6.9, 12.7)   | 0.0000631 (0.0000450, 0.0000829) | 0.07467 (0.05491, 0.09605)  |
| Bali     | Tracheal, bronchus, and lung cancer           | 20  | 3.7 (1.5, 7.5)    | 0.0000244 (0.0000101, 0.0000494) | 0.01681 (0.00724, 0.03229) | 1.7 (0.6, 3.3)    | 0.0000108 (0.0000043, 0.0000218) | 0.01278 (0.00500, 0.02573)  |
| Bali     | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)    | 0.0000008 (0.0000002, 0.0000022) | 0.00053 (0.00011, 0.00152) | 4.2 (2.1, 7.4)    | 0.0000277 (0.0000138, 0.0000486) | 0.03283 (0.01652, 0.05782)  |
| Bali     | Cervical cancer                               | 20  |                   |                                  |                            | 3.4 (1.5, 5.9)    | 0.0000222 (0.0000098, 0.0000385) | 0.02621 (0.01183, 0.04489)  |
| Bali     | Other malignant neoplasms                     | 20  | 18.8 (13.2, 26.1) | 0.000123 (0.0000864, 0.0001712)  | 0.08468 (0.06505, 0.10553) | 19.1 (14.1, 25.1) | 0.000125 (0.0000924, 0.0001639)  | 0.14782 (0.11421, 0.18592)  |
| Bali     | Cerebrovascular disease                       | 20  | 4.6 (3.1, 7.0)    | 0.0000304 (0.0000201, 0.0000458) | 0.02094 (0.01506, 0.02876) | 3.5 (2.4, 5.0)    | 0.000023 (0.0000158, 0.0000329)  | 0.02721 (0.01894, 0.03784)  |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Ischemic heart disease                        | 20  | 11.0 (7.9, 15.3)  | 0.0000722 (0.0000515, 0.0000999) | 0.04975 (0.03779, 0.06285) | 5.0 (3.5, 6.8)    | 0.0000329 (0.0000229, 0.0000444) | 0.03897 (0.02799, 0.05110) |
| Bali     | Other cardiovascular and circulatory diseases | 20  | 2.5 (1.5, 4.0)    | 0.0000165 (0.0000100, 0.0000263) | 0.01134 (0.00714, 0.01705) | 2.6 (1.6, 3.9)    | 0.0000169 (0.0000104, 0.0000256) | 0.01993 (0.01273, 0.03002) |
| Bali     | Diabetes mellitus                             | 20  | 2.0 (1.1, 3.2)    | 0.0000131 (0.0000075, 0.0000212) | 0.00902 (0.00534, 0.01347) | 1.7 (1.0, 2.8)    | 0.0000113 (0.0000064, 0.0000182) | 0.0134 (0.00781, 0.02108)  |
| Bali     | Chronic kidney disease                        | 20  | 9.4 (6.3, 14.2)   | 0.0000618 (0.0000411, 0.0000932) | 0.04254 (0.02999, 0.05905) | 5.6 (3.4, 8.5)    | 0.0000365 (0.0000224, 0.0000559) | 0.0432 (0.02751, 0.06490)  |
| Bali     | Cirrhosis                                     | 20  | 7.8 (5.0, 12.2)   | 0.000051 (0.0000326, 0.0000796)  | 0.03508 (0.02358, 0.04923) | 3.8 (2.3, 5.8)    | 0.0000249 (0.0000152, 0.0000378) | 0.02945 (0.01829, 0.04384) |
| Bali     | Chronic respiratory diseases                  | 20  | 9.4 (6.0, 14.1)   | 0.0000615 (0.0000394, 0.0000921) | 0.04233 (0.02841, 0.05786) | 4.7 (2.9, 6.8)    | 0.0000304 (0.0000192, 0.0000446) | 0.03598 (0.02327, 0.05099) |
| Bali     | Other non-communicable diseases               | 20  | 17.2 (12.7, 23.8) | 0.0001124 (0.0000829, 0.0001560) | 0.07745 (0.06127, 0.09505) | 12.9 (9.9, 16.4)  | 0.0000846 (0.0000650, 0.0001071) | 0.10005 (0.07970, 0.12313) |
| Bali     | Drowning                                      | 20  | 2.7 (0.7, 6.4)    | 0.0000175 (0.0000047, 0.0000420) | 0.01205 (0.00326, 0.02883) | 0.8 (0.2, 2.1)    | 0.0000052 (0.0000013, 0.0000137) | 0.00616 (0.00153, 0.01580) |
| Bali     | Falls                                         | 20  | 3.2 (1.6, 5.9)    | 0.0000207 (0.0000104, 0.0000386) | 0.01424 (0.00746, 0.02482) | 1.2 (0.5, 2.3)    | 0.0000079 (0.0000035, 0.0000151) | 0.00938 (0.00450, 0.01763) |
| Bali     | Interpersonal violence                        | 20  | 6.2 (1.9, 14.1)   | 0.0000405 (0.0000125, 0.0000926) | 0.02786 (0.00906, 0.06039) | 3.3 (1.0, 6.9)    | 0.0000213 (0.0000064, 0.0000451) | 0.02517 (0.00745, 0.05417) |
| Bali     | Self-harm                                     | 20  | 16.3 (9.0, 27.2)  | 0.0001068 (0.0000587, 0.0001784) | 0.0735 (0.04065, 0.11922)  | 7.3 (3.7, 11.9)   | 0.0000479 (0.0000242, 0.0000781) | 0.05667 (0.02846, 0.09152) |
| Bali     | Transport injuries                            | 20  | 38.4 (27.0, 53.4) | 0.0002516 (0.0001767, 0.0003498) | 0.17331 (0.12949, 0.22091) | 11.5 (7.5, 16.2)  | 0.0000751 (0.0000493, 0.0001058) | 0.08887 (0.05977, 0.12410) |
| Bali     | Other unintentional injuries                  | 20  | 14.5 (8.6, 22.5)  | 0.0000946 (0.0000564, 0.0001474) | 0.06525 (0.04060, 0.09784) | 4.9 (2.6, 8.1)    | 0.000032 (0.0000172, 0.0000527)  | 0.0378 (0.02103, 0.05961)  |
| Bali     | Diarrheal diseases                            | 25  | 4.9 (2.8, 7.8)    | 0.0000277 (0.0000161, 0.0000446) | 0.01617 (0.00947, 0.02485) | 3.5 (2.0, 5.5)    | 0.00002 (0.0000112, 0.0000317)   | 0.02025 (0.01186, 0.03070) |
| Bali     | HIV/AIDS                                      | 25  | 22.3 (13.7, 33.5) | 0.0001271 (0.0000778, 0.0001908) | 0.0741 (0.04689, 0.10600)  | 10.7 (6.3, 16.6)  | 0.0000613 (0.0000362, 0.0000949) | 0.06215 (0.03841, 0.08880) |
| Bali     | Lower respiratory infections                  | 25  | 4.9 (2.8, 7.9)    | 0.0000282 (0.0000162, 0.0000449) | 0.01641 (0.00988, 0.02470) | 2.1 (1.1, 3.4)    | 0.0000119 (0.0000064, 0.0000194) | 0.01209 (0.00687, 0.01931) |
| Bali     | Malaria                                       | 25  | 0.6 (0.0, 2.2)    | 0.0000032 (0.0000002, 0.0000126) | 0.00184 (0.00013, 0.00771) | 0.3 (0.0, 1.1)    | 0.0000015 (0.0000001, 0.0000063) | 0.00152 (0.00011, 0.00638) |
| Bali     | Tuberculosis                                  | 25  | 25.1 (16.8, 34.9) | 0.0001428 (0.0000960, 0.0001990) | 0.08322 (0.05781, 0.10910) | 9.5 (5.8, 14.1)   | 0.0000543 (0.0000334, 0.0000808) | 0.05506 (0.03616, 0.07760) |
| Bali     | Maternal disorders                            | 25  |                   |                                  |                            | 8.0 (4.3, 12.9)   | 0.0000455 (0.0000247, 0.0000738) | 0.04611 (0.02507, 0.07253) |
| Bali     | Other communicable diseases                   | 25  | 23.5 (17.4, 31.1) | 0.0001339 (0.0000994, 0.0001771) | 0.07803 (0.06054, 0.09824) | 11.9 (8.2, 16.9)  | 0.0000681 (0.0000471, 0.0000967) | 0.06905 (0.05017, 0.08946) |
| Bali     | Tracheal, bronchus, and lung cancer           | 25  | 5.0 (2.1, 9.4)    | 0.0000286 (0.0000119, 0.0000537) | 0.01668 (0.00698, 0.03096) | 2.3 (1.0, 4.5)    | 0.0000133 (0.0000055, 0.0000255) | 0.01355 (0.00573, 0.02541) |
| Bali     | Breast cancer                                 | 25  | 0.2 (0.1, 0.5)    | 0.0000011 (0.0000003, 0.0000028) | 0.00065 (0.00019, 0.00166) | 9.5 (7.7, 15.1)   | 0.0000563 (0.0000326, 0.0000862) | 0.05714 (0.03423, 0.08489) |
| Bali     | Cervical cancer                               | 25  |                   |                                  |                            | 7.1 (3.7, 11.5)   | 0.0000408 (0.0000211, 0.0000655) | 0.04138 (0.02224, 0.06425) |
| Bali     | Other malignant neoplasms                     | 25  | 33.9 (26.1, 43.5) | 0.0001933 (0.0001486, 0.0002479) | 0.11267 (0.09271, 0.13483) | 24.2 (17.3, 33.3) | 0.0001386 (0.0000986, 0.0001903) | 0.14044 (0.10788, 0.17337) |
| Bali     | Cerebrovascular disease                       | 25  | 9.6 (7.1, 12.9)   | 0.0000546 (0.0000404, 0.0000733) | 0.03181 (0.02502, 0.04026) | 6.8 (4.9, 9.5)    | 0.000039 (0.0000279, 0.0000541)  | 0.03959 (0.03031, 0.05121) |
| Bali     | Ischemic heart disease                        | 25  | 21.3 (16.7, 27.5) | 0.0001216 (0.0000954, 0.0001568) | 0.0709 (0.05862, 0.08501)  | 9.6 (7.0, 12.9)   | 0.0000551 (0.0000399, 0.0000737) | 0.05586 (0.04367, 0.06918) |
| Bali     | Other cardiovascular and circulatory diseases | 25  | 3.9 (2.6, 5.9)    | 0.0000225 (0.0000147, 0.0000334) | 0.01311 (0.00895, 0.01857) | 3.8 (2.4, 5.8)    | 0.0000217 (0.0000138, 0.0000330) | 0.02196 (0.01475, 0.03152) |
| Bali     | Diabetes mellitus                             | 25  | 4.0 (2.7, 5.7)    | 0.0000226 (0.0000151, 0.0000323) | 0.01318 (0.00920, 0.01847) | 3.2 (2.0, 4.7)    | 0.000018 (0.0000114, 0.0000267)  | 0.01832 (0.01221, 0.02620) |
| Bali     | Chronic kidney disease                        | 25  | 12.4 (8.7, 17.1)  | 0.0000708 (0.0000496, 0.0000977) | 0.04129 (0.03054, 0.05509) | 6.8 (4.4, 10.1)   | 0.0000389 (0.0000252, 0.0000579) | 0.03947 (0.02677, 0.05547) |
| Bali     | Cirrhosis                                     | 25  | 13.2 (9.2, 19.1)  | 0.0000753 (0.0000523, 0.0001088) | 0.04389 (0.03165, 0.05948) | 5.9 (3.8, 8.8)    | 0.0000335 (0.0000216, 0.0000501) | 0.03402 (0.02296, 0.04875) |
| Bali     | Chronic respiratory diseases                  | 25  | 13.8 (9.5, 19.4)  | 0.0000788 (0.0000540, 0.0001104) | 0.04594 (0.03294, 0.06135) | 6.0 (3.8, 8.9)    | 0.0000346 (0.0000220, 0.0000512) | 0.03503 (0.02331, 0.04916) |
| Bali     | Other non-communicable diseases               | 25  | 23.4 (18.4, 30.2) | 0.0001331 (0.0001048, 0.0001724) | 0.07765 (0.06392, 0.09332) | 16.5 (12.4, 21.9) | 0.0000946 (0.0000707, 0.0001250) | 0.09592 (0.07862, 0.11571) |
| Bali     | Drowning                                      | 25  | 2.2 (0.6, 5.3)    | 0.0000124 (0.0000035, 0.0000300) | 0.00721 (0.00209, 0.01729) | 0.5 (0.1, 1.4)    | 0.000003 (0.0000008, 0.0000077)  | 0.00307 (0.00082, 0.00737) |
| Bali     | Falls                                         | 25  | 5.4 (2.9, 9.3)    | 0.0000307 (0.0000163, 0.0000532) | 0.01789 (0.00970, 0.03016) | 1.7 (0.8, 3.1)    | 0.0000099 (0.0000046, 0.0000179) | 0.01001 (0.00489, 0.01789) |
| Bali     | Interpersonal violence                        | 25  | 6.7 (2.2, 14.7)   | 0.0000379 (0.0000125, 0.0000838) | 0.0221 (0.00756, 0.04834)  | 3.1 (1.0, 6.9)    | 0.0000176 (0.0000055, 0.0000394) | 0.01783 (0.00560, 0.03960) |
| Bali     | Self-harm                                     | 25  | 16.2 (9.0, 26.2)  | 0.0000921 (0.0000513, 0.0001492) | 0.05368 (0.03019, 0.08593) | 6.4 (3.2, 10.8)   | 0.0000365 (0.0000183, 0.0000616) | 0.03699 (0.02007, 0.06066) |
| Bali     | Transport injuries                            | 25  | 29.3 (19.7, 40.6) | 0.000167 (0.0001123, 0.0002312)  | 0.09741 (0.06769, 0.13045) | 7.0 (4.2, 10.7)   | 0.0000402 (0.0000240, 0.0000614) | 0.04072 (0.02563, 0.05890) |
| Bali     | Other unintentional injuries                  | 25  | 19.3 (12.4, 28.5) | 0.00011 (0.0000707, 0.0001623)   | 0.06417 (0.04147, 0.09250) | 5.6 (3.2, 9.1)    | 0.000032 (0.0000182, 0.0000519)  | 0.03248 (0.01916, 0.05017) |
| Bali     | Diarrheal diseases                            | 30  | 5.9 (3.3, 9.2)    | 0.0000322 (0.0000184, 0.0000505) | 0.01675 (0.01001, 0.02578) | 4.2 (2.5, 6.7)    | 0.0000233 (0.0000137, 0.0000372) | 0.01893 (0.01207, 0.02792) |
| Bali     | HIV/AIDS                                      | 30  | 23.3 (14.2, 34.0) | 0.0001281 (0.0000781, 0.0001872) | 0.06667 (0.04244, 0.09311) | 11.6 (7.0, 17.6)  | 0.0000643 (0.0000387, 0.0000976) | 0.05232 (0.03398, 0.07249) |
| Bali     | Lower respiratory infections                  | 30  | 4.7 (2.8, 7.5)    | 0.0000258 (0.0000154, 0.0000411) | 0.01343 (0.00824, 0.02024) | 2.2 (1.2, 3.7)    | 0.000012 (0.0000064, 0.0000203)  | 0.00971 (0.00568, 0.01527) |
| Bali     | Malaria                                       | 30  | 0.5 (0.0, 2.1)    | 0.0000028 (0.0000002, 0.0000113) | 0.00148 (0.00010, 0.00612) | 0.2 (0.0, 0.9)    | 0.0000012 (0.0000001, 0.0000052) | 0.00097 (0.00007, 0.00404) |
| Bali     | Tuberculosis                                  | 30  | 26.3 (17.8, 37.4) | 0.0001448 (0.0000980, 0.0002055) | 0.07525 (0.05209, 0.10177) | 9.4 (5.5, 14.4)   | 0.0000519 (0.0000307, 0.0000795) | 0.04222 (0.02741, 0.05960) |
| Bali     | Maternal disorders                            | 30  |                   |                                  |                            | 11.6 (6.7, 17.9)  | 0.0000644 (0.0000372, 0.0000993) | 0.05246 (0.03214, 0.07527) |
| Bali     | Other communicable diseases                   | 30  | 17.7 (12.4, 24.7) | 0.0000975 (0.0000681, 0.0001358) | 0.05069 (0.03767, 0.06637) | 9.3 (6.0, 13.6)   | 0.0000516 (0.0000334, 0.0000753) | 0.04199 (0.02954, 0.05599) |
| Bali     | Tracheal, bronchus, and lung cancer           | 30  | 10.5 (5.0, 18.3)  | 0.0000577 (0.0000273, 0.0001005) | 0.03001 (0.01469, 0.05108) | 2.9 (1.3, 5.4)    | 0.0000162 (0.0000074, 0.0000301) | 0.01324 (0.00622, 0.02352) |
| Bali     | Breast cancer                                 | 30  | 0.3 (0.1, 0.7)    | 0.0000015 (0.0000004, 0.0000040) | 0.00075 (0.00020, 0.00216) | 17.0 (10.2, 26.5) | 0.0000944 (0.0000563, 0.0001468) | 0.07682 (0.04823, 0.10924) |
| Bali     | Cervical cancer                               | 30  |                   |                                  |                            | 13.4 (7.6, 21.1)  | 0.0000743 (0.0000422, 0.0001171) | 0.06046 (0.03614, 0.08801) |
| Bali     | Other malignant neoplasms                     | 30  | 44.2 (34.2, 54.7) | 0.000243 (0.0001883, 0.0003006)  | 0.12637 (0.10429, 0.14862) | 28.3 (19.8, 40.2) | 0.0001564 (0.0001095, 0.0002226) | 0.12717 (0.09870, 0.16087) |
| Bali     | Cerebrovascular disease                       | 30  | 16.7 (12.8, 21.3) | 0.0000919 (0.0000702, 0.0001171) | 0.0478 (0.03834, 0.05833)  | 12.9 (9.2, 18.0)  | 0.0000714 (0.0000511, 0.0000997) | 0.05809 (0.04680, 0.07159) |
| Bali     | Ischemic heart disease                        | 30  | 35.6 (28.3, 44.8) | 0.0001957 (0.0001556, 0.0002465) | 0.10182 (0.08593, 0.11917) | 16.0 (11.5, 22.1) | 0.0000884 (0.0000636, 0.0001225) | 0.07198 (0.05901, 0.08624) |
| Bali     | Other cardiovascular and circulatory diseases | 30  | 5.2 (3.5, 7.6)    | 0.0000287 (0.0000193, 0.0000418) | 0.0149 (0.01040, 0.02104)  | 5.4 (3.5, 8.3)    | 0.0000297 (0.0000194, 0.0000462) | 0.02414 (0.01699, 0.03390) |
| Bali     | Diabetes mellitus                             | 30  | 7.2 (5.1, 9.8)    | 0.0000394 (0.0000281, 0.0000539) | 0.02047 (0.01542, 0.02699) | 5.8 (3.9, 8.4)    | 0.0000323 (0.0000213, 0.0000464) | 0.02635 (0.01852, 0.03508) |
| Bali     | Chronic kidney disease                        | 30  | 14.9 (10.7, 20.5) | 0.0000821 (0.0000586, 0.0001127) | 0.04267 (0.03144, 0.05593) | 8.2 (5.3, 12.2)   | 0.0000453 (0.0000291, 0.0000677) | 0.03688 (0.02510, 0.05099) |
| Bali     | Cirrhosis                                     | 30  | 18.6 (13.5, 26.1) | 0.0001025 (0.0000740, 0.0001438) | 0.0533 (0.03938, 0.07114)  | 9.1 (6.0, 13.8)   | 0.0000504 (0.0000330, 0.0000766) | 0.04104 (0.02911, 0.05684) |
| Bali     | Chronic respiratory diseases                  | 30  | 14.1 (9.6, 19.9)  | 0.0000775 (0.0000526, 0.0001096) | 0.04031 (0.02824, 0.05373) | 7.0 (4.4, 10.5)   | 0.0000386 (0.0000243, 0.0000579) | 0.03137 (0.02138, 0.04311) |
| Bali     | Other non-communicable diseases               | 30  | 26.5 (20.9, 33.7) | 0.0001456 (0.0001149, 0.0001855) | 0.07576 (0.06229, 0.09088) | 20.3 (15.1, 27.6) | 0.0001122 (0.0000837, 0.0001529) | 0.09134 (0.07683, 0.10889) |
| Bali     | Drowning                                      | 30  | 2.6 (0.7, 6.4)    | 0.0000144 (0.0000040, 0.0000352) | 0.00748 (0.00205, 0.01769) | 0.9 (0.2, 2.3)    | 0.000005 (0.0000013, 0.0000129)  | 0.00404 (0.00111, 0.00977) |
| Bali     | Falls                                         | 30  | 7.0 (3.8, 11.5)   | 0.0000382 (0.0000212, 0.0000633) | 0.01987 (0.01148, 0.03207) | 2.9 (1.5, 4.9)    | 0.0000161 (0.0000081, 0.0000272) | 0.01308 (0.00701, 0.02169) |
| Bali     | Interpersonal violence                        | 30  | 6.0 (2.0, 13.4)   | 0.0000329 (0.0000107, 0.0000736) | 0.01708 (0.00584, 0.03801) | 2.9 (0.9, 6.6)    | 0.0000161 (0.0000049, 0.0000367) | 0.01312 (0.00403, 0.02970) |
| Bali     | Self-harm                                     | 30  | 14.4 (7.9, 23.8)  | 0.0000793 (0.0000433, 0.0001310) | 0.04123 (0.02278, 0.06617) | 5.8 (2.8, 10.2)   | 0.0000321 (0.0000155, 0.0000566) | 0.02607 (0.01372, 0.04292) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Transport injuries                            | 30  | 27.6 (18.4, 38.6)  | 0.000152 (0.0001014, 0.0002121)  | 0.07906 (0.05383, 0.10704) | 8.0 (4.8, 12.5)   | 0.0000445 (0.0000265, 0.0000695) | 0.03623 (0.02252, 0.05231) |
| Bali     | Other unintentional injuries                  | 30  | 19.9 (12.2, 28.8)  | 0.0001093 (0.0000671, 0.0001587) | 0.05685 (0.03626, 0.08108) | 6.6 (3.8, 10.8)   | 0.0000368 (0.0000208, 0.0000596) | 0.02997 (0.01784, 0.04564) |
| Bali     | Diarrheal diseases                            | 35  | 5.9 (3.5, 9.3)     | 0.0000307 (0.0000183, 0.0000484) | 0.01236 (0.00750, 0.01905) | 5.4 (3.1, 8.6)    | 0.0000291 (0.0000167, 0.0000461) | 0.01579 (0.00983, 0.02393) |
| Bali     | HIV/AIDS                                      | 35  | 25.3 (15.4, 37.8)  | 0.0001323 (0.0000807, 0.0001973) | 0.05337 (0.03263, 0.07597) | 15.0 (8.9, 23.4)  | 0.00008 (0.0000474, 0.0001254)   | 0.04338 (0.02735, 0.06227) |
| Bali     | Lower respiratory infections                  | 35  | 6.0 (3.7, 9.4)     | 0.0000314 (0.0000192, 0.0000490) | 0.01268 (0.00792, 0.01901) | 3.5 (1.9, 5.8)    | 0.0000185 (0.0000101, 0.0000311) | 0.01003 (0.00592, 0.01524) |
| Bali     | Malaria                                       | 35  | 0.5 (0.0, 2.2)     | 0.0000027 (0.0000002, 0.0000113) | 0.0011 (0.00008, 0.00464)  | 0.3 (0.0, 1.2)    | 0.0000014 (0.0000001, 0.0000065) | 0.00077 (0.00005, 0.00347) |
| Bali     | Tuberculosis                                  | 35  | 33.2 (22.3, 46.3)  | 0.0001736 (0.0001165, 0.0002421) | 0.07004 (0.04938, 0.09181) | 14.0 (8.8, 21.3)  | 0.0000749 (0.0000472, 0.0001140) | 0.04067 (0.02662, 0.05698) |
| Bali     | Maternal disorders                            | 35  |                    |                                  |                            | 12.5 (7.0, 20.1)  | 0.0000669 (0.0000376, 0.0001076) | 0.0363 (0.02211, 0.05285)  |
| Bali     | Other communicable diseases                   | 35  | 18.1 (12.5, 24.8)  | 0.0000944 (0.0000651, 0.0001295) | 0.03808 (0.02727, 0.05002) | 12.5 (8.2, 17.9)  | 0.0000666 (0.0000439, 0.0000958) | 0.03617 (0.02594, 0.04744) |
| Bali     | Tracheal, bronchus, and lung cancer           | 35  | 8.8 (4.1, 16.0)    | 0.0000462 (0.0000214, 0.0000837) | 0.01866 (0.00889, 0.03402) | 5.0 (2.4, 9.1)    | 0.0000267 (0.0000130, 0.0000484) | 0.01452 (0.00727, 0.02448) |
| Bali     | Breast cancer                                 | 35  | 0.5 (0.1, 1.4)     | 0.0000028 (0.0000008, 0.0000073) | 0.00115 (0.00032, 0.00308) | 30.6 (19.1, 46.6) | 0.0001635 (0.0001023, 0.0002495) | 0.08872 (0.05920, 0.12250) |
| Bali     | Cervical cancer                               | 35  |                    |                                  |                            | 27.5 (16.6, 41.6) | 0.0001472 (0.0000887, 0.0002228) | 0.07982 (0.05212, 0.11216) |
| Bali     | Other malignant neoplasms                     | 35  | 75.4 (58.3, 93.3)  | 0.000394 (0.0003047, 0.0004874)  | 0.15896 (0.13514, 0.18298) | 38.3 (25.8, 55.1) | 0.0002051 (0.0001381, 0.0002946) | 0.11117 (0.08404, 0.14243) |
| Bali     | Cerebrovascular disease                       | 35  | 31.7 (24.7, 39.6)  | 0.0001656 (0.0001288, 0.0002068) | 0.06681 (0.05563, 0.07928) | 27.5 (20.0, 37.9) | 0.0001471 (0.0001068, 0.0002026) | 0.07977 (0.06557, 0.09524) |
| Bali     | Ischemic heart disease                        | 35  | 57.5 (46.0, 71.2)  | 0.0003006 (0.0002405, 0.0003718) | 0.12133 (0.10338, 0.13954) | 30.3 (21.9, 41.9) | 0.000162 (0.0001172, 0.0002241)  | 0.0879 (0.07312, 0.10318)  |
| Bali     | Other cardiovascular and circulatory diseases | 35  | 8.2 (5.6, 12.0)    | 0.0000429 (0.0000292, 0.0000626) | 0.0173 (0.01250, 0.02386)  | 9.0 (5.9, 14.0)   | 0.0000483 (0.0000315, 0.0000747) | 0.0262 (0.01861, 0.03649)  |
| Bali     | Diabetes mellitus                             | 35  | 15.8 (11.6, 20.9)  | 0.0000824 (0.0000606, 0.0001093) | 0.03323 (0.02605, 0.04195) | 13.8 (9.3, 19.8)  | 0.000074 (0.0000499, 0.0001058)  | 0.04014 (0.03013, 0.05238) |
| Bali     | Chronic kidney disease                        | 35  | 20.9 (15.0, 28.6)  | 0.000109 (0.0000782, 0.0001496)  | 0.04398 (0.03281, 0.05727) | 12.2 (7.8, 18.3)  | 0.0000652 (0.0000419, 0.0000977) | 0.03536 (0.02432, 0.04885) |
| Bali     | Cirrhosis                                     | 35  | 27.5 (19.5, 37.9)  | 0.0001439 (0.0001021, 0.0001981) | 0.05805 (0.04272, 0.07708) | 15.0 (9.7, 22.6)  | 0.0000801 (0.0000518, 0.0001207) | 0.04345 (0.03024, 0.05944) |
| Bali     | Chronic respiratory diseases                  | 35  | 22.7 (15.6, 31.4)  | 0.0001188 (0.0000814, 0.0001639) | 0.04793 (0.03442, 0.06322) | 10.7 (6.9, 16.3)  | 0.0000573 (0.0000368, 0.0000870) | 0.03106 (0.02172, 0.04210) |
| Bali     | Other non-communicable diseases               | 35  | 33.1 (25.6, 42.6)  | 0.0001732 (0.0001340, 0.0002226) | 0.06991 (0.05749, 0.08372) | 28.0 (20.3, 38.3) | 0.0001497 (0.0001088, 0.0002051) | 0.08123 (0.06720, 0.09598) |
| Bali     | Drowning                                      | 35  | 3.9 (1.0, 9.5)     | 0.0000203 (0.0000055, 0.0000498) | 0.00821 (0.00227, 0.01955) | 1.7 (0.5, 4.2)    | 0.000009 (0.0000025, 0.0000223)  | 0.00487 (0.00140, 0.01185) |
| Bali     | Falls                                         | 35  | 8.4 (4.6, 14.2)    | 0.0000437 (0.0000241, 0.0000743) | 0.01764 (0.01009, 0.02905) | 4.2 (2.2, 7.6)    | 0.0000227 (0.0000115, 0.0000406) | 0.01233 (0.00670, 0.02110) |
| Bali     | Interpersonal violence                        | 35  | 6.2 (1.9, 13.9)    | 0.0000322 (0.0000099, 0.0000728) | 0.01297 (0.00392, 0.02946) | 3.3 (1.0, 7.6)    | 0.0000176 (0.0000051, 0.0000406) | 0.00958 (0.00286, 0.02222) |
| Bali     | Self-harm                                     | 35  | 16.0 (8.6, 26.5)   | 0.0000835 (0.0000447, 0.0001386) | 0.03367 (0.01843, 0.05424) | 6.9 (3.4, 12.3)   | 0.0000371 (0.0000180, 0.0000660) | 0.02009 (0.01067, 0.03407) |
| Bali     | Transport injuries                            | 35  | 26.2 (16.8, 37.7)  | 0.0001371 (0.0000880, 0.0001969) | 0.05533 (0.03643, 0.07699) | 8.9 (5.0, 13.9)   | 0.0000476 (0.0000265, 0.0000743) | 0.02579 (0.01573, 0.03759) |
| Bali     | Other unintentional injuries                  | 35  | 22.4 (13.7, 33.0)  | 0.000117 (0.0000715, 0.0001722)  | 0.04724 (0.02995, 0.06677) | 8.6 (4.6, 13.4)   | 0.0000459 (0.0000246, 0.0000719) | 0.02488 (0.01474, 0.03671) |
| Bali     | Diarrheal diseases                            | 40  | 7.1 (4.2, 11.1)    | 0.000043 (0.0000257, 0.0000678)  | 0.01196 (0.00747, 0.01811) | 7.7 (4.7, 11.7)   | 0.0000481 (0.0000296, 0.0000733) | 0.01767 (0.01161, 0.02570) |
| Bali     | HIV/AIDS                                      | 40  | 15.4 (8.3, 24.8)   | 0.0000935 (0.0000505, 0.0001510) | 0.02603 (0.01436, 0.03992) | 10.9 (6.1, 17.6)  | 0.0000682 (0.0000378, 0.0001100) | 0.02499 (0.01424, 0.03776) |
| Bali     | Lower respiratory infections                  | 40  | 7.0 (4.4, 10.5)    | 0.0000426 (0.0000269, 0.0000640) | 0.01186 (0.00770, 0.01730) | 5.1 (2.9, 8.1)    | 0.000032 (0.0000184, 0.0000509)  | 0.01173 (0.00733, 0.01715) |
| Bali     | Malaria                                       | 40  | 0.6 (0.0, 2.2)     | 0.0000034 (0.0000002, 0.0000131) | 0.00095 (0.00007, 0.00398) | 0.3 (0.0, 1.3)    | 0.0000019 (0.0000001, 0.0000082) | 0.0007 (0.00005, 0.00285)  |
| Bali     | Tuberculosis                                  | 40  | 35.0 (24.6, 47.3)  | 0.000213 (0.0001498, 0.0002876)  | 0.05929 (0.04390, 0.07419) | 16.8 (11.0, 23.8) | 0.0001048 (0.0000690, 0.0001485) | 0.03845 (0.02712, 0.05067) |
| Bali     | Maternal disorders                            | 40  |                    |                                  |                            | 3.5 (1.8, 6.0)    | 0.0000216 (0.0000114, 0.0000376) | 0.00792 (0.00424, 0.01311) |
| Bali     | Other communicable diseases                   | 40  | 19.7 (13.8, 27.3)  | 0.0001198 (0.0000842, 0.0001660) | 0.03336 (0.02446, 0.04361) | 16.5 (11.3, 23.2) | 0.0001029 (0.0000705, 0.0001447) | 0.03777 (0.02784, 0.04818) |
| Bali     | Tracheal, bronchus, and lung cancer           | 40  | 15.9 (8.8, 26.4)   | 0.0000971 (0.0000537, 0.0001609) | 0.02705 (0.01539, 0.04362) | 6.9 (3.9, 11.7)   | 0.0000434 (0.0000241, 0.0000731) | 0.01595 (0.00912, 0.02484) |
| Bali     | Breast cancer                                 | 40  | 0.9 (0.3, 2.1)     | 0.0000055 (0.0000017, 0.0000129) | 0.00154 (0.00048, 0.00372) | 39.6 (24.6, 59.0) | 0.0002472 (0.0001536, 0.0003686) | 0.09071 (0.05824, 0.12639) |
| Bali     | Cervical cancer                               | 40  |                    |                                  |                            | 39.6 (25.2, 58.9) | 0.0002475 (0.0001573, 0.0003679) | 0.09074 (0.06031, 0.12631) |
| Bali     | Other malignant neoplasms                     | 40  | 96.7 (74.5, 121.1) | 0.0005884 (0.0004535, 0.0007368) | 0.16381 (0.13912, 0.18984) | 41.6 (28.1, 59.7) | 0.0002597 (0.0001756, 0.0003730) | 0.09517 (0.07121, 0.12289) |
| Bali     | Cerebrovascular disease                       | 40  | 53.7 (42.5, 67.4)  | 0.000327 (0.0002586, 0.0004099)  | 0.09107 (0.07664, 0.10569) | 47.3 (35.4, 63.1) | 0.0002958 (0.0002214, 0.0003945) | 0.10846 (0.09342, 0.12522) |
| Bali     | Ischemic heart disease                        | 40  | 92.1 (73.6, 113.9) | 0.0005606 (0.0004477, 0.0006932) | 0.15615 (0.13550, 0.17624) | 48.2 (36.2, 63.4) | 0.0003009 (0.0002264, 0.0003959) | 0.11038 (0.09286, 0.12715) |
| Bali     | Other cardiovascular and circulatory diseases | 40  | 12.0 (8.2, 17.3)   | 0.0000731 (0.0000497, 0.0001054) | 0.02036 (0.01469, 0.02807) | 13.0 (8.6, 19.7)  | 0.0000815 (0.0000535, 0.0001233) | 0.02984 (0.02171, 0.04143) |
| Bali     | Diabetes mellitus                             | 40  | 33.8 (25.6, 44.8)  | 0.000206 (0.0001557, 0.0002726)  | 0.05734 (0.04593, 0.07012) | 28.7 (19.9, 39.6) | 0.0001796 (0.0001241, 0.0002476) | 0.06583 (0.05129, 0.08369) |
| Bali     | Chronic kidney disease                        | 40  | 27.2 (19.2, 37.4)  | 0.0001656 (0.0001167, 0.0002278) | 0.04613 (0.03407, 0.05977) | 15.1 (9.8, 22.5)  | 0.0000945 (0.0000610, 0.0001404) | 0.03466 (0.02445, 0.04729) |
| Bali     | Cirrhosis                                     | 40  | 35.6 (25.2, 48.5)  | 0.0002168 (0.0001536, 0.0002953) | 0.06037 (0.04535, 0.07954) | 19.9 (13.0, 29.6) | 0.0001241 (0.0000813, 0.0001852) | 0.04549 (0.03273, 0.06174) |
| Bali     | Chronic respiratory diseases                  | 40  | 29.0 (20.2, 39.1)  | 0.0001763 (0.0001228, 0.0002379) | 0.04907 (0.03669, 0.06330) | 13.9 (9.2, 19.7)  | 0.0000869 (0.0000578, 0.0001229) | 0.03185 (0.02349, 0.04124) |
| Bali     | Other non-communicable diseases               | 40  | 37.9 (29.0, 48.9)  | 0.0002305 (0.0001762, 0.0002973) | 0.06418 (0.05241, 0.07682) | 32.2 (23.4, 42.8) | 0.0002011 (0.0001465, 0.0002672) | 0.07375 (0.06109, 0.08772) |
| Bali     | Drowning                                      | 40  | 2.3 (0.6, 5.7)     | 0.0000137 (0.0000036, 0.0000346) | 0.00382 (0.00101, 0.00944) | 1.2 (0.3, 3.0)    | 0.0000074 (0.0000021, 0.0000189) | 0.00269 (0.00076, 0.00674) |
| Bali     | Falls                                         | 40  | 7.9 (4.3, 13.3)    | 0.000048 (0.0000264, 0.0000812)  | 0.01337 (0.00764, 0.02178) | 4.6 (2.4, 7.8)    | 0.0000285 (0.0000151, 0.0000485) | 0.01047 (0.00591, 0.01730) |
| Bali     | Interpersonal violence                        | 40  | 4.9 (1.4, 11.4)    | 0.0000299 (0.0000085, 0.0000697) | 0.00831 (0.00247, 0.01906) | 2.5 (0.7, 6.0)    | 0.0000157 (0.0000046, 0.0000378) | 0.00578 (0.00171, 0.01367) |
| Bali     | Self-harm                                     | 40  | 14.3 (7.6, 23.6)   | 0.0000872 (0.0000463, 0.0001435) | 0.02427 (0.01351, 0.03902) | 5.8 (2.9, 10.1)   | 0.0000361 (0.0000179, 0.0000634) | 0.01325 (0.00679, 0.02234) |
| Bali     | Transport injuries                            | 40  | 22.3 (13.7, 32.4)  | 0.0001356 (0.0000833, 0.0001972) | 0.03776 (0.02428, 0.05467) | 8.2 (4.7, 13.2)   | 0.000051 (0.0000293, 0.0000823)  | 0.01869 (0.01143, 0.02844) |
| Bali     | Other unintentional injuries                  | 40  | 18.8 (11.1, 28.4)  | 0.0001147 (0.0000676, 0.0001729) | 0.03196 (0.01905, 0.04697) | 7.4 (4.0, 12.0)   | 0.0000465 (0.0000252, 0.0000748) | 0.01705 (0.01004, 0.02603) |
| Bali     | Diarrheal diseases                            | 45  | 7.5 (4.4, 11.7)    | 0.0000571 (0.0000334, 0.0000883) | 0.01137 (0.00714, 0.01635) | 10.0 (6.4, 14.7)  | 0.0000778 (0.0000499, 0.0001145) | 0.01775 (0.01195, 0.02495) |
| Bali     | HIV/AIDS                                      | 45  | 8.7 (4.1, 15.6)    | 0.0000659 (0.0000309, 0.0001183) | 0.01311 (0.00633, 0.02282) | 7.4 (3.7, 13.6)   | 0.000058 (0.0000288, 0.0001062)  | 0.01322 (0.00662, 0.02320) |
| Bali     | Lower respiratory infections                  | 45  | 9.4 (5.9, 13.9)    | 0.0000709 (0.0000448, 0.0001052) | 0.01411 (0.00945, 0.01993) | 9.1 (5.7, 13.5)   | 0.0000713 (0.0000446, 0.0001055) | 0.01624 (0.01095, 0.02286) |
| Bali     | Malaria                                       | 45  | 0.5 (0.0, 2.0)     | 0.0000036 (0.0000003, 0.0000150) | 0.00072 (0.00005, 0.00308) | 0.3 (0.0, 1.2)    | 0.0000021 (0.0000001, 0.0000096) | 0.00048 (0.00003, 0.00216) |
| Bali     | Tuberculosis                                  | 45  | 37.5 (27.0, 49.5)  | 0.0002842 (0.0002045, 0.0003751) | 0.05654 (0.04422, 0.06940) | 20.3 (13.7, 27.4) | 0.0001579 (0.0001067, 0.0002137) | 0.03601 (0.02663, 0.04603) |
| Bali     | Maternal disorders                            | 45  |                    |                                  |                            | 2.2 (0.9, 4.3)    | 0.0000173 (0.0000071, 0.0000333) | 0.00396 (0.00175, 0.00743) |
| Bali     | Other communicable diseases                   | 45  | 18.6 (12.7, 26.9)  | 0.0001412 (0.0000964, 0.0002033) | 0.02809 (0.02065, 0.03749) | 19.8 (14.0, 27.5) | 0.0001546 (0.0001092, 0.0002145) | 0.03525 (0.02682, 0.04617) |
| Bali     | Tracheal, bronchus, and lung cancer           | 45  | 19.6 (11.7, 30.5)  | 0.0001488 (0.0000885, 0.0002311) | 0.02964 (0.01868, 0.04533) | 9.6 (5.7, 15.1)   | 0.0000747 (0.0000444, 0.0001175) | 0.01705 (0.01084, 0.02595) |
| Bali     | Breast cancer                                 | 45  | 1.1 (0.4, 2.4)     | 0.0000086 (0.0000033, 0.0000181) | 0.00172 (0.00066, 0.00351) | 38.2 (24.1, 56.5) | 0.0002975 (0.0001875, 0.0004404) | 0.06788 (0.04550, 0.09304) |
| Bali     | Cervical cancer                               | 45  |                    |                                  |                            | 50.8 (33.9, 71.2) | 0.0003956 (0.0002642, 0.0005549) | 0.09013 (0.06506, 0.11897) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Other malignant neoplasms                     | 45  | 96.2 (71.7, 122.9)   | 0.0007287 (0.0005430, 0.0009307) | 0.14499 (0.12322, 0.16941) | 41.2 (28.5, 56.6)    | 0.0003209 (0.0002223, 0.0004411) | 0.07313 (0.05489, 0.09332) |
| Bali     | Cerebrovascular disease                       | 45  | 75.8 (58.8, 95.0)    | 0.0005742 (0.0004455, 0.0007194) | 0.1143 (0.09862, 0.12985)  | 79.8 (62.2, 100.9)   | 0.0006224 (0.0004848, 0.0007865) | 0.14188 (0.12442, 0.16094) |
| Bali     | Ischemic heart disease                        | 45  | 108.5 (85.5, 135.1)  | 0.0008219 (0.0006472, 0.0010233) | 0.16362 (0.14389, 0.18237) | 67.0 (51.9, 85.8)    | 0.0005223 (0.0004047, 0.0006687) | 0.11908 (0.10314, 0.13477) |
| Bali     | Other cardiovascular and circulatory diseases | 45  | 15.3 (10.5, 22.2)    | 0.0001161 (0.0000792, 0.0001684) | 0.02309 (0.01694, 0.03081) | 18.5 (12.8, 26.2)    | 0.0001441 (0.0000999, 0.0002040) | 0.03282 (0.02431, 0.04354) |
| Bali     | Diabetes mellitus                             | 45  | 52.3 (38.4, 68.6)    | 0.0003958 (0.0002909, 0.0005193) | 0.07873 (0.06448, 0.09479) | 50.0 (36.5, 66.6)    | 0.0003901 (0.0002848, 0.0005188) | 0.0889 (0.07138, 0.10888)  |
| Bali     | Chronic kidney disease                        | 45  | 27.8 (19.2, 38.6)    | 0.0002104 (0.0001458, 0.0002927) | 0.04188 (0.03104, 0.05404) | 68.8 (11.2, 24.7)    | 0.0001313 (0.0000872, 0.0001929) | 0.02994 (0.02101, 0.04163) |
| Bali     | Cirrhosis                                     | 45  | 37.0 (26.0, 52.2)    | 0.0002805 (0.0001968, 0.0003951) | 0.05584 (0.04174, 0.07316) | 25.4 (17.2, 35.8)    | 0.000198 (0.0001343, 0.0002792)  | 0.04512 (0.03294, 0.06018) |
| Bali     | Chronic respiratory diseases                  | 45  | 38.7 (27.9, 51.3)    | 0.0002933 (0.0002111, 0.0003886) | 0.05834 (0.04547, 0.07239) | 20.8 (14.8, 28.2)    | 0.0001625 (0.0001150, 0.0002195) | 0.03703 (0.02874, 0.04591) |
| Bali     | Other non-communicable diseases               | 45  | 37.9 (28.5, 49.5)    | 0.0002867 (0.0002162, 0.0003751) | 0.05705 (0.04752, 0.06815) | 37.4 (28.3, 48.4)    | 0.0002913 (0.0002206, 0.0003774) | 0.06642 (0.05578, 0.07872) |
| Bali     | Drowning                                      | 45  | 1.8 (0.4, 4.6)       | 0.0000136 (0.0000034, 0.0000347) | 0.00271 (0.00071, 0.00682) | 1.5 (0.4, 4.0)       | 0.0000117 (0.0000031, 0.0000310) | 0.00265 (0.00071, 0.00682) |
| Bali     | Falls                                         | 45  | 9.8 (5.2, 16.5)      | 0.0000743 (0.0000395, 0.0001251) | 0.0148 (0.00802, 0.02411)  | 8.2 (4.4, 13.2)      | 0.000064 (0.0000342, 0.0001031)  | 0.01459 (0.00826, 0.02302) |
| Bali     | Interpersonal violence                        | 45  | 4.0 (1.2, 9.6)       | 0.0000305 (0.0000094, 0.0000726) | 0.00608 (0.00188, 0.01431) | 2.3 (0.7, 5.9)       | 0.0000177 (0.0000054, 0.0000462) | 0.00406 (0.00121, 0.01046) |
| Bali     | Self-harm                                     | 45  | 13.2 (7.0, 23.0)     | 0.0001 (0.0000531, 0.0001739)    | 0.01991 (0.01110, 0.03261) | 5.6 (2.7, 10.1)      | 0.0000434 (0.0000208, 0.0000785) | 0.00991 (0.00477, 0.01707) |
| Bali     | Transport injuries                            | 45  | 23.9 (14.7, 35.5)    | 0.0001807 (0.0001114, 0.0002691) | 0.03596 (0.02379, 0.05024) | 11.7 (7.0, 18.0)     | 0.000091 (0.0000545, 0.0001403)  | 0.02075 (0.01289, 0.02994) |
| Bali     | Other unintentional injuries                  | 45  | 18.2 (11.0, 27.8)    | 0.0001376 (0.0000834, 0.0002107) | 0.02742 (0.01723, 0.04037) | 8.9 (5.1, 13.9)      | 0.000069 (0.0000396, 0.0001084)  | 0.01574 (0.00953, 0.02375) |
| Bali     | Diarrheal diseases                            | 50  | 11.4 (7.0, 17.0)     | 0.00011 (0.0000674, 0.0001637)   | 0.01436 (0.00939, 0.02003) | 14.6 (9.6, 20.8)     | 0.0001395 (0.0000920, 0.0001988) | 0.02116 (0.01457, 0.02835) |
| Bali     | HIV/AIDS                                      | 50  | 4.1 (1.7, 8.2)       | 0.000039 (0.0000165, 0.0000786)  | 0.00509 (0.00225, 0.00999) | 3.7 (1.5, 7.2)       | 0.0000352 (0.0000141, 0.0000692) | 0.00534 (0.00228, 0.01053) |
| Bali     | Lower respiratory infections                  | 50  | 14.0 (9.0, 20.4)     | 0.0001346 (0.0000868, 0.0001962) | 0.01756 (0.01211, 0.02439) | 14.0 (9.3, 20.3)     | 0.0001338 (0.0000885, 0.0001942) | 0.02027 (0.01423, 0.02772) |
| Bali     | Malaria                                       | 50  | 0.5 (0.0, 2.1)       | 0.0000048 (0.0000003, 0.0000205) | 0.00063 (0.00005, 0.00272) | 0.3 (0.0, 1.3)       | 0.0000027 (0.0000002, 0.0000122) | 0.00041 (0.00026, 0.00190) |
| Bali     | Tuberculosis                                  | 50  | 43.1 (30.8, 59.0)    | 0.0004146 (0.0002961, 0.0005684) | 0.05409 (0.04265, 0.06595) | 24.4 (16.6, 32.8)    | 0.0002334 (0.0001586, 0.0003131) | 0.03539 (0.02621, 0.04502) |
| Bali     | Maternal disorders                            | 50  |                      |                                  |                            | 1.1 (0.3, 2.8)       | 0.0000109 (0.0000029, 0.0000264) | 0.00165 (0.00047, 0.00396) |
| Bali     | Other communicable diseases                   | 50  | 22.1 (15.2, 31.1)    | 0.0002129 (0.0001468, 0.0002993) | 0.0278 (0.02051, 0.03629)  | 22.6 (15.9, 30.4)    | 0.0002154 (0.0001520, 0.0002906) | 0.03268 (0.02449, 0.04208) |
| Bali     | Tracheal, bronchus, and lung cancer           | 50  | 30.6 (19.3, 44.7)    | 0.0002946 (0.0001857, 0.0004306) | 0.03848 (0.02583, 0.05383) | 11.7 (7.0, 18.6)     | 0.0001113 (0.0000672, 0.0001773) | 0.0169 (0.01095, 0.02568)  |
| Bali     | Breast cancer                                 | 50  | 1.0 (0.4, 1.9)       | 0.0000095 (0.0000039, 0.0000184) | 0.00124 (0.00055, 0.00239) | 34.1 (21.4, 51.3)    | 0.0003253 (0.0002042, 0.0004901) | 0.04936 (0.03180, 0.06971) |
| Bali     | Cervical cancer                               | 50  |                      |                                  |                            | 52.8 (35.1, 75.0)    | 0.0005041 (0.0003354, 0.0007161) | 0.07637 (0.05464, 0.10116) |
| Bali     | Other malignant neoplasms                     | 50  | 85.2 (62.9, 112.0)   | 0.0008204 (0.0006051, 0.0010782) | 0.10711 (0.08952, 0.12651) | 43.7 (30.4, 60.6)    | 0.0004173 (0.0002898, 0.0005782) | 0.06327 (0.04655, 0.08194) |
| Bali     | Cerebrovascular disease                       | 50  | 113.2 (87.1, 144.7)  | 0.0010899 (0.0008381, 0.0013934) | 0.14228 (0.12434, 0.15897) | 120.4 (93.8, 150.6)  | 0.0011491 (0.0008959, 0.0014376) | 0.17423 (0.15411, 0.19402) |
| Bali     | Ischemic heart disease                        | 50  | 143.7 (110.9, 186.2) | 0.0013837 (0.0010672, 0.0017926) | 0.18063 (0.16162, 0.20074) | 88.8 (68.8, 112.7)   | 0.0008478 (0.0006568, 0.0010761) | 0.12853 (0.11170, 0.14561) |
| Bali     | Other cardiovascular and circulatory diseases | 50  | 21.3 (14.3, 30.4)    | 0.0002051 (0.0001375, 0.0002928) | 0.02675 (0.01965, 0.03487) | 26.8 (18.8, 37.9)    | 0.0002557 (0.0001798, 0.0003616) | 0.03875 (0.02946, 0.05071) |
| Bali     | Diabetes mellitus                             | 50  | 73.0 (53.9, 99.3)    | 0.0007033 (0.0005191, 0.0009557) | 0.09176 (0.07742, 0.10921) | 72.7 (53.1, 96.3)    | 0.0006938 (0.0005074, 0.0009191) | 0.10515 (0.08498, 0.12587) |
| Bali     | Chronic kidney disease                        | 50  | 30.1 (20.8, 43.1)    | 0.0002898 (0.0002003, 0.0004146) | 0.03782 (0.02870, 0.04865) | 19.1 (12.7, 28.8)    | 0.0001825 (0.0001210, 0.0002753) | 0.02767 (0.01934, 0.03849) |
| Bali     | Cirrhosis                                     | 50  | 42.8 (29.8, 61.5)    | 0.0004125 (0.0002868, 0.0005917) | 0.05385 (0.03976, 0.07041) | 30.1 (20.9, 42.5)    | 0.0002875 (0.0001998, 0.0004056) | 0.04357 (0.03207, 0.05778) |
| Bali     | Chronic respiratory diseases                  | 50  | 50.5 (35.9, 68.2)    | 0.0004859 (0.0003454, 0.0006567) | 0.06339 (0.05071, 0.07678) | 31.4 (23.1, 41.6)    | 0.0002995 (0.0002203, 0.0003974) | 0.04539 (0.03578, 0.05512) |
| Bali     | Other non-communicable diseases               | 50  | 43.3 (32.0, 57.5)    | 0.0004166 (0.0003083, 0.0005532) | 0.05437 (0.04562, 0.06437) | 44.0 (33.1, 56.7)    | 0.0004199 (0.0003162, 0.0005414) | 0.06366 (0.05353, 0.07516) |
| Bali     | Drowning                                      | 50  | 1.6 (0.4, 3.9)       | 0.0000153 (0.0000040, 0.0000375) | 0.00199 (0.00054, 0.00499) | 1.2 (0.3, 3.3)       | 0.0000116 (0.0000029, 0.0000314) | 0.00175 (0.00045, 0.00435) |
| Bali     | Falls                                         | 50  | 13.0 (7.4, 20.8)     | 0.0001248 (0.0000717, 0.0001998) | 0.01629 (0.00987, 0.02506) | 10.1 (5.8, 16.1)     | 0.0000961 (0.0000558, 0.0001537) | 0.01457 (0.00925, 0.02210) |
| Bali     | Interpersonal violence                        | 50  | 3.1 (1.0, 7.6)       | 0.0000302 (0.0000097, 0.0000727) | 0.00393 (0.00123, 0.00949) | 1.7 (0.5, 4.4)       | 0.0000166 (0.0000050, 0.0000424) | 0.00253 (0.00075, 0.00660) |
| Bali     | Self-harm                                     | 50  | 11.3 (5.7, 19.9)     | 0.0001084 (0.0000552, 0.0001915) | 0.01415 (0.00740, 0.02361) | 4.7 (2.2, 8.8)       | 0.0000447 (0.0000208, 0.0000836) | 0.00678 (0.00323, 0.01246) |
| Bali     | Transport injuries                            | 50  | 20.9 (12.7, 32.2)    | 0.0002015 (0.0001220, 0.0003104) | 0.02629 (0.01706, 0.03818) | 9.6 (5.7, 14.8)      | 0.0000916 (0.0000545, 0.0001415) | 0.01388 (0.00842, 0.02056) |
| Bali     | Other unintentional injuries                  | 50  | 16.0 (9.6, 24.9)     | 0.0001539 (0.0000921, 0.0002397) | 0.02013 (0.01244, 0.03032) | 7.4 (4.1, 11.6)      | 0.0000709 (0.0000396, 0.0001108) | 0.01075 (0.00648, 0.01635) |
| Bali     | Diarrheal diseases                            | 55  | 14.7 (8.9, 21.9)     | 0.0001737 (0.0001052, 0.0002595) | 0.01537 (0.01032, 0.02117) | 18.6 (12.2, 25.7)    | 0.000224 (0.0001476, 0.0003103)  | 0.02248 (0.01588, 0.02998) |
| Bali     | HIV/AIDS                                      | 55  | 2.0 (0.7, 4.3)       | 0.0000237 (0.0000086, 0.0000506) | 0.00209 (0.00080, 0.00430) | 1.8 (0.6, 3.8)       | 0.0000216 (0.0000077, 0.0000463) | 0.00216 (0.00077, 0.00459) |
| Bali     | Lower respiratory infections                  | 55  | 17.4 (11.2, 25.9)    | 0.0002055 (0.0001327, 0.0003063) | 0.01819 (0.01267, 0.02452) | 17.5 (11.7, 24.7)    | 0.0002105 (0.0001415, 0.0002983) | 0.02111 (0.01514, 0.02763) |
| Bali     | Malaria                                       | 55  | 0.6 (0.0, 2.2)       | 0.0000067 (0.0000005, 0.0000266) | 0.00059 (0.00004, 0.00244) | 0.3 (0.0, 1.5)       | 0.0000036 (0.0000002, 0.0000179) | 0.00036 (0.00002, 0.00172) |
| Bali     | Tuberculosis                                  | 55  | 43.5 (29.8, 60.9)    | 0.0005143 (0.0003529, 0.0007208) | 0.04548 (0.03557, 0.05605) | 23.5 (16.1, 31.8)    | 0.0002832 (0.0001936, 0.0003837) | 0.02842 (0.02102, 0.03650) |
| Bali     | Other communicable diseases                   | 55  | 25.3 (17.1, 36.7)    | 0.0002989 (0.0002027, 0.0004340) | 0.02646 (0.01958, 0.03476) | 25.9 (18.4, 36.1)    | 0.0003121 (0.0002217, 0.0004357) | 0.03132 (0.02362, 0.04088) |
| Bali     | Tracheal, bronchus, and lung cancer           | 55  | 32.9 (21.1, 49.5)    | 0.0003896 (0.0002499, 0.0005862) | 0.03451 (0.02353, 0.04810) | 11.2 (6.8, 17.5)     | 0.0001346 (0.0000823, 0.0002115) | 0.01352 (0.00857, 0.02064) |
| Bali     | Breast cancer                                 | 55  | 0.9 (0.4, 1.8)       | 0.0000112 (0.0000047, 0.0000208) | 0.00099 (0.00044, 0.00188) | 30.3 (18.5, 45.8)    | 0.0003648 (0.0002231, 0.0005521) | 0.03664 (0.02287, 0.05311) |
| Bali     | Cervical cancer                               | 55  |                      |                                  |                            | 47.4 (30.8, 68.0)    | 0.000571 (0.0003716, 0.0008199)  | 0.05725 (0.03969, 0.07766) |
| Bali     | Other malignant neoplasms                     | 55  | 79.6 (57.6, 106.8)   | 0.0009421 (0.0006811, 0.0012635) | 0.08337 (0.06947, 0.09888) | 47.0 (32.8, 64.5)    | 0.0005668 (0.0003952, 0.0007780) | 0.05688 (0.04179, 0.07417) |
| Bali     | Cerebrovascular disease                       | 55  | 161.5 (122.2, 210.2) | 0.001912 (0.0014467, 0.0024876)  | 0.16924 (0.14989, 0.18873) | 172.5 (135.9, 210.3) | 0.0020792 (0.0016391, 0.0025357) | 0.20865 (0.18818, 0.22959) |
| Bali     | Ischemic heart disease                        | 55  | 192.7 (148.8, 251.7) | 0.0022808 (0.0017614, 0.0029785) | 0.20182 (0.01123, 0.22283) | 118.8 (92.3, 148.1)  | 0.0014328 (0.0011123, 0.0017852) | 0.14376 (0.12602, 0.16166) |
| Bali     | Other cardiovascular and circulatory diseases | 55  | 29.0 (19.4, 41.5)    | 0.0003433 (0.0002291, 0.0004908) | 0.03036 (0.02283, 0.03881) | 36.2 (25.5, 50.4)    | 0.000437 (0.0003078, 0.0006081)  | 0.04384 (0.03373, 0.05741) |
| Bali     | Diabetes mellitus                             | 55  | 92.4 (68.8, 125.5)   | 0.0010935 (0.0008148, 0.0014852) | 0.09676 (0.08143, 0.11480) | 91.8 (67.2, 118.4)   | 0.0011064 (0.0008108, 0.0014278) | 0.11099 (0.09133, 0.13197) |
| Bali     | Chronic kidney disease                        | 55  | 34.3 (23.5, 49.6)    | 0.0004061 (0.0002779, 0.0005875) | 0.03593 (0.02727, 0.04617) | 21.5 (14.3, 31.5)    | 0.0002593 (0.0001724, 0.0003797) | 0.02601 (0.01832, 0.03630) |
| Bali     | Cirrhosis                                     | 55  | 47.1 (32.3, 67.4)    | 0.000558 (0.0003828, 0.0007978)  | 0.04937 (0.03674, 0.06460) | 33.8 (23.3, 46.4)    | 0.0004078 (0.0002811, 0.0005600) | 0.0409 (0.02982, 0.05417)  |
| Bali     | Chronic respiratory diseases                  | 55  | 65.3 (46.9, 88.0)    | 0.0007728 (0.0005552, 0.0010413) | 0.06835 (0.05567, 0.08262) | 40.5 (30.2, 52.5)    | 0.0004879 (0.0003637, 0.0006336) | 0.04895 (0.03967, 0.05973) |
| Bali     | Other non-communicable diseases               | 55  | 54.4 (40.6, 73.8)    | 0.0006437 (0.0004805, 0.0008734) | 0.05694 (0.04754, 0.06767) | 55.4 (41.6, 70.5)    | 0.000668 (0.0005016, 0.0008503)  | 0.06703 (0.05599, 0.07937) |
| Bali     | Drowning                                      | 55  | 1.4 (0.4, 3.9)       | 0.0000165 (0.0000043, 0.0000461) | 0.00145 (0.00040, 0.00386) | 1.1 (0.3, 2.9)       | 0.0000132 (0.0000033, 0.0000352) | 0.00132 (0.00035, 0.00342) |
| Bali     | Falls                                         | 55  | 16.3 (9.2, 25.9)     | 0.0001924 (0.0001091, 0.0003066) | 0.01703 (0.01023, 0.02522) | 12.7 (7.6, 19.3)     | 0.0001533 (0.0000918, 0.0002332) | 0.01538 (0.00964, 0.02306) |
| Bali     | Interpersonal violence                        | 55  | 2.6 (0.8, 6.2)       | 0.0000309 (0.0000094, 0.0000738) | 0.00273 (0.00082, 0.00647) | 1.4 (0.4, 3.3)       | 0.0000163 (0.0000046, 0.0000403) | 0.00164 (0.00047, 0.00422) |

# Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Self-harm                                     | 55  | 10.6 (5.3, 19.3)     | 0.0001254 (0.0000624, 0.0002282) | 0.0111 (0.00567, 0.01871)  | 4.0 (1.8, 7.6)       | 0.0000488 (0.0000215, 0.0000916) | 0.0049 (0.00220, 0.00911)  |
| Bali     | Transport injuries                            | 55  | 15.9 (9.1, 25.2)     | 0.000188 (0.0001076, 0.0002979)  | 0.01663 (0.01027, 0.02487) | 7.1 (4.0, 11.2)      | 0.000086 (0.0000488, 0.0001351)  | 0.00864 (0.00497, 0.01345) |
| Bali     | Other unintentional injuries                  | 55  | 14.5 (8.5, 23.6)     | 0.0001718 (0.0001004, 0.0002795) | 0.01523 (0.00924, 0.02341) | 6.5 (3.5, 10.4)      | 0.0000782 (0.0000419, 0.0001253) | 0.00785 (0.00460, 0.01254) |
| Bali     | Diarrheal diseases                            | 60  | 21.5 (13.7, 32.7)    | 0.0003372 (0.0002154, 0.0005122) | 0.01781 (0.01246, 0.02471) | 27.4 (19.2, 37.4)    | 0.0003996 (0.0002795, 0.0005449) | 0.02561 (0.01846, 0.03396) |
| Bali     | HIV/AIDS                                      | 60  | 1.7 (0.6, 3.8)       | 0.0000271 (0.0000086, 0.0000599) | 0.00143 (0.00048, 0.00319) | 1.6 (0.5, 3.6)       | 0.0000229 (0.0000066, 0.0000520) | 0.00146 (0.00044, 0.00332) |
| Bali     | Lower respiratory infections                  | 60  | 30.6 (20.6, 44.6)    | 0.0004799 (0.0003231, 0.0007001) | 0.02538 (0.01913, 0.03377) | 32.3 (23.2, 43.2)    | 0.0004707 (0.0003385, 0.0006302) | 0.03015 (0.02286, 0.03937) |
| Bali     | Malaria                                       | 60  | 0.7 (0.0, 2.9)       | 0.0000109 (0.0000007, 0.0000460) | 0.00058 (0.00004, 0.00248) | 0.4 (0.0, 1.8)       | 0.0000053 (0.0000003, 0.0000260) | 0.00034 (0.00002, 0.00161) |
| Bali     | Tuberculosis                                  | 60  | 59.2 (41.4, 83.4)    | 0.0009291 (0.0006489, 0.0013082) | 0.04908 (0.03878, 0.05955) | 33.0 (23.0, 43.8)    | 0.0004815 (0.0003349, 0.0006388) | 0.03085 (0.02289, 0.03939) |
| Bali     | Other communicable diseases                   | 60  | 27.3 (18.5, 39.7)    | 0.0004284 (0.0002895, 0.0006220) | 0.02267 (0.01672, 0.03013) | 28.5 (20.0, 39.1)    | 0.0004154 (0.0002919, 0.0005704) | 0.02662 (0.01967, 0.03501) |
| Bali     | Tracheal, bronchus, and lung cancer           | 60  | 35.5 (22.2, 54.6)    | 0.0005572 (0.0003477, 0.0008560) | 0.0295 (0.01966, 0.04188)  | 12.5 (7.7, 20.1)     | 0.0001825 (0.0001116, 0.0002929) | 0.0117 (0.00726, 0.01810)  |
| Bali     | Breast cancer                                 | 60  | 0.9 (0.4, 1.8)       | 0.0000138 (0.0000058, 0.0000277) | 0.00073 (0.00032, 0.00139) | 25.7 (14.8, 39.4)    | 0.0003752 (0.0002165, 0.0005752) | 0.02405 (0.01414, 0.03623) |
| Bali     | Cervical cancer                               | 60  |                      |                                  |                            | 46.8 (30.0, 67.9)    | 0.0006832 (0.0004379, 0.0009896) | 0.04374 (0.02937, 0.06060) |
| Bali     | Other malignant neoplasms                     | 60  | 89.9 (65.5, 121.9)   | 0.0014103 (0.0010268, 0.0019114) | 0.07458 (0.06181, 0.08795) | 58.8 (41.6, 78.8)    | 0.000857 (0.0006067, 0.0011484)  | 0.05493 (0.04048, 0.07177) |
| Bali     | Cerebrovascular disease                       | 60  | 224.3 (172.2, 297.0) | 0.0035179 (0.0027004, 0.0046586) | 0.18601 (0.16691, 0.20484) | 248.6 (203.0, 291.7) | 0.0036258 (0.0029599, 0.0042536) | 0.23233 (0.20980, 0.25344) |
| Bali     | Ischemic heart disease                        | 60  | 230.3 (178.5, 301.5) | 0.003613 (0.0028000, 0.0047294)  | 0.19102 (0.17164, 0.21055) | 154.4 (123.1, 185.4) | 0.0022522 (0.0017956, 0.0027030) | 0.14431 (0.12746, 0.16251) |
| Bali     | Other cardiovascular and circulatory diseases | 60  | 39.7 (27.1, 57.2)    | 0.0006233 (0.0004250, 0.0008977) | 0.03293 (0.02508, 0.04219) | 49.4 (36.3, 66.4)    | 0.000721 (0.0005294, 0.0009680)  | 0.04618 (0.03611, 0.05990) |
| Bali     | Diabetes mellitus                             | 60  | 100.1 (73.1, 138.4)  | 0.0015696 (0.0011464, 0.0021703) | 0.08296 (0.06871, 0.09927) | 103.3 (78.1, 131.1)  | 0.0015068 (0.0011387, 0.0019116) | 0.09651 (0.07924, 0.11617) |
| Bali     | Chronic kidney disease                        | 60  | 37.4 (25.6, 54.5)    | 0.0005862 (0.0004017, 0.0008547) | 0.03098 (0.02349, 0.04006) | 24.1 (16.1, 34.9)    | 0.0003512 (0.0002349, 0.0005083) | 0.0225 (0.01587, 0.03143)  |
| Bali     | Cirrhosis                                     | 60  | 51.4 (35.4, 75.5)    | 0.0008067 (0.0005559, 0.0011839) | 0.04264 (0.03165, 0.05590) | 38.8 (21.1, 53.0)    | 0.0005663 (0.0003948, 0.0007732) | 0.03627 (0.02659, 0.04812) |
| Bali     | Chronic respiratory diseases                  | 60  | 114.0 (84.9, 152.6)  | 0.0017876 (0.0013322, 0.0023934) | 0.09447 (0.07907, 0.11067) | 68.7 (53.1, 85.1)    | 0.0010012 (0.0007744, 0.0012415) | 0.06415 (0.05270, 0.07628) |
| Bali     | Other non-communicable diseases               | 60  | 76.6 (56.9, 104.2)   | 0.0012021 (0.0008926, 0.0016338) | 0.06353 (0.05384, 0.07441) | 79.6 (62.3, 98.1)    | 0.0011611 (0.0009079, 0.0014311) | 0.0744 (0.06255, 0.08778)  |
| Bali     | Drowning                                      | 60  | 1.5 (0.4, 4.3)       | 0.000024 (0.0000066, 0.0000668)  | 0.00127 (0.00036, 0.00360) | 1.3 (0.3, 3.7)       | 0.0000188 (0.0000048, 0.0000544) | 0.0012 (0.00031, 0.00343)  |
| Bali     | Falls                                         | 60  | 19.0 (10.9, 29.9)    | 0.0002982 (0.0001708, 0.0004694) | 0.01577 (0.00962, 0.02346) | 15.4 (9.4, 23.1)     | 0.0002251 (0.0001372, 0.0003365) | 0.01441 (0.00918, 0.02104) |
| Bali     | Interpersonal violence                        | 60  | 2.1 (0.6, 5.1)       | 0.0000332 (0.0000097, 0.0000796) | 0.00175 (0.00051, 0.00414) | 1.1 (0.3, 2.9)       | 0.000016 (0.0000042, 0.0000422)  | 0.00103 (0.00027, 0.00277) |
| Bali     | Self-harm                                     | 60  | 9.6 (4.7, 17.0)      | 0.0001498 (0.0000743, 0.0002663) | 0.00792 (0.00402, 0.01336) | 3.6 (1.5, 6.9)       | 0.0000522 (0.0000216, 0.0001007) | 0.00335 (0.00142, 0.00652) |
| Bali     | Transport injuries                            | 60  | 17.6 (10.3, 28.2)    | 0.0002765 (0.0001610, 0.0004429) | 0.01461 (0.00931, 0.02191) | 8.1 (4.6, 13.3)      | 0.0001186 (0.0000666, 0.0001942) | 0.0076 (0.00438, 0.01239)  |
| Bali     | Other unintentional injuries                  | 60  | 14.9 (8.7, 24.0)     | 0.0002339 (0.0001359, 0.0003770) | 0.0124 (0.00760, 0.01895)  | 6.7 (3.7, 11.1)      | 0.0000983 (0.0000534, 0.0001625) | 0.0063 (0.00348, 0.01041)  |
| Bali     | Diarrheal diseases                            | 65  | 41.6 (27.6, 61.3)    | 0.0007908 (0.0005252, 0.0011653) | 0.0292 (0.02137, 0.03775)  | 48.5 (35.7, 62.5)    | 0.0009214 (0.0006781, 0.0011877) | 0.03926 (0.02990, 0.04937) |
| Bali     | HIV/AIDS                                      | 65  | 1.8 (0.7, 3.9)       | 0.0000351 (0.0000130, 0.0000750) | 0.0013 (0.00048, 0.00273)  | 1.6 (0.5, 3.6)       | 0.00003 (0.0000100, 0.0000682)   | 0.00128 (0.00043, 0.00282) |
| Bali     | Lower respiratory infections                  | 65  | 43.0 (28.8, 63.2)    | 0.000817 (0.0005476, 0.0012006)  | 0.03022 (0.02230, 0.03928) | 42.0 (30.3, 55.3)    | 0.0007978 (0.0005751, 0.0010513) | 0.03398 (0.02601, 0.04313) |
| Bali     | Malaria                                       | 65  | 0.7 (0.0, 3.3)       | 0.0000142 (0.0000009, 0.0000623) | 0.00053 (0.00004, 0.00242) | 0.4 (0.0, 1.7)       | 0.0000069 (0.0000004, 0.0000326) | 0.00029 (0.00002, 0.00143) |
| Bali     | Tuberculosis                                  | 65  | 66.1 (45.6, 97.1)    | 0.0012562 (0.0008664, 0.0018453) | 0.04642 (0.03598, 0.05778) | 34.6 (24.1, 46.7)    | 0.0006572 (0.0004579, 0.0008870) | 0.028 (0.02057, 0.03663)   |
| Bali     | Other communicable diseases                   | 65  | 32.3 (21.1, 48.8)    | 0.0006128 (0.0004004, 0.0009273) | 0.02267 (0.01635, 0.03044) | 30.7 (21.3, 42.5)    | 0.0005841 (0.0004051, 0.0008068) | 0.02488 (0.01757, 0.03349) |
| Bali     | Tracheal, bronchus, and lung cancer           | 65  | 37.1 (23.9, 57.9)    | 0.0007056 (0.0004542, 0.0010997) | 0.02613 (0.01779, 0.03685) | 10.8 (6.5, 17.9)     | 0.0002045 (0.0001242, 0.0003394) | 0.00872 (0.00523, 0.01399) |
| Bali     | Breast cancer                                 | 65  | 0.7 (0.3, 1.3)       | 0.0000124 (0.0000048, 0.0000246) | 0.00046 (0.00018, 0.00089) | 19.8 (11.1, 31.6)    | 0.000377 (0.0002112, 0.0005997)  | 0.01607 (0.00902, 0.02483) |
| Bali     | Cervical cancer                               | 65  |                      |                                  |                            | 35.7 (22.2, 53.2)    | 0.0006787 (0.0004216, 0.0010117) | 0.0289 (0.01837, 0.04193)  |
| Bali     | Other malignant neoplasms                     | 65  | 81.1 (57.9, 110.8)   | 0.0015412 (0.0010996, 0.0021058) | 0.05701 (0.04690, 0.06752) | 64.8 (46.9, 84.4)    | 0.0012313 (0.0008913, 0.0016038) | 0.05246 (0.03894, 0.06678) |
| Bali     | Cerebrovascular disease                       | 65  | 290.2 (221.5, 387.7) | 0.0055133 (0.0042084, 0.0073653) | 0.20387 (0.18443, 0.22301) | 313.6 (259.9, 363.7) | 0.005959 (0.0049370, 0.0069094)  | 0.25386 (0.23021, 0.27644) |
| Bali     | Ischemic heart disease                        | 65  | 269.2 (204.8, 356.5) | 0.0051149 (0.0038905, 0.0067724) | 0.18914 (0.16897, 0.20890) | 176.1 (140.2, 212.4) | 0.0033451 (0.0026644, 0.0040348) | 0.14248 (0.12399, 0.16105) |
| Bali     | Other cardiovascular and circulatory diseases | 65  | 52.3 (35.1, 77.8)    | 0.0009935 (0.0006662, 0.0014775) | 0.0367 (0.02832, 0.04700)  | 63.9 (46.5, 85.7)    | 0.0012149 (0.0008828, 0.0016287) | 0.05174 (0.03975, 0.06688) |
| Bali     | Diabetes mellitus                             | 65  | 94.5 (68.4, 134.0)   | 0.001796 (0.0012995, 0.0025454)  | 0.06639 (0.05467, 0.07924) | 97.4 (74.5, 124.6)   | 0.0018505 (0.0014145, 0.0023667) | 0.0788 (0.06430, 0.09583)  |
| Bali     | Chronic kidney disease                        | 65  | 39.9 (26.9, 58.7)    | 0.0007586 (0.0005119, 0.0011143) | 0.02806 (0.02119, 0.03620) | 25.7 (17.6, 36.9)    | 0.0004875 (0.0003341, 0.0007003) | 0.02077 (0.01459, 0.02918) |
| Bali     | Cirrhosis                                     | 65  | 50.2 (33.7, 75.0)    | 0.0009542 (0.0006410, 0.0014248) | 0.03528 (0.02592, 0.04775) | 37.4 (26.5, 51.7)    | 0.0007111 (0.0005028, 0.0009820) | 0.03029 (0.02148, 0.04073) |
| Bali     | Chronic respiratory diseases                  | 65  | 146.1 (107.1, 197.2) | 0.0027761 (0.0020341, 0.0037472) | 0.10261 (0.08623, 0.11922) | 87.2 (67.9, 107.1)   | 0.0016563 (0.0012903, 0.0020354) | 0.07056 (0.05745, 0.08411) |
| Bali     | Other non-communicable diseases               | 65  | 104.6 (77.0, 143.5)  | 0.0019871 (0.0014623, 0.0027262) | 0.07346 (0.06189, 0.08536) | 106.5 (85.0, 129.4)  | 0.0020228 (0.0016159, 0.0024577) | 0.08617 (0.07327, 0.10053) |
| Bali     | Drowning                                      | 65  | 1.8 (0.4, 5.2)       | 0.0000333 (0.0000084, 0.0000983) | 0.00123 (0.00033, 0.00347) | 1.4 (0.3, 4.3)       | 0.0000258 (0.0000062, 0.0000809) | 0.0011 (0.00027, 0.00336)  |
| Bali     | Falls                                         | 65  | 25.8 (15.1, 40.4)    | 0.0004893 (0.0002867, 0.0007670) | 0.0181 (0.01121, 0.02602)  | 19.2 (12.1, 29.0)    | 0.0003655 (0.0002291, 0.0005502) | 0.01557 (0.01017, 0.02236) |
| Bali     | Interpersonal violence                        | 65  | 1.7 (0.5, 4.6)       | 0.0000332 (0.0000092, 0.0000867) | 0.00122 (0.00035, 0.00303) | 0.9 (0.2, 2.5)       | 0.0000163 (0.0000040, 0.0000476) | 0.0007 (0.00017, 0.00202)  |
| Bali     | Self-harm                                     | 65  | 8.8 (4.1, 16.8)      | 0.0001668 (0.0000770, 0.0003192) | 0.00617 (0.00319, 0.01072) | 3.1 (1.3, 6.5)       | 0.0000591 (0.0000241, 0.0001226) | 0.00252 (0.00105, 0.00515) |
| Bali     | Transport injuries                            | 65  | 18.0 (10.2, 30.2)    | 0.0003428 (0.0001933, 0.0005732) | 0.01267 (0.00781, 0.01916) | 7.7 (4.2, 12.8)      | 0.0001462 (0.0000791, 0.0002424) | 0.00623 (0.00339, 0.01034) |
| Bali     | Other unintentional injuries                  | 65  | 15.8 (8.9, 26.5)     | 0.0003011 (0.0001697, 0.0005030) | 0.01117 (0.00671, 0.01731) | 6.7 (3.5, 11.2)      | 0.0001267 (0.0000667, 0.0002123) | 0.0054 (0.00292, 0.00908)  |
| Bali     | Diarrheal diseases                            | 70  | 58.1 (39.9, 86.4)    | 0.0017086 (0.0011730, 0.0025400) | 0.03999 (0.03113, 0.05003) | 75.6 (58.6, 94.5)    | 0.0019099 (0.0014809, 0.0023861) | 0.05039 (0.04017, 0.06149) |
| Bali     | HIV/AIDS                                      | 70  | 2.4 (0.8, 5.1)       | 0.0000691 (0.0000248, 0.0001488) | 0.00162 (0.00061, 0.00333) | 2.3 (0.8, 5.1)       | 0.0000583 (0.0000197, 0.0001285) | 0.00154 (0.00052, 0.00339) |
| Bali     | Lower respiratory infections                  | 70  | 54.1 (37.5, 80.1)    | 0.0015918 (0.0011029, 0.0023561) | 0.03728 (0.02876, 0.04806) | 61.4 (45.9, 79.2)    | 0.0015503 (0.0011583, 0.0020008) | 0.0409 (0.03202, 0.05187)  |
| Bali     | Malaria                                       | 70  | 0.7 (0.0, 2.9)       | 0.0000192 (0.0000012, 0.0000866) | 0.00045 (0.00003, 0.00209) | 0.4 (0.0, 1.7)       | 0.0000091 (0.0000005, 0.0000440) | 0.00024 (0.00001, 0.00119) |
| Bali     | Tuberculosis                                  | 70  | 63.7 (42.6, 92.5)    | 0.0018719 (0.0012519, 0.0027212) | 0.04382 (0.03378, 0.05525) | 40.0 (28.2, 54.5)    | 0.0010113 (0.0007127, 0.0013760) | 0.02668 (0.01923, 0.03486) |
| Bali     | Other communicable diseases                   | 70  | 33.9 (22.5, 52.0)    | 0.0009959 (0.0006602, 0.0015278) | 0.02336 (0.01689, 0.03110) | 35.9 (25.3, 49.9)    | 0.0009068 (0.0006382, 0.0012600) | 0.02393 (0.01703, 0.03237) |
| Bali     | Tracheal, bronchus, and lung cancer           | 70  | 31.7 (19.6, 50.4)    | 0.000932 (0.0005776, 0.0014814)  | 0.02187 (0.01463, 0.03146) | 10.6 (6.3, 17.5)     | 0.000267 (0.0001591, 0.0004408)  | 0.00705 (0.00418, 0.01154) |
| Bali     | Breast cancer                                 | 70  | 0.4 (0.2, 1.0)       | 0.000013 (0.0000045, 0.0000286)  | 0.0003 (0.00012, 0.00064)  | 14.7 (8.2, 23.6)     | 0.0003701 (0.0002081, 0.0005963) | 0.00977 (0.00553, 0.01540) |
| Bali     | Cervical cancer                               | 70  |                      |                                  |                            | 25.1 (14.5, 38.7)    | 0.0006339 (0.0003667, 0.0009764) | 0.01672 (0.00994, 0.02507) |
| Bali     | Other malignant neoplasms                     | 70  | 62.7 (44.1, 87.6)    | 0.0018429 (0.0012981, 0.0025758) | 0.04317 (0.03538, 0.05194) | 64.4 (47.4, 81.6)    | 0.0016259 (0.0011959, 0.0020605) | 0.0429 (0.03214, 0.05371)  |
| Bali     | Cerebrovascular disease                       | 70  | 305.5 (233.7, 409.2) | 0.0089845 (0.0068724, 0.0120339) | 0.21059 (0.19092, 0.22943) | 398.2 (340.4, 454.8) | 0.0100562 (0.0085970, 0.0114865) | 0.26533 (0.24175, 0.28756) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Bali     | Ischemic heart disease                        | 70  | 262.9 (200.1, 355.9) | 0.0077319 (0.0058860, 0.0104678) | 0.18119 (0.16069, 0.20057) | 218.6 (179.7, 259.6) | 0.0055212 (0.0045391, 0.0065558) | 0.14566 (0.12736, 0.16520) |
| Bali     | Other cardiovascular and circulatory diseases | 70  | 58.4 (39.2, 86.9)    | 0.0017178 (0.0011521, 0.0025551) | 0.04021 (0.03098, 0.05108) | 84.4 (62.4, 110.8)   | 0.0021311 (0.0015760, 0.0027978) | 0.05621 (0.04342, 0.07216) |
| Bali     | Diabetes mellitus                             | 70  | 70.9 (50.9, 101.5)   | 0.0020852 (0.0014980, 0.0029839) | 0.04887 (0.04010, 0.05917) | 89.3 (69.2, 111.8)   | 0.0022553 (0.0017470, 0.0028243) | 0.05949 (0.04765, 0.07308) |
| Bali     | Chronic kidney disease                        | 70  | 34.7 (23.3, 52.4)    | 0.001021 (0.0006864, 0.0015408)  | 0.02392 (0.01793, 0.03138) | 27.3 (18.8, 39.5)    | 0.0006887 (0.0004754, 0.0009980) | 0.01817 (0.01291, 0.02537) |
| Bali     | Cirrhosis                                     | 70  | 43.3 (28.9, 65.2)    | 0.0012734 (0.0008485, 0.0019177) | 0.02983 (0.02225, 0.04011) | 38.8 (27.9, 54.4)    | 0.0009809 (0.0007046, 0.0013746) | 0.02588 (0.01883, 0.03545) |
| Bali     | Chronic respiratory diseases                  | 70  | 178.1 (132.6, 239.8) | 0.005238 (0.0039003, 0.0070506)  | 0.12274 (0.10501, 0.13907) | 124.4 (100.0, 150.0) | 0.0031426 (0.0025254, 0.0037884) | 0.08292 (0.06876, 0.09684) |
| Bali     | Other non-communicable diseases               | 70  | 118.3 (86.9, 162.4)  | 0.0034793 (0.0025545, 0.0047757) | 0.08152 (0.06985, 0.09430) | 143.9 (116.7, 172.2) | 0.0036346 (0.0029474, 0.0043504) | 0.09591 (0.08182, 0.11195) |
| Bali     | Drowning                                      | 70  | 2.9 (0.8, 7.7)       | 0.0000867 (0.0000238, 0.0002261) | 0.00202 (0.00058, 0.00498) | 2.5 (0.7, 6.7)       | 0.0000633 (0.0000168, 0.0001692) | 0.00167 (0.00045, 0.00431) |
| Bali     | Falls                                         | 70  | 28.5 (16.7, 43.2)    | 0.0008384 (0.0004925, 0.0012711) | 0.01965 (0.01287, 0.02747) | 24.0 (15.6, 34.1)    | 0.0006054 (0.0003940, 0.0008605) | 0.01598 (0.01062, 0.02232) |
| Bali     | Interpersonal violence                        | 70  | 1.2 (0.3, 3.1)       | 0.0000345 (0.0000086, 0.0000913) | 0.0008 (0.00021, 0.00210)  | 0.7 (0.2, 2.1)       | 0.0000171 (0.0000038, 0.0000530) | 0.00045 (0.00010, 0.00139) |
| Bali     | Self-harm                                     | 70  | 7.0 (3.2, 13.6)      | 0.0002054 (0.0000946, 0.0003996) | 0.00482 (0.00233, 0.00857) | 2.9 (1.1, 6.1)       | 0.0000735 (0.0000282, 0.0001529) | 0.00194 (0.00074, 0.00405) |
| Bali     | Transport injuries                            | 70  | 16.9 (9.3, 28.1)     | 0.0004962 (0.0002726, 0.0008266) | 0.01162 (0.00693, 0.01771) | 8.2 (4.4, 13.3)      | 0.0002061 (0.0001116, 0.0003360) | 0.00544 (0.00299, 0.00889) |
| Bali     | Other unintentional injuries                  | 70  | 15.0 (8.1, 24.7)     | 0.0004399 (0.0002395, 0.0007257) | 0.01034 (0.00602, 0.01592) | 7.2 (3.8, 12.6)      | 0.0001827 (0.0000972, 0.0003183) | 0.00482 (0.00256, 0.00833) |
| Bali     | Diarrheal diseases                            | 75  | 58.7 (39.7, 86.7)    | 0.0028378 (0.0019193, 0.0041925) | 0.04794 (0.03743, 0.05953) | 94.9 (74.5, 115.0)   | 0.0034114 (0.0026788, 0.0041350) | 0.05658 (0.04563, 0.06792) |
| Bali     | HIV/AIDS                                      | 75  | 1.5 (0.5, 3.2)       | 0.0000714 (0.0000264, 0.0001556) | 0.00121 (0.00048, 0.00253) | 1.9 (0.7, 4.0)       | 0.0000671 (0.0000237, 0.0001433) | 0.00111 (0.00040, 0.00234) |
| Bali     | Lower respiratory infections                  | 75  | 47.5 (31.7, 71.9)    | 0.0022968 (0.0015346, 0.0034806) | 0.03881 (0.02948, 0.04999) | 66.6 (50.3, 87.1)    | 0.0023947 (0.0018094, 0.0031322) | 0.03971 (0.03110, 0.05026) |
| Bali     | Malaria                                       | 75  | 0.5 (0.0, 2.3)       | 0.0000254 (0.0000017, 0.0001102) | 0.00043 (0.00003, 0.00198) | 0.4 (0.0, 1.9)       | 0.0000143 (0.0000009, 0.0000693) | 0.00024 (0.00001, 0.00115) |
| Bali     | Tuberculosis                                  | 75  | 41.8 (26.9, 62.6)    | 0.0020222 (0.0013004, 0.0030307) | 0.03415 (0.02546, 0.04386) | 36.3 (25.6, 49.3)    | 0.0013057 (0.0009201, 0.0017737) | 0.02166 (0.01554, 0.02906) |
| Bali     | Other communicable diseases                   | 75  | 28.2 (17.5, 44.5)    | 0.0013644 (0.0008458, 0.0021526) | 0.02307 (0.01606, 0.03201) | 36.1 (25.0, 51.9)    | 0.0012971 (0.0008994, 0.0018641) | 0.02151 (0.01505, 0.03022) |
| Bali     | Tracheal, bronchus, and lung cancer           | 75  | 21.2 (13.2, 34.0)    | 0.0010242 (0.0006397, 0.0016459) | 0.01735 (0.01168, 0.02512) | 8.9 (5.2, 14.6)      | 0.0003202 (0.0001875, 0.0005232) | 0.00531 (0.00308, 0.00868) |
| Bali     | Breast cancer                                 | 75  | 0.3 (0.1, 0.6)       | 0.0000121 (0.0000038, 0.0000289) | 0.0002 (0.00007, 0.00047)  | 10.9 (6.0, 18.0)     | 0.0003924 (0.0002156, 0.0006467) | 0.00651 (0.00364, 0.01063) |
| Bali     | Cervical cancer                               | 75  |                      |                                  |                            | 16.7 (9.4, 27.4)     | 0.0006008 (0.0003374, 0.0009838) | 0.00996 (0.00580, 0.01605) |
| Bali     | Other malignant neoplasms                     | 75  | 40.7 (28.1, 58.5)    | 0.0019679 (0.0013580, 0.0028311) | 0.03326 (0.02682, 0.04049) | 62.9 (46.1, 80.1)    | 0.0022597 (0.0016559, 0.0028803) | 0.03747 (0.02817, 0.04699) |
| Bali     | Cerebrovascular disease                       | 75  | 263.5 (199.7, 362.8) | 0.012746 (0.0096593, 0.0175523)  | 0.21548 (0.19367, 0.23457) | 450.4 (388.2, 513.8) | 0.0161913 (0.0139526, 0.0184687) | 0.26851 (0.24362, 0.29139) |
| Bali     | Ischemic heart disease                        | 75  | 237.0 (177.7, 328.7) | 0.0114682 (0.0085955, 0.0159003) | 0.19381 (0.17263, 0.21550) | 271.3 (226.7, 317.1) | 0.009752 (0.0081502, 0.0113976)  | 0.1617 (0.14110, 0.18220)  |
| Bali     | Other cardiovascular and circulatory diseases | 75  | 50.9 (33.9, 77.3)    | 0.0024617 (0.0016404, 0.0037394) | 0.04156 (0.03220, 0.05350) | 98.7 (74.0, 130.1)   | 0.0035466 (0.0026602, 0.0046761) | 0.05879 (0.04561, 0.07598) |
| Bali     | Diabetes mellitus                             | 75  | 50.1 (34.9, 73.6)    | 0.0024224 (0.0016889, 0.0035628) | 0.04093 (0.03259, 0.05023) | 85.5 (66.3, 108.3)   | 0.0030735 (0.0023820, 0.0038946) | 0.05096 (0.04064, 0.06319) |
| Bali     | Chronic kidney disease                        | 75  | 25.7 (17.3, 38.9)    | 0.0012424 (0.0008349, 0.0018818) | 0.02101 (0.01544, 0.02744) | 28.0 (19.0, 39.3)    | 0.0010049 (0.0006827, 0.0014143) | 0.01667 (0.01179, 0.02282) |
| Bali     | Cirrhosis                                     | 75  | 33.2 (21.9, 50.4)    | 0.0016041 (0.0010597, 0.0024378) | 0.02711 (0.02022, 0.03648) | 38.2 (27.4, 53.3)    | 0.0013734 (0.0009846, 0.0019175) | 0.02277 (0.01659, 0.03110) |
| Bali     | Chronic respiratory diseases                  | 75  | 146.0 (107.0, 202.0) | 0.0070624 (0.0051762, 0.0097733) | 0.11934 (0.10237, 0.13548) | 135.7 (108.9, 162.2) | 0.0048777 (0.0039139, 0.0058297) | 0.08089 (0.06730, 0.09424) |
| Bali     | Other non-communicable diseases               | 75  | 116.2 (84.6, 162.5)  | 0.0056198 (0.0040908, 0.0078631) | 0.09496 (0.08158, 0.10974) | 186.9 (152.7, 219.9) | 0.0067169 (0.0054873, 0.0079060) | 0.1114 (0.09479, 0.12841)  |
| Bali     | Drowning                                      | 75  | 3.7 (1.0, 8.7)       | 0.0001771 (0.0000498, 0.0004215) | 0.00299 (0.00090, 0.00664) | 3.3 (0.9, 7.6)       | 0.0001187 (0.0000337, 0.0002740) | 0.00197 (0.00056, 0.00451) |
| Bali     | Falls                                         | 75  | 29.3 (17.6, 46.4)    | 0.001419 (0.0008497, 0.0022436)  | 0.024 (0.01616, 0.03320)   | 28.0 (18.5, 39.0)    | 0.0010047 (0.0006662, 0.0014015) | 0.01666 (0.01118, 0.02297) |
| Bali     | Interpersonal violence                        | 75  | 0.7 (0.1, 2.1)       | 0.0000323 (0.0000063, 0.0001025) | 0.00054 (0.00012, 0.00162) | 0.5 (0.1, 1.6)       | 0.0000183 (0.0000037, 0.0000573) | 0.0003 (0.00006, 0.00097)  |
| Bali     | Self-harm                                     | 75  | 4.8 (2.1, 10.0)      | 0.000234 (0.0001015, 0.0004818)  | 0.00395 (0.00174, 0.00766) | 2.8 (1.0, 5.9)       | 0.0000997 (0.0000367, 0.0002115) | 0.00165 (0.00062, 0.00350) |
| Bali     | Transport injuries                            | 75  | 10.4 (5.4, 18.3)     | 0.0005034 (0.0002608, 0.0008837) | 0.0085 (0.00481, 0.01356)  | 5.9 (3.1, 10.0)      | 0.0002136 (0.0001126, 0.0003599) | 0.00354 (0.00186, 0.00595) |
| Bali     | Other unintentional injuries                  | 75  | 11.5 (6.0, 20.0)     | 0.0005547 (0.0002889, 0.0009699) | 0.0094 (0.00509, 0.01522)  | 6.9 (3.5, 12.2)      | 0.0002475 (0.0001253, 0.0004388) | 0.0041 (0.00208, 0.00714)  |
| Bali     | Diarrheal diseases                            | 80  | 159.8 (122.7, 212.4) | 0.0097586 (0.0074916, 0.0129664) | 0.07875 (0.06443, 0.09422) | 257.7 (211.7, 308.0) | 0.0117552 (0.0096574, 0.0140458) | 0.08643 (0.07204, 0.10126) |
| Bali     | HIV/AIDS                                      | 80  | 2.4 (0.7, 6.3)       | 0.000149 (0.0000440, 0.0003853)  | 0.0012 (0.00034, 0.00300)  | 3.2 (0.9, 8.2)       | 0.0001469 (0.0000401, 0.0003732) | 0.00108 (0.00030, 0.00278) |
| Bali     | Lower respiratory infections                  | 80  | 90.5 (65.2, 126.9)   | 0.0055249 (0.0039786, 0.0077501) | 0.04458 (0.03415, 0.05732) | 132.4 (101.1, 169.9) | 0.0060373 (0.0046096, 0.0077465) | 0.04438 (0.03429, 0.05575) |
| Bali     | Malaria                                       | 80  | 0.9 (0.1, 4.1)       | 0.0000544 (0.0000034, 0.0002527) | 0.00044 (0.00003, 0.00204) | 0.7 (0.0, 3.5)       | 0.0000326 (0.0000019, 0.0001605) | 0.00024 (0.00001, 0.00117) |
| Bali     | Tuberculosis                                  | 80  | 59.5 (40.5, 84.0)    | 0.0036342 (0.0024733, 0.0051275) | 0.02931 (0.02114, 0.03861) | 58.2 (40.5, 78.4)    | 0.0026535 (0.0018465, 0.0035759) | 0.01951 (0.01373, 0.02602) |
| Bali     | Other communicable diseases                   | 80  | 53.1 (35.6, 77.6)    | 0.0032403 (0.0021718, 0.0047410) | 0.02616 (0.01820, 0.03624) | 66.9 (46.5, 94.9)    | 0.0030505 (0.0021221, 0.0043269) | 0.02243 (0.01537, 0.03175) |
| Bali     | Tracheal, bronchus, and lung cancer           | 80  | 25.9 (15.7, 41.7)    | 0.0015808 (0.0009591, 0.0025485) | 0.01278 (0.00786, 0.01997) | 12.6 (6.7, 21.7)     | 0.0005758 (0.0003070, 0.0009906) | 0.00423 (0.00225, 0.00724) |
| Bali     | Breast cancer                                 | 80  | 0.3 (0.1, 0.8)       | 0.0000186 (0.0000052, 0.0000483) | 0.00015 (0.00004, 0.00038) | 12.6 (5.9, 22.6)     | 0.0005735 (0.0002708, 0.0010324) | 0.00422 (0.00198, 0.00754) |
| Bali     | Cervical cancer                               | 80  |                      |                                  |                            | 17.5 (8.3, 31.5)     | 0.0007977 (0.0003793, 0.0014349) | 0.00586 (0.00280, 0.01052) |
| Bali     | Other malignant neoplasms                     | 80  | 54.1 (38.8, 73.7)    | 0.0033056 (0.0023679, 0.0044993) | 0.02668 (0.02067, 0.03387) | 88.2 (65.6, 114.1)   | 0.0040233 (0.0029933, 0.0052019) | 0.02958 (0.02197, 0.03725) |
| Bali     | Cerebrovascular disease                       | 80  | 442.6 (362.0, 555.6) | 0.0270256 (0.0221007, 0.0339239) | 0.21811 (0.19665, 0.23938) | 805.9 (718.1, 900.6) | 0.0367548 (0.0327514, 0.0410766) | 0.27025 (0.24698, 0.29448) |
| Bali     | Ischemic heart disease                        | 80  | 358.0 (286.2, 452.7) | 0.0218585 (0.0174775, 0.0276380) | 0.17642 (0.15582, 0.19825) | 468.0 (396.9, 538.6) | 0.0213429 (0.0181020, 0.0245640) | 0.15691 (0.13714, 0.17736) |
| Bali     | Other cardiovascular and circulatory diseases | 80  | 79.0 (55.4, 112.7)   | 0.0048229 (0.0033808, 0.0068837) | 0.03889 (0.02896, 0.05092) | 161.3 (122.3, 208.1) | 0.0073555 (0.0055757, 0.0094922) | 0.05407 (0.04156, 0.06941) |
| Bali     | Diabetes mellitus                             | 80  | 65.4 (48.5, 89.3)    | 0.0039911 (0.0029611, 0.0054534) | 0.0322 (0.02565, 0.03957)  | 121.4 (94.0, 155.1)  | 0.0055363 (0.0042869, 0.0070735) | 0.0407 (0.03168, 0.05150)  |
| Bali     | Chronic kidney disease                        | 80  | 34.2 (23.8, 48.3)    | 0.0020912 (0.0014545, 0.0029486) | 0.01688 (0.01227, 0.02215) | 40.9 (27.4, 57.8)    | 0.0018675 (0.0012504, 0.0026377) | 0.01373 (0.00923, 0.01907) |
| Bali     | Cirrhosis                                     | 80  | 47.1 (32.1, 68.8)    | 0.002875 (0.0019622, 0.0041980)  | 0.0232 (0.01684, 0.03133)  | 57.1 (40.5, 79.2)    | 0.0026027 (0.0018471, 0.0036126) | 0.01913 (0.01368, 0.02626) |
| Bali     | Chronic respiratory diseases                  | 80  | 239.2 (189.6, 304.5) | 0.0146045 (0.0115787, 0.0185891) | 0.11787 (0.10066, 0.13434) | 229.5 (187.6, 274.3) | 0.0104672 (0.0085549, 0.0125098) | 0.07695 (0.06305, 0.09065) |
| Bali     | Other non-communicable diseases               | 80  | 214.1 (167.4, 278.8) | 0.013073 (0.0102214, 0.0170210)  | 0.10551 (0.08991, 0.12305) | 364.7 (303.8, 427.0) | 0.0166317 (0.0138573, 0.0194748) | 0.12229 (0.10396, 0.14236) |
| Bali     | Drowning                                      | 80  | 5.9 (1.5, 15.3)      | 0.0003579 (0.0000893, 0.0009357) | 0.00289 (0.00074, 0.00753) | 5.0 (1.3, 12.8)      | 0.0002274 (0.0000577, 0.0005852) | 0.00167 (0.00043, 0.00434) |
| Bali     | Falls                                         | 80  | 60.4 (39.8, 88.1)    | 0.0036861 (0.0024308, 0.0053800) | 0.02975 (0.02076, 0.04082) | 56.1 (38.3, 77.2)    | 0.0025569 (0.0017466, 0.0035224) | 0.0188 (0.01306, 0.02539)  |
| Bali     | Interpersonal violence                        | 80  | 0.7 (0.1, 2.7)       | 0.0000444 (0.0000066, 0.0001663) | 0.00036 (0.00006, 0.00134) | 0.6 (0.1, 2.3)       | 0.0000273 (0.0000042, 0.0001043) | 0.0002 (0.00003, 0.00077)  |
| Bali     | Self-harm                                     | 80  | 6.4 (2.5, 13.8)      | 0.0003895 (0.0001528, 0.0008402) | 0.00314 (0.00126, 0.00648) | 4.0 (1.3, 8.9)       | 0.0001825 (0.0000595, 0.0004061) | 0.00134 (0.00045, 0.00292) |
| Bali     | Transport injuries                            | 80  | 13.8 (6.9, 25.0)     | 0.0008434 (0.0004183, 0.0015292) | 0.0068 (0.00347, 0.01147)  | 7.9 (3.7, 14.4)      | 0.0003603 (0.0001677, 0.0006585) | 0.00265 (0.00125, 0.00486) |
| Bali     | Other unintentional injuries                  | 80  | 16.1 (8.0, 27.8)     | 0.0009834 (0.0004877, 0.0016984) | 0.00795 (0.00390, 0.01359) | 9.9 (4.7, 18.7)      | 0.0004534 (0.0002130, 0.0008549) | 0.00333 (0.00158, 0.00630) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                      |                                   |                            | Females                    |                                  |                            |
|---------------------|----------------------------------------------------------|-----|----------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Bali                | Diarrheal diseases                                       | All | 526.5 (384.5, 712.2)       | 0.0002521 (0.0001841, 0.0003411)  | 0.03844 (0.03083, 0.04743) | 729.6 (578.2, 902.7)       | 0.0003551 (0.0002815, 0.0004394) | 0.05459 (0.04423, 0.06601) |
| Bali                | HIV/AIDS                                                 | All | 148.5 (88.6, 225.0)        | 0.0000711 (0.0000424, 0.0001077)  | 0.01088 (0.00669, 0.01605) | 101.4 (59.0, 156.7)        | 0.0000493 (0.0000287, 0.0000763) | 0.00757 (0.00453, 0.01138) |
| Bali                | Lower respiratory infections                             | All | 570.3 (419.1, 761.5)       | 0.0002731 (0.0002007, 0.0003647)  | 0.04167 (0.03224, 0.05219) | 558.6 (423.8, 723.7)       | 0.0002719 (0.0002063, 0.0003523) | 0.04175 (0.03329, 0.05183) |
| Bali                | Malaria                                                  | All | 8.8 (0.6, 37.9)            | 0.0000042 (0.0000003, 0.0000181)  | 0.00065 (0.00005, 0.00271) | 5.3 (0.4, 23.9)            | 0.0000026 (0.0000002, 0.0000117) | 0.00039 (0.00003, 0.00174) |
| Bali                | Tuberculosis                                             | All | 570.4 (406.7, 782.4)       | 0.0002731 (0.0001948, 0.0003747)  | 0.04161 (0.03265, 0.05148) | 340.9 (243.4, 450.9)       | 0.0001659 (0.0001185, 0.0002195) | 0.02547 (0.01916, 0.03235) |
| Bali                | Maternal disorders                                       | All |                            |                                   |                            | 48.5 (28.8, 72.9)          | 0.0000236 (0.0000140, 0.0000355) | 0.00362 (0.00228, 0.00520) |
| Bali                | Neonatal encephalopathy due to birth asphyxia and trauma | All | 224.6 (107.1, 384.8)       | 0.0001076 (0.0000513, 0.0001843)  | 0.01644 (0.00786, 0.02807) | 127.1 (59.9, 226.1)        | 0.0000619 (0.0000292, 0.0001101) | 0.00947 (0.00459, 0.01662) |
| Bali                | Preterm birth complications                              | All | 383.9 (193.6, 639.5)       | 0.0001838 (0.0000927, 0.0003062)  | 0.02809 (0.01381, 0.04809) | 294.6 (151.0, 500.4)       | 0.0001434 (0.0000735, 0.0002436) | 0.02194 (0.01160, 0.03736) |
| Bali                | Other neonatal disorders                                 | All | 86.1 (19.9, 209.0)         | 0.0000412 (0.0000095, 0.0001001)  | 0.00628 (0.00153, 0.01509) | 48.1 (10.0, 123.6)         | 0.0000234 (0.0000049, 0.0000602) | 0.00358 (0.00076, 0.00905) |
| Bali                | Other communicable diseases                              | All | 566.6 (431.7, 746.2)       | 0.0002713 (0.0002067, 0.0003573)  | 0.04149 (0.03291, 0.05193) | 522.1 (397.7, 683.4)       | 0.0002542 (0.0001936, 0.0003327) | 0.03905 (0.03026, 0.04878) |
| Bali                | Tracheal, bronchus, and lung cancer                      | All | 281.9 (186.0, 421.0)       | 0.000135 (0.0000891, 0.0002016)   | 0.02058 (0.01418, 0.02880) | 107.7 (68.7, 166.6)        | 0.0000524 (0.0000335, 0.0000811) | 0.00805 (0.00526, 0.01208) |
| Bali                | Breast cancer                                            | All | 7.7 (3.4, 14.8)            | 0.0000037 (0.0000016, 0.0000071)  | 0.00056 (0.00026, 0.00105) | 288.7 (187.2, 425.7)       | 0.0001406 (0.0000911, 0.0002072) | 0.02156 (0.01428, 0.03043) |
| Bali                | Cervical cancer                                          | All |                            |                                   |                            | 385.3 (260.1, 550.1)       | 0.0001875 (0.0001266, 0.0002678) | 0.02875 (0.02008, 0.03955) |
| Bali                | Other malignant neoplasms                                | All | 923.4 (704.4, 1,190.9)     | 0.0004422 (0.0003373, 0.0005703)  | 0.06746 (0.05669, 0.07868) | 681.7 (511.9, 859.7)       | 0.0003319 (0.0002492, 0.0004185) | 0.05094 (0.03976, 0.06245) |
| Bali                | Cerebrovascular disease                                  | All | 1,999.9 (1,570.4, 2,602.3) | 0.0009577 (0.0007520, 0.0012462)  | 0.14577 (0.12960, 0.16421) | 2,694.9 (2,300.8, 3,101.6) | 0.0013118 (0.0011200, 0.0015098) | 0.20158 (0.18041, 0.22217) |
| Bali                | Ischemic heart disease                                   | All | 2,028.2 (1,597.9, 2,623.8) | 0.0009712 (0.0007652, 0.0012565)  | 0.1479 (0.13051, 0.16705)  | 1,679.2 (1,370.8, 1,994.5) | 0.0008174 (0.0006673, 0.0009709) | 0.12558 (0.10885, 0.14162) |
| Bali                | Other cardiovascular and circulatory diseases            | All | 382.8 (268.2, 547.8)       | 0.0001833 (0.0001284, 0.0002623)  | 0.02789 (0.02106, 0.03604) | 579.1 (434.2, 768.4)       | 0.0002819 (0.0002114, 0.0003740) | 0.0433 (0.03352, 0.05521)  |
| Bali                | Diabetes mellitus                                        | All | 665.9 (501.3, 904.7)       | 0.0003189 (0.0002401, 0.0004332)  | 0.04855 (0.03999, 0.05832) | 769.3 (591.1, 970.9)       | 0.0003745 (0.0002877, 0.0004726) | 0.05748 (0.04654, 0.06955) |
| Bali                | Chronic kidney disease                                   | All | 365.2 (260.1, 511.2)       | 0.0001749 (0.0001245, 0.0002448)  | 0.02666 (0.02039, 0.03382) | 265.1 (181.3, 372.9)       | 0.000129 (0.0000883, 0.0001815)  | 0.01981 (0.01423, 0.02694) |
| Bali                | Cirrhosis                                                | All | 467.6 (330.7, 661.1)       | 0.0002239 (0.0001584, 0.0003166)  | 0.03413 (0.02562, 0.04530) | 360.8 (259.2, 499.4)       | 0.0001756 (0.0001262, 0.0002431) | 0.02696 (0.02001, 0.03625) |
| Bali                | Chronic respiratory diseases                             | All | 1,079.3 (820.8, 1,426.7)   | 0.0005168 (0.0003931, 0.0006832)  | 0.07867 (0.06549, 0.09126) | 786.4 (638.4, 952.8)       | 0.0003828 (0.0003107, 0.0004638) | 0.05882 (0.04879, 0.06915) |
| Bali                | Other non-communicable diseases                          | All | 1,161.9 (915.5, 1,484.6)   | 0.0005564 (0.0004384, 0.0007109)  | 0.08483 (0.07410, 0.09669) | 1,388.3 (1,163.0, 1,643.0) | 0.0006758 (0.0005661, 0.0007998) | 0.10381 (0.09064, 0.11748) |
| Bali                | Drowning                                                 | All | 89.1 (34.7, 175.3)         | 0.0000426 (0.0000166, 0.0000840)  | 0.00653 (0.00256, 0.01247) | 39.6 (14.2, 81.6)          | 0.0000193 (0.0000069, 0.0000397) | 0.00296 (0.00105, 0.00616) |
| Bali                | Falls                                                    | All | 260.7 (164.9, 376.9)       | 0.0001248 (0.0000789, 0.0001805)  | 0.01904 (0.01273, 0.02646) | 199.1 (135.0, 275.9)       | 0.0000969 (0.0000657, 0.0001343) | 0.01489 (0.01033, 0.02025) |
| Bali                | Interpersonal violence                                   | All | 61.4 (20.5, 135.8)         | 0.0000294 (0.0000098, 0.0000650)  | 0.00449 (0.00158, 0.00989) | 34.5 (11.1, 76.1)          | 0.0000168 (0.0000054, 0.0000370) | 0.00258 (0.00082, 0.00583) |
| Bali                | Self-harm                                                | All | 169.4 (95.7, 282.7)        | 0.0000811 (0.0000458, 0.0001354)  | 0.01238 (0.00714, 0.01912) | 74.6 (39.2, 125.2)         | 0.0000363 (0.0000191, 0.0000609) | 0.00558 (0.00291, 0.00923) |
| Bali                | Transport injuries                                       | All | 370.8 (251.0, 521.8)       | 0.0001776 (0.0001202, 0.0002499)  | 0.02712 (0.01920, 0.03682) | 141.2 (93.5, 203.8)        | 0.0000687 (0.0000455, 0.0000992) | 0.01055 (0.00708, 0.01490) |
| Bali                | Other unintentional injuries                             | All | 298.4 (191.0, 430.8)       | 0.0001429 (0.0000915, 0.0002063)  | 0.02187 (0.01421, 0.03083) | 125.2 (77.5, 188.1)        | 0.0000609 (0.0000377, 0.0000916) | 0.00935 (0.00597, 0.01397) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | NN  | 16.3 (6.7, 30.8)           | 0.0037374 (0.0015335, 0.0070440)  | 0.01027 (0.00644, 0.01505) | 13.3 (5.5, 26.5)           | 0.0032509 (0.0013392, 0.0064927) | 0.01209 (0.00757, 0.01797) |
| Nusa Tenggara Barat | Lower respiratory infections                             | NN  | 221.7 (107.9, 370.5)       | 0.0507805 (0.0247139, 0.0848668)  | 0.13958 (0.10971, 0.17031) | 126.3 (61.1, 221.3)        | 0.0309608 (0.0149874, 0.0542470) | 0.11487 (0.08963, 0.14289) |
| Nusa Tenggara Barat | Malaria                                                  | NN  | 1.4 (0.3, 3.8)             | 0.0003136 (0.0000743, 0.0008650)  | 0.00087 (0.00025, 0.00213) | 0.8 (0.2, 2.1)             | 0.0001843 (0.0000424, 0.0005083) | 0.00069 (0.00020, 0.00166) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 383.3 (179.7, 629.9)       | 0.0878007 (0.0411626, 0.1442954)  | 0.24132 (0.18940, 0.29761) | 241.6 (109.7, 438.8)       | 0.0592169 (0.0268868, 0.1075646) | 0.21932 (0.16684, 0.27567) |
| Nusa Tenggara Barat | Preterm birth complications                              | NN  | 492.1 (238.4, 822.8)       | 0.1127259 (0.0546150, 0.1884839)  | 0.30997 (0.24497, 0.37436) | 404.1 (198.0, 716.7)       | 0.0990497 (0.0485449, 0.1756707) | 0.36728 (0.30137, 0.43107) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | NN  | 152.6 (52.7, 311.3)        | 0.034957 (0.0120809, 0.0713142)   | 0.09607 (0.04598, 0.16920) | 90.5 (30.6, 202.2)         | 0.0221731 (0.0075078, 0.0495621) | 0.08309 (0.03864, 0.14830) |
| Nusa Tenggara Barat | Other communicable diseases                              | NN  | 17.9 (7.1, 34.1)           | 0.0041055 (0.00016283, 0.0078196) | 0.0113 (0.00676, 0.01732)  | 10.4 (4.2, 20.8)           | 0.0025426 (0.0010232, 0.0051046) | 0.00946 (0.00547, 0.01502) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | NN  | 18.9 (7.4, 35.3)           | 0.0043181 (0.0016986, 0.0080853)  | 0.01192 (0.00688, 0.01802) | 13.4 (5.4, 28.1)           | 0.0032862 (0.0013294, 0.0068785) | 0.01225 (0.00697, 0.01960) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | NN  | 2.5 (0.6, 6.2)             | 0.0005667 (0.0001356, 0.0014290)  | 0.00156 (0.00052, 0.00350) | 2.4 (0.6, 6.2)             | 0.0005884 (0.0001424, 0.0015261) | 0.00217 (0.00074, 0.00473) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | NN  | 2.2 (0.5, 5.6)             | 0.0005008 (0.0001175, 0.0012900)  | 0.00139 (0.00040, 0.00328) | 2.0 (0.4, 5.1)             | 0.0004871 (0.0001076, 0.0012584) | 0.00182 (0.00055, 0.00444) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | NN  | 0.9 (0.0, 7.5)             | 0.0002032 (0.0000010, 0.0017131)  | 0.00055 (0.00000, 0.00441) | 1.0 (0.0, 8.5)             | 0.0002558 (0.0000013, 0.0020940) | 0.00095 (0.00001, 0.00739) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | NN  | 206.5 (103.3, 331.6)       | 0.0472948 (0.0236631, 0.0759602)  | 0.13012 (0.11372, 0.14774) | 172.0 (85.6, 289.7)        | 0.0421601 (0.0209767, 0.0710232) | 0.15665 (0.13732, 0.17734) |
| Nusa Tenggara Barat | Drowning                                                 | NN  | 12.9 (4.4, 28.9)           | 0.0029633 (0.0009978, 0.0066248)  | 0.00811 (0.00382, 0.01497) | 3.2 (1.0, 7.9)             | 0.0007872 (0.0002482, 0.0019315) | 0.00293 (0.00119, 0.00586) |
| Nusa Tenggara Barat | Falls                                                    | NN  | 7.3 (2.4, 16.2)            | 0.0016779 (0.0005530, 0.0037145)  | 0.00462 (0.00216, 0.00853) | 2.4 (0.8, 6.1)             | 0.0005977 (0.0001933, 0.0014841) | 0.00221 (0.00091, 0.00446) |
| Nusa Tenggara Barat | Interpersonal violence                                   | NN  | 5.6 (1.6, 13.2)            | 0.0012819 (0.0003733, 0.0030245)  | 0.00354 (0.00138, 0.00728) | 2.8 (0.7, 6.9)             | 0.0006924 (0.0001837, 0.0017028) | 0.00257 (0.00098, 0.00524) |
| Nusa Tenggara Barat | Transport injuries                                       | NN  | 15.2 (5.8, 31.3)           | 0.0034778 (0.0013228, 0.0071590)  | 0.00957 (0.00506, 0.01626) | 3.6 (1.3, 8.5)             | 0.000884 (0.0003177, 0.0020757)  | 0.00328 (0.00160, 0.00585) |
| Nusa Tenggara Barat | Other unintentional injuries                             | NN  | 30.5 (12.8, 57.5)          | 0.0069849 (0.0029347, 0.0131800)  | 0.01924 (0.01174, 0.02986) | 9.2 (3.6, 19.5)            | 0.0022663 (0.0008867, 0.0047676) | 0.00838 (0.00497, 0.01319) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | PNN | 257.2 (120.3, 444.2)       | 0.0047202 (0.0022085, 0.0081529)  | 0.20661 (0.16085, 0.25421) | 260.3 (121.0, 476.4)       | 0.0051125 (0.0023756, 0.0093550) | 0.25925 (0.20786, 0.31140) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | PNN | 28.5 (8.9, 67.7)           | 0.0005228 (0.0001630, 0.0012430)  | 0.02289 (0.00882, 0.04512) | 19.4 (5.9, 49.5)           | 0.0003817 (0.0001157, 0.0009718) | 0.01936 (0.00781, 0.04040) |
| Nusa Tenggara Barat | Lower respiratory infections                             | PNN | 228.1 (111.1, 386.1)       | 0.0041858 (0.0020387, 0.0070853)  | 0.1838 (0.14775, 0.22143)  | 159.6 (74.2, 287.8)        | 0.0031341 (0.0014579, 0.0056521) | 0.15883 (0.12806, 0.19187) |
| Nusa Tenggara Barat | Malaria                                                  | PNN | 21.0 (5.3, 55.7)           | 0.0003859 (0.0000976, 0.0010229)  | 0.01694 (0.00538, 0.03828) | 14.5 (3.6, 40.8)           | 0.0002843 (0.0000714, 0.0008004) | 0.01441 (0.00482, 0.03335) |
| Nusa Tenggara Barat | Tuberculosis                                             | PNN | 62.0 (28.2, 115.4)         | 0.0011378 (0.0005170, 0.0021187)  | 0.04982 (0.03346, 0.07044) | 42.9 (18.5, 86.9)          | 0.0008249 (0.0003632, 0.0017070) | 0.04267 (0.02683, 0.06233) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 13.7 (3.9, 35.9)           | 0.0002511 (0.0000717, 0.0006580)  | 0.01105 (0.00388, 0.02446) | 10.0 (2.5, 25.4)           | 0.000197 (0.0000501, 0.0004989)  | 0.00995 (0.00329, 0.02243) |
| Nusa Tenggara Barat | Preterm birth complications                              | PNN | 53.7 (20.2, 113.1)         | 0.0009858 (0.0003707, 0.0020763)  | 0.04331 (0.02258, 0.07895) | 59.1 (20.6, 125.9)         | 0.0011599 (0.0004044, 0.0024732) | 0.05848 (0.03013, 0.10166) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | PNN | 20.4 (5.1, 53.6)           | 0.0003738 (0.0000940, 0.0009844)  | 0.01636 (0.00508, 0.03951) | 14.4 (3.5, 38.9)           | 0.0002829 (0.0000684, 0.0007643) | 0.0145 (0.00451, 0.03524)  |
| Nusa Tenggara Barat | Other communicable diseases                              | PNN | 313.7 (154.0, 538.8)       | 0.0057569 (0.0028268, 0.0098892)  | 0.25249 (0.20021, 0.30342) | 226.4 (102.9, 401.2)       | 0.004447 (0.0020206, 0.0078798)  | 0.22541 (0.17419, 0.27742) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | PNN | 14.0 (5.8, 25.9)           | 0.0002563 (0.0001073, 0.0004756)  | 0.01127 (0.00647, 0.01696) | 11.8 (4.7, 23.8)           | 0.0002311 (0.0000931, 0.0004669) | 0.01173 (0.00665, 0.01867) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | PNN | 1.8 (0.5, 4.7)             | 0.0000337 (0.0000092, 0.0000866)  | 0.00148 (0.00048, 0.00334) | 2.1 (0.5, 5.6)             | 0.0000412 (0.0000104, 0.0001102) | 0.00208 (0.00071, 0.00456) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | PNN | 0.9 (0.1, 4.3)             | 0.0000166 (0.0000012, 0.0000793)  | 0.00072 (0.00006, 0.00308) | 1.0 (0.1, 4.4)             | 0.0000195 (0.0000013, 0.0000868) | 0.001 (0.00007, 0.00451)   |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | PNN | 1.6 (0.4, 4.3)             | 0.0000298 (0.0000071, 0.0000787)  | 0.00131 (0.00038, 0.00308) | 1.7 (0.4, 4.5)             | 0.0000342 (0.0000077, 0.0000887) | 0.00173 (0.00052, 0.00426) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males               |                                  |                             | Females             |                                   |                            |
|---------------------|----------------------------------------------------------|-----|---------------------|----------------------------------|-----------------------------|---------------------|-----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                     | CF (95% UI)                |
| Nusa Tenggara Barat | Diabetes mellitus                                        | PNN | 0.6 (0.0, 4.8)      | 0.0000118 (0.0000001, 0.0000880) | 0.00052 (0.00000, 0.00415)  | 0.9 (0.0, 7.4)      | 0.0000179 (0.0000001, 0.0001460)  | 0.00091 (0.00000, 0.00723) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | PNN | 10.8 (4.0, 23.2)    | 0.0001978 (0.0000735, 0.0004259) | 0.00869 (0.00419, 0.01585)  | 8.9 (3.3, 20.5)     | 0.0001749 (0.0000641, 0.0004034)  | 0.00887 (0.00422, 0.01617) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | PNN | 151.9 (76.2, 251.0) | 0.0027879 (0.0013976, 0.0046069) | 0.12228 (0.10648, 0.13989)  | 149.7 (69.5, 264.4) | 0.002939 (0.0013645, 0.0051930)   | 0.14899 (0.12968, 0.16875) |
| Nusa Tenggara Barat | Drowning                                                 | PNN | 11.8 (4.1, 26.0)    | 0.000216 (0.0000761, 0.0004769)  | 0.00941 (0.00456, 0.01690)  | 3.5 (1.0, 8.3)      | 0.000068 (0.0000203, 0.0001626)   | 0.00344 (0.00144, 0.00659) |
| Nusa Tenggara Barat | Falls                                                    | PNN | 6.4 (2.3, 13.8)     | 0.0001174 (0.0000420, 0.0002528) | 0.00515 (0.00245, 0.00940)  | 2.5 (0.8, 5.9)      | 0.0000491 (0.0000150, 0.0001154)  | 0.00249 (0.00103, 0.00495) |
| Nusa Tenggara Barat | Interpersonal violence                                   | PNN | 4.8 (1.5, 11.0)     | 0.0000879 (0.0000276, 0.0002020) | 0.00386 (0.00151, 0.00779)  | 2.9 (0.8, 6.7)      | 0.0000561 (0.0000154, 0.0001313)  | 0.00283 (0.00112, 0.00559) |
| Nusa Tenggara Barat | Transport injuries                                       | PNN | 13.6 (5.7, 26.7)    | 0.0002496 (0.0001053, 0.0004902) | 0.01097 (0.00605, 0.01816)  | 3.8 (1.4, 8.0)      | 0.000075 (0.0000279, 0.0001681)   | 0.0038 (0.00197, 0.00656)  |
| Nusa Tenggara Barat | Other unintentional injuries                             | PNN | 26.2 (11.7, 49.4)   | 0.0004803 (0.0002141, 0.0009058) | 0.02108 (0.01323, 0.03151)  | 9.3 (3.8, 19.3)     | 0.0001835 (0.0000754, 0.0003793)  | 0.00928 (0.00566, 0.01414) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 1   | 58.7 (22.8, 122.2)  | 0.0002772 (0.0001076, 0.0005768) | 0.11083 (0.08072, 0.14767)  | 85.6 (36.2, 164.6)  | 0.0004153 (0.0001759, 0.0007989)  | 0.15091 (0.11176, 0.19617) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 1   | 14.0 (3.6, 35.5)    | 0.0000661 (0.0000172, 0.0001674) | 0.02634 (0.01063, 0.05112)  | 14.3 (3.9, 34.6)    | 0.0000692 (0.0000189, 0.0001681)  | 0.02512 (0.01029, 0.05126) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 1   | 109.5 (43.2, 226.3) | 0.0005168 (0.0002041, 0.0010678) | 0.20706 (0.16468, 0.24807)  | 115.0 (49.1, 231.0) | 0.000558 (0.0002385, 0.0011214)   | 0.20241 (0.15975, 0.24583) |
| Nusa Tenggara Barat | Malaria                                                  | 1   | 3.9 (0.8, 11.4)     | 0.0000183 (0.0000039, 0.0000537) | 0.00732 (0.00242, 0.01697)  | 3.9 (0.9, 10.4)     | 0.0000188 (0.0000046, 0.0000504)  | 0.00678 (0.00235, 0.01601) |
| Nusa Tenggara Barat | Tuberculosis                                             | 1   | 32.0 (11.8, 66.7)   | 0.0001511 (0.0000556, 0.0003148) | 0.06057 (0.04152, 0.08478)  | 33.3 (12.9, 67.6)   | 0.0001616 (0.0000627, 0.0003281)  | 0.05866 (0.03750, 0.08468) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.6 (0.8, 10.2)     | 0.0000172 (0.0000036, 0.0000479) | 0.00693 (0.00218, 0.01585)  | 3.7 (0.8, 9.9)      | 0.0000179 (0.0000039, 0.0000479)  | 0.00647 (0.00201, 0.01461) |
| Nusa Tenggara Barat | Preterm birth complications                              | 1   | 2.8 (0.4, 9.1)      | 0.0000132 (0.0000020, 0.0000428) | 0.00528 (0.00118, 0.01673)  | 4.2 (0.7, 13.9)     | 0.0000206 (0.0000035, 0.0000672)  | 0.00744 (0.00168, 0.02217) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | 1   | 0.8 (0.0, 5.5)      | 0.000004 (0.0000000, 0.0000260)  | 0.00158 (0.00001, 0.01048)  | 0.8 (0.0, 5.7)      | 0.000004 (0.0000000, 0.0000275)   | 0.00144 (0.00001, 0.01013) |
| Nusa Tenggara Barat | Other communicable diseases                              | 1   | 154.9 (61.1, 309.3) | 0.0007309 (0.0002885, 0.0014594) | 0.29247 (0.24431, 0.34247)  | 164.3 (71.0, 312.7) | 0.0007977 (0.0003447, 0.0015176)  | 0.28904 (0.23347, 0.34274) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 1   | 4.3 (1.5, 9.8)      | 0.0000205 (0.0000070, 0.0000460) | 0.00821 (0.00461, 0.01303)  | 6.1 (2.3, 13.2)     | 0.0000296 (0.0000112, 0.0000640)  | 0.01076 (0.00618, 0.01717) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 1   | 0.6 (0.1, 1.8)      | 0.0000029 (0.0000007, 0.0000083) | 0.00118 (0.000037, 0.00269) | 1.2 (0.3, 3.3)      | 0.0000058 (0.0000015, 0.0000158)  | 0.00209 (0.00070, 0.00465) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 1   | 0.3 (0.0, 1.5)      | 0.0000015 (0.0000001, 0.0000071) | 0.00058 (0.00004, 0.00261)  | 0.6 (0.0, 2.8)      | 0.0000028 (0.0000002, 0.0000137)  | 0.00102 (0.00008, 0.00463) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 1   | 0.5 (0.1, 1.4)      | 0.0000024 (0.0000005, 0.0000066) | 0.00098 (0.00028, 0.00238)  | 0.9 (0.2, 2.6)      | 0.0000044 (0.0000010, 0.0000128)  | 0.00163 (0.00048, 0.00395) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 1   | 0.2 (0.0, 1.6)      | 0.0000009 (0.0000000, 0.0000074) | 0.00039 (0.00000, 0.00317)  | 0.5 (0.0, 4.2)      | 0.0000024 (0.0000000, 0.0000203)  | 0.00085 (0.00000, 0.00665) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 1   | 3.2 (1.0, 7.5)      | 0.0000152 (0.0000046, 0.0000353) | 0.00613 (0.00295, 0.01157)  | 4.5 (1.4, 10.0)     | 0.0000216 (0.0000068, 0.0000487)  | 0.00787 (0.00375, 0.01451) |
| Nusa Tenggara Barat | Cirrhosis                                                | 1   | 6.2 (1.7, 15.6)     | 0.0000291 (0.0000079, 0.0000735) | 0.01172 (0.00500, 0.02235)  | 5.2 (1.5, 12.2)     | 0.0000252 (0.0000071, 0.0000591)  | 0.00919 (0.00394, 0.01835) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 1   | 16.5 (5.6, 36.4)    | 0.0000778 (0.0000263, 0.0001720) | 0.03133 (0.01647, 0.05019)  | 10.2 (3.5, 23.6)    | 0.0000494 (0.0000170, 0.0001146)  | 0.01809 (0.00857, 0.03285) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 1   | 47.4 (18.4, 99.7)   | 0.0002235 (0.0000871, 0.0004705) | 0.08944 (0.06968, 0.11035)  | 77.7 (35.0, 150.1)  | 0.0003773 (0.0001701, 0.0007287)  | 0.13705 (0.11404, 0.16120) |
| Nusa Tenggara Barat | Drowning                                                 | 1   | 17.5 (5.7, 41.0)    | 0.0000827 (0.0000268, 0.0001936) | 0.03307 (0.01641, 0.05535)  | 7.9 (2.6, 18.0)     | 0.0000388 (0.0000124, 0.0000876)  | 0.01388 (0.00633, 0.02462) |
| Nusa Tenggara Barat | Falls                                                    | 1   | 6.6 (2.1, 15.4)     | 0.0000313 (0.0000098, 0.0000726) | 0.01253 (0.00593, 0.02142)  | 3.9 (1.3, 8.7)      | 0.000019 (0.0000061, 0.0000424)   | 0.00693 (0.00301, 0.01268) |
| Nusa Tenggara Barat | Interpersonal violence                                   | 1   | 4.1 (1.1, 10.1)     | 0.0000194 (0.0000053, 0.0000477) | 0.00772 (0.00317, 0.01467)  | 3.7 (1.1, 9.1)      | 0.0000179 (0.0000055, 0.0000441)  | 0.00649 (0.00259, 0.01210) |
| Nusa Tenggara Barat | Transport injuries                                       | 1   | 18.1 (6.5, 40.1)    | 0.0000855 (0.0000309, 0.0001894) | 0.03416 (0.02036, 0.05116)  | 7.7 (2.7, 17.5)     | 0.0000376 (0.0000130, 0.0000849)  | 0.01362 (0.00727, 0.02230) |
| Nusa Tenggara Barat | Other unintentional injuries                             | 1   | 23.4 (8.7, 51.4)    | 0.0001106 (0.0000411, 0.0002425) | 0.0442 (0.02739, 0.06372)   | 12.7 (4.7, 27.5)    | 0.0000616 (0.0000227, 0.0001336)  | 0.02228 (0.01300, 0.03379) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 5   | 21.3 (14.4, 29.2)   | 0.0000829 (0.0000560, 0.0001139) | 0.07968 (0.05589, 0.10740)  | 20.8 (14.7, 28.4)   | 0.0000858 (0.0000609, 0.0001174)  | 0.11646 (0.08381, 0.15484) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 5   | 3.7 (1.2, 8.7)      | 0.0000143 (0.0000045, 0.0000340) | 0.01372 (0.00434, 0.03251)  | 2.5 (0.8, 5.8)      | 0.0000102 (0.0000032, 0.0000239)  | 0.01378 (0.00444, 0.03197) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 5   | 27.0 (19.2, 35.1)   | 0.0001052 (0.0000749, 0.0001368) | 0.10108 (0.07324, 0.13022)  | 18.7 (13.2, 24.4)   | 0.0000771 (0.0000544, 0.0001008)  | 0.10467 (0.07511, 0.13562) |
| Nusa Tenggara Barat | Malaria                                                  | 5   | 1.4 (0.5, 3.1)      | 0.0000054 (0.0000019, 0.0000120) | 0.0052 (0.00178, 0.01148)   | 0.9 (0.3, 2.0)      | 0.0000038 (0.0000014, 0.0000083)  | 0.00516 (0.00187, 0.01121) |
| Nusa Tenggara Barat | Tuberculosis                                             | 5   | 11.3 (7.7, 16.5)    | 0.0000441 (0.0000300, 0.0000643) | 0.04241 (0.02807, 0.06089)  | 7.7 (5.1, 11.2)     | 0.000032 (0.0000210, 0.0000464)   | 0.04348 (0.02878, 0.06235) |
| Nusa Tenggara Barat | Other communicable diseases                              | 5   | 55.6 (44.5, 68.3)   | 0.0002166 (0.0001734, 0.0002661) | 0.20807 (0.16986, 0.24652)  | 39.3 (30.7, 48.4)   | 0.0001624 (0.0001267, 0.0002002)  | 0.22028 (0.17724, 0.26444) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 5   | 12.8 (8.3, 18.5)    | 0.00005 (0.0000325, 0.0000721)   | 0.04803 (0.03107, 0.06896)  | 11.9 (8.1, 16.4)    | 0.0000494 (0.0000334, 0.0000680)  | 0.06701 (0.04458, 0.09237) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 5   | 1.3 (0.6, 2.3)      | 0.000005 (0.0000024, 0.0000089)  | 0.00483 (0.00240, 0.00849)  | 1.6 (0.8, 2.6)      | 0.0000066 (0.0000034, 0.0000109)  | 0.00901 (0.00464, 0.01489) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 5   | 0.7 (0.3, 1.5)      | 0.0000028 (0.0000011, 0.0000057) | 0.00269 (0.00112, 0.00526)  | 0.9 (0.4, 1.7)      | 0.0000036 (0.0000015, 0.0000071)  | 0.00494 (0.00208, 0.00953) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 5   | 1.2 (0.5, 2.3)      | 0.0000046 (0.0000020, 0.0000090) | 0.00442 (0.00197, 0.00877)  | 1.4 (0.6, 2.6)      | 0.0000057 (0.0000026, 0.0000106)  | 0.00769 (0.00367, 0.01449) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 5   | 1.2 (0.5, 2.6)      | 0.0000046 (0.0000019, 0.0000101) | 0.00442 (0.00188, 0.00966)  | 1.9 (0.8, 4.0)      | 0.0000078 (0.0000032, 0.0000164)  | 0.01056 (0.00452, 0.02197) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 5   | 3.3 (1.8, 5.8)      | 0.0000129 (0.0000068, 0.0000225) | 0.01243 (0.00655, 0.02150)  | 3.0 (1.6, 5.3)      | 0.0000126 (0.0000067, 0.0000217)  | 0.01706 (0.00910, 0.02942) |
| Nusa Tenggara Barat | Cirrhosis                                                | 5   | 8.0 (4.8, 12.4)     | 0.0000313 (0.0000187, 0.0000485) | 0.03003 (0.01825, 0.04595)  | 4.5 (2.6, 7.1)      | 0.0000187 (0.0000109, 0.0000296)  | 0.02542 (0.01493, 0.03955) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 5   | 6.5 (3.7, 10.6)     | 0.0000254 (0.0000143, 0.0000411) | 0.02445 (0.01375, 0.03982)  | 2.6 (1.3, 4.5)      | 0.0000109 (0.0000056, 0.0000185)  | 0.01475 (0.00771, 0.02476) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 5   | 21.4 (16.0, 27.7)   | 0.0000833 (0.0000621, 0.0001080) | 0.08008 (0.06097, 0.10196)  | 23.3 (17.6, 29.4)   | 0.0000962 (0.0000728, 0.0001217)  | 0.13049 (0.10150, 0.16207) |
| Nusa Tenggara Barat | Drowning                                                 | 5   | 35.2 (21.7, 51.4)   | 0.0001372 (0.0000845, 0.0002003) | 0.13186 (0.08103, 0.18980)  | 14.0 (7.7, 21.7)    | 0.0000058 (0.00000319, 0.0000897) | 0.07869 (0.04386, 0.12015) |
| Nusa Tenggara Barat | Falls                                                    | 5   | 6.6 (3.6, 10.9)     | 0.0000258 (0.0000141, 0.0000423) | 0.02484 (0.01374, 0.04048)  | 3.3 (1.7, 5.6)      | 0.0000136 (0.0000071, 0.0000234)  | 0.01845 (0.00983, 0.03102) |
| Nusa Tenggara Barat | Interpersonal violence                                   | 5   | 1.8 (0.8, 3.6)      | 0.0000072 (0.0000031, 0.0000141) | 0.00688 (0.00295, 0.01391)  | 1.4 (0.6, 2.9)      | 0.0000057 (0.0000024, 0.0000118)  | 0.00777 (0.00325, 0.01573) |
| Nusa Tenggara Barat | Transport injuries                                       | 5   | 34.5 (22.8, 48.1)   | 0.0001344 (0.0000889, 0.0001872) | 0.12902 (0.08895, 0.17423)  | 13.0 (8.1, 19.0)    | 0.0000539 (0.0000335, 0.0000787)  | 0.0731 (0.04568, 0.10501)  |
| Nusa Tenggara Barat | Other unintentional injuries                             | 5   | 12.3 (7.8, 18.5)    | 0.0000477 (0.0000304, 0.0000719) | 0.04585 (0.02915, 0.06756)  | 5.6 (3.4, 8.6)      | 0.000023 (0.0000139, 0.0000357)   | 0.03123 (0.01906, 0.04808) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 10  | 9.8 (6.2, 14.8)     | 0.0000389 (0.0000244, 0.0000586) | 0.03888 (0.02517, 0.05901)  | 9.0 (5.8, 13.4)     | 0.0000372 (0.0000242, 0.0000553)  | 0.05677 (0.03680, 0.08306) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 10  | 3.1 (1.2, 6.6)      | 0.0000121 (0.0000049, 0.0000262) | 0.01215 (0.00474, 0.02606)  | 2.0 (0.8, 4.3)      | 0.0000082 (0.0000031, 0.0000177)  | 0.01257 (0.00484, 0.02726) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 10  | 14.3 (9.4, 20.1)    | 0.0000564 (0.0000371, 0.0000796) | 0.05637 (0.03779, 0.07899)  | 9.0 (6.0, 13.3)     | 0.0000372 (0.0000248, 0.0000536)  | 0.05675 (0.03850, 0.08078) |
| Nusa Tenggara Barat | Malaria                                                  | 10  | 2.6 (1.2, 5.2)      | 0.0000104 (0.0000046, 0.0000204) | 0.01043 (0.00450, 0.02018)  | 1.8 (0.7, 3.5)      | 0.0000072 (0.0000031, 0.0000146)  | 0.01105 (0.00466, 0.02197) |
| Nusa Tenggara Barat | Tuberculosis                                             | 10  | 21.7 (15.7, 29.0)   | 0.0000859 (0.0000622, 0.0001146) | 0.08602 (0.06257, 0.11244)  | 14.7 (10.4, 19.5)   | 0.0000607 (0.0000428, 0.0000807)  | 0.09262 (0.06750, 0.12198) |
| Nusa Tenggara Barat | Maternal disorders                                       | 10  |                     |                                  |                             | 1.0 (0.2, 2.7)      | 0.0000043 (0.0000007, 0.0000114)  | 0.00653 (0.00115, 0.01760) |
| Nusa Tenggara Barat | Other communicable diseases                              | 10  | 38.9 (30.6, 47.9)   | 0.0001536 (0.0001209, 0.0001894) | 0.15367 (0.12319, 0.18528)  | 24.8 (19.1, 31.2)   | 0.0001025 (0.0000789, 0.0001291)  | 0.15639 (0.12217, 0.19296) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 10  | 17.6 (12.9, 23.5)   | 0.0000694 (0.0000510, 0.0000929) | 0.06947 (0.05219, 0.09179)  | 16.7 (12.5, 21.7)   | 0.0000689 (0.0000517, 0.0000897)  | 0.10518 (0.07994, 0.13617) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 10  | 2.1 (1.3, 3.2)      | 0.0000082 (0.0000050, 0.0000128) | 0.00824 (0.00505, 0.01263)  | 2.4 (1.4, 3.5)      | 0.0000098 (0.0000060, 0.0000146)  | 0.01496 (0.00919, 0.02221) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 10  | 1.8 (1.1, 2.7)      | 0.000007 (0.0000042, 0.0000108)  | 0.00696 (0.00418, 0.01069)  | 2.0 (1.2, 3.1)      | 0.0000082 (0.0000050, 0.0000126)  | 0.01244 (0.00762, 0.01874) |



Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                   |                            | Females           |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|-----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 10  | 1.7 (1.0, 3.0)       | 0.000069 (0.0000038, 0.0000119)   | 0.00688 (0.00381, 0.01156) | 1.9 (1.1, 3.2)    | 0.000008 (0.0000044, 0.0000134)  | 0.01224 (0.00691, 0.02020) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 10  | 1.6 (0.9, 2.8)       | 0.000064 (0.0000036, 0.0000110)   | 0.00644 (0.00359, 0.01110) | 2.5 (1.4, 4.2)    | 0.0000104 (0.0000058, 0.0000174) | 0.0159 (0.00881, 0.02700)  |
| Nusa Tenggara Barat | Chronic kidney disease                        | 10  | 4.5 (2.9, 6.8)       | 0.0000178 (0.00000114, 0.0000270) | 0.01782 (0.01152, 0.02607) | 4.1 (2.6, 6.1)    | 0.0000168 (0.0000106, 0.0000253) | 0.02567 (0.01649, 0.03746) |
| Nusa Tenggara Barat | Cirrhosis                                     | 10  | 8.9 (6.1, 12.8)      | 0.0000352 (0.0000242, 0.0000507)  | 0.03525 (0.02424, 0.04972) | 4.7 (3.0, 6.9)    | 0.0000194 (0.0000126, 0.0000287) | 0.02962 (0.01948, 0.04300) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 10  | 10.2 (6.7, 14.6)     | 0.0000405 (0.0000266, 0.0000576)  | 0.04054 (0.02711, 0.05705) | 4.3 (2.6, 6.7)    | 0.0000179 (0.0000107, 0.0000277) | 0.02733 (0.01648, 0.04162) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 10  | 24.5 (19.3, 30.1)    | 0.0000968 (0.0000762, 0.0001189)  | 0.09683 (0.07734, 0.11665) | 24.7 (19.9, 30.4) | 0.0001022 (0.0000824, 0.0001257) | 0.15598 (0.12729, 0.18530) |
| Nusa Tenggara Barat | Drowning                                      | 10  | 17.0 (9.4, 27.3)     | 0.0000671 (0.0000370, 0.0001078)  | 0.06715 (0.03723, 0.10705) | 5.2 (2.6, 9.2)    | 0.0000214 (0.0000106, 0.0000381) | 0.03263 (0.01592, 0.05928) |
| Nusa Tenggara Barat | Falls                                         | 10  | 5.5 (2.9, 9.3)       | 0.0000216 (0.0000115, 0.0000369)  | 0.02165 (0.01199, 0.03686) | 2.2 (1.2, 4.0)    | 0.0000092 (0.0000048, 0.0000166) | 0.01398 (0.00732, 0.02525) |
| Nusa Tenggara Barat | Interpersonal violence                        | 10  | 2.7 (1.5, 4.4)       | 0.0000106 (0.0000059, 0.0000175)  | 0.01065 (0.00602, 0.01756) | 1.9 (1.0, 3.3)    | 0.0000078 (0.0000041, 0.0000135) | 0.01184 (0.00622, 0.02008) |
| Nusa Tenggara Barat | Self-harm                                     | 10  | 5.1 (2.3, 9.4)       | 0.0000202 (0.0000092, 0.0000373)  | 0.02019 (0.00922, 0.03732) | 3.1 (1.4, 5.8)    | 0.0000126 (0.0000058, 0.0000241) | 0.01923 (0.00865, 0.03634) |
| Nusa Tenggara Barat | Transport injuries                            | 10  | 47.9 (36.4, 60.6)    | 0.0001893 (0.0001439, 0.0002394)  | 0.18938 (0.14816, 0.23587) | 16.1 (11.2, 22.3) | 0.0000667 (0.0000463, 0.0000920) | 0.10177 (0.07164, 0.13695) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 10  | 11.4 (7.5, 16.4)     | 0.000045 (0.0000297, 0.0000647)   | 0.04502 (0.03032, 0.06335) | 4.5 (2.8, 6.8)    | 0.0000187 (0.0000117, 0.0000282) | 0.02857 (0.01851, 0.04237) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 15  | 5.3 (2.7, 9.0)       | 0.0000228 (0.0000118, 0.0000388)  | 0.01454 (0.00788, 0.02318) | 4.2 (2.3, 6.7)    | 0.0000182 (0.0000098, 0.0000291) | 0.01869 (0.01002, 0.03005) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 15  | 2.8 (0.9, 6.9)       | 0.0000121 (0.0000039, 0.0000297)  | 0.00772 (0.00256, 0.01984) | 1.6 (0.5, 4.3)    | 0.0000069 (0.0000021, 0.0000184) | 0.00704 (0.00216, 0.01844) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 15  | 6.8 (4.1, 10.5)      | 0.0000293 (0.0000176, 0.0000455)  | 0.01865 (0.01176, 0.02792) | 3.4 (2.0, 5.5)    | 0.0000145 (0.0000085, 0.0000235) | 0.01487 (0.00897, 0.02378) |
| Nusa Tenggara Barat | Malaria                                       | 15  | 6.3 (2.9, 11.9)      | 0.0000275 (0.0000124, 0.0000514)  | 0.01757 (0.00786, 0.03245) | 3.8 (1.5, 7.4)    | 0.0000162 (0.0000064, 0.0000321) | 0.01663 (0.00648, 0.03256) |
| Nusa Tenggara Barat | Tuberculosis                                  | 15  | 39.3 (29.2, 52.2)    | 0.0001702 (0.0001263, 0.0002259)  | 0.10866 (0.08741, 0.13143) | 20.5 (15.6, 27.0) | 0.0000883 (0.0000672, 0.0001166) | 0.09057 (0.07023, 0.11533) |
| Nusa Tenggara Barat | Maternal disorders                            | 15  |                      |                                   |                            | 10.7 (6.2, 16.6)  | 0.0000464 (0.0000268, 0.0000715) | 0.04757 (0.02737, 0.07172) |
| Nusa Tenggara Barat | Other communicable diseases                   | 15  | 25.4 (17.2, 35.2)    | 0.0001102 (0.0000744, 0.0001523)  | 0.07028 (0.05037, 0.09146) | 13.9 (9.2, 19.6)  | 0.0000602 (0.0000396, 0.0000844) | 0.06176 (0.04241, 0.08385) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 15  | 1.2 (0.4, 2.7)       | 0.000005 (0.0000017, 0.0000118)   | 0.00322 (0.00112, 0.00715) | 0.5 (0.1, 1.1)    | 0.000002 (0.0000006, 0.0000048)  | 0.00206 (0.00059, 0.00487) |
| Nusa Tenggara Barat | Breast cancer                                 | 15  | 0.1 (0.0, 0.3)       | 0.0000004 (0.0000001, 0.0000015)  | 0.00026 (0.00004, 0.00094) | 3.4 (1.1, 7.4)    | 0.0000146 (0.0000045, 0.0000317) | 0.01498 (0.00480, 0.03225) |
| Nusa Tenggara Barat | Cervical cancer                               | 15  |                      |                                   |                            | 0.6 (0.1, 1.7)    | 0.0000027 (0.0000006, 0.0000075) | 0.0028 (0.00062, 0.00744)  |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 15  | 21.0 (15.3, 29.2)    | 0.000091 (0.0000664, 0.0001263)   | 0.05811 (0.04325, 0.07513) | 25.0 (18.1, 33.2) | 0.0001081 (0.0000782, 0.0001433) | 0.11093 (0.08194, 0.14529) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 15  | 4.6 (2.8, 7.2)       | 0.0000201 (0.0000120, 0.0000310)  | 0.0128 (0.00786, 0.01915)  | 4.4 (2.6, 6.8)    | 0.0000191 (0.0000112, 0.0000293) | 0.01959 (0.01157, 0.02968) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 15  | 7.2 (4.6, 10.6)      | 0.0000312 (0.0000201, 0.0000457)  | 0.0199 (0.01359, 0.02735)  | 5.5 (3.5, 8.0)    | 0.0000236 (0.0000153, 0.0000345) | 0.02422 (0.01566, 0.03488) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 15  | 3.2 (1.6, 5.5)       | 0.0000139 (0.0000071, 0.0000236)  | 0.00887 (0.00482, 0.01480) | 3.5 (1.6, 6.1)    | 0.000015 (0.0000070, 0.0000264)  | 0.01534 (0.00731, 0.02661) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 15  | 2.9 (1.6, 5.3)       | 0.0000127 (0.0000068, 0.0000228)  | 0.00813 (0.00441, 0.01408) | 4.5 (2.4, 7.8)    | 0.0000194 (0.0000103, 0.0000336) | 0.01996 (0.01060, 0.03421) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 15  | 7.5 (4.7, 11.7)      | 0.0000325 (0.0000203, 0.0000507)  | 0.02076 (0.01341, 0.03163) | 6.8 (4.1, 10.7)   | 0.0000292 (0.0000176, 0.0000462) | 0.02995 (0.01813, 0.04735) |
| Nusa Tenggara Barat | Cirrhosis                                     | 15  | 12.1 (7.6, 18.7)     | 0.0000523 (0.0000331, 0.0000809)  | 0.03334 (0.02215, 0.04836) | 6.3 (3.8, 9.6)    | 0.0000271 (0.0000164, 0.0000416) | 0.02784 (0.01697, 0.04298) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 15  | 8.9 (5.5, 13.7)      | 0.0000386 (0.0000239, 0.0000593)  | 0.02462 (0.01603, 0.03579) | 4.7 (2.6, 7.4)    | 0.0000201 (0.0000111, 0.0000321) | 0.02064 (0.01170, 0.03243) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 15  | 34.6 (25.7, 45.9)    | 0.0001497 (0.0001112, 0.0001987)  | 0.09552 (0.07771, 0.11511) | 31.2 (24.1, 39.4) | 0.0001347 (0.0001040, 0.0001699) | 0.13818 (0.10953, 0.16956) |
| Nusa Tenggara Barat | Drowning                                      | 15  | 8.3 (4.1, 15.0)      | 0.000036 (0.0000179, 0.0000651)   | 0.02303 (0.01212, 0.03964) | 2.5 (1.1, 4.8)    | 0.0000106 (0.0000046, 0.0000207) | 0.01087 (0.00472, 0.02021) |
| Nusa Tenggara Barat | Falls                                         | 15  | 4.8 (2.7, 7.8)       | 0.0000208 (0.0000117, 0.0000338)  | 0.01326 (0.00776, 0.02134) | 2.0 (1.0, 3.5)    | 0.0000084 (0.0000043, 0.0000149) | 0.00867 (0.00445, 0.01549) |
| Nusa Tenggara Barat | Interpersonal violence                        | 15  | 6.4 (3.6, 10.6)      | 0.0000276 (0.0000156, 0.0000457)  | 0.01758 (0.01041, 0.02679) | 4.6 (2.4, 7.8)    | 0.0000199 (0.0000103, 0.0000339) | 0.02044 (0.01073, 0.03422) |
| Nusa Tenggara Barat | Self-harm                                     | 15  | 10.4 (5.3, 17.5)     | 0.000045 (0.0000230, 0.0000757)   | 0.02874 (0.01567, 0.04795) | 6.5 (3.4, 11.5)   | 0.0000281 (0.0000145, 0.0000498) | 0.02877 (0.01519, 0.05112) |
| Nusa Tenggara Barat | Transport injuries                            | 15  | 126.2 (101.4, 161.5) | 0.0005465 (0.0004392, 0.0006994)  | 0.3487 (0.31146, 0.38482)  | 49.2 (39.1, 59.9) | 0.0002124 (0.0001689, 0.0002585) | 0.21794 (0.17745, 0.25988) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 15  | 16.5 (10.7, 24.0)    | 0.0000717 (0.0000465, 0.0001039)  | 0.04572 (0.03211, 0.06176) | 6.7 (4.2, 10.2)   | 0.000029 (0.0000180, 0.0000439)  | 0.02971 (0.01836, 0.04426) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 20  | 4.9 (2.7, 8.5)       | 0.0000255 (0.0000139, 0.0000447)  | 0.01197 (0.00690, 0.01909) | 4.5 (2.5, 7.3)    | 0.0000198 (0.0000110, 0.0000319) | 0.01643 (0.00932, 0.02531) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 20  | 8.4 (3.4, 15.7)      | 0.0000437 (0.0000180, 0.0000823)  | 0.02056 (0.00894, 0.03879) | 5.3 (2.2, 10.3)   | 0.0000231 (0.0000098, 0.0000451) | 0.01923 (0.00827, 0.03620) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 20  | 5.9 (3.5, 9.5)       | 0.0000367 (0.0000185, 0.0000495)  | 0.01441 (0.00947, 0.02168) | 3.1 (1.9, 4.9)    | 0.0000137 (0.0000087, 0.0000215) | 0.01142 (0.00693, 0.01754) |
| Nusa Tenggara Barat | Malaria                                       | 20  | 7.4 (3.2, 14.2)      | 0.0000389 (0.0000169, 0.0000740)  | 0.01836 (0.00852, 0.03389) | 4.5 (2.0, 8.5)    | 0.0000197 (0.0000086, 0.0000372) | 0.01643 (0.00730, 0.03082) |
| Nusa Tenggara Barat | Tuberculosis                                  | 20  | 69.9 (52.3, 94.8)    | 0.0003656 (0.0002733, 0.0004958)  | 0.17178 (0.14451, 0.20006) | 33.7 (25.5, 42.8) | 0.0001471 (0.0001114, 0.0001870) | 0.12241 (0.09740, 0.14953) |
| Nusa Tenggara Barat | Maternal disorders                            | 20  |                      |                                   |                            | 16.8 (10.9, 24.1) | 0.0000734 (0.0000475, 0.0001054) | 0.06106 (0.03998, 0.08578) |
| Nusa Tenggara Barat | Other communicable diseases                   | 20  | 30.5 (20.5, 43.8)    | 0.0001595 (0.0001071, 0.0002291)  | 0.07484 (0.05686, 0.09583) | 20.0 (14.1, 27.1) | 0.0000873 (0.0000616, 0.0001184) | 0.0726 (0.05318, 0.09432)  |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 20  | 0.9 (0.3, 2.3)       | 0.0000048 (0.0000015, 0.0000120)  | 0.00227 (0.00071, 0.00557) | 0.7 (0.2, 1.6)    | 0.0000031 (0.0000011, 0.0000068) | 0.00261 (0.00088, 0.00571) |
| Nusa Tenggara Barat | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)       | 0.0000006 (0.0000002, 0.0000018)  | 0.0003 (0.00008, 0.00086)  | 10.3 (5.5, 16.6)  | 0.0000449 (0.0000238, 0.0000727) | 0.03733 (0.01970, 0.06149) |
| Nusa Tenggara Barat | Cervical cancer                               | 20  |                      |                                   |                            | 1.6 (0.4, 3.7)    | 0.0000068 (0.0000019, 0.0000161) | 0.00564 (0.00164, 0.01308) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 20  | 19.1 (13.2, 27.0)    | 0.0000996 (0.0000692, 0.0001412)  | 0.04681 (0.03569, 0.06019) | 28.9 (21.0, 38.8) | 0.0001262 (0.0000916, 0.0001695) | 0.10498 (0.07785, 0.13509) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 20  | 8.9 (6.1, 12.8)      | 0.0000467 (0.0000320, 0.0000669)  | 0.02196 (0.01609, 0.02929) | 7.8 (5.4, 10.8)   | 0.000034 (0.0000237, 0.0000472)  | 0.02831 (0.02042, 0.03792) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 20  | 13.5 (9.3, 18.9)     | 0.0000708 (0.0000489, 0.0000990)  | 0.0333 (0.02490, 0.04295)  | 7.0 (4.9, 9.5)    | 0.0000307 (0.0000214, 0.0000415) | 0.02556 (0.01816, 0.03367) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 20  | 4.9 (3.0, 7.5)       | 0.0000256 (0.0000156, 0.0000394)  | 0.01204 (0.00814, 0.01715) | 5.3 (3.4, 7.8)    | 0.0000232 (0.0000150, 0.0000340) | 0.01934 (0.01269, 0.02784) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 20  | 2.8 (1.6, 4.6)       | 0.0000145 (0.0000082, 0.0000239)  | 0.00682 (0.00409, 0.01058) | 4.3 (2.6, 7.0)    | 0.0000187 (0.0000112, 0.0000305) | 0.0156 (0.00940, 0.02473)  |
| Nusa Tenggara Barat | Chronic kidney disease                        | 20  | 11.4 (7.6, 17.2)     | 0.0000596 (0.0000397, 0.0000898)  | 0.02801 (0.01993, 0.03948) | 10.0 (6.8, 14.5)  | 0.0000438 (0.0000295, 0.0000634) | 0.03651 (0.02572, 0.05159) |
| Nusa Tenggara Barat | Cirrhosis                                     | 20  | 18.8 (12.8, 27.3)    | 0.0000982 (0.0000670, 0.0001430)  | 0.04615 (0.03306, 0.06056) | 10.5 (7.0, 14.8)  | 0.000046 (0.0000306, 0.0000648)  | 0.03828 (0.02555, 0.05210) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 20  | 16.6 (11.1, 24.5)    | 0.0000869 (0.0000581, 0.0001279)  | 0.04084 (0.02946, 0.05402) | 11.6 (7.9, 16.6)  | 0.0000507 (0.0000344, 0.0000726) | 0.04214 (0.02933, 0.05778) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 20  | 33.7 (25.1, 46.3)    | 0.0001764 (0.0001312, 0.0002422)  | 0.08287 (0.06811, 0.09832) | 29.4 (23.3, 37.6) | 0.0001287 (0.0001010, 0.0001644) | 0.10702 (0.08709, 0.12800) |
| Nusa Tenggara Barat | Drowning                                      | 20  | 6.0 (2.7, 12.2)      | 0.0000313 (0.0000143, 0.0000640)  | 0.01477 (0.00695, 0.02967) | 2.0 (0.9, 4.2)    | 0.0000089 (0.0000038, 0.0000185) | 0.00744 (0.00321, 0.01471) |
| Nusa Tenggara Barat | Falls                                         | 20  | 4.7 (2.6, 7.7)       | 0.0000244 (0.0000137, 0.0000400)  | 0.01147 (0.00686, 0.01828) | 2.1 (1.1, 3.6)    | 0.000009 (0.0000046, 0.0000158)  | 0.00752 (0.00394, 0.01296) |
| Nusa Tenggara Barat | Interpersonal violence                        | 20  | 7.4 (4.3, 12.0)      | 0.0000385 (0.0000223, 0.0000626)  | 0.01807 (0.01106, 0.02750) | 4.7 (2.6, 8.1)    | 0.0000206 (0.0000116, 0.0000354) | 0.01716 (0.00988, 0.02912) |
| Nusa Tenggara Barat | Self-harm                                     | 20  | 10.3 (5.4, 17.0)     | 0.0000537 (0.0000281, 0.0000891)  | 0.02528 (0.01417, 0.04056) | 5.5 (2.8, 9.8)    | 0.0000241 (0.0000124, 0.0000429) | 0.02002 (0.01081, 0.03445) |
| Nusa Tenggara Barat | Transport injuries                            | 20  | 102.9 (78.1, 137.1)  | 0.0005381 (0.0004086, 0.0007171)  | 0.2529 (0.21862, 0.28771)  | 38.3 (28.8, 48.5) | 0.0001673 (0.0001257, 0.0002122) | 0.13917 (0.11135, 0.16884) |

# Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|---------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Other unintentional injuries                  | 20  | 18.0 (11.8, 26.1)   | 0.0000941 (0.0000618, 0.0001365) | 0.04421 (0.03144, 0.06091) | 7.1 (4.4, 10.9)   | 0.000031 (0.0000192, 0.0000475)  | 0.02579 (0.01663, 0.03785) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 25  | 7.9 (4.7, 12.8)     | 0.0000399 (0.0000236, 0.0000650) | 0.01559 (0.00975, 0.02406) | 6.7 (4.0, 10.6)   | 0.0000283 (0.0000169, 0.0000447) | 0.02017 (0.01251, 0.03054) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 25  | 16.5 (8.3, 28.2)    | 0.0000836 (0.0000419, 0.0001426) | 0.03274 (0.01705, 0.05547) | 9.6 (4.8, 16.4)   | 0.0000405 (0.0000203, 0.0000693) | 0.02879 (0.01513, 0.04808) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 25  | 6.8 (4.2, 10.7)     | 0.0000346 (0.0000213, 0.0000543) | 0.01351 (0.00904, 0.01983) | 3.4 (2.0, 5.2)    | 0.0000142 (0.0000085, 0.0000218) | 0.01014 (0.00643, 0.01503) |
| Nusa Tenggara Barat | Malaria                                       | 25  | 8.4 (3.9, 15.3)     | 0.0000425 (0.0000197, 0.0000775) | 0.01665 (0.00801, 0.02982) | 4.4 (2.0, 8.1)    | 0.0000185 (0.0000083, 0.0000342) | 0.0132 (0.00607, 0.02464)  |
| Nusa Tenggara Barat | Tuberculosis                                  | 25  | 98.2 (75.0, 129.4)  | 0.0004975 (0.0003798, 0.0006555) | 0.19453 (0.16379, 0.22354) | 40.9 (30.3, 54.4) | 0.0001723 (0.0001279, 0.0002294) | 0.1227 (0.09784, 0.14819)  |
| Nusa Tenggara Barat | Maternal disorders                            | 25  |                     |                                  |                            | 25.4 (16.8, 37.2) | 0.0001071 (0.0000709, 0.0001568) | 0.07631 (0.05166, 0.10269) |
| Nusa Tenggara Barat | Other communicable diseases                   | 25  | 37.7 (26.7, 52.1)   | 0.0001909 (0.0001351, 0.0002638) | 0.07453 (0.05797, 0.09273) | 23.1 (16.2, 31.8) | 0.0000975 (0.0000685, 0.0001339) | 0.06941 (0.05243, 0.08774) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 25  | 1.3 (0.4, 3.1)      | 0.0000068 (0.0000023, 0.0000159) | 0.00268 (0.00090, 0.00590) | 1.0 (0.4, 2.0)    | 0.000004 (0.0000015, 0.0000084)  | 0.00287 (0.00111, 0.00576) |
| Nusa Tenggara Barat | Breast cancer                                 | 25  | 0.1 (0.0, 0.4)      | 0.0000007 (0.0000002, 0.0000020) | 0.00028 (0.00008, 0.00078) | 20.2 (13.2, 29.0) | 0.0000852 (0.0000555, 0.0001222) | 0.0607 (0.04098, 0.08456)  |
| Nusa Tenggara Barat | Cervical cancer                               | 25  |                     |                                  |                            | 3.1 (1.1, 6.7)    | 0.0000133 (0.0000045, 0.0000284) | 0.00943 (0.00339, 0.02029) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 25  | 27.1 (19.8, 36.9)   | 0.0001372 (0.0001002, 0.0001872) | 0.05359 (0.04263, 0.06636) | 32.5 (23.2, 44.2) | 0.0001371 (0.0000978, 0.0001863) | 0.09764 (0.07400, 0.12543) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 25  | 18.0 (13.1, 24.1)   | 0.0000913 (0.0000665, 0.0001219) | 0.03568 (0.02867, 0.04367) | 14.2 (10.6, 18.9) | 0.0000598 (0.0000446, 0.0000798) | 0.04257 (0.03385, 0.05241) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 25  | 28.2 (20.9, 37.2)   | 0.0001427 (0.0001061, 0.0001883) | 0.05581 (0.04551, 0.06720) | 12.2 (9.1, 16.4)  | 0.0000516 (0.0000385, 0.0000691) | 0.03678 (0.02881, 0.04522) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 25  | 7.1 (4.7, 10.4)     | 0.000036 (0.0000238, 0.0000528)  | 0.01408 (0.01004, 0.01874) | 7.1 (4.9, 10.3)   | 0.0000299 (0.0000206, 0.0000436) | 0.02131 (0.01501, 0.02904) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 25  | 5.1 (3.3, 7.4)      | 0.0000256 (0.0000167, 0.0000377) | 0.01 (0.00696, 0.01401)    | 6.9 (4.6, 10.2)   | 0.000029 (0.0000194, 0.0000431)  | 0.02068 (0.01439, 0.02866) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 25  | 13.7 (9.6, 19.4)    | 0.0000696 (0.0000487, 0.0000985) | 0.0272 (0.02043, 0.03638)  | 10.6 (7.5, 14.6)  | 0.0000445 (0.0000316, 0.0000615) | 0.03172 (0.02352, 0.04302) |
| Nusa Tenggara Barat | Cirrhosis                                     | 25  | 29.1 (21.1, 40.2)   | 0.0001477 (0.0001067, 0.0002036) | 0.05772 (0.04536, 0.07234) | 15.0 (10.6, 20.9) | 0.0000631 (0.0000449, 0.0000881) | 0.04496 (0.03364, 0.05743) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 25  | 21.4 (15.0, 30.0)   | 0.0001086 (0.0000759, 0.0001522) | 0.04244 (0.03188, 0.05469) | 14.2 (9.9, 19.9)  | 0.0000598 (0.0000419, 0.0000840) | 0.04258 (0.03116, 0.05613) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 25  | 43.7 (33.4, 57.9)   | 0.0002214 (0.0001692, 0.0002934) | 0.08654 (0.07263, 0.10191) | 34.9 (27.4, 45.7) | 0.000147 (0.0001157, 0.0001929)  | 0.10467 (0.08850, 0.12259) |
| Nusa Tenggara Barat | Drowning                                      | 25  | 4.8 (2.0, 9.2)      | 0.0000245 (0.0000102, 0.0000468) | 0.00959 (0.00402, 0.01781) | 1.6 (0.7, 3.2)    | 0.0000069 (0.0000029, 0.0000137) | 0.00489 (0.00214, 0.00931) |
| Nusa Tenggara Barat | Falls                                         | 25  | 7.8 (4.3, 12.6)     | 0.0000397 (0.0000220, 0.0000636) | 0.01553 (0.00903, 0.02339) | 3.3 (1.8, 5.5)    | 0.000014 (0.0000076, 0.0000230)  | 0.00997 (0.00553, 0.01593) |
| Nusa Tenggara Barat | Interpersonal violence                        | 25  | 7.7 (4.5, 12.7)     | 0.000039 (0.0000228, 0.0000645)  | 0.01524 (0.00950, 0.02310) | 4.2 (2.4, 7.4)    | 0.0000179 (0.0000101, 0.0000313) | 0.01277 (0.00737, 0.02094) |
| Nusa Tenggara Barat | Self-harm                                     | 25  | 9.7 (5.4, 16.0)     | 0.0000493 (0.0000273, 0.0000809) | 0.01928 (0.01147, 0.03112) | 4.4 (2.4, 7.8)    | 0.0000186 (0.0000101, 0.0000329) | 0.0132 (0.00761, 0.02200)  |
| Nusa Tenggara Barat | Transport injuries                            | 25  | 80.9 (60.3, 107.0)  | 0.00041 (0.0003053, 0.0005424)   | 0.16019 (0.13254, 0.18815) | 25.8 (18.3, 35.0) | 0.0001086 (0.0000773, 0.0001478) | 0.0774 (0.05947, 0.09604)  |
| Nusa Tenggara Barat | Other unintentional injuries                  | 25  | 23.6 (15.9, 33.4)   | 0.0001194 (0.0000805, 0.0001690) | 0.04662 (0.03369, 0.06203) | 8.4 (5.4, 12.3)   | 0.0000353 (0.0000226, 0.0000517) | 0.02515 (0.01718, 0.03506) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 30  | 8.4 (5.0, 12.8)     | 0.0000472 (0.0000283, 0.0000718) | 0.0163 (0.01027, 0.02419)  | 6.8 (4.0, 10.7)   | 0.0000331 (0.0000194, 0.0000519) | 0.01882 (0.01204, 0.02737) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 30  | 16.1 (7.9, 27.5)    | 0.0000903 (0.0000441, 0.0001543) | 0.0312 (0.01605, 0.05060)  | 8.9 (4.4, 15.5)   | 0.0000433 (0.0000214, 0.0000750) | 0.02463 (0.01311, 0.03983) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 30  | 6.3 (4.0, 9.7)      | 0.0000354 (0.0000226, 0.0000545) | 0.01222 (0.00829, 0.01797) | 3.0 (1.8, 4.7)    | 0.0000146 (0.0000086, 0.0000226) | 0.00834 (0.00539, 0.01225) |
| Nusa Tenggara Barat | Malaria                                       | 30  | 6.3 (2.9, 11.8)     | 0.0000355 (0.0000162, 0.0000660) | 0.01228 (0.00583, 0.02171) | 3.0 (1.3, 5.7)    | 0.0000147 (0.0000065, 0.0000278) | 0.00836 (0.00388, 0.01552) |
| Nusa Tenggara Barat | Tuberculosis                                  | 30  | 90.1 (68.6, 118.0)  | 0.0005061 (0.0003852, 0.0006626) | 0.17475 (0.14859, 0.20092) | 34.6 (25.3, 47.2) | 0.0001681 (0.0001226, 0.0002292) | 0.0957 (0.07527, 0.11754)  |
| Nusa Tenggara Barat | Maternal disorders                            | 30  |                     |                                  |                            | 31.9 (21.4, 46.1) | 0.000155 (0.0001039, 0.0002237)  | 0.08828 (0.06292, 0.11526) |
| Nusa Tenggara Barat | Other communicable diseases                   | 30  | 26.0 (17.8, 37.7)   | 0.0001461 (0.0000997, 0.0002114) | 0.05037 (0.03739, 0.06520) | 15.3 (10.3, 21.9) | 0.0000743 (0.0000500, 0.0001061) | 0.04228 (0.03109, 0.05608) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 30  | 2.5 (1.0, 5.2)      | 0.0000142 (0.0000058, 0.0000293) | 0.00491 (0.00203, 0.01006) | 1.1 (0.5, 2.2)    | 0.0000052 (0.0000022, 0.0000105) | 0.00298 (0.00129, 0.00563) |
| Nusa Tenggara Barat | Breast cancer                                 | 30  | 0.2 (0.1, 0.6)      | 0.0000011 (0.0000003, 0.0000031) | 0.00038 (0.00010, 0.00109) | 30.2 (20.5, 42.5) | 0.0001466 (0.0000996, 0.0002062) | 0.08345 (0.06059, 0.10856) |
| Nusa Tenggara Barat | Cervical cancer                               | 30  |                     |                                  |                            | 5.5 (2.0, 10.9)   | 0.0000266 (0.0000099, 0.0000529) | 0.0151 (0.00587, 0.02921)  |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 30  | 32.9 (24.2, 44.9)   | 0.0001847 (0.0001358, 0.0002520) | 0.06371 (0.05083, 0.07687) | 32.8 (22.7, 46.4) | 0.000159 (0.0001100, 0.0002250)  | 0.09044 (0.06730, 0.11441) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 30  | 28.8 (21.3, 37.7)   | 0.0001617 (0.0001195, 0.0002119) | 0.05583 (0.04589, 0.06585) | 23.4 (17.6, 30.7) | 0.0001134 (0.0000854, 0.0001491) | 0.06456 (0.05388, 0.07591) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 30  | 40.6 (31.0, 52.8)   | 0.0002278 (0.0001742, 0.0002967) | 0.07865 (0.06626, 0.09191) | 17.9 (13.4, 24.1) | 0.0000866 (0.0000649, 0.0001170) | 0.04934 (0.04013, 0.05930) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 30  | 8.5 (5.6, 12.2)     | 0.0000478 (0.0000317, 0.0000683) | 0.01648 (0.01190, 0.02159) | 8.7 (6.0, 12.7)   | 0.0000424 (0.0000289, 0.0000619) | 0.02411 (0.01740, 0.03199) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 30  | 8.0 (5.5, 11.2)     | 0.0000449 (0.0000311, 0.0000628) | 0.0155 (0.01138, 0.02039)  | 10.9 (7.6, 15.8)  | 0.0000527 (0.0000368, 0.0000765) | 0.03002 (0.02265, 0.03938) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 30  | 14.1 (9.9, 20.0)    | 0.0000794 (0.0000556, 0.0001124) | 0.02743 (0.02083, 0.03603) | 10.8 (7.5, 15.4)  | 0.0000524 (0.0000365, 0.0000748) | 0.02987 (0.02212, 0.03970) |
| Nusa Tenggara Barat | Cirrhosis                                     | 30  | 37.8 (27.6, 51.7)   | 0.0002124 (0.0001550, 0.0002901) | 0.0733 (0.05902, 0.09000)  | 19.9 (14.4, 27.2) | 0.0000966 (0.0000701, 0.0001320) | 0.05505 (0.04279, 0.06866) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 30  | 21.4 (14.7, 30.1)   | 0.0001202 (0.0000828, 0.0001687) | 0.04151 (0.03104, 0.05292) | 14.4 (9.9, 20.0)  | 0.0000698 (0.0000480, 0.0000973) | 0.0397 (0.02972, 0.05105)  |
| Nusa Tenggara Barat | Other non-communicable diseases               | 30  | 45.2 (34.6, 60.7)   | 0.0002538 (0.0001945, 0.0003411) | 0.08762 (0.07406, 0.10150) | 37.3 (28.5, 49.9) | 0.0001809 (0.0001382, 0.0002421) | 0.10293 (0.08755, 0.11911) |
| Nusa Tenggara Barat | Drowning                                      | 30  | 6.0 (2.7, 11.1)     | 0.0000339 (0.0000153, 0.0000626) | 0.01176 (0.00539, 0.02149) | 2.3 (1.0, 4.4)    | 0.0000111 (0.0000048, 0.0000211) | 0.0063 (0.00282, 0.01157)  |
| Nusa Tenggara Barat | Falls                                         | 30  | 10.0 (5.9, 15.8)    | 0.0000563 (0.0000334, 0.0000888) | 0.01941 (0.01190, 0.02965) | 4.6 (2.7, 7.6)    | 0.0000225 (0.0000130, 0.0000367) | 0.01278 (0.00763, 0.01974) |
| Nusa Tenggara Barat | Interpersonal violence                        | 30  | 5.7 (3.3, 9.1)      | 0.000032 (0.0000185, 0.0000509)  | 0.01104 (0.00662, 0.01749) | 3.2 (1.8, 5.6)    | 0.0000156 (0.0000085, 0.0000273) | 0.0089 (0.00513, 0.01451)  |
| Nusa Tenggara Barat | Self-harm                                     | 30  | 6.9 (4.0, 11.8)     | 0.0000388 (0.0000223, 0.0000661) | 0.01341 (0.00789, 0.02183) | 3.2 (1.7, 5.8)    | 0.0000153 (0.0000083, 0.0000279) | 0.00872 (0.00501, 0.01468) |
| Nusa Tenggara Barat | Transport injuries                            | 30  | 72.2 (53.9, 96.1)   | 0.0004057 (0.0003026, 0.0005395) | 0.14001 (0.11541, 0.16853) | 24.3 (16.8, 33.5) | 0.0001178 (0.0000814, 0.0001624) | 0.06703 (0.05166, 0.08502) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 30  | 21.6 (14.4, 31.9)   | 0.0001216 (0.0000810, 0.0001788) | 0.04194 (0.03004, 0.05654) | 8.1 (5.2, 12.2)   | 0.0000392 (0.0000254, 0.0000590) | 0.02232 (0.01518, 0.03095) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 35  | 8.0 (4.9, 12.7)     | 0.0000471 (0.0000289, 0.0000750) | 0.01257 (0.00808, 0.01876) | 7.1 (4.3, 11.1)   | 0.0000373 (0.0000229, 0.0000583) | 0.01452 (0.00929, 0.02131) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 35  | 15.0 (7.0, 26.7)    | 0.0000887 (0.0000416, 0.0001579) | 0.02369 (0.01180, 0.04111) | 8.7 (4.0, 15.6)   | 0.0000456 (0.0000213, 0.0000822) | 0.01776 (0.00867, 0.03012) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 35  | 7.2 (4.7, 11.2)     | 0.0000425 (0.0000279, 0.0000662) | 0.01133 (0.00777, 0.01628) | 3.9 (2.3, 6.1)    | 0.0000205 (0.0000123, 0.0000322) | 0.008 (0.00510, 0.01190)   |
| Nusa Tenggara Barat | Malaria                                       | 35  | 5.8 (2.7, 10.8)     | 0.0000345 (0.0000161, 0.0000637) | 0.00922 (0.00444, 0.01608) | 2.7 (1.2, 5.2)    | 0.000014 (0.0000064, 0.0000275)  | 0.00547 (0.00252, 0.01011) |
| Nusa Tenggara Barat | Tuberculosis                                  | 35  | 100.2 (76.3, 130.1) | 0.0005918 (0.0004507, 0.0007684) | 0.15785 (0.13261, 0.18143) | 37.5 (26.7, 52.9) | 0.0001977 (0.0001407, 0.0002786) | 0.07702 (0.05960, 0.09666) |
| Nusa Tenggara Barat | Maternal disorders                            | 35  |                     |                                  |                            | 43.0 (28.3, 61.6) | 0.0002269 (0.0001491, 0.0003247) | 0.08839 (0.06286, 0.11500) |
| Nusa Tenggara Barat | Other communicable diseases                   | 35  | 25.4 (17.3, 35.9)   | 0.0001498 (0.0001024, 0.0002120) | 0.0399 (0.02959, 0.05115)  | 17.0 (11.1, 24.5) | 0.0000894 (0.0000585, 0.0001293) | 0.03483 (0.02515, 0.04574) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 35  | 2.9 (1.3, 5.6)      | 0.0000174 (0.0000075, 0.0000332) | 0.00465 (0.00204, 0.00874) | 1.6 (0.7, 3.0)    | 0.0000083 (0.0000038, 0.0000160) | 0.00324 (0.00150, 0.00614) |
| Nusa Tenggara Barat | Breast cancer                                 | 35  | 0.4 (0.1, 1.0)      | 0.0000023 (0.0000007, 0.0000061) | 0.00063 (0.00017, 0.00158) | 45.5 (31.5, 64.7) | 0.0002399 (0.0001663, 0.0003409) | 0.09353 (0.07117, 0.12166) |
| Nusa Tenggara Barat | Cervical cancer                               | 35  |                     |                                  |                            | 11.9 (4.9, 23.5)  | 0.0000626 (0.0000258, 0.0001238) | 0.02431 (0.01108, 0.04464) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 35  | 50.2 (37.0, 67.4)   | 0.0002962 (0.0002184, 0.0003982) | 0.07896 (0.06450, 0.09524) | 38.9 (26.6, 55.6) | 0.0002051 (0.0001402, 0.0002933) | 0.07987 (0.06005, 0.10155) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                            | Females             |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 35  | 51.8 (39.4, 66.5)    | 0.000306 (0.0002327, 0.0003926)  | 0.08163 (0.06935, 0.09459) | 44.9 (33.9, 59.1)   | 0.0002369 (0.0001787, 0.0003114) | 0.0923 (0.07953, 0.10653)  |
| Nusa Tenggara Barat | Ischemic heart disease                        | 35  | 63.9 (49.2, 82.1)    | 0.0003776 (0.0002907, 0.0004852) | 0.10071 (0.08718, 0.11541) | 29.7 (22.2, 40.0)   | 0.0001566 (0.0001172, 0.0002111) | 0.06105 (0.05108, 0.07285) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 35  | 12.4 (8.5, 17.7)     | 0.0000732 (0.0000501, 0.0001046) | 0.01951 (0.01476, 0.02506) | 12.8 (8.8, 18.3)    | 0.0000675 (0.0000463, 0.0000966) | 0.02629 (0.01996, 0.03383) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 35  | 16.4 (11.7, 22.7)    | 0.000097 (0.0000691, 0.0001339)  | 0.02586 (0.01962, 0.03339) | 21.9 (15.7, 30.9)   | 0.0001157 (0.0000827, 0.0001627) | 0.04507 (0.03483, 0.05713) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 35  | 18.3 (12.9, 25.8)    | 0.0001078 (0.0000762, 0.0001527) | 0.02875 (0.02199, 0.03830) | 13.4 (9.4, 19.4)    | 0.0000707 (0.0000495, 0.0001021) | 0.02756 (0.02071, 0.03645) |
| Nusa Tenggara Barat | Cirrhosis                                     | 35  | 52.6 (39.1, 71.3)    | 0.0003105 (0.0002311, 0.0004214) | 0.08275 (0.06770, 0.10062) | 29.5 (21.5, 40.1)   | 0.0001556 (0.0001131, 0.0002112) | 0.06067 (0.04835, 0.07526) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 35  | 28.9 (20.9, 40.2)    | 0.0001705 (0.0001237, 0.0002376) | 0.04545 (0.03566, 0.05759) | 18.7 (12.8, 25.8)   | 0.0000983 (0.0000673, 0.0001360) | 0.03829 (0.02912, 0.04854) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 35  | 53.2 (40.7, 70.5)    | 0.0003143 (0.0002406, 0.0004165) | 0.0838 (0.07080, 0.09731)  | 45.8 (34.5, 61.4)   | 0.0002414 (0.0001817, 0.0003239) | 0.09401 (0.08030, 0.10992) |
| Nusa Tenggara Barat | Drowning                                      | 35  | 8.9 (4.3, 16.7)      | 0.0000524 (0.0000252, 0.0000988) | 0.01399 (0.00662, 0.02585) | 4.6 (2.0, 8.4)      | 0.0000241 (0.0000107, 0.0000445) | 0.00937 (0.00434, 0.01657) |
| Nusa Tenggara Barat | Falls                                         | 35  | 11.6 (7.0, 18.4)     | 0.0000687 (0.0000413, 0.0001085) | 0.01832 (0.01150, 0.02798) | 6.8 (4.0, 11.0)     | 0.0000356 (0.0000209, 0.0000580) | 0.0139 (0.00874, 0.02155)  |
| Nusa Tenggara Barat | Interpersonal violence                        | 35  | 5.4 (3.1, 8.8)       | 0.0000317 (0.0000182, 0.0000518) | 0.00846 (0.00510, 0.01295) | 3.0 (1.6, 5.5)      | 0.000016 (0.0000082, 0.0000291)  | 0.00623 (0.00334, 0.01076) |
| Nusa Tenggara Barat | Self-harm                                     | 35  | 7.0 (3.9, 11.9)      | 0.0000411 (0.0000230, 0.0000700) | 0.01096 (0.00649, 0.01885) | 3.0 (1.7, 5.6)      | 0.000016 (0.0000087, 0.0000295)  | 0.00622 (0.00353, 0.01070) |
| Nusa Tenggara Barat | Transport injuries                            | 35  | 66.7 (49.2, 91.1)    | 0.000394 (0.0002905, 0.0005378)  | 0.10503 (0.08441, 0.12830) | 25.7 (17.7, 36.4)   | 0.0001356 (0.0000935, 0.0001917) | 0.05286 (0.04010, 0.06765) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 35  | 22.9 (15.0, 33.6)    | 0.000135 (0.0000885, 0.0001987)  | 0.03599 (0.02563, 0.04855) | 9.4 (6.0, 14.1)     | 0.0000495 (0.0000315, 0.0000744) | 0.01928 (0.01290, 0.02705) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 40  | 9.0 (5.6, 13.7)      | 0.0000621 (0.0000385, 0.0000946) | 0.01182 (0.00784, 0.01681) | 9.3 (5.6, 14.5)     | 0.0000588 (0.0000352, 0.0000909) | 0.01594 (0.01042, 0.02303) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 40  | 8.2 (3.7, 14.4)      | 0.0000567 (0.0000252, 0.0001058) | 0.01081 (0.00507, 0.01941) | 5.4 (2.3, 10.4)     | 0.000034 (0.0000146, 0.0000653)  | 0.0092 (0.00413, 0.01709)  |
| Nusa Tenggara Barat | Lower respiratory infections                  | 40  | 7.6 (5.1, 11.6)      | 0.0000527 (0.0000349, 0.0000797) | 0.01003 (0.00689, 0.01421) | 5.2 (3.2, 7.8)      | 0.0000326 (0.0000204, 0.0000493) | 0.00884 (0.00580, 0.01290) |
| Nusa Tenggara Barat | Malaria                                       | 40  | 5.8 (2.7, 10.5)      | 0.0000398 (0.0000189, 0.0000724) | 0.00759 (0.00371, 0.01344) | 2.7 (1.1, 5.5)      | 0.0000168 (0.0000071, 0.0000348) | 0.00458 (0.00200, 0.00922) |
| Nusa Tenggara Barat | Tuberculosis                                  | 40  | 94.4 (73.1, 124.1)   | 0.0006506 (0.0005034, 0.0008548) | 0.12392 (0.10572, 0.14044) | 37.9 (26.8, 52.5)   | 0.0002386 (0.0001687, 0.0003303) | 0.06476 (0.04915, 0.08040) |
| Nusa Tenggara Barat | Maternal disorders                            | 40  |                      |                                  |                            | 31.0 (17.8, 48.4)   | 0.0001947 (0.0001119, 0.0003044) | 0.05291 (0.03192, 0.07715) |
| Nusa Tenggara Barat | Other communicable diseases                   | 40  | 26.1 (17.9, 36.7)    | 0.00018 (0.0001231, 0.0002528)   | 0.03423 (0.02549, 0.04383) | 21.3 (14.0, 29.9)   | 0.0001341 (0.0000883, 0.0001882) | 0.03642 (0.02678, 0.04732) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 40  | 5.2 (2.5, 9.4)       | 0.0000357 (0.0000170, 0.0000648) | 0.00681 (0.00331, 0.01187) | 2.0 (0.9, 4.0)      | 0.0000129 (0.0000059, 0.0000253) | 0.00349 (0.00159, 0.00654) |
| Nusa Tenggara Barat | Breast cancer                                 | 40  | 0.8 (0.3, 1.9)       | 0.0000053 (0.0000018, 0.0000128) | 0.00102 (0.00035, 0.00231) | 54.0 (36.8, 77.2)   | 0.00034 (0.0002318, 0.0004855)   | 0.09235 (0.06921, 0.12039) |
| Nusa Tenggara Barat | Cervical cancer                               | 40  |                      |                                  |                            | 19.7 (8.5, 37.3)    | 0.0001238 (0.0000535, 0.0002347) | 0.03349 (0.01583, 0.05620) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 40  | 69.9 (52.0, 92.6)    | 0.0004814 (0.0003581, 0.0006380) | 0.09163 (0.07544, 0.10823) | 39.9 (27.2, 57.0)   | 0.0002511 (0.0001711, 0.0003587) | 0.06815 (0.04999, 0.08909) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 40  | 88.1 (69.7, 111.7)   | 0.0006069 (0.0004803, 0.0007700) | 0.1156 (0.10174, 0.13049)  | 76.2 (59.2, 99.2)   | 0.0004791 (0.0003721, 0.0006243) | 0.13003 (0.11525, 0.14742) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 40  | 98.6 (77.2, 128.0)   | 0.0006791 (0.0005318, 0.0008818) | 0.12934 (0.11167, 0.14734) | 46.0 (35.1, 60.4)   | 0.0002894 (0.0002206, 0.0003799) | 0.07856 (0.06665, 0.09219) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 40  | 18.6 (13.0, 26.4)    | 0.0001282 (0.0000895, 0.0001822) | 0.0244 (0.01845, 0.03153)  | 17.8 (12.5, 24.9)   | 0.0001121 (0.0000789, 0.0001567) | 0.03045 (0.02308, 0.03914) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 40  | 35.4 (26.0, 47.4)    | 0.0002438 (0.0001792, 0.0003264) | 0.04643 (0.03679, 0.05728) | 43.3 (30.9, 58.8)   | 0.0002724 (0.0001942, 0.0003701) | 0.07392 (0.05922, 0.08859) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 40  | 23.7 (16.7, 33.3)    | 0.000163 (0.0001150, 0.0002294)  | 0.03104 (0.02360, 0.03980) | 15.6 (10.9, 22.2)   | 0.0000981 (0.0000688, 0.0001395) | 0.02665 (0.01995, 0.03534) |
| Nusa Tenggara Barat | Cirrhosis                                     | 40  | 68.7 (52.1, 92.7)    | 0.0004734 (0.0003588, 0.0006384) | 0.09012 (0.07393, 0.10893) | 38.4 (28.4, 52.1)   | 0.0002418 (0.0001789, 0.0003276) | 0.06567 (0.05257, 0.08186) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 40  | 38.4 (28.5, 52.2)    | 0.0002645 (0.0001962, 0.0003597) | 0.05038 (0.04038, 0.06183) | 22.1 (15.8, 30.0)   | 0.000139 (0.0000991, 0.0001887)  | 0.03771 (0.02965, 0.04650) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 40  | 61.8 (47.1, 80.8)    | 0.0004256 (0.0003244, 0.0005568) | 0.08105 (0.06844, 0.09410) | 51.5 (39.0, 68.8)   | 0.0003239 (0.0002452, 0.0004328) | 0.08788 (0.07470, 0.10249) |
| Nusa Tenggara Barat | Drowning                                      | 40  | 5.3 (2.3, 10.1)      | 0.0000363 (0.0000160, 0.0000694) | 0.00692 (0.00326, 0.01330) | 3.4 (1.4, 6.9)      | 0.0000216 (0.0000088, 0.0000437) | 0.00583 (0.00243, 0.01135) |
| Nusa Tenggara Barat | Falls                                         | 40  | 11.0 (6.3, 17.3)     | 0.0000761 (0.0000436, 0.0001190) | 0.01449 (0.00889, 0.02198) | 7.4 (4.2, 11.8)     | 0.0000466 (0.0000262, 0.0000742) | 0.01266 (0.00755, 0.01944) |
| Nusa Tenggara Barat | Interpersonal violence                        | 40  | 4.1 (2.3, 6.7)       | 0.0000283 (0.0000158, 0.0000459) | 0.00538 (0.00320, 0.00830) | 2.1 (1.0, 4.0)      | 0.0000133 (0.0000065, 0.0000255) | 0.00361 (0.00186, 0.00674) |
| Nusa Tenggara Barat | Self-harm                                     | 40  | 5.9 (3.3, 10.1)      | 0.000041 (0.0000229, 0.0000694)  | 0.00781 (0.00452, 0.01298) | 2.3 (1.1, 4.3)      | 0.0000142 (0.0000070, 0.0000273) | 0.00385 (0.00195, 0.00689) |
| Nusa Tenggara Barat | Transport injuries                            | 40  | 56.8 (41.0, 77.4)    | 0.0003914 (0.0002823, 0.0005335) | 0.07452 (0.05904, 0.09336) | 23.3 (15.6, 32.7)   | 0.0001466 (0.0000984, 0.0002055) | 0.03978 (0.02991, 0.05135) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 40  | 18.8 (12.3, 27.9)    | 0.0001296 (0.0000849, 0.0001923) | 0.02467 (0.01718, 0.03410) | 7.8 (4.8, 12.2)     | 0.0000488 (0.0000305, 0.0000766) | 0.01325 (0.00871, 0.01911) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 45  | 9.7 (6.2, 14.7)      | 0.00008 (0.0000518, 0.0001217)   | 0.01085 (0.00746, 0.01560) | 14.9 (9.7, 22.2)    | 0.0001125 (0.0000733, 0.0001676) | 0.01931 (0.01363, 0.02687) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 45  | 4.5 (1.9, 8.7)       | 0.000037 (0.0000156, 0.0000719)  | 0.00502 (0.00223, 0.00968) | 4.4 (1.8, 8.9)      | 0.0000335 (0.0000134, 0.0000676) | 0.00573 (0.00241, 0.01114) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 45  | 10.4 (6.8, 15.6)     | 0.0000862 (0.0000568, 0.0001297) | 0.0117 (0.00824, 0.01641)  | 10.6 (7.0, 15.5)    | 0.0000798 (0.0000530, 0.0001175) | 0.01371 (0.00962, 0.01934) |
| Nusa Tenggara Barat | Malaria                                       | 45  | 4.8 (2.2, 9.1)       | 0.0000396 (0.0000179, 0.0000757) | 0.00538 (0.00255, 0.00986) | 3.2 (1.3, 6.7)      | 0.0000245 (0.0000098, 0.0000503) | 0.00421 (0.00179, 0.00843) |
| Nusa Tenggara Barat | Tuberculosis                                  | 45  | 100.7 (76.7, 130.6)  | 0.0008351 (0.0006362, 0.0010826) | 0.11337 (0.09833, 0.12924) | 58.7 (44.1, 76.5)   | 0.0004443 (0.0003336, 0.0005787) | 0.07632 (0.06287, 0.09058) |
| Nusa Tenggara Barat | Maternal disorders                            | 45  |                      |                                  |                            | 7.8 (3.3, 15.5)     | 0.000059 (0.0000250, 0.0001172)  | 0.01014 (0.00442, 0.01975) |
| Nusa Tenggara Barat | Other communicable diseases                   | 45  | 25.0 (17.4, 34.1)    | 0.0002071 (0.0001443, 0.0002830) | 0.0281 (0.02130, 0.03570)  | 30.5 (21.6, 41.4)   | 0.0002308 (0.0001633, 0.0003135) | 0.03963 (0.03045, 0.04966) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 45  | 6.9 (3.4, 12.6)      | 0.0000571 (0.0000285, 0.0001046) | 0.00776 (0.00393, 0.01374) | 2.8 (1.3, 5.6)      | 0.0000215 (0.0000097, 0.0000425) | 0.00368 (0.00170, 0.00712) |
| Nusa Tenggara Barat | Breast cancer                                 | 45  | 0.9 (0.4, 1.9)       | 0.0000075 (0.0000031, 0.0000157) | 0.00101 (0.00043, 0.00200) | 60.0 (40.9, 83.9)   | 0.0004538 (0.0003096, 0.0006347) | 0.07799 (0.05735, 0.10506) |
| Nusa Tenggara Barat | Cervical cancer                               | 45  |                      |                                  |                            | 22.5 (9.7, 40.2)    | 0.0001699 (0.0000734, 0.0003041) | 0.0291 (0.01363, 0.04976)  |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 45  | 63.3 (47.0, 85.2)    | 0.0005252 (0.0003899, 0.0007061) | 0.07126 (0.05820, 0.08547) | 42.5 (28.2, 58.8)   | 0.0003217 (0.0002133, 0.0004449) | 0.05524 (0.04034, 0.07179) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 45  | 130.6 (102.8, 164.2) | 0.0010827 (0.0008524, 0.0013608) | 0.147 (0.13125, 0.16448)   | 126.6 (98.0, 159.7) | 0.0009578 (0.0007413, 0.0012077) | 0.16442 (0.14771, 0.18342) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 45  | 128.0 (99.2, 165.0)  | 0.0010608 (0.0008225, 0.0013678) | 0.14401 (0.12661, 0.16138) | 65.5 (50.5, 84.4)   | 0.0004955 (0.0003823, 0.0006387) | 0.08509 (0.07173, 0.09872) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 45  | 23.9 (16.7, 33.2)    | 0.0001977 (0.0001387, 0.0002755) | 0.02683 (0.02016, 0.03384) | 26.0 (18.6, 35.4)   | 0.0001966 (0.0001407, 0.0002676) | 0.03378 (0.02587, 0.04329) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 45  | 56.8 (42.2, 75.2)    | 0.0004706 (0.0003498, 0.0006237) | 0.06388 (0.05139, 0.07748) | 77.4 (56.9, 102.7)  | 0.0005856 (0.0004305, 0.0007769) | 0.10055 (0.08326, 0.11872) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 45  | 24.7 (17.2, 35.0)    | 0.0002048 (0.0001422, 0.0002899) | 0.02779 (0.02110, 0.03587) | 18.3 (12.8, 25.5)   | 0.0001383 (0.0000969, 0.0001928) | 0.02377 (0.01769, 0.03111) |
| Nusa Tenggara Barat | Cirrhosis                                     | 45  | 75.4 (55.8, 101.0)   | 0.0006248 (0.0004625, 0.0008370) | 0.08482 (0.06914, 0.10208) | 48.1 (35.7, 64.9)   | 0.0003635 (0.0002701, 0.0004911) | 0.06244 (0.04974, 0.07603) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 45  | 49.8 (37.5, 65.8)    | 0.000413 (0.0003108, 0.0005454)  | 0.05608 (0.04623, 0.06745) | 33.4 (24.5, 44.6)   | 0.0002528 (0.0001852, 0.0003370) | 0.0434 (0.03525, 0.05281)  |
| Nusa Tenggara Barat | Other non-communicable diseases               | 45  | 63.7 (47.7, 83.9)    | 0.000528 (0.0003953, 0.0006952)  | 0.07166 (0.06086, 0.08370) | 60.2 (45.4, 78.2)   | 0.0004556 (0.0003434, 0.0005915) | 0.07819 (0.06599, 0.09087) |
| Nusa Tenggara Barat | Drowning                                      | 45  | 4.5 (1.9, 9.6)       | 0.0000376 (0.0000154, 0.0000795) | 0.00511 (0.00220, 0.01006) | 3.4 (1.3, 7.3)      | 0.0000259 (0.0000101, 0.0000549) | 0.00443 (0.00177, 0.00895) |
| Nusa Tenggara Barat | Falls                                         | 45  | 14.5 (8.8, 23.1)     | 0.0001202 (0.0000732, 0.0001913) | 0.01632 (0.01039, 0.02426) | 11.1 (6.3, 17.3)    | 0.0000839 (0.0000479, 0.0001311) | 0.01442 (0.00866, 0.02244) |
| Nusa Tenggara Barat | Interpersonal violence                        | 45  | 3.3 (1.9, 5.6)       | 0.0000277 (0.0000155, 0.0000464) | 0.00377 (0.00228, 0.00597) | 1.9 (0.9, 3.9)      | 0.0000145 (0.0000067, 0.0000296) | 0.0025 (0.00119, 0.00483)  |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Self-harm                                     | 45  | 5.3 (2.9, 9.4)       | 0.0000442 (0.0000243, 0.0000781) | 0.006 (0.00344, 0.01033)    | 2.2 (1.0, 4.3)       | 0.0000168 (0.0000078, 0.0000327) | 0.00288 (0.00143, 0.00561) |
| Nusa Tenggara Barat | Transport injuries                            | 45  | 63.6 (46.1, 85.8)    | 0.0005269 (0.0003821, 0.0007112) | 0.07151 (0.05566, 0.08839)  | 29.3 (19.7, 40.4)    | 0.0002214 (0.0001493, 0.0003056) | 0.03803 (0.02792, 0.04984) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 45  | 18.5 (11.9, 27.9)    | 0.000153 (0.0000984, 0.0002310)  | 0.02076 (0.01437, 0.02928)  | 8.5 (5.1, 13.0)      | 0.0000643 (0.0000385, 0.0000987) | 0.01105 (0.00701, 0.01649) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 50  | 14.9 (9.7, 22.1)     | 0.0001398 (0.0000911, 0.0002067) | 0.01274 (0.00902, 0.01739)  | 23.0 (15.3, 33.0)    | 0.0002035 (0.0001356, 0.0002918) | 0.02299 (0.01637, 0.03029) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 50  | 2.2 (0.8, 4.7)       | 0.0000208 (0.0000076, 0.0000437) | 0.0019 (0.00075, 0.00398)   | 2.2 (0.8, 4.9)       | 0.0000199 (0.0000071, 0.0000437) | 0.00224 (0.00080, 0.00462) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 50  | 16.1 (10.7, 23.6)    | 0.0001508 (0.0001006, 0.0002212) | 0.01375 (0.00977, 0.01900)  | 16.4 (11.0, 24.4)    | 0.0001453 (0.0000972, 0.0002156) | 0.01641 (0.01187, 0.02244) |
| Nusa Tenggara Barat | Malaria                                       | 50  | 5.4 (2.4, 9.7)       | 0.0000503 (0.0000222, 0.0000912) | 0.0046 (0.00213, 0.00826)   | 3.7 (1.4, 7.4)       | 0.0000326 (0.0000126, 0.0000656) | 0.00369 (0.00147, 0.00739) |
| Nusa Tenggara Barat | Tuberculosis                                  | 50  | 127.4 (96.4, 161.0)  | 0.0011921 (0.0009022, 0.0015074) | 0.10876 (0.09515, 0.12234)  | 74.7 (55.0, 95.7)    | 0.0006612 (0.0004865, 0.0008474) | 0.07468 (0.06295, 0.08770) |
| Nusa Tenggara Barat | Maternal disorders                            | 50  |                      |                                  |                             | 3.9 (1.2, 9.7)       | 0.0000343 (0.0000104, 0.0000859) | 0.00389 (0.00117, 0.00950) |
| Nusa Tenggara Barat | Other communicable diseases                   | 50  | 29.8 (20.2, 41.3)    | 0.0002789 (0.0001895, 0.0003868) | 0.02542 (0.01918, 0.03218)  | 36.3 (24.7, 48.9)    | 0.0003217 (0.0002188, 0.0004333) | 0.03634 (0.02804, 0.04576) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 50  | 8.5 (4.1, 15.6)      | 0.0000796 (0.0000384, 0.0001464) | 0.00728 (0.00360, 0.01295)  | 3.5 (1.6, 7.3)       | 0.0000314 (0.0000138, 0.0000650) | 0.00355 (0.00159, 0.00682) |
| Nusa Tenggara Barat | Breast cancer                                 | 50  | 0.9 (0.4, 1.8)       | 0.0000085 (0.0000039, 0.0000166) | 0.00077 (0.00037, 0.00138)  | 57.5 (38.2, 81.1)    | 0.0005094 (0.0003379, 0.0007181) | 0.0576 (0.04141, 0.07814)  |
| Nusa Tenggara Barat | Cervical cancer                               | 50  |                      |                                  |                             | 23.6 (10.5, 41.6)    | 0.0002088 (0.0000931, 0.0003685) | 0.02352 (0.01126, 0.04118) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 50  | 62.8 (45.8, 84.4)    | 0.000588 (0.0004289, 0.0007899)  | 0.0536 (0.04359, 0.06490)   | 47.8 (31.8, 66.5)    | 0.0004236 (0.0002812, 0.0005891) | 0.04785 (0.03484, 0.06306) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 50  | 208.4 (159.8, 262.0) | 0.0019509 (0.0014957, 0.0024522) | 0.17795 (0.15971, 0.19588)  | 198.0 (154.3, 246.5) | 0.001753 (0.0013663, 0.0021820)  | 0.198 (0.17867, 0.21835)   |
| Nusa Tenggara Barat | Ischemic heart disease                        | 50  | 182.7 (140.4, 233.2) | 0.00171 (0.0013137, 0.0021832)   | 0.15598 (0.13874, 0.17410)  | 91.6 (70.7, 118.5)   | 0.0008113 (0.0006259, 0.0010488) | 0.09167 (0.07836, 0.10573) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 50  | 36.6 (25.3, 51.0)    | 0.0003427 (0.0002366, 0.0004777) | 0.03124 (0.02393, 0.03911)  | 39.6 (28.6, 53.2)    | 0.0003504 (0.0002534, 0.0004713) | 0.0396 (0.03052, 0.05054)  |
| Nusa Tenggara Barat | Diabetes mellitus                             | 50  | 87.8 (64.0, 117.1)   | 0.000822 (0.0005989, 0.0010957)  | 0.07496 (0.06147, 0.08976)  | 118.1 (86.5, 153.7)  | 0.0010454 (0.0007654, 0.0013608) | 0.11809 (0.09923, 0.13777) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 50  | 29.8 (20.5, 41.7)    | 0.0002793 (0.0001917, 0.0003906) | 0.02546 (0.01927, 0.03273)  | 22.0 (15.1, 30.8)    | 0.0001946 (0.0001340, 0.0002726) | 0.02199 (0.01623, 0.02870) |
| Nusa Tenggara Barat | Cirrhosis                                     | 50  | 93.6 (67.5, 124.2)   | 0.000876 (0.0006317, 0.0011629)  | 0.07991 (0.06525, 0.09638)  | 59.0 (43.0, 79.6)    | 0.0005225 (0.0003804, 0.0007047) | 0.05905 (0.04723, 0.07237) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 50  | 77.1 (56.6, 102.3)   | 0.0007218 (0.0005299, 0.0009579) | 0.06588 (0.05440, 0.07819)  | 51.6 (37.4, 68.1)    | 0.0004571 (0.0003307, 0.0006028) | 0.0516 (0.04208, 0.06189)  |
| Nusa Tenggara Barat | Other non-communicable diseases               | 50  | 79.1 (58.3, 103.0)   | 0.0007408 (0.0005453, 0.0009643) | 0.06756 (0.05727, 0.07875)  | 74.1 (56.0, 96.3)    | 0.0006556 (0.0004958, 0.0008523) | 0.07404 (0.06308, 0.08700) |
| Nusa Tenggara Barat | Drowning                                      | 50  | 4.0 (1.6, 8.3)       | 0.0000375 (0.0000148, 0.0000778) | 0.00343 (0.00139, 0.00709)  | 2.8 (1.0, 6.2)       | 0.0000251 (0.0000085, 0.0000549) | 0.00282 (0.00102, 0.00586) |
| Nusa Tenggara Barat | Falls                                         | 50  | 19.6 (11.9, 30.6)    | 0.0001838 (0.0001112, 0.0002861) | 0.01674 (0.01092, 0.02435)  | 14.0 (8.4, 21.7)     | 0.000124 (0.0000742, 0.0001918)  | 0.01402 (0.00900, 0.02061) |
| Nusa Tenggara Barat | Interpersonal violence                        | 50  | 3.0 (1.6, 5.3)       | 0.0000277 (0.0000145, 0.0000493) | 0.00252 (0.00143, 0.00424)  | 1.6 (0.7, 3.3)       | 0.0000143 (0.0000063, 0.0000294) | 0.00161 (0.00070, 0.00336) |
| Nusa Tenggara Barat | Self-harm                                     | 50  | 5.2 (2.7, 9.2)       | 0.0000483 (0.0000252, 0.0000865) | 0.00441 (0.00245, 0.00742)  | 2.0 (0.9, 4.0)       | 0.0000181 (0.0000083, 0.0000353) | 0.00204 (0.00098, 0.00390) |
| Nusa Tenggara Barat | Transport injuries                            | 50  | 59.0 (40.0, 81.5)    | 0.0005518 (0.0003745, 0.0007625) | 0.05028 (0.03862, 0.06367)  | 25.2 (16.5, 35.5)    | 0.0002229 (0.0001463, 0.0003144) | 0.02517 (0.01831, 0.03336) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 50  | 17.4 (10.8, 25.8)    | 0.0001632 (0.0001007, 0.0002415) | 0.01488 (0.01033, 0.02075)  | 7.5 (4.6, 11.5)      | 0.0000666 (0.0000405, 0.0001022) | 0.00753 (0.00480, 0.01105) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 55  | 15.9 (10.3, 22.8)    | 0.0002133 (0.0001388, 0.0003069) | 0.0136 (0.00964, 0.01857)   | 24.3 (16.8, 33.6)    | 0.0003361 (0.0002326, 0.0004641) | 0.02516 (0.01825, 0.03256) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 55  | 0.9 (0.3, 2.0)       | 0.0000123 (0.0000042, 0.0000271) | 0.00078 (0.000028, 0.00170) | 0.9 (0.3, 2.1)       | 0.0000124 (0.0000038, 0.0000297) | 0.00093 (0.00029, 0.00210) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 55  | 16.5 (11.1, 24.1)    | 0.0002221 (0.0001489, 0.0003240) | 0.01415 (0.00994, 0.01955)  | 16.9 (11.4, 24.2)    | 0.0002331 (0.0001577, 0.0003348) | 0.01744 (0.01258, 0.02390) |
| Nusa Tenggara Barat | Malaria                                       | 55  | 5.1 (2.3, 9.5)       | 0.000069 (0.0000308, 0.0001277)  | 0.0044 (0.00212, 0.00791)   | 3.3 (1.3, 6.8)       | 0.0000457 (0.0000182, 0.0000937) | 0.00343 (0.00138, 0.00696) |
| Nusa Tenggara Barat | Tuberculosis                                  | 55  | 110.3 (83.5, 142.7)  | 0.0014829 (0.0011230, 0.0019192) | 0.09453 (0.08176, 0.10821)  | 60.7 (45.5, 77.3)    | 0.0008388 (0.0006291, 0.0010683) | 0.06277 (0.05203, 0.07400) |
| Nusa Tenggara Barat | Other communicable diseases                   | 55  | 27.9 (18.7, 39.0)    | 0.0003748 (0.0002515, 0.0005248) | 0.02386 (0.01806, 0.03037)  | 34.5 (23.9, 46.3)    | 0.0004763 (0.0003298, 0.0006402) | 0.03564 (0.02737, 0.04573) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 55  | 9.3 (4.5, 16.8)      | 0.0001248 (0.0000604, 0.0002258) | 0.00797 (0.00406, 0.01391)  | 2.7 (1.2, 5.5)       | 0.0000376 (0.0000160, 0.0000758) | 0.00282 (0.00126, 0.00547) |
| Nusa Tenggara Barat | Breast cancer                                 | 55  | 0.7 (0.3, 1.4)       | 0.0000095 (0.0000043, 0.0000183) | 0.0006 (0.00030, 0.00107)   | 40.8 (26.7, 57.8)    | 0.000564 (0.0003692, 0.0007987)  | 0.04224 (0.02981, 0.05848) |
| Nusa Tenggara Barat | Cervical cancer                               | 55  |                      |                                  |                             | 16.1 (7.2, 29.9)     | 0.0002228 (0.0000993, 0.0004130) | 0.01662 (0.00770, 0.02834) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 55  | 47.8 (34.8, 64.5)    | 0.0006429 (0.0004680, 0.0008675) | 0.04095 (0.03309, 0.04989)  | 40.5 (27.3, 55.1)    | 0.0005593 (0.0003771, 0.0007614) | 0.04186 (0.03004, 0.05490) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 55  | 240.8 (185.4, 302.5) | 0.0032377 (0.0024933, 0.0040669) | 0.20631 (0.18715, 0.22565)  | 225.1 (178.1, 276.2) | 0.0031111 (0.0024616, 0.0038167) | 0.23279 (0.21233, 0.25503) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 55  | 201.8 (153.5, 256.0) | 0.0027133 (0.0020642, 0.0034416) | 0.17291 (0.15436, 0.19152)  | 98.3 (76.5, 124.2)   | 0.0013585 (0.0010568, 0.0017165) | 0.10168 (0.08746, 0.11645) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 55  | 41.0 (28.2, 57.2)    | 0.0005506 (0.0003792, 0.0007697) | 0.03507 (0.02675, 0.04405)  | 43.0 (31.4, 57.7)    | 0.0005947 (0.0004345, 0.0007969) | 0.04451 (0.03493, 0.05687) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 55  | 91.6 (66.9, 120.6)   | 0.0012316 (0.0008991, 0.0016122) | 0.07848 (0.06424, 0.09376)  | 119.3 (89.7, 151.0)  | 0.0016491 (0.0012394, 0.0020873) | 0.12342 (0.10339, 0.14391) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 55  | 28.2 (19.5, 39.2)    | 0.0003793 (0.0002620, 0.0005265) | 0.02417 (0.01838, 0.03111)  | 19.9 (13.9, 27.5)    | 0.0002748 (0.0001914, 0.0003795) | 0.02057 (0.01488, 0.02714) |
| Nusa Tenggara Barat | Cirrhosis                                     | 55  | 83.6 (60.7, 112.6)   | 0.0011242 (0.0008161, 0.0015145) | 0.07165 (0.05827, 0.08790)  | 52.5 (38.5, 69.8)    | 0.0007262 (0.0005326, 0.0009648) | 0.05436 (0.04286, 0.06701) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 55  | 82.9 (62.6, 108.3)   | 0.0011151 (0.0008410, 0.0014567) | 0.0711 (0.05950, 0.08355)   | 53.5 (39.1, 68.7)    | 0.0007397 (0.0005397, 0.0009493) | 0.05531 (0.04593, 0.06504) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 55  | 81.2 (60.1, 105.9)   | 0.0010913 (0.0008074, 0.0014240) | 0.06952 (0.05931, 0.08078)  | 74.5 (56.8, 96.0)    | 0.00103 (0.0007853, 0.0013264)   | 0.07705 (0.06534, 0.09017) |
| Nusa Tenggara Barat | Drowning                                      | 55  | 2.9 (1.1, 6.0)       | 0.0000385 (0.0000148, 0.0000813) | 0.00246 (0.00099, 0.00492)  | 2.1 (0.7, 4.5)       | 0.0000285 (0.0000095, 0.0000618) | 0.00212 (0.00076, 0.00452) |
| Nusa Tenggara Barat | Falls                                         | 55  | 20.6 (12.8, 31.5)    | 0.0002766 (0.0001719, 0.0004229) | 0.0176 (0.01172, 0.02470)   | 14.4 (9.0, 21.5)     | 0.0001996 (0.0001240, 0.0002977) | 0.01494 (0.00978, 0.02116) |
| Nusa Tenggara Barat | Interpersonal violence                        | 55  | 2.2 (1.1, 3.8)       | 0.0000292 (0.0000154, 0.0000518) | 0.00186 (0.00106, 0.00317)  | 1.1 (0.4, 2.5)       | 0.0000147 (0.0000060, 0.0000340) | 0.0011 (0.00045, 0.00240)  |
| Nusa Tenggara Barat | Self-harm                                     | 55  | 4.3 (2.3, 7.7)       | 0.0000581 (0.0000312, 0.0001035) | 0.0037 (0.00207, 0.00633)   | 1.5 (0.7, 3.0)       | 0.0000207 (0.0000093, 0.0000416) | 0.00155 (0.00075, 0.00308) |
| Nusa Tenggara Barat | Transport injuries                            | 55  | 38.2 (26.2, 53.8)    | 0.0005132 (0.0003528, 0.0007234) | 0.03268 (0.02426, 0.04360)  | 15.5 (9.7, 22.5)     | 0.0002142 (0.0001342, 0.0003116) | 0.01603 (0.01115, 0.02254) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 55  | 13.6 (8.5, 21.1)     | 0.0001826 (0.0001138, 0.0002839) | 0.01264 (0.00795, 0.01658)  | 5.5 (3.2, 8.5)       | 0.0000755 (0.0000442, 0.0001172) | 0.00565 (0.00346, 0.00863) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 60  | 24.9 (16.5, 35.3)    | 0.0004007 (0.0002650, 0.0005689) | 0.01568 (0.01119, 0.02079)  | 38.2 (27.1, 50.9)    | 0.0005788 (0.0004107, 0.0007718) | 0.02813 (0.02052, 0.03637) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 60  | 0.8 (0.2, 1.9)       | 0.0000135 (0.0000040, 0.0000301) | 0.00053 (0.000016, 0.00118) | 0.9 (0.2, 2.1)       | 0.0000129 (0.0000036, 0.0000323) | 0.00062 (0.00018, 0.00152) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 60  | 30.6 (20.2, 44.6)    | 0.0004933 (0.0003259, 0.0007178) | 0.01929 (0.01374, 0.02597)  | 32.6 (22.8, 46.0)    | 0.0004934 (0.0003448, 0.0006974) | 0.02396 (0.01751, 0.03248) |
| Nusa Tenggara Barat | Malaria                                       | 60  | 7.0 (3.1, 12.9)      | 0.000112 (0.0000506, 0.0002078)  | 0.00439 (0.00206, 0.00805)  | 4.6 (1.8, 9.6)       | 0.0000697 (0.0000272, 0.0001450) | 0.00339 (0.00131, 0.00702) |
| Nusa Tenggara Barat | Tuberculosis                                  | 60  | 162.5 (122.5, 205.9) | 0.002617 (0.0019723, 0.0033149)  | 0.10242 (0.08780, 0.11612)  | 95.9 (74.0, 119.6)   | 0.001453 (0.0011207, 0.0018119)  | 0.07063 (0.05879, 0.08363) |
| Nusa Tenggara Barat | Other communicable diseases                   | 60  | 32.1 (20.9, 45.3)    | 0.0005174 (0.0003358, 0.0007297) | 0.02023 (0.01461, 0.02659)  | 39.6 (26.9, 54.1)    | 0.0005993 (0.0004074, 0.0008194) | 0.02913 (0.02136, 0.03889) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 60  | 12.4 (5.9, 22.3)     | 0.0001992 (0.0000949, 0.0003583) | 0.00781 (0.00400, 0.01397)  | 3.3 (1.5, 6.7)       | 0.00005 (0.0000222, 0.0001008)   | 0.00243 (0.00110, 0.00486) |
| Nusa Tenggara Barat | Breast cancer                                 | 60  | 0.7 (0.3, 1.4)       | 0.0000116 (0.0000048, 0.0000219) | 0.00046 (0.00021, 0.00083)  | 39.2 (25.2, 57.3)    | 0.000594 (0.0003819, 0.0008684)  | 0.02889 (0.01952, 0.04072) |
| Nusa Tenggara Barat | Cervical cancer                               | 60  |                      |                                  |                             | 16.3 (7.0, 29.9)     | 0.0002463 (0.0001063, 0.0004530) | 0.01193 (0.00533, 0.02140) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 60  | 56.4 (40.5, 76.3)    | 0.0009075 (0.0006516, 0.0012278) | 0.03549 (0.02893, 0.04293)  | 55.3 (38.0, 73.9)    | 0.0008376 (0.0005757, 0.0011196) | 0.0407 (0.03015, 0.05225)  |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 60  | 349.5 (269.2, 431.2) | 0.0056277 (0.0043349, 0.0069423) | 0.22018 (0.20024, 0.23926) | 341.2 (278.5, 410.0) | 0.0051688 (0.0042189, 0.0062108) | 0.25116 (0.22893, 0.27402) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 60  | 255.8 (197.2, 318.7) | 0.0041187 (0.0031744, 0.0051317) | 0.16114 (0.14350, 0.17920) | 137.8 (109.0, 171.9) | 0.0020868 (0.0016518, 0.0026035) | 0.10141 (0.08660, 0.11657) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 60  | 58.9 (41.2, 80.3)    | 0.0009481 (0.0006630, 0.0012924) | 0.03708 (0.02863, 0.04655) | 63.3 (47.3, 84.0)    | 0.0009589 (0.0007162, 0.0012727) | 0.04661 (0.03672, 0.05959) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 60  | 105.3 (76.3, 137.4)  | 0.0016956 (0.0012278, 0.0022125) | 0.06633 (0.05485, 0.07970) | 145.6 (112.0, 185.2) | 0.0022062 (0.0016972, 0.0028049) | 0.10722 (0.08817, 0.12570) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 60  | 32.9 (22.6, 45.4)    | 0.0005291 (0.0003638, 0.0007306) | 0.02069 (0.01567, 0.02667) | 24.5 (17.2, 33.5)    | 0.0003713 (0.0002613, 0.0005080) | 0.01806 (0.01323, 0.02408) |
| Nusa Tenggara Barat | Cirrhosis                                     | 60  | 96.4 (70.6, 130.7)   | 0.0015514 (0.0011368, 0.0021048) | 0.0607 (0.04960, 0.07488)  | 63.1 (47.0, 82.6)    | 0.0009564 (0.0007127, 0.0012509) | 0.04649 (0.03604, 0.05772) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 60  | 149.9 (114.0, 191.5) | 0.0024141 (0.0018354, 0.0030839) | 0.09448 (0.07983, 0.10872) | 97.7 (76.1, 121.8)   | 0.00148 (0.0011530, 0.0018445)   | 0.0719 (0.05950, 0.08346)  |
| Nusa Tenggara Barat | Other non-communicable diseases               | 60  | 119.9 (88.2, 153.4)  | 0.0019302 (0.0014206, 0.0024702) | 0.07549 (0.06386, 0.08797) | 114.0 (89.0, 143.0)  | 0.0017263 (0.0013480, 0.0021662) | 0.08385 (0.07120, 0.09705) |
| Nusa Tenggara Barat | Drowning                                      | 60  | 3.2 (1.1, 7.2)       | 0.0000512 (0.0000185, 0.0001157) | 0.002 (0.00075, 0.00444)   | 2.3 (0.7, 5.6)       | 0.0000345 (0.0000107, 0.0000851) | 0.00167 (0.00053, 0.00376) |
| Nusa Tenggara Barat | Falls                                         | 60  | 24.4 (15.3, 37.5)    | 0.0003929 (0.0002466, 0.0006033) | 0.01537 (0.01026, 0.02184) | 17.1 (10.8, 25.4)    | 0.0002591 (0.0001642, 0.0003842) | 0.0126 (0.00818, 0.01836)  |
| Nusa Tenggara Barat | Interpersonal violence                        | 60  | 1.9 (0.9, 3.5)       | 0.0000301 (0.0000149, 0.0000566) | 0.00118 (0.00061, 0.00212) | 0.9 (0.4, 2.3)       | 0.0000144 (0.0000054, 0.0000351) | 0.0007 (0.00027, 0.00163)  |
| Nusa Tenggara Barat | Self-harm                                     | 60  | 4.1 (2.2, 7.5)       | 0.0000665 (0.0000347, 0.0001216) | 0.0026 (0.00143, 0.00440)  | 1.5 (0.7, 3.1)       | 0.0000226 (0.0000102, 0.0000463) | 0.00109 (0.00051, 0.00229) |
| Nusa Tenggara Barat | Transport injuries                            | 60  | 43.5 (30.0, 60.9)    | 0.0007001 (0.0004828, 0.0009806) | 0.02737 (0.02062, 0.03570) | 17.8 (11.5, 25.5)    | 0.0002693 (0.0001740, 0.0003865) | 0.01308 (0.00877, 0.01836) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 60  | 14.5 (8.8, 21.6)     | 0.0002328 (0.0001421, 0.0003478) | 0.00911 (0.00605, 0.01304) | 5.9 (3.4, 9.4)       | 0.0000896 (0.0000516, 0.0001422) | 0.00435 (0.00260, 0.00674) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 65  | 40.3 (27.6, 56.7)    | 0.000948 (0.0006490, 0.0013340)  | 0.02607 (0.01977, 0.03346) | 60.5 (44.4, 77.3)    | 0.0013287 (0.0009758, 0.0016974) | 0.04271 (0.03349, 0.05270) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 65  | 0.8 (0.3, 1.7)       | 0.000018 (0.0000062, 0.0000408)  | 0.00049 (0.00017, 0.00109) | 0.8 (0.2, 1.8)       | 0.0000174 (0.0000054, 0.0000405) | 0.00056 (0.00017, 0.00126) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 65  | 34.7 (23.3, 50.6)    | 0.0008161 (0.0005479, 0.0011908) | 0.02244 (0.01635, 0.02979) | 36.9 (26.1, 50.5)    | 0.0008111 (0.0005729, 0.0011080) | 0.02606 (0.01931, 0.03415) |
| Nusa Tenggara Barat | Malaria                                       | 65  | 6.8 (3.0, 12.8)      | 0.000161 (0.0000713, 0.0003004)  | 0.00443 (0.00211, 0.00801) | 4.6 (1.8, 9.3)       | 0.0001009 (0.0000401, 0.0002032) | 0.00324 (0.00130, 0.00628) |
| Nusa Tenggara Barat | Tuberculosis                                  | 65  | 161.7 (120.6, 208.1) | 0.0038072 (0.0028390, 0.0048983) | 0.10474 (0.09101, 0.11855) | 99.8 (76.2, 123.2)   | 0.0021923 (0.0016725, 0.0027047) | 0.07047 (0.05884, 0.08247) |
| Nusa Tenggara Barat | Other communicable diseases                   | 65  | 30.7 (20.1, 43.2)    | 0.0007218 (0.0004728, 0.0010173) | 0.01984 (0.01437, 0.02614) | 36.6 (25.2, 49.1)    | 0.0008048 (0.0005530, 0.0010794) | 0.02587 (0.01880, 0.03433) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 65  | 10.8 (5.2, 19.6)     | 0.0002544 (0.0001213, 0.0004613) | 0.00701 (0.00358, 0.01246) | 2.6 (1.2, 5.0)       | 0.0000562 (0.0000267, 0.0001102) | 0.00181 (0.00086, 0.00349) |
| Nusa Tenggara Barat | Breast cancer                                 | 65  | 0.5 (0.2, 0.9)       | 0.0000113 (0.0000044, 0.0000221) | 0.00031 (0.00013, 0.00059) | 28.7 (18.4, 42.3)    | 0.0006306 (0.0004039, 0.0009290) | 0.02028 (0.01384, 0.02987) |
| Nusa Tenggara Barat | Cervical cancer                               | 65  |                      |                                  |                            | 10.0 (4.2, 19.5)     | 0.0002198 (0.0000914, 0.0004286) | 0.00704 (0.00300, 0.01326) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 65  | 41.8 (29.6, 57.0)    | 0.0009838 (0.0006966, 0.0013430) | 0.02705 (0.02150, 0.03299) | 54.5 (38.6, 71.9)    | 0.0011975 (0.0008468, 0.0015786) | 0.03848 (0.02911, 0.04888) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 65  | 356.5 (271.3, 443.6) | 0.008394 (0.0063864, 0.0104448)  | 0.23091 (0.21024, 0.25041) | 374.2 (305.9, 441.4) | 0.0082177 (0.0067192, 0.0096948) | 0.26411 (0.24225, 0.28757) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 65  | 243.7 (184.5, 307.9) | 0.005738 (0.0043448, 0.0072488)  | 0.15784 (0.14000, 0.17698) | 142.0 (113.1, 174.1) | 0.0031185 (0.0024836, 0.0038238) | 0.10023 (0.08586, 0.11599) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 65  | 63.1 (43.7, 86.5)    | 0.0014854 (0.0010289, 0.0020367) | 0.04083 (0.03170, 0.05153) | 74.2 (56.5, 96.7)    | 0.0016299 (0.0012412, 0.0021231) | 0.05239 (0.04175, 0.06607) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 65  | 81.6 (58.0, 108.6)   | 0.0019206 (0.0013662, 0.0025570) | 0.05282 (0.04269, 0.06378) | 125.4 (95.3, 156.1)  | 0.002753 (0.0020929, 0.0034277)  | 0.08846 (0.07284, 0.10484) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 65  | 29.5 (20.4, 40.7)    | 0.0006957 (0.0004793, 0.0009576) | 0.01912 (0.01463, 0.02448) | 24.5 (17.7, 33.1)    | 0.000538 (0.0003897, 0.0007263)  | 0.0173 (0.01295, 0.02254)  |
| Nusa Tenggara Barat | Cirrhosis                                     | 65  | 73.8 (53.7, 100.7)   | 0.0017383 (0.0012647, 0.0023700) | 0.04783 (0.03921, 0.05882) | 52.1 (39.5, 67.5)    | 0.0011439 (0.0008664, 0.0014828) | 0.03677 (0.02904, 0.04534) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 65  | 158.8 (120.9, 204.4) | 0.003738 (0.0028454, 0.0048117)  | 0.10286 (0.08900, 0.11704) | 114.3 (88.9, 140.4)  | 0.0025111 (0.0019524, 0.0030841) | 0.08069 (0.06874, 0.09297) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 65  | 130.9 (95.9, 170.5)  | 0.0038015 (0.0022578, 0.0040139) | 0.08472 (0.07212, 0.09802) | 134.9 (106.4, 166.7) | 0.0029625 (0.0023378, 0.0036618) | 0.09517 (0.08155, 0.10886) |
| Nusa Tenggara Barat | Drowning                                      | 65  | 2.5 (0.9, 5.8)       | 0.0000589 (0.0000201, 0.0001369) | 0.00162 (0.00058, 0.00366) | 1.7 (0.5, 4.1)       | 0.0000381 (0.0000116, 0.0000898) | 0.00122 (0.00039, 0.00283) |
| Nusa Tenggara Barat | Falls                                         | 65  | 24.3 (15.2, 36.8)    | 0.000573 (0.0003584, 0.0008666)  | 0.01575 (0.01059, 0.02216) | 17.0 (11.0, 25.3)    | 0.0003734 (0.0002407, 0.0005548) | 0.012 (0.00810, 0.01717)   |
| Nusa Tenggara Barat | Interpersonal violence                        | 65  | 1.4 (0.6, 2.6)       | 0.0000318 (0.0000152, 0.0000621) | 0.00088 (0.00042, 0.00162) | 0.7 (0.3, 1.6)       | 0.0000159 (0.0000058, 0.0000362) | 0.00051 (0.00019, 0.00115) |
| Nusa Tenggara Barat | Self-harm                                     | 65  | 3.4 (1.7, 6.4)       | 0.0000802 (0.0000399, 0.0001511) | 0.00221 (0.00113, 0.00402) | 1.3 (0.6, 2.7)       | 0.000029 (0.0000130, 0.0000583)  | 0.00093 (0.00043, 0.00191) |
| Nusa Tenggara Barat | Transport injuries                            | 65  | 34.3 (22.8, 49.1)    | 0.0008068 (0.0005372, 0.0011557) | 0.02219 (0.01649, 0.03035) | 14.2 (8.8, 20.3)     | 0.0003115 (0.0001942, 0.0004453) | 0.01001 (0.00677, 0.01424) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 65  | 12.4 (7.5, 19.1)     | 0.0002917 (0.0001776, 0.0004490) | 0.00803 (0.00530, 0.01159) | 5.2 (3.0, 8.1)       | 0.000115 (0.0000666, 0.0001784)  | 0.0037 (0.00215, 0.00567)  |
| Nusa Tenggara Barat | Diarrheal diseases                            | 70  | 65.0 (45.6, 87.6)    | 0.0020904 (0.0014656, 0.0028153) | 0.03656 (0.02886, 0.04566) | 95.0 (73.8, 118.8)   | 0.0028066 (0.0021807, 0.0035094) | 0.05731 (0.04626, 0.06889) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 70  | 1.2 (0.4, 2.7)       | 0.0000371 (0.0000120, 0.0000861) | 0.00065 (0.00021, 0.00150) | 1.2 (0.3, 3.0)       | 0.0000349 (0.0000103, 0.0000897) | 0.00071 (0.00022, 0.00174) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 70  | 49.6 (33.9, 70.9)    | 0.0015956 (0.0010904, 0.0022789) | 0.0279 (0.02051, 0.03675)  | 55.2 (40.6, 74.4)    | 0.0016305 (0.0011982, 0.0021975) | 0.03328 (0.02508, 0.04297) |
| Nusa Tenggara Barat | Malaria                                       | 70  | 7.4 (3.1, 13.7)      | 0.0002371 (0.0000987, 0.0004395) | 0.00415 (0.00187, 0.00766) | 4.5 (1.7, 9.5)       | 0.0001334 (0.0000495, 0.0002809) | 0.00273 (0.00105, 0.00574) |
| Nusa Tenggara Barat | Tuberculosis                                  | 70  | 190.2 (142.3, 243.0) | 0.0061133 (0.0045729, 0.0078091) | 0.10696 (0.09328, 0.12152) | 114.7 (90.0, 141.1)  | 0.003387 (0.0026570, 0.0041672)  | 0.06917 (0.05789, 0.08211) |
| Nusa Tenggara Barat | Other communicable diseases                   | 70  | 36.5 (23.0, 51.7)    | 0.0011746 (0.0007404, 0.0016614) | 0.02053 (0.01477, 0.02736) | 43.6 (29.9, 59.9)    | 0.0012864 (0.0008828, 0.0017682) | 0.02627 (0.01870, 0.03572) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 70  | 10.2 (4.7, 18.9)     | 0.0003265 (0.0001525, 0.0006066) | 0.00572 (0.00294, 0.01009) | 2.4 (1.1, 4.9)       | 0.0000717 (0.0000329, 0.0001454) | 0.00146 (0.00067, 0.00297) |
| Nusa Tenggara Barat | Breast cancer                                 | 70  | 0.4 (0.1, 0.9)       | 0.0000137 (0.0000044, 0.0000292) | 0.00024 (0.00008, 0.00052) | 19.0 (12.0, 28.6)    | 0.0005626 (0.0003538, 0.0008436) | 0.01149 (0.00740, 0.01750) |
| Nusa Tenggara Barat | Cervical cancer                               | 70  |                      |                                  |                            | 6.4 (2.6, 12.0)      | 0.0001896 (0.0000779, 0.0003552) | 0.00386 (0.00164, 0.00727) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 70  | 36.1 (25.9, 48.9)    | 0.0011618 (0.0008334, 0.0015724) | 0.02031 (0.01624, 0.02477) | 49.0 (35.8, 63.8)    | 0.0014464 (0.0010579, 0.0018851) | 0.02953 (0.02247, 0.03742) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 70  | 408.1 (311.6, 509.0) | 0.0131177 (0.0100159, 0.0163590) | 0.22949 (0.21009, 0.24961) | 450.9 (382.0, 521.8) | 0.0133163 (0.0112804, 0.0154120) | 0.27193 (0.25016, 0.29396) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 70  | 263.4 (198.3, 333.1) | 0.0084668 (0.0063742, 0.0107071) | 0.14811 (0.13315, 0.16579) | 166.5 (138.7, 201.2) | 0.0049167 (0.0040974, 0.0059422) | 0.10042 (0.08679, 0.11603) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 70  | 78.3 (53.9, 108.1)   | 0.0025168 (0.0017337, 0.0034749) | 0.04399 (0.03426, 0.05456) | 92.0 (70.8, 118.8)   | 0.0027182 (0.0020905, 0.0035072) | 0.05551 (0.04382, 0.06896) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 70  | 68.3 (48.4, 91.4)    | 0.0021942 (0.0015555, 0.0029362) | 0.03837 (0.03046, 0.04686) | 108.5 (82.9, 135.1)  | 0.0032031 (0.0024482, 0.0039891) | 0.06541 (0.05229, 0.07796) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 70  | 29.1 (20.0, 40.5)    | 0.0009357 (0.0006443, 0.0013010) | 0.01636 (0.01252, 0.02111) | 24.3 (17.7, 32.7)    | 0.0007186 (0.0005237, 0.0009654) | 0.01468 (0.01099, 0.01927) |
| Nusa Tenggara Barat | Cirrhosis                                     | 70  | 69.0 (49.9, 95.7)    | 0.0022186 (0.0016048, 0.0030762) | 0.03882 (0.03135, 0.04723) | 51.7 (39.1, 66.7)    | 0.0015257 (0.0011542, 0.0019693) | 0.03116 (0.02374, 0.03854) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 70  | 219.7 (166.4, 277.8) | 0.0070614 (0.0053494, 0.0089272) | 0.12357 (0.10838, 0.13955) | 155.1 (124.3, 188.0) | 0.0045796 (0.0036721, 0.0055523) | 0.09349 (0.08059, 0.10771) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 70  | 162.4 (118.8, 208.7) | 0.0052184 (0.0038180, 0.0067089) | 0.09125 (0.07886, 0.10491) | 172.1 (140.1, 210.0) | 0.0050828 (0.0041379, 0.0062029) | 0.10376 (0.08928, 0.11815) |
| Nusa Tenggara Barat | Drowning                                      | 70  | 4.2 (1.7, 8.5)       | 0.0001356 (0.0000559, 0.0002735) | 0.00238 (0.00101, 0.00457) | 3.3 (1.2, 6.8)       | 0.0000962 (0.0000350, 0.0001999) | 0.00196 (0.00074, 0.00410) |
| Nusa Tenggara Barat | Falls                                         | 70  | 28.0 (17.5, 41.7)    | 0.0009 (0.0005630, 0.0013397)    | 0.01573 (0.01045, 0.02168) | 21.0 (13.5, 29.7)    | 0.00062 (0.0003995, 0.0008777)   | 0.01266 (0.00834, 0.01737) |
| Nusa Tenggara Barat | Interpersonal violence                        | 70  | 1.1 (0.4, 2.3)       | 0.0000341 (0.0000142, 0.0000725) | 0.0006 (0.00026, 0.00119)  | 0.5 (0.2, 1.3)       | 0.000016 (0.0000052, 0.0000392)  | 0.00033 (0.00011, 0.00079) |
| Nusa Tenggara Barat | Self-harm                                     | 70  | 3.2 (1.6, 5.9)       | 0.0001024 (0.0000505, 0.0001898) | 0.00179 (0.00093, 0.00321) | 1.2 (0.5, 2.3)       | 0.000034 (0.0000146, 0.0000693)  | 0.00069 (0.00030, 0.00139) |
| Nusa Tenggara Barat | Transport injuries                            | 70  | 34.3 (22.0, 48.9)    | 0.0011021 (0.0007059, 0.0015705) | 0.01926 (0.01388, 0.02578) | 14.7 (9.3, 21.3)     | 0.0004347 (0.0002756, 0.0006287) | 0.00887 (0.00590, 0.01283) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                      |                                  |                            | Females                  |                                  |                            |
|---------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|--------------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Other unintentional injuries                             | 70  | 12.9 (7.8, 19.4)           | 0.0004148 (0.0002493, 0.0006251) | 0.00725 (0.00472, 0.01044) | 5.5 (3.1, 8.6)           | 0.0001619 (0.0000913, 0.0002544) | 0.00331 (0.00193, 0.00518) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 75  | 50.5 (34.9, 69.0)          | 0.0034733 (0.0024044, 0.0047498) | 0.04321 (0.03441, 0.05282) | 91.7 (72.2, 112.5)       | 0.0051305 (0.0040389, 0.0062966) | 0.0677 (0.05598, 0.08003)  |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 75  | 0.6 (0.2, 1.4)             | 0.0000411 (0.0000130, 0.0000965) | 0.00051 (0.00017, 0.00121) | 0.7 (0.2, 1.7)           | 0.0000407 (0.0000124, 0.0000976) | 0.00054 (0.00016, 0.00132) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 75  | 34.1 (22.5, 49.3)          | 0.0023439 (0.0015490, 0.0033920) | 0.02918 (0.02127, 0.03823) | 47.2 (34.8, 63.8)        | 0.002643 (0.0019499, 0.0035728)  | 0.03486 (0.02622, 0.04520) |
| Nusa Tenggara Barat | Malaria                                                  | 75  | 5.1 (2.2, 10.1)            | 0.0003531 (0.0001509, 0.0006983) | 0.00441 (0.00201, 0.00840) | 3.6 (1.4, 7.4)           | 0.0002015 (0.0000787, 0.0004148) | 0.00266 (0.00105, 0.00558) |
| Nusa Tenggara Barat | Tuberculosis                                             | 75  | 112.4 (81.5, 147.9)        | 0.0077371 (0.0056088, 0.0101761) | 0.09632 (0.08277, 0.11041) | 76.9 (60.4, 94.8)        | 0.0043038 (0.0033817, 0.0053059) | 0.05678 (0.04621, 0.06826) |
| Nusa Tenggara Barat | Other communicable diseases                              | 75  | 22.5 (13.8, 33.2)          | 0.0015474 (0.0009495, 0.0022831) | 0.01923 (0.01366, 0.02580) | 34.3 (24.0, 47.2)        | 0.0019176 (0.0013438, 0.0026387) | 0.0253 (0.01783, 0.03488)  |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer                      | 75  | 5.6 (2.5, 10.3)            | 0.0003842 (0.0001748, 0.0007061) | 0.00479 (0.00239, 0.00853) | 1.5 (0.6, 3.0)           | 0.000083 (0.0000363, 0.0001688)  | 0.00109 (0.00049, 0.00219) |
| Nusa Tenggara Barat | Breast cancer                                            | 75  | 0.2 (0.1, 0.5)             | 0.0000132 (0.0000039, 0.0000312) | 0.00016 (0.00005, 0.00038) | 9.6 (5.6, 15.2)          | 0.0005351 (0.0003143, 0.0008490) | 0.00706 (0.00416, 0.01121) |
| Nusa Tenggara Barat | Cervical cancer                                          | 75  |                            |                                  |                            | 3.1 (1.3, 6.2)           | 0.0001727 (0.0000712, 0.0003487) | 0.00228 (0.00093, 0.00458) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 75  | 18.0 (12.3, 25.4)          | 0.0012384 (0.0008444, 0.0017449) | 0.0154 (0.01213, 0.01924)  | 33.0 (24.4, 42.8)        | 0.0018476 (0.0013680, 0.0023939) | 0.02437 (0.01879, 0.03085) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 75  | 265.6 (198.5, 342.5)       | 0.018279 (0.0136607, 0.0235696)  | 0.22749 (0.20884, 0.24896) | 374.5 (325.0, 427.8)     | 0.0209602 (0.0181897, 0.0239381) | 0.27659 (0.25578, 0.29957) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 75  | 189.7 (140.7, 246.7)       | 0.0130564 (0.0096824, 0.0169794) | 0.16252 (0.14431, 0.18202) | 149.0 (124.2, 178.3)     | 0.0083397 (0.0069480, 0.0099763) | 0.11006 (0.09492, 0.12663) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 75  | 53.0 (35.3, 75.0)          | 0.0036481 (0.0024279, 0.0051633) | 0.04536 (0.03557, 0.05625) | 77.4 (59.9, 98.4)        | 0.0043336 (0.0033507, 0.0055080) | 0.05719 (0.04524, 0.07114) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 75  | 37.8 (25.9, 52.2)          | 0.0026025 (0.0017851, 0.0035945) | 0.03238 (0.02552, 0.03997) | 74.4 (57.0, 91.7)        | 0.0041657 (0.0031918, 0.0051300) | 0.05496 (0.04452, 0.06562) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 75  | 17.4 (11.5, 24.4)          | 0.0011983 (0.0007935, 0.0016791) | 0.01491 (0.01133, 0.01919) | 17.6 (12.7, 23.7)        | 0.0009846 (0.0007128, 0.0013288) | 0.01299 (0.00964, 0.01727) |
| Nusa Tenggara Barat | Cirrhosis                                                | 75  | 39.1 (27.5, 55.3)          | 0.0026895 (0.0018913, 0.0038053) | 0.03348 (0.02699, 0.04189) | 37.7 (28.6, 48.4)        | 0.0021084 (0.0016032, 0.0027109) | 0.02783 (0.02145, 0.03502) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 75  | 143.8 (106.5, 189.8)       | 0.0098941 (0.0073266, 0.0130659) | 0.12323 (0.10788, 0.13937) | 122.7 (99.2, 146.7)      | 0.0068683 (0.0055495, 0.0082094) | 0.0906 (0.07771, 0.10386)  |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 75  | 121.7 (87.6, 162.0)        | 0.0083735 (0.0060323, 0.0111483) | 0.10416 (0.09013, 0.11908) | 162.5 (134.8, 196.3)     | 0.0090919 (0.0075412, 0.0109844) | 0.11993 (0.10377, 0.13663) |
| Nusa Tenggara Barat | Drowning                                                 | 75  | 3.5 (1.5, 7.0)             | 0.0002411 (0.0001000, 0.0004792) | 0.00301 (0.00128, 0.00583) | 3.6 (1.4, 7.2)           | 0.0002027 (0.0000778, 0.0004026) | 0.00267 (0.00105, 0.00535) |
| Nusa Tenggara Barat | Falls                                                    | 75  | 20.6 (12.9, 30.7)          | 0.001416 (0.0008854, 0.0021099)  | 0.01762 (0.01218, 0.02428) | 19.7 (13.3, 27.9)        | 0.0011048 (0.0007423, 0.0015604) | 0.01458 (0.00992, 0.02032) |
| Nusa Tenggara Barat | Interpersonal violence                                   | 75  | 0.5 (0.2, 1.3)             | 0.0000372 (0.0000123, 0.0000914) | 0.00046 (0.00016, 0.00119) | 0.3 (0.1, 0.9)           | 0.0000117 (0.0000045, 0.0000507) | 0.00022 (0.00006, 0.00068) |
| Nusa Tenggara Barat | Self-harm                                                | 75  | 2.0 (1.0, 3.8)             | 0.0001376 (0.0000668, 0.0002600) | 0.00171 (0.00086, 0.00316) | 0.8 (0.3, 1.6)           | 0.0000436 (0.0000176, 0.0000904) | 0.00057 (0.00024, 0.00119) |
| Nusa Tenggara Barat | Transport injuries                                       | 75  | 16.0 (9.5, 25.5)           | 0.0011001 (0.0006546, 0.0017567) | 0.01368 (0.00894, 0.01983) | 8.4 (5.0, 12.8)          | 0.0004716 (0.0002807, 0.0007169) | 0.00622 (0.00376, 0.00954) |
| Nusa Tenggara Barat | Other unintentional injuries                             | 75  | 7.9 (4.5, 13.1)            | 0.0005446 (0.0003102, 0.0009000) | 0.00677 (0.00435, 0.01016) | 4.0 (2.1, 6.6)           | 0.0002221 (0.0001201, 0.0003706) | 0.00293 (0.00162, 0.00480) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 80  | 147.8 (113.8, 187.4)       | 0.0116805 (0.0089945, 0.0148071) | 0.0774 (0.06452, 0.09207)  | 279.0 (233.6, 332.3)     | 0.0150414 (0.0125953, 0.0179113) | 0.09573 (0.08193, 0.11056) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 80  | 1.1 (0.3, 2.8)             | 0.0000846 (0.0000219, 0.0002246) | 0.00056 (0.00015, 0.00152) | 1.6 (0.4, 4.3)           | 0.0000853 (0.0000222, 0.0002315) | 0.00054 (0.00014, 0.00148) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 80  | 70.3 (50.0, 97.0)          | 0.0055548 (0.0039515, 0.0076626) | 0.03681 (0.02746, 0.04844) | 104.5 (77.9, 136.7)      | 0.0056341 (0.0041968, 0.0073706) | 0.03586 (0.02726, 0.04631) |
| Nusa Tenggara Barat | Malaria                                                  | 80  | 9.4 (3.6, 20.1)            | 0.0007439 (0.0002851, 0.0015881) | 0.00494 (0.00194, 0.01028) | 9.3 (3.4, 19.8)          | 0.0004996 (0.0001847, 0.0010661) | 0.00318 (0.00120, 0.00675) |
| Nusa Tenggara Barat | Tuberculosis                                             | 80  | 175.2 (139.0, 217.5)       | 0.0138486 (0.0109838, 0.0171864) | 0.09183 (0.07819, 0.10644) | 180.6 (147.1, 215.9)     | 0.0097336 (0.0079282, 0.0116397) | 0.06195 (0.05095, 0.07394) |
| Nusa Tenggara Barat | Other communicable diseases                              | 80  | 45.3 (30.0, 64.3)          | 0.0035829 (0.0023686, 0.0050805) | 0.02374 (0.01676, 0.03228) | 65.7 (45.4, 88.4)        | 0.0035395 (0.0024478, 0.0047673) | 0.02253 (0.01606, 0.03044) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer                      | 80  | 6.9 (3.0, 13.4)            | 0.0005415 (0.0002407, 0.0010592) | 0.00359 (0.00167, 0.00687) | 2.7 (1.1, 5.3)           | 0.0001432 (0.0000609, 0.0002862) | 0.00091 (0.00039, 0.00183) |
| Nusa Tenggara Barat | Breast cancer                                            | 80  | 0.2 (0.1, 0.6)             | 0.0000177 (0.0000045, 0.0000458) | 0.00012 (0.00003, 0.00031) | 15.7 (8.4, 26.0)         | 0.0008469 (0.0004517, 0.0013993) | 0.00539 (0.00287, 0.00891) |
| Nusa Tenggara Barat | Cervical cancer                                          | 80  |                            |                                  |                            | 3.3 (1.1, 7.3)           | 0.0001762 (0.0000613, 0.0003914) | 0.00112 (0.00038, 0.00247) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 80  | 23.1 (16.9, 31.2)          | 0.0018236 (0.0013375, 0.0024655) | 0.01209 (0.00945, 0.01536) | 58.8 (42.7, 77.3)        | 0.0031694 (0.0022995, 0.0041698) | 0.02017 (0.01515, 0.02640) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 80  | 425.2 (351.2, 509.3)       | 0.0336055 (0.0277578, 0.0402541) | 0.22279 (0.20376, 0.24219) | 770.6 (687.6, 857.1)     | 0.0415442 (0.0370681, 0.0462043) | 0.26442 (0.24398, 0.28524) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 80  | 272.2 (219.8, 334.3)       | 0.0215089 (0.0173679, 0.0264193) | 0.14259 (0.12569, 0.16046) | 320.7 (274.3, 372.8)     | 0.0172872 (0.0147890, 0.0200973) | 0.11005 (0.09586, 0.12546) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 80  | 78.7 (57.2, 104.4)         | 0.0062187 (0.0045198, 0.0082519) | 0.04121 (0.03215, 0.05239) | 158.3 (124.4, 199.2)     | 0.0085356 (0.0067043, 0.0107393) | 0.05433 (0.04261, 0.06830) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 80  | 47.4 (34.7, 62.9)          | 0.0037433 (0.0027391, 0.0049697) | 0.02481 (0.01925, 0.03108) | 133.1 (104.9, 166.0)     | 0.007173 (0.0056524, 0.0089514)  | 0.04565 (0.03655, 0.05600) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 80  | 22.3 (15.9, 30.1)          | 0.0017629 (0.0012542, 0.0023825) | 0.01169 (0.00861, 0.01548) | 34.4 (25.3, 45.8)        | 0.0018539 (0.0013620, 0.0024714) | 0.0118 (0.00876, 0.01549)  |
| Nusa Tenggara Barat | Cirrhosis                                                | 80  | 53.3 (39.1, 71.0)          | 0.0042116 (0.0030893, 0.0056081) | 0.02792 (0.02187, 0.03556) | 61.8 (48.0, 79.9)        | 0.0033336 (0.0025857, 0.0043092) | 0.02122 (0.01635, 0.02680) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 80  | 232.0 (187.9, 284.3)       | 0.0183346 (0.0148468, 0.0224659) | 0.12158 (0.10607, 0.13735) | 272.8 (230.1, 318.9)     | 0.0147044 (0.0124023, 0.0171912) | 0.09358 (0.08086, 0.10714) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 80  | 213.9 (168.3, 264.4)       | 0.0169015 (0.0133019, 0.0208978) | 0.11202 (0.09670, 0.12727) | 377.4 (318.0, 437.4)     | 0.0203445 (0.0171413, 0.0235808) | 0.12946 (0.11297, 0.14631) |
| Nusa Tenggara Barat | Drowning                                                 | 80  | 5.7 (2.3, 12.5)            | 0.0004495 (0.0001804, 0.0009888) | 0.00299 (0.00118, 0.00666) | 4.5 (1.7, 9.6)           | 0.0002434 (0.0000901, 0.0005184) | 0.00155 (0.00058, 0.00328) |
| Nusa Tenggara Barat | Falls                                                    | 80  | 42.9 (28.2, 60.8)          | 0.0033867 (0.0022251, 0.0048022) | 0.02244 (0.01549, 0.02995) | 38.4 (26.5, 52.2)        | 0.0020677 (0.0014304, 0.0028128) | 0.01316 (0.00908, 0.01764) |
| Nusa Tenggara Barat | Interpersonal violence                                   | 80  | 0.6 (0.1, 1.9)             | 0.0000489 (0.0000105, 0.0001488) | 0.00032 (0.00007, 0.00101) | 0.5 (0.1, 1.7)           | 0.0000291 (0.0000063, 0.0000905) | 0.00018 (0.00004, 0.00058) |
| Nusa Tenggara Barat | Self-harm                                                | 80  | 2.7 (1.2, 5.2)             | 0.0002132 (0.0000925, 0.0004132) | 0.00142 (0.00064, 0.00272) | 1.8 (0.7, 3.7)           | 0.0000977 (0.0000395, 0.0001996) | 0.00062 (0.00025, 0.00127) |
| Nusa Tenggara Barat | Transport injuries                                       | 80  | 21.4 (13.2, 34.2)          | 0.0016912 (0.0010395, 0.0027038) | 0.01121 (0.00720, 0.01714) | 12.1 (7.2, 19.0)         | 0.0006537 (0.0003869, 0.0010263) | 0.00416 (0.00252, 0.00659) |
| Nusa Tenggara Barat | Other unintentional injuries                             | 80  | 11.3 (6.0, 19.3)           | 0.0008962 (0.0004780, 0.0015231) | 0.00594 (0.00330, 0.00967) | 7.1 (3.7, 11.9)          | 0.000382 (0.0002013, 0.0006401)  | 0.00243 (0.00130, 0.00410) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | All | 775.7 (566.5, 1,030.2)     | 0.0003291 (0.0002403, 0.0004370) | 0.04244 (0.03343, 0.05359) | 1,054.2 (824.4, 1,358.4) | 0.0004223 (0.0003302, 0.0005441) | 0.06306 (0.05166, 0.07632) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | All | 128.2 (64.8, 221.6)        | 0.0000544 (0.0000275, 0.0000940) | 0.00703 (0.00356, 0.01234) | 90.3 (44.3, 160.4)       | 0.0000362 (0.0000177, 0.0000642) | 0.00539 (0.00273, 0.00933) |
| Nusa Tenggara Barat | Lower respiratory infections                             | All | 903.5 (628.7, 1,234.7)     | 0.0003833 (0.0002662, 0.0005238) | 0.04941 (0.03580, 0.06438) | 770.8 (557.3, 1,035.0)   | 0.0003087 (0.0002232, 0.0004146) | 0.04604 (0.03552, 0.05880) |
| Nusa Tenggara Barat | Malaria                                                  | All | 121.4 (57.8, 218.6)        | 0.0000515 (0.0000245, 0.0000927) | 0.00665 (0.00335, 0.01181) | 79.6 (38.2, 148.5)       | 0.0000319 (0.0000153, 0.0000595) | 0.00476 (0.00227, 0.00870) |
| Nusa Tenggara Barat | Tuberculosis                                             | All | 1,759.7 (1,382.4, 2,205.3) | 0.0007465 (0.0005864, 0.0009355) | 0.09632 (0.08295, 0.10992) | 1,065.7 (857.1, 1,294.5) | 0.0004269 (0.0003433, 0.0005185) | 0.06379 (0.05419, 0.07410) |
| Nusa Tenggara Barat | Maternal disorders                                       | All |                            |                                  |                            | 171.6 (120.1, 241.3)     | 0.0000687 (0.0000481, 0.0000967) | 0.01026 (0.00745, 0.01364) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 400.6 (188.9, 654.3)       | 0.00017 (0.0000802, 0.0002776)   | 0.02182 (0.01069, 0.03619) | 255.3 (119.1, 457.4)     | 0.0001023 (0.0000477, 0.0001832) | 0.01516 (0.00729, 0.02611) |
| Nusa Tenggara Barat | Preterm birth complications                              | All | 548.6 (268.3, 933.8)       | 0.0002327 (0.0001138, 0.0003962) | 0.02989 (0.01526, 0.04874) | 467.4 (232.1, 818.2)     | 0.0001872 (0.0000930, 0.0003277) | 0.02775 (0.01452, 0.04554) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | All | 173.8 (59.9, 354.2)        | 0.0000737 (0.0000254, 0.0001503) | 0.00947 (0.00362, 0.01922) | 105.7 (37.7, 231.3)      | 0.0000423 (0.0000151, 0.0000926) | 0.00629 (0.00233, 0.01352) |
| Nusa Tenggara Barat | Other communicable diseases                              | All | 1,001.9 (743.0, 1,313.3)   | 0.000425 (0.0003152, 0.0005571)  | 0.05485 (0.04274, 0.06732) | 896.9 (653.7, 1,177.1)   | 0.0003592 (0.0002618, 0.0004715) | 0.0536 (0.04148, 0.06734)  |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer                      | All | 84.5 (42.3, 148.3)         | 0.0000359 (0.0000180, 0.0000629) | 0.00463 (0.00241, 0.00805) | 28.4 (13.6, 52.0)        | 0.0000114 (0.0000055, 0.0000208) | 0.0017 (0.00084, 0.00305)  |
| Nusa Tenggara Barat | Breast cancer                                            | All | 6.3 (2.9, 11.7)            | 0.0000027 (0.0000012, 0.0000050) | 0.00034 (0.00017, 0.00062) | 434.2 (302.2, 600.6)     | 0.0001739 (0.0001211, 0.0002406) | 0.02597 (0.01895, 0.03529) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                      |                                  |                              | Females                    |                                  |                            |
|---------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|------------------------------|----------------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Barat | Cervical cancer                                          | All |                            |                                  |                              | 143.6 (63.3, 255.7)        | 0.0000575 (0.0000254, 0.0001024) | 0.00856 (0.00392, 0.01485) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | All | 637.0 (483.3, 833.1)       | 0.0002702 (0.0002050, 0.0003534) | 0.03485 (0.02857, 0.04174)   | 639.4 (476.8, 820.6)       | 0.0002561 (0.0001910, 0.0003287) | 0.03826 (0.03020, 0.04735) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | All | 2,593.4 (2,028.6, 3,191.6) | 0.0011002 (0.0008606, 0.0013539) | 0.14188 (0.12262, 0.16050)   | 3,041.7 (2,570.1, 3,553.3) | 0.0012184 (0.0010295, 0.0014233) | 0.18216 (0.16215, 0.20245) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | All | 1,993.0 (1,543.2, 2,506.3) | 0.0008455 (0.0006547, 0.0010632) | 0.10904 (0.09362, 0.12614)   | 1,294.1 (1,078.5, 1,564.9) | 0.0005184 (0.0004320, 0.0006268) | 0.07751 (0.06645, 0.08956) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | All | 495.4 (351.9, 678.8)       | 0.0002101 (0.0001493, 0.0002879) | 0.02709 (0.02079, 0.03437)   | 637.1 (493.8, 813.8)       | 0.0002552 (0.0001978, 0.0003260) | 0.03816 (0.03046, 0.04780) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | All | 651.6 (486.5, 854.0)       | 0.0002764 (0.0002064, 0.0003623) | 0.03564 (0.02817, 0.04331)   | 1,000.4 (774.1, 1,265.5)   | 0.0004007 (0.0003101, 0.0005069) | 0.05988 (0.04910, 0.07128) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | All | 324.5 (230.4, 434.0)       | 0.0001377 (0.0000977, 0.0001841) | 0.01775 (0.01354, 0.02295)   | 273.1 (202.8, 363.4)       | 0.0001094 (0.0000812, 0.0001455) | 0.01634 (0.01243, 0.02086) |
| Nusa Tenggara Barat | Cirrhosis                                                | All | 826.4 (617.3, 1,106.9)     | 0.0003506 (0.0002619, 0.0004696) | 0.04523 (0.03645, 0.05613)   | 560.1 (433.9, 719.7)       | 0.0002243 (0.0001738, 0.0002883) | 0.03353 (0.02666, 0.04127) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | All | 1,282.9 (996.1, 1,621.0)   | 0.0005442 (0.0004226, 0.0006877) | 0.07021 (0.05906, 0.08218)   | 1,003.9 (813.5, 1,203.8)   | 0.0004021 (0.0003259, 0.0004822) | 0.06013 (0.05090, 0.07056) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | All | 1,696.4 (1,328.2, 2,115.4) | 0.0007197 (0.0005634, 0.0008974) | 0.09277 (0.08279, 0.10301)   | 1,847.1 (1,518.4, 2,216.3) | 0.0007399 (0.0006082, 0.0008877) | 0.11048 (0.09855, 0.12275) |
| Nusa Tenggara Barat | Drowning                                                 | All | 164.2 (96.0, 268.1)        | 0.0000697 (0.0000407, 0.0001137) | 0.00901 (0.00526, 0.01420)   | 73.9 (40.1, 123.9)         | 0.0000296 (0.0000161, 0.0000496) | 0.00442 (0.00243, 0.00717) |
| Nusa Tenggara Barat | Falls                                                    | All | 277.3 (186.5, 391.3)       | 0.0001177 (0.0000791, 0.0001660) | 0.01517 (0.01058, 0.02028)   | 193.2 (132.7, 266.5)       | 0.0000774 (0.0000531, 0.0001067) | 0.01157 (0.00810, 0.01553) |
| Nusa Tenggara Barat | Interpersonal violence                                   | All | 69.6 (44.0, 107.2)         | 0.0000295 (0.0000186, 0.0000455) | 0.00381 (0.00246, 0.00547)   | 42.2 (24.5, 67.7)          | 0.0000169 (0.0000098, 0.0000271) | 0.00253 (0.00153, 0.00404) |
| Nusa Tenggara Barat | Self-harm                                                | All | 85.5 (50.4, 137.5)         | 0.0000363 (0.0000214, 0.0000583) | 0.00469 (0.00286, 0.00746)   | 40.2 (22.9, 67.6)          | 0.0000161 (0.0000092, 0.0000271) | 0.00241 (0.00141, 0.00396) |
| Nusa Tenggara Barat | Transport injuries                                       | All | 945.2 (735.5, 1,216.5)     | 0.000401 (0.0003120, 0.0005161)  | 0.05174 (0.04280, 0.06208)   | 368.1 (278.6, 474.6)       | 0.0001474 (0.0001116, 0.0001901) | 0.02203 (0.01749, 0.02722) |
| Nusa Tenggara Barat | Other unintentional injuries                             | All | 333.6 (235.9, 453.2)       | 0.0001415 (0.0001001, 0.0001923) | 0.01826 (0.01381, 0.02357)   | 138.0 (96.4, 191.6)        | 0.0000553 (0.0000386, 0.0000767) | 0.00825 (0.00594, 0.01123) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | NN  | 15.7 (6.8, 30.2)           | 0.0031049 (0.0013374, 0.0059580) | 0.01156 (0.00726, 0.01706)   | 13.3 (5.6, 26.0)           | 0.0027589 (0.0011644, 0.0054068) | 0.01369 (0.00858, 0.02035) |
| Nusa Tenggara Timur | Lower respiratory infections                             | NN  | 226.3 (113.5, 376.1)       | 0.0447001 (0.0224050, 0.0742693) | 0.1663 (0.13839, 0.19816)    | 139.8 (70.5, 249.2)        | 0.0290941 (0.0146864, 0.0518860) | 0.14472 (0.11394, 0.17674) |
| Nusa Tenggara Timur | Malaria                                                  | NN  | 2.2 (0.6, 6.1)             | 0.0004439 (0.0001172, 0.0011991) | 0.00165 (0.00056, 0.00379)   | 1.4 (0.4, 3.6)             | 0.0002831 (0.0000764, 0.0007496) | 0.00141 (0.00046, 0.00320) |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 349.0 (165.6, 583.2)       | 0.0689167 (0.0327132, 0.1151690) | 0.25572 (0.20561, 0.30643)   | 234.7 (112.0, 414.7)       | 0.0488525 (0.0233191, 0.0863387) | 0.24187 (0.19176, 0.29750) |
| Nusa Tenggara Timur | Preterm birth complications                              | NN  | 250.6 (111.3, 441.0)       | 0.04949 (0.0219784, 0.0870890)   | 0.18419 (0.12999, 0.23814)   | 226.9 (105.5, 415.0)       | 0.0472439 (0.0219560, 0.0864029) | 0.23427 (0.17359, 0.29283) |
| Nusa Tenggara Timur | Other neonatal disorders                                 | NN  | 287.4 (133.5, 492.6)       | 0.0567653 (0.0263568, 0.0972769) | 0.21216 (0.14904, 0.28003)   | 189.5 (83.6, 347.3)        | 0.0394416 (0.0174029, 0.0723080) | 0.19581 (0.12951, 0.26374) |
| Nusa Tenggara Timur | Other communicable diseases                              | NN  | 18.5 (7.8, 37.3)           | 0.0036569 (0.0015405, 0.0073600) | 0.01359 (0.00829, 0.02063)   | 10.9 (4.5, 22.2)           | 0.0022602 (0.0009446, 0.0046305) | 0.01123 (0.00669, 0.01706) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | NN  | 24.2 (9.4, 46.2)           | 0.0047881 (0.0018582, 0.0091319) | 0.0178 (0.01078, 0.02655)    | 18.7 (7.6, 38.1)           | 0.0039022 (0.0015748, 0.0079266) | 0.01942 (0.01119, 0.03018) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | NN  | 1.6 (0.4, 4.2)             | 0.0003218 (0.0000783, 0.0008384) | 0.0012 (0.00038, 0.00269)    | 1.7 (0.4, 4.4)             | 0.000346 (0.0000834, 0.0009073)  | 0.00171 (0.00055, 0.00378) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 3.0)             | 0.0002068 (0.0000469, 0.0005872) | 0.00077 (0.00021, 0.00189)   | 1.1 (0.2, 3.2)             | 0.000225 (0.0000492, 0.0006601)  | 0.00111 (0.00032, 0.00275) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | NN  | 0.5 (0.0, 3.7)             | 0.0001024 (0.0000005, 0.0007325) | 0.00039 (0.00000, 0.00292)   | 0.6 (0.0, 4.1)             | 0.0001151 (0.0000007, 0.0008522) | 0.0006 (0.00000, 0.00454)  |
| Nusa Tenggara Timur | Other non-communicable diseases                          | NN  | 126.2 (62.6, 204.3)        | 0.024918 (0.0123709, 0.0403509)  | 0.09278 (0.07898, 0.10792)   | 113.5 (56.8, 195.4)        | 0.023622 (0.0118233, 0.0406747)  | 0.11701 (0.09960, 0.13532) |
| Nusa Tenggara Timur | Drowning                                                 | NN  | 14.0 (4.5, 31.5)           | 0.0027673 (0.0008834, 0.0062167) | 0.01021 (0.00483, 0.01794)   | 3.2 (1.0, 7.9)             | 0.0006635 (0.0002043, 0.0016445) | 0.00326 (0.00138, 0.00647) |
| Nusa Tenggara Timur | Falls                                                    | NN  | 7.7 (2.4, 17.3)            | 0.0015124 (0.0004707, 0.0034160) | 0.0056 (0.00245, 0.01020)    | 2.4 (0.7, 5.6)             | 0.0004945 (0.0001505, 0.0011609) | 0.00245 (0.00101, 0.00473) |
| Nusa Tenggara Timur | Interpersonal violence                                   | NN  | 4.0 (1.1, 9.7)             | 0.0007826 (0.0002177, 0.0019165) | 0.00291 (0.00115, 0.00610)   | 2.1 (0.6, 5.2)             | 0.0004336 (0.0001266, 0.0010723) | 0.00216 (0.00081, 0.00447) |
| Nusa Tenggara Timur | Transport injuries                                       | NN  | 7.6 (2.6, 16.7)            | 0.0014979 (0.0005092, 0.0033048) | 0.00558 (0.00274, 0.01046)   | 1.7 (0.6, 4.0)             | 0.0003604 (0.0001219, 0.0008340) | 0.00179 (0.00082, 0.00344) |
| Nusa Tenggara Timur | Other unintentional injuries                             | NN  | 24.0 (9.2, 48.7)           | 0.004736 (0.0018206, 0.0096142)  | 0.01761 (0.01025, 0.02825)   | 7.2 (2.8, 15.0)            | 0.0015017 (0.0005898, 0.0031152) | 0.00748 (0.00420, 0.01215) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | PNN | 191.3 (92.8, 329.2)        | 0.0030265 (0.0014690, 0.0052082) | 0.19964 (0.15120, 0.25202)   | 219.1 (101.9, 392.3)       | 0.0036547 (0.0016991, 0.0065431) | 0.25435 (0.19922, 0.30964) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | PNN | 14.3 (4.3, 33.3)           | 0.0002266 (0.0000687, 0.0005267) | 0.01502 (0.00590, 0.03235)   | 11.7 (3.5, 29.6)           | 0.0001947 (0.0000582, 0.0004934) | 0.01355 (0.00478, 0.03131) |
| Nusa Tenggara Timur | Lower respiratory infections                             | PNN | 208.0 (99.9, 353.9)        | 0.0032902 (0.0015810, 0.0056002) | 0.21721 (0.17922, 0.25351)   | 167.1 (78.8, 283.0)        | 0.0027864 (0.0013145, 0.0047208) | 0.19413 (0.15528, 0.23249) |
| Nusa Tenggara Timur | Malaria                                                  | PNN | 26.7 (7.8, 68.5)           | 0.0004228 (0.0001242, 0.0010831) | 0.02777 (0.01049, 0.06112)   | 22.1 (6.2, 58.1)           | 0.000368 (0.0001027, 0.0009695)  | 0.02551 (0.00969, 0.05458) |
| Nusa Tenggara Timur | Tuberculosis                                             | PNN | 47.5 (21.4, 88.1)          | 0.0007512 (0.0003393, 0.0013939) | 0.04946 (0.03374, 0.06913)   | 40.1 (17.5, 77.2)          | 0.0006693 (0.0002927, 0.0012874) | 0.04656 (0.02982, 0.06592) |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 10.8 (2.9, 26.5)           | 0.0001713 (0.0000467, 0.0004189) | 0.01128 (0.00411, 0.02477)   | 9.0 (2.4, 22.9)            | 0.0001496 (0.0000408, 0.0003811) | 0.01042 (0.00388, 0.02344) |
| Nusa Tenggara Timur | Preterm birth complications                              | PNN | 18.3 (6.6, 37.1)           | 0.00029 (0.0001051, 0.0005877)   | 0.01922 (0.00943, 0.03388)   | 23.0 (8.5, 48.4)           | 0.0003838 (0.0001423, 0.0008075) | 0.02678 (0.01368, 0.04568) |
| Nusa Tenggara Timur | Other neonatal disorders                                 | PNN | 38.4 (12.5, 90.5)          | 0.0006076 (0.0001978, 0.0014313) | 0.04018 (0.01696, 0.08007)   | 31.7 (10.5, 73.8)          | 0.0005279 (0.0001759, 0.0012303) | 0.0368 (0.01528, 0.07685)  |
| Nusa Tenggara Timur | Other communicable diseases                              | PNN | 249.2 (120.9, 423.7)       | 0.0039432 (0.0019125, 0.0067037) | 0.25993 (0.21453, 0.31229)   | 199.4 (90.6, 341.0)        | 0.0033256 (0.0015113, 0.0056870) | 0.23167 (0.18116, 0.28736) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | PNN | 15.6 (6.8, 31.1)           | 0.0002467 (0.0001071, 0.0004918) | 0.01629 (0.00979, 0.02443)   | 15.6 (6.5, 30.9)           | 0.0002597 (0.0001084, 0.0005155) | 0.01814 (0.01049, 0.02809) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | PNN | 1.1 (0.3, 2.8)             | 0.0000167 (0.0000041, 0.0000440) | 0.00011 (0.000035, 0.000249) | 1.4 (0.3, 4.4)             | 0.0000231 (0.0000058, 0.0000569) | 0.0016 (0.00051, 0.00360)  |
| Nusa Tenggara Timur | Ischemic heart disease                                   | PNN | 0.6 (0.0, 2.8)             | 0.0000098 (0.0000007, 0.0000450) | 0.00065 (0.00005, 0.00284)   | 0.8 (0.1, 3.8)             | 0.0000137 (0.0000009, 0.0000634) | 0.00095 (0.00007, 0.00404) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | PNN | 0.7 (0.2, 1.9)             | 0.0000106 (0.0000025, 0.0000295) | 0.0007 (0.00020, 0.00168)    | 0.9 (0.2, 2.6)             | 0.0000148 (0.0000036, 0.0000435) | 0.00103 (0.00030, 0.00256) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.6)             | 0.0000055 (0.0000000, 0.0000406) | 0.00036 (0.00000, 0.00259)   | 0.5 (0.0, 3.9)             | 0.0000081 (0.0000000, 0.0000644) | 0.00057 (0.00000, 0.00428) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | PNN | 9.7 (3.6, 21.7)            | 0.0001531 (0.0000567, 0.0003433) | 0.01004 (0.00506, 0.01855)   | 8.8 (3.0, 19.0)            | 0.0001468 (0.0000495, 0.0003161) | 0.0102 (0.00507, 0.01851)  |
| Nusa Tenggara Timur | Other non-communicable diseases                          | PNN | 80.8 (42.4, 137.8)         | 0.0012778 (0.0006392, 0.0021803) | 0.08428 (0.07068, 0.09797)   | 93.5 (43.7, 157.7)         | 0.0015597 (0.0007296, 0.0026301) | 0.10842 (0.09096, 0.12701) |
| Nusa Tenggara Timur | Drowning                                                 | PNN | 11.4 (4.1, 24.7)           | 0.0001806 (0.0000656, 0.0003913) | 0.01182 (0.00587, 0.02038)   | 3.3 (1.1, 7.8)             | 0.0000554 (0.0000178, 0.0001295) | 0.00382 (0.00170, 0.00726) |
| Nusa Tenggara Timur | Falls                                                    | PNN | 6.0 (2.0, 12.4)            | 0.0000947 (0.0000315, 0.0001966) | 0.00623 (0.00276, 0.01100)   | 2.4 (0.8, 5.1)             | 0.0000396 (0.0000129, 0.0000849) | 0.00276 (0.00115, 0.00515) |
| Nusa Tenggara Timur | Interpersonal violence                                   | PNN | 3.0 (1.0, 7.2)             | 0.000048 (0.0000154, 0.0001138)  | 0.00316 (0.00130, 0.00649)   | 2.0 (0.6, 4.7)             | 0.000034 (0.0000105, 0.0000780)  | 0.00238 (0.00093, 0.00485) |
| Nusa Tenggara Timur | Transport injuries                                       | PNN | 6.1 (2.3, 12.7)            | 0.0000966 (0.0000361, 0.0002014) | 0.00638 (0.00326, 0.01161)   | 1.8 (0.6, 4.0)             | 0.0000299 (0.0000105, 0.0000663) | 0.00208 (0.00100, 0.00389) |
| Nusa Tenggara Timur | Other unintentional injuries                             | PNN | 18.5 (7.9, 37.1)           | 0.0002929 (0.0001248, 0.0005875) | 0.01928 (0.01178, 0.03028)   | 7.1 (2.9, 14.3)            | 0.0001191 (0.0000485, 0.0002388) | 0.00828 (0.00479, 0.01312) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 1   | 61.9 (23.8, 125.5)         | 0.0002261 (0.0000871, 0.0004584) | 0.10978 (0.07731, 0.14889)   | 66.2 (26.6, 127.4)         | 0.0002538 (0.0001018, 0.0004884) | 0.14923 (0.11013, 0.19526) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 1   | 9.8 (2.4, 25.4)            | 0.0000358 (0.0000088, 0.0000927) | 0.01731 (0.00670, 0.03633)   | 7.7 (2.0, 21.2)            | 0.0000294 (0.0000078, 0.0000814) | 0.01726 (0.00616, 0.03978) |
| Nusa Tenggara Timur | Lower respiratory infections                             | 1   | 137.9 (59.1, 274.3)        | 0.0005039 (0.0002158, 0.0010020) | 0.2449 (0.20358, 0.28514)    | 107.3 (46.6, 207.1)        | 0.0004114 (0.0001786, 0.0007937) | 0.24233 (0.19905, 0.28674) |
| Nusa Tenggara Timur | Malaria                                                  | 1   | 6.9 (1.7, 17.8)            | 0.0000253 (0.0000061, 0.0000651) | 0.01235 (0.00461, 0.02677)   | 5.4 (1.5, 14.2)            | 0.0000207 (0.0000058, 0.0000544) | 0.01215 (0.00465, 0.02585) |
| Nusa Tenggara Timur | Tuberculosis                                             | 1   | 33.9 (13.3, 72.2)          | 0.0001238 (0.0000487, 0.0002638) | 0.06006 (0.04159, 0.08398)   | 27.8 (11.0, 55.1)          | 0.0001065 (0.0000422, 0.0002113) | 0.06262 (0.04204, 0.08697) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males               |                                  |                            | Females             |                                  |                            |
|---------------------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 4.0 (0.9, 11.1)     | 0.0000147 (0.0000035, 0.0000404) | 0.00719 (0.00248, 0.01692) | 3.0 (0.7, 8.1)      | 0.0000114 (0.0000026, 0.0000310) | 0.00678 (0.00233, 0.01572) |
| Nusa Tenggara Timur | Preterm birth complications                              | 1   | 1.3 (0.2, 4.7)      | 0.0000049 (0.0000008, 0.0000173) | 0.00238 (0.00055, 0.00744) | 1.5 (0.3, 5.1)      | 0.0000057 (0.0000010, 0.0000195) | 0.0034 (0.00079, 0.01069)  |
| Nusa Tenggara Timur | Other neonatal disorders                                 | 1   | 2.3 (0.0, 15.2)     | 0.0000084 (0.0000001, 0.0000555) | 0.00408 (0.00004, 0.02568) | 1.6 (0.0, 12.1)     | 0.0000063 (0.0000001, 0.0000465) | 0.00375 (0.00004, 0.02611) |
| Nusa Tenggara Timur | Other communicable diseases                              | 1   | 171.4 (72.7, 341.7) | 0.0006259 (0.0002656, 0.0012483) | 0.30407 (0.25486, 0.35473) | 131.0 (56.9, 260.2) | 0.0005021 (0.0002182, 0.0009972) | 0.2962 (0.24355, 0.35156)  |
| Nusa Tenggara Timur | Other malignant neoplasms                                | 1   | 5.9 (2.0, 13.3)     | 0.0000217 (0.0000074, 0.0000486) | 0.01044 (0.00602, 0.01627) | 6.8 (2.6, 14.9)     | 0.0000262 (0.0000098, 0.0000571) | 0.01531 (0.00893, 0.02384) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 1   | 0.4 (0.1, 1.1)      | 0.0000016 (0.0000004, 0.0000042) | 0.00077 (0.00023, 0.00175) | 0.7 (0.2, 1.8)      | 0.0000025 (0.0000006, 0.0000070) | 0.00148 (0.00047, 0.00342) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 1   | 0.3 (0.0, 1.4)      | 0.000001 (0.0000001, 0.0000050)  | 0.00046 (0.00004, 0.00207) | 0.4 (0.0, 2.0)      | 0.0000015 (0.0000001, 0.0000076) | 0.00089 (0.00007, 0.00397) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 1   | 0.3 (0.0, 0.8)      | 0.000001 (0.0000002, 0.0000028)  | 0.00046 (0.00012, 0.00119) | 0.4 (0.1, 1.2)      | 0.0000015 (0.0000003, 0.0000045) | 0.00089 (0.00025, 0.00225) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 1   | 0.1 (0.0, 1.0)      | 0.0000005 (0.0000000, 0.0000038) | 0.00023 (0.00000, 0.00168) | 0.2 (0.0, 1.6)      | 0.0000008 (0.0000000, 0.0000062) | 0.00049 (0.00000, 0.00368) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 1   | 3.5 (1.0, 8.8)      | 0.0000128 (0.0000038, 0.0000320) | 0.00624 (0.00288, 0.01207) | 3.7 (1.2, 8.5)      | 0.0000141 (0.0000044, 0.0000326) | 0.00834 (0.00407, 0.01537) |
| Nusa Tenggara Timur | Cirrhosis                                                | 1   | 7.6 (2.0, 19.5)     | 0.0000277 (0.0000074, 0.0000713) | 0.01336 (0.00584, 0.02530) | 5.2 (1.3, 12.4)     | 0.0000198 (0.0000051, 0.0000476) | 0.01158 (0.00489, 0.02298) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 1   | 16.6 (5.6, 35.7)    | 0.0000606 (0.0000205, 0.0001305) | 0.02953 (0.01608, 0.04603) | 8.7 (2.9, 18.2)     | 0.0000333 (0.0000112, 0.0000697) | 0.01974 (0.00951, 0.03453) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 1   | 30.5 (11.6, 62.5)   | 0.0001114 (0.0000422, 0.0002283) | 0.0542 (0.04076, 0.06822)  | 40.6 (17.3, 78.8)   | 0.0001557 (0.0000663, 0.0003022) | 0.09186 (0.07264, 0.11039) |
| Nusa Tenggara Timur | Drowning                                                 | 1   | 23.2 (8.2, 49.8)    | 0.0000847 (0.0000300, 0.0001820) | 0.0409 (0.02372, 0.06294)  | 6.8 (2.3, 16.1)     | 0.0000262 (0.0000088, 0.0000617) | 0.01528 (0.00797, 0.02605) |
| Nusa Tenggara Timur | Falls                                                    | 1   | 8.5 (2.6, 20.8)     | 0.000031 (0.0000095, 0.0000761)  | 0.01501 (0.00720, 0.02620) | 3.4 (1.0, 8.1)      | 0.000013 (0.0000039, 0.0000311)  | 0.00765 (0.00317, 0.01442) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 1   | 3.6 (1.0, 9.2)      | 0.000013 (0.0000035, 0.0000336)  | 0.00629 (0.00254, 0.01266) | 2.4 (0.8, 6.1)      | 0.0000093 (0.0000029, 0.0000236) | 0.00544 (0.00223, 0.01062) |
| Nusa Tenggara Timur | Transport injuries                                       | 1   | 11.1 (3.9, 25.4)    | 0.0000407 (0.0000141, 0.0000929) | 0.01978 (0.01027, 0.03384) | 3.3 (1.1, 7.6)      | 0.0000126 (0.0000041, 0.0000292) | 0.00744 (0.00365, 0.01385) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 1   | 22.7 (7.8, 48.2)    | 0.0000328 (0.0000283, 0.0001761) | 0.0402 (0.02326, 0.06219)  | 8.8 (3.2, 18.0)     | 0.0000337 (0.0000121, 0.0000689) | 0.01989 (0.01073, 0.03197) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 5   | 33.2 (22.8, 46.3)   | 0.0000977 (0.0000670, 0.0001363) | 0.08406 (0.05761, 0.11526) | 31.1 (21.6, 42.3)   | 0.0000976 (0.0000677, 0.0001328) | 0.12335 (0.08875, 0.16432) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 5   | 3.9 (1.0, 10.0)     | 0.0000115 (0.0000030, 0.0000294) | 0.00989 (0.00269, 0.02431) | 2.6 (0.7, 6.7)      | 0.0000082 (0.0000020, 0.0000210) | 0.01036 (0.00264, 0.02718) |
| Nusa Tenggara Timur | Lower respiratory infections                             | 5   | 51.8 (39.0, 67.9)   | 0.0001524 (0.0001147, 0.0001997) | 0.13108 (0.10006, 0.16588) | 34.7 (25.4, 45.5)   | 0.0001089 (0.0000799, 0.0001428) | 0.13764 (0.10421, 0.17711) |
| Nusa Tenggara Timur | Malaria                                                  | 5   | 3.7 (1.3, 8.1)      | 0.0000109 (0.0000037, 0.0000239) | 0.00937 (0.00331, 0.01975) | 2.5 (0.9, 5.3)      | 0.0000079 (0.0000029, 0.0000167) | 0.00992 (0.00379, 0.02048) |
| Nusa Tenggara Timur | Tuberculosis                                             | 5   | 18.0 (12.2, 26.1)   | 0.000053 (0.0000360, 0.0000768)  | 0.04566 (0.03097, 0.06488) | 12.7 (8.5, 18.1)    | 0.0000399 (0.0000267, 0.0000567) | 0.05051 (0.03414, 0.07072) |
| Nusa Tenggara Timur | Other communicable diseases                              | 5   | 91.1 (73.0, 111.9)  | 0.0002679 (0.0002149, 0.0003294) | 0.23049 (0.19225, 0.27597) | 60.9 (48.0, 76.2)   | 0.0001913 (0.0001506, 0.0002393) | 0.24195 (0.19443, 0.29489) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | 5   | 20.9 (13.9, 29.9)   | 0.0000615 (0.0000408, 0.0000880) | 0.0529 (0.03580, 0.07625)  | 20.7 (14.0, 28.2)   | 0.000065 (0.0000441, 0.0000887)  | 0.08211 (0.05745, 0.11229) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 5   | 1.1 (0.5, 2.1)      | 0.0000033 (0.0000015, 0.0000061) | 0.00281 (0.00125, 0.00513) | 1.4 (0.7, 2.4)      | 0.0000045 (0.0000022, 0.0000077) | 0.00566 (0.00277, 0.00958) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 5   | 0.8 (0.3, 1.7)      | 0.0000022 (0.0000009, 0.0000049) | 0.00192 (0.00073, 0.00407) | 1.0 (0.4, 1.9)      | 0.0000031 (0.0000012, 0.0000061) | 0.00386 (0.00159, 0.00762) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 5   | 0.7 (0.3, 1.7)      | 0.0000022 (0.0000009, 0.0000051) | 0.00189 (0.00076, 0.00414) | 1.0 (0.4, 2.0)      | 0.000003 (0.0000012, 0.0000063)  | 0.00381 (0.00159, 0.00802) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 5   | 0.9 (0.4, 2.1)      | 0.0000028 (0.0000011, 0.0000062) | 0.0024 (0.00090, 0.00533)  | 1.3 (0.5, 2.9)      | 0.0000042 (0.0000016, 0.0000092) | 0.00534 (0.00204, 0.01168) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 5   | 4.4 (2.2, 7.9)      | 0.0000131 (0.0000064, 0.0000234) | 0.01124 (0.00574, 0.02012) | 4.0 (2.1, 7.2)      | 0.0000127 (0.0000065, 0.0000225) | 0.01601 (0.00829, 0.02815) |
| Nusa Tenggara Timur | Cirrhosis                                                | 5   | 12.0 (6.8, 18.9)    | 0.0000353 (0.0000199, 0.0000555) | 0.03037 (0.01727, 0.04636) | 7.1 (3.9, 11.2)     | 0.0000224 (0.0000122, 0.0000353) | 0.0283 (0.01609, 0.04425)  |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 5   | 8.4 (4.8, 13.7)     | 0.0000248 (0.0000140, 0.0000403) | 0.02131 (0.01227, 0.03480) | 3.7 (1.9, 6.4)      | 0.0000117 (0.0000060, 0.0000201) | 0.01479 (0.00748, 0.02504) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 5   | 16.9 (11.5, 23.6)   | 0.0000498 (0.0000339, 0.0000693) | 0.04283 (0.02992, 0.05786) | 19.4 (13.7, 26.1)   | 0.0000608 (0.0000429, 0.0000819) | 0.07689 (0.05503, 0.10207) |
| Nusa Tenggara Timur | Drowning                                                 | 5   | 64.0 (42.8, 86.4)   | 0.0001883 (0.0001261, 0.0002544) | 0.1621 (0.10965, 0.21554)  | 22.6 (13.7, 33.1)   | 0.0000709 (0.0000429, 0.0001039) | 0.08964 (0.05460, 0.12901) |
| Nusa Tenggara Timur | Falls                                                    | 5   | 12.0 (6.4, 20.2)    | 0.0000358 (0.0000188, 0.0000596) | 0.03082 (0.01599, 0.05068) | 5.4 (2.8, 9.4)      | 0.0000169 (0.0000088, 0.0000294) | 0.02134 (0.01112, 0.03701) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 5   | 2.3 (0.9, 5.0)      | 0.0000068 (0.0000026, 0.0000147) | 0.00585 (0.00228, 0.01253) | 1.7 (0.7, 3.8)      | 0.0000054 (0.0000022, 0.0000119) | 0.00684 (0.00283, 0.01454) |
| Nusa Tenggara Timur | Transport injuries                                       | 5   | 31.5 (18.3, 48.5)   | 0.0000928 (0.0000540, 0.0001428) | 0.07974 (0.04858, 0.12000) | 10.7 (5.8, 17.1)    | 0.0000335 (0.0000183, 0.0000537) | 0.04242 (0.02343, 0.06807) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 5   | 17.1 (9.8, 27.6)    | 0.0000504 (0.0000288, 0.0000811) | 0.04328 (0.02513, 0.06793) | 7.4 (4.1, 11.9)     | 0.0000231 (0.0000128, 0.0000375) | 0.02924 (0.01627, 0.04739) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 10  | 13.2 (8.2, 20.3)    | 0.0000432 (0.0000269, 0.0000665) | 0.04204 (0.02639, 0.06461) | 11.9 (7.5, 17.8)    | 0.000042 (0.0000265, 0.0000627)  | 0.06204 (0.03933, 0.09160) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 10  | 2.9 (1.0, 6.3)      | 0.0000096 (0.0000031, 0.0000208) | 0.0093 (0.00311, 0.02041)  | 1.9 (0.6, 4.4)      | 0.0000067 (0.0000022, 0.0000153) | 0.00987 (0.00326, 0.02339) |
| Nusa Tenggara Timur | Lower respiratory infections                             | 10  | 25.2 (17.9, 34.4)   | 0.0000826 (0.0000588, 0.0001130) | 0.0804 (0.05752, 0.10859)  | 15.8 (11.0, 21.8)   | 0.0000558 (0.0000388, 0.0000768) | 0.08233 (0.05839, 0.11178) |
| Nusa Tenggara Timur | Malaria                                                  | 10  | 5.9 (2.6, 10.7)     | 0.0000194 (0.0000085, 0.0000352) | 0.01894 (0.00852, 0.03395) | 4.0 (1.8, 7.3)      | 0.000014 (0.0000062, 0.0000258)  | 0.02066 (0.00915, 0.03754) |
| Nusa Tenggara Timur | Tuberculosis                                             | 10  | 30.6 (22.7, 40.1)   | 0.0001005 (0.0000746, 0.0001315) | 0.0979 (0.07360, 0.12921)  | 21.1 (15.8, 27.8)   | 0.0000742 (0.0000556, 0.0000980) | 0.10954 (0.08312, 0.14311) |
| Nusa Tenggara Timur | Maternal disorders                                       | 10  |                     |                                  |                            | 1.0 (0.2, 2.4)      | 0.0000034 (0.0000006, 0.0000085) | 0.005 (0.00085, 0.01282)   |
| Nusa Tenggara Timur | Other communicable diseases                              | 10  | 54.8 (44.0, 67.0)   | 0.00018 (0.0001445, 0.0002198)   | 0.17531 (0.14300, 0.21252) | 34.6 (27.0, 43.7)   | 0.0001219 (0.0000952, 0.0001537) | 0.18003 (0.14335, 0.22222) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | 10  | 24.4 (18.5, 31.3)   | 0.00008 (0.0000608, 0.0001025)   | 0.07797 (0.05890, 0.10042) | 24.2 (18.4, 30.5)   | 0.0000852 (0.0000647, 0.0001074) | 0.12575 (0.09784, 0.15606) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 10  | 1.5 (0.9, 2.4)      | 0.0000049 (0.0000028, 0.0000080) | 0.00481 (0.00277, 0.00772) | 1.8 (1.1, 2.8)      | 0.0000064 (0.0000037, 0.0000099) | 0.00945 (0.00559, 0.01463) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 10  | 1.5 (0.9, 2.6)      | 0.0000051 (0.0000029, 0.0000084) | 0.00493 (0.00286, 0.00807) | 1.8 (1.1, 3.0)      | 0.0000065 (0.0000038, 0.0000104) | 0.00959 (0.00570, 0.01494) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 10  | 0.9 (0.4, 1.7)      | 0.000003 (0.0000015, 0.0000056)  | 0.00295 (0.00145, 0.00544) | 1.1 (0.6, 2.1)      | 0.000004 (0.0000020, 0.0000074)  | 0.00595 (0.00297, 0.01096) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 10  | 1.1 (0.6, 1.8)      | 0.0000036 (0.0000018, 0.0000061) | 0.00352 (0.00179, 0.00607) | 1.5 (0.8, 2.5)      | 0.0000054 (0.0000028, 0.0000089) | 0.00793 (0.00416, 0.01321) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 10  | 5.1 (3.1, 7.9)      | 0.0000167 (0.0000100, 0.0000259) | 0.01631 (0.00992, 0.02550) | 4.5 (2.8, 6.9)      | 0.000016 (0.0000098, 0.0000245)  | 0.02359 (0.01475, 0.03588) |
| Nusa Tenggara Timur | Cirrhosis                                                | 10  | 11.3 (7.6, 16.0)    | 0.0000371 (0.0000249, 0.0000526) | 0.0361 (0.02438, 0.05098)  | 6.4 (4.1, 9.3)      | 0.0000227 (0.0000146, 0.0000328) | 0.03343 (0.02177, 0.04751) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 10  | 11.7 (7.8, 16.1)    | 0.0000383 (0.0000256, 0.0000530) | 0.03731 (0.02521, 0.05256) | 5.3 (3.2, 8.2)      | 0.0000186 (0.0000113, 0.0000288) | 0.02747 (0.01702, 0.04232) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 10  | 16.3 (12.4, 20.7)   | 0.0000535 (0.0000408, 0.0000681) | 0.05211 (0.04013, 0.06594) | 17.6 (13.5, 22.5)   | 0.0000621 (0.0000476, 0.0000792) | 0.09167 (0.07190, 0.11532) |
| Nusa Tenggara Timur | Drowning                                                 | 10  | 29.7 (17.9, 45.4)   | 0.0000975 (0.0000586, 0.0001490) | 0.09501 (0.05724, 0.14419) | 8.7 (4.5, 14.8)     | 0.0000307 (0.0000159, 0.0000519) | 0.0453 (0.02390, 0.07726)  |
| Nusa Tenggara Timur | Falls                                                    | 10  | 9.5 (5.0, 16.1)     | 0.000031 (0.0000163, 0.0000529)  | 0.03026 (0.01567, 0.05161) | 3.7 (1.9, 6.7)      | 0.0000129 (0.0000065, 0.0000234) | 0.01907 (0.00978, 0.03461) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 10  | 3.2 (1.7, 5.7)      | 0.0000104 (0.0000055, 0.0000188) | 0.01016 (0.00550, 0.01803) | 2.2 (1.2, 3.8)      | 0.0000077 (0.0000042, 0.0000134) | 0.01137 (0.00614, 0.01990) |
| Nusa Tenggara Timur | Self-harm                                                | 10  | 6.7 (2.9, 12.9)     | 0.0000221 (0.0000095, 0.0000423) | 0.02154 (0.00947, 0.04142) | 4.0 (1.8, 7.1)      | 0.000014 (0.0000064, 0.0000250)  | 0.02067 (0.00949, 0.03687) |
| Nusa Tenggara Timur | Transport injuries                                       | 10  | 42.3 (29.2, 57.4)   | 0.000139 (0.0000959, 0.0001883)  | 0.13529 (0.09458, 0.18195) | 13.3 (8.2, 19.5)    | 0.0000467 (0.0000287, 0.0000688) | 0.06903 (0.04277, 0.10067) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 10  | 15.0 (9.2, 22.4)    | 0.0000491 (0.0000301, 0.0000735) | 0.04786 (0.02932, 0.07268) | 5.8 (3.3, 9.5)      | 0.0000205 (0.0000117, 0.0000335) | 0.03025 (0.01739, 0.04874) |



Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|---------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Diarrheal diseases                            | 15  | 5.9 (3.2, 10.0)     | 0.0000248 (0.0000135, 0.0000419) | 0.01715 (0.00947, 0.02853) | 5.4 (3.0, 8.6)    | 0.0000238 (0.0000131, 0.0000379) | 0.02381 (0.01315, 0.03865) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 15  | 2.1 (0.7, 5.2)      | 0.000009 (0.0000028, 0.0000218)  | 0.0062 (0.00202, 0.01455)  | 1.5 (0.4, 3.6)    | 0.0000064 (0.0000020, 0.0000159) | 0.00642 (0.00199, 0.01598) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 15  | 11.4 (7.5, 17.3)    | 0.0000479 (0.0000315, 0.0000724) | 0.03304 (0.02264, 0.04737) | 6.5 (4.3, 9.6)    | 0.0000285 (0.0000188, 0.0000425) | 0.02856 (0.01919, 0.04200) |
| Nusa Tenggara Timur | Malaria                                       | 15  | 9.1 (4.4, 15.4)     | 0.0000381 (0.0000186, 0.0000646) | 0.02638 (0.01337, 0.04553) | 6.8 (3.2, 12.0)   | 0.0000301 (0.0000139, 0.0000530) | 0.03008 (0.01422, 0.05362) |
| Nusa Tenggara Timur | Tuberculosis                                  | 15  | 39.0 (28.6, 50.1)   | 0.0001633 (0.0001199, 0.0002101) | 0.11275 (0.09023, 0.13698) | 26.4 (20.1, 33.1) | 0.0001167 (0.0000891, 0.0001463) | 0.11681 (0.09273, 0.14232) |
| Nusa Tenggara Timur | Maternal disorders                            | 15  |                     |                                  |                            | 6.9 (4.2, 10.6)   | 0.0000306 (0.0000187, 0.0000469) | 0.03061 (0.01915, 0.04578) |
| Nusa Tenggara Timur | Other communicable diseases                   | 15  | 32.8 (22.9, 43.6)   | 0.0001374 (0.0000959, 0.0001827) | 0.09491 (0.07128, 0.11929) | 19.7 (14.1, 26.4) | 0.0000873 (0.0000622, 0.0001169) | 0.08738 (0.06348, 0.11563) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 15  | 0.9 (0.3, 2.3)      | 0.0000039 (0.0000011, 0.0000098) | 0.00268 (0.00079, 0.00663) | 0.4 (0.1, 1.0)    | 0.0000017 (0.0000005, 0.0000043) | 0.00175 (0.00053, 0.00421) |
| Nusa Tenggara Timur | Breast cancer                                 | 15  | 0.1 (0.0, 0.2)      | 0.0000002 (0.0000000, 0.0000008) | 0.00015 (0.00002, 0.00056) | 1.9 (0.5, 4.6)    | 0.0000085 (0.0000024, 0.0000203) | 0.00851 (0.00244, 0.02046) |
| Nusa Tenggara Timur | Cervical cancer                               | 15  |                     |                                  |                            | 1.7 (0.4, 4.3)    | 0.0000073 (0.0000020, 0.0000191) | 0.00733 (0.00202, 0.01874) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 15  | 20.8 (14.4, 28.0)   | 0.0000871 (0.0000605, 0.0001172) | 0.06018 (0.04503, 0.07722) | 28.1 (21.1, 35.6) | 0.0001244 (0.0000933, 0.0001572) | 0.12453 (0.09535, 0.15360) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 15  | 2.5 (1.4, 4.0)      | 0.0000104 (0.0000059, 0.0000166) | 0.00722 (0.00419, 0.01131) | 2.8 (1.6, 4.4)    | 0.0000124 (0.0000071, 0.0000194) | 0.0124 (0.00724, 0.01944)  |
| Nusa Tenggara Timur | Ischemic heart disease                        | 15  | 4.1 (2.5, 6.1)      | 0.0000173 (0.0000104, 0.0000256) | 0.01195 (0.00779, 0.01750) | 4.0 (2.4, 6.0)    | 0.0000176 (0.0000108, 0.0000266) | 0.01759 (0.01100, 0.02605) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 15  | 1.2 (0.6, 2.1)      | 0.0000049 (0.0000024, 0.0000088) | 0.00337 (0.00173, 0.00612) | 1.6 (0.7, 3.0)    | 0.000007 (0.0000032, 0.0000131)  | 0.00698 (0.00334, 0.01296) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 15  | 1.4 (0.7, 2.4)      | 0.0000057 (0.0000030, 0.0000102) | 0.00396 (0.00205, 0.00705) | 2.1 (1.1, 3.6)    | 0.0000094 (0.0000048, 0.0000161) | 0.00936 (0.00475, 0.01586) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 15  | 5.5 (3.3, 8.8)      | 0.0000232 (0.0000136, 0.0000370) | 0.01599 (0.00997, 0.02436) | 5.6 (3.4, 9.0)    | 0.0000249 (0.0000150, 0.0000400) | 0.02491 (0.01499, 0.03947) |
| Nusa Tenggara Timur | Cirrhosis                                     | 15  | 12.1 (7.8, 17.8)    | 0.0000507 (0.0000325, 0.0000748) | 0.03502 (0.02379, 0.04894) | 7.3 (4.5, 11.2)   | 0.0000322 (0.0000200, 0.0000496) | 0.03223 (0.02027, 0.04796) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 15  | 7.6 (4.6, 11.3)     | 0.0000319 (0.0000191, 0.0000471) | 0.02202 (0.01437, 0.03181) | 4.6 (2.7, 7.2)    | 0.0000205 (0.0000119, 0.0000319) | 0.02047 (0.01195, 0.03144) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 15  | 16.6 (11.7, 21.9)   | 0.0000694 (0.0000492, 0.0000918) | 0.04793 (0.03631, 0.06083) | 17.9 (13.4, 23.3) | 0.000079 (0.0000591, 0.0001029)  | 0.07904 (0.06058, 0.10300) |
| Nusa Tenggara Timur | Drowning                                      | 15  | 19.1 (10.2, 32.2)   | 0.0000802 (0.0000425, 0.0001349) | 0.05536 (0.03036, 0.09180) | 5.4 (2.7, 10.1)   | 0.000024 (0.0000119, 0.0000445)  | 0.02408 (0.01204, 0.04452) |
| Nusa Tenggara Timur | Falls                                         | 15  | 9.2 (5.1, 15.8)     | 0.0000386 (0.0000214, 0.0000662) | 0.02661 (0.01573, 0.04339) | 3.8 (2.0, 6.7)    | 0.0000169 (0.0000089, 0.0000298) | 0.0169 (0.00894, 0.03024)  |
| Nusa Tenggara Timur | Interpersonal violence                        | 15  | 5.3 (2.9, 9.4)      | 0.0000221 (0.0000120, 0.0000394) | 0.01525 (0.00860, 0.02675) | 4.7 (2.5, 8.0)    | 0.0000208 (0.0000113, 0.0000354) | 0.02088 (0.01141, 0.03538) |
| Nusa Tenggara Timur | Self-harm                                     | 15  | 8.8 (4.7, 14.6)     | 0.000037 (0.0000198, 0.0000613)  | 0.02551 (0.01406, 0.04144) | 7.0 (3.9, 11.3)   | 0.0000309 (0.0000173, 0.0000499) | 0.03091 (0.01751, 0.04995) |
| Nusa Tenggara Timur | Transport injuries                            | 15  | 111.4 (84.0, 138.2) | 0.0004667 (0.0003520, 0.0005788) | 0.32226 (0.27006, 0.37053) | 45.2 (34.1, 57.1) | 0.0002 (0.0001506, 0.0002524)    | 0.20017 (0.15612, 0.24513) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 15  | 18.7 (11.4, 28.0)   | 0.0000782 (0.0000479, 0.0001172) | 0.05408 (0.03454, 0.07886) | 8.6 (5.1, 13.1)   | 0.0000382 (0.0000223, 0.0000579) | 0.03829 (0.02322, 0.05792) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 20  | 5.0 (2.8, 8.2)      | 0.0000269 (0.0000152, 0.0000444) | 0.01425 (0.00843, 0.02225) | 3.7 (2.1, 5.8)    | 0.0000193 (0.0000113, 0.0000303) | 0.01597 (0.00949, 0.02516) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 20  | 6.2 (2.2, 12.5)     | 0.0000334 (0.0000120, 0.0000680) | 0.0177 (0.00679, 0.03603)  | 3.3 (1.2, 7.1)    | 0.0000174 (0.0000065, 0.0000373) | 0.01433 (0.00536, 0.03030) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 20  | 9.3 (5.7, 14.1)     | 0.0000504 (0.0000309, 0.0000765) | 0.0267 (0.01724, 0.03814)  | 3.9 (2.5, 5.9)    | 0.0000208 (0.0000133, 0.0000309) | 0.01718 (0.01099, 0.02516) |
| Nusa Tenggara Timur | Malaria                                       | 20  | 9.7 (5.0, 16.2)     | 0.0000526 (0.0000270, 0.0000880) | 0.02788 (0.01480, 0.04624) | 5.4 (2.7, 9.6)    | 0.0000287 (0.0000141, 0.0000505) | 0.02367 (0.01187, 0.04110) |
| Nusa Tenggara Timur | Tuberculosis                                  | 20  | 63.8 (47.9, 82.0)   | 0.0003459 (0.0002595, 0.0004444) | 0.18334 (0.15421, 0.21502) | 29.2 (22.6, 36.9) | 0.000154 (0.0001189, 0.0001943)  | 0.1272 (0.10183, 0.15477)  |
| Nusa Tenggara Timur | Maternal disorders                            | 20  |                     |                                  |                            | 26.6 (19.1, 35.3) | 0.0001401 (0.0001005, 0.0001858) | 0.11572 (0.08459, 0.15048) |
| Nusa Tenggara Timur | Other communicable diseases                   | 20  | 35.5 (25.0, 49.1)   | 0.0001926 (0.0001358, 0.0002663) | 0.10209 (0.07818, 0.12902) | 17.8 (12.8, 23.6) | 0.000094 (0.0000673, 0.0001241)  | 0.07765 (0.05653, 0.10199) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 20  | 0.7 (0.2, 1.9)      | 0.0000039 (0.0000012, 0.0000102) | 0.00205 (0.00065, 0.00549) | 0.5 (0.2, 1.2)    | 0.0000027 (0.0000009, 0.0000063) | 0.00225 (0.00073, 0.00505) |
| Nusa Tenggara Timur | Breast cancer                                 | 20  | 0.1 (0.0, 0.2)      | 0.0000004 (0.0000001, 0.0000011) | 0.00019 (0.00004, 0.00054) | 4.7 (2.5, 7.9)    | 0.000025 (0.0000132, 0.0000414)  | 0.02064 (0.01114, 0.03363) |
| Nusa Tenggara Timur | Cervical cancer                               | 20  |                     |                                  |                            | 3.8 (1.6, 7.3)    | 0.0000199 (0.0000087, 0.0000385) | 0.01642 (0.00732, 0.03178) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 20  | 17.4 (12.3, 23.3)   | 0.0000942 (0.0000666, 0.0001264) | 0.04993 (0.03814, 0.06324) | 27.7 (21.4, 34.4) | 0.0001459 (0.0001127, 0.0001811) | 0.12055 (0.09392, 0.14692) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 20  | 4.2 (2.7, 6.2)      | 0.000023 (0.0000147, 0.0000334)  | 0.01221 (0.00833, 0.01683) | 4.0 (2.7, 5.7)    | 0.0000211 (0.0000143, 0.0000299) | 0.01741 (0.01209, 0.02437) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 20  | 6.8 (4.5, 9.6)      | 0.0000367 (0.0000243, 0.0000521) | 0.01948 (0.01387, 0.02645) | 4.2 (2.9, 5.9)    | 0.0000222 (0.0000151, 0.0000310) | 0.0183 (0.01284, 0.02524)  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 20  | 1.6 (0.8, 2.8)      | 0.0000087 (0.0000045, 0.0000149) | 0.0046 (0.00258, 0.00753)  | 2.0 (1.2, 3.1)    | 0.0000105 (0.0000061, 0.0000164) | 0.00871 (0.00518, 0.01350) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 20  | 1.2 (0.6, 1.9)      | 0.0000063 (0.0000033, 0.0000101) | 0.00334 (0.00182, 0.00535) | 1.7 (0.9, 2.7)    | 0.0000088 (0.0000048, 0.0000142) | 0.00724 (0.00411, 0.01131) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 20  | 7.5 (4.7, 11.6)     | 0.0000408 (0.0000257, 0.0000631) | 0.02163 (0.01426, 0.03131) | 7.0 (4.7, 9.9)    | 0.0000367 (0.0000248, 0.0000524) | 0.03029 (0.02072, 0.04248) |
| Nusa Tenggara Timur | Cirrhosis                                     | 20  | 16.8 (11.2, 23.5)   | 0.0000911 (0.0000607, 0.0001273) | 0.04827 (0.03493, 0.06366) | 9.9 (6.8, 13.8)   | 0.0000519 (0.0000357, 0.0000729) | 0.04284 (0.03003, 0.05930) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 20  | 13.2 (8.4, 18.6)    | 0.0000715 (0.0000456, 0.0001006) | 0.03791 (0.02697, 0.05039) | 9.6 (6.8, 13.2)   | 0.0000507 (0.0000356, 0.0000693) | 0.04186 (0.02973, 0.05596) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 20  | 14.2 (9.7, 19.5)    | 0.0000769 (0.0000525, 0.0001054) | 0.04081 (0.03048, 0.05236) | 13.6 (10.2, 17.3) | 0.0000717 (0.0000537, 0.0000910) | 0.05925 (0.04538, 0.07483) |
| Nusa Tenggara Timur | Drowning                                      | 20  | 12.8 (6.2, 23.3)    | 0.0000692 (0.0000336, 0.0001263) | 0.03665 (0.01887, 0.06583) | 3.5 (1.7, 6.6)    | 0.0000185 (0.0000087, 0.0000346) | 0.01528 (0.00726, 0.02819) |
| Nusa Tenggara Timur | Falls                                         | 20  | 8.2 (4.4, 13.8)     | 0.0000447 (0.0000237, 0.0000747) | 0.02365 (0.01360, 0.03766) | 3.2 (1.6, 5.4)    | 0.0000168 (0.0000086, 0.0000286) | 0.01388 (0.00726, 0.02367) |
| Nusa Tenggara Timur | Interpersonal violence                        | 20  | 5.6 (3.0, 10.0)     | 0.0000304 (0.0000163, 0.0000541) | 0.01611 (0.00908, 0.02774) | 4.1 (2.2, 7.0)    | 0.0000214 (0.0000118, 0.0000368) | 0.01773 (0.00980, 0.02985) |
| Nusa Tenggara Timur | Self-harm                                     | 20  | 8.0 (4.3, 13.5)     | 0.0000432 (0.0000231, 0.0000731) | 0.02286 (0.01288, 0.03676) | 5.0 (2.9, 8.0)    | 0.0000265 (0.0000151, 0.0000421) | 0.02189 (0.01267, 0.03475) |
| Nusa Tenggara Timur | Transport injuries                            | 20  | 81.7 (59.3, 107.2)  | 0.0004429 (0.0003214, 0.0005809) | 0.2347 (0.19133, 0.27736)  | 27.9 (20.6, 35.9) | 0.0001467 (0.0001083, 0.0001892) | 0.12123 (0.09185, 0.15475) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 20  | 18.7 (11.4, 29.1)   | 0.0001012 (0.0000617, 0.0001580) | 0.05367 (0.03466, 0.07841) | 7.5 (4.5, 11.5)   | 0.0000394 (0.0000237, 0.0000606) | 0.03254 (0.01970, 0.04998) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 25  | 7.2 (4.1, 11.6)     | 0.0000404 (0.0000226, 0.0000649) | 0.01787 (0.01070, 0.02791) | 5.3 (3.1, 8.0)    | 0.0000266 (0.0000159, 0.0000404) | 0.01955 (0.01168, 0.02938) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 25  | 11.5 (4.9, 22.6)    | 0.0000641 (0.0000273, 0.0001257) | 0.02831 (0.01227, 0.05250) | 6.2 (2.6, 12.0)   | 0.0000312 (0.0000131, 0.0000605) | 0.02296 (0.00973, 0.04360) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 25  | 9.7 (5.8, 14.8)     | 0.000054 (0.0000323, 0.0000826)  | 0.02384 (0.01543, 0.03512) | 3.9 (2.5, 5.9)    | 0.0000199 (0.0000126, 0.0000298) | 0.01465 (0.00940, 0.02148) |
| Nusa Tenggara Timur | Malaria                                       | 25  | 11.2 (5.8, 19.0)    | 0.0000623 (0.0000322, 0.0001061) | 0.02757 (0.01415, 0.04579) | 6.2 (3.1, 11.0)   | 0.0000313 (0.0000155, 0.0000557) | 0.02305 (0.01146, 0.03912) |
| Nusa Tenggara Timur | Tuberculosis                                  | 25  | 90.6 (69.6, 114.4)  | 0.0005047 (0.0003881, 0.0006378) | 0.22329 (0.19075, 0.25597) | 40.2 (31.5, 50.2) | 0.0002032 (0.0001594, 0.0002537) | 0.14945 (0.12180, 0.17857) |
| Nusa Tenggara Timur | Maternal disorders                            | 25  |                     |                                  |                            | 28.9 (21.6, 38.2) | 0.0001462 (0.0001093, 0.0001934) | 0.10752 (0.08188, 0.13433) |
| Nusa Tenggara Timur | Other communicable diseases                   | 25  | 38.3 (27.3, 52.2)   | 0.0002137 (0.0001523, 0.0002912) | 0.09454 (0.07258, 0.12022) | 18.8 (13.7, 24.9) | 0.000095 (0.0000693, 0.0001262)  | 0.0699 (0.05215, 0.08949)  |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 25  | 1.1 (0.4, 2.6)      | 0.0000061 (0.0000020, 0.0000142) | 0.0027 (0.00088, 0.00625)  | 0.7 (0.3, 1.6)    | 0.0000037 (0.0000013, 0.0000082) | 0.00273 (0.00100, 0.00594) |
| Nusa Tenggara Timur | Breast cancer                                 | 25  | 0.1 (0.0, 0.2)      | 0.0000005 (0.0000001, 0.0000012) | 0.00021 (0.00006, 0.00053) | 11.4 (6.9, 17.2)  | 0.0000577 (0.0000348, 0.0000871) | 0.04244 (0.02667, 0.06266) |
| Nusa Tenggara Timur | Cervical cancer                               | 25  |                     |                                  |                            | 7.3 (3.5, 13.2)   | 0.0000371 (0.0000179, 0.0000666) | 0.02723 (0.01381, 0.04801) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 25  | 25.2 (18.0, 33.5)   | 0.0001404 (0.0001001, 0.0001866) | 0.06212 (0.04880, 0.07630) | 34.4 (26.0, 43.4) | 0.0001738 (0.0001314, 0.0002194) | 0.12781 (0.09996, 0.15425) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 25  | 8.6 (6.0, 11.7)     | 0.0000479 (0.0000334, 0.0000654) | 0.02117 (0.01573, 0.02740) | 7.1 (5.2, 9.6)    | 0.000036 (0.0000261, 0.0000487)  | 0.02644 (0.02000, 0.03425) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Deaths (95% UI)    | Males                            |                            |  | Deaths (95% UI)   | Females                          |                            |  |
|---------------------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|--|-------------------|----------------------------------|----------------------------|--|
|                     |                                               |     |                    | CSMR (95% UI)                    | CF (95% UI)                |  |                   | CSMR (95% UI)                    | CF (95% UI)                |  |
| Nusa Tenggara Timur | Ischemic heart disease                        | 25  | 15.1 (11.0, 20.2)  | 0.0000842 (0.0000612, 0.0001124) | 0.03728 (0.02874, 0.04694) |  | 7.6 (5.6, 10.1)   | 0.0000387 (0.0000281, 0.0000512) | 0.02846 (0.02185, 0.03650) |  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 25  | 2.4 (1.4, 3.9)     | 0.0000134 (0.0000076, 0.0000220) | 0.00591 (0.00357, 0.00921) |  | 2.8 (1.7, 4.3)    | 0.0000141 (0.0000086, 0.0000217) | 0.0104 (0.00645, 0.01550)  |  |
| Nusa Tenggara Timur | Diabetes mellitus                             | 25  | 2.2 (1.4, 3.4)     | 0.0000124 (0.0000077, 0.0000188) | 0.00549 (0.00355, 0.00794) |  | 2.8 (1.8, 4.2)    | 0.0000144 (0.0000091, 0.0000211) | 0.01058 (0.00684, 0.01527) |  |
| Nusa Tenggara Timur | Chronic kidney disease                        | 25  | 9.8 (6.5, 14.5)    | 0.0000545 (0.0000360, 0.0000806) | 0.02415 (0.01670, 0.03333) |  | 8.1 (5.6, 11.5)   | 0.000041 (0.0000283, 0.0000581)  | 0.03017 (0.02164, 0.04094) |  |
| Nusa Tenggara Timur | Cirrhosis                                     | 25  | 25.6 (17.7, 35.1)  | 0.0001428 (0.0000989, 0.0001956) | 0.06317 (0.04783, 0.08030) |  | 13.4 (9.6, 18.3)  | 0.0000678 (0.0000486, 0.0000925) | 0.04986 (0.03677, 0.06571) |  |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 25  | 17.5 (12.0, 23.8)  | 0.0000977 (0.0000668, 0.0001328) | 0.04322 (0.03213, 0.05551) |  | 12.6 (8.9, 16.7)  | 0.0000635 (0.0000449, 0.0000844) | 0.04673 (0.03440, 0.06105) |  |
| Nusa Tenggara Timur | Other non-communicable diseases               | 25  | 18.6 (13.1, 25.1)  | 0.0001038 (0.0000729, 0.0001398) | 0.04595 (0.03476, 0.05857) |  | 16.2 (12.1, 20.6) | 0.0000818 (0.0000613, 0.0001044) | 0.0602 (0.04744, 0.07395)  |  |
| Nusa Tenggara Timur | Drowning                                      | 25  | 8.0 (3.4, 15.2)    | 0.0000447 (0.0000189, 0.0000849) | 0.01974 (0.00870, 0.03585) |  | 1.8 (0.7, 3.4)    | 0.0000089 (0.0000037, 0.0000171) | 0.00655 (0.00287, 0.01252) |  |
| Nusa Tenggara Timur | Falls                                         | 25  | 11.4 (6.5, 18.9)   | 0.0000633 (0.0000360, 0.0001054) | 0.028 (0.01709, 0.04371)   |  | 3.6 (2.0, 6.1)    | 0.0000182 (0.0000103, 0.0000307) | 0.01339 (0.00785, 0.02238) |  |
| Nusa Tenggara Timur | Interpersonal violence                        | 25  | 6.0 (3.3, 10.6)    | 0.0000333 (0.0000187, 0.0000591) | 0.0147 (0.00859, 0.02431)  |  | 3.6 (2.0, 5.9)    | 0.0000183 (0.0000101, 0.0000296) | 0.01345 (0.00749, 0.02162) |  |
| Nusa Tenggara Timur | Self-harm                                     | 25  | 7.9 (4.3, 12.8)    | 0.0000443 (0.0000241, 0.0000712) | 0.01958 (0.01096, 0.03035) |  | 4.2 (2.4, 6.8)    | 0.0000212 (0.0000120, 0.0000344) | 0.01561 (0.00898, 0.02468) |  |
| Nusa Tenggara Timur | Transport injuries                            | 25  | 54.9 (39.1, 75.8)  | 0.0003061 (0.0002182, 0.0004226) | 0.13543 (0.10180, 0.17245) |  | 14.3 (9.6, 19.8)  | 0.0000721 (0.0000483, 0.0001003) | 0.05303 (0.03629, 0.07138) |  |
| Nusa Tenggara Timur | Other unintentional injuries                  | 25  | 22.6 (14.0, 34.3)  | 0.000126 (0.0000778, 0.0001914)  | 0.05578 (0.03619, 0.08119) |  | 7.5 (4.4, 11.2)   | 0.0000378 (0.0000220, 0.0000567) | 0.02782 (0.01666, 0.04100) |  |
| Nusa Tenggara Timur | Diarrheal diseases                            | 30  | 7.7 (4.5, 12.1)    | 0.0000474 (0.0000279, 0.0000746) | 0.01866 (0.01143, 0.02888) |  | 5.5 (3.3, 8.4)    | 0.0000304 (0.0000182, 0.0000465) | 0.01845 (0.01155, 0.02752) |  |
| Nusa Tenggara Timur | HIV/AIDS                                      | 30  | 11.4 (5.0, 22.5)   | 0.0000705 (0.0000305, 0.0001384) | 0.0277 (0.01216, 0.05249)  |  | 6.0 (2.5, 11.5)   | 0.0000331 (0.0000139, 0.0000635) | 0.02007 (0.00856, 0.03855) |  |
| Nusa Tenggara Timur | Lower respiratory infections                  | 30  | 8.5 (5.4, 13.1)    | 0.0000526 (0.0000331, 0.0000809) | 0.0207 (0.01371, 0.03016)  |  | 3.6 (2.3, 5.4)    | 0.00002 (0.0000125, 0.0000297)   | 0.01213 (0.00797, 0.01771) |  |
| Nusa Tenggara Timur | Malaria                                       | 30  | 9.1 (4.7, 15.5)    | 0.0000561 (0.0000290, 0.0000953) | 0.02209 (0.01157, 0.03735) |  | 4.6 (2.3, 8.0)    | 0.0000252 (0.0000125, 0.0000444) | 0.01527 (0.00778, 0.02630) |  |
| Nusa Tenggara Timur | Tuberculosis                                  | 30  | 86.4 (67.1, 108.2) | 0.0005317 (0.0004129, 0.0006661) | 0.20922 (0.17814, 0.24080) |  | 36.2 (27.7, 46.0) | 0.0001999 (0.0001531, 0.0002538) | 0.12122 (0.09886, 0.14507) |  |
| Nusa Tenggara Timur | Maternal disorders                            | 30  |                    |                                  |                            |  | 34.9 (26.3, 46.4) | 0.0001926 (0.0001452, 0.0002560) | 0.11671 (0.09142, 0.14425) |  |
| Nusa Tenggara Timur | Other communicable diseases                   | 30  | 25.8 (17.9, 35.3)  | 0.0001587 (0.0001104, 0.0002171) | 0.06246 (0.04607, 0.08133) |  | 12.8 (8.6, 17.9)  | 0.0000705 (0.0000472, 0.0000987) | 0.04275 (0.02997, 0.05739) |  |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 30  | 2.3 (0.8, 5.3)     | 0.0000143 (0.0000049, 0.0000324) | 0.00563 (0.00190, 0.01305) |  | 0.9 (0.3, 2.0)    | 0.0000049 (0.0000019, 0.0000111) | 0.00299 (0.00116, 0.00673) |  |
| Nusa Tenggara Timur | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)     | 0.0000009 (0.0000003, 0.0000023) | 0.00034 (0.00010, 0.00089) |  | 18.5 (11.7, 27.4) | 0.0001021 (0.0000647, 0.0001512) | 0.06189 (0.04049, 0.08785) |  |
| Nusa Tenggara Timur | Cervical cancer                               | 30  |                    |                                  |                            |  | 13.1 (7.1, 22.3)  | 0.0000722 (0.0000392, 0.0001233) | 0.04371 (0.02439, 0.06974) |  |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 30  | 36.1 (26.5, 47.7)  | 0.0002223 (0.0001630, 0.0002935) | 0.08747 (0.06935, 0.10720) |  | 37.0 (26.9, 48.3) | 0.0002039 (0.0001481, 0.0002666) | 0.12364 (0.09464, 0.15263) |  |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 30  | 14.1 (10.3, 18.9)  | 0.0000869 (0.0000632, 0.0001161) | 0.03421 (0.02664, 0.04233) |  | 12.4 (9.3, 16.7)  | 0.0000686 (0.0000516, 0.0000921) | 0.04158 (0.03284, 0.05103) |  |
| Nusa Tenggara Timur | Ischemic heart disease                        | 30  | 22.0 (16.4, 29.1)  | 0.0001355 (0.0001010, 0.0001790) | 0.05333 (0.04288, 0.06559) |  | 11.9 (8.8, 15.7)  | 0.0000658 (0.0000485, 0.0000867) | 0.03991 (0.03147, 0.04892) |  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 30  | 3.1 (1.9, 5.0)     | 0.0000192 (0.0000114, 0.0000308) | 0.00754 (0.00475, 0.01154) |  | 3.7 (2.3, 5.7)    | 0.0000202 (0.0000125, 0.0000314) | 0.01226 (0.00775, 0.01825) |  |
| Nusa Tenggara Timur | Diabetes mellitus                             | 30  | 3.8 (2.4, 5.4)     | 0.0000235 (0.0000148, 0.0000334) | 0.00926 (0.00620, 0.01299) |  | 4.8 (3.2, 6.8)    | 0.0000266 (0.0000177, 0.0000373) | 0.01613 (0.01118, 0.02221) |  |
| Nusa Tenggara Timur | Chronic kidney disease                        | 30  | 11.1 (7.4, 15.9)   | 0.0000683 (0.0000453, 0.0000979) | 0.02689 (0.01885, 0.03672) |  | 8.9 (6.2, 12.6)   | 0.0000492 (0.0000341, 0.0000695) | 0.02985 (0.02131, 0.04050) |  |
| Nusa Tenggara Timur | Cirrhosis                                     | 30  | 34.2 (24.7, 47.0)  | 0.0002108 (0.0001518, 0.0002893) | 0.08289 (0.06403, 0.10404) |  | 18.7 (13.6, 25.9) | 0.0001033 (0.0000748, 0.0001426) | 0.06256 (0.04784, 0.08000) |  |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 30  | 19.9 (13.7, 26.7)  | 0.0001224 (0.0000846, 0.0001646) | 0.04816 (0.03576, 0.06176) |  | 13.7 (9.7, 18.4)  | 0.0000754 (0.0000535, 0.0001013) | 0.0457 (0.03456, 0.05894)  |  |
| Nusa Tenggara Timur | Other non-communicable diseases               | 30  | 20.3 (14.5, 27.1)  | 0.0001248 (0.0000890, 0.0001670) | 0.04912 (0.03734, 0.06230) |  | 18.3 (13.4, 23.8) | 0.000101 (0.0000738, 0.0001315)  | 0.06121 (0.04756, 0.07497) |  |
| Nusa Tenggara Timur | Drowning                                      | 30  | 8.4 (3.9, 15.2)    | 0.0000519 (0.0000238, 0.0000935) | 0.02044 (0.00935, 0.03581) |  | 2.4 (1.0, 4.4)    | 0.000013 (0.0000055, 0.0000244)  | 0.00788 (0.00334, 0.01478) |  |
| Nusa Tenggara Timur | Falls                                         | 30  | 12.8 (7.6, 20.5)   | 0.0000789 (0.0000468, 0.0001264) | 0.03105 (0.01864, 0.04826) |  | 4.9 (2.8, 7.9)    | 0.0000268 (0.0000154, 0.0000437) | 0.01625 (0.00980, 0.02516) |  |
| Nusa Tenggara Timur | Interpersonal violence                        | 30  | 4.5 (2.5, 7.5)     | 0.0000278 (0.0000153, 0.0000465) | 0.01094 (0.00636, 0.01773) |  | 2.8 (1.5, 4.8)    | 0.0000154 (0.0000082, 0.0000266) | 0.00936 (0.00510, 0.01577) |  |
| Nusa Tenggara Timur | Self-harm                                     | 30  | 5.9 (3.1, 10.0)    | 0.0000366 (0.0000190, 0.0000615) | 0.01439 (0.00790, 0.02326) |  | 3.1 (1.7, 5.3)    | 0.0000172 (0.0000092, 0.0000291) | 0.01043 (0.00572, 0.01669) |  |
| Nusa Tenggara Timur | Transport injuries                            | 30  | 45.1 (31.1, 63.8)  | 0.0002776 (0.0001917, 0.0003928) | 0.10916 (0.08098, 0.14263) |  | 13.1 (8.7, 19.0)  | 0.0000725 (0.0000478, 0.0001048) | 0.04398 (0.02981, 0.06067) |  |
| Nusa Tenggara Timur | Other unintentional injuries                  | 30  | 20.0 (12.5, 30.2)  | 0.0001228 (0.0000767, 0.0001860) | 0.04836 (0.03199, 0.07133) |  | 7.2 (4.4, 11.0)   | 0.0000397 (0.0000242, 0.0000604) | 0.02406 (0.01511, 0.03534) |  |
| Nusa Tenggara Timur | Diarrheal diseases                            | 35  | 7.1 (4.3, 11.8)    | 0.0000465 (0.0000279, 0.0000773) | 0.01417 (0.00867, 0.02193) |  | 7.2 (4.4, 11.1)   | 0.000043 (0.0000260, 0.0000659)  | 0.01821 (0.01138, 0.02701) |  |
| Nusa Tenggara Timur | HIV/AIDS                                      | 35  | 10.4 (4.5, 20.4)   | 0.0000683 (0.0000292, 0.0001334) | 0.02084 (0.00925, 0.04102) |  | 7.5 (3.1, 14.5)   | 0.0000446 (0.0000182, 0.0000866) | 0.01887 (0.00750, 0.03568) |  |
| Nusa Tenggara Timur | Lower respiratory infections                  | 35  | 9.4 (5.8, 14.1)    | 0.0000613 (0.0000379, 0.0000923) | 0.01868 (0.01231, 0.02698) |  | 5.7 (3.6, 8.4)    | 0.0000337 (0.0000214, 0.0000502) | 0.01428 (0.00952, 0.02062) |  |
| Nusa Tenggara Timur | Malaria                                       | 35  | 8.6 (4.3, 14.5)    | 0.0000563 (0.0000284, 0.0000948) | 0.01717 (0.00888, 0.02852) |  | 5.7 (2.7, 9.9)    | 0.0000338 (0.0000161, 0.0000593) | 0.01432 (0.00710, 0.02405) |  |
| Nusa Tenggara Timur | Tuberculosis                                  | 35  | 97.6 (75.3, 124.4) | 0.0006389 (0.0004929, 0.0008140) | 0.19489 (0.16706, 0.22302) |  | 53.7 (41.3, 68.6) | 0.0003199 (0.0002461, 0.0004088) | 0.13553 (0.11277, 0.15888) |  |
| Nusa Tenggara Timur | Maternal disorders                            | 35  |                    |                                  |                            |  | 20.3 (14.1, 28.8) | 0.0001211 (0.0000839, 0.0001718) | 0.05128 (0.03710, 0.06778) |  |
| Nusa Tenggara Timur | Other communicable diseases                   | 35  | 24.0 (16.5, 33.7)  | 0.0001574 (0.0001077, 0.0002208) | 0.04802 (0.03504, 0.06297) |  | 17.3 (11.6, 24.4) | 0.0001029 (0.0000692, 0.0001454) | 0.04357 (0.03159, 0.05798) |  |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 35  | 2.4 (0.8, 5.6)     | 0.000016 (0.0000053, 0.0000367)  | 0.00488 (0.00170, 0.01091) |  | 1.4 (0.5, 2.9)    | 0.0000081 (0.0000032, 0.0000175) | 0.00341 (0.00141, 0.00747) |  |
| Nusa Tenggara Timur | Breast cancer                                 | 35  | 0.3 (0.1, 0.7)     | 0.000002 (0.0000007, 0.0000048)  | 0.00062 (0.00022, 0.00145) |  | 31.4 (21.2, 44.8) | 0.0001868 (0.0001265, 0.0002668) | 0.07914 (0.05513, 0.10847) |  |
| Nusa Tenggara Timur | Cervical cancer                               | 35  |                    |                                  |                            |  | 23.4 (13.6, 36.4) | 0.0001395 (0.0000811, 0.0002169) | 0.05902 (0.03579, 0.09123) |  |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 35  | 55.8 (41.2, 73.5)  | 0.000365 (0.0002698, 0.0004809)  | 0.11131 (0.09049, 0.13069) |  | 46.4 (33.1, 63.8) | 0.0002763 (0.0001973, 0.0003802) | 0.11706 (0.08757, 0.14787) |  |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 35  | 26.4 (19.7, 34.9)  | 0.000173 (0.0001289, 0.0002284)  | 0.05277 (0.04257, 0.06379) |  | 24.2 (18.4, 31.9) | 0.000144 (0.0001097, 0.0001902)  | 0.06098 (0.04986, 0.07323) |  |
| Nusa Tenggara Timur | Ischemic heart disease                        | 35  | 37.2 (27.5, 48.4)  | 0.0002436 (0.0001799, 0.0003168) | 0.07432 (0.06119, 0.08954) |  | 20.7 (15.5, 27.0) | 0.0001235 (0.0000922, 0.0001605) | 0.05228 (0.04149, 0.06341) |  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 35  | 4.7 (2.8, 7.6)     | 0.000031 (0.0000183, 0.0000499)  | 0.00944 (0.00608, 0.01449) |  | 5.6 (3.4, 8.7)    | 0.0000336 (0.0000205, 0.0000518) | 0.01422 (0.00907, 0.02118) |  |
| Nusa Tenggara Timur | Diabetes mellitus                             | 35  | 8.2 (5.5, 11.5)    | 0.0000538 (0.0000359, 0.0000756) | 0.01644 (0.01152, 0.02280) |  | 10.3 (6.9, 14.5)  | 0.0000613 (0.0000411, 0.0000863) | 0.02596 (0.01887, 0.03590) |  |
| Nusa Tenggara Timur | Chronic kidney disease                        | 35  | 15.1 (10.1, 21.7)  | 0.0000991 (0.0000660, 0.0001417) | 0.03022 (0.02133, 0.04078) |  | 11.9 (8.3, 16.9)  | 0.0000709 (0.0000492, 0.0001008) | 0.03004 (0.02177, 0.04029) |  |
| Nusa Tenggara Timur | Cirrhosis                                     | 35  | 48.4 (35.1, 65.5)  | 0.0003168 (0.0002297, 0.0004288) | 0.09656 (0.07699, 0.11930) |  | 27.4 (19.8, 37.6) | 0.0001632 (0.0001177, 0.0002240) | 0.06906 (0.05310, 0.08701) |  |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 35  | 27.4 (19.4, 37.1)  | 0.0001792 (0.0001272, 0.0002428) | 0.05463 (0.04164, 0.06925) |  | 18.5 (13.4, 24.5) | 0.0001101 (0.0000800, 0.0001459) | 0.04664 (0.03555, 0.06005) |  |
| Nusa Tenggara Timur | Other non-communicable diseases               | 35  | 24.7 (17.1, 33.1)  | 0.0001616 (0.0001118, 0.0002168) | 0.04929 (0.03752, 0.06144) |  | 22.9 (16.6, 30.1) | 0.0001365 (0.0000992, 0.0001790) | 0.05783 (0.04436, 0.07081) |  |
| Nusa Tenggara Timur | Drowning                                      | 35  | 10.9 (5.2, 19.5)   | 0.000071 (0.0000338, 0.0001276)  | 0.02166 (0.01082, 0.03820) |  | 3.6 (1.7, 6.7)    | 0.0000216 (0.0000099, 0.0000398) | 0.00916 (0.00422, 0.01705) |  |
| Nusa Tenggara Timur | Falls                                         | 35  | 13.6 (7.9, 22.1)   | 0.0000886 (0.0000518, 0.0001446) | 0.02708 (0.01648, 0.04156) |  | 5.9 (3.3, 9.7)    | 0.000035 (0.0000197, 0.0000579)  | 0.01482 (0.00888, 0.02350) |  |
| Nusa Tenggara Timur | Interpersonal violence                        | 35  | 4.2 (2.3, 7.2)     | 0.0000276 (0.0000151, 0.0000469) | 0.0084 (0.00475, 0.01394)  |  | 2.6 (1.3, 4.6)    | 0.0000156 (0.0000079, 0.0000272) | 0.00663 (0.00345, 0.01133) |  |
| Nusa Tenggara Timur | Self-harm                                     | 35  | 6.0 (3.2, 10.3)    | 0.0000393 (0.0000210, 0.0000677) | 0.01197 (0.00660, 0.01933) |  | 3.1 (1.7, 5.2)    | 0.0000185 (0.0000099, 0.0000310) | 0.00783 (0.00434, 0.012    |  |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Transport injuries                            | 35  | 38.3 (24.9, 55.3)    | 0.0002509 (0.0001631, 0.0003621) | 0.07648 (0.05438, 0.10164) | 12.1 (7.6, 17.7)   | 0.0000719 (0.0000454, 0.0001056) | 0.03046 (0.01973, 0.04316) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 35  | 20.1 (12.1, 31.1)    | 0.0001316 (0.0000795, 0.0002033) | 0.04016 (0.02620, 0.05925) | 7.7 (4.7, 11.7)    | 0.0000458 (0.0000277, 0.0000698) | 0.01939 (0.01205, 0.02901) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 40  | 8.0 (4.9, 12.5)      | 0.0000565 (0.0000342, 0.0000881) | 0.01221 (0.00759, 0.01815) | 9.2 (5.7, 13.8)    | 0.0000615 (0.0000383, 0.0000925) | 0.0183 (0.01216, 0.02609)  |
| Nusa Tenggara Timur | HIV/AIDS                                      | 40  | 6.0 (2.5, 11.8)      | 0.0000421 (0.0000177, 0.0000829) | 0.0091 (0.00381, 0.01799)  | 4.7 (1.8, 9.8)     | 0.0000312 (0.0000122, 0.0000657) | 0.00926 (0.00379, 0.01910) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 40  | 9.5 (6.0, 14.1)      | 0.0000665 (0.0000419, 0.0000993) | 0.01437 (0.00969, 0.02001) | 6.8 (4.2, 10.0)    | 0.0000455 (0.0000284, 0.0000668) | 0.01353 (0.00911, 0.01897) |
| Nusa Tenggara Timur | Malaria                                       | 40  | 9.9 (5.0, 16.1)      | 0.0000697 (0.0000349, 0.0001131) | 0.01506 (0.00778, 0.02409) | 6.6 (3.2, 12.0)    | 0.0000443 (0.0000213, 0.0000802) | 0.01317 (0.00649, 0.02304) |
| Nusa Tenggara Timur | Tuberculosis                                  | 40  | 103.3 (79.9, 130.4)  | 0.0007251 (0.0005607, 0.0009154) | 0.15675 (0.13586, 0.17626) | 60.2 (46.9, 75.8)  | 0.0004021 (0.0003136, 0.0005065) | 0.11959 (0.10127, 0.13702) |
| Nusa Tenggara Timur | Maternal disorders                            | 40  |                      |                                  |                            | 7.6 (4.8, 11.9)    | 0.0000509 (0.0000319, 0.0000795) | 0.01515 (0.00987, 0.02236) |
| Nusa Tenggara Timur | Other communicable diseases                   | 40  | 23.8 (16.1, 33.0)    | 0.000167 (0.0001129, 0.0002319)  | 0.03611 (0.02616, 0.04778) | 19.8 (13.7, 28.1)  | 0.0001326 (0.0000914, 0.0001880) | 0.03946 (0.02887, 0.05187) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 40  | 5.3 (2.0, 10.6)      | 0.0000369 (0.0000142, 0.0000743) | 0.00799 (0.00314, 0.01566) | 1.9 (0.8, 4.0)     | 0.000013 (0.0000052, 0.0000266)  | 0.00388 (0.00162, 0.00811) |
| Nusa Tenggara Timur | Breast cancer                                 | 40  | 0.8 (0.3, 1.7)       | 0.0000056 (0.0000023, 0.0000119) | 0.00122 (0.00051, 0.00265) | 46.8 (32.0, 67.1)  | 0.0003128 (0.0002141, 0.0004485) | 0.09312 (0.06588, 0.12585) |
| Nusa Tenggara Timur | Cervical cancer                               | 40  |                      |                                  |                            | 36.5 (22.0, 57.5)  | 0.0002439 (0.0001470, 0.0003845) | 0.07251 (0.04502, 0.10818) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 40  | 98.2 (74.1, 126.1)   | 0.0006894 (0.0005203, 0.0008848) | 0.14902 (0.12417, 0.17397) | 55.6 (39.3, 75.6)  | 0.0003713 (0.0002623, 0.0005053) | 0.11049 (0.08158, 0.14027) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 40  | 50.8 (38.3, 65.6)    | 0.0003561 (0.0002687, 0.0004605) | 0.077 (0.06319, 0.09065)   | 44.0 (34.3, 56.9)  | 0.0002942 (0.0002291, 0.0003803) | 0.08752 (0.07266, 0.10325) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 40  | 66.4 (51.0, 84.4)    | 0.0004656 (0.0003579, 0.0005925) | 0.10069 (0.08400, 0.11809) | 36.4 (27.6, 46.8)  | 0.0002429 (0.0001845, 0.0003126) | 0.07227 (0.05861, 0.08641) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 40  | 8.6 (5.3, 13.8)      | 0.0000601 (0.0000374, 0.0000970) | 0.01299 (0.00843, 0.01971) | 9.0 (5.6, 13.9)    | 0.0000599 (0.0000374, 0.0000930) | 0.01781 (0.01159, 0.02641) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 40  | 21.3 (14.9, 29.4)    | 0.0001494 (0.0001047, 0.0002065) | 0.03235 (0.02356, 0.04281) | 23.4 (15.9, 31.9)  | 0.0001564 (0.0001062, 0.0002134) | 0.04654 (0.03363, 0.06014) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 40  | 24.3 (16.4, 34.0)    | 0.0001702 (0.0001153, 0.0002385) | 0.03679 (0.02655, 0.04919) | 16.5 (11.5, 23.2)  | 0.00011 (0.0000771, 0.0001553)   | 0.03275 (0.02383, 0.04451) |
| Nusa Tenggara Timur | Cirrhosis                                     | 40  | 70.0 (51.2, 93.5)    | 0.0004912 (0.0003594, 0.0006559) | 0.10614 (0.08392, 0.13053) | 37.0 (27.2, 51.2)  | 0.0002475 (0.0001821, 0.0003422) | 0.07358 (0.05705, 0.09282) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 40  | 43.7 (31.7, 57.6)    | 0.0003065 (0.0002225, 0.0004044) | 0.06628 (0.05181, 0.08155) | 24.6 (18.1, 33.0)  | 0.0001646 (0.0001209, 0.0002203) | 0.04897 (0.03818, 0.06249) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 40  | 33.1 (23.5, 43.8)    | 0.0002323 (0.0001652, 0.0003075) | 0.05023 (0.03824, 0.06219) | 28.2 (20.7, 37.2)  | 0.0001885 (0.0001381, 0.0002487) | 0.05609 (0.04357, 0.06853) |
| Nusa Tenggara Timur | Drowning                                      | 40  | 5.3 (2.4, 10.1)      | 0.0000375 (0.0000168, 0.0000712) | 0.00811 (0.00382, 0.01543) | 2.0 (0.8, 3.9)     | 0.0000133 (0.0000056, 0.0000261) | 0.00396 (0.00176, 0.00764) |
| Nusa Tenggara Timur | Falls                                         | 40  | 11.7 (6.8, 18.6)     | 0.0000824 (0.0000480, 0.0001308) | 0.01779 (0.01071, 0.02707) | 5.3 (3.0, 8.7)     | 0.0000355 (0.0000203, 0.0000583) | 0.01056 (0.00633, 0.01639) |
| Nusa Tenggara Timur | Interpersonal violence                        | 40  | 3.8 (2.1, 6.4)       | 0.0000267 (0.0000149, 0.0000446) | 0.00576 (0.00334, 0.00928) | 2.1 (1.1, 3.6)     | 0.0000138 (0.0000072, 0.0000239) | 0.00409 (0.00223, 0.00688) |
| Nusa Tenggara Timur | Self-harm                                     | 40  | 6.3 (3.6, 10.3)      | 0.0000443 (0.0000251, 0.0000726) | 0.00958 (0.00561, 0.01541) | 2.7 (1.5, 4.7)     | 0.0000184 (0.0000098, 0.0000316) | 0.00548 (0.00303, 0.00899) |
| Nusa Tenggara Timur | Transport injuries                            | 40  | 31.7 (20.9, 46.1)    | 0.0002223 (0.0001467, 0.0003235) | 0.04803 (0.03330, 0.06573) | 9.8 (6.2, 14.8)    | 0.0000654 (0.0000414, 0.0000986) | 0.01949 (0.01282, 0.02789) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 40  | 17.4 (10.4, 26.5)    | 0.0001222 (0.0000731, 0.0001857) | 0.02643 (0.01654, 0.04000) | 6.3 (3.7, 9.7)     | 0.0000418 (0.0000249, 0.0000651) | 0.01244 (0.00742, 0.01913) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 45  | 8.2 (4.9, 13.2)      | 0.0000658 (0.0000393, 0.0001060) | 0.01027 (0.00635, 0.01533) | 12.2 (7.6, 17.9)   | 0.0000932 (0.0000580, 0.0001376) | 0.01751 (0.01141, 0.02492) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 45  | 3.2 (1.2, 6.6)       | 0.0000256 (0.0000100, 0.0000531) | 0.00399 (0.00148, 0.00798) | 3.1 (1.1, 6.7)     | 0.0000239 (0.0000085, 0.0000517) | 0.00447 (0.00164, 0.00930) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 45  | 11.3 (7.3, 16.8)     | 0.0000905 (0.0000584, 0.0001346) | 0.0141 (0.00982, 0.01931)  | 11.0 (7.3, 16.0)   | 0.0000844 (0.0000561, 0.0001225) | 0.01586 (0.01104, 0.02168) |
| Nusa Tenggara Timur | Malaria                                       | 45  | 9.2 (4.7, 15.4)      | 0.0000739 (0.0000375, 0.0001234) | 0.01153 (0.00604, 0.01890) | 7.1 (3.4, 12.8)    | 0.0000541 (0.0000260, 0.0000981) | 0.01015 (0.00498, 0.01782) |
| Nusa Tenggara Timur | Tuberculosis                                  | 45  | 114.8 (88.5, 145.7)  | 0.0009224 (0.0007112, 0.0011700) | 0.14379 (0.12477, 0.16186) | 79.8 (62.4, 100.5) | 0.000612 (0.0004787, 0.0007705)  | 0.11491 (0.09850, 0.13174) |
| Nusa Tenggara Timur | Maternal disorders                            | 45  |                      |                                  |                            | 2.5 (1.1, 4.5)     | 0.0000192 (0.0000087, 0.0000344) | 0.00359 (0.00169, 0.00615) |
| Nusa Tenggara Timur | Other communicable diseases                   | 45  | 20.6 (13.8, 29.5)    | 0.0001656 (0.0001105, 0.0002369) | 0.02582 (0.01807, 0.03456) | 23.1 (15.9, 32.5)  | 0.0001772 (0.0001221, 0.0002490) | 0.03326 (0.02410, 0.04319) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 45  | 7.2 (2.8, 14.2)      | 0.0000579 (0.0000224, 0.0001139) | 0.00904 (0.00377, 0.01747) | 2.9 (1.1, 5.9)     | 0.0000221 (0.0000086, 0.0000455) | 0.00415 (0.00173, 0.00851) |
| Nusa Tenggara Timur | Breast cancer                                 | 45  | 1.2 (0.5, 2.5)       | 0.0000099 (0.0000043, 0.0000203) | 0.00154 (0.00070, 0.00301) | 58.4 (39.7, 83.6)  | 0.0004476 (0.0003046, 0.0006407) | 0.08408 (0.05930, 0.11403) |
| Nusa Tenggara Timur | Cervical cancer                               | 45  |                      |                                  |                            | 47.5 (28.7, 74.6)  | 0.0003645 (0.0002203, 0.0005722) | 0.06839 (0.04319, 0.10126) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 45  | 113.9 (84.6, 148.1)  | 0.0009145 (0.0006794, 0.0011894) | 0.14259 (0.11880, 0.16834) | 66.0 (46.2, 89.4)  | 0.000506 (0.0003540, 0.0006851)  | 0.09507 (0.06925, 0.12199) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 45  | 79.8 (59.5, 104.4)   | 0.0006406 (0.0004779, 0.0008387) | 0.09988 (0.08402, 0.11596) | 80.4 (62.8, 102.6) | 0.0006162 (0.0004816, 0.0007865) | 0.11571 (0.09842, 0.13284) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 45  | 91.2 (69.0, 116.0)   | 0.0007325 (0.0005546, 0.0009320) | 0.11427 (0.09675, 0.13248) | 57.7 (43.8, 74.7)  | 0.0004424 (0.0003355, 0.0005725) | 0.08306 (0.06837, 0.09851) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 45  | 12.7 (7.8, 20.8)     | 0.0001017 (0.0000630, 0.0001674) | 0.01585 (0.01052, 0.02415) | 14.5 (9.2, 22.5)   | 0.0001115 (0.0000709, 0.0001726) | 0.02092 (0.01385, 0.03097) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 45  | 38.5 (27.1, 53.6)    | 0.0003096 (0.0002179, 0.0004307) | 0.04834 (0.03586, 0.06299) | 46.6 (33.0, 64.0)  | 0.0003577 (0.0002530, 0.0004904) | 0.06714 (0.05007, 0.08651) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 45  | 29.5 (19.5, 41.9)    | 0.0002371 (0.0001569, 0.0003362) | 0.03695 (0.02696, 0.04897) | 21.6 (15.2, 30.3)  | 0.0001658 (0.0001164, 0.0002323) | 0.03114 (0.02256, 0.04164) |
| Nusa Tenggara Timur | Cirrhosis                                     | 45  | 79.3 (56.2, 108.6)   | 0.0006371 (0.0004512, 0.0008720) | 0.09927 (0.07814, 0.12285) | 49.4 (36.2, 67.8)  | 0.0003787 (0.0002773, 0.0005198) | 0.07106 (0.05550, 0.09094) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 45  | 65.1 (47.0, 85.6)    | 0.0005231 (0.0003773, 0.0006876) | 0.08159 (0.06568, 0.09901) | 40.3 (30.0, 52.4)  | 0.0003086 (0.0002302, 0.0004018) | 0.05798 (0.04606, 0.07152) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 45  | 37.3 (26.5, 50.5)    | 0.0002999 (0.0002126, 0.0004053) | 0.04678 (0.03557, 0.05790) | 36.1 (26.5, 47.0)  | 0.0002772 (0.0002030, 0.0003603) | 0.05205 (0.04083, 0.06338) |
| Nusa Tenggara Timur | Drowning                                      | 45  | 3.5 (1.4, 7.0)       | 0.000028 (0.0000116, 0.0000566)  | 0.00436 (0.00185, 0.00850) | 1.9 (0.8, 3.7)     | 0.0000143 (0.0000061, 0.0000282) | 0.00268 (0.00113, 0.00526) |
| Nusa Tenggara Timur | Falls                                         | 45  | 12.9 (7.4, 20.8)     | 0.0001038 (0.0000597, 0.0001673) | 0.01615 (0.00991, 0.02478) | 7.8 (4.4, 12.7)    | 0.0000599 (0.0000340, 0.0000976) | 0.01125 (0.00668, 0.01732) |
| Nusa Tenggara Timur | Interpersonal violence                        | 45  | 3.5 (1.8, 5.9)       | 0.000028 (0.0000147, 0.0000475)  | 0.00436 (0.00244, 0.00698) | 2.0 (1.0, 3.5)     | 0.0000156 (0.0000080, 0.0000272) | 0.00294 (0.00157, 0.00508) |
| Nusa Tenggara Timur | Self-harm                                     | 45  | 6.6 (3.7, 10.9)      | 0.0000534 (0.0000297, 0.0000879) | 0.00832 (0.00494, 0.01330) | 3.0 (1.6, 5.1)     | 0.0000232 (0.0000125, 0.0000391) | 0.00437 (0.00237, 0.00713) |
| Nusa Tenggara Timur | Transport injuries                            | 45  | 32.0 (20.5, 47.6)    | 0.0002574 (0.0001646, 0.0003824) | 0.04009 (0.02785, 0.05502) | 12.4 (8.1, 18.4)   | 0.0000954 (0.0000620, 0.0001414) | 0.01793 (0.01184, 0.02562) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 45  | 16.8 (9.8, 26.4)     | 0.0001352 (0.0000787, 0.0002123) | 0.0211 (0.01331, 0.03185)  | 7.2 (4.2, 11.5)    | 0.000055 (0.0000319, 0.0000880)  | 0.01033 (0.00625, 0.01583) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 50  | 12.0 (7.5, 18.7)     | 0.0001143 (0.0000715, 0.0001773) | 0.01193 (0.00767, 0.01715) | 17.7 (11.4, 25.7)  | 0.0001666 (0.0001073, 0.0002414) | 0.02059 (0.01420, 0.02833) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 50  | 1.5 (0.5, 3.3)       | 0.0000141 (0.0000046, 0.0000317) | 0.00147 (0.00050, 0.00326) | 1.5 (0.5, 3.4)     | 0.0000137 (0.0000044, 0.0000322) | 0.00169 (0.00054, 0.00387) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 50  | 15.9 (10.4, 23.9)    | 0.0001512 (0.0000986, 0.0002267) | 0.01576 (0.01110, 0.02163) | 15.9 (10.5, 23.1)  | 0.0001492 (0.0000986, 0.0002173) | 0.01845 (0.01322, 0.02513) |
| Nusa Tenggara Timur | Malaria                                       | 50  | 10.2 (5.1, 17.3)     | 0.0000971 (0.0000487, 0.0001648) | 0.01013 (0.00543, 0.01642) | 7.5 (3.5, 13.8)    | 0.0000704 (0.0000325, 0.0001301) | 0.00869 (0.00417, 0.01516) |
| Nusa Tenggara Timur | Tuberculosis                                  | 50  | 138.0 (105.5, 176.3) | 0.0013112 (0.0010029, 0.0016751) | 0.13684 (0.11971, 0.15506) | 93.3 (71.0, 119.7) | 0.0008766 (0.0006677, 0.0011252) | 0.10829 (0.09227, 0.12530) |
| Nusa Tenggara Timur | Maternal disorders                            | 50  |                      |                                  |                            | 0.9 (0.3, 2.1)     | 0.0000083 (0.0000028, 0.0000201) | 0.00103 (0.00035, 0.00246) |
| Nusa Tenggara Timur | Other communicable diseases                   | 50  | 23.0 (15.2, 33.7)    | 0.0002188 (0.0001445, 0.0003206) | 0.02284 (0.01633, 0.03050) | 26.0 (18.0, 37.3)  | 0.0002445 (0.0001689, 0.0003501) | 0.03022 (0.02176, 0.03971) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 50  | 10.1 (4.0, 20.0)     | 0.0000956 (0.0000381, 0.0001898) | 0.00999 (0.00409, 0.01932) | 3.5 (1.3, 7.3)     | 0.0000329 (0.0000124, 0.0000683) | 0.00407 (0.00161, 0.00840) |
| Nusa Tenggara Timur | Breast cancer                                 | 50  | 1.2 (0.5, 2.5)       | 0.0000117 (0.0000051, 0.0000237) | 0.00122 (0.00058, 0.00244) | 55.2 (36.7, 80.8)  | 0.0005189 (0.0003447, 0.0007595) | 0.06417 (0.04391, 0.08997) |
| Nusa Tenggara Timur | Cervical cancer                               | 50  |                      |                                  |                            | 49.0 (28.2, 77.4)  | 0.0004602 (0.0002648, 0.0007274) | 0.05682 (0.03497, 0.08702) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 50  | 114.9 (84.0, 151.5)  | 0.0010917 (0.0007978, 0.0014395) | 0.11394 (0.09410, 0.13581) | 73.3 (50.9, 100.6)   | 0.0006893 (0.0004785, 0.0009457) | 0.08524 (0.06097, 0.10875) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 50  | 127.5 (95.5, 167.1)  | 0.0012117 (0.0009078, 0.0015883) | 0.12645 (0.10818, 0.14558) | 125.9 (98.3, 163.0)  | 0.001183 (0.0009237, 0.0015318)  | 0.1462 (0.12674, 0.16710)  |
| Nusa Tenggara Timur | Ischemic heart disease                        | 50  | 131.1 (99.1, 166.6)  | 0.0012459 (0.0009421, 0.0015830) | 0.13012 (0.10984, 0.15072) | 79.8 (59.8, 104.3)   | 0.00075 (0.0005620, 0.0009799)   | 0.09269 (0.07627, 0.10935) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 50  | 19.6 (12.3, 30.8)    | 0.0001859 (0.0001172, 0.0002928) | 0.0194 (0.01323, 0.02947)  | 21.9 (14.0, 33.0)    | 0.000206 (0.0001317, 0.0003098)  | 0.02546 (0.01710, 0.03725) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 50  | 59.3 (41.5, 82.9)    | 0.000564 (0.0003948, 0.0007875)  | 0.05892 (0.04517, 0.07595) | 69.9 (49.4, 95.6)    | 0.0006569 (0.0004639, 0.0008983) | 0.08115 (0.06195, 0.10268) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 50  | 35.7 (24.2, 51.5)    | 0.0003395 (0.0002303, 0.0004896) | 0.03543 (0.02572, 0.04717) | 25.3 (17.6, 35.4)    | 0.0002381 (0.0001657, 0.0003329) | 0.02943 (0.02152, 0.03927) |
| Nusa Tenggara Timur | Cirrhosis                                     | 50  | 96.1 (68.8, 133.2)   | 0.000913 (0.0006534, 0.0012659)  | 0.09524 (0.07466, 0.11737) | 59.6 (42.8, 82.3)    | 0.0005604 (0.0004024, 0.0007734) | 0.06921 (0.05339, 0.08721) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 50  | 97.4 (71.1, 127.0)   | 0.0009259 (0.0006761, 0.0012064) | 0.09666 (0.07937, 0.11670) | 60.0 (44.5, 79.0)    | 0.0005643 (0.0004183, 0.0007428) | 0.06975 (0.05707, 0.08528) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 50  | 46.3 (32.8, 62.9)    | 0.0004404 (0.0003114, 0.0005981) | 0.04598 (0.03519, 0.05665) | 44.0 (31.6, 58.5)    | 0.0004136 (0.0002968, 0.0005499) | 0.05112 (0.03976, 0.06351) |
| Nusa Tenggara Timur | Drowning                                      | 50  | 2.7 (1.1, 5.3)       | 0.0000253 (0.0000103, 0.0000508) | 0.00264 (0.00114, 0.00507) | 1.5 (0.6, 2.9)       | 0.0000137 (0.0000056, 0.0000277) | 0.00169 (0.00067, 0.00340) |
| Nusa Tenggara Timur | Falls                                         | 50  | 15.5 (9.0, 24.7)     | 0.000147 (0.0000857, 0.0002346)  | 0.01531 (0.00981, 0.02254) | 9.3 (5.5, 14.7)      | 0.0000873 (0.0000521, 0.0001377) | 0.01078 (0.00683, 0.01593) |
| Nusa Tenggara Timur | Interpersonal violence                        | 50  | 2.9 (1.5, 5.0)       | 0.0000275 (0.0000139, 0.0000472) | 0.00287 (0.00156, 0.00480) | 1.6 (0.8, 2.9)       | 0.0000148 (0.0000072, 0.0000272) | 0.00183 (0.00094, 0.00330) |
| Nusa Tenggara Timur | Self-harm                                     | 50  | 6.1 (3.3, 10.2)      | 0.0000584 (0.0000314, 0.0000970) | 0.00609 (0.00349, 0.00968) | 2.6 (1.3, 4.4)       | 0.000024 (0.0000123, 0.0000416)  | 0.00298 (0.00156, 0.00496) |
| Nusa Tenggara Timur | Transport injuries                            | 50  | 26.5 (16.9, 39.6)    | 0.0002521 (0.0001611, 0.0003766) | 0.0263 (0.01789, 0.03708)  | 10.0 (6.4, 15.0)     | 0.0000936 (0.0000597, 0.0001406) | 0.01159 (0.00746, 0.01673) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 50  | 14.6 (8.5, 22.5)     | 0.0001384 (0.0000809, 0.0002134) | 0.01446 (0.00885, 0.02151) | 5.9 (3.4, 9.5)       | 0.0000555 (0.0000323, 0.0000891) | 0.00687 (0.00410, 0.01058) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 55  | 13.9 (8.7, 21.1)     | 0.00018 (0.0001135, 0.0002744)   | 0.01307 (0.00862, 0.01864) | 21.0 (13.9, 30.4)    | 0.0002773 (0.0001832, 0.0004012) | 0.0224 (0.01551, 0.03021)  |
| Nusa Tenggara Timur | HIV/AIDS                                      | 55  | 0.6 (0.2, 1.6)       | 0.0000084 (0.0000025, 0.0000203) | 0.00061 (0.00019, 0.00144) | 0.7 (0.2, 1.7)       | 0.0000086 (0.0000025, 0.0000219) | 0.00069 (0.00021, 0.00169) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 55  | 17.7 (11.5, 26.4)    | 0.0002303 (0.0001499, 0.0003434) | 0.0167 (0.01188, 0.02277)  | 18.2 (11.8, 25.7)    | 0.0002406 (0.0001557, 0.0003400) | 0.01945 (0.01364, 0.02613) |
| Nusa Tenggara Timur | Malaria                                       | 55  | 10.3 (5.2, 17.5)     | 0.0001332 (0.0000675, 0.0002273) | 0.00967 (0.00505, 0.01557) | 7.6 (3.6, 14.3)      | 0.0001002 (0.0000478, 0.0001888) | 0.0081 (0.00390, 0.01457)  |
| Nusa Tenggara Timur | Tuberculosis                                  | 55  | 126.0 (97.7, 161.4)  | 0.0016358 (0.0012682, 0.0020957) | 0.11878 (0.10216, 0.13496) | 85.7 (64.1, 108.4)   | 0.0011319 (0.0008460, 0.0014317) | 0.09142 (0.07701, 0.10593) |
| Nusa Tenggara Timur | Other communicable diseases                   | 55  | 23.6 (15.9, 33.7)    | 0.0003063 (0.0002059, 0.0004370) | 0.02224 (0.01592, 0.02962) | 27.5 (18.7, 39.6)    | 0.0003637 (0.0002468, 0.0005230) | 0.02938 (0.02135, 0.03940) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 55  | 10.5 (4.4, 21.0)     | 0.0001363 (0.0000572, 0.0002727) | 0.0009 (0.000423, 0.01972) | 3.1 (1.2, 6.5)       | 0.0000412 (0.0000154, 0.0000863) | 0.00333 (0.00136, 0.00667) |
| Nusa Tenggara Timur | Breast cancer                                 | 55  | 1.1 (0.5, 2.2)       | 0.0000137 (0.0000059, 0.0000283) | 0.00099 (0.00046, 0.00196) | 46.0 (28.7, 69.4)    | 0.000607 (0.0003790, 0.0009173)  | 0.04906 (0.03243, 0.07043) |
| Nusa Tenggara Timur | Cervical cancer                               | 55  |                      |                                  |                            | 39.0 (22.4, 62.9)    | 0.0005145 (0.0002960, 0.0008304) | 0.04153 (0.02536, 0.06389) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 55  | 94.4 (69.2, 124.3)   | 0.0012262 (0.0008980, 0.0016146) | 0.08904 (0.07050, 0.10702) | 72.9 (50.1, 99.7)    | 0.0009624 (0.0006617, 0.0013163) | 0.07779 (0.05696, 0.09851) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 55  | 163.9 (125.5, 212.5) | 0.0021283 (0.0016291, 0.0027600) | 0.1545 (0.13340, 0.17733)  | 168.4 (130.4, 210.9) | 0.0022241 (0.0017221, 0.0027855) | 0.17968 (0.15719, 0.20378) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 55  | 159.1 (121.8, 200.7) | 0.0020663 (0.0015810, 0.0026066) | 0.1501 (0.12833, 0.17231)  | 100.4 (74.9, 130.0)  | 0.0013264 (0.0009898, 0.0017176) | 0.10717 (0.08860, 0.12542) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 55  | 23.9 (15.2, 38.0)    | 0.0003101 (0.0001967, 0.0004937) | 0.02252 (0.01540, 0.03415) | 27.9 (18.1, 41.4)    | 0.000368 (0.0002386, 0.0005470)  | 0.02974 (0.02026, 0.04333) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 55  | 66.5 (47.4, 90.7)    | 0.0008635 (0.0006153, 0.0011778) | 0.06278 (0.04768, 0.08074) | 81.7 (57.8, 110.5)   | 0.001079 (0.0007638, 0.0014594)  | 0.08717 (0.06727, 0.10993) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 55  | 36.0 (24.6, 52.2)    | 0.0004679 (0.0003196, 0.0006774) | 0.03397 (0.02505, 0.04506) | 26.6 (18.4, 37.7)    | 0.0003509 (0.0002426, 0.0004974) | 0.02835 (0.02081, 0.03799) |
| Nusa Tenggara Timur | Cirrhosis                                     | 55  | 93.9 (66.9, 128.8)   | 0.0012196 (0.0008684, 0.0016728) | 0.08849 (0.06840, 0.11113) | 61.2 (42.9, 84.3)    | 0.0008084 (0.0005669, 0.0011135) | 0.06526 (0.05020, 0.08273) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 55  | 111.9 (82.3, 145.1)  | 0.0014529 (0.0010687, 0.0018843) | 0.10545 (0.08702, 0.12523) | 72.0 (52.7, 92.7)    | 0.0009507 (0.0006964, 0.0012248) | 0.07683 (0.06303, 0.09194) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 55  | 52.2 (37.3, 70.1)    | 0.0006773 (0.0004838, 0.0009107) | 0.04919 (0.03782, 0.06081) | 51.7 (36.8, 68.1)    | 0.0006831 (0.0004860, 0.0009000) | 0.05518 (0.04297, 0.06843) |
| Nusa Tenggara Timur | Drowning                                      | 55  | 2.0 (0.8, 4.4)       | 0.0000264 (0.0000104, 0.0000567) | 0.00192 (0.00078, 0.00384) | 1.1 (0.4, 2.4)       | 0.000015 (0.0000055, 0.0000323)  | 0.00121 (0.00046, 0.00250) |
| Nusa Tenggara Timur | Falls                                         | 55  | 16.9 (10.1, 26.4)    | 0.0002194 (0.0001317, 0.0003430) | 0.01519 (0.01011, 0.02351) | 10.2 (6.2, 15.7)     | 0.0001353 (0.0000819, 0.0002077) | 0.01091 (0.00717, 0.01579) |
| Nusa Tenggara Timur | Interpersonal violence                        | 55  | 2.1 (1.0, 3.8)       | 0.0000274 (0.0000136, 0.0000491) | 0.00199 (0.00102, 0.00346) | 1.1 (0.6, 2.1)       | 0.0000148 (0.0000072, 0.0000277) | 0.00119 (0.00061, 0.00218) |
| Nusa Tenggara Timur | Self-harm                                     | 55  | 5.0 (2.7, 8.3)       | 0.0000654 (0.0000344, 0.0001073) | 0.00475 (0.00273, 0.00776) | 2.0 (1.0, 3.6)       | 0.000027 (0.0000137, 0.0000475)  | 0.00219 (0.00112, 0.00368) |
| Nusa Tenggara Timur | Transport injuries                            | 55  | 17.6 (10.6, 27.3)    | 0.0002281 (0.0001377, 0.0003541) | 0.01656 (0.01027, 0.02404) | 6.6 (3.8, 10.3)      | 0.0000869 (0.0000501, 0.0001360) | 0.00703 (0.00419, 0.01080) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 55  | 11.5 (6.8, 18.2)     | 0.0001495 (0.0000882, 0.0002361) | 0.01087 (0.00656, 0.01644) | 4.6 (2.6, 7.1)       | 0.000061 (0.0000348, 0.0000938)  | 0.00494 (0.00287, 0.00755) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 60  | 20.9 (13.3, 30.9)    | 0.000341 (0.0002161, 0.0005044)  | 0.0149 (0.01006, 0.02092)  | 31.9 (22.0, 43.5)    | 0.0004758 (0.0003282, 0.0006494) | 0.02451 (0.01729, 0.03305) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 60  | 0.6 (0.2, 1.4)       | 0.0000093 (0.0000026, 0.0000234) | 0.00041 (0.00011, 0.00095) | 0.6 (0.2, 1.5)       | 0.0000089 (0.0000024, 0.0000221) | 0.00046 (0.00013, 0.00109) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 60  | 31.4 (21.1, 45.3)    | 0.0005122 (0.0003435, 0.0007385) | 0.02237 (0.01623, 0.03003) | 34.1 (23.5, 46.8)    | 0.0005081 (0.0003512, 0.0006984) | 0.02616 (0.01915, 0.03479) |
| Nusa Tenggara Timur | Malaria                                       | 60  | 13.4 (6.9, 23.0)     | 0.000219 (0.0001127, 0.0003744)  | 0.00958 (0.00519, 0.01536) | 10.1 (4.8, 18.6)     | 0.000151 (0.0000712, 0.0002767)  | 0.00778 (0.00371, 0.01372) |
| Nusa Tenggara Timur | Tuberculosis                                  | 60  | 178.5 (137.2, 223.0) | 0.0029083 (0.0022353, 0.0036345) | 0.12709 (0.11035, 0.14306) | 130.6 (100.1, 160.3) | 0.0019484 (0.0014927, 0.0023908) | 0.10028 (0.08546, 0.11544) |
| Nusa Tenggara Timur | Other communicable diseases                   | 60  | 26.1 (17.1, 36.8)    | 0.0004254 (0.0002783, 0.0005996) | 0.01859 (0.01295, 0.02467) | 30.6 (20.5, 42.9)    | 0.0004562 (0.0003061, 0.0006402) | 0.0235 (0.01675, 0.03162)  |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 60  | 10.7 (4.3, 21.7)     | 0.0001746 (0.0000700, 0.0003542) | 0.00763 (0.00317, 0.01534) | 3.7 (1.4, 7.3)       | 0.0000545 (0.0000207, 0.0001094) | 0.00281 (0.00110, 0.00568) |
| Nusa Tenggara Timur | Breast cancer                                 | 60  | 1.1 (0.4, 2.2)       | 0.0000171 (0.0000072, 0.0000358) | 0.00075 (0.00032, 0.00149) | 43.5 (27.2, 65.7)    | 0.0006485 (0.0004054, 0.0009792) | 0.03339 (0.02159, 0.04950) |
| Nusa Tenggara Timur | Cervical cancer                               | 60  |                      |                                  |                            | 39.3 (22.1, 63.4)    | 0.0005856 (0.0003290, 0.0009449) | 0.03014 (0.01765, 0.04780) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 60  | 108.9 (80.1, 142.7)  | 0.0017741 (0.0013058, 0.0023253) | 0.07753 (0.06262, 0.09432) | 98.2 (69.4, 130.4)   | 0.0014649 (0.0010350, 0.0019447) | 0.07544 (0.05504, 0.09478) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 60  | 234.3 (181.8, 299.5) | 0.0038187 (0.0029621, 0.0048802) | 0.16686 (0.14473, 0.18906) | 257.3 (205.5, 314.6) | 0.0038372 (0.0030644, 0.0046914) | 0.19755 (0.17370, 0.22167) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 60  | 197.5 (150.5, 247.1) | 0.0032188 (0.0024533, 0.0040270) | 0.14073 (0.12038, 0.16166) | 140.5 (106.8, 176.1) | 0.0020959 (0.0015926, 0.0026262) | 0.1079 (0.09100, 0.12674)  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 60  | 33.8 (21.2, 53.2)    | 0.0005507 (0.0003450, 0.0008664) | 0.02407 (0.01622, 0.03602) | 41.2 (26.8, 61.1)    | 0.0006139 (0.0003990, 0.0009116) | 0.03161 (0.02145, 0.04600) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 60  | 74.0 (53.4, 100.8)   | 0.0012058 (0.0008705, 0.0016421) | 0.05274 (0.04004, 0.06720) | 98.2 (70.7, 131.2)   | 0.0014645 (0.0010548, 0.0019569) | 0.07538 (0.05776, 0.09524) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 60  | 40.8 (28.1, 58.6)    | 0.0006651 (0.0004573, 0.0009549) | 0.02906 (0.02116, 0.03900) | 32.4 (22.8, 45.7)    | 0.0004839 (0.0003396, 0.0006813) | 0.02491 (0.01826, 0.03354) |
| Nusa Tenggara Timur | Cirrhosis                                     | 60  | 104.9 (74.8, 142.6)  | 0.0017088 (0.0012184, 0.0023243) | 0.07464 (0.05742, 0.09359) | 73.0 (52.0, 98.0)    | 0.0010882 (0.0007753, 0.0014609) | 0.05599 (0.04335, 0.07136) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 60  | 192.0 (145.3, 241.1) | 0.0031294 (0.0023673, 0.0039285) | 0.13676 (0.11606, 0.15861) | 129.1 (88.8, 160.1)  | 0.0019248 (0.0014435, 0.0023878) | 0.09911 (0.08276, 0.11641) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 60  | 75.7 (54.0, 101.1)   | 0.0012341 (0.0008807, 0.0016476) | 0.05394 (0.04168, 0.06591) | 79.4 (58.1, 101.8)   | 0.0011846 (0.0008670, 0.0015188) | 0.06099 (0.04772, 0.07361) |
| Nusa Tenggara Timur | Drowning                                      | 60  | 2.2 (0.8, 4.6)       | 0.0000354 (0.0000132, 0.0000755) | 0.00154 (0.00059, 0.00317) | 1.2 (0.4, 2.6)       | 0.0000184 (0.0000062, 0.0000383) | 0.00095 (0.00033, 0.00199) |
| Nusa Tenggara Timur | Falls                                         | 60  | 19.4 (11.9, 29.7)    | 0.0003167 (0.0001936, 0.0004835) | 0.01382 (0.00900, 0.02009) | 12.1 (7.4, 17.8)     | 0.00018 (0.0001106, 0.0002649)   | 0.00926 (0.00613, 0.01294) |
| Nusa Tenggara Timur | Interpersonal violence                        | 60  | 1.8 (0.9, 3.2)       | 0.0000289 (0.0000145, 0.0000529) | 0.00126 (0.00064, 0.00227) | 1.0 (0.5, 1.9)       | 0.0000147 (0.0000067, 0.0000290) | 0.00076 (0.00037, 0.00150) |
| Nusa Tenggara Timur | Self-harm                                     | 60  | 4.7 (2.5, 8.0)       | 0.0000771 (0.0000408, 0.0001307) | 0.00337 (0.00186, 0.00547) | 2.0 (1.0, 3.5)       | 0.0000301 (0.0000147, 0.0000522) | 0.00155 (0.00076, 0.00264) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                |                                  |                              | Females              |                                  |                            |
|---------------------|-----------------------------------------------|-----|----------------------|----------------------------------|------------------------------|----------------------|----------------------------------|----------------------------|
|                     |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Transport injuries                            | 60  | 19.4 (11.9, 29.4)    | 0.0003165 (0.0001940, 0.0004798) | 0.01383 (0.00863, 0.01970)   | 7.5 (4.4, 11.4)      | 0.0001119 (0.0000663, 0.0001693) | 0.00576 (0.00342, 0.00875) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 60  | 11.9 (6.7, 18.7)     | 0.0001947 (0.0001099, 0.0003052) | 0.00852 (0.00503, 0.01295)   | 5.0 (2.8, 7.8)       | 0.0000741 (0.0000418, 0.0001165) | 0.00382 (0.00211, 0.00583) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 65  | 41.3 (28.2, 59.2)    | 0.000847 (0.0005790, 0.0012141)  | 0.02622 (0.01867, 0.03493)   | 55.6 (39.2, 73.7)    | 0.0011715 (0.0008244, 0.0015525) | 0.03986 (0.03045, 0.05147) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 65  | 0.6 (0.2, 1.5)       | 0.0000124 (0.0000039, 0.0000300) | 0.00038 (0.000012, 0.000092) | 0.6 (0.2, 1.5)       | 0.0000123 (0.0000037, 0.0000315) | 0.00042 (0.00013, 0.00104) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 65  | 42.2 (27.7, 60.9)    | 0.0008648 (0.0005687, 0.0012486) | 0.02674 (0.01949, 0.03594)   | 42.6 (29.3, 58.5)    | 0.0008977 (0.0006177, 0.0012327) | 0.03053 (0.02262, 0.04000) |
| Nusa Tenggara Timur | Malaria                                       | 65  | 15.6 (7.7, 26.9)     | 0.0003201 (0.0001574, 0.0005520) | 0.00991 (0.00508, 0.01677)   | 10.3 (4.8, 19.3)     | 0.0002176 (0.0001018, 0.0004055) | 0.00741 (0.00351, 0.01342) |
| Nusa Tenggara Timur | Tuberculosis                                  | 65  | 201.5 (155.3, 254.9) | 0.0041324 (0.0031848, 0.0052286) | 0.12786 (0.11053, 0.14525)   | 137.1 (103.6, 168.8) | 0.0028871 (0.0021824, 0.0035550) | 0.09814 (0.08322, 0.11363) |
| Nusa Tenggara Timur | Other communicable diseases                   | 65  | 30.8 (19.9, 44.4)    | 0.0006327 (0.0004087, 0.0009096) | 0.01958 (0.01372, 0.02623)   | 32.1 (21.1, 45.8)    | 0.0006755 (0.0004436, 0.0009644) | 0.02298 (0.01579, 0.03104) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 65  | 10.1 (4.0, 20.7)     | 0.0002073 (0.0000810, 0.0004255) | 0.00642 (0.00271, 0.01272)   | 2.9 (1.1, 5.9)       | 0.0000614 (0.0000228, 0.0001251) | 0.00209 (0.00082, 0.00435) |
| Nusa Tenggara Timur | Breast cancer                                 | 65  | 0.8 (0.3, 1.6)       | 0.0000158 (0.0000061, 0.0000333) | 0.00049 (0.00019, 0.00101)   | 30.9 (18.8, 47.9)    | 0.0006499 (0.0003950, 0.0010079) | 0.0221 (0.01414, 0.03342)  |
| Nusa Tenggara Timur | Cervical cancer                               | 65  |                      |                                  |                              | 26.3 (13.7, 43.0)    | 0.000553 (0.0002888, 0.0009047)  | 0.0188 (0.01036, 0.03047)  |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 65  | 95.8 (69.0, 127.5)   | 0.0019653 (0.0014141, 0.0026159) | 0.06081 (0.04847, 0.07431)   | 97.6 (69.9, 127.6)   | 0.002056 (0.0014727, 0.0026878)  | 0.06992 (0.05260, 0.08662) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 65  | 283.4 (220.7, 361.4) | 0.0058118 (0.0045271, 0.0074111) | 0.17985 (0.15723, 0.20208)   | 300.2 (236.5, 362.5) | 0.0063215 (0.0049797, 0.0076322) | 0.21496 (0.19015, 0.23946) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 65  | 216.6 (164.1, 275.2) | 0.0044421 (0.0033660, 0.0056432) | 0.1375 (0.11602, 0.15802)    | 149.5 (114.0, 188.2) | 0.003149 (0.0023997, 0.0039638)  | 0.10707 (0.08914, 0.12561) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 65  | 42.6 (27.2, 67.0)    | 0.0008731 (0.0005571, 0.0013743) | 0.02703 (0.01843, 0.03995)   | 49.8 (32.1, 74.6)    | 0.001049 (0.0006769, 0.0015705)  | 0.03567 (0.02391, 0.05122) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 65  | 65.8 (45.5, 91.1)    | 0.0013489 (0.0009332, 0.0018690) | 0.04178 (0.03128, 0.05417)   | 85.4 (58.8, 114.0)   | 0.0017981 (0.0012372, 0.0024003) | 0.06113 (0.04575, 0.07773) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 65  | 41.9 (28.6, 60.3)    | 0.0008597 (0.0005871, 0.0012372) | 0.0266 (0.01932, 0.03596)    | 32.4 (22.5, 45.3)    | 0.0006817 (0.0004739, 0.0009539) | 0.02318 (0.01693, 0.03104) |
| Nusa Tenggara Timur | Cirrhosis                                     | 65  | 94.7 (66.6, 132.5)   | 0.0019414 (0.0013651, 0.0027178) | 0.06004 (0.04586, 0.07620)   | 64.1 (45.1, 87.0)    | 0.0013488 (0.0009501, 0.0018309) | 0.04584 (0.03559, 0.05846) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 65  | 234.3 (180.2, 297.0) | 0.0048049 (0.0036953, 0.0060906) | 0.1487 (0.12818, 0.17111)    | 152.7 (114.6, 188.8) | 0.0032161 (0.0024123, 0.0039751) | 0.10937 (0.09246, 0.12778) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 65  | 97.7 (69.7, 130.6)   | 0.0020046 (0.0014286, 0.0026786) | 0.06205 (0.04849, 0.07528)   | 98.7 (71.9, 125.5)   | 0.0020788 (0.0015147, 0.0026417) | 0.07069 (0.05552, 0.08545) |
| Nusa Tenggara Timur | Drowning                                      | 65  | 2.1 (0.7, 4.5)       | 0.0000422 (0.0000145, 0.0000913) | 0.0013 (0.00048, 0.00274)    | 1.1 (0.4, 2.4)       | 0.0000232 (0.0000078, 0.0000513) | 0.00079 (0.00027, 0.00169) |
| Nusa Tenggara Timur | Falls                                         | 65  | 22.9 (13.6, 35.7)    | 0.0004699 (0.0002798, 0.0007329) | 0.01451 (0.00930, 0.02082)   | 13.3 (8.3, 20.0)     | 0.0002808 (0.0001752, 0.0004202) | 0.00953 (0.00628, 0.01360) |
| Nusa Tenggara Timur | Interpersonal violence                        | 65  | 1.4 (0.7, 2.8)       | 0.0000289 (0.0000136, 0.0000574) | 0.0009 (0.00043, 0.00174)    | 0.7 (0.3, 1.5)       | 0.0000154 (0.0000065, 0.0000325) | 0.00052 (0.00023, 0.00107) |
| Nusa Tenggara Timur | Self-harm                                     | 65  | 4.2 (2.1, 7.5)       | 0.0000871 (0.0000437, 0.0001537) | 0.0027 (0.00140, 0.00455)    | 1.7 (0.8, 3.1)       | 0.0000353 (0.0000162, 0.0000657) | 0.0012 (0.00056, 0.00217)  |
| Nusa Tenggara Timur | Transport injuries                            | 65  | 17.7 (10.7, 28.1)    | 0.0003631 (0.0002189, 0.0005770) | 0.01123 (0.00715, 0.01698)   | 6.4 (3.8, 10.4)      | 0.0001343 (0.0000799, 0.0002179) | 0.00457 (0.00280, 0.00713) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 65  | 11.6 (6.7, 18.8)     | 0.0002389 (0.0001384, 0.0003851) | 0.0074 (0.00453, 0.01151)    | 4.5 (2.5, 7.1)       | 0.0000951 (0.0000530, 0.0001499) | 0.00324 (0.00185, 0.00528) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 70  | 66.0 (47.4, 90.6)    | 0.0020011 (0.0014382, 0.0027497) | 0.03925 (0.02987, 0.05024)   | 92.6 (68.6, 117.9)   | 0.0024479 (0.0018132, 0.0031149) | 0.05213 (0.04083, 0.06517) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 70  | 0.9 (0.3, 2.2)       | 0.0000261 (0.0000077, 0.0000669) | 0.00051 (0.00016, 0.00130)   | 0.9 (0.3, 2.4)       | 0.0000225 (0.0000077, 0.0000629) | 0.00053 (0.00016, 0.00128) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 70  | 57.7 (38.8, 81.6)    | 0.0017518 (0.0011771, 0.0024759) | 0.03431 (0.02526, 0.04478)   | 65.6 (46.6, 87.1)    | 0.0017327 (0.0012327, 0.0023012) | 0.0369 (0.02733, 0.04740)  |
| Nusa Tenggara Timur | Malaria                                       | 70  | 15.8 (7.6, 27.9)     | 0.0004795 (0.0002317, 0.0008456) | 0.00941 (0.00461, 0.01615)   | 11.8 (5.4, 21.9)     | 0.0003106 (0.0001430, 0.0005788) | 0.00662 (0.00304, 0.01199) |
| Nusa Tenggara Timur | Tuberculosis                                  | 70  | 214.2 (166.1, 272.8) | 0.0064993 (0.0050397, 0.0082773) | 0.1274 (0.10986, 0.14520)    | 179.2 (137.2, 216.0) | 0.0047353 (0.0036263, 0.0057082) | 0.1008 (0.08536, 0.11585)  |
| Nusa Tenggara Timur | Other communicable diseases                   | 70  | 37.0 (24.3, 52.3)    | 0.0011218 (0.0007384, 0.0015864) | 0.02199 (0.01589, 0.02948)   | 39.2 (26.0, 54.9)    | 0.0010372 (0.0006876, 0.0014520) | 0.02209 (0.01551, 0.03041) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 70  | 8.3 (3.1, 17.4)      | 0.0002533 (0.0000948, 0.0005277) | 0.00496 (0.00196, 0.00995)   | 3.0 (1.2, 6.4)       | 0.0000806 (0.0000305, 0.0001682) | 0.00172 (0.00067, 0.00365) |
| Nusa Tenggara Timur | Breast cancer                                 | 70  | 0.5 (0.2, 1.2)       | 0.0000164 (0.0000058, 0.0000376) | 0.00032 (0.00011, 0.00072)   | 24.0 (14.9, 37.3)    | 0.0006337 (0.0003934, 0.0009857) | 0.01349 (0.00867, 0.02115) |
| Nusa Tenggara Timur | Cervical cancer                               | 70  |                      |                                  |                              | 17.4 (9.0, 30.5)     | 0.0004593 (0.0002389, 0.0008051) | 0.00978 (0.00510, 0.01672) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 70  | 76.4 (55.5, 102.4)   | 0.0023191 (0.0016846, 0.0031076) | 0.04544 (0.03639, 0.05587)   | 99.3 (72.6, 126.3)   | 0.0026229 (0.0019177, 0.0033389) | 0.05584 (0.04297, 0.06951) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 70  | 305.1 (239.3, 394.1) | 0.0092571 (0.0072604, 0.0119559) | 0.18142 (0.15872, 0.20312)   | 393.8 (321.9, 467.1) | 0.0104059 (0.0085061, 0.0123429) | 0.22154 (0.19751, 0.24671) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 70  | 214.9 (163.8, 273.9) | 0.0065183 (0.0049706, 0.0083101) | 0.12782 (0.10948, 0.14818)   | 196.3 (153.4, 242.6) | 0.0051884 (0.0040542, 0.0064124) | 0.11045 (0.09329, 0.12926) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 70  | 48.9 (32.1, 77.7)    | 0.0014843 (0.0009747, 0.0023580) | 0.02911 (0.02008, 0.04328)   | 69.3 (46.5, 101.7)   | 0.0018303 (0.0012277, 0.0026876) | 0.03896 (0.02672, 0.05581) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 70  | 50.1 (35.6, 70.3)    | 0.0015191 (0.0010799, 0.0021339) | 0.0298 (0.02230, 0.03875)    | 81.3 (58.5, 108.9)   | 0.0021488 (0.0015457, 0.0028767) | 0.04574 (0.03433, 0.05949) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 70  | 37.3 (25.2, 54.0)    | 0.001131 (0.0007658, 0.0016395)  | 0.02216 (0.01618, 0.02970)   | 36.4 (26.0, 50.2)    | 0.0009631 (0.0006882, 0.0013265) | 0.02051 (0.01489, 0.02749) |
| Nusa Tenggara Timur | Cirrhosis                                     | 70  | 83.3 (58.5, 115.8)   | 0.0025259 (0.0017752, 0.0035135) | 0.04949 (0.03771, 0.06260)   | 67.2 (48.4, 88.3)    | 0.0017764 (0.0012803, 0.0023339) | 0.0378 (0.02888, 0.04816)  |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 70  | 290.2 (226.2, 365.0) | 0.0080333 (0.0068639, 0.0110741) | 0.17257 (0.15066, 0.19643)   | 228.9 (178.7, 277.9) | 0.0060487 (0.0047237, 0.0073446) | 0.12878 (0.11023, 0.14787) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 70  | 113.4 (82.4, 151.2)  | 0.0034402 (0.0024988, 0.0045865) | 0.06744 (0.05322, 0.08198)   | 139.1 (104.1, 173.9) | 0.0036748 (0.0027513, 0.0045959) | 0.07824 (0.06238, 0.09377) |
| Nusa Tenggara Timur | Drowning                                      | 70  | 3.5 (1.5, 7.7)       | 0.0001075 (0.0000458, 0.0002340) | 0.0021 (0.00092, 0.00435)    | 1.9 (0.8, 4.1)       | 0.0000514 (0.0000208, 0.0001083) | 0.00109 (0.00046, 0.00226) |
| Nusa Tenggara Timur | Falls                                         | 70  | 25.6 (16.1, 38.5)    | 0.0007763 (0.0004887, 0.0011679) | 0.01519 (0.01010, 0.02129)   | 16.1 (10.5, 23.1)    | 0.000425 (0.0002774, 0.0006113)  | 0.00904 (0.00603, 0.01260) |
| Nusa Tenggara Timur | Interpersonal violence                        | 70  | 1.0 (0.4, 2.0)       | 0.0000298 (0.0000125, 0.0000622) | 0.00059 (0.00025, 0.00122)   | 0.6 (0.2, 1.4)       | 0.0000165 (0.0000063, 0.0000371) | 0.00035 (0.00014, 0.00080) |
| Nusa Tenggara Timur | Self-harm                                     | 70  | 3.5 (1.7, 6.0)       | 0.0001054 (0.0000514, 0.0001818) | 0.00207 (0.00104, 0.00351)   | 1.7 (0.8, 3.2)       | 0.0000456 (0.0000212, 0.0000836) | 0.00097 (0.00046, 0.00175) |
| Nusa Tenggara Timur | Transport injuries                            | 70  | 16.8 (10.0, 26.2)    | 0.0005095 (0.0003024, 0.0007952) | 0.00999 (0.00613, 0.01485)   | 6.8 (3.9, 10.6)      | 0.0001786 (0.0001030, 0.0002794) | 0.00381 (0.00217, 0.00589) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 70  | 11.2 (6.3, 18.1)     | 0.0003397 (0.0001920, 0.0005504) | 0.00667 (0.00391, 0.01041)   | 5.0 (2.8, 8.3)       | 0.0001332 (0.0000742, 0.0002185) | 0.00284 (0.00158, 0.00454) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 75  | 70.2 (50.5, 97.1)    | 0.0034323 (0.0024710, 0.0047444) | 0.04877 (0.03749, 0.06156)   | 103.0 (77.3, 130.0)  | 0.0045299 (0.0033999, 0.0057158) | 0.06213 (0.04923, 0.07652) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 75  | 0.6 (0.2, 1.6)       | 0.0000287 (0.0000089, 0.0000780) | 0.00041 (0.00013, 0.00100)   | 0.7 (0.2, 1.7)       | 0.00003 (0.0000098, 0.0000747)   | 0.00041 (0.00013, 0.00102) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 75  | 54.1 (36.4, 76.8)    | 0.0026461 (0.0017793, 0.0037565) | 0.03754 (0.02807, 0.04880)   | 64.9 (46.1, 86.2)    | 0.0028523 (0.0020252, 0.0037876) | 0.03912 (0.02910, 0.04989) |
| Nusa Tenggara Timur | Malaria                                       | 75  | 14.1 (6.5, 25.2)     | 0.0006905 (0.0003182, 0.0012329) | 0.00981 (0.00470, 0.01759)   | 11.1 (5.0, 20.6)     | 0.0004885 (0.0002192, 0.0009068) | 0.00671 (0.00297, 0.01220) |
| Nusa Tenggara Timur | Tuberculosis                                  | 75  | 161.1 (123.5, 210.1) | 0.007877 (0.0060393, 0.0102699)  | 0.11185 (0.09383, 0.12894)   | 143.8 (110.1, 174.8) | 0.0063205 (0.0048404, 0.0076862) | 0.08666 (0.07165, 0.10104) |
| Nusa Tenggara Timur | Other communicable diseases                   | 75  | 31.9 (20.9, 47.4)    | 0.0015596 (0.0010240, 0.0023185) | 0.02214 (0.01562, 0.03030)   | 35.3 (23.6, 49.7)    | 0.0015511 (0.0010378, 0.0021860) | 0.02128 (0.01492, 0.02954) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 75  | 6.1 (2.3, 13.2)      | 0.0002994 (0.0001125, 0.0006430) | 0.00425 (0.00169, 0.00881)   | 2.2 (0.8, 4.7)       | 0.000096 (0.0000351, 0.0002073)  | 0.00132 (0.00050, 0.00276) |
| Nusa Tenggara Timur | Breast cancer                                 | 75  | 0.3 (0.1, 0.7)       | 0.0000147 (0.0000047, 0.0000363) | 0.00021 (0.00007, 0.00051)   | 14.2 (8.4, 23.1)     | 0.0006221 (0.0003714, 0.0010135) | 0.00853 (0.00519, 0.01346) |
| Nusa Tenggara Timur | Cervical cancer                               | 75  |                      |                                  |                              | 9.5 (4.6, 17.4)      | 0.0004161 (0.0002040, 0.0007642) | 0.00571 (0.00288, 0.01003) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 75  | 50.2 (35.9, 68.4)    | 0.0024544 (0.0017555, 0.0033427) | 0.03484 (0.02733, 0.04341)   | 78.0 (57.4, 100.9)   | 0.0034307 (0.0025214, 0.0044341) | 0.04704 (0.03606, 0.05891) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 75  | 266.2 (206.6, 349.7) | 0.0130117 (0.0100970, 0.0170921) | 0.18467 (0.16154, 0.20700)   | 377.6 (313.0, 439.9) | 0.0166006 (0.0137606, 0.0193379) | 0.22767 (0.20290, 0.25390) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 75  | 201.7 (153.7, 259.7) | 0.0098608 (0.0075150, 0.0126941) | 0.14005 (0.11916, 0.16154)   | 204.7 (159.4, 249.7) | 0.0089968 (0.0070070, 0.0109750) | 0.12336 (0.10390, 0.14387) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                      |                                  |                            | Females                          |                                  |                            |
|---------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 75  | 43.6 (28.4, 69.6)          | 0.0021334 (0.0013884, 0.0034013) | 0.03031 (0.02091, 0.04482) | 68.0 (45.5, 100.5)               | 0.0029894 (0.0019995, 0.0044182) | 0.04099 (0.02848, 0.05971) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 75  | 36.0 (24.4, 51.3)          | 0.0017595 (0.0011918, 0.0025089) | 0.02501 (0.01814, 0.03288) | 64.5 (46.2, 87.2)                | 0.0028371 (0.0020310, 0.0038316) | 0.0389 (0.02847, 0.05060)  |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 75  | 28.5 (19.4, 41.4)          | 0.0013944 (0.0009477, 0.0020252) | 0.01979 (0.01443, 0.02680) | 30.8 (22.1, 42.6)                | 0.0013536 (0.0009718, 0.0018706) | 0.01857 (0.01384, 0.02518) |
| Nusa Tenggara Timur | Cirrhosis                                                | 75  | 63.6 (44.9, 91.3)          | 0.0031077 (0.0021929, 0.0044632) | 0.04408 (0.03374, 0.05613) | 56.0 (41.1, 73.7)                | 0.0024637 (0.0018055, 0.0032420) | 0.03378 (0.02565, 0.04317) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 75  | 247.9 (190.3, 321.8)       | 0.0121202 (0.0093048, 0.0157318) | 0.17209 (0.15026, 0.19375) | 212.9 (169.5, 257.0)             | 0.0093596 (0.0074506, 0.0112993) | 0.12836 (0.10922, 0.14818) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 75  | 113.5 (83.1, 152.8)        | 0.0055498 (0.0040601, 0.0074702) | 0.07879 (0.06259, 0.09553) | 0.0067217 (0.0051024, 0.0083529) | 0.0067217 (0.0051024, 0.0083529) | 0.09217 (0.07433, 0.11055) |
| Nusa Tenggara Timur | Drowning                                                 | 75  | 4.1 (1.6, 8.7)             | 0.0002006 (0.0000788, 0.0004232) | 0.00284 (0.00122, 0.00566) | 2.3 (0.9, 4.8)                   | 0.0001018 (0.0000415, 0.0002110) | 0.0014 (0.00058, 0.00286)  |
| Nusa Tenggara Timur | Falls                                                    | 75  | 25.1 (15.4, 38.4)          | 0.001228 (0.0007514, 0.0018750)  | 0.01739 (0.01132, 0.02461) | 16.4 (10.8, 23.4)                | 0.000719 (0.0004737, 0.0010274)  | 0.00986 (0.00662, 0.01373) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 75  | 0.6 (0.2, 1.6)             | 0.0000292 (0.0000095, 0.0000766) | 0.00042 (0.00014, 0.00109) | 0.4 (0.1, 1.1)                   | 0.0000176 (0.0000057, 0.0000485) | 0.00024 (0.00008, 0.00067) |
| Nusa Tenggara Timur | Self-harm                                                | 75  | 2.5 (1.2, 4.5)             | 0.0001242 (0.0000568, 0.0002213) | 0.00177 (0.00084, 0.00308) | 1.3 (0.6, 2.6)                   | 0.000059 (0.0000251, 0.0001130)  | 0.00081 (0.00035, 0.00152) |
| Nusa Tenggara Timur | Transport injuries                                       | 75  | 10.1 (5.5, 16.9)           | 0.0004934 (0.0002713, 0.0008264) | 0.00701 (0.00398, 0.01125) | 4.2 (2.4, 7.0)                   | 0.0001859 (0.0001044, 0.0003087) | 0.00255 (0.00145, 0.00414) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 75  | 8.6 (4.7, 14.7)            | 0.0004196 (0.0002301, 0.0007164) | 0.00597 (0.00341, 0.00985) | 4.1 (2.2, 7.0)                   | 0.0001784 (0.0000951, 0.0003057) | 0.00245 (0.00132, 0.00406) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 80  | 164.4 (127.6, 209.3)       | 0.0117041 (0.0090858, 0.0148963) | 0.08421 (0.06787, 0.10177) | 295.6 (240.3, 353.9)             | 0.0149572 (0.0121618, 0.0179096) | 0.09836 (0.08129, 0.11557) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 80  | 0.8 (0.2, 2.4)             | 0.0000598 (0.0000156, 0.0001724) | 0.00043 (0.00011, 0.00119) | 1.3 (0.3, 3.4)                   | 0.0000638 (0.0000160, 0.0001707) | 0.00042 (0.00011, 0.00112) |
| Nusa Tenggara Timur | Lower respiratory infections                             | 80  | 87.0 (61.5, 117.8)         | 0.0061956 (0.0043783, 0.0083839) | 0.04454 (0.03325, 0.05780) | 137.8 (99.3, 178.2)              | 0.0069738 (0.0050266, 0.0090156) | 0.04587 (0.03388, 0.05855) |
| Nusa Tenggara Timur | Malaria                                                  | 80  | 22.2 (9.5, 42.5)           | 0.001577 (0.0006791, 0.0030216)  | 0.01135 (0.00508, 0.02082) | 21.7 (9.5, 42.9)                 | 0.0010984 (0.0004823, 0.0021685) | 0.00723 (0.00316, 0.01397) |
| Nusa Tenggara Timur | Tuberculosis                                             | 80  | 211.2 (170.7, 260.1)       | 0.015033 (0.0121473, 0.0185168)  | 0.10815 (0.09022, 0.12674) | 253.4 (200.9, 304.9)             | 0.0128218 (0.0101648, 0.0154292) | 0.08431 (0.06974, 0.09931) |
| Nusa Tenggara Timur | Other communicable diseases                              | 80  | 50.4 (34.6, 70.4)          | 0.0035868 (0.0024655, 0.0050110) | 0.0258 (0.01802, 0.03519)  | 68.6 (46.5, 95.9)                | 0.0034735 (0.0023521, 0.0048544) | 0.02285 (0.01554, 0.03128) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer                      | 80  | 6.0 (2.2, 12.9)            | 0.000429 (0.0001558, 0.0009170)  | 0.00309 (0.00114, 0.00628) | 3.2 (1.1, 6.8)                   | 0.0001604 (0.0000566, 0.0003450) | 0.00106 (0.00038, 0.00225) |
| Nusa Tenggara Timur | Breast cancer                                            | 80  | 0.3 (0.1, 0.8)             | 0.0000218 (0.0000058, 0.0000590) | 0.00016 (0.00004, 0.00042) | 16.4 (8.6, 29.1)                 | 0.0008283 (0.0004365, 0.0014732) | 0.00545 (0.00284, 0.00963) |
| Nusa Tenggara Timur | Cervical cancer                                          | 80  |                            |                                  |                            | 9.7 (4.1, 19.8)                  | 0.0004897 (0.0002099, 0.0010045) | 0.00322 (0.00138, 0.00650) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | 80  | 54.6 (40.2, 72.1)          | 0.003885 (0.0028623, 0.0051327)  | 0.02795 (0.02145, 0.03593) | 108.4 (81.2, 141.0)              | 0.0054853 (0.0041066, 0.0071336) | 0.03606 (0.02728, 0.04640) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 80  | 351.0 (292.1, 426.0)       | 0.024981 (0.0207901, 0.0303231)  | 0.1797 (0.15842, 0.20247)  | 676.6 (588.5, 772.1)             | 0.0342396 (0.0297787, 0.0390706) | 0.22519 (0.20106, 0.25165) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 80  | 243.5 (193.5, 300.8)       | 0.0173325 (0.0137702, 0.0214140) | 0.1247 (0.10499, 0.14563)  | 355.7 (289.6, 426.4)             | 0.0180015 (0.0146527, 0.0215767) | 0.11838 (0.09932, 0.13831) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 80  | 54.5 (35.5, 83.0)          | 0.0038761 (0.0025282, 0.0059076) | 0.02789 (0.01870, 0.04137) | 112.0 (75.2, 164.5)              | 0.0056652 (0.0038061, 0.0083259) | 0.03725 (0.02533, 0.05354) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 80  | 37.9 (26.8, 52.8)          | 0.0026992 (0.0019059, 0.0037584) | 0.01943 (0.01402, 0.02603) | 92.1 (65.4, 122.1)               | 0.0046602 (0.0033079, 0.0061765) | 0.03065 (0.02219, 0.04030) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 80  | 31.3 (21.4, 44.8)          | 0.0022263 (0.0015210, 0.0031855) | 0.01602 (0.01133, 0.02237) | 45.8 (32.3, 62.5)                | 0.0023156 (0.0016370, 0.0031607) | 0.01523 (0.01102, 0.02059) |
| Nusa Tenggara Timur | Cirrhosis                                                | 80  | 70.4 (50.7, 94.7)          | 0.005014 (0.0036111, 0.0067421)  | 0.03605 (0.02684, 0.04705) | 83.4 (61.5, 110.7)               | 0.00422 (0.0031138, 0.0056035)   | 0.02775 (0.02055, 0.03624) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 80  | 334.0 (277.8, 401.9)       | 0.0237744 (0.0197763, 0.0286094) | 0.17103 (0.15039, 0.19168) | 372.9 (310.7, 436.5)             | 0.018873 (0.0157254, 0.0220909)  | 0.12413 (0.10601, 0.14277) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 80  | 166.4 (128.3, 209.5)       | 0.0118419 (0.0091332, 0.0149151) | 0.08519 (0.06766, 0.10185) | 300.1 (237.1, 362.3)             | 0.0151875 (0.0119982, 0.0183358) | 0.09988 (0.08092, 0.11827) |
| Nusa Tenggara Timur | Drowning                                                 | 80  | 4.7 (1.7, 10.0)            | 0.0003353 (0.0001205, 0.0007142) | 0.00241 (0.00089, 0.00499) | 3.4 (1.2, 7.3)                   | 0.000173 (0.0000596, 0.0003677)  | 0.00114 (0.00039, 0.00242) |
| Nusa Tenggara Timur | Falls                                                    | 80  | 38.8 (25.5, 55.2)          | 0.0027605 (0.0018186, 0.0039287) | 0.01983 (0.01340, 0.02714) | 32.7 (22.5, 45.1)                | 0.0016544 (0.0011374, 0.0022812) | 0.01088 (0.00754, 0.01476) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 80  | 0.6 (0.1, 1.8)             | 0.0000405 (0.0000083, 0.0001246) | 0.00029 (0.00006, 0.00090) | 0.5 (0.1, 1.7)                   | 0.0000254 (0.0000053, 0.0000836) | 0.00017 (0.00004, 0.00056) |
| Nusa Tenggara Timur | Self-harm                                                | 80  | 2.9 (1.2, 5.8)             | 0.000208 (0.0000885, 0.0004127)  | 0.0015 (0.00065, 0.00287)  | 2.0 (0.8, 4.1)                   | 0.0001026 (0.0000402, 0.0002063) | 0.00068 (0.00027, 0.00135) |
| Nusa Tenggara Timur | Transport injuries                                       | 80  | 10.4 (5.4, 17.2)           | 0.0007369 (0.0003823, 0.0012231) | 0.0053 (0.00281, 0.00857)  | 5.6 (2.9, 9.6)                   | 0.0002849 (0.0001454, 0.0004835) | 0.00188 (0.00096, 0.00317) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 80  | 9.7 (5.0, 16.6)            | 0.0006903 (0.0003585, 0.0011844) | 0.00497 (0.00250, 0.00844) | 6.0 (3.0, 10.5)                  | 0.0003025 (0.0001503, 0.0005300) | 0.00199 (0.00097, 0.00346) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | All | 753.2 (565.6, 1,000.1)     | 0.0002975 (0.0002235, 0.0003951) | 0.04387 (0.03402, 0.05526) | 1,007.5 (786.3, 1,277.0)         | 0.0003954 (0.0003086, 0.0005011) | 0.06194 (0.05021, 0.07592) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | All | 87.4 (39.0, 163.5)         | 0.0000345 (0.0000154, 0.0000646) | 0.00509 (0.00225, 0.00935) | 62.2 (26.5, 124.8)               | 0.0000244 (0.0000104, 0.0000490) | 0.00382 (0.00170, 0.00750) |
| Nusa Tenggara Timur | Lower respiratory infections                             | All | 1,024.4 (721.4, 1,385.1)   | 0.0004047 (0.0002850, 0.0005472) | 0.05958 (0.04545, 0.07513) | 885.1 (642.0, 1,173.1)           | 0.0003474 (0.0002520, 0.0004604) | 0.05435 (0.04153, 0.06866) |
| Nusa Tenggara Timur | Malaria                                                  | All | 214.0 (115.9, 342.0)       | 0.0000845 (0.0000458, 0.0001351) | 0.01246 (0.00685, 0.01963) | 157.8 (80.5, 259.8)              | 0.0000619 (0.0000316, 0.0001020) | 0.00097 (0.00517, 0.01620) |
| Nusa Tenggara Timur | Tuberculosis                                             | All | 1,956.0 (1,552.6, 2,415.2) | 0.0007727 (0.0006134, 0.0009541) | 0.11385 (0.09833, 0.13003) | 1,450.5 (1,157.3, 1,727.6)       | 0.0005692 (0.0004542, 0.0006780) | 0.08916 (0.07549, 0.10301) |
| Nusa Tenggara Timur | Maternal disorders                                       | All |                            |                                  |                            | 129.7 (101.8, 167.9)             | 0.0000509 (0.0000399, 0.0000659) | 0.00797 (0.00643, 0.00982) |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 363.8 (174.2, 607.6)       | 0.0001437 (0.0000688, 0.0002401) | 0.02105 (0.01057, 0.03428) | 246.6 (117.8, 431.9)             | 0.0000968 (0.0000462, 0.0001695) | 0.01506 (0.00760, 0.02561) |
| Nusa Tenggara Timur | Preterm birth complications                              | All | 270.3 (119.2, 476.6)       | 0.0001068 (0.0000471, 0.0001883) | 0.01566 (0.00759, 0.02652) | 251.4 (116.1, 452.9)             | 0.0000987 (0.0000456, 0.0001777) | 0.01535 (0.00745, 0.02691) |
| Nusa Tenggara Timur | Other neonatal disorders                                 | All | 328.1 (157.4, 568.9)       | 0.0001296 (0.0000622, 0.0002247) | 0.019 (0.00971, 0.03243)   | 222.7 (100.9, 401.9)             | 0.0000874 (0.0000396, 0.0001577) | 0.01361 (0.00641, 0.02373) |
| Nusa Tenggara Timur | Other communicable diseases                              | All | 1,008.7 (759.9, 1,307.5)   | 0.0003985 (0.0003002, 0.0005166) | 0.05877 (0.04623, 0.07331) | 825.6 (612.1, 1,097.2)           | 0.000324 (0.0002402, 0.0004306)  | 0.05073 (0.03917, 0.06479) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer                      | All | 81.8 (33.0, 165.9)         | 0.0000323 (0.0000130, 0.0000655) | 0.00477 (0.00198, 0.00933) | 30.3 (11.9, 60.7)                | 0.0000119 (0.0000047, 0.0000238) | 0.00186 (0.00077, 0.00380) |
| Nusa Tenggara Timur | Breast cancer                                            | All | 7.9 (3.7, 15.7)            | 0.0000031 (0.0000014, 0.0000062) | 0.00046 (0.00021, 0.00088) | 403.1 (271.1, 581.8)             | 0.0001582 (0.0001064, 0.0002283) | 0.02477 (0.01728, 0.03469) |
| Nusa Tenggara Timur | Cervical cancer                                          | All |                            |                                  |                            | 323.3 (192.6, 516.5)             | 0.0001269 (0.0000756, 0.0002027) | 0.01985 (0.01221, 0.03079) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | All | 1,053.6 (802.1, 1,354.2)   | 0.0004162 (0.0003169, 0.0005350) | 0.06132 (0.04979, 0.07321) | 1,008.9 (758.2, 1,283.8)         | 0.0003959 (0.0002975, 0.0005038) | 0.06202 (0.04799, 0.07568) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | All | 1,923.5 (1,519.0, 2,442.8) | 0.0007599 (0.0006001, 0.0009651) | 0.11193 (0.09383, 0.12951) | 2,481.6 (2,051.6, 2,946.6)       | 0.0009739 (0.0008051, 0.0011564) | 0.15262 (0.13224, 0.17357) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | All | 1,610.4 (1,257.8, 2,014.7) | 0.0006362 (0.0004969, 0.0007959) | 0.09373 (0.07822, 0.11003) | 1,373.6 (1,078.5, 1,688.8)       | 0.0005391 (0.0004232, 0.0006627) | 0.08445 (0.07042, 0.09877) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | All | 304.7 (201.8, 477.5)       | 0.0001204 (0.0000797, 0.0001886) | 0.01774 (0.01198, 0.02675) | 433.6 (292.0, 636.5)             | 0.0001702 (0.0001146, 0.0002498) | 0.02667 (0.01802, 0.03871) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | All | 469.3 (334.5, 641.8)       | 0.0001854 (0.0001321, 0.0002535) | 0.02732 (0.02014, 0.03575) | 669.0 (479.0, 890.1)             | 0.0002626 (0.0001880, 0.0003493) | 0.0411 (0.03123, 0.05274)  |
| Nusa Tenggara Timur | Chronic kidney disease                                   | All | 377.1 (260.9, 530.8)       | 0.000149 (0.0001031, 0.0002097)  | 0.02194 (0.01587, 0.02987) | 330.4 (238.6, 448.5)             | 0.0001297 (0.0000936, 0.0001760) | 0.02031 (0.01488, 0.02712) |
| Nusa Tenggara Timur | Cirrhosis                                                | All | 924.2 (677.0, 1,243.9)     | 0.0003651 (0.0002675, 0.0004914) | 0.05375 (0.04174, 0.06777) | 646.3 (479.2, 856.2)             | 0.0002536 (0.0001881, 0.0003360) | 0.03971 (0.03051, 0.05039) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | All | 1,738.8 (1,356.4, 2,168.5) | 0.0006869 (0.0005359, 0.0008567) | 0.10121 (0.08571, 0.11893) | 1,370.1 (1,084.0, 1,649.4)       | 0.0005377 (0.0004254, 0.0006473) | 0.08429 (0.07045, 0.09988) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | All | 1,100.7 (859.5, 1,375.0)   | 0.0004348 (0.0003395, 0.0005432) | 0.06406 (0.05297, 0.07485) | 1,303.8 (1,021.6, 1,606.3)       | 0.0005117 (0.0004409, 0.0006304) | 0.08012 (0.06687, 0.09286) |
| Nusa Tenggara Timur | Drowning                                                 | All | 231.6 (143.6, 350.4)       | 0.0000915 (0.0000567, 0.0001384) | 0.01351 (0.00861, 0.02012) | 77.8 (45.3, 123.6)               | 0.0000305 (0.0000178, 0.0000485) | 0.00478 (0.00279, 0.00754) |
| Nusa Tenggara Timur | Falls                                                    | All | 287.8 (187.8, 421.5)       | 0.0001137 (0.0000742, 0.0001665) | 0.01673 (0.01137, 0.02309) | 161.8 (106.3, 233.3)             | 0.0000635 (0.0000417, 0.0000916) | 0.00994 (0.00693, 0.01357) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                |                                  |                            | Females              |                                  |                            |
|---------------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                     |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Nusa Tenggara Timur | Interpersonal violence                                   | All | 59.2 (36.4, 93.5)    | 0.0000234 (0.0000144, 0.0000369) | 0.00345 (0.00216, 0.00527) | 38.3 (22.1, 61.3)    | 0.000015 (0.0000087, 0.0000241)  | 0.00236 (0.00139, 0.00380) |
| Nusa Tenggara Timur | Self-harm                                                | All | 85.5 (49.5, 135.7)   | 0.0000338 (0.0000196, 0.0000536) | 0.00498 (0.00295, 0.00766) | 45.6 (26.1, 72.3)    | 0.0000179 (0.0000102, 0.0000284) | 0.0028 (0.00162, 0.00437)  |
| Nusa Tenggara Timur | Transport injuries                                       | All | 612.3 (446.3, 822.0) | 0.0002419 (0.0001763, 0.0003247) | 0.03567 (0.02684, 0.04579) | 212.6 (151.5, 290.9) | 0.0000834 (0.0000595, 0.0001142) | 0.01308 (0.00939, 0.01727) |
| Nusa Tenggara Timur | Other unintentional injuries                             | All | 310.7 (202.7, 453.4) | 0.0001227 (0.0000801, 0.0001791) | 0.0181 (0.01242, 0.02520)  | 123.3 (77.0, 178.7)  | 0.0000484 (0.0000302, 0.0000701) | 0.00759 (0.00481, 0.01096) |
| Kalimantan Barat    | Diarrheal diseases                                       | NN  | 7.9 (2.7, 16.3)      | 0.0020733 (0.0007079, 0.0042758) | 0.01188 (0.00608, 0.02109) | 7.1 (2.7, 15.0)      | 0.0018996 (0.0007232, 0.0040093) | 0.01413 (0.00753, 0.02521) |
| Kalimantan Barat    | Lower respiratory infections                             | NN  | 91.3 (40.0, 160.2)   | 0.0240144 (0.0105237, 0.0421186) | 0.13739 (0.09976, 0.18369) | 58.4 (25.8, 109.8)   | 0.0156025 (0.0068986, 0.0293621) | 0.11544 (0.08144, 0.15932) |
| Kalimantan Barat    | Malaria                                                  | NN  | 0.6 (0.1, 2.5)       | 0.0001606 (0.0000157, 0.0006530) | 0.00093 (0.00010, 0.00364) | 0.4 (0.0, 1.7)       | 0.000107 (0.0000098, 0.0004535)  | 0.00079 (0.00008, 0.00314) |
| Kalimantan Barat    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 195.6 (91.7, 323.0)  | 0.0514263 (0.0241057, 0.0849261) | 0.29475 (0.22393, 0.36629) | 137.6 (67.0, 241.7)  | 0.0367792 (0.0179149, 0.0646214) | 0.27438 (0.20443, 0.35287) |
| Kalimantan Barat    | Preterm birth complications                              | NN  | 147.9 (65.8, 257.9)  | 0.0388997 (0.0173162, 0.0678180) | 0.22367 (0.14306, 0.31174) | 139.5 (66.2, 250.2)  | 0.0372897 (0.0176912, 0.0668994) | 0.27796 (0.19488, 0.36231) |
| Kalimantan Barat    | Other neonatal disorders                                 | NN  | 91.0 (30.1, 187.5)   | 0.0239419 (0.0079210, 0.0493079) | 0.1376 (0.06032, 0.22670)  | 62.0 (19.5, 135.4)   | 0.0165715 (0.0052140, 0.0362050) | 0.12265 (0.05166, 0.20753) |
| Kalimantan Barat    | Other communicable diseases                              | NN  | 11.0 (4.0, 23.7)     | 0.0028809 (0.0010392, 0.0062280) | 0.01638 (0.00867, 0.02942) | 6.9 (2.5, 16.2)      | 0.0018576 (0.0006572, 0.0043291) | 0.01377 (0.00701, 0.02553) |
| Kalimantan Barat    | Other malignant neoplasms                                | NN  | 4.9 (1.7, 10.8)      | 0.0012769 (0.0004421, 0.0028508) | 0.00737 (0.00338, 0.01360) | 3.9 (1.3, 9.1)       | 0.0010543 (0.0003603, 0.0024301) | 0.00783 (0.00361, 0.01431) |
| Kalimantan Barat    | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.5)       | 0.0002498 (0.0000579, 0.0006524) | 0.00142 (0.00043, 0.00318) | 1.0 (0.2, 2.7)       | 0.0002682 (0.0000653, 0.0007123) | 0.00199 (0.00064, 0.00438) |
| Kalimantan Barat    | Other cardiovascular and circulatory diseases            | NN  | 1.3 (0.3, 3.6)       | 0.0003321 (0.0000729, 0.0009496) | 0.0019 (0.00051, 0.00481)  | 1.3 (0.3, 3.7)       | 0.0003446 (0.0000758, 0.0009912) | 0.00254 (0.00073, 0.00642) |
| Kalimantan Barat    | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.6)       | 0.0000537 (0.0000003, 0.0004223) | 0.00032 (0.00000, 0.00226) | 0.3 (0.0, 2.0)       | 0.0000682 (0.0000003, 0.0005275) | 0.00049 (0.00000, 0.00351) |
| Kalimantan Barat    | Other non-communicable diseases                          | NN  | 81.4 (40.0, 133.3)   | 0.0214148 (0.0105287, 0.0350646) | 0.12288 (0.09878, 0.14921) | 75.5 (38.1, 127.7)   | 0.0201766 (0.0101819, 0.0341425) | 0.15002 (0.12220, 0.18033) |
| Kalimantan Barat    | Drowning                                                 | NN  | 9.3 (3.1, 20.8)      | 0.0024501 (0.0008049, 0.0054782) | 0.01405 (0.00656, 0.02717) | 2.5 (0.8, 5.9)       | 0.0006604 (0.0002037, 0.0015663) | 0.00489 (0.00209, 0.00996) |
| Kalimantan Barat    | Falls                                                    | NN  | 2.4 (0.6, 6.1)       | 0.0006361 (0.0001673, 0.0015928) | 0.00364 (0.00120, 0.00784) | 0.9 (0.2, 2.2)       | 0.0002293 (0.0000611, 0.0005985) | 0.00169 (0.00055, 0.00383) |
| Kalimantan Barat    | Interpersonal violence                                   | NN  | 1.6 (0.4, 4.0)       | 0.000416 (0.0001085, 0.0010552)  | 0.00239 (0.00088, 0.00522) | 0.9 (0.2, 2.4)       | 0.0002467 (0.0000638, 0.0006418) | 0.00181 (0.00064, 0.00402) |
| Kalimantan Barat    | Transport injuries                                       | NN  | 4.9 (1.4, 11.3)      | 0.0012856 (0.0003729, 0.0029651) | 0.00732 (0.00298, 0.01451) | 1.3 (0.4, 3.0)       | 0.0003361 (0.0000976, 0.0008069) | 0.00249 (0.00099, 0.00496) |
| Kalimantan Barat    | Other unintentional injuries                             | NN  | 10.7 (3.7, 23.0)     | 0.0028098 (0.0009635, 0.0060522) | 0.01609 (0.00817, 0.02825) | 3.6 (1.2, 8.0)       | 0.0009581 (0.0003280, 0.0021330) | 0.00711 (0.00351, 0.01288) |
| Kalimantan Barat    | Diarrheal diseases                                       | PNN | 90.2 (39.6, 160.3)   | 0.001901 (0.0008341, 0.0033778)  | 0.20317 (0.12574, 0.28660) | 98.2 (41.9, 174.8)   | 0.0021047 (0.0008968, 0.0037435) | 0.25851 (0.16892, 0.35084) |
| Kalimantan Barat    | HIV/AIDS                                                 | PNN | 4.6 (0.8, 14.6)      | 0.0000969 (0.0000173, 0.0003075) | 0.01032 (0.00217, 0.03267) | 3.4 (0.6, 11.5)      | 0.0000734 (0.0000125, 0.0002454) | 0.00899 (0.00189, 0.02879) |
| Kalimantan Barat    | Lower respiratory infections                             | PNN | 82.8 (39.2, 142.5)   | 0.0017453 (0.0008252, 0.0030028) | 0.18615 (0.13580, 0.24444) | 61.6 (28.2, 109.8)   | 0.00132 (0.0006044, 0.0023520)   | 0.16166 (0.11424, 0.21509) |
| Kalimantan Barat    | Malaria                                                  | PNN | 6.9 (0.7, 26.2)      | 0.0001449 (0.0000149, 0.0005523) | 0.0154 (0.00182, 0.05695)  | 5.4 (0.6, 20.9)      | 0.0001157 (0.0000118, 0.0004476) | 0.0139 (0.00148, 0.05129)  |
| Kalimantan Barat    | Tuberculosis                                             | PNN | 15.0 (5.4, 31.7)     | 0.0003153 (0.0001134, 0.0006689) | 0.03355 (0.01676, 0.06195) | 11.4 (3.9, 24.7)     | 0.0002444 (0.0000833, 0.0005289) | 0.02996 (0.01425, 0.05608) |
| Kalimantan Barat    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 5.7 (1.6, 14.4)      | 0.0001199 (0.0000343, 0.0003043) | 0.01289 (0.00454, 0.02921) | 4.4 (1.2, 11.6)      | 0.0000952 (0.0000254, 0.0002478) | 0.01173 (0.00405, 0.02776) |
| Kalimantan Barat    | Preterm birth complications                              | PNN | 10.6 (3.3, 23.7)     | 0.0002231 (0.0000690, 0.0005003) | 0.02382 (0.00988, 0.04770) | 12.4 (4.1, 29.4)     | 0.000266 (0.0000869, 0.0006290)  | 0.03255 (0.01427, 0.06297) |
| Kalimantan Barat    | Other neonatal disorders                                 | PNN | 10.1 (2.2, 28.8)     | 0.0002137 (0.0000466, 0.0006076) | 0.02284 (0.00634, 0.05675) | 7.8 (1.7, 22.2)      | 0.0001675 (0.0000372, 0.0004752) | 0.02062 (0.00549, 0.05217) |
| Kalimantan Barat    | Other communicable diseases                              | PNN | 137.8 (64.2, 245.1)  | 0.0029037 (0.0013516, 0.0051636) | 0.30862 (0.22166, 0.40304) | 106.0 (48.0, 192.0)  | 0.0022698 (0.0010281, 0.0041133) | 0.27759 (0.18981, 0.38368) |
| Kalimantan Barat    | Other malignant neoplasms                                | PNN | 3.1 (1.1, 6.8)       | 0.000066 (0.0000226, 0.0001428)  | 0.007 (0.00329, 0.01302)   | 2.9 (1.0, 6.0)       | 0.0000616 (0.0000206, 0.0001293) | 0.00752 (0.00352, 0.01381) |
| Kalimantan Barat    | Cerebrovascular disease                                  | PNN | 0.6 (0.2, 1.6)       | 0.0000128 (0.0000032, 0.0000330) | 0.00136 (0.00041, 0.00303) | 0.7 (0.2, 1.8)       | 0.0000157 (0.0000039, 0.0000394) | 0.00191 (0.00061, 0.00415) |
| Kalimantan Barat    | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.6)       | 0.0000073 (0.0000004, 0.0000345) | 0.00078 (0.00005, 0.00370) | 0.4 (0.0, 2.2)       | 0.0000091 (0.0000005, 0.0000473) | 0.00109 (0.00008, 0.00506) |
| Kalimantan Barat    | Other cardiovascular and circulatory diseases            | PNN | 0.8 (0.2, 2.2)       | 0.0000169 (0.0000041, 0.0000459) | 0.0018 (0.00048, 0.00455)  | 0.9 (0.2, 2.7)       | 0.0000199 (0.0000046, 0.0000577) | 0.00243 (0.00069, 0.00614) |
| Kalimantan Barat    | Diabetes mellitus                                        | PNN | 0.1 (0.0, 1.1)       | 0.000003 (0.0000000, 0.0000234)  | 0.00031 (0.00000, 0.00217) | 0.2 (0.0, 1.4)       | 0.000004 (0.0000000, 0.0000310)  | 0.00047 (0.00000, 0.00337) |
| Kalimantan Barat    | Chronic kidney disease                                   | PNN | 3.2 (1.1, 7.0)       | 0.0000682 (0.0000240, 0.0001470) | 0.00727 (0.00335, 0.01360) | 3.0 (1.0, 6.9)       | 0.0000634 (0.0000215, 0.0001488) | 0.00773 (0.00362, 0.01441) |
| Kalimantan Barat    | Other non-communicable diseases                          | PNN | 51.7 (25.2, 85.5)    | 0.0010887 (0.0005317, 0.0018008) | 0.11604 (0.09209, 0.14207) | 54.5 (26.6, 94.8)    | 0.0011676 (0.0005693, 0.0020311) | 0.14306 (0.11528, 0.17211) |
| Kalimantan Barat    | Drowning                                                 | PNN | 7.2 (2.4, 15.7)      | 0.0001523 (0.0000512, 0.0003298) | 0.0162 (0.00781, 0.03057)  | 2.2 (0.7, 5.0)       | 0.0000468 (0.0000151, 0.0001074) | 0.0057 (0.00252, 0.01126)  |
| Kalimantan Barat    | Falls                                                    | PNN | 1.8 (0.5, 4.6)       | 0.000038 (0.0000102, 0.0000971)  | 0.00403 (0.00138, 0.00854) | 0.7 (0.2, 1.9)       | 0.0000156 (0.0000041, 0.0000415) | 0.0019 (0.00065, 0.00422)  |
| Kalimantan Barat    | Interpersonal violence                                   | PNN | 1.1 (0.3, 2.7)       | 0.0000242 (0.0000068, 0.0000578) | 0.00259 (0.00099, 0.00554) | 0.8 (0.2, 2.0)       | 0.0000163 (0.0000044, 0.0000429) | 0.00198 (0.00072, 0.00428) |
| Kalimantan Barat    | Transport injuries                                       | PNN | 3.7 (1.2, 8.5)       | 0.0000786 (0.0000243, 0.0001798) | 0.00834 (0.00348, 0.01592) | 1.1 (0.3, 2.6)       | 0.0000236 (0.0000069, 0.0000559) | 0.00287 (0.00117, 0.00563) |
| Kalimantan Barat    | Other unintentional injuries                             | PNN | 7.8 (2.8, 16.4)      | 0.0001647 (0.0000592, 0.0003446) | 0.01752 (0.00905, 0.02998) | 3.0 (1.0, 6.7)       | 0.0000661 (0.0000224, 0.0001439) | 0.00782 (0.00394, 0.01380) |
| Kalimantan Barat    | Diarrheal diseases                                       | 1   | 15.1 (5.1, 33.2)     | 0.0000732 (0.0000247, 0.0001613) | 0.10539 (0.05739, 0.16161) | 18.9 (7.3, 39.6)     | 0.0000968 (0.0000375, 0.0002025) | 0.1454 (0.08483, 0.21391)  |
| Kalimantan Barat    | HIV/AIDS                                                 | 1   | 1.8 (0.3, 6.1)       | 0.0000087 (0.0000015, 0.0000294) | 0.01247 (0.00257, 0.03844) | 1.6 (0.3, 5.4)       | 0.000008 (0.0000013, 0.0000278)  | 0.01199 (0.00260, 0.03965) |
| Kalimantan Barat    | Lower respiratory infections                             | 1   | 31.4 (12.2, 67.1)    | 0.0001526 (0.0000592, 0.0003257) | 0.22044 (0.16136, 0.28568) | 27.5 (11.3, 53.2)    | 0.0001408 (0.0000580, 0.0002724) | 0.21188 (0.15106, 0.27882) |
| Kalimantan Barat    | Malaria                                                  | 1   | 0.9 (0.1, 4.0)       | 0.0000045 (0.0000004, 0.0000193) | 0.00647 (0.00078, 0.02520) | 0.8 (0.1, 3.4)       | 0.0000042 (0.0000004, 0.0000175) | 0.00634 (0.00069, 0.02492) |
| Kalimantan Barat    | Tuberculosis                                             | 1   | 6.1 (2.0, 14.0)      | 0.0000296 (0.0000095, 0.0000678) | 0.04272 (0.02292, 0.07581) | 5.5 (2.0, 12.3)      | 0.000028 (0.0000101, 0.0000627)  | 0.04223 (0.02174, 0.07562) |
| Kalimantan Barat    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.1 (0.3, 3.2)       | 0.0000055 (0.0000012, 0.0000155) | 0.008 (0.00248, 0.01974)   | 1.0 (0.2, 2.7)       | 0.000005 (0.0000011, 0.0000139)  | 0.00757 (0.00243, 0.01824) |
| Kalimantan Barat    | Preterm birth complications                              | 1   | 0.4 (0.1, 1.5)       | 0.000002 (0.0000003, 0.0000074)  | 0.00281 (0.00052, 0.00911) | 0.5 (0.1, 1.8)       | 0.0000027 (0.0000004, 0.0000093) | 0.004 (0.00079, 0.01252)   |
| Kalimantan Barat    | Other neonatal disorders                                 | 1   | 0.3 (0.0, 2.2)       | 0.0000014 (0.0000000, 0.0000106) | 0.00206 (0.00002, 0.01430) | 0.2 (0.0, 1.6)       | 0.0000013 (0.0000000, 0.0000082) | 0.00193 (0.00001, 0.01376) |
| Kalimantan Barat    | Other communicable diseases                              | 1   | 47.8 (18.8, 97.7)    | 0.0002318 (0.0000913, 0.0004744) | 0.33524 (0.26161, 0.41279) | 43.3 (18.7, 84.1)    | 0.0002215 (0.0000959, 0.0004302) | 0.33375 (0.25285, 0.42133) |
| Kalimantan Barat    | Other malignant neoplasms                                | 1   | 0.8 (0.2, 2.0)       | 0.000004 (0.0000011, 0.0000096)  | 0.00582 (0.00265, 0.01072) | 1.0 (0.3, 2.3)       | 0.0000049 (0.0000016, 0.0000118) | 0.00735 (0.00340, 0.01363) |
| Kalimantan Barat    | Cerebrovascular disease                                  | 1   | 0.2 (0.0, 0.5)       | 0.0000009 (0.0000002, 0.0000024) | 0.00123 (0.00038, 0.00275) | 0.3 (0.1, 0.7)       | 0.0000014 (0.0000003, 0.0000036) | 0.00204 (0.00067, 0.00441) |
| Kalimantan Barat    | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.5)       | 0.0000005 (0.0000000, 0.0000026) | 0.00072 (0.00005, 0.00350) | 0.2 (0.0, 0.8)       | 0.0000008 (0.0000000, 0.0000040) | 0.00118 (0.00008, 0.00544) |
| Kalimantan Barat    | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.7)       | 0.0000011 (0.0000002, 0.0000033) | 0.00154 (0.00042, 0.00398) | 0.3 (0.1, 1.0)       | 0.0000016 (0.0000003, 0.0000049) | 0.00243 (0.00069, 0.00605) |
| Kalimantan Barat    | Diabetes mellitus                                        | 1   | - (0.0, 0.3)         | 0.0000002 (0.0000000, 0.0000013) | 0.00026 (0.00000, 0.00195) | 0.1 (0.0, 0.5)       | 0.0000003 (0.0000000, 0.0000024) | 0.00046 (0.00000, 0.00356) |
| Kalimantan Barat    | Chronic kidney disease                                   | 1   | 0.8 (0.2, 2.1)       | 0.0000041 (0.0000011, 0.0000100) | 0.00585 (0.00265, 0.01145) | 1.0 (0.3, 2.3)       | 0.0000049 (0.0000015, 0.0000115) | 0.0073 (0.00341, 0.01414)  |
| Kalimantan Barat    | Cirrhosis                                                | 1   | 1.2 (0.3, 3.2)       | 0.0000059 (0.0000015, 0.0000156) | 0.00844 (0.00311, 0.01777) | 0.8 (0.2, 2.0)       | 0.0000041 (0.0000010, 0.0000105) | 0.00611 (0.00215, 0.01294) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Barat | Chronic respiratory diseases                  | 1   | 2.5 (0.7, 6.2)    | 0.0000119 (0.0000035, 0.0000300) | 0.01719 (0.00768, 0.03245) | 1.2 (0.3, 3.3)    | 0.0000063 (0.0000017, 0.0000167) | 0.00944 (0.00366, 0.02028) |
| Kalimantan Barat | Other non-communicable diseases               | 1   | 13.8 (5.2, 29.4)  | 0.0000672 (0.0000251, 0.0001428) | 0.09673 (0.07295, 0.12386) | 18.2 (7.8, 35.8)  | 0.0000931 (0.0000401, 0.0001831) | 0.14001 (0.11111, 0.17353) |
| Kalimantan Barat | Drowning                                      | 1   | 7.6 (2.3, 17.2)   | 0.0000366 (0.0000113, 0.0000834) | 0.05314 (0.02703, 0.08724) | 2.8 (0.9, 6.1)    | 0.0000143 (0.0000045, 0.0000314) | 0.02169 (0.00964, 0.03859) |
| Kalimantan Barat | Falls                                         | 1   | 1.3 (0.3, 3.5)    | 0.0000065 (0.0000016, 0.0000172) | 0.00929 (0.00343, 0.01779) | 0.7 (0.2, 1.8)    | 0.0000034 (0.0000008, 0.0000090) | 0.00501 (0.00171, 0.01075) |
| Kalimantan Barat | Interpersonal violence                        | 1   | 0.7 (0.2, 1.8)    | 0.0000034 (0.0000009, 0.0000086) | 0.00489 (0.00210, 0.00996) | 0.6 (0.2, 1.3)    | 0.0000028 (0.0000008, 0.0000068) | 0.0043 (0.00168, 0.00843)  |
| Kalimantan Barat | Transport injuries                            | 1   | 3.5 (1.0, 8.3)    | 0.0000171 (0.0000050, 0.0000404) | 0.02461 (0.01081, 0.04491) | 1.3 (0.4, 3.1)    | 0.0000065 (0.0000020, 0.0000158) | 0.0098 (0.00401, 0.01895)  |
| Kalimantan Barat | Other unintentional injuries                  | 1   | 5.0 (1.6, 11.2)   | 0.0000241 (0.0000077, 0.0000544) | 0.03469 (0.01767, 0.05747) | 2.3 (0.8, 5.1)    | 0.0000118 (0.0000039, 0.0000263) | 0.0178 (0.00862, 0.03092)  |
| Kalimantan Barat | Diarrheal diseases                            | 5   | 15.2 (8.0, 24.0)  | 0.0000571 (0.0000301, 0.0000901) | 0.07764 (0.04152, 0.11939) | 15.5 (8.8, 23.9)  | 0.0000609 (0.0000346, 0.0000942) | 0.11479 (0.06549, 0.17382) |
| Kalimantan Barat | HIV/AIDS                                      | 5   | 1.3 (0.2, 4.2)    | 0.0000049 (0.0000007, 0.0000159) | 0.00667 (0.00093, 0.02250) | 0.9 (0.1, 3.1)    | 0.0000036 (0.0000005, 0.0000122) | 0.00674 (0.00098, 0.02343) |
| Kalimantan Barat | Lower respiratory infections                  | 5   | 21.7 (13.9, 31.0) | 0.0000815 (0.0000522, 0.0001168) | 0.11098 (0.07222, 0.15601) | 15.2 (9.5, 22.0)  | 0.0000598 (0.0000374, 0.0000869) | 0.11282 (0.07101, 0.16057) |
| Kalimantan Barat | Malaria                                       | 5   | 0.9 (0.1, 3.2)    | 0.0000035 (0.0000004, 0.0000120) | 0.00472 (0.00059, 0.01618) | 0.7 (0.1, 2.4)    | 0.0000026 (0.0000003, 0.0000093) | 0.00494 (0.00056, 0.01789) |
| Kalimantan Barat | Tuberculosis                                  | 5   | 6.0 (3.0, 10.8)   | 0.0000226 (0.0000113, 0.0000407) | 0.03072 (0.01560, 0.05463) | 4.3 (2.2, 7.7)    | 0.000017 (0.0000086, 0.0000303)  | 0.03209 (0.01612, 0.05659) |
| Kalimantan Barat | Other communicable diseases                   | 5   | 47.8 (35.4, 62.1) | 0.0001798 (0.0001330, 0.0002336) | 0.24478 (0.18766, 0.30758) | 35.1 (25.9, 45.9) | 0.0001383 (0.0001022, 0.0001810) | 0.26065 (0.19572, 0.33511) |
| Kalimantan Barat | Other malignant neoplasms                     | 5   | 7.1 (3.8, 12.3)   | 0.0000268 (0.0000141, 0.0000464) | 0.03647 (0.01972, 0.06107) | 6.8 (3.7, 11.3)   | 0.0000267 (0.0000145, 0.0000445) | 0.05037 (0.02682, 0.08317) |
| Kalimantan Barat | Cerebrovascular disease                       | 5   | 1.0 (0.5, 2.0)    | 0.0000039 (0.0000018, 0.0000076) | 0.00533 (0.00239, 0.01017) | 1.3 (0.6, 2.4)    | 0.000005 (0.0000023, 0.0000094)  | 0.00953 (0.00453, 0.01746) |
| Kalimantan Barat | Ischemic heart disease                        | 5   | 0.7 (0.2, 1.5)    | 0.0000026 (0.0000009, 0.0000057) | 0.00351 (0.00122, 0.00770) | 0.8 (0.3, 1.8)    | 0.0000033 (0.0000012, 0.0000069) | 0.00618 (0.00219, 0.01266) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 5   | 1.4 (0.5, 3.3)    | 0.0000054 (0.0000020, 0.0000124) | 0.00738 (0.00272, 0.01636) | 1.7 (0.7, 3.5)    | 0.0000066 (0.0000029, 0.0000138) | 0.01249 (0.00522, 0.02575) |
| Kalimantan Barat | Diabetes mellitus                             | 5   | 0.6 (0.2, 1.4)    | 0.0000023 (0.0000008, 0.0000052) | 0.00312 (0.00108, 0.00730) | 0.8 (0.3, 1.9)    | 0.0000033 (0.0000011, 0.0000074) | 0.00625 (0.00224, 0.01400) |
| Kalimantan Barat | Chronic kidney disease                        | 5   | 2.5 (1.2, 4.4)    | 0.0000093 (0.0000044, 0.0000164) | 0.01263 (0.00607, 0.02201) | 2.3 (1.2, 4.1)    | 0.0000091 (0.0000046, 0.0000161) | 0.01726 (0.00864, 0.02976) |
| Kalimantan Barat | Cirrhosis                                     | 5   | 4.6 (2.2, 8.2)    | 0.0000171 (0.0000084, 0.0000310) | 0.02331 (0.01174, 0.04047) | 2.5 (1.2, 4.5)    | 0.0000099 (0.0000048, 0.0000178) | 0.01864 (0.00915, 0.03304) |
| Kalimantan Barat | Chronic respiratory diseases                  | 5   | 2.8 (1.3, 5.2)    | 0.0000106 (0.0000048, 0.0000196) | 0.01447 (0.00630, 0.02664) | 1.1 (0.5, 2.3)    | 0.0000045 (0.0000019, 0.0000089) | 0.00852 (0.00357, 0.01647) |
| Kalimantan Barat | Other non-communicable diseases               | 5   | 17.6 (12.3, 24.5) | 0.0000664 (0.0000462, 0.0000922) | 0.09038 (0.06403, 0.12203) | 19.2 (13.9, 25.8) | 0.0000757 (0.0000548, 0.0001015) | 0.14271 (0.10515, 0.18552) |
| Kalimantan Barat | Drowning                                      | 5   | 35.5 (23.1, 48.8) | 0.0001335 (0.0000869, 0.0001836) | 0.18183 (0.12261, 0.24467) | 14.5 (8.6, 21.6)  | 0.000057 (0.0000337, 0.0000849)  | 0.10755 (0.06359, 0.15937) |
| Kalimantan Barat | Falls                                         | 5   | 3.5 (1.4, 6.7)    | 0.0000132 (0.0000054, 0.0000251) | 0.01794 (0.00734, 0.03355) | 1.7 (0.7, 3.3)    | 0.0000066 (0.0000026, 0.0000130) | 0.0124 (0.00486, 0.02470)  |
| Kalimantan Barat | Interpersonal violence                        | 5   | 0.8 (0.3, 1.7)    | 0.0000031 (0.0000013, 0.0000065) | 0.00424 (0.00178, 0.00900) | 0.6 (0.3, 1.3)    | 0.0000025 (0.0000010, 0.0000051) | 0.00477 (0.00193, 0.00960) |
| Kalimantan Barat | Transport injuries                            | 5   | 17.4 (9.3, 28.1)  | 0.0000655 (0.0000351, 0.0001056) | 0.08909 (0.04873, 0.14237) | 6.5 (3.1, 11.3)   | 0.0000256 (0.0000121, 0.0000446) | 0.04829 (0.02285, 0.08411) |
| Kalimantan Barat | Other unintentional injuries                  | 5   | 6.8 (3.6, 11.2)   | 0.0000256 (0.0000137, 0.0000421) | 0.03478 (0.01950, 0.05734) | 3.1 (1.6, 5.5)    | 0.0000122 (0.0000061, 0.0000217) | 0.02304 (0.01178, 0.04034) |
| Kalimantan Barat | Diarrheal diseases                            | 10  | 7.9 (3.9, 13.9)   | 0.0000314 (0.0000155, 0.0000549) | 0.03879 (0.01869, 0.06661) | 7.3 (3.6, 12.2)   | 0.0000304 (0.0000148, 0.0000508) | 0.05782 (0.02920, 0.09660) |
| Kalimantan Barat | HIV/AIDS                                      | 10  | 1.4 (0.3, 4.3)    | 0.0000054 (0.0000011, 0.0000168) | 0.00673 (0.00138, 0.02084) | 0.9 (0.2, 2.7)    | 0.0000037 (0.0000007, 0.0000114) | 0.00703 (0.00144, 0.02271) |
| Kalimantan Barat | Lower respiratory infections                  | 10  | 14.8 (8.2, 23.5)  | 0.0000585 (0.0000325, 0.0000929) | 0.07225 (0.03995, 0.11215) | 9.1 (5.1, 14.6)   | 0.0000381 (0.0000211, 0.0000610) | 0.07245 (0.04023, 0.11611) |
| Kalimantan Barat | Malaria                                       | 10  | 2.0 (0.3, 6.2)    | 0.0000077 (0.0000011, 0.0000247) | 0.00953 (0.00139, 0.03065) | 1.3 (0.2, 4.5)    | 0.0000056 (0.0000007, 0.0000189) | 0.0106 (0.00141, 0.03567)  |
| Kalimantan Barat | Tuberculosis                                  | 10  | 14.3 (8.3, 23.0)  | 0.0000565 (0.0000328, 0.0000912) | 0.0698 (0.04030, 0.11098)  | 9.7 (5.7, 15.4)   | 0.0000405 (0.0000239, 0.0000643) | 0.07696 (0.04539, 0.11932) |
| Kalimantan Barat | Maternal disorders                            | 10  |                   |                                  |                            | 0.5 (0.1, 1.4)    | 0.0000022 (0.0000004, 0.0000056) | 0.00411 (0.00073, 0.01057) |
| Kalimantan Barat | Other communicable diseases                   | 10  | 38.2 (26.8, 50.1) | 0.0001513 (0.0001061, 0.0001983) | 0.18695 (0.13382, 0.24369) | 24.4 (16.9, 32.5) | 0.0001018 (0.0000703, 0.0001354) | 0.1937 (0.13632, 0.25343)  |
| Kalimantan Barat | Other malignant neoplasms                     | 10  | 11.2 (6.8, 17.8)  | 0.0000444 (0.0000268, 0.0000706) | 0.05485 (0.03327, 0.08754) | 10.1 (6.3, 15.3)  | 0.0000422 (0.0000262, 0.0000640) | 0.08031 (0.05012, 0.12040) |
| Kalimantan Barat | Cerebrovascular disease                       | 10  | 1.8 (1.0, 3.2)    | 0.0000073 (0.0000038, 0.0000127) | 0.009 (0.00472, 0.01540)   | 2.0 (1.0, 3.3)    | 0.0000084 (0.0000044, 0.0000137) | 0.01593 (0.00853, 0.02556) |
| Kalimantan Barat | Ischemic heart disease                        | 10  | 1.8 (0.9, 3.3)    | 0.0000072 (0.0000036, 0.0000131) | 0.00887 (0.00447, 0.01563) | 2.0 (1.1, 3.4)    | 0.0000082 (0.0000044, 0.0000142) | 0.01562 (0.00838, 0.02716) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 10  | 2.3 (1.1, 4.4)    | 0.0000092 (0.0000042, 0.0000172) | 0.01143 (0.00523, 0.02126) | 2.5 (1.2, 4.6)    | 0.0000104 (0.0000051, 0.0000193) | 0.01983 (0.00963, 0.03596) |
| Kalimantan Barat | Diabetes mellitus                             | 10  | 0.9 (0.4, 1.7)    | 0.0000037 (0.0000018, 0.0000068) | 0.00458 (0.00217, 0.00842) | 1.2 (0.6, 2.2)    | 0.000005 (0.0000024, 0.0000092)  | 0.00951 (0.00462, 0.01721) |
| Kalimantan Barat | Chronic kidney disease                        | 10  | 3.7 (2.2, 5.8)    | 0.0000148 (0.0000088, 0.0000230) | 0.01833 (0.01095, 0.02827) | 3.3 (2.0, 5.2)    | 0.0000138 (0.0000083, 0.0000215) | 0.02629 (0.01376, 0.03981) |
| Kalimantan Barat | Cirrhosis                                     | 10  | 5.7 (3.2, 9.3)    | 0.0000225 (0.0000127, 0.0000369) | 0.02783 (0.01611, 0.04537) | 2.8 (1.5, 4.5)    | 0.0000117 (0.0000064, 0.0000190) | 0.02229 (0.01236, 0.03579) |
| Kalimantan Barat | Chronic respiratory diseases                  | 10  | 5.6 (3.0, 9.2)    | 0.0000222 (0.0000119, 0.0000365) | 0.02745 (0.01449, 0.04513) | 2.2 (1.1, 3.9)    | 0.0000093 (0.0000046, 0.0000163) | 0.01777 (0.00885, 0.03080) |
| Kalimantan Barat | Other non-communicable diseases               | 10  | 22.3 (16.2, 29.0) | 0.0000883 (0.0000640, 0.0001148) | 0.10907 (0.08109, 0.14298) | 21.7 (16.3, 28.5) | 0.0000906 (0.0000679, 0.0001190) | 0.17226 (0.13059, 0.22177) |
| Kalimantan Barat | Drowning                                      | 10  | 23.7 (13.5, 36.4) | 0.0000937 (0.0000533, 0.0001440) | 0.11575 (0.06593, 0.17664) | 7.3 (3.6, 12.6)   | 0.0000304 (0.0000150, 0.0000528) | 0.05793 (0.02898, 0.09890) |
| Kalimantan Barat | Falls                                         | 10  | 3.8 (1.6, 7.6)    | 0.0000148 (0.0000063, 0.0000300) | 0.01833 (0.00767, 0.03653) | 1.5 (0.6, 3.0)    | 0.0000061 (0.0000025, 0.0000125) | 0.01165 (0.00470, 0.02392) |
| Kalimantan Barat | Interpersonal violence                        | 10  | 1.6 (0.8, 2.8)    | 0.0000062 (0.0000031, 0.0000111) | 0.00763 (0.00392, 0.01374) | 1.1 (0.5, 2.0)    | 0.0000046 (0.0000022, 0.0000081) | 0.00877 (0.00420, 0.01557) |
| Kalimantan Barat | Self-harm                                     | 10  | 2.2 (0.9, 4.7)    | 0.0000089 (0.0000034, 0.0000188) | 0.01098 (0.00420, 0.02323) | 1.4 (0.5, 2.9)    | 0.0000057 (0.0000022, 0.0000120) | 0.0109 (0.00425, 0.02286)  |
| Kalimantan Barat | Transport injuries                            | 10  | 31.1 (19.9, 44.5) | 0.000123 (0.0000787, 0.0001762)  | 0.15194 (0.09701, 0.21500) | 10.4 (5.9, 16.4)  | 0.0000433 (0.0000245, 0.0000683) | 0.08243 (0.04703, 0.12827) |
| Kalimantan Barat | Other unintentional injuries                  | 10  | 8.2 (4.6, 12.7)   | 0.0000323 (0.0000184, 0.0000503) | 0.03993 (0.02286, 0.06269) | 3.3 (1.7, 5.5)    | 0.0000136 (0.0000071, 0.0000228) | 0.02585 (0.01376, 0.04293) |
| Kalimantan Barat | Diarrheal diseases                            | 15  | 4.9 (1.9, 9.7)    | 0.0000222 (0.0000088, 0.0000442) | 0.01707 (0.00677, 0.03312) | 3.3 (1.4, 6.2)    | 0.0000157 (0.0000065, 0.0000293) | 0.01837 (0.00764, 0.03492) |
| Kalimantan Barat | HIV/AIDS                                      | 15  | 1.3 (0.2, 4.5)    | 0.000006 (0.0000010, 0.0000206)  | 0.00465 (0.00080, 0.01595) | 0.7 (0.1, 2.4)    | 0.0000031 (0.0000005, 0.0000112) | 0.00359 (0.00059, 0.01315) |
| Kalimantan Barat | Lower respiratory infections                  | 15  | 8.1 (3.9, 14.6)   | 0.000037 (0.0000178, 0.0000667)  | 0.02841 (0.01428, 0.04824) | 3.6 (1.7, 6.3)    | 0.0000168 (0.0000078, 0.0000298) | 0.01958 (0.00926, 0.03461) |
| Kalimantan Barat | Malaria                                       | 15  | 4.4 (0.7, 13.1)   | 0.0000203 (0.0000033, 0.0000601) | 0.01551 (0.00270, 0.04300) | 2.3 (0.3, 6.6)    | 0.0000108 (0.0000016, 0.0000310) | 0.01265 (0.00190, 0.03602) |
| Kalimantan Barat | Tuberculosis                                  | 15  | 24.4 (15.1, 36.8) | 0.0001118 (0.0000692, 0.0001684) | 0.08593 (0.05713, 0.12210) | 11.8 (7.4, 17.3)  | 0.0000557 (0.0000349, 0.0000814) | 0.06499 (0.04195, 0.09452) |
| Kalimantan Barat | Maternal disorders                            | 15  |                   |                                  |                            | 16.0 (9.8, 24.0)  | 0.0000752 (0.0000459, 0.0001128) | 0.0878 (0.05568, 0.12864)  |
| Kalimantan Barat | Other communicable diseases                   | 15  | 30.2 (18.0, 43.7) | 0.0001382 (0.0000825, 0.0001996) | 0.10632 (0.06942, 0.14841) | 14.2 (8.4, 21.2)  | 0.0000668 (0.0000396, 0.0000999) | 0.07804 (0.04659, 0.11439) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 15  | 2.3 (0.7, 5.8)    | 0.0000104 (0.0000031, 0.0000264) | 0.00808 (0.00239, 0.02061) | 0.9 (0.2, 2.2)    | 0.0000041 (0.0000010, 0.0000106) | 0.00475 (0.00119, 0.01250) |
| Kalimantan Barat | Breast cancer                                 | 15  | - (0.0, 0.2)      | 0.0000002 (0.0000000, 0.0000009) | 0.00017 (0.00001, 0.00066) | 0.5 (0.3, 3.0)    | 0.0000058 (0.0000013, 0.0000143) | 0.00679 (0.00158, 0.01644) |
| Kalimantan Barat | Cervical cancer                               | 15  |                   |                                  |                            | 1.2 (0.2, 3.3)    | 0.0000055 (0.0000010, 0.0000158) | 0.00641 (0.00114, 0.01834) |
| Kalimantan Barat | Other malignant neoplasms                     | 15  | 12.8 (7.3, 20.9)  | 0.0000586 (0.0000336, 0.0000957) | 0.04509 (0.02779, 0.06967) | 14.0 (8.5, 21.0)  | 0.0000661 (0.0000401, 0.0000988) | 0.07718 (0.04734, 0.11539) |
| Kalimantan Barat | Cerebrovascular disease                       | 15  | 3.5 (1.8, 6.1)    | 0.0000116 (0.0000083, 0.0000280) | 0.01234 (0.00670, 0.02012) | 3.8 (1.9, 6.2)    | 0.0000177 (0.0000089, 0.0000291) | 0.02062 (0.01079, 0.03281) |
| Kalimantan Barat | Ischemic heart disease                        | 15  | 5.6 (3.1, 9.5)    | 0.0000254 (0.0000141, 0.0000435) | 0.01958 (0.01121, 0.03148) | 5.2 (2.9, 8.4)    | 0.0000244 (0.0000139, 0.0000394) | 0.02845 (0.01644, 0.04609) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males              |                                  |                              | Females           |                                   |                            |
|------------------|-----------------------------------------------|-----|--------------------|----------------------------------|------------------------------|-------------------|-----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)   | CSMR (95% UI)                     | CF (95% UI)                |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 15  | 3.6 (1.6, 6.8)     | 0.0000165 (0.0000074, 0.0000311) | 0.01269 (0.00593, 0.02339)   | 4.2 (1.9, 7.9)    | 0.0000196 (0.0000091, 0.0000372)  | 0.0229 (0.01059, 0.04360)  |
| Kalimantan Barat | Diabetes mellitus                             | 15  | 1.4 (0.7, 2.7)     | 0.0000066 (0.0000031, 0.0000123) | 0.00507 (0.00248, 0.00930)   | 2.0 (0.9, 3.8)    | 0.0000096 (0.0000044, 0.0000177)  | 0.0112 (0.00527, 0.02026)  |
| Kalimantan Barat | Chronic kidney disease                        | 15  | 5.2 (2.9, 8.5)     | 0.0000236 (0.0000132, 0.0000390) | 0.01817 (0.01115, 0.02818)   | 5.1 (3.1, 8.0)    | 0.0000238 (0.0000144, 0.0000376)  | 0.02784 (0.01682, 0.04389) |
| Kalimantan Barat | Cirrhosis                                     | 15  | 7.2 (3.7, 12.0)    | 0.0000328 (0.0000169, 0.0000550) | 0.02522 (0.01407, 0.04133)   | 3.9 (2.0, 6.4)    | 0.0000182 (0.0000093, 0.0000302)  | 0.02131 (0.01124, 0.03536) |
| Kalimantan Barat | Chronic respiratory diseases                  | 15  | 4.6 (2.3, 7.9)     | 0.0000209 (0.0000105, 0.0000362) | 0.01614 (0.00827, 0.02756)   | 2.4 (1.1, 4.4)    | 0.0000113 (0.0000053, 0.0000206)  | 0.0132 (0.00626, 0.02399)  |
| Kalimantan Barat | Other non-communicable diseases               | 15  | 26.9 (18.3, 37.9)  | 0.0001231 (0.0000837, 0.0001731) | 0.09476 (0.06824, 0.12364)   | 26.8 (19.2, 35.3) | 0.0001261 (0.0000906, 0.0001661)  | 0.14726 (0.10698, 0.18982) |
| Kalimantan Barat | Drowning                                      | 15  | 17.5 (8.4, 31.8)   | 0.0000801 (0.0000382, 0.0001454) | 0.06158 (0.03051, 0.10506)   | 5.5 (2.4, 10.7)   | 0.0000258 (0.0000112, 0.0000503)  | 0.03009 (0.01331, 0.05894) |
| Kalimantan Barat | Falls                                         | 15  | 4.2 (2.0, 7.9)     | 0.0000194 (0.0000090, 0.0000360) | 0.01493 (0.00702, 0.02640)   | 1.8 (0.8, 3.5)    | 0.0000085 (0.0000036, 0.0000166)  | 0.00991 (0.00428, 0.01911) |
| Kalimantan Barat | Interpersonal violence                        | 15  | 3.6 (2.0, 6.3)     | 0.0000167 (0.0000090, 0.0000290) | 0.01281 (0.00750, 0.02101)   | 2.9 (1.5, 5.0)    | 0.0000137 (0.0000071, 0.0000235)  | 0.01605 (0.00843, 0.02741) |
| Kalimantan Barat | Self-harm                                     | 15  | 4.3 (2.0, 8.2)     | 0.0000197 (0.0000093, 0.0000376) | 0.01515 (0.00748, 0.02766)   | 3.0 (1.3, 5.7)    | 0.0000141 (0.0000063, 0.0000267)  | 0.0165 (0.00745, 0.03122)  |
| Kalimantan Barat | Transport injuries                            | 15  | 94.9 (68.6, 126.5) | 0.0004339 (0.0003139, 0.0005783) | 0.3338 (0.26578, 0.39357)    | 40.5 (28.3, 53.6) | 0.0001905 (0.0001331, 0.0002524)  | 0.22242 (0.16125, 0.28858) |
| Kalimantan Barat | Other unintentional injuries                  | 15  | 13.2 (8.0, 20.8)   | 0.0000605 (0.0000364, 0.0000952) | 0.04654 (0.03009, 0.06887)   | 5.8 (3.2, 9.6)    | 0.0000275 (0.0000151, 0.0000453)  | 0.03209 (0.01812, 0.05276) |
| Kalimantan Barat | Diarrheal diseases                            | 20  | 5.0 (2.0, 9.6)     | 0.0000236 (0.0000094, 0.0000454) | 0.01427 (0.00608, 0.02609)   | 3.2 (1.3, 6.0)    | 0.0000015 (0.0000062, 0.0000286)  | 0.01367 (0.00581, 0.02555) |
| Kalimantan Barat | HIV/AIDS                                      | 20  | 4.8 (1.0, 14.5)    | 0.0000228 (0.0000049, 0.0000685) | 0.01386 (0.00295, 0.04092)   | 2.1 (0.5, 6.2)    | 0.00000101 (0.0000022, 0.0000296) | 0.0092 (0.00201, 0.02579)  |
| Kalimantan Barat | Lower respiratory infections                  | 20  | 8.7 (4.0, 16.3)    | 0.0000409 (0.0000188, 0.0000770) | 0.02474 (0.01167, 0.04455)   | 3.2 (1.5, 6.1)    | 0.0000153 (0.0000069, 0.0000291)  | 0.01389 (0.00638, 0.02652) |
| Kalimantan Barat | Malaria                                       | 20  | 5.7 (0.9, 15.8)    | 0.0000268 (0.0000041, 0.0000746) | 0.0162 (0.00260, 0.04400)    | 2.6 (0.4, 7.5)    | 0.0000122 (0.0000018, 0.0000356)  | 0.01115 (0.00158, 0.03177) |
| Kalimantan Barat | Tuberculosis                                  | 20  | 52.2 (34.6, 77.7)  | 0.000246 (0.0001630, 0.0003663)  | 0.14893 (0.10516, 0.19631)   | 19.5 (12.3, 27.9) | 0.0000928 (0.0000585, 0.0001324)  | 0.08452 (0.05594, 0.11807) |
| Kalimantan Barat | Maternal disorders                            | 20  |                    |                                  |                              | 32.5 (22.3, 44.6) | 0.0001543 (0.0001061, 0.0002118)  | 0.14059 (0.10134, 0.18486) |
| Kalimantan Barat | Other communicable diseases                   | 20  | 40.3 (24.8, 58.7)  | 0.00019 (0.0001168, 0.0002767)   | 0.11516 (0.07529, 0.15748)   | 17.6 (10.8, 25.8) | 0.0000836 (0.0000513, 0.0001224)  | 0.07619 (0.04884, 0.10858) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 20  | 2.1 (0.6, 5.5)     | 0.0000101 (0.0000027, 0.0000260) | 0.00615 (0.00163, 0.01619)   | 1.6 (0.4, 4.1)    | 0.0000074 (0.0000020, 0.0000195)  | 0.0068 (0.00189, 0.01704)  |
| Kalimantan Barat | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)     | 0.0000004 (0.0000001, 0.0000013) | 0.00023 (0.000004, 0.000075) | 4.2 (1.5, 8.6)    | 0.00002 (0.0000071, 0.0000409)    | 0.01824 (0.00652, 0.03767) |
| Kalimantan Barat | Cervical cancer                               | 20  |                    |                                  |                              | 3.1 (0.8, 7.7)    | 0.0000146 (0.0000037, 0.0000367)  | 0.01334 (0.00334, 0.03204) |
| Kalimantan Barat | Other malignant neoplasms                     | 20  | 13.5 (7.3, 23.1)   | 0.0000637 (0.0000345, 0.0001089) | 0.03858 (0.02259, 0.06084)   | 18.1 (10.3, 27.3) | 0.000086 (0.0000488, 0.0001299)   | 0.0784 (0.04695, 0.11634)  |
| Kalimantan Barat | Cerebrovascular disease                       | 20  | 7.3 (4.3, 11.7)    | 0.0000344 (0.0000201, 0.0000552) | 0.02084 (0.01291, 0.03110)   | 7.0 (4.0, 10.8)   | 0.0000333 (0.0000191, 0.0000512)  | 0.03032 (0.01856, 0.04480) |
| Kalimantan Barat | Ischemic heart disease                        | 20  | 10.8 (6.5, 17.1)   | 0.0000511 (0.0000307, 0.0000806) | 0.03098 (0.01948, 0.04455)   | 7.2 (4.3, 11.2)   | 0.0000341 (0.0000204, 0.0000534)  | 0.03107 (0.01897, 0.04607) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 20  | 6.1 (3.1, 11.0)    | 0.0000287 (0.0000145, 0.0000521) | 0.0174 (0.00918, 0.02925)    | 7.0 (3.6, 12.0)   | 0.0000331 (0.0000173, 0.0000572)  | 0.0302 (0.01609, 0.05078)  |
| Kalimantan Barat | Diabetes mellitus                             | 20  | 1.5 (0.7, 2.6)     | 0.000007 (0.0000035, 0.0000123)  | 0.00427 (0.00229, 0.00700)   | 2.1 (1.1, 3.5)    | 0.0000101 (0.0000051, 0.0000166)  | 0.00919 (0.00491, 0.01500) |
| Kalimantan Barat | Chronic kidney disease                        | 20  | 8.6 (5.2, 13.4)    | 0.0000403 (0.0000245, 0.0000629) | 0.02447 (0.01568, 0.03552)   | 8.3 (5.2, 12.2)   | 0.0000395 (0.0000245, 0.0000578)  | 0.03602 (0.02382, 0.05210) |
| Kalimantan Barat | Cirrhosis                                     | 20  | 12.4 (7.0, 19.9)   | 0.0000585 (0.0000329, 0.0000939) | 0.03543 (0.02104, 0.05336)   | 7.0 (3.8, 10.8)   | 0.000033 (0.0000182, 0.0000512)   | 0.03011 (0.01744, 0.04607) |
| Kalimantan Barat | Chronic respiratory diseases                  | 20  | 10.7 (5.9, 17.3)   | 0.0000504 (0.0000278, 0.0000817) | 0.03059 (0.01716, 0.04775)   | 7.0 (3.8, 11.3)   | 0.0000334 (0.0000180, 0.0000538)  | 0.0304 (0.01668, 0.04739)  |
| Kalimantan Barat | Other non-communicable diseases               | 20  | 28.5 (19.0, 42.7)  | 0.0001343 (0.0000894, 0.0002011) | 0.08138 (0.05894, 0.10775)   | 27.0 (19.0, 36.6) | 0.0001281 (0.0000903, 0.0001741)  | 0.11675 (0.08582, 0.15309) |
| Kalimantan Barat | Drowning                                      | 20  | 14.7 (6.7, 28.8)   | 0.0000693 (0.0000317, 0.0001357) | 0.04193 (0.01918, 0.07936)   | 4.4 (1.8, 9.2)    | 0.00000211 (0.0000087, 0.0000437) | 0.0192 (0.00799, 0.03850)  |
| Kalimantan Barat | Falls                                         | 20  | 4.7 (2.1, 8.7)     | 0.000022 (0.0000099, 0.0000410)  | 0.01336 (0.00605, 0.02396)   | 1.9 (0.8, 3.8)    | 0.000009 (0.0000039, 0.0000181)   | 0.0082 (0.00386, 0.01631)  |
| Kalimantan Barat | Interpersonal violence                        | 20  | 4.6 (2.5, 7.9)     | 0.0000218 (0.0000119, 0.0000373) | 0.01317 (0.00747, 0.02145)   | 3.2 (1.6, 5.6)    | 0.0000153 (0.0000076, 0.0000267)  | 0.01394 (0.00711, 0.02386) |
| Kalimantan Barat | Self-harm                                     | 20  | 4.6 (2.2, 8.8)     | 0.0000218 (0.0000104, 0.0000417) | 0.01321 (0.00672, 0.02415)   | 2.8 (1.2, 5.4)    | 0.0000131 (0.0000056, 0.0000256)  | 0.01199 (0.00512, 0.02304) |
| Kalimantan Barat | Transport injuries                            | 20  | 87.3 (60.3, 125.1) | 0.0004113 (0.0002842, 0.0005895) | 0.24925 (0.18821, 0.30663)   | 32.1 (20.6, 46.4) | 0.0001524 (0.0000980, 0.0002206)  | 0.13894 (0.09383, 0.18983) |
| Kalimantan Barat | Other unintentional injuries                  | 20  | 16.0 (9.6, 26.3)   | 0.0000753 (0.0000450, 0.0001239) | 0.04561 (0.02838, 0.06793)   | 6.4 (3.5, 10.6)   | 0.0000304 (0.0000164, 0.0000502)  | 0.02768 (0.01571, 0.04540) |
| Kalimantan Barat | Diarrheal diseases                            | 25  | 7.7 (3.5, 14.6)    | 0.0000351 (0.0000158, 0.0000663) | 0.01806 (0.00853, 0.03310)   | 5.2 (2.3, 9.5)    | 0.0000239 (0.0000105, 0.0000438)  | 0.01719 (0.00801, 0.03051) |
| Kalimantan Barat | HIV/AIDS                                      | 25  | 9.6 (4.4, 25.9)    | 0.0000436 (0.0000107, 0.0001176) | 0.02246 (0.00561, 0.05966)   | 4.4 (1.0, 12.0)   | 0.0000204 (0.0000049, 0.0000558)  | 0.01471 (0.00384, 0.03958) |
| Kalimantan Barat | Lower respiratory infections                  | 25  | 9.7 (4.5, 18.0)    | 0.0000462 (0.0000206, 0.0000819) | 0.02273 (0.01112, 0.04062)   | 3.8 (1.7, 7.2)    | 0.0000177 (0.0000081, 0.0000334)  | 0.0127 (0.00586, 0.02361)  |
| Kalimantan Barat | Malaria                                       | 25  | 6.7 (1.1, 19.1)    | 0.0000306 (0.0000048, 0.0000869) | 0.01569 (0.00259, 0.04260)   | 3.0 (0.4, 9.3)    | 0.0000139 (0.0000020, 0.0000430)  | 0.01007 (0.00140, 0.02979) |
| Kalimantan Barat | Tuberculosis                                  | 25  | 78.1 (54.4, 110.1) | 0.0003548 (0.0002468, 0.0004997) | 0.18237 (0.13213, 0.23714)   | 28.6 (18.0, 41.8) | 0.0001323 (0.0000835, 0.0001939)  | 0.09523 (0.06442, 0.13144) |
| Kalimantan Barat | Maternal disorders                            | 25  |                    |                                  |                              | 43.6 (29.9, 60.8) | 0.000202 (0.0001386, 0.0002818)   | 0.14533 (0.10703, 0.18612) |
| Kalimantan Barat | Other communicable diseases                   | 25  | 46.7 (29.2, 67.3)  | 0.0002122 (0.0001327, 0.0003058) | 0.10918 (0.07007, 0.15059)   | 21.9 (13.4, 32.8) | 0.0001014 (0.0000621, 0.0001519)  | 0.07307 (0.04678, 0.10462) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 25  | 2.7 (0.7, 7.3)     | 0.0000125 (0.0000033, 0.0000333) | 0.00646 (0.00168, 0.01775)   | 2.4 (0.7, 6.1)    | 0.0000111 (0.0000034, 0.0000283)  | 0.00798 (0.00247, 0.01877) |
| Kalimantan Barat | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)     | 0.0000004 (0.0000001, 0.0000013) | 0.00022 (0.000004, 0.000065) | 9.8 (4.1, 18.7)   | 0.0000452 (0.0000192, 0.0000867)  | 0.03252 (0.01388, 0.05993) |
| Kalimantan Barat | Cervical cancer                               | 25  |                    |                                  |                              | 6.2 (1.7, 14.2)   | 0.0000286 (0.0000078, 0.0000660)  | 0.02067 (0.00568, 0.04591) |
| Kalimantan Barat | Other malignant neoplasms                     | 25  | 19.6 (11.4, 31.2)  | 0.0000891 (0.0000516, 0.0001417) | 0.04585 (0.02808, 0.06908)   | 23.0 (12.3, 35.6) | 0.0001066 (0.0000571, 0.0001651)  | 0.07675 (0.04384, 0.11321) |
| Kalimantan Barat | Cerebrovascular disease                       | 25  | 14.8 (9.3, 22.2)   | 0.0000673 (0.0000424, 0.0001010) | 0.03463 (0.02305, 0.04847)   | 13.7 (8.2, 20.1)  | 0.0000634 (0.0000378, 0.0000932)  | 0.04561 (0.02986, 0.06303) |
| Kalimantan Barat | Ischemic heart disease                        | 25  | 23.8 (16.0, 34.7)  | 0.0001082 (0.0000728, 0.0001574) | 0.05569 (0.03827, 0.07679)   | 13.9 (8.5, 20.9)  | 0.0000645 (0.0000395, 0.0000969)  | 0.04643 (0.03062, 0.06478) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 25  | 9.1 (4.9, 15.3)    | 0.0000414 (0.0000223, 0.0000694) | 0.02131 (0.01161, 0.03522)   | 10.2 (5.4, 17.4)  | 0.0000474 (0.0000249, 0.0000808)  | 0.03415 (0.01856, 0.05581) |
| Kalimantan Barat | Diabetes mellitus                             | 25  | 2.8 (1.6, 4.6)     | 0.0000129 (0.0000072, 0.0000207) | 0.00663 (0.00394, 0.01020)   | 3.8 (2.2, 6.0)    | 0.0000177 (0.0000100, 0.0000278)  | 0.01274 (0.00765, 0.01937) |
| Kalimantan Barat | Chronic kidney disease                        | 25  | 11.0 (7.2, 16.4)   | 0.0000497 (0.0000325, 0.0000745) | 0.02561 (0.01734, 0.03640)   | 10.0 (6.1, 14.4)  | 0.0000462 (0.0000284, 0.0000667)  | 0.03324 (0.02230, 0.04634) |
| Kalimantan Barat | Cirrhosis                                     | 25  | 19.1 (11.3, 29.3)  | 0.0000869 (0.0000513, 0.0001331) | 0.04472 (0.02759, 0.06545)   | 10.6 (6.0, 16.4)  | 0.0000491 (0.0000280, 0.0000761)  | 0.03537 (0.02154, 0.05254) |
| Kalimantan Barat | Chronic respiratory diseases                  | 25  | 14.4 (8.2, 23.1)   | 0.0000655 (0.0000373, 0.0001049) | 0.03376 (0.01960, 0.05128)   | 9.7 (5.3, 15.6)   | 0.0000449 (0.0000247, 0.0000722)  | 0.03232 (0.01858, 0.04850) |
| Kalimantan Barat | Other non-communicable diseases               | 25  | 37.6 (26.2, 54.2)  | 0.0001707 (0.0001191, 0.0002459) | 0.08783 (0.06388, 0.11503)   | 34.6 (23.0, 47.5) | 0.0001603 (0.0001067, 0.0002202)  | 0.11547 (0.08592, 0.14837) |
| Kalimantan Barat | Drowning                                      | 25  | 10.4 (4.0, 20.4)   | 0.0000474 (0.0000182, 0.0000926) | 0.02434 (0.00969, 0.04708)   | 3.3 (1.2, 7.0)    | 0.0000151 (0.0000055, 0.0000325)  | 0.01089 (0.00412, 0.02267) |
| Kalimantan Barat | Falls                                         | 25  | 7.1 (3.1, 13.5)    | 0.0000323 (0.0000139, 0.0000614) | 0.01662 (0.00728, 0.03043)   | 2.9 (1.2, 5.8)    | 0.0000135 (0.0000055, 0.0000268)  | 0.00974 (0.00418, 0.01856) |
| Kalimantan Barat | Interpersonal violence                        | 25  | 5.1 (2.7, 8.5)     | 0.0000231 (0.0000122, 0.0000388) | 0.01191 (0.00656, 0.01932)   | 3.2 (1.5, 5.7)    | 0.0000149 (0.0000069, 0.0000264)  | 0.01073 (0.00535, 0.01888) |
| Kalimantan Barat | Self-harm                                     | 25  | 4.8 (2.2, 9.2)     | 0.0000216 (0.0000101, 0.0000416) | 0.01112 (0.00536, 0.02029)   | 2.5 (1.1, 5.0)    | 0.0000117 (0.0000050, 0.0000230)  | 0.00839 (0.00370, 0.01605) |
| Kalimantan Barat | Transport injuries                            | 25  | 66.2 (43.2, 97.1)  | 0.0003007 (0.0001963, 0.0004409) | 0.15465 (0.10307, 0.20886)   | 21.7 (12.3, 34.9) | 0.0001007 (0.0000571, 0.0001618)  | 0.07255 (0.04391, 0.11024) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Barat | Other unintentional injuries                  | 25  | 20.6 (11.8, 33.2)  | 0.0000937 (0.0000536, 0.0001510) | 0.04816 (0.02876, 0.07312) | 7.8 (4.3, 12.8)   | 0.0000363 (0.0000197, 0.0000591) | 0.02616 (0.01480, 0.04178) |
| Kalimantan Barat | Diarrheal diseases                            | 30  | 8.5 (3.7, 15.5)    | 0.0000413 (0.0000181, 0.0000756) | 0.01925 (0.00856, 0.03450) | 6.1 (2.6, 10.8)   | 0.0000321 (0.0000137, 0.0000565) | 0.01789 (0.00829, 0.03045) |
| Kalimantan Barat | HIV/AIDS                                      | 30  | 9.5 (2.3, 26.9)    | 0.0000462 (0.0000110, 0.0001308) | 0.02153 (0.00520, 0.06033) | 4.8 (1.1, 13.0)   | 0.0000253 (0.0000056, 0.0000681) | 0.0141 (0.00358, 0.03696)  |
| Kalimantan Barat | Lower respiratory infections                  | 30  | 8.7 (4.2, 16.5)    | 0.0000426 (0.0000202, 0.0000803) | 0.01984 (0.00982, 0.03544) | 3.8 (1.8, 7.5)    | 0.0000202 (0.0000093, 0.0000393) | 0.01126 (0.00545, 0.02088) |
| Kalimantan Barat | Malaria                                       | 30  | 5.6 (1.0, 15.7)    | 0.0000274 (0.0000046, 0.0000766) | 0.01273 (0.00228, 0.03588) | 2.6 (0.4, 8.0)    | 0.0000135 (0.0000021, 0.0000420) | 0.00755 (0.00110, 0.02276) |
| Kalimantan Barat | Tuberculosis                                  | 30  | 75.9 (51.7, 104.8) | 0.0003698 (0.0002521, 0.0005108) | 0.17209 (0.12408, 0.22264) | 28.9 (17.7, 42.2) | 0.0001518 (0.0000932, 0.0002215) | 0.08479 (0.05659, 0.11594) |
| Kalimantan Barat | Maternal disorders                            | 30  |                    |                                  |                            | 42.5 (28.0, 59.8) | 0.0002231 (0.0001473, 0.0003141) | 0.12465 (0.09242, 0.16090) |
| Kalimantan Barat | Other communicable diseases                   | 30  | 32.5 (18.9, 48.6)  | 0.0001585 (0.0000919, 0.0002366) | 0.07392 (0.04443, 0.10887) | 16.7 (9.3, 26.9)  | 0.0000879 (0.0000489, 0.0001410) | 0.04915 (0.02882, 0.07502) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 30  | 5.4 (1.8, 13.5)    | 0.0000262 (0.0000088, 0.0000656) | 0.01228 (0.00415, 0.02970) | 2.8 (1.0, 7.0)    | 0.0000149 (0.0000051, 0.0000369) | 0.00835 (0.00293, 0.02014) |
| Kalimantan Barat | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)     | 0.0000006 (0.0000001, 0.0000018) | 0.00027 (0.00005, 0.00083) | 16.6 (7.7, 29.5)  | 0.0000872 (0.0000403, 0.0001551) | 0.0487 (0.02283, 0.08449)  |
| Kalimantan Barat | Cervical cancer                               | 30  |                    |                                  |                            | 10.4 (3.1, 22.2)  | 0.0000548 (0.0000161, 0.0001165) | 0.03069 (0.00950, 0.06362) |
| Kalimantan Barat | Other malignant neoplasms                     | 30  | 24.6 (14.6, 38.8)  | 0.0001198 (0.0000711, 0.0001892) | 0.05579 (0.03535, 0.08293) | 25.7 (13.6, 41.8) | 0.0001348 (0.0000712, 0.0002195) | 0.07528 (0.04183, 0.11374) |
| Kalimantan Barat | Cerebrovascular disease                       | 30  | 24.2 (16.1, 35.3)  | 0.0001177 (0.0000784, 0.0001721) | 0.05484 (0.03855, 0.07356) | 23.4 (14.6, 33.9) | 0.0001228 (0.0000766, 0.0001778) | 0.06855 (0.04781, 0.09078) |
| Kalimantan Barat | Ischemic heart disease                        | 30  | 36.6 (26.0, 51.5)  | 0.0001781 (0.0001266, 0.0002510) | 0.08301 (0.06072, 0.11026) | 21.2 (13.3, 30.8) | 0.0001114 (0.0000699, 0.0001616) | 0.06227 (0.04400, 0.08600) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 30  | 11.3 (6.3, 18.9)   | 0.0000552 (0.0000305, 0.0000922) | 0.02572 (0.01432, 0.04229) | 13.4 (7.2, 22.8)  | 0.0000704 (0.0000380, 0.0001195) | 0.03931 (0.02217, 0.06391) |
| Kalimantan Barat | Diabetes mellitus                             | 30  | 4.7 (2.8, 7.3)     | 0.0000231 (0.0000136, 0.0000354) | 0.01078 (0.00648, 0.01602) | 6.5 (3.7, 9.9)    | 0.0000343 (0.0000192, 0.0000518) | 0.01915 (0.01168, 0.02767) |
| Kalimantan Barat | Chronic kidney disease                        | 30  | 12.1 (7.9, 17.6)   | 0.000059 (0.0000386, 0.0000860)  | 0.02748 (0.01854, 0.03836) | 11.1 (6.7, 16.4)  | 0.0000584 (0.0000353, 0.0000864) | 0.03264 (0.02223, 0.04515) |
| Kalimantan Barat | Cirrhosis                                     | 30  | 25.1 (15.3, 37.5)  | 0.0001223 (0.0000744, 0.0001827) | 0.05697 (0.03503, 0.08188) | 14.8 (8.3, 22.6)  | 0.0000775 (0.0000437, 0.0001187) | 0.04334 (0.02686, 0.06222) |
| Kalimantan Barat | Chronic respiratory diseases                  | 30  | 14.6 (8.4, 23.7)   | 0.000071 (0.0000407, 0.0001152)  | 0.03309 (0.01936, 0.04966) | 10.7 (5.7, 17.2)  | 0.0000566 (0.0000302, 0.0000902) | 0.0313 (0.01768, 0.04740)  |
| Kalimantan Barat | Other non-communicable diseases               | 30  | 40.0 (28.5, 55.7)  | 0.0001948 (0.0001390, 0.0002714) | 0.09078 (0.06772, 0.11943) | 38.8 (26.2, 53.9) | 0.0002039 (0.0001378, 0.0002831) | 0.11395 (0.08715, 0.14656) |
| Kalimantan Barat | Drowning                                      | 30  | 11.1 (4.6, 22.3)   | 0.0000543 (0.0000224, 0.0001088) | 0.0253 (0.01025, 0.04949)  | 4.2 (1.5, 9.0)    | 0.0000219 (0.0000078, 0.0000470) | 0.01218 (0.00479, 0.02546) |
| Kalimantan Barat | Falls                                         | 30  | 8.2 (3.5, 15.1)    | 0.0000399 (0.0000169, 0.0000738) | 0.01858 (0.00810, 0.03281) | 3.9 (1.5, 7.0)    | 0.0000202 (0.0000081, 0.0000369) | 0.01129 (0.00493, 0.02048) |
| Kalimantan Barat | Interpersonal violence                        | 30  | 3.9 (2.1, 7.0)     | 0.0000191 (0.0000102, 0.0000342) | 0.00889 (0.00483, 0.01470) | 2.5 (1.2, 4.7)    | 0.0000134 (0.0000061, 0.0000248) | 0.00746 (0.00367, 0.01331) |
| Kalimantan Barat | Self-harm                                     | 30  | 3.6 (1.6, 7.0)     | 0.0000176 (0.0000079, 0.0000340) | 0.00817 (0.00385, 0.01490) | 1.9 (0.8, 3.8)    | 0.0000101 (0.0000041, 0.0000198) | 0.00563 (0.00236, 0.01092) |
| Kalimantan Barat | Transport injuries                            | 30  | 55.8 (36.0, 82.3)  | 0.0002721 (0.0001753, 0.0004009) | 0.1267 (0.08368, 0.17617)  | 19.9 (10.9, 31.7) | 0.0001044 (0.0000570, 0.0001665) | 0.05835 (0.03430, 0.08845) |
| Kalimantan Barat | Other unintentional injuries                  | 30  | 18.5 (10.5, 29.6)  | 0.0000901 (0.0000511, 0.0001442) | 0.04198 (0.02522, 0.06381) | 7.5 (3.8, 12.4)   | 0.0000396 (0.0000202, 0.0000650) | 0.02215 (0.01232, 0.03511) |
| Kalimantan Barat | Diarrheal diseases                            | 35  | 7.5 (3.3, 13.7)    | 0.0000411 (0.0000182, 0.0000748) | 0.01473 (0.00660, 0.02616) | 8.2 (3.7, 14.7)   | 0.0000488 (0.0000219, 0.0000880) | 0.01825 (0.00867, 0.03147) |
| Kalimantan Barat | HIV/AIDS                                      | 35  | 8.3 (1.8, 24.5)    | 0.0000457 (0.0000101, 0.0001339) | 0.01635 (0.00383, 0.04606) | 6.1 (1.3, 16.7)   | 0.0000363 (0.0000080, 0.0000997) | 0.01354 (0.00315, 0.03738) |
| Kalimantan Barat | Lower respiratory infections                  | 35  | 9.2 (4.5, 16.7)    | 0.0000503 (0.0000246, 0.0000913) | 0.01799 (0.00884, 0.03239) | 6.2 (2.8, 11.8)   | 0.0000373 (0.0000170, 0.0000705) | 0.01393 (0.00666, 0.02554) |
| Kalimantan Barat | Malaria                                       | 35  | 5.0 (0.8, 14.1)    | 0.0000276 (0.0000042, 0.0000771) | 0.00988 (0.00153, 0.02748) | 3.2 (0.4, 9.8)    | 0.0000189 (0.0000027, 0.0000586) | 0.00709 (0.00103, 0.02124) |
| Kalimantan Barat | Tuberculosis                                  | 35  | 80.4 (55.9, 110.0) | 0.0004401 (0.0003064, 0.0006027) | 0.15744 (0.11424, 0.20220) | 42.8 (26.1, 63.5) | 0.0002557 (0.0001561, 0.0003793) | 0.09556 (0.06338, 0.13007) |
| Kalimantan Barat | Maternal disorders                            | 35  |                    |                                  |                            | 28.7 (17.1, 42.8) | 0.0001718 (0.0001024, 0.0002555) | 0.06423 (0.04243, 0.09120) |
| Kalimantan Barat | Other communicable diseases                   | 35  | 29.3 (16.9, 43.8)  | 0.0001605 (0.0000925, 0.0002402) | 0.05748 (0.03474, 0.08434) | 23.4 (13.7, 37.4) | 0.0001399 (0.0000821, 0.0002235) | 0.05236 (0.03215, 0.07723) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 35  | 5.4 (1.8, 12.2)    | 0.0000187 (0.0000097, 0.0000668) | 0.01068 (0.00346, 0.02398) | 4.1 (1.5, 10.0)   | 0.0000246 (0.0000091, 0.0000596) | 0.00924 (0.00344, 0.02124) |
| Kalimantan Barat | Breast cancer                                 | 35  | 0.2 (0.0, 0.7)     | 0.0000013 (0.0000003, 0.0000039) | 0.00046 (0.00009, 0.00137) | 25.7 (11.8, 44.5) | 0.0001535 (0.0000705, 0.0002660) | 0.0574 (0.02719, 0.09393)  |
| Kalimantan Barat | Cervical cancer                               | 35  |                    |                                  |                            | 17.9 (6.2, 35.8)  | 0.0001069 (0.0000370, 0.0002142) | 0.0401 (0.01411, 0.07825)  |
| Kalimantan Barat | Other malignant neoplasms                     | 35  | 37.4 (23.0, 58.1)  | 0.0002051 (0.0001259, 0.0003183) | 0.07339 (0.04734, 0.10704) | 30.0 (15.4, 50.5) | 0.0001795 (0.0000922, 0.0003017) | 0.0671 (0.03573, 0.10518)  |
| Kalimantan Barat | Cerebrovascular disease                       | 35  | 41.3 (28.5, 58.3)  | 0.0002261 (0.0001560, 0.0003193) | 0.0809 (0.05798, 0.10547)  | 43.9 (28.2, 61.7) | 0.0002623 (0.0001687, 0.0003688) | 0.09806 (0.07056, 0.12794) |
| Kalimantan Barat | Ischemic heart disease                        | 35  | 54.7 (39.7, 75.1)  | 0.0002994 (0.0002174, 0.0004114) | 0.10722 (0.07925, 0.13951) | 35.8 (22.9, 52.1) | 0.0002141 (0.0001372, 0.0003115) | 0.0801 (0.05762, 0.10907)  |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 35  | 16.0 (9.0, 26.5)   | 0.0000874 (0.0000493, 0.0001452) | 0.03129 (0.01778, 0.05174) | 19.5 (10.7, 33.0) | 0.0001165 (0.0000641, 0.0001974) | 0.04358 (0.02491, 0.07035) |
| Kalimantan Barat | Diabetes mellitus                             | 35  | 9.5 (5.7, 14.2)    | 0.0000519 (0.0000314, 0.0000780) | 0.01861 (0.01143, 0.02682) | 13.4 (7.5, 19.9)  | 0.0000799 (0.0000451, 0.0001188) | 0.0299 (0.01870, 0.04253)  |
| Kalimantan Barat | Chronic kidney disease                        | 35  | 15.3 (10.1, 22.2)  | 0.0000837 (0.0000556, 0.0001217) | 0.02996 (0.02069, 0.04130) | 14.1 (8.7, 20.9)  | 0.0000846 (0.0000522, 0.0001251) | 0.03162 (0.02199, 0.04347) |
| Kalimantan Barat | Cirrhosis                                     | 35  | 33.3 (20.6, 50.0)  | 0.0001822 (0.0001130, 0.0002737) | 0.06518 (0.04196, 0.09312) | 21.2 (12.4, 33.1) | 0.0001269 (0.0000741, 0.0001980) | 0.0475 (0.03015, 0.06963)  |
| Kalimantan Barat | Chronic respiratory diseases                  | 35  | 19.3 (11.5, 30.6)  | 0.0001059 (0.0000630, 0.0001679) | 0.0379 (0.02265, 0.05580)  | 13.5 (7.6, 21.4)  | 0.0000806 (0.0000456, 0.0001277) | 0.03016 (0.01737, 0.04583) |
| Kalimantan Barat | Other non-communicable diseases               | 35  | 45.1 (32.3, 62.3)  | 0.0002471 (0.0001770, 0.0003413) | 0.08845 (0.06538, 0.11564) | 46.9 (31.7, 65.5) | 0.0002804 (0.0001894, 0.0003917) | 0.10495 (0.08000, 0.13603) |
| Kalimantan Barat | Drowning                                      | 35  | 13.9 (5.8, 26.5)   | 0.000076 (0.0000319, 0.0001453)  | 0.02719 (0.01143, 0.05135) | 6.8 (2.6, 13.6)   | 0.0004004 (0.0000158, 0.0000813) | 0.01511 (0.00626, 0.02956) |
| Kalimantan Barat | Falls                                         | 35  | 8.3 (3.7, 15.1)    | 0.0000455 (0.0000202, 0.0000829) | 0.01629 (0.00738, 0.02859) | 4.8 (2.0, 9.2)    | 0.0000288 (0.0000118, 0.0000553) | 0.01079 (0.00478, 0.02011) |
| Kalimantan Barat | Interpersonal violence                        | 35  | 3.4 (1.9, 6.1)     | 0.0000189 (0.0000101, 0.0000335) | 0.00676 (0.00367, 0.01140) | 2.3 (1.0, 4.5)    | 0.000014 (0.0000062, 0.0000270)  | 0.00522 (0.00248, 0.00970) |
| Kalimantan Barat | Self-harm                                     | 35  | 3.4 (1.5, 6.8)     | 0.0000187 (0.0000081, 0.0000371) | 0.0067 (0.00300, 0.01282)  | 1.8 (0.7, 3.7)    | 0.000011 (0.0000044, 0.0000220)  | 0.00411 (0.00168, 0.00814) |
| Kalimantan Barat | Transport injuries                            | 35  | 46.1 (27.8, 68.3)  | 0.0002525 (0.0001523, 0.0003743) | 0.09042 (0.05610, 0.13163) | 18.8 (10.0, 31.1) | 0.0001123 (0.0000597, 0.0001861) | 0.04204 (0.02433, 0.06644) |
| Kalimantan Barat | Other unintentional injuries                  | 35  | 17.7 (9.9, 28.2)   | 0.000097 (0.0000544, 0.0001546)  | 0.03473 (0.02033, 0.05372) | 8.1 (4.1, 13.6)   | 0.0000482 (0.0000247, 0.0000813) | 0.01806 (0.01010, 0.02930) |
| Kalimantan Barat | Diarrheal diseases                            | 40  | 8.5 (3.8, 15.3)    | 0.0000547 (0.0000245, 0.0000983) | 0.01333 (0.00599, 0.02354) | 11.0 (5.1, 19.7)  | 0.0000763 (0.0000352, 0.0001365) | 0.01989 (0.00976, 0.03428) |
| Kalimantan Barat | HIV/AIDS                                      | 40  | 4.5 (1.0, 13.8)    | 0.0000292 (0.0000062, 0.0000884) | 0.00713 (0.00160, 0.02193) | 3.9 (0.8, 11.3)   | 0.0000269 (0.0000055, 0.0000786) | 0.00701 (0.00155, 0.02011) |
| Kalimantan Barat | Lower respiratory infections                  | 40  | 9.4 (4.4, 17.4)    | 0.0000606 (0.0000281, 0.0001120) | 0.01477 (0.00705, 0.02582) | 8.0 (3.7, 14.8)   | 0.0000558 (0.0000258, 0.0001030) | 0.01456 (0.00705, 0.02556) |
| Kalimantan Barat | Malaria                                       | 40  | 5.4 (0.9, 14.4)    | 0.0000345 (0.0000055, 0.0000922) | 0.00839 (0.00144, 0.02241) | 3.6 (0.5, 11.0)   | 0.0000248 (0.0000035, 0.0000765) | 0.00647 (0.00091, 0.01898) |
| Kalimantan Barat | Tuberculosis                                  | 40  | 79.5 (56.1, 108.3) | 0.0005109 (0.0003606, 0.0006958) | 0.12451 (0.09315, 0.15861) | 46.6 (30.4, 67.3) | 0.0003233 (0.0002112, 0.0004669) | 0.08433 (0.05901, 0.11410) |
| Kalimantan Barat | Maternal disorders                            | 40  |                    |                                  |                            | 11.6 (6.0, 20.0)  | 0.0000806 (0.0000417, 0.0001388) | 0.02103 (0.01178, 0.03416) |
| Kalimantan Barat | Other communicable diseases                   | 40  | 29.8 (16.9, 44.5)  | 0.0001912 (0.0001085, 0.0002858) | 0.04667 (0.02781, 0.06956) | 29.2 (16.9, 44.5) | 0.0002028 (0.0001175, 0.0003092) | 0.05296 (0.03301, 0.07734) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 40  | 10.2 (4.1, 21.4)   | 0.0000658 (0.0000262, 0.0001372) | 0.01613 (0.00624, 0.03324) | 5.4 (2.0, 12.3)   | 0.0000374 (0.0000141, 0.0000852) | 0.00978 (0.00355, 0.02209) |
| Kalimantan Barat | Breast cancer                                 | 40  | 0.5 (0.1, 1.2)     | 0.0000031 (0.0000008, 0.0000078) | 0.00075 (0.00019, 0.00189) | 33.1 (16.3, 57.1) | 0.00023 (0.0001131, 0.0003963)   | 0.06001 (0.03003, 0.09960) |
| Kalimantan Barat | Cervical cancer                               | 40  |                    |                                  |                            | 24.6 (8.9, 48.7)  | 0.0001711 (0.0000617, 0.0003382) | 0.04478 (0.01569, 0.08602) |
| Kalimantan Barat | Other malignant neoplasms                     | 40  | 51.4 (31.9, 78.1)  | 0.0003303 (0.0002050, 0.0005019) | 0.08053 (0.05145, 0.11610) | 32.6 (16.3, 55.0) | 0.0002263 (0.0001129, 0.0003821) | 0.05903 (0.03147, 0.09566) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Barat | Cerebrovascular disease                       | 40  | 73.5 (51.0, 100.6)   | 0.0004725 (0.0003275, 0.0006465) | 0.11522 (0.08585, 0.14606)  | 75.4 (50.0, 102.9)   | 0.0005236 (0.0003470, 0.0007141) | 0.13656 (0.10332, 0.17322) |
| Kalimantan Barat | Ischemic heart disease                        | 40  | 94.8 (70.9, 126.5)   | 0.0006087 (0.0004553, 0.0008127) | 0.14853 (0.11433, 0.18826)  | 58.7 (39.4, 83.5)    | 0.0004075 (0.0002732, 0.0005795) | 0.10638 (0.07854, 0.14148) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 40  | 24.9 (14.5, 41.3)    | 0.0001603 (0.0000933, 0.0002655) | 0.03907 (0.02322, 0.06202)  | 28.2 (15.9, 47.2)    | 0.0001957 (0.0001103, 0.0003274) | 0.05105 (0.03071, 0.08052) |
| Kalimantan Barat | Diabetes mellitus                             | 40  | 22.0 (13.8, 31.9)    | 0.0001416 (0.0000887, 0.0002052) | 0.03456 (0.02264, 0.04780)  | 28.2 (16.6, 40.7)    | 0.0001956 (0.0001155, 0.0002825) | 0.05103 (0.03319, 0.07072) |
| Kalimantan Barat | Chronic kidney disease                        | 40  | 21.6 (14.8, 31.0)    | 0.000139 (0.0000953, 0.0001992)  | 0.0339 (0.02344, 0.04648)   | 17.8 (11.2, 26.4)    | 0.0001234 (0.0000780, 0.0001832) | 0.0322 (0.02236, 0.04474)  |
| Kalimantan Barat | Cirrhosis                                     | 40  | 45.0 (28.2, 67.2)    | 0.0002888 (0.0001813, 0.0004315) | 0.07039 (0.04610, 0.09952)  | 27.9 (16.8, 42.4)    | 0.0001934 (0.0001164, 0.0002943) | 0.05049 (0.03233, 0.07333) |
| Kalimantan Barat | Chronic respiratory diseases                  | 40  | 25.0 (15.1, 38.7)    | 0.0001609 (0.0000972, 0.0002487) | 0.03925 (0.02410, 0.05766)  | 16.1 (9.2, 25.8)     | 0.000112 (0.0000641, 0.0001788)  | 0.02922 (0.01763, 0.04456) |
| Kalimantan Barat | Other non-communicable diseases               | 40  | 54.8 (38.7, 76.9)    | 0.0003519 (0.0002489, 0.0004938) | 0.08581 (0.06282, 0.11289)  | 54.2 (37.2, 75.7)    | 0.000376 (0.0002585, 0.0005257)  | 0.09817 (0.07411, 0.12852) |
| Kalimantan Barat | Drowning                                      | 40  | 7.8 (3.2, 16.1)      | 0.0000503 (0.0000206, 0.0001037) | 0.01225 (0.00515, 0.02473)  | 4.4 (1.7, 9.1)       | 0.0000307 (0.0000117, 0.0000629) | 0.00802 (0.00310, 0.01613) |
| Kalimantan Barat | Falls                                         | 40  | 7.7 (3.3, 14.4)      | 0.0000498 (0.0000210, 0.0000922) | 0.01213 (0.00534, 0.02219)  | 4.9 (1.9, 9.5)       | 0.000034 (0.0000133, 0.0000657)  | 0.00886 (0.00379, 0.01633) |
| Kalimantan Barat | Interpersonal violence                        | 40  | 2.9 (1.5, 5.2)       | 0.0000189 (0.0000098, 0.0000334) | 0.0046 (0.00242, 0.00797)   | 1.8 (0.8, 3.4)       | 0.0000122 (0.0000055, 0.0000235) | 0.0032 (0.00148, 0.00600)  |
| Kalimantan Barat | Self-harm                                     | 40  | 3.3 (1.4, 6.4)       | 0.0000214 (0.0000089, 0.0000414) | 0.00522 (0.00225, 0.00976)  | 1.5 (0.6, 3.1)       | 0.0000106 (0.0000042, 0.0000212) | 0.00277 (0.00110, 0.00559) |
| Kalimantan Barat | Transport injuries                            | 40  | 40.0 (24.2, 61.0)    | 0.0002571 (0.0001552, 0.0003922) | 0.06273 (0.03890, 0.09303)  | 16.5 (8.8, 27.0)     | 0.0001145 (0.0000613, 0.0001875) | 0.0299 (0.01705, 0.04751)  |
| Kalimantan Barat | Other unintentional injuries                  | 40  | 15.4 (8.3, 25.5)     | 0.000099 (0.0000533, 0.0001636)  | 0.02413 (0.01346, 0.03851)  | 6.8 (3.5, 11.7)      | 0.0000471 (0.0000240, 0.0000813) | 0.0123 (0.00628, 0.02072)  |
| Kalimantan Barat | Diarrheal diseases                            | 45  | 8.8 (4.0, 15.9)      | 0.0000682 (0.0000308, 0.0001234) | 0.01195 (0.00534, 0.02147)  | 14.3 (6.6, 24.8)     | 0.0001188 (0.0000547, 0.0002057) | 0.02004 (0.00935, 0.03379) |
| Kalimantan Barat | HIV/AIDS                                      | 45  | 2.4 (0.5, 7.3)       | 0.0000186 (0.0000040, 0.0000567) | 0.00326 (0.000072, 0.01009) | 2.6 (0.6, 7.9)       | 0.0000214 (0.0000046, 0.0000657) | 0.00361 (0.00081, 0.01080) |
| Kalimantan Barat | Lower respiratory infections                  | 45  | 11.5 (5.4, 20.7)     | 0.0000894 (0.0000423, 0.0001607) | 0.01564 (0.00762, 0.02752)  | 12.8 (6.2, 23.6)     | 0.0001065 (0.0000512, 0.0001960) | 0.01795 (0.00872, 0.03099) |
| Kalimantan Barat | Malaria                                       | 45  | 4.7 (0.7, 13.0)      | 0.0000362 (0.0000054, 0.0001010) | 0.00632 (0.00097, 0.01819)  | 3.7 (0.5, 11.1)      | 0.0000304 (0.0000042, 0.0000920) | 0.00513 (0.00067, 0.01549) |
| Kalimantan Barat | Tuberculosis                                  | 45  | 82.8 (57.4, 116.0)   | 0.0006436 (0.0004460, 0.0009009) | 0.1126 (0.08325, 0.14464)   | 58.5 (37.8, 83.8)    | 0.0004856 (0.0003138, 0.0006958) | 0.08189 (0.05281, 0.11060) |
| Kalimantan Barat | Maternal disorders                            | 45  |                      |                                  |                             | 2.9 (1.2, 5.6)       | 0.0000238 (0.0000102, 0.0000463) | 0.00401 (0.00174, 0.00755) |
| Kalimantan Barat | Other communicable diseases                   | 45  | 26.7 (14.9, 41.5)    | 0.0002075 (0.0001157, 0.0003225) | 0.03639 (0.02100, 0.05548)  | 33.8 (19.7, 51.3)    | 0.0002809 (0.0001632, 0.0004263) | 0.04744 (0.02912, 0.07028) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 45  | 13.3 (5.4, 27.9)     | 0.000103 (0.0000416, 0.0002164)  | 0.01812 (0.00724, 0.03774)  | 7.2 (2.8, 15.6)      | 0.0000596 (0.0000231, 0.0001298) | 0.01008 (0.00381, 0.02274) |
| Kalimantan Barat | Breast cancer                                 | 45  | 0.6 (0.2, 1.4)       | 0.0000049 (0.0000014, 0.0000111) | 0.00085 (0.00025, 0.00196)  | 38.9 (19.2, 67.2)    | 0.0003235 (0.0001597, 0.0005578) | 0.05459 (0.02741, 0.09003) |
| Kalimantan Barat | Cervical cancer                               | 45  |                      |                                  |                             | 27.6 (10.5, 54.9)    | 0.0002293 (0.0000870, 0.0004560) | 0.03878 (0.01479, 0.07557) |
| Kalimantan Barat | Other malignant neoplasms                     | 45  | 53.5 (32.2, 81.6)    | 0.0004156 (0.0002501, 0.0006340) | 0.07274 (0.04654, 0.10656)  | 36.8 (18.8, 62.8)    | 0.0003053 (0.0001558, 0.0005212) | 0.05153 (0.02721, 0.08427) |
| Kalimantan Barat | Cerebrovascular disease                       | 45  | 105.8 (75.7, 142.6)  | 0.0008221 (0.0005879, 0.0011078) | 0.14397 (0.11087, 0.17928)  | 121.0 (84.4, 159.0)  | 0.0010049 (0.0007009, 0.0013204) | 0.16955 (0.13130, 0.21128) |
| Kalimantan Barat | Ischemic heart disease                        | 45  | 116.4 (87.0, 155.2)  | 0.0009043 (0.0006756, 0.0012059) | 0.15846 (0.12476, 0.19897)  | 79.3 (54.7, 109.4)   | 0.0006583 (0.0004546, 0.0009082) | 0.11112 (0.08305, 0.14732) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 45  | 33.0 (19.2, 54.0)    | 0.0002565 (0.0001494, 0.0004197) | 0.04489 (0.02669, 0.07068)  | 40.7 (23.3, 66.7)    | 0.0003383 (0.0001936, 0.0005543) | 0.05706 (0.03368, 0.08935) |
| Kalimantan Barat | Diabetes mellitus                             | 45  | 36.2 (23.3, 52.2)    | 0.000281 (0.0001809, 0.0004052)  | 0.04925 (0.03296, 0.06667)  | 50.4 (31.8, 72.0)    | 0.0004184 (0.0002644, 0.0005981) | 0.07059 (0.04731, 0.09520) |
| Kalimantan Barat | Chronic kidney disease                        | 45  | 23.4 (16.1, 33.6)    | 0.0001822 (0.0001252, 0.0002607) | 0.03191 (0.02240, 0.04341)  | 20.8 (13.8, 30.2)    | 0.0001728 (0.0001148, 0.0002506) | 0.02916 (0.02040, 0.03967) |
| Kalimantan Barat | Cirrhosis                                     | 45  | 48.0 (29.8, 71.1)    | 0.0003732 (0.0002315, 0.0005524) | 0.06531 (0.04290, 0.09383)  | 33.8 (20.7, 51.5)    | 0.0002811 (0.0001722, 0.0004276) | 0.04746 (0.03136, 0.07033) |
| Kalimantan Barat | Chronic respiratory diseases                  | 45  | 34.4 (20.9, 52.2)    | 0.0002671 (0.0001622, 0.0004052) | 0.04677 (0.02947, 0.06553)  | 24.5 (14.4, 37.0)    | 0.0002036 (0.0001193, 0.0003071) | 0.03435 (0.02131, 0.04999) |
| Kalimantan Barat | Other non-communicable diseases               | 45  | 56.5 (39.3, 79.3)    | 0.0004387 (0.0003057, 0.0006162) | 0.07681 (0.05726, 0.10291)  | 62.0 (43.6, 85.0)    | 0.0005147 (0.0003620, 0.0007061) | 0.08692 (0.06549, 0.11575) |
| Kalimantan Barat | Drowning                                      | 45  | 5.8 (2.0, 12.5)      | 0.0000448 (0.0000159, 0.0000969) | 0.00783 (0.00301, 0.01682)  | 4.2 (1.3, 9.2)       | 0.0000346 (0.0000111, 0.0000760) | 0.00583 (0.00192, 0.01299) |
| Kalimantan Barat | Falls                                         | 45  | 9.1 (3.6, 17.3)      | 0.0000707 (0.0000279, 0.0001341) | 0.01237 (0.00501, 0.02339)  | 7.0 (2.8, 13.5)      | 0.0000584 (0.0000233, 0.0001124) | 0.00984 (0.00405, 0.01873) |
| Kalimantan Barat | Interpersonal violence                        | 45  | 2.5 (1.3, 4.3)       | 0.0000193 (0.0000100, 0.0000336) | 0.00339 (0.00174, 0.00575)  | 1.6 (0.7, 3.2)       | 0.0000135 (0.0000058, 0.0000270) | 0.00227 (0.00101, 0.00449) |
| Kalimantan Barat | Self-harm                                     | 45  | 3.2 (1.3, 6.4)       | 0.0000247 (0.0000102, 0.0000494) | 0.00433 (0.00178, 0.00828)  | 1.5 (0.6, 3.2)       | 0.0000128 (0.0000049, 0.0000265) | 0.00217 (0.00083, 0.00463) |
| Kalimantan Barat | Transport injuries                            | 45  | 41.8 (24.5, 65.3)    | 0.0003245 (0.0001907, 0.0005076) | 0.05683 (0.03477, 0.08651)  | 20.2 (10.6, 33.2)    | 0.0001675 (0.0000880, 0.0002758) | 0.02829 (0.01578, 0.04632) |
| Kalimantan Barat | Other unintentional injuries                  | 45  | 14.7 (7.7, 25.0)     | 0.0001144 (0.0000601, 0.0001946) | 0.02002 (0.01084, 0.03237)  | 7.4 (3.7, 12.8)      | 0.0000612 (0.0000304, 0.0001065) | 0.01034 (0.00539, 0.01805) |
| Kalimantan Barat | Diarrheal diseases                            | 50  | 13.2 (5.8, 24.4)     | 0.0001245 (0.0000547, 0.0002306) | 0.01407 (0.00656, 0.02440)  | 20.7 (9.8, 34.7)     | 0.0002103 (0.0000999, 0.0003524) | 0.02377 (0.01179, 0.03980) |
| Kalimantan Barat | HIV/AIDS                                      | 50  | 1.1 (0.2, 3.5)       | 0.0000105 (0.0000021, 0.0000335) | 0.00119 (0.00024, 0.00400)  | 1.2 (0.2, 3.8)       | 0.000012 (0.0000024, 0.0000391)  | 0.00136 (0.00028, 0.00444) |
| Kalimantan Barat | Lower respiratory infections                  | 50  | 16.8 (7.8, 30.5)     | 0.0001586 (0.0000739, 0.0002885) | 0.01792 (0.00881, 0.03056)  | 18.8 (9.1, 32.8)     | 0.0001905 (0.0000924, 0.0003328) | 0.02152 (0.01075, 0.03657) |
| Kalimantan Barat | Malaria                                       | 50  | 5.2 (0.8, 14.9)      | 0.000049 (0.0000078, 0.0001411)  | 0.00552 (0.00093, 0.01574)  | 3.7 (0.5, 12.6)      | 0.0000376 (0.0000052, 0.0001277) | 0.00425 (0.00058, 0.01327) |
| Kalimantan Barat | Tuberculosis                                  | 50  | 99.8 (67.5, 139.3)   | 0.0009442 (0.0006386, 0.0013182) | 0.10671 (0.07963, 0.13799)  | 65.3 (42.8, 94.3)    | 0.0006635 (0.0004351, 0.0009577) | 0.075 (0.05189, 0.10280)   |
| Kalimantan Barat | Maternal disorders                            | 50  |                      |                                  |                             | 1.5 (0.4, 3.7)       | 0.0000149 (0.0000046, 0.0000372) | 0.00169 (0.00051, 0.00421) |
| Kalimantan Barat | Other communicable diseases                   | 50  | 30.9 (16.7, 49.7)    | 0.0002922 (0.0001581, 0.0004706) | 0.03307 (0.01907, 0.05123)  | 38.6 (22.4, 60.3)    | 0.0003923 (0.0002275, 0.0006124) | 0.04439 (0.02715, 0.06775) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 50  | 21.1 (8.7, 41.8)     | 0.0001992 (0.0000819, 0.0003955) | 0.02263 (0.00938, 0.04532)  | 8.5 (3.2, 18.5)      | 0.0000858 (0.0000329, 0.0001876) | 0.00973 (0.00369, 0.02175) |
| Kalimantan Barat | Breast cancer                                 | 50  | 0.6 (0.2, 1.3)       | 0.0000054 (0.0000016, 0.0000124) | 0.00061 (0.00019, 0.00136)  | 32.2 (14.5, 57.7)    | 0.0003273 (0.0001472, 0.0005864) | 0.037 (0.01694, 0.06363)   |
| Kalimantan Barat | Cervical cancer                               | 50  |                      |                                  |                             | 28.5 (10.5, 57.6)    | 0.0002895 (0.0001064, 0.0005850) | 0.0328 (0.01222, 0.06525)  |
| Kalimantan Barat | Other malignant neoplasms                     | 50  | 48.4 (28.1, 76.1)    | 0.0004577 (0.0002660, 0.0007201) | 0.05173 (0.03255, 0.07616)  | 36.5 (17.9, 63.7)    | 0.0003705 (0.0001820, 0.0006465) | 0.04187 (0.01998, 0.07102) |
| Kalimantan Barat | Cerebrovascular disease                       | 50  | 161.6 (114.9, 220.4) | 0.0015292 (0.0010874, 0.0020852) | 0.17297 (0.13578, 0.21297)  | 178.2 (128.8, 231.2) | 0.0018094 (0.0013074, 0.0023473) | 0.20454 (0.16275, 0.24912) |
| Kalimantan Barat | Ischemic heart disease                        | 50  | 163.2 (110.7, 218.9) | 0.0015441 (0.0011324, 0.0020712) | 0.17475 (0.13760, 0.21651)  | 102.1 (70.3, 138.3)  | 0.0010367 (0.0007143, 0.0014041) | 0.11728 (0.08777, 0.15349) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 50  | 47.6 (27.5, 78.8)    | 0.0004501 (0.0002602, 0.0007458) | 0.05088 (0.03036, 0.07985)  | 56.8 (32.8, 93.3)    | 0.0005763 (0.0003334, 0.0009469) | 0.06515 (0.04059, 0.10202) |
| Kalimantan Barat | Diabetes mellitus                             | 50  | 53.8 (34.3, 77.0)    | 0.0005089 (0.0003248, 0.0007287) | 0.0576 (0.03925, 0.07739)   | 71.4 (45.2, 100.7)   | 0.0007254 (0.0004588, 0.0010220) | 0.082 (0.05540, 0.10869)   |
| Kalimantan Barat | Chronic kidney disease                        | 50  | 27.2 (18.6, 39.3)    | 0.0002576 (0.0001757, 0.0003723) | 0.02914 (0.02041, 0.03902)  | 22.8 (15.1, 33.0)    | 0.0002313 (0.0001536, 0.0003347) | 0.02615 (0.01808, 0.03552) |
| Kalimantan Barat | Cirrhosis                                     | 50  | 57.0 (34.7, 85.7)    | 0.0005391 (0.0003288, 0.0008109) | 0.06093 (0.03953, 0.08657)  | 39.7 (24.1, 60.8)    | 0.0004034 (0.0002450, 0.0006174) | 0.04564 (0.02889, 0.06741) |
| Kalimantan Barat | Chronic respiratory diseases                  | 50  | 48.0 (28.2, 73.0)    | 0.0004537 (0.0002668, 0.0006907) | 0.05134 (0.03245, 0.07293)  | 34.7 (20.8, 51.5)    | 0.0003528 (0.0002108, 0.0005227) | 0.03989 (0.02514, 0.05689) |
| Kalimantan Barat | Other non-communicable diseases               | 50  | 66.6 (45.5, 95.1)    | 0.0006306 (0.0004300, 0.0008997) | 0.07129 (0.05244, 0.09555)  | 70.9 (49.4, 98.0)    | 0.0007203 (0.0005011, 0.0009952) | 0.0815 (0.06061, 0.11075)  |
| Kalimantan Barat | Drowning                                      | 50  | 4.9 (1.8, 10.8)      | 0.0000464 (0.0000174, 0.0001024) | 0.00524 (0.00197, 0.01142)  | 3.7 (1.2, 8.5)       | 0.0000374 (0.0000121, 0.0000864) | 0.00423 (0.00142, 0.00975) |
| Kalimantan Barat | Falls                                         | 50  | 11.8 (4.9, 21.6)     | 0.0001116 (0.0000466, 0.0002043) | 0.01263 (0.00553, 0.02222)  | 9.1 (3.7, 16.6)      | 0.000092 (0.0000380, 0.0001688)  | 0.0104 (0.00453, 0.01891)  |
| Kalimantan Barat | Interpersonal violence                        | 50  | 2.1 (1.1, 3.7)       | 0.0000201 (0.0000101, 0.0000352) | 0.00228 (0.00117, 0.00394)  | 1.2 (0.5, 2.7)       | 0.0000126 (0.0000050, 0.0000272) | 0.00143 (0.00059, 0.00304) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Barat | Self-harm                                     | 50  | 3.0 (1.2, 6.2)       | 0.0000284 (0.0000116, 0.0000589) | 0.00321 (0.00134, 0.00631) | 1.3 (0.5, 2.8)       | 0.0000129 (0.0000050, 0.0000284) | 0.00146 (0.00055, 0.00323) |
| Kalimantan Barat | Transport injuries                            | 50  | 37.3 (21.2, 60.1)    | 0.0003528 (0.0002009, 0.0005689) | 0.03992 (0.02380, 0.06150) | 17.2 (8.6, 29.0)     | 0.0001746 (0.0000870, 0.0002941) | 0.01976 (0.01034, 0.03268) |
| Kalimantan Barat | Other unintentional injuries                  | 50  | 13.5 (6.9, 23.1)     | 0.0001273 (0.0000651, 0.0002184) | 0.01438 (0.00756, 0.02363) | 6.3 (3.1, 10.7)      | 0.0000636 (0.0000314, 0.0001086) | 0.0072 (0.00363, 0.01240)  |
| Kalimantan Barat | Diarrheal diseases                            | 55  | 14.9 (6.6, 27.5)     | 0.0001963 (0.0000872, 0.0003618) | 0.01505 (0.00704, 0.02589) | 21.5 (10.5, 36.5)    | 0.0003292 (0.0001604, 0.0005571) | 0.02497 (0.01272, 0.04088) |
| Kalimantan Barat | HIV/AIDS                                      | 55  | 0.5 (0.1, 1.6)       | 0.0000063 (0.0000011, 0.0000206) | 0.00049 (0.00009, 0.00164) | 0.5 (0.1, 1.6)       | 0.0000072 (0.0000013, 0.0000238) | 0.00054 (0.00010, 0.00176) |
| Kalimantan Barat | Lower respiratory infections                  | 55  | 18.4 (8.7, 33.1)     | 0.0002419 (0.0001141, 0.0004356) | 0.01856 (0.00897, 0.03091) | 18.9 (9.2, 32.2)     | 0.0002893 (0.0001408, 0.0004914) | 0.02193 (0.01089, 0.03637) |
| Kalimantan Barat | Malaria                                       | 55  | 5.2 (0.8, 15.9)      | 0.0000684 (0.0000104, 0.0002100) | 0.00522 (0.00083, 0.01515) | 3.4 (0.5, 11.3)      | 0.0000517 (0.0000071, 0.0001728) | 0.00393 (0.00051, 0.01313) |
| Kalimantan Barat | Tuberculosis                                  | 55  | 90.3 (57.9, 125.4)   | 0.0011895 (0.0007625, 0.0016519) | 0.09128 (0.06573, 0.12038) | 54.2 (34.7, 79.2)    | 0.0008273 (0.0005294, 0.0012105) | 0.06275 (0.04153, 0.08915) |
| Kalimantan Barat | Other communicable diseases                   | 55  | 31.0 (17.0, 49.8)    | 0.0004082 (0.0002234, 0.0006564) | 0.03137 (0.01811, 0.04830) | 35.7 (20.5, 56.5)    | 0.0005456 (0.0003133, 0.0008634) | 0.04143 (0.02478, 0.06289) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 55  | 20.1 (8.3, 40.2)     | 0.0002652 (0.0001099, 0.0005293) | 0.02046 (0.00853, 0.04062) | 6.7 (2.5, 15.0)      | 0.0001028 (0.0000388, 0.0002289) | 0.00782 (0.00299, 0.01709) |
| Kalimantan Barat | Breast cancer                                 | 55  | 0.5 (0.2, 1.2)       | 0.0000067 (0.0000020, 0.0000158) | 0.00051 (0.00016, 0.00116) | 23.1 (9.9, 42.3)     | 0.0003531 (0.0001513, 0.0006464) | 0.0268 (0.01134, 0.04837)  |
| Kalimantan Barat | Cervical cancer                               | 55  |                      |                                  |                            | 20.6 (7.3, 42.0)     | 0.0003152 (0.0001122, 0.0006414) | 0.02397 (0.00883, 0.04843) |
| Kalimantan Barat | Other malignant neoplasms                     | 55  | 39.3 (22.3, 62.6)    | 0.0005181 (0.0002942, 0.0008241) | 0.03974 (0.02464, 0.06027) | 30.5 (15.2, 52.2)    | 0.0004656 (0.0002323, 0.0007973) | 0.03534 (0.01774, 0.06013) |
| Kalimantan Barat | Cerebrovascular disease                       | 55  | 197.7 (140.0, 264.6) | 0.0026038 (0.0018439, 0.0034854) | 0.19995 (0.15866, 0.24406) | 204.1 (150.1, 262.3) | 0.0031182 (0.0022923, 0.0040063) | 0.23665 (0.19054, 0.28304) |
| Kalimantan Barat | Ischemic heart disease                        | 55  | 187.9 (135.1, 249.8) | 0.0024748 (0.0017795, 0.0032898) | 0.19015 (0.14742, 0.23301) | 111.9 (78.1, 151.7)  | 0.00171 (0.0011931, 0.0023178)   | 0.12983 (0.09738, 0.16631) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 55  | 56.0 (32.4, 93.0)    | 0.0007374 (0.0004267, 0.0012255) | 0.05658 (0.03431, 0.08805) | 62.3 (37.0, 101.3)   | 0.000952 (0.0005645, 0.0015471)  | 0.07224 (0.04448, 0.11100) |
| Kalimantan Barat | Diabetes mellitus                             | 55  | 59.3 (37.8, 85.7)    | 0.0007808 (0.0004985, 0.0011289) | 0.05998 (0.04160, 0.08001) | 73.9 (47.9, 103.6)   | 0.0011288 (0.0007311, 0.0015830) | 0.08565 (0.05973, 0.11330) |
| Kalimantan Barat | Chronic kidney disease                        | 55  | 27.1 (18.1, 39.1)    | 0.0003567 (0.0002383, 0.0005150) | 0.02739 (0.01912, 0.03747) | 21.2 (14.0, 30.6)    | 0.0003244 (0.0002139, 0.0004670) | 0.02462 (0.01706, 0.03418) |
| Kalimantan Barat | Cirrhosis                                     | 55  | 54.3 (31.9, 82.8)    | 0.0007154 (0.0004195, 0.0010903) | 0.05488 (0.03562, 0.07756) | 35.6 (21.5, 53.6)    | 0.0005438 (0.0003289, 0.0008185) | 0.0413 (0.02646, 0.06072)  |
| Kalimantan Barat | Chronic respiratory diseases                  | 55  | 55.3 (33.4, 83.8)    | 0.0007284 (0.0004405, 0.0011044) | 0.05596 (0.03661, 0.07829) | 37.0 (22.9, 55.1)    | 0.0005646 (0.0003496, 0.0008409) | 0.04285 (0.02825, 0.06107) |
| Kalimantan Barat | Other non-communicable diseases               | 55  | 72.1 (48.7, 101.4)   | 0.0009503 (0.0006415, 0.0013356) | 0.07293 (0.05433, 0.09602) | 72.0 (51.0, 99.0)    | 0.0011004 (0.0007792, 0.0015129) | 0.08358 (0.06256, 0.11225) |
| Kalimantan Barat | Drowning                                      | 55  | 3.9 (1.4, 9.3)       | 0.0000513 (0.0000180, 0.0001227) | 0.00393 (0.00141, 0.00917) | 2.6 (0.8, 6.5)       | 0.0000403 (0.0000120, 0.0000997) | 0.00306 (0.00094, 0.00750) |
| Kalimantan Barat | Falls                                         | 55  | 13.4 (5.6, 25.0)     | 0.0001767 (0.0000742, 0.0003292) | 0.01357 (0.00605, 0.02366) | 9.3 (4.2, 16.8)      | 0.0001415 (0.0000636, 0.0002571) | 0.01074 (0.00501, 0.01932) |
| Kalimantan Barat | Interpersonal violence                        | 55  | 1.6 (0.8, 3.0)       | 0.0000217 (0.0000103, 0.0000396) | 0.00166 (0.00082, 0.00293) | 0.9 (0.3, 1.8)       | 0.0000131 (0.0000050, 0.0000282) | 0.00099 (0.00040, 0.00211) |
| Kalimantan Barat | Self-harm                                     | 55  | 2.6 (1.1, 5.5)       | 0.0000344 (0.0000143, 0.0000724) | 0.00264 (0.00113, 0.00518) | 1.0 (0.4, 2.1)       | 0.000015 (0.0000056, 0.0000316)  | 0.00114 (0.00044, 0.00247) |
| Kalimantan Barat | Transport injuries                            | 55  | 26.1 (13.6, 45.1)    | 0.0003434 (0.0001792, 0.0005935) | 0.02637 (0.01475, 0.04352) | 10.7 (5.3, 19.4)     | 0.0001639 (0.0000811, 0.0002962) | 0.01245 (0.00648, 0.02241) |
| Kalimantan Barat | Other unintentional injuries                  | 55  | 11.2 (5.5, 19.5)     | 0.0001474 (0.0000725, 0.0002563) | 0.0113 (0.00598, 0.01892)  | 4.7 (2.3, 8.2)       | 0.0000712 (0.0000355, 0.0001247) | 0.00541 (0.00275, 0.00959) |
| Kalimantan Barat | Diarrheal diseases                            | 60  | 20.0 (9.2, 36.7)     | 0.0003699 (0.0001705, 0.0006784) | 0.01716 (0.00842, 0.02964) | 29.2 (14.5, 48.1)    | 0.0005489 (0.0002722, 0.0009034) | 0.02757 (0.01444, 0.04519) |
| Kalimantan Barat | HIV/AIDS                                      | 60  | 0.4 (0.1, 1.3)       | 0.000007 (0.0000012, 0.0000236)  | 0.00033 (0.00005, 0.00112) | 0.4 (0.1, 1.3)       | 0.0000072 (0.0000012, 0.0000241) | 0.00036 (0.00006, 0.00124) |
| Kalimantan Barat | Lower respiratory infections                  | 60  | 29.2 (13.9, 52.0)    | 0.0005403 (0.0002564, 0.0009614) | 0.02509 (0.01295, 0.04098) | 31.6 (16.5, 51.4)    | 0.0005937 (0.0003105, 0.0009647) | 0.02981 (0.01641, 0.04769) |
| Kalimantan Barat | Malaria                                       | 60  | 6.1 (0.9, 18.5)      | 0.0001126 (0.0000172, 0.0003418) | 0.00521 (0.00084, 0.01552) | 4.1 (0.5, 14.6)      | 0.0000774 (0.0000098, 0.0002735) | 0.00389 (0.00051, 0.01343) |
| Kalimantan Barat | Tuberculosis                                  | 60  | 115.3 (75.0, 164.4)  | 0.0021313 (0.0013866, 0.0030380) | 0.09903 (0.07167, 0.12925) | 75.3 (49.0, 106.7)   | 0.0014123 (0.0009203, 0.0020021) | 0.07095 (0.04782, 0.09908) |
| Kalimantan Barat | Other communicable diseases                   | 60  | 30.7 (15.6, 51.5)    | 0.0005672 (0.0002879, 0.0009527) | 0.02637 (0.01467, 0.04208) | 35.5 (19.8, 56.2)    | 0.000667 (0.0003723, 0.0010542)  | 0.03355 (0.01924, 0.05201) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 60  | 22.4 (9.2, 46.7)     | 0.0004147 (0.0001697, 0.0008630) | 0.01937 (0.00803, 0.03948) | 7.2 (2.7, 16.1)      | 0.0001354 (0.0000505, 0.0003020) | 0.00681 (0.00260, 0.01532) |
| Kalimantan Barat | Breast cancer                                 | 60  | 0.5 (0.1, 1.1)       | 0.0000089 (0.0000025, 0.0000210) | 0.00041 (0.00012, 0.00097) | 18.8 (7.8, 36.0)     | 0.0003526 (0.0001464, 0.0006763) | 0.01771 (0.00756, 0.03353) |
| Kalimantan Barat | Cervical cancer                               | 60  |                      |                                  |                            | 19.0 (6.5, 39.5)     | 0.0003572 (0.0001215, 0.0007407) | 0.01798 (0.00629, 0.03631) |
| Kalimantan Barat | Other malignant neoplasms                     | 60  | 40.2 (22.5, 63.0)    | 0.0007431 (0.0004160, 0.0011641) | 0.03452 (0.02147, 0.05193) | 34.6 (17.5, 57.9)    | 0.0006489 (0.0003278, 0.0010868) | 0.0326 (0.01662, 0.05350)  |
| Kalimantan Barat | Cerebrovascular disease                       | 60  | 247.3 (173.4, 330.6) | 0.0045708 (0.0032050, 0.0061117) | 0.21249 (0.17167, 0.25526) | 267.6 (202.7, 334.0) | 0.0050232 (0.0038046, 0.0062688) | 0.25238 (0.20816, 0.29905) |
| Kalimantan Barat | Ischemic heart disease                        | 60  | 205.5 (143.6, 277.0) | 0.0037994 (0.0026543, 0.0051198) | 0.17676 (0.13739, 0.22015) | 136.9 (96.5, 183.5)  | 0.0025701 (0.0018115, 0.0034431) | 0.12917 (0.09611, 0.16791) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 60  | 69.5 (39.6, 116.4)   | 0.0012839 (0.0007325, 0.0021511) | 0.05964 (0.03544, 0.09216) | 79.1 (47.2, 128.8)   | 0.0014851 (0.0008859, 0.0024174) | 0.07461 (0.04495, 0.11409) |
| Kalimantan Barat | Diabetes mellitus                             | 60  | 58.9 (36.3, 85.3)    | 0.0010878 (0.0006716, 0.0015774) | 0.05059 (0.03446, 0.06800) | 78.0 (50.6, 108.3)   | 0.0014639 (0.0009494, 0.0020318) | 0.07353 (0.04998, 0.09781) |
| Kalimantan Barat | Chronic kidney disease                        | 60  | 27.3 (17.8, 40.0)    | 0.0005053 (0.0003289, 0.0007389) | 0.0235 (0.01664, 0.03261)  | 22.8 (15.1, 32.5)    | 0.0004284 (0.0002840, 0.0006098) | 0.02152 (0.01497, 0.02966) |
| Kalimantan Barat | Cirrhosis                                     | 60  | 53.9 (31.1, 84.2)    | 0.0009965 (0.0005749, 0.0015559) | 0.04628 (0.03008, 0.06690) | 36.9 (22.9, 55.3)    | 0.0006933 (0.0004292, 0.0010385) | 0.03486 (0.02194, 0.05136) |
| Kalimantan Barat | Chronic respiratory diseases                  | 60  | 88.1 (54.5, 128.8)   | 0.001629 (0.0010072, 0.0023801)  | 0.07579 (0.05083, 0.10218) | 59.2 (38.1, 84.9)    | 0.0011116 (0.0007152, 0.0015930) | 0.05585 (0.03737, 0.07631) |
| Kalimantan Barat | Other non-communicable diseases               | 60  | 91.8 (60.8, 129.8)   | 0.0016969 (0.0011246, 0.0023991) | 0.07885 (0.05795, 0.10408) | 95.1 (68.6, 127.4)   | 0.0017852 (0.0012870, 0.0023902) | 0.08975 (0.06736, 0.11897) |
| Kalimantan Barat | Drowning                                      | 60  | 3.7 (1.1, 9.0)       | 0.0000679 (0.0000212, 0.0001663) | 0.00315 (0.00103, 0.00772) | 2.5 (0.7, 6.2)       | 0.0000468 (0.0000124, 0.0001156) | 0.00236 (0.00065, 0.00568) |
| Kalimantan Barat | Falls                                         | 60  | 13.7 (5.9, 25.4)     | 0.0002527 (0.0001092, 0.0004691) | 0.01174 (0.00533, 0.02125) | 9.5 (4.2, 17.0)      | 0.0001788 (0.0000790, 0.0003199) | 0.00898 (0.00415, 0.01577) |
| Kalimantan Barat | Interpersonal violence                        | 60  | 1.2 (0.5, 2.4)       | 0.0000228 (0.0000097, 0.0000448) | 0.00106 (0.00050, 0.00201) | 0.7 (0.2, 1.5)       | 0.0000127 (0.0000046, 0.0000284) | 0.00064 (0.00024, 0.00142) |
| Kalimantan Barat | Self-harm                                     | 60  | 2.2 (0.9, 4.6)       | 0.0000402 (0.0000163, 0.0000841) | 0.00187 (0.00076, 0.00384) | 0.9 (0.3, 1.9)       | 0.0000162 (0.0000060, 0.0000355) | 0.00082 (0.00031, 0.00182) |
| Kalimantan Barat | Transport injuries                            | 60  | 25.6 (12.8, 44.4)    | 0.0004724 (0.0002357, 0.0008199) | 0.02195 (0.01214, 0.03637) | 10.7 (5.4, 19.1)     | 0.0002011 (0.0001006, 0.0003577) | 0.01012 (0.00513, 0.01800) |
| Kalimantan Barat | Other unintentional injuries                  | 60  | 10.3 (5.2, 17.9)     | 0.0001904 (0.0000958, 0.0003303) | 0.00884 (0.00467, 0.01489) | 4.4 (2.1, 7.9)       | 0.0000803 (0.0000397, 0.0001486) | 0.00418 (0.00205, 0.00759) |
| Kalimantan Barat | Diarrheal diseases                            | 65  | 34.9 (17.0, 59.7)    | 0.0008628 (0.0004219, 0.0014775) | 0.02791 (0.01532, 0.04465) | 45.5 (26.2, 70.1)    | 0.0012703 (0.0007315, 0.0019575) | 0.04283 (0.02514, 0.06560) |
| Kalimantan Barat | HIV/AIDS                                      | 65  | 0.4 (0.1, 1.1)       | 0.0000093 (0.0000015, 0.0000279) | 0.0003 (0.00005, 0.00089)  | 0.3 (0.1, 1.0)       | 0.0000096 (0.0000016, 0.0000288) | 0.00032 (0.00006, 0.00099) |
| Kalimantan Barat | Lower respiratory infections                  | 65  | 35.2 (16.7, 62.4)    | 0.0008718 (0.0004122, 0.0015451) | 0.02819 (0.01425, 0.04501) | 35.2 (18.7, 56.8)    | 0.0009817 (0.0005224, 0.0015848) | 0.03309 (0.01769, 0.05260) |
| Kalimantan Barat | Malaria                                       | 65  | 6.7 (1.0, 21.2)      | 0.0001658 (0.0000253, 0.0005240) | 0.00535 (0.00084, 0.01613) | 3.9 (0.5, 13.7)      | 0.0001098 (0.0000140, 0.0003837) | 0.00371 (0.00046, 0.01276) |
| Kalimantan Barat | Tuberculosis                                  | 65  | 126.1 (80.4, 179.5)  | 0.0031218 (0.0019896, 0.0044430) | 0.10105 (0.07339, 0.13405) | 73.7 (47.9, 107.2)   | 0.0020585 (0.0013381, 0.0029935) | 0.06941 (0.04576, 0.09786) |
| Kalimantan Barat | Other communicable diseases                   | 65  | 31.6 (15.2, 54.5)    | 0.0007822 (0.0003753, 0.0013485) | 0.02534 (0.01343, 0.04071) | 33.1 (17.4, 54.9)    | 0.0009247 (0.0004844, 0.0015334) | 0.03121 (0.01648, 0.05056) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 65  | 21.2 (8.6, 45.4)     | 0.000526 (0.0002128, 0.0011246)  | 0.01712 (0.00722, 0.03536) | 5.4 (2.1, 12.8)      | 0.000152 (0.0000581, 0.0003584)  | 0.00514 (0.00196, 0.01178) |
| Kalimantan Barat | Breast cancer                                 | 65  | 0.4 (0.1, 1.0)       | 0.0000091 (0.0000025, 0.0000239) | 0.00029 (0.00008, 0.00074) | 12.9 (5.3, 25.5)     | 0.0003598 (0.0001489, 0.0007127) | 0.01213 (0.00499, 0.02390) |
| Kalimantan Barat | Cervical cancer                               | 65  |                      |                                  |                            | 12.2 (4.0, 25.9)     | 0.0003401 (0.0001110, 0.0007237) | 0.01149 (0.00378, 0.02441) |
| Kalimantan Barat | Other malignant neoplasms                     | 65  | 33.2 (18.0, 53.4)    | 0.0008211 (0.0004464, 0.0013214) | 0.02657 (0.01659, 0.04018) | 32.1 (16.9, 51.9)    | 0.0008961 (0.0004705, 0.0014474) | 0.03024 (0.01614, 0.04880) |
| Kalimantan Barat | Cerebrovascular disease                       | 65  | 274.3 (189.0, 371.4) | 0.0067903 (0.0046793, 0.0091944) | 0.21989 (0.17763, 0.26429) | 278.6 (212.7, 346.1) | 0.0077774 (0.0059366, 0.0096595) | 0.26228 (0.21617, 0.30966) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Barat | Ischemic heart disease                        | 65  | 214.2 (146.8, 291.8) | 0.0053025 (0.0036348, 0.0072236) | 0.17186 (0.13307, 0.21348) | 131.9 (93.2, 175.6)  | 0.0036817 (0.0026005, 0.0049029) | 0.1242 (0.09266, 0.16053)  |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 65  | 81.4 (46.4, 136.6)   | 0.0020153 (0.0011493, 0.0033815) | 0.06519 (0.03810, 0.10053) | 86.6 (52.1, 136.7)   | 0.0024178 (0.0014538, 0.0038163) | 0.08154 (0.04963, 0.12468) |
| Kalimantan Barat | Diabetes mellitus                             | 65  | 50.2 (30.6, 73.3)    | 0.0012419 (0.0007579, 0.0018135) | 0.04023 (0.02739, 0.05377) | 62.8 (40.0, 86.6)    | 0.0017522 (0.0011168, 0.0024169) | 0.05908 (0.03999, 0.07788) |
| Kalimantan Barat | Chronic kidney disease                        | 65  | 27.3 (17.6, 40.0)    | 0.0006765 (0.0004350, 0.0009900) | 0.02191 (0.01527, 0.03007) | 21.3 (14.4, 29.8)    | 0.0005942 (0.0004030, 0.0008317) | 0.02004 (0.01375, 0.02747) |
| Kalimantan Barat | Cirrhosis                                     | 65  | 44.8 (25.4, 69.9)    | 0.0011098 (0.0006276, 0.0017296) | 0.0359 (0.02319, 0.05172)  | 29.2 (18.2, 44.0)    | 0.000816 (0.0005075, 0.0012275)  | 0.02754 (0.01756, 0.04027) |
| Kalimantan Barat | Chronic respiratory diseases                  | 65  | 104.2 (64.1, 152.3)  | 0.0025795 (0.0015871, 0.0037715) | 0.0836 (0.05714, 0.11177)  | 66.1 (43.8, 92.8)    | 0.0018438 (0.0012220, 0.0025910) | 0.06217 (0.04135, 0.08414) |
| Kalimantan Barat | Other non-communicable diseases               | 65  | 109.3 (72.5, 155.0)  | 0.0027066 (0.0017939, 0.0038362) | 0.08763 (0.06641, 0.11329) | 106.2 (78.0, 140.3)  | 0.0029644 (0.0021768, 0.0039163) | 0.10002 (0.07646, 0.12941) |
| Kalimantan Barat | Drowning                                      | 65  | 3.0 (0.9, 7.1)       | 0.0000746 (0.0000219, 0.0001768) | 0.00241 (0.00078, 0.00563) | 2.0 (0.5, 4.8)       | 0.0000548 (0.0000144, 0.0001338) | 0.00185 (0.00050, 0.00446) |
| Kalimantan Barat | Falls                                         | 65  | 14.5 (6.3, 26.0)     | 0.0003589 (0.0001564, 0.0006439) | 0.01163 (0.00543, 0.02010) | 9.5 (4.3, 16.7)      | 0.0002661 (0.0001205, 0.0004662) | 0.00898 (0.00424, 0.01554) |
| Kalimantan Barat | Interpersonal violence                        | 65  | 1.0 (0.4, 2.1)       | 0.0000247 (0.0000098, 0.0000514) | 0.0008 (0.00034, 0.00162)  | 0.5 (0.2, 1.2)       | 0.0000136 (0.0000047, 0.0000322) | 0.00046 (0.00016, 0.00106) |
| Kalimantan Barat | Self-harm                                     | 65  | 2.0 (0.8, 4.5)       | 0.0000499 (0.0000195, 0.0001108) | 0.00162 (0.00067, 0.00333) | 0.7 (0.3, 1.6)       | 0.0000199 (0.0000074, 0.0000443) | 0.00067 (0.00025, 0.00154) |
| Kalimantan Barat | Transport injuries                            | 65  | 21.8 (10.9, 38.9)    | 0.0005403 (0.0002689, 0.0009631) | 0.01749 (0.00927, 0.02921) | 8.5 (3.9, 15.2)      | 0.0002374 (0.0001083, 0.0004245) | 0.00801 (0.00382, 0.01450) |
| Kalimantan Barat | Other unintentional injuries                  | 65  | 9.7 (4.8, 17.1)      | 0.0002391 (0.0001187, 0.0004234) | 0.00774 (0.00405, 0.01290) | 3.8 (1.8, 6.8)       | 0.0001062 (0.0000494, 0.0001903) | 0.00359 (0.00170, 0.00663) |
| Kalimantan Barat | Diarrheal diseases                            | 70  | 44.4 (22.6, 76.9)    | 0.0019198 (0.0009757, 0.0033233) | 0.03948 (0.02256, 0.06191) | 61.5 (36.3, 92.9)    | 0.0026242 (0.0015477, 0.0039635) | 0.05566 (0.03408, 0.08167) |
| Kalimantan Barat | HIV/AIDS                                      | 70  | 0.4 (0.1, 1.4)       | 0.0000189 (0.0000033, 0.0000616) | 0.00039 (0.00007, 0.00124) | 0.4 (0.1, 1.4)       | 0.0000191 (0.0000035, 0.0000600) | 0.0004 (0.00007, 0.00128)  |
| Kalimantan Barat | Lower respiratory infections                  | 70  | 39.6 (19.1, 67.8)    | 0.0017137 (0.0008254, 0.0029297) | 0.03525 (0.01886, 0.05646) | 44.5 (23.9, 70.8)    | 0.0018993 (0.0010194, 0.0030199) | 0.04028 (0.02246, 0.06235) |
| Kalimantan Barat | Malaria                                       | 70  | 5.6 (0.8, 18.8)      | 0.0002416 (0.0000352, 0.0008130) | 0.00496 (0.00072, 0.01541) | 3.6 (0.5, 12.9)      | 0.0001518 (0.0000197, 0.0005518) | 0.00322 (0.00040, 0.01119) |
| Kalimantan Barat | Tuberculosis                                  | 70  | 113.4 (71.6, 164.6)  | 0.004903 (0.0030965, 0.0071140)  | 0.10093 (0.07177, 0.13383) | 77.5 (49.6, 110.2)   | 0.003305 (0.0021147, 0.0047009)  | 0.07011 (0.04567, 0.09889) |
| Kalimantan Barat | Other communicable diseases                   | 70  | 30.1 (14.7, 53.3)    | 0.0012995 (0.0006363, 0.0023017) | 0.02676 (0.01459, 0.04484) | 33.3 (17.9, 55.6)    | 0.0014183 (0.0007615, 0.0023709) | 0.03012 (0.01624, 0.04892) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 70  | 16.6 (6.6, 36.3)     | 0.0007184 (0.0002840, 0.0015688) | 0.01487 (0.00627, 0.03217) | 4.6 (1.7, 10.9)      | 0.0001965 (0.0000739, 0.0004643) | 0.00418 (0.00157, 0.00981) |
| Kalimantan Barat | Breast cancer                                 | 70  | 0.2 (0.1, 0.6)       | 0.0000099 (0.0000024, 0.0000268) | 0.0002 (0.00005, 0.00052)  | 8.0 (3.2, 16.2)      | 0.0003406 (0.0001353, 0.0006890) | 0.00722 (0.00291, 0.01439) |
| Kalimantan Barat | Cervical cancer                               | 70  |                      |                                  |                            | 7.2 (2.2, 16.9)      | 0.0003089 (0.0000920, 0.0007220) | 0.00656 (0.00193, 0.01501) |
| Kalimantan Barat | Other malignant neoplasms                     | 70  | 22.6 (12.1, 36.3)    | 0.000976 (0.0005218, 0.0015696)  | 0.02007 (0.01220, 0.03111) | 25.8 (14.1, 41.1)    | 0.0011023 (0.0005997, 0.0017546) | 0.0234 (0.01251, 0.03678)  |
| Kalimantan Barat | Cerebrovascular disease                       | 70  | 244.8 (166.9, 336.0) | 0.0105829 (0.0072153, 0.0145243) | 0.21789 (0.17620, 0.26111) | 291.0 (224.4, 360.3) | 0.0124117 (0.0095711, 0.0153675) | 0.26329 (0.21692, 0.30926) |
| Kalimantan Barat | Ischemic heart disease                        | 70  | 177.9 (120.2, 245.1) | 0.007688 (0.0051956, 0.0105958)  | 0.15844 (0.12223, 0.19719) | 136.9 (98.4, 181.8)  | 0.0058383 (0.0041964, 0.0077516) | 0.12389 (0.09284, 0.15831) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 70  | 78.1 (44.9, 130.9)   | 0.0033755 (0.0019403, 0.0056580) | 0.06945 (0.04247, 0.10660) | 94.9 (56.5, 148.3)   | 0.0040464 (0.0024110, 0.0063232) | 0.08584 (0.05272, 0.13182) |
| Kalimantan Barat | Diabetes mellitus                             | 70  | 32.5 (19.9, 49.2)    | 0.0014049 (0.0008604, 0.0021246) | 0.02893 (0.01938, 0.03889) | 48.1 (30.8, 66.8)    | 0.0020507 (0.0013144, 0.0028486) | 0.0435 (0.02890, 0.05815)  |
| Kalimantan Barat | Chronic kidney disease                        | 70  | 20.8 (13.1, 30.3)    | 0.000898 (0.0005648, 0.0013080)  | 0.01849 (0.01287, 0.02488) | 19.2 (12.8, 26.4)    | 0.0008172 (0.0005458, 0.0011258) | 0.01734 (0.01194, 0.02374) |
| Kalimantan Barat | Cirrhosis                                     | 70  | 33.0 (18.4, 52.0)    | 0.0014242 (0.0007960, 0.0022496) | 0.02928 (0.01907, 0.04194) | 24.9 (15.5, 37.1)    | 0.0010618 (0.0006624, 0.0015810) | 0.02254 (0.01429, 0.03286) |
| Kalimantan Barat | Chronic respiratory diseases                  | 70  | 113.8 (72.4, 162.6)  | 0.0049177 (0.0031274, 0.0070287) | 0.10135 (0.07247, 0.13070) | 80.9 (55.1, 110.7)   | 0.0034494 (0.0023497, 0.0047214) | 0.07317 (0.05084, 0.09692) |
| Kalimantan Barat | Other non-communicable diseases               | 70  | 105.5 (68.8, 148.6)  | 0.0045612 (0.0029720, 0.0064230) | 0.09387 (0.07165, 0.12081) | 118.6 (88.1, 156.0)  | 0.0050567 (0.0037572, 0.0066545) | 0.10733 (0.08187, 0.13804) |
| Kalimantan Barat | Drowning                                      | 70  | 4.1 (1.5, 10.0)      | 0.0001792 (0.0000631, 0.0004329) | 0.00367 (0.00131, 0.00826) | 2.9 (1.0, 7.0)       | 0.0001236 (0.0000419, 0.0003006) | 0.00262 (0.00089, 0.00600) |
| Kalimantan Barat | Falls                                         | 70  | 13.2 (6.0, 23.9)     | 0.0005715 (0.0002583, 0.0010319) | 0.01176 (0.00568, 0.01953) | 9.5 (4.6, 16.4)      | 0.0004071 (0.0001965, 0.0006993) | 0.00864 (0.00431, 0.01476) |
| Kalimantan Barat | Interpersonal violence                        | 70  | 0.6 (0.2, 1.4)       | 0.0000257 (0.0000089, 0.0000595) | 0.00053 (0.00021, 0.00115) | 0.3 (0.1, 0.8)       | 0.0000142 (0.0000044, 0.0000353) | 0.0003 (0.00010, 0.00077)  |
| Kalimantan Barat | Self-harm                                     | 70  | 1.4 (0.5, 3.2)       | 0.0000614 (0.0000237, 0.0001376) | 0.00126 (0.00050, 0.00260) | 0.6 (0.2, 1.3)       | 0.0000247 (0.0000091, 0.0000573) | 0.00053 (0.00019, 0.00121) |
| Kalimantan Barat | Transport injuries                            | 70  | 17.1 (8.2, 30.4)     | 0.0007411 (0.0003553, 0.0013140) | 0.01525 (0.00815, 0.02583) | 7.4 (3.5, 14.0)      | 0.0003162 (0.0001503, 0.0005969) | 0.00671 (0.00325, 0.01228) |
| Kalimantan Barat | Other unintentional injuries                  | 70  | 7.8 (3.8, 14.6)      | 0.000336 (0.0001662, 0.0006328)  | 0.00692 (0.00354, 0.01202) | 3.4 (1.6, 6.3)       | 0.0001471 (0.0000697, 0.0002673) | 0.00313 (0.00147, 0.00585) |
| Kalimantan Barat | Diarrheal diseases                            | 75  | 35.9 (18.8, 61.0)    | 0.0032089 (0.0016815, 0.0054535) | 0.04702 (0.02794, 0.07103) | 58.7 (36.0, 85.8)    | 0.0048526 (0.0029797, 0.0070961) | 0.0658 (0.04139, 0.09446)  |
| Kalimantan Barat | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.7)       | 0.0000208 (0.0000037, 0.0000642) | 0.00031 (0.00006, 0.00099) | 0.3 (0.0, 0.9)       | 0.0000224 (0.0000041, 0.0000717) | 0.0003 (0.00006, 0.00096)  |
| Kalimantan Barat | Lower respiratory infections                  | 75  | 28.1 (13.3, 48.1)    | 0.0025165 (0.0011886, 0.0043003) | 0.03688 (0.01992, 0.05862) | 37.2 (20.4, 58.2)    | 0.0030757 (0.0016903, 0.0048150) | 0.0417 (0.02351, 0.06432)  |
| Kalimantan Barat | Malaria                                       | 75  | 4.0 (0.5, 13.0)      | 0.0003565 (0.0000446, 0.0011582) | 0.0052 (0.00070, 0.01623)  | 2.8 (0.3, 10.8)      | 0.0002348 (0.0000281, 0.0008924) | 0.00319 (0.00039, 0.01186) |
| Kalimantan Barat | Tuberculosis                                  | 75  | 68.0 (41.7, 101.2)   | 0.0060777 (0.0037304, 0.0090446) | 0.08918 (0.06240, 0.12045) | 51.4 (32.0, 76.3)    | 0.004254 (0.0026425, 0.0063095)  | 0.05768 (0.03650, 0.08442) |
| Kalimantan Barat | Other communicable diseases                   | 75  | 19.4 (8.9, 34.6)     | 0.0017327 (0.0007948, 0.0030912) | 0.02546 (0.01364, 0.04250) | 25.8 (13.6, 44.1)    | 0.0021362 (0.0011210, 0.0036443) | 0.02901 (0.01549, 0.04945) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 75  | 8.5 (3.4, 18.7)      | 0.000763 (0.0003069, 0.0016721)  | 0.01125 (0.00459, 0.02395) | 2.8 (1.0, 6.5)       | 0.0002284 (0.0000837, 0.0005395) | 0.0031 (0.00113, 0.00739)  |
| Kalimantan Barat | Breast cancer                                 | 75  | 0.1 (0.0, 0.3)       | 0.0000099 (0.0000021, 0.0000283) | 0.00014 (0.00003, 0.00039) | 4.0 (1.5, 8.2)       | 0.0003323 (0.0001239, 0.0006765) | 0.00451 (0.00175, 0.00914) |
| Kalimantan Barat | Cervical cancer                               | 75  |                      |                                  |                            | 3.6 (1.0, 8.7)       | 0.0003015 (0.0000832, 0.0007178) | 0.0041 (0.00110, 0.00975)  |
| Kalimantan Barat | Other malignant neoplasms                     | 75  | 11.7 (6.2, 19.4)     | 0.0010463 (0.0005536, 0.0017360) | 0.01533 (0.00928, 0.02389) | 17.3 (9.3, 28.0)     | 0.0014277 (0.0007672, 0.0023179) | 0.01938 (0.01049, 0.03051) |
| Kalimantan Barat | Cerebrovascular disease                       | 75  | 164.3 (109.8, 229.9) | 0.0146843 (0.0098179, 0.0205522) | 0.2155 (0.17311, 0.25839)  | 235.5 (183.2, 288.7) | 0.0194753 (0.0151458, 0.0238685) | 0.2641 (0.21704, 0.31048)  |
| Kalimantan Barat | Ischemic heart disease                        | 75  | 130.2 (87.5, 180.1)  | 0.011638 (0.0078237, 0.0160998)  | 0.17098 (0.13144, 0.21319) | 119.1 (85.3, 156.1)  | 0.0098483 (0.0070507, 0.0129088) | 0.1336 (0.09970, 0.17030)  |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 75  | 54.3 (30.5, 91.8)    | 0.0048556 (0.0027298, 0.0082108) | 0.07122 (0.04365, 0.10803) | 78.1 (46.9, 120.9)   | 0.0064572 (0.0038738, 0.0099930) | 0.08758 (0.05311, 0.13393) |
| Kalimantan Barat | Diabetes mellitus                             | 75  | 18.5 (10.9, 28.1)    | 0.0016532 (0.0009762, 0.0025102) | 0.02427 (0.01624, 0.03363) | 32.3 (20.6, 45.4)    | 0.0026726 (0.0017065, 0.0037502) | 0.03625 (0.02398, 0.04915) |
| Kalimantan Barat | Chronic kidney disease                        | 75  | 12.7 (7.8, 18.9)     | 0.0011384 (0.0006961, 0.0016931) | 0.01671 (0.01175, 0.02277) | 13.6 (9.2, 19.1)     | 0.0011286 (0.0007583, 0.0015797) | 0.0153 (0.01074, 0.02099)  |
| Kalimantan Barat | Cirrhosis                                     | 75  | 19.4 (10.6, 31.2)    | 0.0017315 (0.0009486, 0.0027889) | 0.02537 (0.01611, 0.03649) | 17.8 (10.9, 26.9)    | 0.0014681 (0.0009025, 0.0022207) | 0.01992 (0.01242, 0.02928) |
| Kalimantan Barat | Chronic respiratory diseases                  | 75  | 77.4 (49.0, 111.6)   | 0.0069239 (0.0043809, 0.0099768) | 0.10176 (0.07330, 0.13254) | 63.1 (43.4, 87.4)    | 0.0052192 (0.0035884, 0.0072259) | 0.07076 (0.04998, 0.09430) |
| Kalimantan Barat | Other non-communicable diseases               | 75  | 81.4 (52.5, 116.0)   | 0.0072768 (0.0046951, 0.0103676) | 0.10673 (0.08168, 0.13602) | 109.2 (82.3, 141.5)  | 0.0090261 (0.0068026, 0.0117009) | 0.12247 (0.09497, 0.15601) |
| Kalimantan Barat | Drowning                                      | 75  | 3.6 (1.2, 8.0)       | 0.0003216 (0.0001106, 0.0007124) | 0.00471 (0.00172, 0.01026) | 3.1 (1.1, 7.0)       | 0.000256 (0.0000893, 0.0005787)  | 0.00347 (0.00127, 0.00750) |
| Kalimantan Barat | Falls                                         | 75  | 10.1 (4.5, 18.2)     | 0.000902 (0.0004005, 0.0016241)  | 0.01322 (0.00641, 0.02253) | 8.7 (4.1, 15.1)      | 0.0007194 (0.0003419, 0.0012489) | 0.00975 (0.00475, 0.01711) |
| Kalimantan Barat | Interpersonal violence                        | 75  | 0.3 (0.1, 0.8)       | 0.0000273 (0.0000075, 0.0000675) | 0.0004 (0.00013, 0.00098)  | 0.2 (0.0, 0.5)       | 0.0000152 (0.0000039, 0.0000426) | 0.00021 (0.00005, 0.00057) |
| Kalimantan Barat | Self-harm                                     | 75  | 0.9 (0.3, 2.1)       | 0.0000795 (0.0000294, 0.0001845) | 0.00117 (0.00046, 0.00241) | 0.4 (0.1, 0.9)       | 0.000032 (0.0000111, 0.0000725)  | 0.00043 (0.00015, 0.00099) |
| Kalimantan Barat | Transport injuries                            | 75  | 8.2 (3.5, 15.4)      | 0.0007371 (0.0003154, 0.0013803) | 0.01081 (0.00510, 0.01962) | 4.1 (1.7, 8.2)       | 0.0003424 (0.0001437, 0.0006810) | 0.00465 (0.00220, 0.00894) |
| Kalimantan Barat | Other unintentional injuries                  | 75  | 4.9 (2.2, 9.4)       | 0.0004348 (0.0001954, 0.0008376) | 0.00637 (0.00320, 0.01115) | 2.4 (1.1, 4.6)       | 0.0002019 (0.0000883, 0.0003837) | 0.00274 (0.00123, 0.00524) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                             |
|-------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|-----------------------------|
|                   |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                 |
| Kalimantan Barat  | Diarrheal diseases                                       | 80  | 89.0 (54.0, 133.4)         | 0.0112264 (0.0068087, 0.0168259) | 0.08263 (0.05457, 0.11617) | 172.7 (115.7, 235.3)       | 0.0155104 (0.0103922, 0.0211360) | 0.09931 (0.06869, 0.13352)  |
| Kalimantan Barat  | HIV/AIDS                                                 | 80  | 0.3 (0.1, 1.1)             | 0.0000438 (0.0000066, 0.0001426) | 0.00032 (0.00005, 0.00110) | 0.5 (0.1, 1.8)             | 0.0000477 (0.0000073, 0.0001658) | 0.00031 (0.00005, 0.00108)  |
| Kalimantan Barat  | Lower respiratory infections                             | 80  | 48.7 (25.3, 80.6)          | 0.0061384 (0.0031888, 0.0101665) | 0.04518 (0.02539, 0.07170) | 80.3 (45.3, 128.1)         | 0.0072097 (0.0040642, 0.0115045) | 0.04616 (0.02638, 0.07303)  |
| Kalimantan Barat  | Malaria                                                  | 80  | 6.2 (0.7, 20.6)            | 0.0007807 (0.0000938, 0.0026030) | 0.00573 (0.00069, 0.01881) | 6.1 (0.7, 22.6)            | 0.0005461 (0.0000654, 0.0020317) | 0.0035 (0.00041, 0.01275)   |
| Kalimantan Barat  | Tuberculosis                                             | 80  | 88.6 (55.5, 131.4)         | 0.0111845 (0.0070071, 0.0165795) | 0.08236 (0.05550, 0.11588) | 99.7 (62.1, 147.4)         | 0.0089558 (0.0055772, 0.0132361) | 0.05735 (0.03564, 0.08489)  |
| Kalimantan Barat  | Other communicable diseases                              | 80  | 33.3 (17.3, 57.4)          | 0.0042048 (0.0021874, 0.0072372) | 0.03097 (0.01673, 0.05238) | 50.4 (26.7, 87.5)          | 0.0045306 (0.0023966, 0.0078553) | 0.02904 (0.01528, 0.05054)  |
| Kalimantan Barat  | Tracheal, bronchus, and lung cancer                      | 80  | 9.0 (3.5, 20.8)            | 0.0011362 (0.0004447, 0.0026258) | 0.00839 (0.00329, 0.01900) | 4.4 (1.6, 10.3)            | 0.000393 (0.0001414, 0.0009257)  | 0.00252 (0.00091, 0.00586)  |
| Kalimantan Barat  | Breast cancer                                            | 80  | 0.1 (0.0, 0.3)             | 0.0000138 (0.0000025, 0.0000414) | 0.0001 (0.00002, 0.00031)  | 5.3 (1.7, 11.6)            | 0.0004754 (0.0001561, 0.0010413) | 0.00304 (0.00098, 0.00664)  |
| Kalimantan Barat  | Cervical cancer                                          | 80  |                            |                                  |                            | 3.7 (0.9, 9.9)             | 0.0003367 (0.0000802, 0.0008919) | 0.00216 (0.00051, 0.00574)  |
| Kalimantan Barat  | Other malignant neoplasms                                | 80  | 13.0 (7.2, 21.1)           | 0.0016385 (0.0009090, 0.0026596) | 0.01206 (0.00718, 0.01948) | 26.5 (14.1, 42.6)          | 0.0023783 (0.0012672, 0.0038221) | 0.01524 (0.00820, 0.02417)  |
| Kalimantan Barat  | Cerebrovascular disease                                  | 80  | 227.7 (164.9, 300.0)       | 0.0287313 (0.0208066, 0.0378455) | 0.21163 (0.17119, 0.25423) | 444.8 (353.1, 537.0)       | 0.0399531 (0.0317138, 0.0482351) | 0.25582 (0.21019, 0.30074)  |
| Kalimantan Barat  | Ischemic heart disease                                   | 80  | 161.4 (115.1, 216.5)       | 0.0203617 (0.0145230, 0.0273201) | 0.15008 (0.11488, 0.18885) | 224.8 (164.7, 291.7)       | 0.0201917 (0.0147901, 0.0261961) | 0.12933 (0.09678, 0.16494)  |
| Kalimantan Barat  | Other cardiovascular and circulatory diseases            | 80  | 70.0 (40.2, 115.1)         | 0.0088302 (0.0050700, 0.0145193) | 0.06502 (0.03887, 0.10113) | 139.1 (83.4, 214.5)        | 0.0124934 (0.0074879, 0.0192614) | 0.08001 (0.04795, 0.12290)  |
| Kalimantan Barat  | Diabetes mellitus                                        | 80  | 19.9 (12.1, 29.5)          | 0.0025155 (0.0015292, 0.0037232) | 0.01854 (0.01228, 0.02605) | 50.0 (32.7, 69.9)          | 0.0044911 (0.0029376, 0.0062815) | 0.02876 (0.01901, 0.04016)  |
| Kalimantan Barat  | Chronic kidney disease                                   | 80  | 14.1 (9.1, 20.4)           | 0.0017744 (0.0011453, 0.0025707) | 0.01307 (0.00904, 0.01834) | 22.4 (15.2, 31.8)          | 0.0020078 (0.0013676, 0.0028538) | 0.01285 (0.00889, 0.01800)  |
| Kalimantan Barat  | Cirrhosis                                                | 80  | 22.8 (13.3, 35.1)          | 0.0028715 (0.0016745, 0.0044335) | 0.02113 (0.01322, 0.03140) | 27.5 (17.2, 41.8)          | 0.0024675 (0.0015418, 0.0037525) | 0.0158 (0.00992, 0.02369)   |
| Kalimantan Barat  | Chronic respiratory diseases                             | 80  | 107.7 (74.2, 145.6)        | 0.0135893 (0.0093647, 0.0183647) | 0.1002 (0.07370, 0.13031)  | 119.4 (82.8, 160.6)        | 0.0107203 (0.0074370, 0.0144210) | 0.06864 (0.04843, 0.09318)  |
| Kalimantan Barat  | Other non-communicable diseases                          | 80  | 123.8 (87.1, 168.5)        | 0.0156194 (0.0109885, 0.0212642) | 0.11501 (0.08814, 0.14678) | 227.3 (172.2, 291.3)       | 0.0204109 (0.0154698, 0.0261646) | 0.13073 (0.10103, 0.16666)  |
| Kalimantan Barat  | Drowning                                                 | 80  | 5.1 (1.7, 11.6)            | 0.0006413 (0.0002191, 0.0014590) | 0.00472 (0.00166, 0.01074) | 4.6 (1.6, 10.7)            | 0.0004117 (0.0001424, 0.0009600) | 0.00264 (0.00093, 0.00608)  |
| Kalimantan Barat  | Falls                                                    | 80  | 18.3 (9.1, 31.1)           | 0.0023092 (0.0011443, 0.0039199) | 0.01702 (0.00883, 0.02781) | 18.2 (9.4, 30.1)           | 0.0016313 (0.0008483, 0.0027069) | 0.01045 (0.00547, 0.01704)  |
| Kalimantan Barat  | Interpersonal violence                                   | 80  | 0.3 (0.1, 0.8)             | 0.0000381 (0.0000074, 0.0001070) | 0.00028 (0.00006, 0.00083) | 0.3 (0.1, 0.8)             | 0.0000244 (0.0000049, 0.0000730) | 0.00016 (0.00003, 0.00047)  |
| Kalimantan Barat  | Self-harm                                                | 80  | 1.0 (0.4, 2.4)             | 0.0001301 (0.0000476, 0.0002966) | 0.00096 (0.00037, 0.00206) | 0.7 (0.2, 1.6)             | 0.0000634 (0.0000211, 0.0001462) | 0.00041 (0.00014, 0.00094)  |
| Kalimantan Barat  | Transport injuries                                       | 80  | 9.7 (4.1, 18.0)            | 0.0012209 (0.0005204, 0.0022760) | 0.00899 (0.00399, 0.01696) | 6.0 (2.5, 11.9)            | 0.0005401 (0.0002226, 0.0010655) | 0.00346 (0.00139, 0.00672)  |
| Kalimantan Barat  | Other unintentional injuries                             | 80  | 6.0 (2.7, 11.1)            | 0.0007608 (0.0003378, 0.0014048) | 0.00561 (0.00255, 0.01008) | 4.0 (1.7, 7.4)             | 0.0003632 (0.0001527, 0.0006644) | 0.00233 (0.00097, 0.00441)  |
| Kalimantan Barat  | Diarrheal diseases                                       | All | 439.4 (255.8, 683.9)       | 0.0001818 (0.0001058, 0.0002829) | 0.03564 (0.02152, 0.05207) | 608.2 (384.5, 860.3)       | 0.0002644 (0.0001672, 0.0003740) | 0.05233 (0.03361, 0.07341)  |
| Kalimantan Barat  | HIV/AIDS                                                 | All | 53.0 (13.3, 150.2)         | 0.0000219 (0.0000055, 0.0000621) | 0.00431 (0.00107, 0.01204) | 34.9 (8.3, 100.3)          | 0.0000152 (0.0000036, 0.0000436) | 0.003 (0.00073, 0.00851)    |
| Kalimantan Barat  | Lower respiratory infections                             | All | 523.4 (331.3, 770.1)       | 0.0002165 (0.0001370, 0.0003186) | 0.04251 (0.02802, 0.06143) | 479.9 (290.9, 725.8)       | 0.0002086 (0.0001265, 0.0003155) | 0.04126 (0.02657, 0.06123)  |
| Kalimantan Barat  | Malaria                                                  | All | 87.8 (14.7, 262.5)         | 0.0000363 (0.0000061, 0.0001086) | 0.0071 (0.00123, 0.02068)  | 57.1 (8.1, 184.7)          | 0.0000248 (0.0000035, 0.0000803) | 0.00491 (0.00073, 0.01552)  |
| Kalimantan Barat  | Tuberculosis                                             | All | 1,216.3 (833.4, 1,687.1)   | 0.0005031 (0.0003447, 0.0006978) | 0.09854 (0.07297, 0.12710) | 764.7 (509.3, 1,086.8)     | 0.0003325 (0.0002214, 0.0004725) | 0.06571 (0.04497, 0.09139)  |
| Kalimantan Barat  | Maternal disorders                                       | All |                            |                                  |                            | 179.7 (122.1, 246.8)       | 0.0000781 (0.0000531, 0.0001073) | 0.01542 (0.01104, 0.02035)  |
| Kalimantan Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 202.4 (95.4, 332.7)        | 0.0000837 (0.0000395, 0.0001376) | 0.01646 (0.00791, 0.02763) | 143.0 (71.2, 247.8)        | 0.0000622 (0.0000309, 0.0001077) | 0.01227 (0.00629, 0.02069)  |
| Kalimantan Barat  | Preterm birth complications                              | All | 158.9 (71.8, 278.4)        | 0.0000657 (0.0000297, 0.0001152) | 0.01292 (0.00581, 0.02267) | 152.4 (72.8, 270.5)        | 0.0000663 (0.0000317, 0.0001176) | 0.01308 (0.00619, 0.02322)  |
| Kalimantan Barat  | Other neonatal disorders                                 | All | 101.5 (33.8, 206.7)        | 0.000042 (0.0000140, 0.0000855)  | 0.00826 (0.00277, 0.01720) | 70.0 (22.1, 150.3)         | 0.0000305 (0.0000096, 0.0000653) | 0.006 (0.00192, 0.01246)    |
| Kalimantan Barat  | Other communicable diseases                              | All | 725.1 (483.2, 1,037.2)     | 0.0002999 (0.0001999, 0.0004290) | 0.05896 (0.04000, 0.08320) | 625.1 (403.4, 894.6)       | 0.0002718 (0.0001754, 0.0003889) | 0.0538 (0.03519, 0.07761)   |
| Kalimantan Barat  | Tracheal, bronchus, and lung cancer                      | All | 160.5 (67.1, 323.9)        | 0.0000664 (0.0000278, 0.0001340) | 0.01305 (0.00546, 0.02737) | 63.9 (25.2, 140.2)         | 0.0000278 (0.0000010, 0.0000609) | 0.00055 (0.000213, 0.01202) |
| Kalimantan Barat  | Breast cancer                                            | All | 4.0 (1.3, 9.1)             | 0.0000017 (0.0000005, 0.0000038) | 0.00033 (0.00010, 0.00072) | 233.9 (106.5, 430.2)       | 0.0001017 (0.0000463, 0.0001870) | 0.02007 (0.00956, 0.03544)  |
| Kalimantan Barat  | Cervical cancer                                          | All |                            |                                  |                            | 186.0 (68.3, 376.2)        | 0.0000809 (0.0000297, 0.0001636) | 0.01599 (0.00575, 0.03161)  |
| Kalimantan Barat  | Other malignant neoplasms                                | All | 448.4 (267.4, 697.4)       | 0.0001855 (0.0001106, 0.0002885) | 0.03635 (0.02297, 0.05320) | 408.1 (228.0, 643.4)       | 0.0001774 (0.0000991, 0.0002797) | 0.03507 (0.01960, 0.05408)  |
| Kalimantan Barat  | Cerebrovascular disease                                  | All | 1,792.7 (1,271.6, 2,420.1) | 0.0007416 (0.0005260, 0.0010011) | 0.14513 (0.11417, 0.17795) | 2,193.4 (1,663.5, 2,738.5) | 0.0009536 (0.0007232, 0.0011906) | 0.18859 (0.15214, 0.22652)  |
| Kalimantan Barat  | Ischemic heart disease                                   | All | 1,585.8 (1,128.8, 2,124.7) | 0.000656 (0.0004669, 0.0008789)  | 0.1285 (0.09887, 0.16144)  | 1,188.4 (846.9, 1,571.1)   | 0.0005166 (0.0003682, 0.0006830) | 0.1022 (0.07692, 0.13257)   |
| Kalimantan Barat  | Other cardiovascular and circulatory diseases            | All | 567.0 (328.5, 950.8)       | 0.0002345 (0.0001359, 0.0003933) | 0.04589 (0.02745, 0.07228) | 726.8 (436.8, 1,160.0)     | 0.000316 (0.0001899, 0.0005043)  | 0.0625 (0.03784, 0.09536)   |
| Kalimantan Barat  | Diabetes mellitus                                        | All | 373.1 (238.6, 541.1)       | 0.0001543 (0.0000987, 0.0002238) | 0.03024 (0.02038, 0.04116) | 525.5 (337.4, 731.8)       | 0.0002285 (0.0001467, 0.0003182) | 0.04515 (0.03024, 0.05970)  |
| Kalimantan Barat  | Chronic kidney disease                                   | All | 264.0 (180.5, 376.7)       | 0.0001092 (0.0000746, 0.0001558) | 0.02141 (0.01507, 0.02902) | 240.0 (161.9, 334.6)       | 0.0001044 (0.0000704, 0.0001455) | 0.02062 (0.01456, 0.02795)  |
| Kalimantan Barat  | Cirrhosis                                                | All | 486.7 (292.8, 729.9)       | 0.0002013 (0.0001211, 0.0003019) | 0.03943 (0.02533, 0.05633) | 336.9 (208.1, 506.2)       | 0.0001465 (0.0000905, 0.0002201) | 0.02895 (0.01851, 0.04206)  |
| Kalimantan Barat  | Chronic respiratory diseases                             | All | 728.4 (459.3, 1,051.1)     | 0.0003013 (0.0001900, 0.0004348) | 0.05901 (0.04006, 0.07922) | 548.9 (362.5, 768.2)       | 0.0002386 (0.0001576, 0.0003340) | 0.04719 (0.03221, 0.06380)  |
| Kalimantan Barat  | Other non-communicable diseases                          | All | 1,126.9 (830.8, 1,495.2)   | 0.0004661 (0.0003437, 0.0006185) | 0.09137 (0.07222, 0.11430) | 1,278.6 (985.2, 1,637.3)   | 0.0005559 (0.0004283, 0.0007118) | 0.10999 (0.08767, 0.13818)  |
| Kalimantan Barat  | Drowning                                                 | All | 192.9 (106.5, 326.1)       | 0.0000798 (0.0000441, 0.0001349) | 0.01568 (0.00862, 0.02578) | 83.3 (41.3, 152.7)         | 0.0000362 (0.0000180, 0.0000664) | 0.00716 (0.00353, 0.01308)  |
| Kalimantan Barat  | Falls                                                    | All | 157.2 (73.3, 270.3)        | 0.000065 (0.0000303, 0.0001118)  | 0.01274 (0.00605, 0.02069) | 106.4 (51.8, 183.0)        | 0.0000463 (0.0000225, 0.0000796) | 0.00914 (0.00451, 0.01522)  |
| Kalimantan Barat  | Interpersonal violence                                   | All | 39.2 (22.1, 60.9)          | 0.0000162 (0.0000091, 0.0000252) | 0.00318 (0.00181, 0.00491) | 25.7 (12.7, 44.7)          | 0.0000112 (0.0000055, 0.0000194) | 0.0022 (0.00115, 0.00372)   |
| Kalimantan Barat  | Self-harm                                                | All | 42.6 (20.3, 83.0)          | 0.0000176 (0.0000084, 0.0000343) | 0.00346 (0.00170, 0.00622) | 22.0 (9.9, 41.8)           | 0.0000096 (0.0000043, 0.0000182) | 0.00189 (0.00085, 0.00359)  |
| Kalimantan Barat  | Transport injuries                                       | All | 638.5 (406.3, 927.9)       | 0.0002641 (0.0001681, 0.0003838) | 0.01274 (0.00605, 0.02069) | 254.9 (151.6, 398.9)       | 0.0001108 (0.0000659, 0.0001734) | 0.0219 (0.01359, 0.03332)   |
| Kalimantan Barat  | Other unintentional injuries                             | All | 217.9 (128.8, 338.7)       | 0.0000901 (0.0000533, 0.0001401) | 0.01769 (0.01051, 0.02690) | 94.2 (52.2, 148.5)         | 0.0000409 (0.0000227, 0.0000646) | 0.00809 (0.00465, 0.01283)  |
| Kalimantan Tengah | Diarrheal diseases                                       | NN  | 5.4 (1.9, 11.3)            | 0.0027841 (0.0009967, 0.0058471) | 0.01244 (0.00609, 0.02214) | 4.9 (1.8, 10.3)            | 0.0026782 (0.0009840, 0.0055938) | 0.01448 (0.00729, 0.02580)  |
| Kalimantan Tengah | Lower respiratory infections                             | NN  | 40.6 (18.0, 74.7)          | 0.0210923 (0.0093702, 0.0388305) | 0.09447 (0.05939, 0.13851) | 26.9 (11.4, 51.9)          | 0.0145952 (0.0061637, 0.0281238) | 0.07869 (0.04901, 0.11505)  |
| Kalimantan Tengah | Malaria                                                  | NN  | 0.4 (0.1, 1.7)             | 0.0002333 (0.0000304, 0.0008909) | 0.00105 (0.00017, 0.00359) | 0.3 (0.0, 1.2)             | 0.0001654 (0.0000215, 0.0006553) | 0.00089 (0.00014, 0.00315)  |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 118.5 (51.4, 215.2)        | 0.0615622 (0.0267287, 0.1118469) | 0.27475 (0.17903, 0.37611) | 87.1 (37.8, 167.8)         | 0.0471812 (0.0204927, 0.0908630) | 0.25476 (0.16549, 0.35737)  |
| Kalimantan Tengah | Preterm birth complications                              | NN  | 92.1 (36.9, 177.4)         | 0.047844 (0.0191792, 0.0922149)  | 0.2138 (0.11805, 0.31993)  | 90.8 (38.8, 172.9)         | 0.0491886 (0.0210102, 0.0936179) | 0.26429 (0.15381, 0.37338)  |
| Kalimantan Tengah | Other neonatal disorders                                 | NN  | 80.9 (24.9, 163.4)         | 0.0420294 (0.0129644, 0.0849013) | 0.18888 (0.07081, 0.30766) | 58.7 (15.5, 131.5)         | 0.031799 (0.0084139, 0.0712192)  | 0.17059 (0.05829, 0.29745)  |
| Kalimantan Tengah | Other communicable diseases                              | NN  | 7.2 (2.5, 15.7)            | 0.0037161 (0.0013023, 0.0081504) | 0.01655 (0.00850, 0.02912) | 4.6 (1.7, 10.1)            | 0.0024934 (0.0008954, 0.0054810) | 0.01347 (0.00652, 0.02517)  |
| Kalimantan Tengah | Other malignant neoplasms                                | NN  | 2.7 (0.9, 6.1)             | 0.0014155 (0.0004690, 0.0031546) | 0.00632 (0.00273, 0.01205) | 2.3 (0.8, 5.5)             | 0.001263 (0.0004179, 0.0029539)  | 0.00686 (0.00316, 0.01318)  |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males               |                                  |                            | Females            |                                  |                            |
|-------------------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                   |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.4)      | 0.0004731 (0.0001061, 0.0012649) | 0.0021 (0.00061, 0.00491)  | 1.0 (0.2, 2.6)     | 0.000543 (0.0001218, 0.0014022)  | 0.00292 (0.00090, 0.00675) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | NN  | 0.7 (0.1, 1.9)      | 0.0003618 (0.0000686, 0.0010094) | 0.00163 (0.00043, 0.00460) | 0.7 (0.2, 2.2)     | 0.0004012 (0.0000837, 0.0011677) | 0.00218 (0.00057, 0.00590) |
| Kalimantan Tengah | Diabetes mellitus                                        | NN  | 0.2 (0.0, 1.6)      | 0.0001025 (0.0000004, 0.0008086) | 0.00048 (0.00000, 0.00374) | 0.5 (0.0, 4.3)     | 0.0002964 (0.0000016, 0.0023261) | 0.00168 (0.00001, 0.01423) |
| Kalimantan Tengah | Other non-communicable diseases                          | NN  | 59.1 (29.4, 96.5)   | 0.0307238 (0.0152882, 0.0501272) | 0.13768 (0.10956, 0.16809) | 57.9 (29.5, 99.4)  | 0.031344 (0.0159746, 0.0538144)  | 0.1688 (0.13683, 0.20144)  |
| Kalimantan Tengah | Drowning                                                 | NN  | 5.0 (1.4, 11.5)     | 0.0025852 (0.0007200, 0.0059783) | 0.0116 (0.00469, 0.02367)  | 1.2 (0.3, 3.0)     | 0.0006681 (0.0001842, 0.0016466) | 0.00365 (0.00134, 0.00834) |
| Kalimantan Tengah | Falls                                                    | NN  | 1.5 (0.4, 3.6)      | 0.0007773 (0.0002037, 0.0018635) | 0.00349 (0.00137, 0.00735) | 0.5 (0.1, 1.3)     | 0.000278 (0.0000785, 0.0007295)  | 0.0015 (0.00055, 0.00340)  |
| Kalimantan Tengah | Interpersonal violence                                   | NN  | 1.6 (0.4, 4.1)      | 0.0008376 (0.0002089, 0.0021312) | 0.00375 (0.00127, 0.00847) | 0.9 (0.3, 2.4)     | 0.00051 (0.0001362, 0.0013214)   | 0.00278 (0.00096, 0.00650) |
| Kalimantan Tengah | Transport injuries                                       | NN  | 2.7 (0.9, 6.3)      | 0.0014242 (0.0004486, 0.0032681) | 0.00639 (0.00243, 0.01256) | 0.7 (0.2, 1.7)     | 0.0003744 (0.0001122, 0.0009123) | 0.00203 (0.00077, 0.00426) |
| Kalimantan Tengah | Other unintentional injuries                             | NN  | 10.6 (3.8, 22.8)    | 0.0055065 (0.0019661, 0.0118452) | 0.02463 (0.01266, 0.04127) | 3.6 (1.3, 7.9)     | 0.0019285 (0.0006959, 0.0042784) | 0.01042 (0.00508, 0.01815) |
| Kalimantan Tengah | Diarrheal diseases                                       | PNN | 76.5 (34.3, 139.9)  | 0.0031848 (0.0014298, 0.0058266) | 0.21789 (0.13775, 0.30063) | 77.2 (34.4, 142.6) | 0.0033504 (0.0014924, 0.0061884) | 0.27371 (0.18554, 0.36378) |
| Kalimantan Tengah | HIV/AIDS                                                 | PNN | 3.2 (0.4, 11.8)     | 0.0001325 (0.0000158, 0.0004914) | 0.00898 (0.00122, 0.02787) | 2.2 (0.3, 7.6)     | 0.0000964 (0.0000109, 0.0003277) | 0.00792 (0.00095, 0.02533) |
| Kalimantan Tengah | Lower respiratory infections                             | PNN | 48.4 (22.0, 85.0)   | 0.0020168 (0.0009158, 0.0035396) | 0.13853 (0.09188, 0.19172) | 33.4 (14.5, 63.1)  | 0.001449 (0.0006298, 0.0027359)  | 0.11882 (0.07666, 0.16818) |
| Kalimantan Tengah | Malaria                                                  | PNN | 6.3 (0.9, 22.9)     | 0.0002632 (0.0000357, 0.0009549) | 0.0181 (0.00313, 0.06135)  | 4.6 (0.7, 15.5)    | 0.0001999 (0.0000306, 0.0006743) | 0.01665 (0.00292, 0.06100) |
| Kalimantan Tengah | Tuberculosis                                             | PNN | 6.5 (1.8, 15.2)     | 0.0002702 (0.0000763, 0.0006331) | 0.01852 (0.00699, 0.03967) | 4.7 (1.3, 11.7)    | 0.0002053 (0.0000557, 0.0005097) | 0.01691 (0.00617, 0.03598) |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 4.4 (1.1, 12.0)     | 0.0001832 (0.0000447, 0.0004991) | 0.01251 (0.00359, 0.03083) | 3.2 (0.8, 9.0)     | 0.0001388 (0.0000335, 0.0003890) | 0.01139 (0.00330, 0.02873) |
| Kalimantan Tengah | Preterm birth complications                              | PNN | 8.5 (2.5, 21.5)     | 0.0003543 (0.0001042, 0.0008970) | 0.02425 (0.00855, 0.05826) | 9.3 (2.7, 22.8)    | 0.0004042 (0.0001176, 0.0009906) | 0.0332 (0.01178, 0.07504)  |
| Kalimantan Tengah | Other neonatal disorders                                 | PNN | 12.8 (2.3, 34.8)    | 0.0005319 (0.0000952, 0.0014493) | 0.03644 (0.00720, 0.09243) | 9.4 (1.4, 29.3)    | 0.0004093 (0.0000596, 0.0012711) | 0.03306 (0.00568, 0.08513) |
| Kalimantan Tengah | Other communicable diseases                              | PNN | 112.4 (53.8, 194.1) | 0.0046794 (0.0022385, 0.0080798) | 0.32009 (0.23576, 0.41157) | 79.0 (35.9, 140.6) | 0.003427 (0.0015591, 0.0061004)  | 0.28136 (0.19564, 0.38260) |
| Kalimantan Tengah | Other malignant neoplasms                                | PNN | 2.1 (0.7, 4.7)      | 0.0000864 (0.0000306, 0.0001948) | 0.00592 (0.00261, 0.01120) | 1.8 (0.7, 4.1)     | 0.0000788 (0.0000284, 0.0001758) | 0.00649 (0.00301, 0.01262) |
| Kalimantan Tengah | Cerebrovascular disease                                  | PNN | 0.7 (0.2, 1.8)      | 0.0000288 (0.0000072, 0.0000733) | 0.00197 (0.00057, 0.00464) | 0.8 (0.2, 2.1)     | 0.000034 (0.0000080, 0.0000895)  | 0.00276 (0.00084, 0.00643) |
| Kalimantan Tengah | Ischemic heart disease                                   | PNN | 0.4 (0.0, 2.0)      | 0.0000171 (0.0000012, 0.0000818) | 0.00118 (0.00009, 0.00557) | 0.5 (0.0, 2.1)     | 0.0000201 (0.0000012, 0.0000908) | 0.00165 (0.00012, 0.00776) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | PNN | 0.5 (0.1, 1.5)      | 0.0000221 (0.0000046, 0.0000621) | 0.00151 (0.00039, 0.00432) | 0.6 (0.1, 1.7)     | 0.0000249 (0.0000056, 0.0000722) | 0.00205 (0.00054, 0.00562) |
| Kalimantan Tengah | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.2)      | 0.0000063 (0.0000000, 0.0000503) | 0.00045 (0.00000, 0.00355) | 0.4 (0.0, 3.1)     | 0.000019 (0.0000001, 0.0001362)  | 0.0016 (0.00001, 0.01379)  |
| Kalimantan Tengah | Chronic kidney disease                                   | PNN | 3.5 (1.3, 7.8)      | 0.0001464 (0.0000537, 0.0003252) | 0.01002 (0.00446, 0.01930) | 3.1 (1.1, 6.8)     | 0.0001354 (0.0000461, 0.0002964) | 0.01112 (0.00506, 0.02110) |
| Kalimantan Tengah | Other non-communicable diseases                          | PNN | 44.8 (21.5, 73.9)   | 0.0018657 (0.0008937, 0.0030768) | 0.12787 (0.10211, 0.15714) | 44.6 (21.4, 77.3)  | 0.0019338 (0.0009298, 0.0033537) | 0.15833 (0.12788, 0.19076) |
| Kalimantan Tengah | Drowning                                                 | PNN | 4.7 (1.5, 10.6)     | 0.0001964 (0.0000618, 0.0004415) | 0.01345 (0.00559, 0.02629) | 1.2 (0.4, 3.0)     | 0.0000523 (0.0000156, 0.0001301) | 0.00429 (0.00162, 0.00943) |
| Kalimantan Tengah | Falls                                                    | PNN | 1.4 (0.4, 3.2)      | 0.0000568 (0.0000174, 0.0001323) | 0.00389 (0.00153, 0.00802) | 0.5 (0.1, 1.2)     | 0.0000207 (0.0000062, 0.0000522) | 0.00169 (0.00063, 0.00380) |
| Kalimantan Tengah | Interpersonal violence                                   | PNN | 1.4 (0.4, 3.5)      | 0.0000596 (0.0000173, 0.0001446) | 0.00409 (0.00144, 0.00897) | 0.9 (0.2, 2.2)     | 0.0000375 (0.0000099, 0.0000965) | 0.00307 (0.00108, 0.00689) |
| Kalimantan Tengah | Transport injuries                                       | PNN | 2.6 (0.8, 5.9)      | 0.0001068 (0.0000342, 0.0002437) | 0.00732 (0.00286, 0.01398) | 0.7 (0.2, 1.7)     | 0.0000288 (0.0000087, 0.0000727) | 0.00236 (0.00092, 0.00477) |
| Kalimantan Tengah | Other unintentional injuries                             | PNN | 9.5 (3.8, 19.1)     | 0.0003943 (0.0001564, 0.0007957) | 0.02701 (0.01430, 0.04413) | 3.2 (1.2, 6.9)     | 0.0001408 (0.0000532, 0.0002988) | 0.01157 (0.00582, 0.01975) |
| Kalimantan Tengah | Diarrheal diseases                                       | 1   | 16.5 (6.3, 36.0)    | 0.000155 (0.0000588, 0.0003380)  | 0.11621 (0.06448, 0.18271) | 18.8 (7.3, 38.0)   | 0.0001827 (0.0000709, 0.0003693) | 0.15967 (0.09395, 0.23606) |
| Kalimantan Tengah | HIV/AIDS                                                 | 1   | 1.6 (0.2, 5.4)      | 0.0000151 (0.0000018, 0.0000502) | 0.01137 (0.00159, 0.03617) | 1.3 (0.1, 4.4)     | 0.0000128 (0.0000014, 0.0000430) | 0.01113 (0.00152, 0.03664) |
| Kalimantan Tengah | Lower respiratory infections                             | 1   | 24.6 (9.6, 50.8)    | 0.0002306 (0.0000902, 0.0004767) | 0.17258 (0.11216, 0.23652) | 19.3 (7.7, 38.4)   | 0.0001879 (0.0000751, 0.0003734) | 0.16449 (0.10581, 0.22821) |
| Kalimantan Tengah | Malaria                                                  | 1   | 1.1 (0.1, 4.1)      | 0.0000107 (0.0000014, 0.0000382) | 0.00781 (0.00146, 0.02682) | 0.9 (0.1, 3.6)     | 0.0000091 (0.0000012, 0.0000352) | 0.00788 (0.00140, 0.02940) |
| Kalimantan Tengah | Tuberculosis                                             | 1   | 3.5 (0.9, 8.6)      | 0.0000328 (0.0000083, 0.0000810) | 0.02476 (0.00946, 0.05145) | 2.9 (0.8, 7.3)     | 0.0000287 (0.0000077, 0.0000708) | 0.02517 (0.00920, 0.05303) |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.1 (0.2, 3.1)      | 0.0000104 (0.0000022, 0.0000292) | 0.0078 (0.00231, 0.01818)  | 0.9 (0.2, 2.4)     | 0.0000084 (0.0000019, 0.0000230) | 0.00743 (0.00211, 0.01761) |
| Kalimantan Tengah | Preterm birth complications                              | 1   | 0.4 (0.1, 1.6)      | 0.0000039 (0.0000005, 0.0000152) | 0.00291 (0.00051, 0.00966) | 0.5 (0.1, 1.8)     | 0.0000048 (0.0000007, 0.0000179) | 0.00418 (0.00075, 0.01389) |
| Kalimantan Tengah | Other neonatal disorders                                 | 1   | 0.5 (0.0, 3.2)      | 0.0000044 (0.0000000, 0.0000305) | 0.00331 (0.00002, 0.02412) | 0.4 (0.0, 2.5)     | 0.0000035 (0.0000000, 0.0000241) | 0.00312 (0.00022, 0.02469) |
| Kalimantan Tengah | Other communicable diseases                              | 1   | 51.1 (20.1, 103.5)  | 0.0004794 (0.0001888, 0.0009704) | 0.35842 (0.28233, 0.43956) | 41.5 (17.7, 78.9)  | 0.0004036 (0.0001724, 0.0007679) | 0.35265 (0.26703, 0.44096) |
| Kalimantan Tengah | Other malignant neoplasms                                | 1   | 0.7 (0.2, 1.8)      | 0.0000067 (0.0000020, 0.0000167) | 0.00504 (0.00219, 0.00979) | 0.8 (0.2, 1.8)     | 0.0000074 (0.0000022, 0.0000177) | 0.00641 (0.00291, 0.01263) |
| Kalimantan Tengah | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.7)      | 0.0000025 (0.0000005, 0.0000066) | 0.00183 (0.00051, 0.00437) | 0.4 (0.1, 0.9)     | 0.0000034 (0.0000008, 0.0000088) | 0.00297 (0.00146, 0.00684) |
| Kalimantan Tengah | Ischemic heart disease                                   | 1   | 0.2 (0.0, 0.8)      | 0.0000015 (0.0000001, 0.0000077) | 0.00111 (0.00008, 0.00538) | 0.2 (0.0, 1.0)     | 0.000002 (0.0000001, 0.0000094)  | 0.0018 (0.00013, 0.00836)  |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)      | 0.0000018 (0.0000004, 0.0000058) | 0.00132 (0.00033, 0.00375) | 0.2 (0.0, 0.8)     | 0.0000024 (0.0000005, 0.0000076) | 0.00207 (0.00055, 0.00556) |
| Kalimantan Tengah | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.4)      | 0.0000005 (0.0000000, 0.0000042) | 0.00038 (0.00000, 0.00297) | 0.2 (0.0, 1.6)     | 0.0000019 (0.0000000, 0.0000154) | 0.00159 (0.00001, 0.01268) |
| Kalimantan Tengah | Chronic kidney disease                                   | 1   | 1.2 (0.4, 2.7)      | 0.000011 (0.0000035, 0.0000252)  | 0.00823 (0.00373, 0.01588) | 1.2 (0.4, 2.8)     | 0.0000121 (0.0000041, 0.0000275) | 0.0106 (0.00490, 0.02033)  |
| Kalimantan Tengah | Cirrhosis                                                | 1   | 1.4 (0.4, 3.8)      | 0.000013 (0.0000033, 0.0000357)  | 0.00971 (0.00348, 0.02161) | 0.9 (0.2, 2.4)     | 0.0000087 (0.0000018, 0.0000238) | 0.00762 (0.00241, 0.01811) |
| Kalimantan Tengah | Chronic respiratory diseases                             | 1   | 2.2 (0.5, 5.8)      | 0.0000206 (0.0000048, 0.0000541) | 0.01543 (0.00552, 0.03144) | 1.0 (0.2, 2.9)     | 0.00001 (0.0000022, 0.0000282)   | 0.00863 (0.00264, 0.02018) |
| Kalimantan Tengah | Other non-communicable diseases                          | 1   | 15.5 (6.2, 32.1)    | 0.0001457 (0.0000582, 0.0003010) | 0.10893 (0.08135, 0.14016) | 18.4 (8.1, 35.1)   | 0.0001788 (0.0000783, 0.0003419) | 0.15626 (0.12166, 0.19365) |
| Kalimantan Tengah | Drowning                                                 | 1   | 6.6 (1.9, 16.0)     | 0.0000619 (0.0000177, 0.0001498) | 0.04639 (0.01949, 0.07944) | 2.1 (0.6, 5.2)     | 0.00002 (0.0000056, 0.0000504)   | 0.0175 (0.00596, 0.03374)  |
| Kalimantan Tengah | Falls                                                    | 1   | 1.3 (0.3, 3.2)      | 0.0000125 (0.0000032, 0.0000297) | 0.00942 (0.00386, 0.01787) | 0.6 (0.1, 1.5)     | 0.0000055 (0.0000014, 0.0000144) | 0.00479 (0.00168, 0.01003) |
| Kalimantan Tengah | Interpersonal violence                                   | 1   | 1.2 (0.3, 2.9)      | 0.0000108 (0.0000026, 0.0000271) | 0.00811 (0.00311, 0.01756) | 0.8 (0.2, 2.2)     | 0.0000082 (0.0000022, 0.0000216) | 0.00712 (0.00258, 0.01591) |
| Kalimantan Tengah | Transport injuries                                       | 1   | 3.2 (1.0, 7.5)      | 0.0000303 (0.0000091, 0.0000705) | 0.02266 (0.01005, 0.04085) | 1.0 (0.3, 2.8)     | 0.00001 (0.0000030, 0.0000268)   | 0.00859 (0.00344, 0.01673) |
| Kalimantan Tengah | Other unintentional injuries                             | 1   | 8.0 (2.6, 18.1)     | 0.0000753 (0.0000248, 0.0001697) | 0.05628 (0.03003, 0.09090) | 3.3 (1.1, 7.5)     | 0.0000325 (0.0000109, 0.0000730) | 0.02831 (0.01403, 0.04823) |
| Kalimantan Tengah | Diarrheal diseases                                       | 5   | 8.1 (4.5, 12.6)     | 0.000061 (0.0000337, 0.0000952)  | 0.08084 (0.04522, 0.12539) | 8.0 (4.6, 12.3)    | 0.000065 (0.0000374, 0.0000999)  | 0.1186 (0.06822, 0.17906)  |
| Kalimantan Tengah | HIV/AIDS                                                 | 5   | 0.5 (0.1, 1.7)      | 0.0000041 (0.0000005, 0.0000131) | 0.00537 (0.00059, 0.01760) | 0.4 (0.0, 1.2)     | 0.000003 (0.0000003, 0.0000102)  | 0.00555 (0.00062, 0.01888) |
| Kalimantan Tengah | Lower respiratory infections                             | 5   | 8.0 (4.6, 12.1)     | 0.0000602 (0.0000347, 0.0000915) | 0.07968 (0.04822, 0.12031) | 5.4 (3.1, 8.5)     | 0.0000443 (0.0000252, 0.0000691) | 0.08066 (0.04723, 0.12574) |
| Kalimantan Tengah | Malaria                                                  | 5   | 0.5 (0.1, 2.0)      | 0.0000041 (0.0000007, 0.0000149) | 0.00543 (0.00096, 0.01900) | 0.4 (0.1, 1.5)     | 0.0000032 (0.0000006, 0.0000119) | 0.00582 (0.00105, 0.02138) |
| Kalimantan Tengah | Tuberculosis                                             | 5   | 1.6 (0.6, 3.4)      | 0.0000122 (0.0000048, 0.0000255) | 0.01624 (0.00651, 0.03290) | 1.2 (0.5, 2.4)     | 0.0000096 (0.0000039, 0.0000199) | 0.0175 (0.00705, 0.03622)  |
| Kalimantan Tengah | Other communicable diseases                              | 5   | 24.7 (18.1, 32.3)   | 0.0001865 (0.0001367, 0.0002437) | 0.24702 (0.18811, 0.31085) | 17.4 (12.7, 22.7)  | 0.0001492 (0.0001033, 0.0001848) | 0.25887 (0.19186, 0.33299) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Other malignant neoplasms                     | 5   | 3.2 (1.6, 5.7)    | 0.000024 (0.0000118, 0.0000430)  | 0.03173 (0.01573, 0.05649) | 2.8 (1.5, 4.9)    | 0.0000231 (0.0000120, 0.0000403) | 0.04212 (0.02201, 0.07354) |
| Kalimantan Tengah | Cerebrovascular disease                       | 5   | 0.8 (0.3, 1.6)    | 0.0000059 (0.0000024, 0.0000117) | 0.00781 (0.00320, 0.01542) | 0.9 (0.4, 1.7)    | 0.0000072 (0.0000031, 0.0000135) | 0.01306 (0.00574, 0.02472) |
| Kalimantan Tengah | Ischemic heart disease                        | 5   | 0.5 (0.2, 1.2)    | 0.0000041 (0.0000014, 0.0000087) | 0.00538 (0.00193, 0.01161) | 0.6 (0.2, 1.2)    | 0.0000049 (0.0000018, 0.0000101) | 0.00893 (0.00338, 0.01833) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 5   | 0.6 (0.2, 1.5)    | 0.0000048 (0.0000016, 0.0000115) | 0.00635 (0.00229, 0.01491) | 0.7 (0.2, 1.5)    | 0.0000056 (0.0000020, 0.0000126) | 0.01013 (0.00371, 0.02326) |
| Kalimantan Tengah | Diabetes mellitus                             | 5   | 0.5 (0.2, 1.1)    | 0.0000035 (0.0000012, 0.0000082) | 0.00464 (0.00161, 0.01081) | 1.5 (0.5, 3.4)    | 0.0000118 (0.0000040, 0.0000279) | 0.02158 (0.00767, 0.04995) |
| Kalimantan Tengah | Chronic kidney disease                        | 5   | 1.8 (0.9, 3.2)    | 0.0000132 (0.0000065, 0.0000245) | 0.01754 (0.00855, 0.03197) | 1.6 (0.8, 2.8)    | 0.0000129 (0.0000065, 0.0000227) | 0.0236 (0.01227, 0.04095)  |
| Kalimantan Tengah | Cirrhosis                                     | 5   | 2.6 (1.3, 4.6)    | 0.0000199 (0.0000097, 0.0000350) | 0.02642 (0.01293, 0.04526) | 1.5 (0.6, 3.1)    | 0.0000123 (0.0000047, 0.0000255) | 0.02234 (0.00863, 0.04492) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 5   | 1.2 (0.5, 2.5)    | 0.0000094 (0.0000037, 0.0000187) | 0.01245 (0.00507, 0.02485) | 0.5 (0.2, 1.0)    | 0.0000039 (0.0000015, 0.0000083) | 0.00714 (0.00267, 0.01484) |
| Kalimantan Tengah | Other non-communicable diseases               | 5   | 10.0 (6.7, 13.6)  | 0.0000754 (0.0000510, 0.0001027) | 0.09985 (0.07021, 0.13282) | 10.0 (7.3, 13.1)  | 0.0000818 (0.0000592, 0.0001070) | 0.14901 (0.10711, 0.19224) |
| Kalimantan Tengah | Drowning                                      | 5   | 17.6 (10.1, 25.9) | 0.0001329 (0.0000763, 0.0001956) | 0.17599 (0.10253, 0.24487) | 6.8 (3.3, 10.8)   | 0.0000554 (0.0000271, 0.0000882) | 0.10098 (0.04956, 0.15974) |
| Kalimantan Tengah | Falls                                         | 5   | 2.0 (0.9, 3.8)    | 0.0000147 (0.0000065, 0.0000285) | 0.01954 (0.00864, 0.03733) | 0.9 (0.4, 1.8)    | 0.0000075 (0.0000032, 0.0000144) | 0.01361 (0.00574, 0.02590) |
| Kalimantan Tengah | Interpersonal violence                        | 5   | 0.8 (0.3, 1.6)    | 0.0000057 (0.0000023, 0.0000121) | 0.00752 (0.00314, 0.01653) | 0.6 (0.2, 1.3)    | 0.000005 (0.0000020, 0.0000108)  | 0.00904 (0.00360, 0.01954) |
| Kalimantan Tengah | Transport injuries                            | 5   | 9.0 (4.8, 14.8)   | 0.0000676 (0.0000365, 0.0001115) | 0.08951 (0.04888, 0.14168) | 3.3 (1.6, 5.8)    | 0.0000269 (0.0000131, 0.0000474) | 0.04911 (0.02442, 0.08462) |
| Kalimantan Tengah | Other unintentional injuries                  | 5   | 6.1 (3.1, 10.2)   | 0.0000458 (0.0000238, 0.0000773) | 0.06068 (0.03228, 0.10021) | 2.9 (1.4, 5.1)    | 0.0000233 (0.0000113, 0.0000417) | 0.04235 (0.02054, 0.07378) |
| Kalimantan Tengah | Diarrheal diseases                            | 10  | 3.6 (1.8, 6.4)    | 0.0000313 (0.0000152, 0.0000548) | 0.04069 (0.01952, 0.07110) | 3.5 (1.8, 6.0)    | 0.0000325 (0.0000164, 0.0000554) | 0.06057 (0.03056, 0.10014) |
| Kalimantan Tengah | HIV/AIDS                                      | 10  | 0.5 (0.1, 1.7)    | 0.0000044 (0.0000007, 0.0000143) | 0.00576 (0.00087, 0.01817) | 0.4 (0.0, 1.2)    | 0.0000032 (0.0000005, 0.0000109) | 0.00605 (0.00085, 0.02055) |
| Kalimantan Tengah | Lower respiratory infections                  | 10  | 5.0 (2.5, 8.4)    | 0.0000427 (0.0000212, 0.0000724) | 0.05543 (0.02747, 0.09262) | 3.3 (1.6, 5.5)    | 0.00003 (0.0000144, 0.0000506)   | 0.05576 (0.02656, 0.09335) |
| Kalimantan Tengah | Malaria                                       | 10  | 1.0 (0.2, 3.2)    | 0.0000084 (0.0000017, 0.0000271) | 0.01097 (0.00217, 0.03496) | 0.7 (0.1, 2.2)    | 0.0000064 (0.0000013, 0.0000205) | 0.01193 (0.00243, 0.03876) |
| Kalimantan Tengah | Tuberculosis                                  | 10  | 3.4 (1.6, 6.0)    | 0.0000297 (0.0000137, 0.0000516) | 0.03856 (0.01751, 0.06804) | 2.4 (1.2, 4.3)    | 0.0000224 (0.0000107, 0.0000393) | 0.04163 (0.01997, 0.07220) |
| Kalimantan Tengah | Maternal disorders                            | 10  |                   |                                  |                            | 0.2 (0.0, 0.6)    | 0.0000019 (0.0000003, 0.0000055) | 0.00354 (0.00061, 0.01027) |
| Kalimantan Tengah | Other communicable diseases                   | 10  | 17.1 (12.3, 22.6) | 0.0001472 (0.0001058, 0.0001939) | 0.19117 (0.13786, 0.25369) | 11.6 (8.1, 15.6)  | 0.0001069 (0.0000747, 0.0001433) | 0.19884 (0.14260, 0.26752) |
| Kalimantan Tengah | Other malignant neoplasms                     | 10  | 4.2 (2.3, 6.8)    | 0.0000357 (0.0000194, 0.0000584) | 0.04636 (0.02496, 0.07486) | 3.7 (2.1, 5.9)    | 0.0000342 (0.0000190, 0.0000545) | 0.06351 (0.03570, 0.10136) |
| Kalimantan Tengah | Cerebrovascular disease                       | 10  | 1.2 (0.6, 2.0)    | 0.0000099 (0.0000049, 0.0000174) | 0.01285 (0.00633, 0.02264) | 1.2 (0.6, 2.1)    | 0.0000113 (0.0000059, 0.0000193) | 0.02098 (0.01103, 0.03470) |
| Kalimantan Tengah | Ischemic heart disease                        | 10  | 1.2 (0.6, 2.1)    | 0.0000102 (0.0000050, 0.0000177) | 0.01325 (0.00660, 0.02260) | 1.2 (0.6, 2.1)    | 0.0000114 (0.0000059, 0.0000190) | 0.02116 (0.01085, 0.03545) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 10  | 0.9 (0.4, 1.8)    | 0.0000073 (0.0000032, 0.0000155) | 0.00951 (0.00424, 0.02024) | 0.9 (0.4, 1.8)    | 0.0000081 (0.0000037, 0.0000162) | 0.01508 (0.00687, 0.03133) |
| Kalimantan Tengah | Diabetes mellitus                             | 10  | 0.6 (0.3, 1.1)    | 0.0000051 (0.0000024, 0.0000094) | 0.00667 (0.00320, 0.01224) | 1.8 (0.8, 3.4)    | 0.0000168 (0.0000077, 0.0000315) | 0.03117 (0.01436, 0.05766) |
| Kalimantan Tengah | Chronic kidney disease                        | 10  | 2.2 (1.3, 3.6)    | 0.0000191 (0.0000113, 0.0000306) | 0.02486 (0.01460, 0.03912) | 2.0 (1.2, 3.0)    | 0.0000181 (0.0000108, 0.0000279) | 0.03362 (0.01999, 0.05079) |
| Kalimantan Tengah | Cirrhosis                                     | 10  | 2.8 (1.6, 4.5)    | 0.000024 (0.0000136, 0.0000390)  | 0.03117 (0.01764, 0.05039) | 1.5 (0.7, 3.1)    | 0.0000142 (0.0000063, 0.0000288) | 0.0264 (0.01162, 0.05193)  |
| Kalimantan Tengah | Chronic respiratory diseases                  | 10  | 2.2 (1.0, 3.8)    | 0.0000185 (0.0000089, 0.0000328) | 0.02403 (0.01185, 0.04079) | 0.8 (0.4, 1.6)    | 0.0000078 (0.0000036, 0.0000149) | 0.01452 (0.00678, 0.02734) |
| Kalimantan Tengah | Other non-communicable diseases               | 10  | 10.5 (7.6, 13.7)  | 0.0000903 (0.0000650, 0.0001180) | 0.11726 (0.08637, 0.15004) | 10.0 (7.5, 12.9)  | 0.0000921 (0.0000695, 0.0001191) | 0.17133 (0.12982, 0.21550) |
| Kalimantan Tengah | Drowning                                      | 10  | 9.8 (5.3, 15.5)   | 0.000084 (0.0000453, 0.0001333)  | 0.10899 (0.05908, 0.17081) | 3.3 (1.5, 6.1)    | 0.0000304 (0.0000140, 0.0000562) | 0.05655 (0.02574, 0.10371) |
| Kalimantan Tengah | Falls                                         | 10  | 1.8 (0.8, 3.5)    | 0.0000151 (0.0000066, 0.0000297) | 0.01968 (0.00862, 0.03891) | 0.8 (0.3, 1.6)    | 0.000007 (0.0000029, 0.0000146)  | 0.01298 (0.00556, 0.02666) |
| Kalimantan Tengah | Interpersonal violence                        | 10  | 1.2 (0.6, 2.2)    | 0.0000099 (0.0000051, 0.0000188) | 0.0129 (0.00663, 0.02395)  | 0.9 (0.4, 1.7)    | 0.000008 (0.0000036, 0.0000153)  | 0.01494 (0.00678, 0.02762) |
| Kalimantan Tengah | Self-harm                                     | 10  | 1.1 (0.4, 2.3)    | 0.0000094 (0.0000035, 0.0000200) | 0.01218 (0.00458, 0.02565) | 0.7 (0.3, 1.5)    | 0.0000065 (0.0000024, 0.0000139) | 0.01209 (0.00436, 0.02659) |
| Kalimantan Tengah | Transport injuries                            | 10  | 13.5 (8.3, 19.4)  | 0.0001161 (0.0000715, 0.0001667) | 0.15071 (0.09578, 0.21588) | 4.8 (2.7, 7.6)    | 0.0000444 (0.0000245, 0.0000704) | 0.08262 (0.04649, 0.13047) |
| Kalimantan Tengah | Other unintentional injuries                  | 10  | 6.0 (3.3, 9.6)    | 0.0000516 (0.0000288, 0.0000826) | 0.067 (0.03812, 0.10469)   | 2.6 (1.3, 4.4)    | 0.0000241 (0.0000121, 0.0000406) | 0.04473 (0.02308, 0.07536) |
| Kalimantan Tengah | Diarrheal diseases                            | 15  | 2.5 (1.0, 4.7)    | 0.0000232 (0.0000089, 0.0000428) | 0.01779 (0.00750, 0.03292) | 1.0 (0.4, 2.0)    | 0.00001 (0.0000038, 0.0000190)   | 0.0115 (0.00443, 0.02221)  |
| Kalimantan Tengah | HIV/AIDS                                      | 15  | 0.6 (0.1, 2.2)    | 0.0000057 (0.0000007, 0.0000197) | 0.0044 (0.00059, 0.01468)  | 0.2 (0.0, 0.7)    | 0.0000018 (0.0000002, 0.0000063) | 0.00204 (0.00025, 0.00705) |
| Kalimantan Tengah | Lower respiratory infections                  | 15  | 3.3 (1.2, 6.7)    | 0.0000302 (0.0000111, 0.0000611) | 0.02312 (0.00908, 0.04418) | 0.9 (0.3, 1.8)    | 0.0000082 (0.0000030, 0.0000170) | 0.00953 (0.00351, 0.01963) |
| Kalimantan Tengah | Malaria                                       | 15  | 2.8 (0.6, 7.5)    | 0.0000258 (0.0000058, 0.0000686) | 0.01987 (0.00463, 0.05354) | 0.8 (0.2, 2.4)    | 0.000008 (0.0000017, 0.0000232)  | 0.0093 (0.00195, 0.02710)  |
| Kalimantan Tengah | Tuberculosis                                  | 15  | 8.0 (4.5, 13.0)   | 0.0000735 (0.0000413, 0.0001189) | 0.05656 (0.03301, 0.08703) | 2.2 (1.2, 3.7)    | 0.000021 (0.0000112, 0.0000359)  | 0.02424 (0.01289, 0.04027) |
| Kalimantan Tengah | Maternal disorders                            | 15  |                   |                                  |                            | 12.9 (8.6, 17.9)  | 0.0001239 (0.0000830, 0.0001726) | 0.14324 (0.09787, 0.19740) |
| Kalimantan Tengah | Other communicable diseases                   | 15  | 14.9 (8.5, 22.3)  | 0.0001358 (0.0000779, 0.0002036) | 0.10439 (0.06248, 0.15014) | 4.2 (2.1, 7.2)    | 0.0000402 (0.0000202, 0.0000694) | 0.04656 (0.02369, 0.07925) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 15  | 0.9 (0.2, 2.3)    | 0.0000082 (0.0000020, 0.0000213) | 0.00626 (0.00150, 0.01625) | 0.3 (0.1, 0.8)    | 0.0000031 (0.0000006, 0.0000078) | 0.00353 (0.00076, 0.00921) |
| Kalimantan Tengah | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000010) | 0.00018 (0.00002, 0.00073) | 0.8 (0.2, 2.0)    | 0.0000076 (0.0000017, 0.0000193) | 0.00871 (0.00195, 0.02259) |
| Kalimantan Tengah | Cervical cancer                               | 15  |                   |                                  |                            | 0.9 (0.1, 2.7)    | 0.0000084 (0.0000013, 0.0000260) | 0.00974 (0.00146, 0.03039) |
| Kalimantan Tengah | Other malignant neoplasms                     | 15  | 5.4 (2.8, 9.1)    | 0.0000494 (0.0000252, 0.0000828) | 0.038 (0.02089, 0.05917)   | 5.0 (2.5, 8.3)    | 0.0000484 (0.0000236, 0.0000796) | 0.05599 (0.02679, 0.09249) |
| Kalimantan Tengah | Cerebrovascular disease                       | 15  | 2.4 (1.2, 4.1)    | 0.0000223 (0.0000112, 0.0000373) | 0.01719 (0.00899, 0.02818) | 2.3 (1.2, 3.8)    | 0.0000224 (0.0000119, 0.0000367) | 0.02596 (0.01314, 0.04232) |
| Kalimantan Tengah | Ischemic heart disease                        | 15  | 4.4 (2.4, 7.1)    | 0.0000401 (0.0000222, 0.0000652) | 0.03076 (0.01841, 0.04725) | 3.4 (2.0, 5.4)    | 0.0000331 (0.0000188, 0.0000517) | 0.03824 (0.02225, 0.05878) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 15  | 1.5 (0.6, 3.2)    | 0.0000138 (0.0000056, 0.0000290) | 0.0106 (0.00472, 0.02111)  | 1.6 (0.7, 3.1)    | 0.000015 (0.0000063, 0.0000301)  | 0.01736 (0.00727, 0.03337) |
| Kalimantan Tengah | Diabetes mellitus                             | 15  | 1.1 (0.5, 2.0)    | 0.00001 (0.0000048, 0.0000181)   | 0.0077 (0.00404, 0.01309)  | 3.3 (1.6, 5.8)    | 0.000032 (0.0000151, 0.0000561)  | 0.037 (0.01829, 0.06489)   |
| Kalimantan Tengah | Chronic kidney disease                        | 15  | 3.7 (2.2, 5.9)    | 0.0000342 (0.0000206, 0.0000540) | 0.02636 (0.01632, 0.04112) | 3.3 (2.0, 5.1)    | 0.0000322 (0.0000190, 0.0000495) | 0.03722 (0.02265, 0.05666) |
| Kalimantan Tengah | Cirrhosis                                     | 15  | 3.9 (2.1, 6.6)    | 0.000036 (0.0000190, 0.0000603)  | 0.0277 (0.01535, 0.04500)  | 2.2 (1.0, 4.3)    | 0.0000212 (0.0000092, 0.0000416) | 0.02447 (0.01077, 0.04811) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 15  | 2.2 (1.0, 3.9)    | 0.0000198 (0.0000089, 0.0000353) | 0.0152 (0.00720, 0.02624)  | 1.1 (0.5, 2.0)    | 0.0000102 (0.0000044, 0.0000191) | 0.01178 (0.00525, 0.02161) |
| Kalimantan Tengah | Other non-communicable diseases               | 15  | 14.3 (9.6, 19.9)  | 0.0001308 (0.0000882, 0.0001821) | 0.10064 (0.07355, 0.12869) | 12.8 (9.2, 17.1)  | 0.0001235 (0.0000886, 0.0001649) | 0.14281 (0.10518, 0.18272) |
| Kalimantan Tengah | Drowning                                      | 15  | 6.6 (3.0, 12.7)   | 0.0000603 (0.0000271, 0.0001161) | 0.04629 (0.02155, 0.08249) | 2.2 (0.9, 4.4)    | 0.0000207 (0.0000082, 0.0000427) | 0.02393 (0.00937, 0.04822) |
| Kalimantan Tengah | Falls                                         | 15  | 2.0 (0.9, 3.9)    | 0.0000181 (0.0000081, 0.0000358) | 0.0139 (0.00674, 0.02679)  | 0.9 (0.4, 1.8)    | 0.0000083 (0.0000037, 0.0000169) | 0.00966 (0.00432, 0.01987) |
| Kalimantan Tengah | Interpersonal violence                        | 15  | 3.2 (1.7, 5.8)    | 0.0000295 (0.0000152, 0.0000533) | 0.02269 (0.01248, 0.03812) | 2.5 (1.1, 4.7)    | 0.0000243 (0.0000109, 0.0000456) | 0.02802 (0.01293, 0.05169) |
| Kalimantan Tengah | Self-harm                                     | 15  | 2.6 (1.1, 4.8)    | 0.0000239 (0.0000100, 0.0000442) | 0.01832 (0.00812, 0.03368) | 1.7 (0.7, 3.4)    | 0.0000167 (0.0000069, 0.0000329) | 0.01934 (0.00826, 0.03688) |
| Kalimantan Tengah | Transport injuries                            | 15  | 45.1 (32.2, 60.6) | 0.0004126 (0.0002947, 0.0005542) | 0.31702 (0.24967, 0.37904) | 18.6 (13.0, 25.1) | 0.000179 (0.0001248, 0.0002418)  | 0.20699 (0.14786, 0.27199) |
| Kalimantan Tengah | Other unintentional injuries                  | 15  | 10.7 (6.0, 17.0)  | 0.0000977 (0.0000552, 0.0001554) | 0.07506 (0.04562, 0.11385) | 4.7 (2.5, 7.6)    | 0.0000457 (0.0000243, 0.0000728) | 0.05283 (0.02831, 0.08437) |



Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Diarrheal diseases                            | 20  | 3.0 (1.2, 5.7)    | 0.0000264 (0.0000111, 0.0000506) | 0.01556 (0.00677, 0.02903) | 2.0 (0.9, 3.6)    | 0.000018 (0.0000077, 0.0000326)  | 0.0163 (0.00712, 0.02931)  |
| Kalimantan Tengah | HIV/AIDS                                      | 20  | 2.6 (0.4, 7.7)    | 0.0000235 (0.0000037, 0.0000688) | 0.01379 (0.00225, 0.04012) | 1.2 (0.2, 3.8)    | 0.0000109 (0.0000017, 0.0000347) | 0.00986 (0.00154, 0.03031) |
| Kalimantan Tengah | Lower respiratory infections                  | 20  | 4.3 (1.4, 9.1)    | 0.0000381 (0.0000126, 0.0000806) | 0.02236 (0.00768, 0.04346) | 1.6 (0.5, 3.2)    | 0.0000144 (0.0000049, 0.0000291) | 0.01306 (0.00456, 0.02652) |
| Kalimantan Tengah | Malaria                                       | 20  | 4.0 (0.9, 10.6)   | 0.0000352 (0.0000077, 0.0000944) | 0.02075 (0.00461, 0.05378) | 1.9 (0.4, 5.2)    | 0.0000173 (0.0000058, 0.0000470) | 0.01559 (0.00339, 0.04223) |
| Kalimantan Tengah | Tuberculosis                                  | 20  | 19.9 (12.1, 30.4) | 0.0001771 (0.0001079, 0.0002709) | 0.1044 (0.06865, 0.14806)  | 7.4 (4.3, 11.5)   | 0.0000671 (0.0000390, 0.0001038) | 0.06068 (0.03647, 0.09126) |
| Kalimantan Tengah | Maternal disorders                            | 20  |                   |                                  |                            | 13.0 (8.1, 19.4)  | 0.0001171 (0.0000732, 0.0001747) | 0.10593 (0.06884, 0.15138) |
| Kalimantan Tengah | Other communicable diseases                   | 20  | 23.0 (13.5, 35.3) | 0.0002044 (0.0001203, 0.0003141) | 0.12039 (0.07680, 0.17237) | 10.7 (6.2, 16.1)  | 0.0000963 (0.0000558, 0.0001457) | 0.08696 (0.05246, 0.12900) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 20  | 0.8 (0.2, 2.2)    | 0.0000067 (0.0000014, 0.0000199) | 0.00397 (0.00086, 0.01186) | 0.6 (0.2, 1.6)    | 0.0000057 (0.0000015, 0.0000149) | 0.00516 (0.00135, 0.01289) |
| Kalimantan Tengah | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000003 (0.0000001, 0.0000010) | 0.00019 (0.00003, 0.00058) | 2.8 (1.0, 5.6)    | 0.000025 (0.0000089, 0.0000505)  | 0.02255 (0.00770, 0.04439) |
| Kalimantan Tengah | Cervical cancer                               | 20  |                   |                                  |                            | 1.9 (0.4, 4.7)    | 0.0000168 (0.0000034, 0.0000422) | 0.01521 (0.00298, 0.03894) |
| Kalimantan Tengah | Other malignant neoplasms                     | 20  | 5.6 (2.9, 9.5)    | 0.00005 (0.0000259, 0.0000850)   | 0.02952 (0.01606, 0.04922) | 6.5 (2.8, 11.4)   | 0.0000587 (0.0000257, 0.0001033) | 0.05307 (0.02420, 0.09091) |
| Kalimantan Tengah | Cerebrovascular disease                       | 20  | 5.2 (3.0, 8.6)    | 0.0000467 (0.0000267, 0.0000765) | 0.02754 (0.01720, 0.04136) | 4.7 (2.9, 7.1)    | 0.0000426 (0.0000259, 0.0000640) | 0.03847 (0.02462, 0.05731) |
| Kalimantan Tengah | Ischemic heart disease                        | 20  | 8.9 (5.3, 14.1)   | 0.0000789 (0.0000471, 0.0001259) | 0.0465 (0.02965, 0.06913)  | 5.2 (3.1, 8.3)    | 0.0000472 (0.0000282, 0.0000752) | 0.04257 (0.02615, 0.06412) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 20  | 2.6 (1.1, 4.9)    | 0.0000229 (0.0000094, 0.0000436) | 0.01345 (0.00609, 0.02477) | 2.8 (1.3, 5.2)    | 0.0000255 (0.0000119, 0.0000472) | 0.02305 (0.01108, 0.04166) |
| Kalimantan Tengah | Diabetes mellitus                             | 20  | 1.2 (0.6, 1.9)    | 0.0000105 (0.0000050, 0.0000173) | 0.00623 (0.00309, 0.00997) | 3.9 (1.8, 6.7)    | 0.0000348 (0.0000166, 0.0000607) | 0.03143 (0.01531, 0.05328) |
| Kalimantan Tengah | Chronic kidney disease                        | 20  | 6.4 (3.9, 10.1)   | 0.0000571 (0.0000346, 0.0000895) | 0.03366 (0.02131, 0.05008) | 6.0 (3.8, 8.9)    | 0.000054 (0.0000344, 0.0000803)  | 0.04881 (0.03153, 0.07088) |
| Kalimantan Tengah | Cirrhosis                                     | 20  | 7.3 (4.1, 11.9)   | 0.000065 (0.0000364, 0.0001059)  | 0.03833 (0.02229, 0.06026) | 4.3 (1.9, 8.4)    | 0.0000392 (0.0000168, 0.0000763) | 0.03536 (0.01554, 0.06703) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 20  | 5.3 (2.6, 9.2)    | 0.0000471 (0.0000230, 0.0000819) | 0.0277 (0.01461, 0.04529)  | 3.4 (1.6, 5.8)    | 0.0000304 (0.0000146, 0.0000521) | 0.02743 (0.01397, 0.04501) |
| Kalimantan Tengah | Other non-communicable diseases               | 20  | 15.4 (10.3, 22.7) | 0.000137 (0.0000914, 0.0002017)  | 0.08083 (0.05762, 0.10774) | 13.9 (10.0, 19.3) | 0.0001259 (0.0000902, 0.0001744) | 0.11383 (0.08388, 0.14768) |
| Kalimantan Tengah | Drowning                                      | 20  | 6.4 (2.5, 12.8)   | 0.0000572 (0.0000219, 0.0001142) | 0.03365 (0.01356, 0.06406) | 1.9 (0.6, 3.9)    | 0.000017 (0.0000059, 0.0000348)  | 0.01534 (0.00553, 0.03121) |
| Kalimantan Tengah | Falls                                         | 20  | 2.5 (1.1, 4.8)    | 0.0000221 (0.0000095, 0.0000429) | 0.01302 (0.00592, 0.02449) | 1.0 (0.4, 2.0)    | 0.0000089 (0.0000038, 0.0000177) | 0.008 (0.00337, 0.01636)   |
| Kalimantan Tengah | Interpersonal violence                        | 20  | 4.3 (2.2, 7.8)    | 0.0000383 (0.0000200, 0.0000696) | 0.02258 (0.01248, 0.03840) | 2.9 (1.4, 5.5)    | 0.0000266 (0.0000124, 0.0000494) | 0.02404 (0.01110, 0.04319) |
| Kalimantan Tengah | Self-harm                                     | 20  | 2.9 (1.3, 5.7)    | 0.000026 (0.0000114, 0.0000509)  | 0.01528 (0.00706, 0.02832) | 1.7 (0.7, 3.4)    | 0.0000154 (0.0000065, 0.0000307) | 0.01391 (0.00592, 0.02688) |
| Kalimantan Tengah | Transport injuries                            | 20  | 45.2 (29.7, 64.8) | 0.000402 (0.0002647, 0.0005765)  | 0.23662 (0.17045, 0.29670) | 15.7 (9.8, 22.8)  | 0.0001416 (0.0000886, 0.0002055) | 0.12805 (0.08320, 0.17921) |
| Kalimantan Tengah | Other unintentional injuries                  | 20  | 14.1 (7.9, 23.0)  | 0.0001252 (0.0000703, 0.0002051) | 0.07369 (0.04522, 0.10971) | 5.6 (2.9, 9.0)    | 0.0000502 (0.0000258, 0.0000814) | 0.04536 (0.02403, 0.07308) |
| Kalimantan Tengah | Diarrheal diseases                            | 25  | 5.0 (2.4, 9.7)    | 0.0000402 (0.0000188, 0.0000773) | 0.0202 (0.00957, 0.03792)  | 3.6 (1.7, 6.5)    | 0.0000305 (0.0000144, 0.0000552) | 0.02193 (0.01069, 0.03877) |
| Kalimantan Tengah | HIV/AIDS                                      | 25  | 5.7 (1.0, 15.3)   | 0.0000458 (0.0000081, 0.0001221) | 0.02305 (0.00417, 0.06217) | 2.7 (0.5, 7.8)    | 0.0000233 (0.0000041, 0.0000657) | 0.01671 (0.00281, 0.04749) |
| Kalimantan Tengah | Lower respiratory infections                  | 25  | 5.2 (1.7, 11.1)   | 0.0000414 (0.0000135, 0.0000885) | 0.02081 (0.00704, 0.04175) | 2.1 (0.7, 4.5)    | 0.0000177 (0.0000057, 0.0000378) | 0.01276 (0.00440, 0.02677) |
| Kalimantan Tengah | Malaria                                       | 25  | 5.1 (1.1, 14.1)   | 0.0000409 (0.0000091, 0.0001127) | 0.02059 (0.00488, 0.05579) | 2.5 (0.5, 6.7)    | 0.0000209 (0.0000043, 0.0000569) | 0.01505 (0.00322, 0.04198) |
| Kalimantan Tengah | Tuberculosis                                  | 25  | 32.1 (20.3, 46.9) | 0.0002558 (0.0001618, 0.0003743) | 0.12899 (0.08762, 0.18049) | 12.0 (7.0, 18.6)  | 0.000102 (0.0000590, 0.0001579)  | 0.07325 (0.04448, 0.10785) |
| Kalimantan Tengah | Maternal disorders                            | 25  |                   |                                  |                            | 16.4 (10.4, 24.9) | 0.0001388 (0.0000079, 0.0002106) | 0.09984 (0.06547, 0.14369) |
| Kalimantan Tengah | Other communicable diseases                   | 25  | 28.9 (17.8, 43.9) | 0.0002306 (0.0001423, 0.0003499) | 0.11622 (0.07387, 0.16577) | 14.6 (8.4, 22.5)  | 0.0001235 (0.0000714, 0.0001905) | 0.08868 (0.05530, 0.13000) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 25  | 1.0 (0.2, 3.0)    | 0.0000078 (0.0000015, 0.0000241) | 0.00396 (0.00081, 0.01167) | 1.0 (0.2, 2.6)    | 0.0000083 (0.0000021, 0.0000216) | 0.00598 (0.00161, 0.01479) |
| Kalimantan Tengah | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000011) | 0.00019 (0.00004, 0.00059) | 6.2 (2.6, 11.5)   | 0.0000527 (0.0000219, 0.0000974) | 0.03781 (0.01518, 0.06900) |
| Kalimantan Tengah | Cervical cancer                               | 25  |                   |                                  |                            | 3.4 (0.8, 8.3)    | 0.0000292 (0.0000064, 0.0000703) | 0.021 (0.00477, 0.04895)   |
| Kalimantan Tengah | Other malignant neoplasms                     | 25  | 9.8 (5.4, 16.2)   | 0.0000785 (0.0000428, 0.0001296) | 0.03959 (0.02209, 0.06308) | 8.1 (3.4, 15.1)   | 0.0000686 (0.0000287, 0.0001277) | 0.04932 (0.02140, 0.08643) |
| Kalimantan Tengah | Cerebrovascular disease                       | 25  | 10.7 (6.8, 16.0)  | 0.0000856 (0.0000540, 0.0001277) | 0.04315 (0.02869, 0.06080) | 9.1 (5.9, 13.1)   | 0.0000772 (0.0000500, 0.0001110) | 0.05549 (0.03765, 0.07581) |
| Kalimantan Tengah | Ischemic heart disease                        | 25  | 18.5 (12.2, 27.4) | 0.0001476 (0.0000971, 0.0002186) | 0.07431 (0.05118, 0.10108) | 10.0 (5.9, 15.4)  | 0.0000846 (0.0000501, 0.0001305) | 0.06069 (0.03969, 0.08744) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 25  | 4.0 (1.9, 7.2)    | 0.0000321 (0.0000149, 0.0000578) | 0.01613 (0.00781, 0.02810) | 4.1 (2.0, 7.4)    | 0.0000351 (0.0000168, 0.0000626) | 0.02516 (0.01301, 0.04367) |
| Kalimantan Tengah | Diabetes mellitus                             | 25  | 2.4 (1.3, 3.7)    | 0.0000193 (0.0000107, 0.0000295) | 0.00976 (0.00562, 0.01448) | 7.1 (3.6, 11.9)   | 0.0000599 (0.0000303, 0.0001005) | 0.04301 (0.02326, 0.07042) |
| Kalimantan Tengah | Chronic kidney disease                        | 25  | 8.9 (5.7, 13.3)   | 0.0000707 (0.0000457, 0.0001057) | 0.03563 (0.02408, 0.05100) | 7.4 (4.7, 11.0)   | 0.0000624 (0.0000401, 0.0000932) | 0.04488 (0.03078, 0.06260) |
| Kalimantan Tengah | Cirrhosis                                     | 25  | 12.1 (7.4, 19.3)  | 0.0000965 (0.0000590, 0.0001543) | 0.04866 (0.03027, 0.07359) | 6.8 (3.0, 13.1)   | 0.0000573 (0.0000256, 0.0001111) | 0.04112 (0.01895, 0.07550) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 25  | 8.3 (4.1, 14.0)   | 0.000066 (0.0000331, 0.0001115)  | 0.03321 (0.01757, 0.05262) | 4.8 (2.3, 8.3)    | 0.0000408 (0.0000197, 0.0000706) | 0.02923 (0.01506, 0.04717) |
| Kalimantan Tengah | Other non-communicable diseases               | 25  | 20.9 (14.5, 29.8) | 0.0001666 (0.0001154, 0.0002381) | 0.08398 (0.05955, 0.11051) | 17.8 (12.1, 24.8) | 0.000151 (0.0001023, 0.0002105)  | 0.10848 (0.08047, 0.14154) |
| Kalimantan Tengah | Drowning                                      | 25  | 4.7 (1.7, 10.0)   | 0.0000372 (0.0000135, 0.0000800) | 0.0187 (0.00711, 0.03813)  | 1.4 (0.5, 3.0)    | 0.0000116 (0.0000039, 0.0000255) | 0.0083 (0.00284, 0.01777)  |
| Kalimantan Tengah | Falls                                         | 25  | 3.9 (1.8, 7.3)    | 0.0000309 (0.0000140, 0.0000579) | 0.01559 (0.00711, 0.02873) | 1.5 (0.7, 2.8)    | 0.0000126 (0.0000056, 0.0000240) | 0.00908 (0.00414, 0.01722) |
| Kalimantan Tengah | Interpersonal violence                        | 25  | 5.0 (2.6, 8.7)    | 0.0000396 (0.0000211, 0.0000691) | 0.01996 (0.01099, 0.03443) | 2.9 (1.3, 5.5)    | 0.0000249 (0.0000114, 0.0000465) | 0.01789 (0.00844, 0.03180) |
| Kalimantan Tengah | Self-harm                                     | 25  | 3.1 (1.3, 6.3)    | 0.000025 (0.0000107, 0.0000503)  | 0.01259 (0.00557, 0.02468) | 1.5 (0.6, 3.3)    | 0.0000131 (0.0000051, 0.0000276) | 0.00945 (0.00384, 0.01913) |
| Kalimantan Tengah | Transport injuries                            | 25  | 34.6 (21.5, 51.8) | 0.0002762 (0.0001714, 0.0004136) | 0.13906 (0.08998, 0.19016) | 10.4 (5.9, 16.5)  | 0.0000883 (0.0000500, 0.0001402) | 0.06353 (0.03709, 0.09898) |
| Kalimantan Tengah | Other unintentional injuries                  | 25  | 18.9 (10.8, 30.7) | 0.0001504 (0.0000862, 0.0002451) | 0.07569 (0.04528, 0.11804) | 6.8 (3.4, 11.5)   | 0.0000575 (0.0000288, 0.0000971) | 0.04136 (0.02201, 0.06809) |
| Kalimantan Tengah | Diarrheal diseases                            | 30  | 5.6 (2.6, 10.3)   | 0.0000483 (0.0000224, 0.0000888) | 0.02175 (0.00984, 0.03984) | 3.9 (1.7, 7.7)    | 0.0000375 (0.0000166, 0.0000694) | 0.02094 (0.00967, 0.03726) |
| Kalimantan Tengah | HIV/AIDS                                      | 30  | 5.8 (1.0, 15.0)   | 0.0000494 (0.0000088, 0.0001286) | 0.02224 (0.00398, 0.05890) | 2.7 (0.5, 7.1)    | 0.0000264 (0.0000047, 0.0000747) | 0.01473 (0.00255, 0.03978) |
| Kalimantan Tengah | Lower respiratory infections                  | 30  | 4.6 (1.5, 10.0)   | 0.0000399 (0.0000133, 0.0000859) | 0.0179 (0.00601, 0.03648)  | 1.9 (0.6, 4.0)    | 0.0000183 (0.0000057, 0.0000392) | 0.01025 (0.00336, 0.02149) |
| Kalimantan Tengah | Malaria                                       | 30  | 4.4 (1.0, 11.8)   | 0.0000381 (0.0000087, 0.0001012) | 0.01718 (0.00407, 0.04478) | 2.0 (0.4, 5.6)    | 0.0000194 (0.0000041, 0.0000546) | 0.01081 (0.00240, 0.02940) |
| Kalimantan Tengah | Tuberculosis                                  | 30  | 31.3 (20.5, 45.7) | 0.0002689 (0.0001762, 0.0003928) | 0.12129 (0.08287, 0.16917) | 11.4 (6.5, 17.8)  | 0.0001109 (0.0000633, 0.0001728) | 0.06195 (0.03804, 0.09159) |
| Kalimantan Tengah | Maternal disorders                            | 30  |                   |                                  |                            | 18.4 (11.1, 27.5) | 0.0001791 (0.0001076, 0.0002671) | 0.10007 (0.06615, 0.14100) |
| Kalimantan Tengah | Other communicable diseases                   | 30  | 20.3 (11.5, 32.1) | 0.0001745 (0.0000987, 0.0002754) | 0.0787 (0.04718, 0.11876)  | 9.9 (5.2, 16.0)   | 0.0000963 (0.0000510, 0.0001551) | 0.05374 (0.03104, 0.08347) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 30  | 2.1 (0.5, 5.6)    | 0.0000184 (0.0000040, 0.0000481) | 0.00828 (0.00185, 0.02144) | 1.1 (0.3, 3.0)    | 0.000011 (0.0000030, 0.0000289)  | 0.00616 (0.00171, 0.01534) |
| Kalimantan Tengah | Breast cancer                                 | 30  | 0.1 (0.0, 0.2)    | 0.0000006 (0.0000001, 0.0000020) | 0.00026 (0.00004, 0.00090) | 9.7 (4.3, 17.1)   | 0.0000946 (0.0000415, 0.0001667) | 0.0528 (0.02427, 0.09027)  |
| Kalimantan Tengah | Cervical cancer                               | 30  |                   |                                  |                            | 5.1 (1.3, 11.6)   | 0.0000497 (0.0000127, 0.0001127) | 0.02783 (0.00715, 0.05935) |
| Kalimantan Tengah | Other malignant neoplasms                     | 30  | 13.5 (7.6, 21.3)  | 0.000116 (0.0000656, 0.0001830)  | 0.05231 (0.02981, 0.07928) | 8.3 (3.4, 16.1)   | 0.0000881 (0.0000331, 0.0001568) | 0.04524 (0.01909, 0.08333) |
| Kalimantan Tengah | Cerebrovascular disease                       | 30  | 16.9 (11.2, 23.9) | 0.0001448 (0.0000963, 0.0002052) | 0.06531 (0.04612, 0.08792) | 14.6 (9.6, 20.4)  | 0.0001418 (0.0000933, 0.0001984) | 0.07925 (0.05735, 0.10300) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                               | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|-------------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                   | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Ischemic heart disease                        | 30  | 26.4 (18.0, 38.8) | 0.0002271 (0.0001549, 0.0003329) | 0.10228 (0.07421, 0.13419)    | 14.7 (8.9, 22.1)  | 0.0001427 (0.0000869, 0.0002152) | 0.07956 (0.05460, 0.11248) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 30  | 5.0 (2.4, 8.9)    | 0.0000428 (0.0000208, 0.0000766) | 0.01925 (0.00968, 0.03331)    | 5.1 (2.5, 9.1)    | 0.0000499 (0.0000238, 0.0000887) | 0.02786 (0.01476, 0.04804) |
| Kalimantan Tengah | Diabetes mellitus                             | 30  | 4.1 (2.4, 6.1)    | 0.0000352 (0.0000205, 0.0000526) | 0.01587 (0.00948, 0.02302)    | 11.6 (6.2, 19.1)  | 0.0001129 (0.0000600, 0.0001853) | 0.06299 (0.03586, 0.09694) |
| Kalimantan Tengah | Chronic kidney disease                        | 30  | 9.9 (6.5, 14.9)   | 0.0000854 (0.0000561, 0.0001281) | 0.0385 (0.02635, 0.05459)     | 8.1 (5.2, 12.3)   | 0.000079 (0.0000506, 0.0001194)  | 0.0441 (0.03060, 0.06136)  |
| Kalimantan Tengah | Cirrhosis                                     | 30  | 15.9 (9.9, 24.6)  | 0.0001363 (0.0000854, 0.0002111) | 0.06148 (0.03997, 0.09044)    | 9.0 (4.1, 16.7)   | 0.0000871 (0.0000400, 0.0001627) | 0.04853 (0.02310, 0.08711) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 30  | 8.8 (4.5, 14.7)   | 0.0000752 (0.0000386, 0.0001266) | 0.03386 (0.01789, 0.05352)    | 5.1 (2.5, 8.5)    | 0.0000492 (0.0000240, 0.0000825) | 0.02738 (0.01465, 0.04368) |
| Kalimantan Tengah | Other non-communicable diseases               | 30  | 21.8 (15.2, 31.4) | 0.0001873 (0.0001308, 0.0002694) | 0.08448 (0.06068, 0.11144)    | 18.9 (12.4, 26.7) | 0.0001835 (0.0001209, 0.0002594) | 0.10248 (0.07438, 0.13427) |
| Kalimantan Tengah | Drowning                                      | 30  | 4.9 (1.8, 10.4)   | 0.0000421 (0.0000153, 0.0000892) | 0.01891 (0.00718, 0.03737)    | 1.6 (0.5, 3.6)    | 0.0000155 (0.0000048, 0.0000353) | 0.00866 (0.00287, 0.01828) |
| Kalimantan Tengah | Falls                                         | 30  | 4.4 (2.1, 8.0)    | 0.0000379 (0.0000178, 0.0000691) | 0.01709 (0.00809, 0.03164)    | 1.8 (0.8, 3.6)    | 0.000018 (0.0000078, 0.0000348)  | 0.01005 (0.00464, 0.01885) |
| Kalimantan Tengah | Interpersonal violence                        | 30  | 3.9 (2.0, 7.0)    | 0.0000337 (0.0000170, 0.0000603) | 0.01517 (0.00805, 0.02687)    | 2.4 (1.1, 4.7)    | 0.0000232 (0.0000105, 0.0000453) | 0.01294 (0.00602, 0.02390) |
| Kalimantan Tengah | Self-harm                                     | 30  | 2.4 (1.1, 5.0)    | 0.0000209 (0.0000091, 0.0000427) | 0.00943 (0.00425, 0.01819)    | 1.2 (0.5, 2.5)    | 0.0000119 (0.0000045, 0.0000247) | 0.00666 (0.00260, 0.01331) |
| Kalimantan Tengah | Transport injuries                            | 30  | 29.0 (17.6, 44.2) | 0.0002493 (0.0001508, 0.0003801) | 0.11223 (0.07032, 0.15855)    | 9.2 (4.9, 14.6)   | 0.0000892 (0.0000481, 0.0001418) | 0.04989 (0.02877, 0.07535) |
| Kalimantan Tengah | Other unintentional injuries                  | 30  | 17.1 (9.7, 28.5)  | 0.000147 (0.0000837, 0.0002445)  | 0.0662 (0.03807, 0.10476)     | 6.5 (3.2, 10.9)   | 0.0000629 (0.0000308, 0.0001059) | 0.03513 (0.01837, 0.05785) |
| Kalimantan Tengah | Diarrheal diseases                            | 35  | 4.9 (2.2, 9.1)    | 0.0000469 (0.0000209, 0.0000867) | 0.01636 (0.00743, 0.02970)    | 5.2 (2.4, 9.6)    | 0.0000583 (0.0000271, 0.0001077) | 0.02181 (0.01050, 0.03817) |
| Kalimantan Tengah | HIV/AIDS                                      | 35  | 5.1 (0.9, 14.4)   | 0.0000488 (0.0000087, 0.0001379) | 0.01702 (0.00314, 0.04894)    | 3.5 (0.6, 10.2)   | 0.0000394 (0.0000070, 0.0001148) | 0.01471 (0.00256, 0.04177) |
| Kalimantan Tengah | Lower respiratory infections                  | 35  | 5.0 (1.7, 10.5)   | 0.0000474 (0.0000160, 0.0001000) | 0.01652 (0.00560, 0.03349)    | 3.0 (1.0, 6.3)    | 0.0000336 (0.0000109, 0.0000702) | 0.01259 (0.00434, 0.02557) |
| Kalimantan Tengah | Malaria                                       | 35  | 4.0 (0.9, 10.8)   | 0.0000386 (0.0000087, 0.0001030) | 0.01349 (0.00315, 0.03599)    | 2.6 (0.5, 7.3)    | 0.0000294 (0.0000061, 0.0000822) | 0.01102 (0.00245, 0.03068) |
| Kalimantan Tengah | Tuberculosis                                  | 35  | 35.0 (22.7, 50.1) | 0.0003343 (0.0002166, 0.0004786) | 0.11682 (0.07905, 0.16028)    | 17.5 (10.2, 26.7) | 0.0001958 (0.0001146, 0.0002997) | 0.07335 (0.04594, 0.10716) |
| Kalimantan Tengah | Maternal disorders                            | 35  |                   |                                  |                               | 9.3 (5.0, 15.5)   | 0.0001042 (0.0000557, 0.0001735) | 0.03906 (0.02103, 0.06137) |
| Kalimantan Tengah | Other communicable diseases                   | 35  | 17.9 (10.2, 28.7) | 0.0001711 (0.0000973, 0.0002747) | 0.05979 (0.03543, 0.09304)    | 13.7 (7.6, 21.4)  | 0.0001538 (0.0000851, 0.0002403) | 0.05756 (0.03489, 0.08748) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 35  | 1.6 (0.4, 4.3)    | 0.0000153 (0.0000034, 0.0000408) | 0.00533 (0.00121, 0.01395)    | 1.6 (0.4, 3.9)    | 0.0000176 (0.0000050, 0.0000432) | 0.00658 (0.00195, 0.01564) |
| Kalimantan Tengah | Breast cancer                                 | 35  | 0.1 (0.0, 0.4)    | 0.0000012 (0.0000002, 0.0000037) | 0.00042 (0.000008, 0.0000133) | 15.3 (7.3, 26.4)  | 0.0001714 (0.0000814, 0.0002954) | 0.06416 (0.03143, 0.10445) |
| Kalimantan Tengah | Cervical cancer                               | 35  |                   |                                  |                               | 7.7 (2.1, 16.2)   | 0.0000858 (0.0000233, 0.0001819) | 0.03223 (0.00859, 0.06645) |
| Kalimantan Tengah | Other malignant neoplasms                     | 35  | 17.8 (10.2, 27.6) | 0.00017 (0.0000978, 0.0002635)   | 0.05939 (0.03486, 0.08934)    | 9.7 (3.9, 19.8)   | 0.0001087 (0.0000439, 0.0002216) | 0.04069 (0.01734, 0.07591) |
| Kalimantan Tengah | Cerebrovascular disease                       | 35  | 28.0 (19.7, 38.7) | 0.0002674 (0.0001880, 0.0003694) | 0.09346 (0.06832, 0.12357)    | 24.9 (16.8, 35.1) | 0.0002791 (0.0001887, 0.0003932) | 0.10463 (0.07681, 0.13541) |
| Kalimantan Tengah | Ischemic heart disease                        | 35  | 41.5 (29.6, 58.4) | 0.0003962 (0.0002825, 0.0005579) | 0.1383 (0.10448, 0.17736)     | 22.5 (14.0, 33.4) | 0.0002523 (0.0001574, 0.0003745) | 0.09439 (0.06579, 0.12985) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 35  | 6.6 (3.3, 11.7)   | 0.0000632 (0.0000318, 0.0001118) | 0.02204 (0.01127, 0.03750)    | 7.1 (3.4, 12.3)   | 0.0000792 (0.0000385, 0.0001382) | 0.02962 (0.01579, 0.05078) |
| Kalimantan Tengah | Diabetes mellitus                             | 35  | 8.1 (4.9, 11.6)   | 0.0000771 (0.0000472, 0.0001105) | 0.02696 (0.01714, 0.03810)    | 22.2 (12.4, 35.3) | 0.0002493 (0.0001390, 0.0003961) | 0.09331 (0.05577, 0.13668) |
| Kalimantan Tengah | Chronic kidney disease                        | 35  | 12.5 (8.5, 18.4)  | 0.0001194 (0.0000810, 0.0001756) | 0.04167 (0.02953, 0.05777)    | 10.1 (6.5, 14.9)  | 0.0001131 (0.0000730, 0.0001666) | 0.04237 (0.02956, 0.05833) |
| Kalimantan Tengah | Cirrhosis                                     | 35  | 20.5 (13.3, 31.7) | 0.0001958 (0.0001270, 0.0003025) | 0.06845 (0.04505, 0.09987)    | 12.0 (5.7, 22.5)  | 0.0001348 (0.0000638, 0.0002526) | 0.0504 (0.02511, 0.08890)  |
| Kalimantan Tengah | Chronic respiratory diseases                  | 35  | 10.7 (5.6, 17.5)  | 0.0001021 (0.0000533, 0.0001670) | 0.03562 (0.01995, 0.05513)    | 6.3 (3.0, 10.7)   | 0.0000704 (0.0000338, 0.0001196) | 0.02632 (0.01418, 0.04200) |
| Kalimantan Tengah | Other non-communicable diseases               | 35  | 23.6 (16.4, 33.4) | 0.0002254 (0.0001568, 0.0003191) | 0.07874 (0.05650, 0.10524)    | 21.2 (14.0, 30.2) | 0.000237 (0.0001569, 0.0003386)  | 0.08878 (0.06458, 0.11785) |
| Kalimantan Tengah | Drowning                                      | 35  | 5.9 (2.2, 12.0)   | 0.0000568 (0.0000212, 0.0001147) | 0.0198 (0.00764, 0.03882)     | 2.3 (0.8, 5.1)    | 0.0000261 (0.0000091, 0.0000573) | 0.00978 (0.00340, 0.02121) |
| Kalimantan Tengah | Falls                                         | 35  | 4.4 (2.1, 7.9)    | 0.0000422 (0.0000201, 0.0000753) | 0.01475 (0.00712, 0.02677)    | 2.1 (0.9, 4.1)    | 0.000024 (0.0000105, 0.0000454)  | 0.009 (0.00412, 0.01694)   |
| Kalimantan Tengah | Interpersonal violence                        | 35  | 3.6 (1.8, 6.7)    | 0.0000343 (0.0000176, 0.0000639) | 0.01198 (0.00616, 0.02132)    | 2.2 (1.0, 4.3)    | 0.0000251 (0.0000111, 0.0000486) | 0.00942 (0.00437, 0.01763) |
| Kalimantan Tengah | Self-harm                                     | 35  | 2.4 (1.0, 4.9)    | 0.0000231 (0.0000095, 0.0000465) | 0.00806 (0.00342, 0.01575)    | 1.2 (0.5, 2.6)    | 0.0000137 (0.0000052, 0.0000286) | 0.00515 (0.00199, 0.01071) |
| Kalimantan Tengah | Transport injuries                            | 35  | 23.8 (14.0, 36.2) | 0.0002272 (0.0001336, 0.0003456) | 0.07928 (0.05007, 0.11331)    | 8.2 (4.3, 13.4)   | 0.0000919 (0.0000484, 0.0001497) | 0.03451 (0.01944, 0.05439) |
| Kalimantan Tengah | Other unintentional injuries                  | 35  | 16.7 (9.2, 26.8)  | 0.0001595 (0.0000879, 0.0002565) | 0.05572 (0.03226, 0.08610)    | 6.8 (3.4, 11.8)   | 0.0000762 (0.0000376, 0.0001321) | 0.02856 (0.01491, 0.04668) |
| Kalimantan Tengah | Diarrheal diseases                            | 40  | 5.2 (2.3, 9.3)    | 0.0000617 (0.0000271, 0.0001110) | 0.01495 (0.00663, 0.02652)    | 6.2 (2.9, 11.2)   | 0.0000865 (0.0000411, 0.0001578) | 0.02259 (0.01094, 0.03757) |
| Kalimantan Tengah | HIV/AIDS                                      | 40  | 2.6 (0.4, 8.2)    | 0.0000311 (0.0000050, 0.0000974) | 0.00753 (0.00124, 0.02299)    | 2.0 (0.3, 6.5)    | 0.0000286 (0.0000046, 0.0000915) | 0.00745 (0.03143, 0.02473) |
| Kalimantan Tengah | Lower respiratory infections                  | 40  | 4.5 (1.5, 9.8)    | 0.0000537 (0.0000183, 0.0001163) | 0.01296 (0.00443, 0.02604)    | 3.3 (1.0, 6.8)    | 0.0000462 (0.0000147, 0.0000958) | 0.01208 (0.00421, 0.02444) |
| Kalimantan Tengah | Malaria                                       | 40  | 4.1 (1.0, 11.0)   | 0.0000486 (0.0000115, 0.0001308) | 0.01177 (0.00277, 0.03140)    | 2.8 (0.6, 7.9)    | 0.0000396 (0.0000086, 0.0001110) | 0.01034 (0.00235, 0.02890) |
| Kalimantan Tengah | Tuberculosis                                  | 40  | 30.8 (20.2, 44.6) | 0.0003653 (0.0002397, 0.0005301) | 0.08858 (0.05992, 0.12332)    | 17.6 (10.6, 26.9) | 0.0002475 (0.0001490, 0.0003776) | 0.06462 (0.04073, 0.09386) |
| Kalimantan Tengah | Maternal disorders                            | 40  |                   |                                  |                               | 1.4 (0.6, 2.7)    | 0.0000191 (0.0000087, 0.0000373) | 0.00499 (0.00227, 0.00920) |
| Kalimantan Tengah | Other communicable diseases                   | 40  | 16.9 (9.0, 27.3)  | 0.0002002 (0.0001072, 0.0003242) | 0.04854 (0.02735, 0.07681)    | 14.7 (8.2, 23.2)  | 0.0002063 (0.0001148, 0.0003261) | 0.05381 (0.03102, 0.08155) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 40  | 3.2 (1.0, 7.8)    | 0.0000384 (0.0000118, 0.0000932) | 0.00929 (0.00283, 0.02288)    | 1.9 (0.5, 4.6)    | 0.0000261 (0.0000077, 0.0000649) | 0.00681 (0.00208, 0.01631) |
| Kalimantan Tengah | Breast cancer                                 | 40  | 0.3 (0.1, 0.8)    | 0.0000033 (0.0000008, 0.0000093) | 0.0008 (0.00018, 0.00221)     | 18.4 (9.2, 31.0)  | 0.0002588 (0.0001298, 0.0004354) | 0.06751 (0.03473, 0.11113) |
| Kalimantan Tengah | Cervical cancer                               | 40  |                   |                                  |                               | 8.5 (2.5, 18.0)   | 0.0001199 (0.0000351, 0.0002598) | 0.03137 (0.00873, 0.06686) |
| Kalimantan Tengah | Other malignant neoplasms                     | 40  | 26.1 (15.2, 40.6) | 0.0003099 (0.0001800, 0.0004824) | 0.07514 (0.04549, 0.11129)    | 9.3 (3.7, 19.6)   | 0.0001306 (0.0000518, 0.0002663) | 0.03406 (0.01380, 0.06603) |
| Kalimantan Tengah | Cerebrovascular disease                       | 40  | 43.9 (31.1, 59.9) | 0.0005212 (0.0003689, 0.0007120) | 0.12641 (0.09463, 0.16269)    | 36.3 (25.4, 49.5) | 0.0005094 (0.0003571, 0.0006948) | 0.13303 (0.10177, 0.16833) |
| Kalimantan Tengah | Ischemic heart disease                        | 40  | 59.0 (42.7, 83.3) | 0.0007004 (0.0005068, 0.0009893) | 0.16967 (0.13014, 0.21501)    | 32.0 (21.0, 46.4) | 0.0004491 (0.0002944, 0.0006512) | 0.11708 (0.08546, 0.16000) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 40  | 9.6 (5.0, 16.6)   | 0.0001144 (0.0000594, 0.0001976) | 0.0277 (0.01534, 0.04688)     | 9.0 (4.5, 15.6)   | 0.0001257 (0.0000628, 0.0002190) | 0.03273 (0.01770, 0.05436) |
| Kalimantan Tengah | Diabetes mellitus                             | 40  | 17.1 (10.9, 24.2) | 0.0002032 (0.0001296, 0.0002874) | 0.0493 (0.03266, 0.06792)     | 39.8 (23.6, 58.8) | 0.0005585 (0.0003319, 0.0008258) | 0.14571 (0.09440, 0.20459) |
| Kalimantan Tengah | Chronic kidney disease                        | 40  | 16.3 (11.1, 23.5) | 0.0001931 (0.0001319, 0.0002791) | 0.04678 (0.03338, 0.06432)    | 11.6 (7.6, 16.8)  | 0.0001623 (0.0001064, 0.0002352) | 0.04234 (0.02923, 0.05848) |
| Kalimantan Tengah | Cirrhosis                                     | 40  | 25.2 (16.2, 39.0) | 0.0002988 (0.0001930, 0.0004631) | 0.07249 (0.04809, 0.10547)    | 13.6 (6.6, 25.4)  | 0.0001906 (0.0000922, 0.0003560) | 0.04965 (0.02478, 0.08889) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 40  | 13.6 (7.3, 22.1)  | 0.0001621 (0.0000865, 0.0002627) | 0.03922 (0.02220, 0.05990)    | 6.7 (3.4, 11.0)   | 0.0000937 (0.0000473, 0.0001544) | 0.02441 (0.01330, 0.03891) |
| Kalimantan Tengah | Other non-communicable diseases               | 40  | 25.9 (17.8, 37.2) | 0.0003078 (0.0002116, 0.0004424) | 0.07464 (0.05356, 0.09992)    | 21.0 (14.1, 29.8) | 0.0002949 (0.0001984, 0.0004178) | 0.07697 (0.05523, 0.10319) |
| Kalimantan Tengah | Drowning                                      | 40  | 2.9 (1.1, 6.4)    | 0.0000348 (0.0000126, 0.0000759) | 0.00842 (0.00316, 0.01789)    | 1.2 (0.4, 2.8)    | 0.000017 (0.0000057, 0.0000388)  | 0.00443 (0.00151, 0.01001) |
| Kalimantan Tengah | Falls                                         | 40  | 3.7 (1.6, 6.9)    | 0.0000435 (0.0000194, 0.0000820) | 0.01054 (0.00477, 0.01958)    | 1.8 (0.8, 3.4)    | 0.0000255 (0.0000112, 0.0000484) | 0.00665 (0.00296, 0.01278) |
| Kalimantan Tengah | Interpersonal violence                        | 40  | 2.8 (1.4, 5.3)    | 0.0000335 (0.0000164, 0.0000633) | 0.00813 (0.00403, 0.01531)    | 1.6 (0.7, 3.2)    | 0.0000228 (0.0000100, 0.0000455) | 0.00596 (0.00265, 0.01150) |
| Kalimantan Tengah | Self-harm                                     | 40  | 2.2 (0.9, 4.5)    | 0.0000259 (0.0000107, 0.0000540) | 0.00627 (0.00257, 0.01231)    | 1.0 (0.4, 2.1)    | 0.0000141 (0.0000049, 0.0000300) | 0.00368 (0.00138, 0.00780) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males              |                                  |                             | Females            |                                  |                            |
|-------------------|-----------------------------------------------|-----|--------------------|----------------------------------|-----------------------------|--------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Transport injuries                            | 40  | 18.4 (10.0, 28.7)  | 0.0002185 (0.0001192, 0.0003410) | 0.05294 (0.02976, 0.07982)  | 6.2 (3.2, 10.4)    | 0.0000876 (0.0000452, 0.0001461) | 0.02288 (0.01198, 0.03672) |
| Kalimantan Tengah | Other unintentional injuries                  | 40  | 13.2 (7.1, 21.3)   | 0.0001564 (0.0000844, 0.0002534) | 0.03791 (0.02046, 0.05915)  | 5.2 (2.5, 8.6)     | 0.0000723 (0.0000348, 0.0001214) | 0.01887 (0.00943, 0.03072) |
| Kalimantan Tengah | Diarrheal diseases                            | 45  | 5.1 (2.3, 9.6)     | 0.0000787 (0.0000349, 0.0001476) | 0.01352 (0.00608, 0.02499)  | 6.9 (3.3, 12.3)    | 0.0001226 (0.0000592, 0.0002175) | 0.02065 (0.01024, 0.03687) |
| Kalimantan Tengah | HIV/AIDS                                      | 45  | 1.3 (0.2, 4.1)     | 0.0000197 (0.0000028, 0.0000624) | 0.00339 (0.00048, 0.01128)  | 1.2 (0.2, 4.1)     | 0.0000211 (0.0000031, 0.0000727) | 0.00354 (0.00052, 0.01206) |
| Kalimantan Tengah | Lower respiratory infections                  | 45  | 4.9 (1.7, 10.5)    | 0.0000758 (0.0000267, 0.0001611) | 0.01299 (0.00465, 0.02586)  | 4.6 (1.6, 9.3)     | 0.0000816 (0.0000286, 0.0001648) | 0.01375 (0.00501, 0.02748) |
| Kalimantan Tengah | Malaria                                       | 45  | 3.6 (0.8, 9.9)     | 0.0000556 (0.0000120, 0.0001516) | 0.00957 (0.00210, 0.02625)  | 2.6 (0.6, 7.7)     | 0.0000468 (0.0000098, 0.0001357) | 0.00787 (0.00173, 0.02241) |
| Kalimantan Tengah | Tuberculosis                                  | 45  | 30.9 (20.2, 45.0)  | 0.0004749 (0.0003098, 0.0006912) | 0.08167 (0.05625, 0.11243)  | 21.0 (13.1, 31.2)  | 0.0003732 (0.0002325, 0.0005538) | 0.06284 (0.04065, 0.08902) |
| Kalimantan Tengah | Maternal disorders                            | 45  |                    |                                  |                             | 0.6 (0.2, 1.2)     | 0.0000098 (0.0000037, 0.0000209) | 0.00165 (0.00063, 0.00353) |
| Kalimantan Tengah | Other communicable diseases                   | 45  | 14.1 (7.3, 23.5)   | 0.0002171 (0.0001128, 0.0003605) | 0.03733 (0.02054, 0.06000)  | 14.4 (8.0, 22.7)   | 0.0002549 (0.0001425, 0.0004029) | 0.04286 (0.02505, 0.06659) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 45  | 6.0 (1.9, 13.8)    | 0.0000921 (0.0000294, 0.0002117) | 0.01583 (0.00512, 0.03642)  | 2.3 (0.7, 5.6)     | 0.0000413 (0.0000127, 0.0001001) | 0.00695 (0.00223, 0.01615) |
| Kalimantan Tengah | Breast cancer                                 | 45  | 0.4 (0.1, 1.0)     | 0.0000061 (0.0000016, 0.0000151) | 0.00104 (0.00030, 0.00255)  | 17.5 (8.4, 29.6)   | 0.0003103 (0.0001482, 0.0005244) | 0.0522 (0.02571, 0.08693)  |
| Kalimantan Tengah | Cervical cancer                               | 45  |                    |                                  |                             | 8.0 (2.3, 17.3)    | 0.0001427 (0.0000403, 0.0003073) | 0.02407 (0.00667, 0.04976) |
| Kalimantan Tengah | Other malignant neoplasms                     | 45  | 25.5 (14.5, 40.1)  | 0.0003917 (0.0002229, 0.0006160) | 0.06736 (0.03953, 0.10219)  | 8.5 (3.2, 17.8)    | 0.0001507 (0.0000563, 0.0003161) | 0.02534 (0.00948, 0.05064) |
| Kalimantan Tengah | Cerebrovascular disease                       | 45  | 57.8 (41.3, 78.6)  | 0.0008886 (0.0006351, 0.0012078) | 0.15282 (0.11530, 0.19267)  | 53.2 (38.4, 70.1)  | 0.000943 (0.0006817, 0.0012426)  | 0.15883 (0.12296, 0.19844) |
| Kalimantan Tengah | Ischemic heart disease                        | 45  | 68.5 (48.4, 95.8)  | 0.0010525 (0.0007430, 0.0014722) | 0.1808 (0.13972, 0.22787)   | 43.3 (29.7, 61.5)  | 0.0007676 (0.0005274, 0.0010898) | 0.12906 (0.09449, 0.17242) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 45  | 11.9 (6.3, 20.8)   | 0.0001836 (0.0000975, 0.0003202) | 0.03152 (0.01720, 0.05316)  | 11.6 (5.8, 20.3)   | 0.000206 (0.0001037, 0.0003599)  | 0.0346 (0.01869, 0.05762)  |
| Kalimantan Tengah | Diabetes mellitus                             | 45  | 26.4 (16.8, 36.6)  | 0.0004061 (0.0002587, 0.0005621) | 0.06986 (0.04791, 0.09248)  | 62.9 (40.9, 89.7)  | 0.0011159 (0.0007257, 0.0015911) | 0.18776 (0.12936, 0.25063) |
| Kalimantan Tengah | Chronic kidney disease                        | 45  | 17.0 (11.5, 24.5)  | 0.0002613 (0.0001764, 0.0003770) | 0.0449 (0.03190, 0.06155)   | 12.8 (8.7, 18.0)   | 0.0002268 (0.0001539, 0.0003196) | 0.03817 (0.02659, 0.05194) |
| Kalimantan Tengah | Cirrhosis                                     | 45  | 24.6 (15.3, 37.3)  | 0.000378 (0.0002354, 0.0005729)  | 0.06502 (0.04250, 0.09657)  | 14.9 (7.2, 28.0)   | 0.0002641 (0.0001275, 0.0004961) | 0.04439 (0.02207, 0.07953) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 45  | 16.7 (9.2, 26.8)   | 0.0002565 (0.0001415, 0.0004126) | 0.04401 (0.02549, 0.06572)  | 8.7 (4.6, 14.1)    | 0.000155 (0.0000807, 0.0002492)  | 0.02605 (0.01482, 0.04101) |
| Kalimantan Tengah | Other non-communicable diseases               | 45  | 24.7 (16.9, 35.3)  | 0.0003798 (0.0002596, 0.0005422) | 0.06533 (0.04684, 0.08670)  | 21.8 (14.9, 30.6)  | 0.0003861 (0.0002634, 0.0005423) | 0.06498 (0.04642, 0.08716) |
| Kalimantan Tengah | Drowning                                      | 45  | 1.8 (0.6, 4.0)     | 0.0000275 (0.0000092, 0.0000622) | 0.00471 (0.00163, 0.01039)  | 1.0 (0.3, 2.2)     | 0.0000172 (0.0000053, 0.0000389) | 0.0029 (0.00095, 0.00664)  |
| Kalimantan Tengah | Falls                                         | 45  | 3.7 (1.7, 6.8)     | 0.0000574 (0.0000260, 0.0001041) | 0.00987 (0.00471, 0.01778)  | 2.3 (1.1, 4.4)     | 0.0000413 (0.0000189, 0.0000776) | 0.00696 (0.00321, 0.01286) |
| Kalimantan Tengah | Interpersonal violence                        | 45  | 2.4 (1.0, 4.7)     | 0.0000364 (0.0000160, 0.0000727) | 0.00626 (0.00287, 0.01213)  | 1.5 (0.7, 2.9)     | 0.0000264 (0.0000115, 0.0000516) | 0.00445 (0.00197, 0.00855) |
| Kalimantan Tengah | Self-harm                                     | 45  | 2.1 (0.8, 4.4)     | 0.0000322 (0.0000126, 0.0000682) | 0.00553 (0.00218, 0.01139)  | 1.0 (0.4, 2.2)     | 0.0000183 (0.0000066, 0.0000393) | 0.00308 (0.00117, 0.00662) |
| Kalimantan Tengah | Transport injuries                            | 45  | 17.3 (9.1, 27.8)   | 0.0002653 (0.0001405, 0.0004276) | 0.04557 (0.02590, 0.06904)  | 7.1 (3.7, 11.8)    | 0.000125 (0.0000654, 0.0002096)  | 0.02107 (0.01139, 0.03392) |
| Kalimantan Tengah | Other unintentional injuries                  | 45  | 11.8 (6.0, 19.6)   | 0.0001812 (0.0000928, 0.0003013) | 0.03112 (0.01637, 0.05013)  | 5.4 (2.5, 9.2)     | 0.0000949 (0.0000452, 0.0001636) | 0.01597 (0.00773, 0.02772) |
| Kalimantan Tengah | Diarrheal diseases                            | 50  | 6.9 (3.2, 12.7)    | 0.0001374 (0.0000640, 0.0002533) | 0.01543 (0.00723, 0.02712)  | 8.8 (4.4, 15.4)    | 0.0002158 (0.0001082, 0.0003735) | 0.02427 (0.01257, 0.04077) |
| Kalimantan Tengah | HIV/AIDS                                      | 50  | 0.6 (0.1, 1.9)     | 0.000011 (0.0000015, 0.0000381)  | 0.00124 (0.00017, 0.00409)  | 0.5 (0.1, 1.7)     | 0.0000119 (0.0000017, 0.0000417) | 0.00133 (0.00018, 0.00470) |
| Kalimantan Tengah | Lower respiratory infections                  | 50  | 6.7 (2.3, 14.1)    | 0.0001323 (0.0000465, 0.0002810) | 0.01481 (0.00527, 0.02834)  | 5.6 (2.0, 11.1)    | 0.0001379 (0.0000486, 0.0002729) | 0.01553 (0.00573, 0.02931) |
| Kalimantan Tengah | Malaria                                       | 50  | 3.7 (0.8, 10.7)    | 0.0000737 (0.0000157, 0.0002127) | 0.00831 (0.00184, 0.02352)  | 2.5 (0.5, 7.5)     | 0.0000605 (0.0000130, 0.0001846) | 0.00681 (0.00149, 0.02099) |
| Kalimantan Tengah | Tuberculosis                                  | 50  | 35.6 (22.7, 52.3)  | 0.0007071 (0.0004506, 0.0010394) | 0.07957 (0.05415, 0.11015)  | 20.6 (12.6, 30.9)  | 0.0005051 (0.0003095, 0.0007572) | 0.05685 (0.03601, 0.08171) |
| Kalimantan Tengah | Maternal disorders                            | 50  |                    |                                  |                             | 0.2 (0.1, 0.6)     | 0.0000058 (0.0000016, 0.0000155) | 0.00065 (0.00018, 0.00173) |
| Kalimantan Tengah | Other communicable diseases                   | 50  | 14.6 (7.3, 24.5)   | 0.0002899 (0.0001458, 0.0004872) | 0.03261 (0.01711, 0.05250)  | 14.2 (7.9, 22.6)   | 0.0003473 (0.0001927, 0.0005537) | 0.03905 (0.02255, 0.05989) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 50  | 7.4 (2.5, 16.1)    | 0.0001465 (0.0000487, 0.0003206) | 0.0165 (0.00544, 0.03550)   | 2.3 (0.7, 5.3)     | 0.0000555 (0.0000162, 0.0001311) | 0.00625 (0.00190, 0.01431) |
| Kalimantan Tengah | Breast cancer                                 | 50  | 0.4 (0.1, 0.9)     | 0.0000071 (0.0000020, 0.0000170) | 0.00079 (0.00025, 0.00187)  | 15.0 (6.8, 25.8)   | 0.000369 (0.0001677, 0.0006329)  | 0.04148 (0.02022, 0.07139) |
| Kalimantan Tengah | Cervical cancer                               | 50  |                    |                                  |                             | 7.4 (2.0, 16.0)    | 0.0001821 (0.0000497, 0.0003938) | 0.02052 (0.00556, 0.04305) |
| Kalimantan Tengah | Other malignant neoplasms                     | 50  | 20.3 (10.9, 32.6)  | 0.0004045 (0.0002174, 0.0006481) | 0.0455 (0.02605, 0.06962)   | 8.5 (3.3, 17.6)    | 0.0002084 (0.0000804, 0.0004325) | 0.02344 (0.00895, 0.04550) |
| Kalimantan Tengah | Cerebrovascular disease                       | 50  | 81.0 (56.6, 110.8) | 0.0016097 (0.0011255, 0.0022037) | 0.18113 (0.14032, 0.22415)  | 66.1 (49.0, 85.8)  | 0.0016233 (0.0012029, 0.0021050) | 0.18273 (0.14440, 0.22432) |
| Kalimantan Tengah | Ischemic heart disease                        | 50  | 90.8 (63.2, 127.4) | 0.0018061 (0.0012561, 0.0025330) | 0.20296 (0.15722, 0.25335)  | 45.7 (31.0, 65.1)  | 0.0011205 (0.0007612, 0.0015965) | 0.12591 (0.08983, 0.17048) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 50  | 15.8 (8.1, 27.5)   | 0.0003137 (0.0001602, 0.0005472) | 0.03521 (0.01964, 0.05837)  | 14.4 (7.4, 24.6)   | 0.0003543 (0.0001806, 0.0006036) | 0.03978 (0.02156, 0.06474) |
| Kalimantan Tengah | Diabetes mellitus                             | 50  | 36.4 (22.8, 51.5)  | 0.0007242 (0.0004529, 0.0010243) | 0.08151 (0.05665, 0.10698)  | 76.0 (49.9, 105.6) | 0.0018647 (0.0012247, 0.0025918) | 0.20971 (0.14623, 0.27252) |
| Kalimantan Tengah | Chronic kidney disease                        | 50  | 18.5 (12.2, 26.6)  | 0.0003676 (0.0002431, 0.0005287) | 0.04133 (0.02962, 0.05609)  | 12.4 (8.4, 17.8)   | 0.0003047 (0.0002066, 0.0004362) | 0.03427 (0.02433, 0.04663) |
| Kalimantan Tengah | Cirrhosis                                     | 50  | 26.8 (16.5, 41.6)  | 0.0005329 (0.0003278, 0.0008267) | 0.05994 (0.04014, 0.08771)  | 14.9 (7.1, 28.2)   | 0.0003652 (0.0001738, 0.0006922) | 0.04103 (0.01986, 0.07419) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 50  | 21.4 (12.1, 34.5)  | 0.0004263 (0.0002405, 0.0006858) | 0.04786 (0.02870, 0.07105)  | 11.3 (6.2, 18.2)   | 0.0002784 (0.0001526, 0.0004457) | 0.03126 (0.01854, 0.04768) |
| Kalimantan Tengah | Other non-communicable diseases               | 50  | 26.7 (18.0, 37.7)  | 0.0005313 (0.0003581, 0.0007505) | 0.05981 (0.04276, 0.08156)  | 21.6 (14.7, 30.7)  | 0.0005305 (0.0003616, 0.0007533) | 0.05967 (0.04319, 0.08071) |
| Kalimantan Tengah | Drowning                                      | 50  | 1.4 (0.4, 3.5)     | 0.0000273 (0.0000086, 0.0000691) | 0.00306 (0.00103, 0.00747)  | 0.7 (0.2, 1.8)     | 0.0000173 (0.0000052, 0.0000442) | 0.00194 (0.00059, 0.00484) |
| Kalimantan Tengah | Falls                                         | 50  | 4.4 (2.0, 8.1)     | 0.000088 (0.0000391, 0.0001615)  | 0.00989 (0.00462, 0.01778)  | 2.5 (1.2, 4.6)     | 0.0000623 (0.0000296, 0.0001138) | 0.00701 (0.00341, 0.01244) |
| Kalimantan Tengah | Interpersonal violence                        | 50  | 1.9 (0.8, 3.9)     | 0.0000383 (0.0000165, 0.0000767) | 0.0043 (0.00194, 0.00830)   | 1.0 (0.4, 2.1)     | 0.0000256 (0.0000110, 0.0000524) | 0.00289 (0.00124, 0.00568) |
| Kalimantan Tengah | Self-harm                                     | 50  | 1.9 (0.7, 4.0)     | 0.0000375 (0.0000148, 0.0000791) | 0.00421 (0.00167, 0.00875)  | 0.8 (0.3, 1.7)     | 0.0000194 (0.0000071, 0.0000423) | 0.00218 (0.00082, 0.00485) |
| Kalimantan Tengah | Transport injuries                            | 50  | 14.1 (7.3, 23.3)   | 0.0002807 (0.0001458, 0.0004623) | 0.03156 (0.01728, 0.04826)  | 5.2 (2.6, 8.6)     | 0.0001269 (0.0000643, 0.0002105) | 0.0143 (0.00744, 0.02307)  |
| Kalimantan Tengah | Other unintentional injuries                  | 50  | 10.1 (5.0, 17.3)   | 0.0002 (0.0001002, 0.0003445)    | 0.02247 (0.01197, 0.03698)  | 4.0 (1.9, 6.9)     | 0.000099 (0.0000470, 0.0001690)  | 0.01114 (0.00554, 0.01901) |
| Kalimantan Tengah | Diarrheal diseases                            | 55  | 7.2 (3.2, 13.0)    | 0.000214 (0.0000963, 0.0003904)  | 0.01627 (0.00756, 0.02895)  | 9.1 (4.5, 15.8)    | 0.0003327 (0.0001664, 0.0005773) | 0.02512 (0.01308, 0.04184) |
| Kalimantan Tengah | HIV/AIDS                                      | 55  | 0.2 (0.0, 0.8)     | 0.0000065 (0.0000008, 0.0000228) | 0.0005 (0.000006, 0.000182) | 0.2 (0.0, 0.7)     | 0.000007 (0.0000009, 0.0000240)  | 0.00053 (0.00007, 0.00186) |
| Kalimantan Tengah | Lower respiratory infections                  | 55  | 6.3 (2.2, 13.1)    | 0.0001873 (0.0000659, 0.0003925) | 0.01419 (0.00510, 0.02769)  | 5.5 (2.0, 11.0)    | 0.0002032 (0.0000744, 0.0004021) | 0.01535 (0.00581, 0.02925) |
| Kalimantan Tengah | Malaria                                       | 55  | 3.6 (0.8, 10.1)    | 0.0001073 (0.0000236, 0.0003011) | 0.0082 (0.00183, 0.02268)   | 2.3 (0.5, 6.8)     | 0.0000831 (0.0000172, 0.0002474) | 0.00627 (0.00138, 0.01870) |
| Kalimantan Tengah | Tuberculosis                                  | 55  | 29.6 (18.1, 44.7)  | 0.0008862 (0.0005419, 0.0013367) | 0.06746 (0.04405, 0.09534)  | 17.0 (10.1, 26.2)  | 0.0006243 (0.0003708, 0.0009608) | 0.04715 (0.02873, 0.07057) |
| Kalimantan Tengah | Other communicable diseases                   | 55  | 13.1 (6.6, 22.8)   | 0.0003933 (0.0001970, 0.0006834) | 0.02993 (0.01603, 0.04973)  | 13.0 (7.0, 20.6)   | 0.0004744 (0.0002581, 0.0007540) | 0.03578 (0.02060, 0.05542) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 55  | 8.2 (2.7, 17.3)    | 0.000244 (0.0000818, 0.0005185)  | 0.0186 (0.00617, 0.03978)   | 1.9 (0.6, 4.5)     | 0.0000691 (0.0000203, 0.0001632) | 0.00522 (0.00155, 0.01196) |
| Kalimantan Tengah | Breast cancer                                 | 55  | 0.3 (0.1, 0.7)     | 0.0000094 (0.0000028, 0.0000221) | 0.00071 (0.00020, 0.00167)  | 10.9 (5.0, 19.3)   | 0.000398 (0.0001838, 0.0007076)  | 0.03003 (0.01386, 0.05218) |
| Kalimantan Tengah | Cervical cancer                               | 55  |                    |                                  |                             | 5.8 (1.6, 12.3)    | 0.0002113 (0.0000587, 0.0004513) | 0.01597 (0.00440, 0.03366) |
| Kalimantan Tengah | Other malignant neoplasms                     | 55  | 15.7 (8.1, 25.6)   | 0.0004688 (0.0002434, 0.0007674) | 0.03567 (0.02002, 0.05581)  | 6.9 (2.6, 14.2)    | 0.000254 (0.0000947, 0.0005191)  | 0.01917 (0.00724, 0.03775) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males               |                                  |                              | Females             |                                  |                            |
|-------------------|-----------------------------------------------|-----|---------------------|----------------------------------|------------------------------|---------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Tengah | Cerebrovascular disease                       | 55  | 90.0 (62.6, 122.2)  | 0.0026941 (0.0018751, 0.0036585) | 0.20509 (0.16173, 0.25207)   | 75.2 (56.3, 97.0)   | 0.0027561 (0.0020629, 0.0035527) | 0.20818 (0.16675, 0.25248) |
| Kalimantan Tengah | Ischemic heart disease                        | 55  | 96.6 (66.5, 135.9)  | 0.002893 (0.0019920, 0.0040687)  | 0.21995 (0.17172, 0.27522)   | 50.1 (34.1, 70.7)   | 0.0018344 (0.0012492, 0.0025913) | 0.13837 (0.10162, 0.18580) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 55  | 17.4 (9.0, 30.3)    | 0.0005194 (0.0002680, 0.0009062) | 0.03943 (0.02204, 0.06506)   | 15.9 (8.1, 26.4)    | 0.0005815 (0.0002983, 0.0009678) | 0.04382 (0.02420, 0.07220) |
| Kalimantan Tengah | Diabetes mellitus                             | 55  | 37.5 (23.7, 52.6)   | 0.0011223 (0.0007102, 0.0015750) | 0.08549 (0.05957, 0.11269)   | 78.6 (52.1, 107.7)  | 0.0028773 (0.0019100, 0.0039435) | 0.21712 (0.15156, 0.28361) |
| Kalimantan Tengah | Chronic kidney disease                        | 55  | 17.5 (11.3, 25.5)   | 0.0005224 (0.0003394, 0.0007648) | 0.03975 (0.02908, 0.05398)   | 11.7 (8.0, 16.7)    | 0.0004282 (0.0002927, 0.0006130) | 0.03232 (0.02302, 0.04383) |
| Kalimantan Tengah | Cirrhosis                                     | 55  | 23.1 (13.9, 35.9)   | 0.0006913 (0.0004151, 0.0010741) | 0.0526 (0.03480, 0.07784)    | 13.3 (6.3, 24.8)    | 0.0004864 (0.0002317, 0.0009083) | 0.03667 (0.01790, 0.06607) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 55  | 22.0 (12.4, 35.1)   | 0.0006597 (0.0003704, 0.0010518) | 0.05011 (0.03047, 0.07365)   | 11.9 (6.7, 18.9)    | 0.0004358 (0.0002461, 0.0006928) | 0.03285 (0.01946, 0.04974) |
| Kalimantan Tengah | Other non-communicable diseases               | 55  | 26.7 (17.7, 38.2)   | 0.000798 (0.0005309, 0.0011421)  | 0.06077 (0.04383, 0.08102)   | 21.9 (15.2, 30.8)   | 0.0008018 (0.0005560, 0.0011285) | 0.06052 (0.04341, 0.08118) |
| Kalimantan Tengah | Drowning                                      | 55  | 0.9 (0.3, 2.2)      | 0.0000266 (0.0000077, 0.0000663) | 0.00202 (0.00062, 0.00498)   | 0.5 (0.1, 1.2)      | 0.0000181 (0.0000053, 0.0000435) | 0.00136 (0.00041, 0.00323) |
| Kalimantan Tengah | Falls                                         | 55  | 4.3 (1.9, 7.7)      | 0.0001274 (0.0000579, 0.0002312) | 0.00969 (0.00483, 0.01702)   | 2.6 (1.2, 4.5)      | 0.0000944 (0.0000457, 0.0001661) | 0.00713 (0.00356, 0.01259) |
| Kalimantan Tengah | Interpersonal violence                        | 55  | 1.4 (0.6, 2.9)      | 0.0000423 (0.0000169, 0.0000878) | 0.00322 (0.00137, 0.00643)   | 0.7 (0.3, 1.5)      | 0.0000269 (0.0000114, 0.0000565) | 0.00203 (0.00085, 0.00412) |
| Kalimantan Tengah | Self-harm                                     | 55  | 1.6 (0.6, 3.3)      | 0.0000476 (0.0000181, 0.0000991) | 0.00362 (0.00142, 0.00742)   | 0.6 (0.2, 1.3)      | 0.0000231 (0.0000084, 0.0000473) | 0.00175 (0.00066, 0.00366) |
| Kalimantan Tengah | Transport injuries                            | 55  | 8.6 (4.0, 15.0)     | 0.0002573 (0.0001211, 0.0004483) | 0.01957 (0.01000, 0.03213)   | 3.2 (1.6, 5.6)      | 0.000118 (0.0000574, 0.0002065)  | 0.00892 (0.00432, 0.01534) |
| Kalimantan Tengah | Other unintentional injuries                  | 55  | 7.5 (3.7, 13.2)     | 0.000226 (0.0001121, 0.0003951)  | 0.01717 (0.00926, 0.02838)   | 3.0 (1.5, 5.3)      | 0.0001109 (0.0000545, 0.0001949) | 0.00838 (0.00418, 0.01446) |
| Kalimantan Tengah | Diarrheal diseases                            | 60  | 9.3 (4.1, 16.6)     | 0.000408 (0.0001796, 0.0007346)  | 0.01849 (0.00879, 0.03234)   | 11.5 (5.8, 19.2)    | 0.0005571 (0.0002810, 0.0009278) | 0.02778 (0.01422, 0.04557) |
| Kalimantan Tengah | HIV/AIDS                                      | 60  | 0.2 (0.0, 0.6)      | 0.0000074 (0.0000009, 0.0000249) | 0.00034 (0.000005, 0.000117) | 0.1 (0.0, 0.5)      | 0.0000072 (0.0000009, 0.0000241) | 0.00036 (0.00004, 0.00123) |
| Kalimantan Tengah | Lower respiratory infections                  | 60  | 9.8 (3.4, 20.7)     | 0.0004302 (0.0001491, 0.0009081) | 0.01943 (0.00707, 0.03720)   | 8.8 (3.2, 16.2)     | 0.0004266 (0.0001566, 0.0007827) | 0.02129 (0.00799, 0.03922) |
| Kalimantan Tengah | Malaria                                       | 60  | 4.1 (0.9, 11.2)     | 0.0001788 (0.0000394, 0.0004902) | 0.00815 (0.00181, 0.02280)   | 2.6 (0.5, 8.2)      | 0.000124 (0.0000256, 0.0003950)  | 0.00619 (0.00135, 0.01916) |
| Kalimantan Tengah | Tuberculosis                                  | 60  | 37.6 (22.7, 57.1)   | 0.0016481 (0.0009932, 0.0025003) | 0.07479 (0.04936, 0.10526)   | 22.6 (13.3, 34.1)   | 0.0010953 (0.0006442, 0.0016529) | 0.05464 (0.03297, 0.08030) |
| Kalimantan Tengah | Other communicable diseases                   | 60  | 12.6 (6.1, 21.8)    | 0.0005503 (0.0002653, 0.0009561) | 0.02496 (0.01282, 0.04270)   | 12.0 (6.5, 19.9)    | 0.0005795 (0.0003129, 0.0009651) | 0.02888 (0.01574, 0.04720) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 60  | 8.4 (2.7, 18.2)     | 0.000367 (0.0001190, 0.0007985)  | 0.01668 (0.00561, 0.03449)   | 1.9 (0.6, 4.3)      | 0.0000904 (0.0000270, 0.0002084) | 0.00451 (0.00139, 0.01042) |
| Kalimantan Tengah | Breast cancer                                 | 60  | 0.3 (0.1, 0.8)      | 0.0000133 (0.0000036, 0.0000334) | 0.0006 (0.00017, 0.00153)    | 8.6 (3.7, 16.2)     | 0.0004173 (0.0001813, 0.0007853) | 0.02079 (0.00886, 0.03759) |
| Kalimantan Tengah | Cervical cancer                               | 60  |                     |                                  |                              | 5.7 (1.4, 12.5)     | 0.0002737 (0.0000695, 0.0006051) | 0.01366 (0.00356, 0.02951) |
| Kalimantan Tengah | Other malignant neoplasms                     | 60  | 15.8 (8.2, 26.3)    | 0.0006928 (0.0003602, 0.0011498) | 0.03141 (0.01773, 0.04867)   | 7.5 (2.8, 14.9)     | 0.0003643 (0.0001362, 0.0007221) | 0.01816 (0.00698, 0.03445) |
| Kalimantan Tengah | Cerebrovascular disease                       | 60  | 111.1 (77.0, 149.2) | 0.0048652 (0.0033699, 0.0065352) | 0.22076 (0.17599, 0.26714)   | 93.7 (72.8, 118.0)  | 0.0045378 (0.0035224, 0.0057113) | 0.2264 (0.18400, 0.27223)  |
| Kalimantan Tengah | Ischemic heart disease                        | 60  | 105.1 (71.1, 148.7) | 0.0046009 (0.0031122, 0.0065131) | 0.20853 (0.16260, 0.26237)   | 58.5 (40.6, 81.7)   | 0.0028305 (0.0019643, 0.0039553) | 0.14104 (0.10457, 0.18799) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 60  | 21.3 (11.0, 36.4)   | 0.0009348 (0.0004836, 0.0015957) | 0.04231 (0.02342, 0.07012)   | 19.2 (10.1, 31.8)   | 0.0009304 (0.0004898, 0.0015400) | 0.04632 (0.02522, 0.07587) |
| Kalimantan Tengah | Diabetes mellitus                             | 60  | 36.8 (22.8, 52.2)   | 0.0016133 (0.0009968, 0.0022841) | 0.07326 (0.05055, 0.09471)   | 80.9 (53.1, 111.3)  | 0.0039185 (0.0025701, 0.0053895) | 0.19539 (0.13424, 0.26074) |
| Kalimantan Tengah | Chronic kidney disease                        | 60  | 17.4 (11.1, 25.6)   | 0.0007638 (0.0004874, 0.0011199) | 0.03465 (0.02539, 0.04724)   | 12.0 (8.2, 16.7)    | 0.0005804 (0.0003952, 0.0008090) | 0.02895 (0.02046, 0.03943) |
| Kalimantan Tengah | Cirrhosis                                     | 60  | 22.5 (13.6, 35.6)   | 0.0009852 (0.0005977, 0.0015605) | 0.04469 (0.02947, 0.06753)   | 13.1 (6.2, 25.7)    | 0.0006343 (0.0002979, 0.0012426) | 0.0316 (0.01544, 0.05848)  |
| Kalimantan Tengah | Chronic respiratory diseases                  | 60  | 34.9 (20.2, 54.3)   | 0.0015276 (0.0008843, 0.0023782) | 0.0692 (0.04388, 0.09799)    | 18.2 (10.8, 28.1)   | 0.0008816 (0.0005231, 0.0013589) | 0.04391 (0.02686, 0.06425) |
| Kalimantan Tengah | Other non-communicable diseases               | 60  | 33.6 (22.2, 47.0)   | 0.0014714 (0.0009637, 0.0020573) | 0.0668 (0.04809, 0.08894)    | 27.5 (19.7, 37.9)   | 0.0013331 (0.0009522, 0.0018356) | 0.06648 (0.04846, 0.08815) |
| Kalimantan Tengah | Drowning                                      | 60  | 0.8 (0.2, 2.1)      | 0.0000357 (0.0000099, 0.0000911) | 0.00162 (0.00047, 0.00404)   | 0.4 (0.1, 1.2)      | 0.0000211 (0.0000059, 0.0000561) | 0.00105 (0.00030, 0.00265) |
| Kalimantan Tengah | Falls                                         | 60  | 4.3 (1.9, 8.0)      | 0.0001873 (0.0000830, 0.0003486) | 0.00849 (0.00401, 0.01587)   | 2.5 (1.2, 4.5)      | 0.0001214 (0.0000564, 0.0002181) | 0.00606 (0.00293, 0.01100) |
| Kalimantan Tengah | Interpersonal violence                        | 60  | 1.0 (0.4, 2.3)      | 0.000046 (0.0000179, 0.0001014)  | 0.00208 (0.00085, 0.00438)   | 0.5 (0.2, 1.1)      | 0.0000265 (0.0000104, 0.0000549) | 0.00132 (0.00053, 0.00278) |
| Kalimantan Tengah | Self-harm                                     | 60  | 1.3 (0.5, 2.8)      | 0.0000578 (0.0000207, 0.0001231) | 0.00262 (0.00095, 0.00540)   | 0.5 (0.2, 1.1)      | 0.0000255 (0.0000091, 0.0000537) | 0.00127 (0.00046, 0.00263) |
| Kalimantan Tengah | Transport injuries                            | 60  | 8.3 (4.1, 14.5)     | 0.0003629 (0.0001788, 0.0006344) | 0.01648 (0.00850, 0.02687)   | 3.0 (1.5, 5.1)      | 0.0001471 (0.0000739, 0.0002472) | 0.00734 (0.00372, 0.01226) |
| Kalimantan Tengah | Other unintentional injuries                  | 60  | 6.9 (3.3, 12.3)     | 0.0003015 (0.0001458, 0.0005368) | 0.01366 (0.00709, 0.02293)   | 2.7 (1.3, 4.8)      | 0.0001317 (0.0000638, 0.0002340) | 0.00657 (0.00325, 0.01199) |
| Kalimantan Tengah | Diarrheal diseases                            | 65  | 13.2 (6.3, 23.3)    | 0.0009173 (0.0004406, 0.0016169) | 0.02906 (0.01486, 0.04877)   | 17.7 (10.1, 29.3)   | 0.0012701 (0.0007233, 0.0021028) | 0.04244 (0.02428, 0.06628) |
| Kalimantan Tengah | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.5)      | 0.0000098 (0.0000013, 0.0000328) | 0.00031 (0.00004, 0.00105)   | 0.1 (0.0, 0.4)      | 0.0000096 (0.0000012, 0.0000303) | 0.00032 (0.00004, 0.00106) |
| Kalimantan Tengah | Lower respiratory infections                  | 65  | 9.7 (3.5, 20.2)     | 0.0006736 (0.0002414, 0.0014043) | 0.02127 (0.00806, 0.04048)   | 9.8 (3.7, 18.3)     | 0.0006992 (0.0002658, 0.0013109) | 0.02339 (0.00937, 0.04299) |
| Kalimantan Tengah | Malaria                                       | 65  | 3.8 (0.8, 10.8)     | 0.000262 (0.0000561, 0.0007470)  | 0.00835 (0.00182, 0.02299)   | 2.5 (0.5, 7.7)      | 0.0001756 (0.0000362, 0.0005495) | 0.00587 (0.00123, 0.01809) |
| Kalimantan Tengah | Tuberculosis                                  | 65  | 34.7 (20.8, 53.1)   | 0.0024096 (0.0014442, 0.0036871) | 0.07646 (0.04956, 0.10974)   | 22.2 (13.0, 34.0)   | 0.0015903 (0.0009311, 0.0024362) | 0.05316 (0.03189, 0.07946) |
| Kalimantan Tengah | Other communicable diseases                   | 65  | 10.4 (5.0, 19.1)    | 0.0007246 (0.0003438, 0.0013283) | 0.02298 (0.01154, 0.03977)   | 11.0 (5.6, 19.0)    | 0.0007899 (0.0004035, 0.0013648) | 0.02638 (0.01426, 0.04411) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 65  | 5.8 (1.9, 13.4)     | 0.0004054 (0.0001323, 0.0009270) | 0.01289 (0.00435, 0.02746)   | 1.5 (0.5, 3.6)      | 0.0001048 (0.0000323, 0.0002560) | 0.0035 (0.00108, 0.00831)  |
| Kalimantan Tengah | Breast cancer                                 | 65  | 0.2 (0.1, 0.6)      | 0.0000152 (0.0000035, 0.0000403) | 0.00048 (0.00012, 0.00131)   | 6.3 (2.6, 12.2)     | 0.000453 (0.0001830, 0.0008717)  | 0.01513 (0.00615, 0.02833) |
| Kalimantan Tengah | Cervical cancer                               | 65  |                     |                                  |                              | 4.0 (1.0, 9.4)      | 0.0002901 (0.0000708, 0.0006732) | 0.0097 (0.00228, 0.02238)  |
| Kalimantan Tengah | Other malignant neoplasms                     | 65  | 11.4 (5.7, 18.8)    | 0.000789 (0.0003985, 0.0013069)  | 0.02502 (0.01417, 0.03934)   | 7.3 (2.9, 14.2)     | 0.0005255 (0.0002091, 0.0010169) | 0.01755 (0.00726, 0.03201) |
| Kalimantan Tengah | Cerebrovascular disease                       | 65  | 104.8 (71.8, 141.5) | 0.0072719 (0.0049853, 0.0098194) | 0.23076 (0.18579, 0.27907)   | 101.2 (79.4, 125.6) | 0.0072524 (0.0056913, 0.0090019) | 0.24244 (0.19828, 0.28868) |
| Kalimantan Tengah | Ischemic heart disease                        | 65  | 93.4 (61.7, 131.4)  | 0.0064846 (0.0042832, 0.0091202) | 0.20551 (0.15883, 0.26035)   | 58.8 (41.1, 82.0)   | 0.0042107 (0.0029467, 0.0058776) | 0.14059 (0.10315, 0.18693) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 65  | 21.6 (11.1, 37.8)   | 0.0015006 (0.0007668, 0.0026215) | 0.0475 (0.02585, 0.07700)    | 21.9 (11.5, 35.8)   | 0.0015697 (0.0008229, 0.0025675) | 0.05236 (0.02864, 0.08467) |
| Kalimantan Tengah | Diabetes mellitus                             | 65  | 27.0 (16.4, 39.3)   | 0.0018732 (0.0011389, 0.0027294) | 0.05948 (0.04063, 0.07808)   | 69.7 (44.9, 98.4)   | 0.0049948 (0.0032198, 0.0070496) | 0.16688 (0.11090, 0.22586) |
| Kalimantan Tengah | Chronic kidney disease                        | 65  | 15.0 (9.4, 22.5)    | 0.0010422 (0.0006521, 0.0015421) | 0.03307 (0.02370, 0.04539)   | 11.6 (8.2, 16.3)    | 0.0008292 (0.0005889, 0.0011696) | 0.02771 (0.01960, 0.03818) |
| Kalimantan Tengah | Cirrhosis                                     | 65  | 15.8 (9.3, 25.2)    | 0.0010962 (0.0006458, 0.0017665) | 0.03477 (0.02245, 0.05290)   | 10.7 (5.2, 20.5)    | 0.0007678 (0.0003702, 0.0014691) | 0.02563 (0.01250, 0.04813) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 65  | 35.8 (20.8, 55.9)   | 0.0024844 (0.0014423, 0.0038760) | 0.07867 (0.05172, 0.10884)   | 20.9 (12.6, 31.5)   | 0.0014943 (0.0009060, 0.0022582) | 0.04988 (0.03099, 0.07213) |
| Kalimantan Tengah | Other non-communicable diseases               | 65  | 34.3 (22.3, 48.5)   | 0.0023822 (0.0015463, 0.0033665) | 0.07562 (0.05512, 0.10045)   | 32.0 (23.2, 43.4)   | 0.0022917 (0.0016641, 0.0031128) | 0.07658 (0.05639, 0.10083) |
| Kalimantan Tengah | Drowning                                      | 65  | 0.5 (0.1, 1.3)      | 0.0000371 (0.0000103, 0.0000909) | 0.00117 (0.00033, 0.00285)   | 0.3 (0.1, 0.9)      | 0.0000248 (0.0000068, 0.0000615) | 0.00083 (0.00023, 0.00204) |
| Kalimantan Tengah | Falls                                         | 65  | 3.7 (1.6, 6.9)      | 0.0002558 (0.0001113, 0.0004777) | 0.00811 (0.00407, 0.01451)   | 2.5 (1.2, 4.5)      | 0.0001822 (0.0000876, 0.0003243) | 0.00609 (0.00297, 0.01100) |
| Kalimantan Tengah | Interpersonal violence                        | 65  | 0.7 (0.3, 1.7)      | 0.0000502 (0.0000183, 0.0001171) | 0.00159 (0.00059, 0.00340)   | 0.4 (0.1, 0.9)      | 0.0000289 (0.0000106, 0.0000626) | 0.00097 (0.00036, 0.00204) |
| Kalimantan Tengah | Self-harm                                     | 65  | 1.1 (0.4, 2.4)      | 0.0000731 (0.0000256, 0.0001662) | 0.00231 (0.00084, 0.00515)   | 0.4 (0.2, 1.0)      | 0.0000318 (0.0000112, 0.0000707) | 0.00106 (0.00038, 0.00243) |
| Kalimantan Tengah | Transport injuries                            | 65  | 5.8 (2.7, 10.2)     | 0.000402 (0.0001908, 0.0007086)  | 0.01276 (0.00657, 0.02101)   | 2.4 (1.2, 4.3)      | 0.0001745 (0.0000858, 0.0003068) | 0.00584 (0.00291, 0.01022) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males               |                                  |                            | Females              |                                   |                            |
|-------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|----------------------|-----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                     | CF (95% UI)                |
| Kalimantan Tengah | Other unintentional injuries                  | 65  | 5.4 (2.5, 9.7)      | 0.0003738 (0.0001707, 0.0006698) | 0.01184 (0.00598, 0.01964) | 2.4 (1.1, 4.2)       | 0.0001708 (0.0000800, 0.0003013)  | 0.00571 (0.00266, 0.00996) |
| Kalimantan Tengah | Diarrheal diseases                            | 70  | 19.7 (9.8, 33.9)    | 0.0020413 (0.0010122, 0.0035165) | 0.04094 (0.02262, 0.06481) | 24.1 (14.6, 37.6)    | 0.002595 (0.0015695, 0.0040440)   | 0.05463 (0.03337, 0.08308) |
| Kalimantan Tengah | HIV/AIDS                                      | 70  | 0.2 (0.0, 0.7)      | 0.00002 (0.0000025, 0.0000731)   | 0.0004 (0.00005, 0.00145)  | 0.2 (0.0, 0.6)       | 0.0000191 (0.0000025, 0.0000665)  | 0.0004 (0.00005, 0.00139)  |
| Kalimantan Tengah | Lower respiratory infections                  | 70  | 12.7 (4.7, 26.2)    | 0.0013158 (0.0004881, 0.0027181) | 0.02633 (0.01053, 0.05000) | 12.4 (4.9, 22.6)     | 0.0013369 (0.0005220, 0.0024305)  | 0.02817 (0.01149, 0.05084) |
| Kalimantan Tengah | Malaria                                       | 70  | 3.7 (0.7, 10.7)     | 0.0003865 (0.0000748, 0.0011052) | 0.0078 (0.00163, 0.02202)  | 2.3 (0.5, 7.5)       | 0.0002461 (0.0000490, 0.0008089)  | 0.00518 (0.00109, 0.01713) |
| Kalimantan Tengah | Tuberculosis                                  | 70  | 36.5 (20.8, 56.3)   | 0.0037873 (0.0021612, 0.0058411) | 0.0761 (0.04817, 0.10891)  | 23.9 (13.7, 36.6)    | 0.0025756 (0.0014788, 0.0039389)  | 0.05426 (0.03176, 0.08169) |
| Kalimantan Tengah | Other communicable diseases                   | 70  | 11.6 (5.5, 21.2)    | 0.0012018 (0.0005682, 0.0021951) | 0.02413 (0.01280, 0.04258) | 11.1 (5.9, 19.3)     | 0.0011906 (0.0006316, 0.0020745)  | 0.02505 (0.01359, 0.04351) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 70  | 5.5 (1.8, 12.6)     | 0.0005692 (0.0001817, 0.0013048) | 0.01146 (0.00373, 0.02551) | 1.3 (0.4, 3.2)       | 0.0001416 (0.0000447, 0.0003471)  | 0.00298 (0.00094, 0.00736) |
| Kalimantan Tengah | Breast cancer                                 | 70  | 0.2 (0.0, 0.5)      | 0.0000162 (0.0000037, 0.0000474) | 0.00032 (0.00008, 0.00095) | 4.4 (1.7, 8.9)       | 0.0004755 (0.0001792, 0.0009610)  | 0.01001 (0.00391, 0.01858) |
| Kalimantan Tengah | Cervical cancer                               | 70  |                     |                                  |                            | 2.5 (0.6, 6.1)       | 0.0002676 (0.0000623, 0.0006554)  | 0.00564 (0.00127, 0.01378) |
| Kalimantan Tengah | Other malignant neoplasms                     | 70  | 9.0 (4.5, 15.2)     | 0.0009381 (0.0004629, 0.0015767) | 0.01885 (0.01046, 0.02978) | 6.6 (2.8, 12.1)      | 0.0007066 (0.0003046, 0.0013009)  | 0.01487 (0.00650, 0.02712) |
| Kalimantan Tengah | Cerebrovascular disease                       | 70  | 111.7 (76.0, 151.5) | 0.0115881 (0.0078832, 0.0157176) | 0.23286 (0.18768, 0.27917) | 110.9 (88.0, 137.0)  | 0.0119377 (0.0094689, 0.0147466)  | 0.25144 (0.20698, 0.29845) |
| Kalimantan Tengah | Ischemic heart disease                        | 70  | 93.8 (61.0, 134.5)  | 0.0097311 (0.0063263, 0.0139457) | 0.19529 (0.14980, 0.25012) | 64.2 (45.8, 88.7)    | 0.0069136 (0.0049311, 0.0095452)  | 0.14546 (0.10720, 0.19338) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 70  | 24.8 (12.5, 43.7)   | 0.0025671 (0.0012947, 0.0045289) | 0.05147 (0.02897, 0.08381) | 25.4 (13.5, 42.2)    | 0.0027367 (0.0014493, 0.0045366)  | 0.05753 (0.03241, 0.09326) |
| Kalimantan Tengah | Diabetes mellitus                             | 70  | 20.9 (12.3, 30.7)   | 0.0021659 (0.0012796, 0.0031793) | 0.04356 (0.02943, 0.05780) | 58.5 (35.6, 85.1)    | 0.0062905 (0.0038325, 0.0091532)  | 0.13244 (0.08433, 0.18495) |
| Kalimantan Tengah | Chronic kidney disease                        | 70  | 13.6 (8.4, 20.3)    | 0.0014104 (0.0008727, 0.0021087) | 0.02835 (0.02067, 0.03887) | 11.0 (7.8, 15.7)     | 0.0011889 (0.0008381, 0.0016862)  | 0.02503 (0.01782, 0.03474) |
| Kalimantan Tengah | Cirrhosis                                     | 70  | 13.8 (7.9, 22.7)    | 0.0014279 (0.0008218, 0.0023515) | 0.02869 (0.01849, 0.04478) | 9.5 (4.5, 18.2)      | 0.0010272 (0.0004844, 0.0019562)  | 0.0216 (0.01032, 0.04048)  |
| Kalimantan Tengah | Chronic respiratory diseases                  | 70  | 45.8 (27.6, 69.5)   | 0.0047515 (0.0028640, 0.0072071) | 0.09529 (0.06547, 0.12806) | 27.0 (17.3, 40.2)    | 0.0029077 (0.0018598, 0.0043280)  | 0.06117 (0.04024, 0.08698) |
| Kalimantan Tengah | Other non-communicable diseases               | 70  | 39.6 (25.6, 55.5)   | 0.0041034 (0.0026599, 0.0057565) | 0.08251 (0.06043, 0.10847) | 37.7 (27.7, 50.5)    | 0.0040519 (0.0029801, 0.0054395)  | 0.08533 (0.06309, 0.11166) |
| Kalimantan Tengah | Drowning                                      | 70  | 0.9 (0.3, 2.2)      | 0.0000924 (0.0000267, 0.0002295) | 0.00185 (0.00055, 0.00420) | 0.5 (0.2, 1.3)       | 0.0000566 (0.0000168, 0.0001347)  | 0.00119 (0.00035, 0.00279) |
| Kalimantan Tengah | Falls                                         | 70  | 4.1 (1.7, 7.3)      | 0.0004207 (0.0001775, 0.0007522) | 0.00844 (0.00405, 0.01463) | 2.6 (1.3, 4.7)       | 0.0002821 (0.0001352, 0.0005019)  | 0.00594 (0.00287, 0.01042) |
| Kalimantan Tengah | Interpersonal violence                        | 70  | 0.5 (0.2, 1.2)      | 0.0000543 (0.0000176, 0.0001268) | 0.00109 (0.00038, 0.00250) | 0.3 (0.1, 0.7)       | 0.0000315 (0.0000106, 0.0000712)  | 0.00066 (0.00023, 0.00154) |
| Kalimantan Tengah | Self-harm                                     | 70  | 0.9 (0.3, 2.1)      | 0.0000935 (0.0000323, 0.0002137) | 0.00188 (0.00067, 0.00396) | 0.4 (0.1, 0.9)       | 0.0000416 (0.0000143, 0.0000949)  | 0.00088 (0.00030, 0.00197) |
| Kalimantan Tengah | Transport injuries                            | 70  | 5.5 (2.5, 10.0)     | 0.0005693 (0.0002552, 0.0010325) | 0.01145 (0.00563, 0.01902) | 2.2 (1.0, 3.8)       | 0.0002367 (0.0001101, 0.0004135)  | 0.00499 (0.00235, 0.00877) |
| Kalimantan Tengah | Other unintentional injuries                  | 70  | 5.3 (2.4, 9.4)      | 0.0005457 (0.0002505, 0.0009796) | 0.01094 (0.00534, 0.01857) | 2.3 (1.0, 3.9)       | 0.0002438 (0.0001110, 0.0004215)  | 0.00513 (0.00241, 0.00889) |
| Kalimantan Tengah | Diarrheal diseases                            | 75  | 15.4 (7.9, 26.3)    | 0.0033095 (0.0016993, 0.0056659) | 0.0476 (0.02697, 0.07530)  | 22.2 (13.9, 33.7)    | 0.0047853 (0.0029913, 0.0072593)  | 0.06447 (0.04038, 0.09468) |
| Kalimantan Tengah | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.4)      | 0.0000219 (0.0000026, 0.0000804) | 0.00031 (0.00004, 0.00118) | 0.1 (0.0, 0.4)       | 0.0000224 (0.0000027, 0.0000818)  | 0.0003 (0.00004, 0.00105)  |
| Kalimantan Tengah | Lower respiratory infections                  | 75  | 8.6 (3.2, 17.7)     | 0.0018519 (0.0006829, 0.0038160) | 0.02656 (0.01068, 0.04895) | 10.0 (4.1, 18.1)     | 0.0021628 (0.0008785, 0.0039114)  | 0.02916 (0.01200, 0.05157) |
| Kalimantan Tengah | Malaria                                       | 75  | 2.7 (0.5, 7.7)      | 0.0005718 (0.0001069, 0.0016651) | 0.00828 (0.00165, 0.02455) | 1.7 (0.3, 5.7)       | 0.0003709 (0.0000656, 0.0012371)  | 0.005 (0.00091, 0.01672)   |
| Kalimantan Tengah | Tuberculosis                                  | 75  | 21.5 (11.6, 34.4)   | 0.0046284 (0.0025045, 0.0074024) | 0.0667 (0.04037, 0.09758)  | 14.9 (8.3, 23.2)     | 0.0032081 (0.00017873, 0.0050100) | 0.04324 (0.02397, 0.06716) |
| Kalimantan Tengah | Other communicable diseases                   | 75  | 7.2 (3.2, 12.8)     | 0.0015428 (0.0006887, 0.0027481) | 0.02222 (0.01153, 0.03874) | 8.4 (4.4, 14.3)      | 0.0018023 (0.0009472, 0.0030761)  | 0.02428 (0.01274, 0.04062) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 75  | 2.7 (0.9, 6.7)      | 0.0005892 (0.0001832, 0.0014341) | 0.00852 (0.00275, 0.01975) | 0.8 (0.2, 1.9)       | 0.0001649 (0.0000511, 0.0004130)  | 0.00222 (0.00069, 0.00555) |
| Kalimantan Tengah | Breast cancer                                 | 75  | 0.1 (0.0, 0.2)      | 0.0000156 (0.0000031, 0.0000466) | 0.00022 (0.00004, 0.00067) | 2.2 (0.8, 4.5)       | 0.0004804 (0.0001688, 0.0009784)  | 0.00647 (0.00228, 0.01264) |
| Kalimantan Tengah | Cervical cancer                               | 75  |                     |                                  |                            | 1.3 (0.3, 3.2)       | 0.0002741 (0.0000574, 0.0006928)  | 0.0037 (0.00072, 0.00941)  |
| Kalimantan Tengah | Other malignant neoplasms                     | 75  | 4.8 (2.3, 8.3)      | 0.001028 (0.0005022, 0.0017901)  | 0.01482 (0.00810, 0.02363) | 4.4 (2.0, 8.1)       | 0.0009539 (0.0004340, 0.0017396)  | 0.01285 (0.00588, 0.02310) |
| Kalimantan Tengah | Cerebrovascular disease                       | 75  | 74.2 (49.3, 104.2)  | 0.0159723 (0.0106105, 0.0224274) | 0.23019 (0.18453, 0.27871) | 88.7 (71.0, 108.0)   | 0.0191143 (0.0153002, 0.0232811)  | 0.25764 (0.21234, 0.30714) |
| Kalimantan Tengah | Ischemic heart disease                        | 75  | 68.0 (43.1, 98.4)   | 0.0146249 (0.0092820, 0.0211699) | 0.21051 (0.16303, 0.26909) | 54.6 (39.5, 74.0)    | 0.0117733 (0.0085148, 0.0159507)  | 0.15854 (0.11699, 0.21063) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 75  | 17.3 (8.7, 30.6)    | 0.0037177 (0.0018794, 0.0065954) | 0.05346 (0.02901, 0.08582) | 20.5 (10.8, 33.3)    | 0.0044094 (0.0023341, 0.0071763)  | 0.05933 (0.03263, 0.09590) |
| Kalimantan Tengah | Diabetes mellitus                             | 75  | 11.9 (7.0, 17.8)    | 0.0025655 (0.0015010, 0.0038377) | 0.03702 (0.02473, 0.04977) | 39.3 (24.2, 57.5)    | 0.0084604 (0.0052078, 0.0123869)  | 0.114 (0.07163, 0.16245)   |
| Kalimantan Tengah | Chronic kidney disease                        | 75  | 8.4 (5.1, 12.8)     | 0.0018095 (0.0010994, 0.0027649) | 0.02608 (0.01878, 0.03590) | 7.7 (5.4, 10.7)      | 0.0016493 (0.0011651, 0.0022983)  | 0.02222 (0.01597, 0.03050) |
| Kalimantan Tengah | Cirrhosis                                     | 75  | 8.0 (4.5, 13.2)     | 0.0017153 (0.0009713, 0.0028473) | 0.02471 (0.01591, 0.03808) | 6.8 (3.2, 13.0)      | 0.0014561 (0.0006825, 0.0028016)  | 0.0196 (0.00912, 0.03644)  |
| Kalimantan Tengah | Chronic respiratory diseases                  | 75  | 31.0 (18.3, 48.0)   | 0.0066713 (0.0039483, 0.0103188) | 0.09596 (0.06588, 0.12934) | 20.4 (13.2, 30.0)    | 0.0044043 (0.0028541, 0.0064610)  | 0.0593 (0.03847, 0.08397)  |
| Kalimantan Tengah | Other non-communicable diseases               | 75  | 30.4 (19.4, 43.4)   | 0.0065477 (0.0041691, 0.0093349) | 0.0944 (0.06969, 0.12396)  | 34.1 (25.4, 45.2)    | 0.0073531 (0.0054645, 0.0097336)  | 0.09908 (0.07448, 0.12857) |
| Kalimantan Tengah | Drowning                                      | 75  | 0.7 (0.2, 1.9)      | 0.0001607 (0.0000461, 0.0004014) | 0.00231 (0.00067, 0.00554) | 0.6 (0.2, 1.4)       | 0.0001298 (0.0000416, 0.0003052)  | 0.00175 (0.00055, 0.00407) |
| Kalimantan Tengah | Falls                                         | 75  | 3.0 (1.3, 5.4)      | 0.0006346 (0.0002805, 0.0011516) | 0.00927 (0.00462, 0.01578) | 2.5 (1.3, 4.2)       | 0.0005363 (0.0002788, 0.0009031)  | 0.00723 (0.00381, 0.01198) |
| Kalimantan Tengah | Interpersonal violence                        | 75  | 0.3 (0.1, 0.8)      | 0.0000593 (0.0000139, 0.0001642) | 0.00085 (0.00022, 0.00224) | 0.2 (0.0, 0.4)       | 0.000348 (0.0000097, 0.0000936)   | 0.00047 (0.00013, 0.00126) |
| Kalimantan Tengah | Self-harm                                     | 75  | 0.6 (0.2, 1.4)      | 0.0001254 (0.0000409, 0.0003025) | 0.0018 (0.00060, 0.00400)  | 0.3 (0.1, 0.6)       | 0.0000547 (0.0000182, 0.0001242)  | 0.00074 (0.00024, 0.00167) |
| Kalimantan Tengah | Transport injuries                            | 75  | 2.6 (1.1, 5.1)      | 0.0005591 (0.0002314, 0.0010918) | 0.00806 (0.00355, 0.01428) | 1.3 (0.6, 2.4)       | 0.0002734 (0.0001202, 0.0005090)  | 0.00369 (0.00159, 0.00673) |
| Kalimantan Tengah | Other unintentional injuries                  | 75  | 3.3 (1.4, 6.1)      | 0.0007049 (0.0003119, 0.0013050) | 0.01013 (0.00506, 0.01737) | 1.6 (0.7, 2.9)       | 0.0003507 (0.0001608, 0.0006311)  | 0.00473 (0.00214, 0.00847) |
| Kalimantan Tengah | Diarrheal diseases                            | 80  | 49.4 (30.1, 76.0)   | 0.0115804 (0.0070546, 0.0178095) | 0.08426 (0.05314, 0.12044) | 84.8 (57.1, 117.2)   | 0.0154351 (0.0103994, 0.0213438)  | 0.09848 (0.06634, 0.13525) |
| Kalimantan Tengah | HIV/AIDS                                      | 80  | 0.2 (0.0, 0.8)      | 0.0000436 (0.0000039, 0.0001771) | 0.00032 (0.00003, 0.00128) | 0.3 (0.0, 1.0)       | 0.0000462 (0.0000042, 0.0001912)  | 0.00029 (0.00003, 0.00121) |
| Kalimantan Tengah | Lower respiratory infections                  | 80  | 19.2 (7.6, 36.8)    | 0.0044911 (0.0017875, 0.0086385) | 0.0326 (0.01371, 0.05955)  | 28.4 (14.4, 49.9)    | 0.0051727 (0.0025553, 0.0090822)  | 0.03302 (0.01464, 0.05820) |
| Kalimantan Tengah | Malaria                                       | 80  | 5.1 (0.8, 16.0)     | 0.0011921 (0.0001985, 0.0037427) | 0.00872 (0.00140, 0.02904) | 4.4 (0.7, 15.6)      | 0.0008099 (0.0001298, 0.0028465)  | 0.00517 (0.00083, 0.01839) |
| Kalimantan Tengah | Tuberculosis                                  | 80  | 33.7 (18.9, 53.8)   | 0.0079084 (0.0044426, 0.0126077) | 0.05759 (0.03345, 0.08837) | 34.5 (18.6, 55.6)    | 0.0062853 (0.0033806, 0.0101205)  | 0.04011 (0.02186, 0.06386) |
| Kalimantan Tengah | Other communicable diseases                   | 80  | 16.3 (8.1, 28.2)    | 0.0038254 (0.0019080, 0.0066065) | 0.02785 (0.01481, 0.04786) | 21.8 (11.4, 37.5)    | 0.0039765 (0.0020794, 0.0068295)  | 0.02536 (0.01354, 0.04292) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 80  | 3.8 (1.2, 8.8)      | 0.0008951 (0.0002719, 0.0020558) | 0.00653 (0.00203, 0.01509) | 1.6 (0.4, 3.8)       | 0.000284 (0.0000800, 0.0006929)   | 0.00181 (0.00051, 0.00440) |
| Kalimantan Tengah | Breast cancer                                 | 80  | 0.1 (0.0, 0.3)      | 0.0000196 (0.0000035, 0.0000597) | 0.00014 (0.00002, 0.00044) | 3.6 (1.2, 7.4)       | 0.0006638 (0.0002203, 0.0013486)  | 0.00423 (0.00136, 0.00859) |
| Kalimantan Tengah | Cervical cancer                               | 80  |                     |                                  |                            | 1.8 (0.3, 4.9)       | 0.0003356 (0.0000615, 0.0008905)  | 0.00214 (0.00039, 0.00574) |
| Kalimantan Tengah | Other malignant neoplasms                     | 80  | 6.7 (3.5, 11.3)     | 0.0015711 (0.0008128, 0.0026521) | 0.01144 (0.00624, 0.01849) | 8.8 (4.1, 15.6)      | 0.0015949 (0.0007453, 0.0028343)  | 0.01017 (0.00472, 0.01796) |
| Kalimantan Tengah | Cerebrovascular disease                       | 80  | 136.1 (99.9, 179.6) | 0.0319098 (0.0234170, 0.0421017) | 0.23242 (0.18628, 0.27934) | 222.5 (181.3, 266.2) | 0.0405166 (0.0330248, 0.0484766)  | 0.25854 (0.21198, 0.30769) |
| Kalimantan Tengah | Ischemic heart disease                        | 80  | 109.9 (75.8, 151.2) | 0.0257728 (0.0177635, 0.0354479) | 0.18753 (0.14286, 0.23999) | 133.4 (98.1, 178.0)  | 0.0242905 (0.0178720, 0.0324082)  | 0.15491 (0.11540, 0.20374) |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Males                  |                                  |                            | Females                |                                   |                            |
|--------------------|----------------------------------------------------------|-----|------------------------|----------------------------------|----------------------------|------------------------|-----------------------------------|----------------------------|
|                    |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                     | CF (95% UI)                |
| Kalimantan Tengah  | Other cardiovascular and circulatory diseases            | 80  | 28.7 (15.0, 48.8)      | 0.006728 (0.0035227, 0.0114487)  | 0.04893 (0.02726, 0.07966) | 46.9 (24.7, 78.0)      | 0.0085475 (0.0045073, 0.0141990)  | 0.05448 (0.03007, 0.08874) |
| Kalimantan Tengah  | Diabetes mellitus                                        | 80  | 16.6 (10.4, 23.4)      | 0.0038829 (0.0024359, 0.0054948) | 0.02831 (0.01839, 0.03908) | 79.7 (47.6, 117.3)     | 0.0145066 (0.0086657, 0.0213634)  | 0.09256 (0.05547, 0.13503) |
| Kalimantan Tengah  | Chronic kidney disease                                   | 80  | 11.7 (7.7, 17.1)       | 0.0027528 (0.0018005, 0.0040145) | 0.02005 (0.01438, 0.02827) | 15.8 (11.1, 22.1)      | 0.0028777 (0.0020155, 0.0040229)  | 0.01836 (0.01308, 0.02564) |
| Kalimantan Tengah  | Cirrhosis                                                | 80  | 12.5 (7.2, 19.6)       | 0.0029273 (0.0016995, 0.0046034) | 0.0213 (0.01281, 0.03250)  | 14.1 (6.4, 26.6)       | 0.0025701 (0.0011702, 0.0048400)  | 0.01639 (0.00743, 0.03001) |
| Kalimantan Tengah  | Chronic respiratory diseases                             | 80  | 54.8 (35.0, 80.4)      | 0.0128506 (0.0082051, 0.0188588) | 0.09347 (0.06435, 0.12737) | 49.4 (32.0, 72.5)      | 0.008995 (0.0058210, 0.0131961)   | 0.05736 (0.03748, 0.08287) |
| Kalimantan Tengah  | Other non-communicable diseases                          | 80  | 60.7 (42.4, 81.4)      | 0.0142226 (0.0099525, 0.0190864) | 0.10362 (0.07836, 0.13445) | 93.3 (69.7, 121.6)     | 0.0169855 (0.0126875, 0.0221478)  | 0.10837 (0.08096, 0.13977) |
| Kalimantan Tengah  | Drowning                                                 | 80  | 1.6 (0.4, 3.8)         | 0.0003692 (0.0001042, 0.0008905) | 0.00269 (0.00075, 0.00644) | 1.3 (0.4, 3.2)         | 0.0002446 (0.0000708, 0.0005840)  | 0.00156 (0.00047, 0.00364) |
| Kalimantan Tengah  | Falls                                                    | 80  | 7.9 (3.9, 14.2)        | 0.0018549 (0.0009082, 0.0033256) | 0.01349 (0.00692, 0.02324) | 7.5 (3.9, 13.0)        | 0.0013581 (0.0007058, 0.0023642)  | 0.00867 (0.00457, 0.01493) |
| Kalimantan Tengah  | Interpersonal violence                                   | 80  | 0.3 (0.1, 1.1)         | 0.0000816 (0.0000143, 0.0002615) | 0.00059 (0.00010, 0.00182) | 0.3 (0.1, 0.9)         | 0.0000535 (0.0000107, 0.0001606)  | 0.00034 (0.00007, 0.00104) |
| Kalimantan Tengah  | Self-harm                                                | 80  | 0.9 (0.3, 2.0)         | 0.0001999 (0.0000618, 0.0004684) | 0.00145 (0.00047, 0.00328) | 0.6 (0.2, 1.3)         | 0.0001009 (0.0000305, 0.0002443)  | 0.00064 (0.00019, 0.00156) |
| Kalimantan Tengah  | Transport injuries                                       | 80  | 4.3 (1.7, 8.0)         | 0.0009991 (0.0004034, 0.0018672) | 0.00728 (0.00316, 0.01310) | 2.5 (1.0, 4.8)         | 0.0004567 (0.0001799, 0.0008705)  | 0.00292 (0.00119, 0.00548) |
| Kalimantan Tengah  | Other unintentional injuries                             | 80  | 5.5 (2.5, 10.0)        | 0.0012933 (0.0005830, 0.0023433) | 0.00941 (0.00446, 0.01708) | 3.5 (1.6, 6.6)         | 0.0006432 (0.0002854, 0.0012078)  | 0.0041 (0.00180, 0.00780)  |
| Kalimantan Tengah  | Diarrheal diseases                                       | All | 262.5 (153.9, 408.7)   | 0.000212 (0.0001243, 0.0003301)  | 0.04227 (0.02624, 0.06334) | 319.4 (201.3, 466.9)   | 0.0002818 (0.0001776, 0.0004119)  | 0.05834 (0.03743, 0.08459) |
| Kalimantan Tengah  | HIV/AIDS                                                 | All | 31.2 (5.4, 88.7)       | 0.0000252 (0.0000043, 0.0000717) | 0.00502 (0.00088, 0.01399) | 19.3 (3.3, 57.9)       | 0.0000171 (0.0000029, 0.0000511)  | 0.00352 (0.00059, 0.01022) |
| Kalimantan Tengah  | Lower respiratory infections                             | All | 231.3 (122.3, 382.8)   | 0.0001868 (0.0000987, 0.0003091) | 0.03723 (0.02052, 0.05712) | 186.3 (103.4, 299.6)   | 0.0001643 (0.0000912, 0.0002643)  | 0.03401 (0.01891, 0.05369) |
| Kalimantan Tengah  | Malaria                                                  | All | 64.1 (14.7, 177.9)     | 0.0000518 (0.0000119, 0.0001437) | 0.01035 (0.00242, 0.02834) | 40.4 (9.0, 118.6)      | 0.0000357 (0.0000079, 0.0001047)  | 0.00739 (0.00172, 0.02212) |
| Kalimantan Tengah  | Tuberculosis                                             | All | 432.3 (275.2, 632.8)   | 0.0003491 (0.0002222, 0.0005111) | 0.06963 (0.04671, 0.09635) | 256.3 (154.2, 386.6)   | 0.0002261 (0.0001361, 0.0003411)  | 0.04681 (0.02922, 0.06866) |
| Kalimantan Tengah  | Maternal disorders                                       | All |                        |                                  |                            | 72.3 (47.0, 104.6)     | 0.0000638 (0.0000415, 0.0000923)  | 0.01319 (0.00904, 0.01849) |
| Kalimantan Tengah  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 124.0 (53.7, 222.6)    | 0.0001001 (0.0000434, 0.0001798) | 0.01995 (0.00904, 0.03557) | 91.2 (40.8, 174.6)     | 0.0000804 (0.0000360, 0.0001540)  | 0.01657 (0.00763, 0.03101) |
| Kalimantan Tengah  | Preterm birth complications                              | All | 101.0 (40.3, 198.5)    | 0.0000816 (0.0000326, 0.0001603) | 0.01624 (0.00665, 0.03108) | 100.6 (43.1, 190.7)    | 0.0000888 (0.0000380, 0.0001683)  | 0.01829 (0.00805, 0.03447) |
| Kalimantan Tengah  | Other neonatal disorders                                 | All | 94.1 (28.6, 192.5)     | 0.000076 (0.0000231, 0.0001555)  | 0.01514 (0.00465, 0.03123) | 68.5 (18.3, 154.9)     | 0.0000604 (0.0000161, 0.0001367)  | 0.01247 (0.00362, 0.02769) |
| Kalimantan Tengah  | Other communicable diseases                              | All | 434.2 (286.8, 617.8)   | 0.0003506 (0.0002316, 0.0004990) | 0.07005 (0.04737, 0.09658) | 327.6 (210.2, 493.9)   | 0.000289 (0.0001855, 0.0004358)   | 0.05977 (0.03966, 0.08564) |
| Kalimantan Tengah  | Tracheal, bronchus, and lung cancer                      | All | 57.4 (19.7, 126.3)     | 0.0000463 (0.0000159, 0.0001020) | 0.00923 (0.00315, 0.01979) | 19.9 (6.1, 47.2)       | 0.0000176 (0.0000054, 0.0000416)  | 0.00364 (0.00114, 0.00835) |
| Kalimantan Tengah  | Breast cancer                                            | All | 2.5 (0.7, 5.7)         | 0.000002 (0.0000006, 0.0000046)  | 0.0004 (0.00012, 0.00093)  | 121.9 (57.8, 213.4)    | 0.0001075 (0.0000510, 0.0001883)  | 0.02223 (0.01084, 0.03772) |
| Kalimantan Tengah  | Cervical cancer                                          | All |                        |                                  |                            | 64.0 (17.7, 137.6)     | 0.0000565 (0.0000156, 0.0001214)  | 0.01169 (0.00313, 0.02450) |
| Kalimantan Tengah  | Other malignant neoplasms                                | All | 200.3 (111.4, 316.2)   | 0.0001618 (0.0000900, 0.0002554) | 0.03228 (0.01881, 0.04917) | 116.9 (53.3, 217.1)    | 0.0001032 (0.0000470, 0.0001916)  | 0.02136 (0.01011, 0.03805) |
| Kalimantan Tengah  | Cerebrovascular disease                                  | All | 877.7 (618.5, 1,177.4) | 0.0007088 (0.0004995, 0.0009508) | 0.14119 (0.10885, 0.17561) | 907.8 (702.4, 1,135.7) | 0.0008009 (0.0006197, 0.0010020)  | 0.16592 (0.13437, 0.20303) |
| Kalimantan Tengah  | Ischemic heart disease                                   | All | 887.1 (610.4, 1,244.9) | 0.0007164 (0.0004929, 0.0010054) | 0.1426 (0.10680, 0.18268)  | 598.8 (424.7, 825.1)   | 0.0005283 (0.0003747, 0.0007279)  | 0.10935 (0.07906, 0.14643) |
| Kalimantan Tengah  | Other cardiovascular and circulatory diseases            | All | 191.0 (98.4, 329.7)    | 0.0001542 (0.0000795, 0.0002663) | 0.03068 (0.01660, 0.05157) | 208.7 (109.5, 345.0)   | 0.0001841 (0.0000966, 0.0003044)  | 0.03809 (0.02069, 0.06143) |
| Kalimantan Tengah  | Diabetes mellitus                                        | All | 249.0 (155.3, 351.3)   | 0.0002011 (0.0001254, 0.0002837) | 0.04009 (0.02716, 0.05410) | 637.8 (413.0, 906.4)   | 0.0005627 (0.0003644, 0.0007996)  | 0.11644 (0.07732, 0.16217) |
| Kalimantan Tengah  | Chronic kidney disease                                   | All | 185.5 (123.3, 267.0)   | 0.0001498 (0.0000995, 0.0002156) | 0.02987 (0.02153, 0.04060) | 149.4 (105.1, 207.1)   | 0.0001318 (0.0000927, 0.0001827)  | 0.02726 (0.01978, 0.03732) |
| Kalimantan Tengah  | Cirrhosis                                                | All | 238.7 (149.1, 369.7)   | 0.0001928 (0.0001204, 0.0002986) | 0.03843 (0.02535, 0.05626) | 149.1 (71.6, 278.9)    | 0.0001315 (0.0000632, 0.0002461)  | 0.02717 (0.01309, 0.04987) |
| Kalimantan Tengah  | Chronic respiratory diseases                             | All | 316.9 (188.1, 488.2)   | 0.0002559 (0.0001519, 0.0003943) | 0.05091 (0.03226, 0.07170) | 197.5 (120.3, 299.4)   | 0.0001742 (0.0001062, 0.0002642)  | 0.03605 (0.02238, 0.05287) |
| Kalimantan Tengah  | Other non-communicable diseases                          | All | 538.5 (394.7, 711.4)   | 0.0004349 (0.0003188, 0.0005746) | 0.0868 (0.06708, 0.10774)  | 536.3 (407.9, 684.3)   | 0.0004732 (0.0003598, 0.0006038)  | 0.09793 (0.07702, 0.12046) |
| Kalimantan Tengah  | Drowning                                                 | All | 83.7 (41.5, 144.1)     | 0.0000676 (0.0000335, 0.0001164) | 0.01353 (0.00662, 0.02234) | 30.5 (13.2, 58.0)      | 0.0000227 (0.0000116, 0.0000512)  | 0.00559 (0.00243, 0.01061) |
| Kalimantan Tengah  | Falls                                                    | All | 64.1 (32.1, 110.3)     | 0.0000518 (0.0000259, 0.0000891) | 0.01032 (0.00549, 0.01761) | 37.4 (19.1, 64.3)      | 0.000033 (0.0000169, 0.0000567)   | 0.00684 (0.00351, 0.01215) |
| Kalimantan Tengah  | Interpersonal violence                                   | All | 37.6 (20.3, 66.3)      | 0.0000303 (0.0000164, 0.0000536) | 0.00605 (0.00337, 0.01056) | 23.8 (11.7, 43.2)      | 0.000021 (0.0000103, 0.0000381)   | 0.00434 (0.00214, 0.00762) |
| Kalimantan Tengah  | Self-harm                                                | All | 27.1 (12.1, 53.2)      | 0.0000219 (0.0000097, 0.0000430) | 0.00436 (0.00198, 0.00845) | 13.8 (5.6, 28.1)       | 0.0000121 (0.0000049, 0.0000248)  | 0.00252 (0.00103, 0.00501) |
| Kalimantan Tengah  | Transport injuries                                       | All | 293.5 (182.0, 429.6)   | 0.0002379 (0.0001470, 0.0003469) | 0.04731 (0.03067, 0.06543) | 105.7 (62.6, 161.1)    | 0.0000933 (0.0000552, 0.0001422)  | 0.01932 (0.01148, 0.02901) |
| Kalimantan Tengah  | Other unintentional injuries                             | All | 186.5 (105.2, 292.3)   | 0.0001506 (0.0000849, 0.0002361) | 0.03004 (0.01778, 0.04564) | 76.1 (39.7, 120.6)     | 0.0000671 (0.0000351, 0.0001064)  | 0.01389 (0.00742, 0.02218) |
| Kalimantan Selatan | Diarrheal diseases                                       | NN  | 19.1 (6.9, 38.3)       | 0.0056452 (0.0020445, 0.0113048) | 0.01486 (0.00820, 0.02544) | 15.3 (5.8, 31.6)       | 0.0049121 (0.0018787, 0.0101502)  | 0.01643 (0.00928, 0.02751) |
| Kalimantan Selatan | Lower respiratory infections                             | NN  | 169.4 (79.4, 292.2)    | 0.0499484 (0.0234135, 0.0861398) | 0.13135 (0.09916, 0.17245) | 104.8 (46.8, 190.2)    | 0.0336927 (0.0150564, 0.0611443)  | 0.11244 (0.08022, 0.14939) |
| Kalimantan Selatan | Malaria                                                  | NN  | 1.8 (0.3, 5.9)         | 0.0005387 (0.0000896, 0.0017453) | 0.00142 (0.00027, 0.00443) | 1.1 (0.2, 4.1)         | 0.0003667 (0.0000567, 0.0013070)  | 0.00121 (0.00022, 0.00373) |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 440.7 (213.2, 711.7)   | 0.1299335 (0.0628532, 0.2098376) | 0.3417 (0.26440, 0.42051)  | 302.8 (146.1, 533.9)   | 0.097338 (0.0469527, 0.1716280)   | 0.3245 (0.24745, 0.40518)  |
| Kalimantan Selatan | Preterm birth complications                              | NN  | 271.7 (109.3, 473.9)   | 0.0801116 (0.0322223, 0.1397192) | 0.21104 (0.12622, 0.29468) | 243.9 (106.1, 443.7)   | 0.078407 (0.0341165, 0.1426056)   | 0.26214 (0.16721, 0.35130) |
| Kalimantan Selatan | Other neonatal disorders                                 | NN  | 171.1 (46.1, 377.0)    | 0.0504473 (0.0135840, 0.1111624) | 0.13261 (0.04610, 0.23723) | 109.7 (31.4, 244.8)    | 0.0352517 (0.0100843, 0.0786770)  | 0.11875 (0.04052, 0.22209) |
| Kalimantan Selatan | Other communicable diseases                              | NN  | 18.2 (6.8, 37.0)       | 0.005379 (0.0001941, 0.0108977)  | 0.01417 (0.00777, 0.02391) | 10.0 (3.7, 20.9)       | 0.000323 (0.00011915, 0.00067059) | 0.0108 (0.00564, 0.01861)  |
| Kalimantan Selatan | Other malignant neoplasms                                | NN  | 8.7 (3.1, 19.1)        | 0.0025628 (0.0009024, 0.0056241) | 0.00674 (0.00314, 0.01247) | 7.2 (2.5, 16.2)        | 0.0023012 (0.0007970, 0.0052008)  | 0.00772 (0.00344, 0.01474) |
| Kalimantan Selatan | Cerebrovascular disease                                  | NN  | 1.5 (0.4, 4.0)         | 0.0004542 (0.0001077, 0.0011880) | 0.0012 (0.00036, 0.00287)  | 1.6 (0.4, 4.5)         | 0.0005129 (0.0001309, 0.0014586)  | 0.00171 (0.00052, 0.00400) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | NN  | 2.5 (0.5, 6.8)         | 0.0007261 (0.0001554, 0.0020070) | 0.00191 (0.00052, 0.00448) | 2.6 (0.6, 7.2)         | 0.0008417 (0.0001944, 0.0023214)  | 0.00285 (0.00082, 0.00673) |
| Kalimantan Selatan | Diabetes mellitus                                        | NN  | 0.6 (0.0, 4.4)         | 0.0001668 (0.0000008, 0.0012945) | 0.00043 (0.00000, 0.00359) | 0.8 (0.0, 6.8)         | 0.0002622 (0.0000014, 0.0022004)  | 0.00089 (0.00001, 0.00693) |
| Kalimantan Selatan | Other non-communicable diseases                          | NN  | 122.5 (59.6, 199.5)    | 0.0361041 (0.0175792, 0.0588278) | 0.09489 (0.07598, 0.11451) | 112.5 (56.6, 189.5)    | 0.0361688 (0.0181837, 0.0609076)  | 0.12112 (0.09750, 0.14622) |
| Kalimantan Selatan | Drowning                                                 | NN  | 18.3 (5.7, 42.4)       | 0.0054076 (0.0016880, 0.0125079) | 0.01418 (0.00631, 0.02706) | 4.1 (1.2, 10.4)        | 0.0013299 (0.0003868, 0.0033318)  | 0.00444 (0.00175, 0.00923) |
| Kalimantan Selatan | Falls                                                    | NN  | 4.6 (1.2, 11.0)        | 0.0013465 (0.0003526, 0.0032544) | 0.00356 (0.00130, 0.00753) | 1.4 (0.4, 3.7)         | 0.0004653 (0.0001133, 0.0011860)  | 0.00156 (0.00054, 0.00344) |
| Kalimantan Selatan | Interpersonal violence                                   | NN  | 3.2 (0.9, 8.4)         | 0.000947 (0.0002552, 0.0024795)  | 0.00249 (0.00087, 0.00558) | 1.9 (0.5, 4.9)         | 0.0006177 (0.0001450, 0.0015644)  | 0.00206 (0.00070, 0.00461) |
| Kalimantan Selatan | Transport injuries                                       | NN  | 11.1 (3.3, 26.8)       | 0.0032664 (0.0009796, 0.0079035) | 0.00853 (0.00338, 0.01726) | 2.7 (0.8, 6.6)         | 0.0008563 (0.0002459, 0.0021307)  | 0.00285 (0.00108, 0.00607) |
| Kalimantan Selatan | Other unintentional injuries                             | NN  | 24.5 (8.1, 53.5)       | 0.0072312 (0.0023970, 0.0157608) | 0.01892 (0.00876, 0.03262) | 8.0 (2.7, 18.1)        | 0.0025636 (0.0008710, 0.0058217)  | 0.00854 (0.00400, 0.01523) |
| Kalimantan Selatan | Diarrheal diseases                                       | PNN | 178.2 (80.1, 313.0)    | 0.0042089 (0.0018913, 0.0073927) | 0.25345 (0.17170, 0.34344) | 183.5 (84.8, 322.4)    | 0.004726 (0.0021828, 0.0083032)   | 0.31206 (0.22282, 0.39947) |
| Kalimantan Selatan | HIV/AIDS                                                 | PNN | 3.5 (0.5, 11.3)        | 0.0000825 (0.0000119, 0.0002677) | 0.00493 (0.00082, 0.01468) | 2.7 (0.4, 9.2)         | 0.0000687 (0.0000094, 0.0002369)  | 0.00455 (0.00073, 0.01429) |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Deaths (95% UI)     | Males                            |                            |  | Deaths (95% UI)     | Females                          |                            |  |
|--------------------|----------------------------------------------------------|-----|---------------------|----------------------------------|----------------------------|--|---------------------|----------------------------------|----------------------------|--|
|                    |                                                          |     |                     | CSMR (95% UI)                    | CF (95% UI)                |  |                     | CSMR (95% UI)                    | CF (95% UI)                |  |
| Kalimantan Selatan | Lower respiratory infections                             | PNN | 133.4 (63.5, 227.9) | 0.0031514 (0.0014999, 0.0053838) | 0.19028 (0.14265, 0.24026) |  | 99.3 (44.5, 174.9)  | 0.0025585 (0.0001464, 0.0045045) | 0.1691 (0.12518, 0.21940)  |  |
| Kalimantan Selatan | Malaria                                                  | PNN | 16.4 (3.1, 54.7)    | 0.0003878 (0.0000724, 0.0012913) | 0.02345 (0.00499, 0.07226) |  | 13.3 (2.4, 46.5)    | 0.0003423 (0.0000621, 0.0011976) | 0.02234 (0.00486, 0.06685) |  |
| Kalimantan Selatan | Tuberculosis                                             | PNN | 24.5 (9.7, 50.1)    | 0.0005792 (0.0002300, 0.0011827) | 0.03491 (0.01910, 0.05781) |  | 20.2 (7.7, 43.5)    | 0.00052 (0.0001985, 0.0011190)   | 0.03445 (0.01794, 0.05803) |  |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 12.9 (3.4, 31.2)    | 0.0003052 (0.0000809, 0.0007369) | 0.01839 (0.00649, 0.04279) |  | 10.1 (2.5, 26.2)    | 0.0002605 (0.0000638, 0.0006750) | 0.01713 (0.00622, 0.04045) |  |
| Kalimantan Selatan | Preterm birth complications                              | PNN | 16.8 (5.5, 35.9)    | 0.0003957 (0.0001296, 0.0008470) | 0.02398 (0.00920, 0.04664) |  | 19.7 (5.7, 45.3)    | 0.0005076 (0.0001469, 0.0011659) | 0.03356 (0.01342, 0.06414) |  |
| Kalimantan Selatan | Other neonatal disorders                                 | PNN | 16.5 (2.9, 45.4)    | 0.0003889 (0.0000695, 0.0010735) | 0.02324 (0.00515, 0.05701) |  | 12.5 (2.3, 34.1)    | 0.000322 (0.0000597, 0.0008769)  | 0.02132 (0.00459, 0.05398) |  |
| Kalimantan Selatan | Other communicable diseases                              | PNN | 188.3 (89.6, 326.0) | 0.0044481 (0.0021156, 0.0076992) | 0.26855 (0.19036, 0.34845) |  | 134.2 (59.2, 250.1) | 0.0034556 (0.0015237, 0.0064410) | 0.22836 (0.15502, 0.30712) |  |
| Kalimantan Selatan | Other malignant neoplasms                                | PNN | 4.5 (1.6, 9.6)      | 0.0001056 (0.0000372, 0.0002275) | 0.00635 (0.00302, 0.01185) |  | 4.3 (1.4, 9.6)      | 0.0001116 (0.0000370, 0.0002462) | 0.00738 (0.00333, 0.01437) |  |
| Kalimantan Selatan | Cerebrovascular disease                                  | PNN | 0.8 (0.2, 2.0)      | 0.0000187 (0.0000046, 0.0000482) | 0.00113 (0.00034, 0.00273) |  | 1.0 (0.2, 2.6)      | 0.0000248 (0.0000064, 0.0000661) | 0.00164 (0.00049, 0.00386) |  |
| Kalimantan Selatan | Ischemic heart disease                                   | PNN | 0.4 (0.0, 1.9)      | 0.0000095 (0.0000007, 0.0000442) | 0.00058 (0.00004, 0.00256) |  | 0.5 (0.0, 2.2)      | 0.0000127 (0.0000008, 0.0000569) | 0.00085 (0.00006, 0.00379) |  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | PNN | 1.3 (0.3, 3.3)      | 0.0000298 (0.0000069, 0.0000785) | 0.00179 (0.00048, 0.00419) |  | 1.6 (0.4, 4.3)      | 0.0000409 (0.0000092, 0.0001117) | 0.00271 (0.00077, 0.00630) |  |
| Kalimantan Selatan | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.4)      | 0.0000069 (0.0000000, 0.0000563) | 0.0004 (0.00000, 0.00338)  |  | 0.5 (0.0, 4.2)      | 0.000013 (0.0000001, 0.0001084)  | 0.00085 (0.00000, 0.00668) |  |
| Kalimantan Selatan | Chronic kidney disease                                   | PNN | 4.4 (1.5, 9.5)      | 0.0001049 (0.0000351, 0.0002244) | 0.00632 (0.00285, 0.01203) |  | 4.0 (1.3, 8.8)      | 0.0001026 (0.0000331, 0.0002258) | 0.00681 (0.00301, 0.01319) |  |
| Kalimantan Selatan | Other non-communicable diseases                          | PNN | 62.4 (30.0, 102.6)  | 0.0014736 (0.0007091, 0.0024230) | 0.08896 (0.06967, 0.10723) |  | 67.6 (31.2, 118.8)  | 0.0017418 (0.0008030, 0.0030590) | 0.115 (0.09255, 0.13887)   |  |
| Kalimantan Selatan | Drowning                                                 | PNN | 11.5 (3.8, 24.1)    | 0.0002717 (0.0000904, 0.0005690) | 0.01634 (0.00754, 0.02982) |  | 3.1 (0.9, 7.3)      | 0.0000786 (0.0000232, 0.0001868) | 0.00518 (0.00211, 0.01043) |  |
| Kalimantan Selatan | Falls                                                    | PNN | 2.7 (0.9, 6.7)      | 0.000065 (0.0000202, 0.0001579)  | 0.00394 (0.00146, 0.00829) |  | 1.0 (0.3, 2.4)      | 0.0000265 (0.0000074, 0.0000628) | 0.00175 (0.00062, 0.00373) |  |
| Kalimantan Selatan | Interpersonal violence                                   | PNN | 1.9 (0.5, 4.7)      | 0.0000448 (0.0000122, 0.0001104) | 0.00269 (0.00100, 0.00590) |  | 1.3 (0.3, 3.3)      | 0.0000344 (0.0000082, 0.0000840) | 0.00226 (0.00078, 0.00495) |  |
| Kalimantan Selatan | Transport injuries                                       | PNN | 6.8 (2.1, 16.1)     | 0.0001615 (0.0000498, 0.0003805) | 0.00971 (0.00408, 0.01937) |  | 1.9 (0.6, 4.8)      | 0.0000499 (0.0000147, 0.0001243) | 0.00328 (0.00129, 0.00694) |  |
| Kalimantan Selatan | Other unintentional injuries                             | PNN | 14.5 (5.0, 30.0)    | 0.0003434 (0.0001177, 0.0007095) | 0.02059 (0.00992, 0.03468) |  | 5.6 (1.9, 12.5)     | 0.000144 (0.0000500, 0.0003222)  | 0.00941 (0.00452, 0.01622) |  |
| Kalimantan Selatan | Diarrheal diseases                                       | 1   | 39.6 (14.7, 81.2)   | 0.0002366 (0.0000878, 0.0004855) | 0.13748 (0.08620, 0.20439) |  | 57.5 (23.7, 111.0)  | 0.0003601 (0.0001483, 0.0006951) | 0.18637 (0.12455, 0.26451) |  |
| Kalimantan Selatan | HIV/AIDS                                                 | 1   | 1.8 (0.2, 6.3)      | 0.0000106 (0.0000015, 0.0000376) | 0.00608 (0.00111, 0.01814) |  | 1.9 (0.3, 7.2)      | 0.0000119 (0.0000016, 0.0000450) | 0.00612 (0.00101, 0.01890) |  |
| Kalimantan Selatan | Lower respiratory infections                             | 1   | 66.1 (25.0, 137.3)  | 0.0003954 (0.0001492, 0.0008207) | 0.2285 (0.17663, 0.28246)  |  | 69.2 (29.9, 137.5)  | 0.0004335 (0.0001875, 0.0008610) | 0.22307 (0.16629, 0.28328) |  |
| Kalimantan Selatan | Malaria                                                  | 1   | 3.0 (0.5, 10.2)     | 0.0000178 (0.0000027, 0.0000609) | 0.0103 (0.00217, 0.03196)  |  | 3.3 (0.6, 11.3)     | 0.0000209 (0.0000038, 0.0000705) | 0.01084 (0.00247, 0.03173) |  |
| Kalimantan Selatan | Tuberculosis                                             | 1   | 13.1 (4.4, 29.2)    | 0.0000781 (0.0000265, 0.0001745) | 0.04507 (0.02547, 0.07218) |  | 15.1 (5.5, 32.5)    | 0.0000946 (0.0000346, 0.0002035) | 0.04887 (0.02666, 0.07909) |  |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.3 (0.8, 9.4)      | 0.0000195 (0.0000047, 0.0000562) | 0.01132 (0.00380, 0.02580) |  | 3.4 (0.8, 9.7)      | 0.0000214 (0.0000050, 0.0000610) | 0.011 (0.00346, 0.02557)   |  |
| Kalimantan Selatan | Preterm birth complications                              | 1   | 0.8 (0.1, 3.1)      | 0.000005 (0.0000007, 0.0000187)  | 0.00283 (0.00056, 0.00857) |  | 1.3 (0.2, 4.6)      | 0.0000081 (0.0000013, 0.0000286) | 0.00415 (0.00084, 0.01241) |  |
| Kalimantan Selatan | Other neonatal disorders                                 | 1   | 0.6 (0.0, 4.9)      | 0.0000039 (0.0000000, 0.0000292) | 0.00213 (0.00002, 0.01459) |  | 0.6 (0.0, 4.4)      | 0.000004 (0.0000000, 0.0000278)  | 0.00201 (0.00001, 0.01280) |  |
| Kalimantan Selatan | Other communicable diseases                              | 1   | 90.9 (35.8, 183.2)  | 0.0005434 (0.0002140, 0.0010951) | 0.31397 (0.24607, 0.38806) |  | 93.5 (40.1, 184.2)  | 0.0005856 (0.0002512, 0.0011537) | 0.30125 (0.22567, 0.37962) |  |
| Kalimantan Selatan | Other malignant neoplasms                                | 1   | 1.4 (0.4, 3.5)      | 0.0000087 (0.0000026, 0.0000209) | 0.00505 (0.00236, 0.00963) |  | 2.1 (0.7, 4.9)      | 0.0000134 (0.0000043, 0.0000306) | 0.00697 (0.00318, 0.01374) |  |
| Kalimantan Selatan | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.8)      | 0.0000017 (0.0000003, 0.0000049) | 0.00099 (0.00029, 0.00244) |  | 0.5 (0.1, 1.4)      | 0.0000033 (0.0000008, 0.0000085) | 0.0017 (0.00052, 0.00403)  |  |
| Kalimantan Selatan | Ischemic heart disease                                   | 1   | 0.2 (0.0, 0.8)      | 0.0000009 (0.0000001, 0.0000046) | 0.00052 (0.00004, 0.00243) |  | 0.3 (0.0, 1.3)      | 0.0000017 (0.0000001, 0.0000084) | 0.00089 (0.00006, 0.00404) |  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | 1   | 0.4 (0.1, 1.2)      | 0.0000025 (0.0000005, 0.0000073) | 0.00146 (0.00039, 0.00358) |  | 0.8 (0.2, 2.4)      | 0.0000051 (0.0000012, 0.0000149) | 0.00263 (0.00075, 0.00639) |  |
| Kalimantan Selatan | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.7)      | 0.0000005 (0.0000000, 0.0000041) | 0.00033 (0.00000, 0.00263) |  | 0.2 (0.0, 1.7)      | 0.0000015 (0.0000000, 0.0000105) | 0.00081 (0.00000, 0.00617) |  |
| Kalimantan Selatan | Chronic kidney disease                                   | 1   | 1.4 (0.4, 3.5)      | 0.0000084 (0.0000024, 0.0000210) | 0.00486 (0.00216, 0.00969) |  | 1.9 (0.6, 4.7)      | 0.000012 (0.0000037, 0.0000297)  | 0.00622 (0.00276, 0.01227) |  |
| Kalimantan Selatan | Cirrhosis                                                | 1   | 2.8 (0.7, 7.4)      | 0.000017 (0.0000045, 0.0000442)  | 0.00983 (0.00394, 0.02026) |  | 2.4 (0.7, 6.0)      | 0.0000153 (0.0000042, 0.0000377) | 0.0079 (0.00308, 0.01695)  |  |
| Kalimantan Selatan | Chronic respiratory diseases                             | 1   | 3.7 (1.1, 9.1)      | 0.0000221 (0.0000064, 0.0000543) | 0.01284 (0.00539, 0.02400) |  | 2.4 (0.7, 6.1)      | 0.0000153 (0.0000041, 0.0000381) | 0.00787 (0.00284, 0.01636) |  |
| Kalimantan Selatan | Other non-communicable diseases                          | 1   | 20.5 (8.0, 42.6)    | 0.0001226 (0.0000479, 0.0002545) | 0.07087 (0.05209, 0.09058) |  | 33.7 (15.5, 67.7)   | 0.0002113 (0.0000974, 0.0004238) | 0.1089 (0.08456, 0.13508)  |  |
| Kalimantan Selatan | Drowning                                                 | 1   | 15.3 (4.9, 34.7)    | 0.0000916 (0.0000294, 0.0002077) | 0.05309 (0.02592, 0.08758) |  | 6.1 (2.0, 13.6)     | 0.0000385 (0.0000124, 0.0000854) | 0.01995 (0.00822, 0.03693) |  |
| Kalimantan Selatan | Falls                                                    | 1   | 2.6 (0.7, 6.9)      | 0.0000155 (0.0000040, 0.0000410) | 0.00896 (0.00360, 0.01833) |  | 1.4 (0.4, 3.6)      | 0.000009 (0.0000023, 0.0000224)  | 0.00467 (0.00167, 0.01003) |  |
| Kalimantan Selatan | Interpersonal violence                                   | 1   | 1.5 (0.4, 3.7)      | 0.0000087 (0.0000024, 0.0000223) | 0.00503 (0.00188, 0.00997) |  | 1.5 (0.4, 4.0)      | 0.0000096 (0.0000028, 0.0000253) | 0.00494 (0.00193, 0.01044) |  |
| Kalimantan Selatan | Transport injuries                                       | 1   | 8.2 (2.3, 19.8)     | 0.000049 (0.0000137, 0.0001187)  | 0.02818 (0.01301, 0.05168) |  | 3.5 (1.0, 8.9)      | 0.0000219 (0.0000065, 0.0000557) | 0.01124 (0.00485, 0.02140) |  |
| Kalimantan Selatan | Other unintentional injuries                             | 1   | 11.8 (3.7, 29.0)    | 0.0000704 (0.0000223, 0.0001735) | 0.04034 (0.02033, 0.06549) |  | 6.7 (2.2, 15.3)     | 0.0000423 (0.0000138, 0.0000957) | 0.02164 (0.01040, 0.03815) |  |
| Kalimantan Selatan | Diarrheal diseases                                       | 5   | 20.1 (12.1, 30.2)   | 0.0000958 (0.0000578, 0.0001443) | 0.10492 (0.06569, 0.16040) |  | 19.5 (12.3, 28.5)   | 0.0000987 (0.0000625, 0.0001444) | 0.15275 (0.09761, 0.22002) |  |
| Kalimantan Selatan | HIV/AIDS                                                 | 5   | 0.6 (0.1, 2.0)      | 0.000003 (0.0000004, 0.0000097)  | 0.00333 (0.00042, 0.01068) |  | 0.4 (0.1, 1.5)      | 0.0000023 (0.0000003, 0.0000076) | 0.00351 (0.00044, 0.01144) |  |
| Kalimantan Selatan | Lower respiratory infections                             | 5   | 22.8 (15.5, 31.4)   | 0.0001088 (0.0000740, 0.0001499) | 0.11915 (0.08246, 0.16142) |  | 15.7 (10.5, 22.2)   | 0.0000795 (0.0000530, 0.0001126) | 0.12307 (0.08343, 0.17175) |  |
| Kalimantan Selatan | Malaria                                                  | 5   | 1.5 (0.3, 4.5)      | 0.0000071 (0.0000015, 0.0000215) | 0.00783 (0.00172, 0.02384) |  | 1.1 (0.3, 3.1)      | 0.0000057 (0.0000013, 0.0000158) | 0.00881 (0.00205, 0.02471) |  |
| Kalimantan Selatan | Tuberculosis                                             | 5   | 6.4 (3.5, 10.5)     | 0.0000304 (0.0000168, 0.0000503) | 0.03334 (0.01849, 0.05483) |  | 4.9 (2.7, 8.4)      | 0.0000247 (0.0000138, 0.0000420) | 0.03828 (0.02165, 0.06362) |  |
| Kalimantan Selatan | Other communicable diseases                              | 5   | 45.3 (33.2, 59.1)   | 0.0002164 (0.0001585, 0.0002824) | 0.237 (0.17587, 0.29475)   |  | 31.1 (22.2, 40.4)   | 0.0001575 (0.0001127, 0.0002051) | 0.24379 (0.17521, 0.31234) |  |
| Kalimantan Selatan | Other malignant neoplasms                                | 5   | 5.7 (3.2, 9.3)      | 0.0000273 (0.0000152, 0.0000445) | 0.02986 (0.01689, 0.04875) |  | 5.7 (3.2, 9.0)      | 0.0000289 (0.0000163, 0.0000456) | 0.0447 (0.02510, 0.07073)  |  |
| Kalimantan Selatan | Cerebrovascular disease                                  | 5   | 0.8 (0.3, 1.5)      | 0.0000036 (0.0000016, 0.0000071) | 0.00396 (0.00179, 0.00785) |  | 0.9 (0.4, 1.8)      | 0.0000047 (0.0000022, 0.0000093) | 0.00728 (0.00336, 0.01419) |  |
| Kalimantan Selatan | Ischemic heart disease                                   | 5   | 0.5 (0.2, 1.0)      | 0.0000022 (0.0000008, 0.0000047) | 0.00237 (0.00086, 0.00514) |  | 0.6 (0.2, 1.1)      | 0.0000028 (0.0000011, 0.0000057) | 0.00436 (0.00169, 0.00896) |  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | 5   | 1.3 (0.5, 2.8)      | 0.000006 (0.0000023, 0.0000132)  | 0.00655 (0.00254, 0.01386) |  | 1.6 (0.7, 3.2)      | 0.000008 (0.0000034, 0.0000164)  | 0.01238 (0.00526, 0.02545) |  |
| Kalimantan Selatan | Diabetes mellitus                                        | 5   | 0.7 (0.2, 1.6)      | 0.0000034 (0.0000011, 0.0000078) | 0.00373 (0.00124, 0.00844) |  | 1.3 (0.5, 3.0)      | 0.0000067 (0.0000023, 0.0000151) | 0.01036 (0.00376, 0.02327) |  |
| Kalimantan Selatan | Chronic kidney disease                                   | 5   | 1.9 (0.9, 3.6)      | 0.000009 (0.0000042, 0.0000170)  | 0.00993 (0.00474, 0.01898) |  | 1.8 (0.9, 3.2)      | 0.0000089 (0.0000044, 0.0000162) | 0.01385 (0.00685, 0.02494) |  |
| Kalimantan Selatan | Cirrhosis                                                | 5   | 4.9 (2.5, 8.1)      | 0.0000233 (0.0000117, 0.0000387) | 0.0255 (0.01280, 0.04152)  |  | 2.9 (1.4, 5.0)      | 0.0000146 (0.0000073, 0.0000253) | 0.02257 (0.01147, 0.03904) |  |
| Kalimantan Selatan | Chronic respiratory diseases                             | 5   | 2.0 (0.8, 3.9)      | 0.0000094 (0.0000037, 0.0000186) | 0.01033 (0.00411, 0.02012) |  | 0.9 (0.3, 1.7)      | 0.0000043 (0.0000016, 0.0000088) | 0.00671 (0.00250, 0.01346) |  |
| Kalimantan Selatan | Other non-communicable diseases                          | 5   | 11.8 (7.9, 16.5)    | 0.0000562 (0.0000375, 0.0000790) | 0.06156 (0.04189, 0.08527) |  | 13.0 (9.0, 17.5)    | 0.000066 (0.0000456, 0.0000885)  | 0.10218 (0.07241, 0.13499) |  |
| Kalimantan Selatan | Drowning                                                 | 5   | 34.5 (22.1, 47.5)   | 0.0001648 (0.0001056, 0.0002267) | 0.18055 (0.11710, 0.24549) |  | 13.1 (7.4, 20.0)    | 0.0000663 (0.0000376, 0.0001015) | 0.10262 (0.05812, 0.15610) |  |
| Kalimantan Selatan | Falls                                                    | 5   | 3.2 (1.3, 6.2)      | 0.0000154 (0.0000060, 0.0000297) | 0.01688 (0.00680, 0.03063) |  | 1.5 (0.6, 3.0)      | 0.0000076 (0.0000030, 0.0000150) | 0.01175 (0.00457, 0.02277) |  |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|--------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Interpersonal violence                        | 5   | 0.8 (0.3, 1.8)      | 0.000039 (0.000015, 0.000086)    | 0.00426 (0.00170, 0.00929) | 0.7 (0.3, 1.5)    | 0.000036 (0.000015, 0.000074)    | 0.00556 (0.00225, 0.01151) |
| Kalimantan Selatan | Transport injuries                            | 5   | 19.0 (10.4, 30.0)   | 0.0000907 (0.0000496, 0.0001431) | 0.09928 (0.05539, 0.15833) | 7.2 (3.7, 12.7)   | 0.0000367 (0.0000187, 0.0000642) | 0.05669 (0.02948, 0.09877) |
| Kalimantan Selatan | Other unintentional injuries                  | 5   | 7.6 (4.0, 12.9)     | 0.0000362 (0.0000190, 0.0000616) | 0.03968 (0.02090, 0.06725) | 3.7 (1.8, 6.5)    | 0.0000186 (0.0000091, 0.0000331) | 0.02879 (0.01425, 0.05067) |
| Kalimantan Selatan | Diarrheal diseases                            | 10  | 9.7 (5.4, 15.7)     | 0.0000512 (0.0000284, 0.0000826) | 0.05523 (0.03085, 0.08935) | 9.2 (5.2, 14.5)   | 0.0000508 (0.0000288, 0.0000799) | 0.08194 (0.04817, 0.12908) |
| Kalimantan Selatan | HIV/AIDS                                      | 10  | 0.6 (0.1, 2.0)      | 0.0000032 (0.0000006, 0.0000105) | 0.00347 (0.00060, 0.01105) | 0.4 (0.1, 1.3)    | 0.0000022 (0.0000004, 0.0000069) | 0.00359 (0.00066, 0.01104) |
| Kalimantan Selatan | Lower respiratory infections                  | 10  | 14.2 (8.6, 21.3)    | 0.0000749 (0.0000450, 0.0001120) | 0.08081 (0.04981, 0.11813) | 9.1 (5.3, 13.8)   | 0.0000503 (0.0000293, 0.0000762) | 0.0812 (0.04865, 0.12297)  |
| Kalimantan Selatan | Malaria                                       | 10  | 3.0 (0.8, 7.8)      | 0.0000158 (0.0000044, 0.0000410) | 0.01703 (0.00481, 0.04446) | 2.1 (0.6, 5.4)    | 0.0000115 (0.0000036, 0.0000296) | 0.01861 (0.00529, 0.04737) |
| Kalimantan Selatan | Tuberculosis                                  | 10  | 13.9 (8.5, 20.7)    | 0.0000732 (0.0000445, 0.0001087) | 0.07899 (0.04810, 0.11714) | 9.6 (5.9, 14.5)   | 0.000053 (0.0000324, 0.0000801)  | 0.08556 (0.05372, 0.12536) |
| Kalimantan Selatan | Maternal disorders                            | 10  |                     |                                  |                            | 0.6 (0.1, 1.8)    | 0.0000034 (0.0000005, 0.0000097) | 0.00558 (0.00089, 0.01601) |
| Kalimantan Selatan | Other communicable diseases                   | 10  | 32.8 (24.0, 42.4)   | 0.0001726 (0.0001264, 0.0002227) | 0.18629 (0.13843, 0.23752) | 21.7 (15.7, 28.4) | 0.0001196 (0.0000865, 0.0001564) | 0.19308 (0.14050, 0.24957) |
| Kalimantan Selatan | Other malignant neoplasms                     | 10  | 8.3 (5.2, 12.3)     | 0.0000437 (0.0000272, 0.0000649) | 0.04717 (0.02952, 0.06920) | 7.8 (4.9, 11.6)   | 0.0000432 (0.0000268, 0.0000640) | 0.06974 (0.04338, 0.10074) |
| Kalimantan Selatan | Cerebrovascular disease                       | 10  | 1.2 (0.6, 2.1)      | 0.0000064 (0.0000034, 0.0000109) | 0.00687 (0.00378, 0.01165) | 1.4 (0.8, 2.3)    | 0.0000076 (0.0000043, 0.0000124) | 0.01232 (0.00696, 0.01998) |
| Kalimantan Selatan | Ischemic heart disease                        | 10  | 1.1 (0.5, 1.9)      | 0.0000058 (0.0000029, 0.0000098) | 0.00621 (0.00313, 0.01072) | 1.2 (0.7, 2.0)    | 0.0000067 (0.0000036, 0.0000112) | 0.01084 (0.00576, 0.01770) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 10  | 1.9 (0.9, 3.4)      | 0.0000098 (0.0000047, 0.0000178) | 0.01057 (0.00514, 0.01901) | 2.2 (1.1, 4.0)    | 0.000012 (0.0000058, 0.0000220)  | 0.0194 (0.00955, 0.03502)  |
| Kalimantan Selatan | Diabetes mellitus                             | 10  | 1.0 (0.5, 1.9)      | 0.0000053 (0.0000024, 0.0000099) | 0.0057 (0.00264, 0.01053)  | 1.7 (0.9, 3.1)    | 0.0000096 (0.0000048, 0.0000172) | 0.0155 (0.00757, 0.02757)  |
| Kalimantan Selatan | Chronic kidney disease                        | 10  | 2.7 (1.5, 4.4)      | 0.000014 (0.0000077, 0.0000232)  | 0.01515 (0.00837, 0.02485) | 2.3 (1.3, 3.7)    | 0.0000127 (0.0000072, 0.0000205) | 0.02047 (0.01196, 0.03299) |
| Kalimantan Selatan | Cirrhosis                                     | 10  | 5.5 (3.2, 8.6)      | 0.000029 (0.0000171, 0.0000451)  | 0.03129 (0.01938, 0.04801) | 3.1 (1.8, 5.1)    | 0.0000171 (0.0000100, 0.0000279) | 0.02763 (0.01619, 0.04399) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 10  | 3.6 (1.7, 6.2)      | 0.0000191 (0.0000090, 0.0000328) | 0.02058 (0.00999, 0.03477) | 1.5 (0.7, 2.6)    | 0.0000082 (0.0000037, 0.0000146) | 0.01316 (0.00591, 0.02397) |
| Kalimantan Selatan | Other non-communicable diseases               | 10  | 13.5 (9.7, 18.1)    | 0.0000712 (0.0000508, 0.0000952) | 0.07682 (0.05599, 0.10167) | 13.8 (10.0, 18.0) | 0.0000763 (0.0000549, 0.0000994) | 0.1231 (0.09072, 0.15732)  |
| Kalimantan Selatan | Drowning                                      | 10  | 19.3 (10.5, 29.5)   | 0.0001013 (0.0000554, 0.0001549) | 0.10939 (0.05978, 0.16497) | 6.6 (3.1, 11.0)   | 0.0000362 (0.0000173, 0.0000605) | 0.05845 (0.02843, 0.09843) |
| Kalimantan Selatan | Falls                                         | 10  | 3.0 (1.2, 5.9)      | 0.0000155 (0.0000064, 0.0000308) | 0.01677 (0.00679, 0.03327) | 1.3 (0.5, 2.5)    | 0.0000071 (0.0000028, 0.0000140) | 0.0114 (0.00448, 0.02275)  |
| Kalimantan Selatan | Interpersonal violence                        | 10  | 1.4 (0.7, 2.4)      | 0.0000072 (0.0000039, 0.0000125) | 0.00776 (0.00418, 0.01355) | 1.0 (0.5, 1.8)    | 0.0000057 (0.0000029, 0.0000101) | 0.00925 (0.00479, 0.01621) |
| Kalimantan Selatan | Self-harm                                     | 10  | 2.2 (1.0, 4.2)      | 0.0000114 (0.0000052, 0.0000221) | 0.01237 (0.00560, 0.02441) | 1.4 (0.6, 2.7)    | 0.0000078 (0.0000036, 0.0000151) | 0.01265 (0.00569, 0.02418) |
| Kalimantan Selatan | Transport injuries                            | 10  | 29.3 (19.3, 41.9)   | 0.0001542 (0.0001013, 0.0002204) | 0.1664 (0.10945, 0.23250)  | 10.8 (6.3, 16.7)  | 0.0000594 (0.0000348, 0.0000922) | 0.09582 (0.05666, 0.14729) |
| Kalimantan Selatan | Other unintentional injuries                  | 10  | 7.9 (4.6, 12.7)     | 0.0000418 (0.0000242, 0.0000668) | 0.04511 (0.02636, 0.07000) | 3.5 (1.8, 5.8)    | 0.0000191 (0.0000101, 0.0000322) | 0.03071 (0.01652, 0.05230) |
| Kalimantan Selatan | Diarrheal diseases                            | 15  | 7.9 (3.7, 14.6)     | 0.0000425 (0.0000201, 0.0000789) | 0.02401 (0.01162, 0.04421) | 5.4 (2.6, 9.9)    | 0.0000301 (0.0000143, 0.0000554) | 0.03078 (0.01466, 0.05578) |
| Kalimantan Selatan | HIV/AIDS                                      | 15  | 0.8 (0.1, 3.0)      | 0.0000045 (0.0000007, 0.0000165) | 0.00251 (0.00040, 0.00908) | 0.4 (0.1, 1.5)    | 0.0000023 (0.0000004, 0.0000083) | 0.00237 (0.00036, 0.00891) |
| Kalimantan Selatan | Lower respiratory infections                  | 15  | 10.8 (5.5, 18.5)    | 0.0000584 (0.0000299, 0.0001000) | 0.03295 (0.01731, 0.05382) | 4.7 (2.4, 8.2)    | 0.0000262 (0.0000133, 0.0000459) | 0.0268 (0.01350, 0.04621)  |
| Kalimantan Selatan | Malaria                                       | 15  | 9.1 (2.9, 20.9)     | 0.0000491 (0.0000154, 0.0001128) | 0.02776 (0.00891, 0.06311) | 5.0 (1.4, 11.7)   | 0.0000278 (0.0000081, 0.0000653) | 0.02846 (0.00824, 0.06667) |
| Kalimantan Selatan | Tuberculosis                                  | 15  | 33.0 (22.0, 45.6)   | 0.0001782 (0.0001187, 0.0002465) | 0.10063 (0.06966, 0.13580) | 16.7 (11.1, 23.7) | 0.0000935 (0.0000622, 0.0001326) | 0.09557 (0.06611, 0.13194) |
| Kalimantan Selatan | Maternal disorders                            | 15  |                     |                                  |                            | 8.9 (4.4, 15.2)   | 0.0000496 (0.0000244, 0.0000850) | 0.05065 (0.02537, 0.08674) |
| Kalimantan Selatan | Other communicable diseases                   | 15  | 33.4 (21.1, 48.0)   | 0.0001806 (0.0001138, 0.0002592) | 0.10196 (0.06754, 0.14100) | 15.3 (8.9, 22.9)  | 0.0000856 (0.0000498, 0.0001280) | 0.08752 (0.05296, 0.12814) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 15  | 1.4 (0.3, 3.4)      | 0.0000073 (0.0000017, 0.0000186) | 0.00412 (0.00097, 0.01054) | 0.4 (0.1, 1.1)    | 0.0000024 (0.0000006, 0.0000064) | 0.00241 (0.00058, 0.00662) |
| Kalimantan Selatan | Breast cancer                                 | 15  | - (0.0, 0.2)        | 0.0000002 (0.0000000, 0.0000009) | 0.00012 (0.00001, 0.00051) | 1.1 (0.3, 2.8)    | 0.0000061 (0.0000015, 0.0000155) | 0.00623 (0.00148, 0.01550) |
| Kalimantan Selatan | Cervical cancer                               | 15  |                     |                                  |                            | 1.0 (0.2, 3.0)    | 0.0000058 (0.0000013, 0.0000169) | 0.00593 (0.00130, 0.01769) |
| Kalimantan Selatan | Other malignant neoplasms                     | 15  | 13.3 (8.1, 20.0)    | 0.0000719 (0.0000438, 0.0001083) | 0.04062 (0.02484, 0.06070) | 12.6 (7.8, 19.3)  | 0.0000707 (0.0000433, 0.0001081) | 0.07218 (0.04488, 0.10474) |
| Kalimantan Selatan | Cerebrovascular disease                       | 15  | 3.2 (1.8, 5.3)      | 0.0000017 (0.0000096, 0.0000284) | 0.00962 (0.00567, 0.01614) | 2.8 (1.6, 4.6)    | 0.0000158 (0.0000088, 0.0000257) | 0.01614 (0.00914, 0.02591) |
| Kalimantan Selatan | Ischemic heart disease                        | 15  | 4.6 (2.5, 7.4)      | 0.0000248 (0.0000135, 0.0000399) | 0.01401 (0.00786, 0.02208) | 3.6 (2.0, 5.8)    | 0.0000202 (0.0000112, 0.0000322) | 0.02067 (0.01167, 0.03259) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 15  | 4.0 (1.9, 7.5)      | 0.0000214 (0.0000101, 0.0000405) | 0.01211 (0.00589, 0.02244) | 4.1 (1.9, 7.7)    | 0.000023 (0.0000105, 0.0000433)  | 0.02351 (0.01079, 0.04408) |
| Kalimantan Selatan | Diabetes mellitus                             | 15  | 2.1 (1.0, 3.9)      | 0.0000115 (0.0000054, 0.0000211) | 0.00649 (0.00309, 0.01167) | 3.4 (1.6, 5.9)    | 0.0000187 (0.0000089, 0.0000330) | 0.01916 (0.00925, 0.03220) |
| Kalimantan Selatan | Chronic kidney disease                        | 15  | 5.1 (2.9, 8.3)      | 0.0000275 (0.0000155, 0.0000450) | 0.01553 (0.00880, 0.02512) | 4.1 (2.3, 6.7)    | 0.0000229 (0.0000127, 0.0000377) | 0.02339 (0.01284, 0.03770) |
| Kalimantan Selatan | Cirrhosis                                     | 15  | 9.5 (5.6, 15.4)     | 0.0000512 (0.0000304, 0.0000829) | 0.02887 (0.01807, 0.04585) | 4.7 (2.6, 8.0)    | 0.000026 (0.0000145, 0.0000446)  | 0.02654 (0.01521, 0.04552) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 15  | 4.3 (2.1, 7.6)      | 0.0000231 (0.0000115, 0.0000409) | 0.01306 (0.00648, 0.02255) | 1.9 (0.9, 3.6)    | 0.0000105 (0.0000048, 0.0000199) | 0.01077 (0.00500, 0.01994) |
| Kalimantan Selatan | Other non-communicable diseases               | 15  | 22.4 (15.5, 31.1)   | 0.000121 (0.0000836, 0.0001677)  | 0.06831 (0.04860, 0.09090) | 18.9 (13.2, 25.6) | 0.0001058 (0.0000739, 0.0001428) | 0.10817 (0.07675, 0.14137) |
| Kalimantan Selatan | Drowning                                      | 15  | 17.7 (8.5, 31.0)    | 0.0000958 (0.0000460, 0.0001675) | 0.05425 (0.02611, 0.09386) | 4.4 (1.8, 8.5)    | 0.0000245 (0.0000101, 0.0000476) | 0.02507 (0.01027, 0.04793) |
| Kalimantan Selatan | Falls                                         | 15  | 4.3 (1.8, 8.0)      | 0.000023 (0.0000100, 0.0000433)  | 0.013 (0.00563, 0.02460)   | 1.5 (0.6, 3.0)    | 0.0000083 (0.0000033, 0.0000166) | 0.00848 (0.00340, 0.01657) |
| Kalimantan Selatan | Interpersonal violence                        | 15  | 4.2 (2.4, 6.7)      | 0.0000225 (0.0000129, 0.0000364) | 0.01272 (0.00761, 0.02044) | 3.0 (1.6, 5.2)    | 0.0000168 (0.0000088, 0.0000290) | 0.01721 (0.00887, 0.02975) |
| Kalimantan Selatan | Self-harm                                     | 15  | 5.5 (3.1, 8.8)      | 0.0000294 (0.0000166, 0.0000474) | 0.01663 (0.00965, 0.02666) | 3.5 (1.8, 6.0)    | 0.0000194 (0.0000103, 0.0000337) | 0.01983 (0.01065, 0.03372) |
| Kalimantan Selatan | Transport injuries                            | 15  | 114.8 (87.7, 141.2) | 0.0006199 (0.0004735, 0.0007627) | 0.34998 (0.28693, 0.41308) | 41.3 (29.9, 54.3) | 0.0002308 (0.0001670, 0.0003032) | 0.23595 (0.17720, 0.30054) |
| Kalimantan Selatan | Other unintentional injuries                  | 15  | 16.6 (10.1, 25.4)   | 0.0000898 (0.0000547, 0.0001372) | 0.05074 (0.03141, 0.07569) | 6.3 (3.4, 10.3)   | 0.0000354 (0.0000190, 0.0000576) | 0.0362 (0.01958, 0.05929)  |
| Kalimantan Selatan | Diarrheal diseases                            | 20  | 8.4 (4.2, 15.6)     | 0.0000479 (0.0000237, 0.0000887) | 0.01949 (0.00989, 0.03563) | 6.1 (2.9, 11.2)   | 0.0000344 (0.0000162, 0.0000631) | 0.02708 (0.01352, 0.04913) |
| Kalimantan Selatan | HIV/AIDS                                      | 20  | 3.2 (0.6, 9.6)      | 0.0000183 (0.0000036, 0.0000547) | 0.00742 (0.00150, 0.02138) | 1.6 (0.3, 4.8)    | 0.0000093 (0.0000018, 0.0000272) | 0.00731 (0.00143, 0.02082) |
| Kalimantan Selatan | Lower respiratory infections                  | 20  | 11.8 (5.9, 20.5)    | 0.000067 (0.0000335, 0.0001163)  | 0.02719 (0.01398, 0.04569) | 5.1 (2.6, 9.1)    | 0.0000287 (0.0000147, 0.0000515) | 0.02265 (0.01150, 0.04036) |
| Kalimantan Selatan | Malaria                                       | 20  | 13.3 (4.1, 29.6)    | 0.0000755 (0.0000232, 0.0001684) | 0.03073 (0.00998, 0.06834) | 6.9 (1.9, 15.7)   | 0.0000391 (0.0000109, 0.0000889) | 0.03079 (0.00870, 0.06830) |
| Kalimantan Selatan | Tuberculosis                                  | 20  | 77.5 (56.2, 101.8)  | 0.0004408 (0.0003197, 0.0005790) | 0.17926 (0.13721, 0.22629) | 34.4 (24.3, 46.5) | 0.0001941 (0.0001373, 0.0002625) | 0.15293 (0.11294, 0.19778) |
| Kalimantan Selatan | Maternal disorders                            | 20  |                     |                                  |                            | 10.8 (5.6, 19.0)  | 0.0000611 (0.0000316, 0.0001072) | 0.04808 (0.02574, 0.07910) |
| Kalimantan Selatan | Other communicable diseases                   | 20  | 45.6 (28.2, 64.7)   | 0.000259 (0.0001604, 0.0003681)  | 0.10531 (0.06885, 0.14633) | 22.7 (13.9, 33.2) | 0.000128 (0.0000782, 0.0001875)  | 0.10084 (0.06388, 0.14370) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 20  | 1.5 (0.4, 4.0)      | 0.0000084 (0.0000022, 0.0000230) | 0.00342 (0.00090, 0.00908) | 0.8 (0.2, 2.2)    | 0.0000046 (0.0000012, 0.0000126) | 0.0036 (0.00103, 0.00942)  |
| Kalimantan Selatan | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)      | 0.0000005 (0.0000001, 0.0000015) | 0.0002 (0.00003, 0.00062)  | 4.0 (1.4, 8.5)    | 0.0000228 (0.0000078, 0.0000477) | 0.01794 (0.00637, 0.03634) |
| Kalimantan Selatan | Cervical cancer                               | 20  |                     |                                  |                            | 2.7 (0.8, 6.5)    | 0.0000151 (0.0000046, 0.0000366) | 0.01192 (0.00378, 0.02830) |
| Kalimantan Selatan | Other malignant neoplasms                     | 20  | 16.4 (9.9, 25.1)    | 0.0000931 (0.0000560, 0.0001427) | 0.03789 (0.02326, 0.05742) | 17.0 (10.5, 25.6) | 0.0000959 (0.0000593, 0.0001447) | 0.07552 (0.04863, 0.10912) |
| Kalimantan Selatan | Cerebrovascular disease                       | 20  | 7.1 (4.3, 10.6)     | 0.0000401 (0.0000247, 0.0000601) | 0.01631 (0.01040, 0.02362) | 5.3 (3.3, 8.1)    | 0.0000299 (0.0000186, 0.0000456) | 0.02354 (0.01516, 0.03441) |



Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|--------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Ischemic heart disease                        | 20  | 9.9 (5.8, 15.2)     | 0.0000562 (0.0000333, 0.0000863) | 0.02284 (0.01433, 0.03367) | 5.1 (3.0, 7.8)    | 0.0000288 (0.0000171, 0.0000443) | 0.02276 (0.01387, 0.03392) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 20  | 7.4 (4.1, 12.2)     | 0.0000422 (0.0000232, 0.0000694) | 0.01719 (0.00957, 0.02774) | 6.9 (4.0, 11.1)   | 0.0000392 (0.0000223, 0.0000625) | 0.03089 (0.01758, 0.04945) |
| Kalimantan Selatan | Diabetes mellitus                             | 20  | 2.5 (1.3, 4.2)      | 0.0000142 (0.0000075, 0.0000238) | 0.00578 (0.00307, 0.00985) | 3.6 (1.9, 6.1)    | 0.0000205 (0.0000108, 0.0000344) | 0.01616 (0.00865, 0.02673) |
| Kalimantan Selatan | Chronic kidney disease                        | 20  | 9.8 (5.6, 15.2)     | 0.0000555 (0.0000318, 0.0000864) | 0.02257 (0.01356, 0.03453) | 7.0 (4.1, 11.0)   | 0.0000396 (0.0000230, 0.0000622) | 0.03125 (0.01923, 0.04711) |
| Kalimantan Selatan | Cirrhosis                                     | 20  | 17.7 (10.7, 26.6)   | 0.0001005 (0.0000610, 0.0001510) | 0.04083 (0.02575, 0.05910) | 8.5 (5.1, 13.7)   | 0.0000477 (0.0000288, 0.0000774) | 0.03764 (0.02254, 0.06007) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 20  | 11.5 (6.1, 18.6)    | 0.0000652 (0.0000349, 0.0001056) | 0.02652 (0.01449, 0.04077) | 5.9 (2.9, 9.6)    | 0.0000331 (0.0000165, 0.0000544) | 0.02611 (0.01363, 0.04142) |
| Kalimantan Selatan | Other non-communicable diseases               | 20  | 25.9 (17.5, 36.0)   | 0.0001471 (0.0000994, 0.0002047) | 0.05982 (0.04243, 0.08094) | 19.2 (12.8, 26.7) | 0.0001083 (0.0000724, 0.0001509) | 0.08531 (0.06088, 0.11206) |
| Kalimantan Selatan | Drowning                                      | 20  | 13.9 (6.0, 25.9)    | 0.0000789 (0.0000343, 0.0001471) | 0.0322 (0.01417, 0.05957)  | 3.4 (1.3, 6.7)    | 0.000019 (0.0000074, 0.0000375)  | 0.01503 (0.00589, 0.03027) |
| Kalimantan Selatan | Falls                                         | 20  | 4.6 (2.0, 8.4)      | 0.0000263 (0.0000111, 0.0000480) | 0.01068 (0.00455, 0.01950) | 1.5 (0.6, 3.0)    | 0.0000086 (0.0000035, 0.0000167) | 0.00675 (0.00265, 0.01297) |
| Kalimantan Selatan | Interpersonal violence                        | 20  | 6.1 (3.5, 10.0)     | 0.0000345 (0.0000201, 0.0000569) | 0.01406 (0.00840, 0.02269) | 3.4 (1.7, 6.0)    | 0.0000195 (0.0000098, 0.0000337) | 0.01533 (0.00799, 0.02659) |
| Kalimantan Selatan | Self-harm                                     | 20  | 6.9 (3.9, 11.2)     | 0.0000392 (0.0000224, 0.0000635) | 0.01595 (0.00949, 0.02567) | 3.4 (1.8, 6.0)    | 0.000019 (0.0000103, 0.0000337)  | 0.01496 (0.00798, 0.02560) |
| Kalimantan Selatan | Transport injuries                            | 20  | 110.1 (78.9, 143.3) | 0.000626 (0.0004484, 0.0008151)  | 0.2545 (0.19754, 0.31823)  | 32.5 (21.8, 45.1) | 0.0001833 (0.0001230, 0.0002547) | 0.14452 (0.10212, 0.20074) |
| Kalimantan Selatan | Other unintentional injuries                  | 20  | 21.5 (13.0, 33.4)   | 0.0001225 (0.0000737, 0.0001900) | 0.04984 (0.03032, 0.07589) | 7.0 (3.7, 11.5)   | 0.0000394 (0.0000211, 0.0000651) | 0.03111 (0.01666, 0.05036) |
| Kalimantan Selatan | Diarrheal diseases                            | 25  | 13.7 (6.9, 24.3)    | 0.0000736 (0.0000368, 0.0001305) | 0.02474 (0.01229, 0.04298) | 10.1 (4.9, 17.6)  | 0.0000539 (0.0000259, 0.0000939) | 0.03379 (0.01747, 0.05783) |
| Kalimantan Selatan | HIV/AIDS                                      | 25  | 6.8 (1.5, 18.8)     | 0.0000364 (0.0000078, 0.0001010) | 0.0122 (0.00264, 0.03432)  | 3.6 (0.8, 10.0)   | 0.0000191 (0.0000040, 0.0000533) | 0.01206 (0.00254, 0.03296) |
| Kalimantan Selatan | Lower respiratory infections                  | 25  | 14.4 (7.1, 25.4)    | 0.0000775 (0.0000383, 0.0001361) | 0.02598 (0.01320, 0.04460) | 6.2 (3.1, 11.2)   | 0.0000332 (0.0000165, 0.0000598) | 0.02084 (0.01092, 0.03590) |
| Kalimantan Selatan | Malaria                                       | 25  | 16.1 (5.3, 36.3)    | 0.0000865 (0.0000282, 0.0001948) | 0.02907 (0.00959, 0.06687) | 8.3 (2.4, 20.1)   | 0.0000444 (0.0000126, 0.0001070) | 0.02786 (0.00791, 0.06449) |
| Kalimantan Selatan | Tuberculosis                                  | 25  | 122.9 (91.2, 158.3) | 0.0006598 (0.0004895, 0.0008497) | 0.22164 (0.17384, 0.27052) | 52.3 (35.8, 71.4) | 0.0002783 (0.0001905, 0.0003800) | 0.17456 (0.13251, 0.21879) |
| Kalimantan Selatan | Maternal disorders                            | 25  |                     |                                  |                            | 13.5 (6.9, 23.9)  | 0.0000772 (0.0000368, 0.0001273) | 0.04517 (0.02427, 0.07445) |
| Kalimantan Selatan | Other communicable diseases                   | 25  | 55.6 (34.9, 80.0)   | 0.0002985 (0.0001875, 0.0004291) | 0.10027 (0.06492, 0.13996) | 28.5 (17.2, 42.6) | 0.0001516 (0.0000916, 0.0002268) | 0.09513 (0.06216, 0.13311) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 25  | 1.9 (0.5, 5.2)      | 0.0000102 (0.0000026, 0.0000280) | 0.00343 (0.00089, 0.00913) | 1.3 (0.4, 3.4)    | 0.0000069 (0.0000020, 0.0000181) | 0.0043 (0.00133, 0.01120)  |
| Kalimantan Selatan | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)      | 0.0000005 (0.0000001, 0.0000014) | 0.00017 (0.00003, 0.00045) | 9.9 (4.0, 18.1)   | 0.0000527 (0.0000211, 0.0000965) | 0.03294 (0.01370, 0.05756) |
| Kalimantan Selatan | Cervical cancer                               | 25  |                     |                                  |                            | 5.8 (2.0, 12.7)   | 0.000031 (0.0000107, 0.0000677)  | 0.01944 (0.00712, 0.04253) |
| Kalimantan Selatan | Other malignant neoplasms                     | 25  | 22.0 (13.3, 32.8)   | 0.0001178 (0.0000714, 0.0001761) | 0.03963 (0.02497, 0.05886) | 22.7 (13.7, 36.2) | 0.0001209 (0.0000727, 0.0001924) | 0.07575 (0.04967, 0.11217) |
| Kalimantan Selatan | Cerebrovascular disease                       | 25  | 15.6 (10.2, 22.5)   | 0.0000547 (0.0000261, 0.0001209) | 0.02869 (0.01928, 0.03912) | 10.7 (7.0, 15.6)  | 0.0000569 (0.0000375, 0.0000830) | 0.0357 (0.02492, 0.04950)  |
| Kalimantan Selatan | Ischemic heart disease                        | 25  | 24.8 (16.1, 35.6)   | 0.0001331 (0.0000863, 0.0001909) | 0.04469 (0.03016, 0.06091) | 10.2 (6.4, 15.1)  | 0.0000542 (0.0000338, 0.0000803) | 0.03404 (0.02248, 0.04752) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 25  | 11.5 (6.8, 18.3)    | 0.0000619 (0.0000366, 0.0000980) | 0.02081 (0.01252, 0.03280) | 10.6 (6.3, 16.6)  | 0.0000565 (0.0000337, 0.0000885) | 0.03547 (0.02164, 0.05428) |
| Kalimantan Selatan | Diabetes mellitus                             | 25  | 4.9 (2.8, 7.6)      | 0.0000263 (0.0000149, 0.0000409) | 0.00883 (0.00523, 0.01353) | 6.8 (3.9, 10.4)   | 0.000036 (0.0000210, 0.0000553)  | 0.02256 (0.01350, 0.03313) |
| Kalimantan Selatan | Chronic kidney disease                        | 25  | 12.8 (7.6, 19.3)    | 0.0000688 (0.0000406, 0.0001033) | 0.02313 (0.01429, 0.03389) | 8.7 (5.2, 13.5)   | 0.0000465 (0.0000276, 0.0000717) | 0.02919 (0.01852, 0.04251) |
| Kalimantan Selatan | Cirrhosis                                     | 25  | 28.5 (18.2, 41.6)   | 0.0001532 (0.0000978, 0.0002234) | 0.05141 (0.03440, 0.07132) | 13.3 (8.0, 20.6)  | 0.0000706 (0.0000423, 0.0001094) | 0.04431 (0.02844, 0.06613) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 25  | 15.0 (8.2, 23.6)    | 0.0000805 (0.0000441, 0.0001266) | 0.02706 (0.01526, 0.04131) | 8.6 (4.6, 13.9)   | 0.0000458 (0.0000242, 0.0000739) | 0.02875 (0.01605, 0.04490) |
| Kalimantan Selatan | Other non-communicable diseases               | 25  | 36.2 (24.8, 49.9)   | 0.0001945 (0.0001334, 0.0002681) | 0.06534 (0.04624, 0.08630) | 25.6 (17.0, 35.6) | 0.000136 (0.0000905, 0.0001897)  | 0.08525 (0.06134, 0.11018) |
| Kalimantan Selatan | Drowning                                      | 25  | 10.9 (4.2, 21.5)    | 0.0000583 (0.0000224, 0.0001153) | 0.01965 (0.00754, 0.03760) | 2.5 (0.9, 5.3)    | 0.0000133 (0.0000046, 0.0000284) | 0.00837 (0.00303, 0.01740) |
| Kalimantan Selatan | Falls                                         | 25  | 7.7 (3.4, 14.5)     | 0.0000412 (0.0000180, 0.0000776) | 0.01384 (0.00590, 0.02604) | 2.4 (1.0, 4.6)    | 0.0000126 (0.0000051, 0.0000245) | 0.00793 (0.00317, 0.01518) |
| Kalimantan Selatan | Interpersonal violence                        | 25  | 7.0 (4.0, 11.4)     | 0.0000375 (0.0000214, 0.0000614) | 0.01262 (0.00711, 0.02077) | 3.6 (1.8, 6.2)    | 0.0000189 (0.0000094, 0.0000332) | 0.01188 (0.00625, 0.01991) |
| Kalimantan Selatan | Self-harm                                     | 25  | 7.3 (4.1, 12.0)     | 0.0000393 (0.0000221, 0.0000645) | 0.01322 (0.00766, 0.02120) | 3.2 (1.7, 5.7)    | 0.0000168 (0.0000089, 0.0000304) | 0.01058 (0.00560, 0.01824) |
| Kalimantan Selatan | Transport injuries                            | 25  | 89.2 (60.1, 123.9)  | 0.0004788 (0.0003227, 0.0006648) | 0.16082 (0.11537, 0.21662) | 22.4 (13.3, 34.0) | 0.000119 (0.0000709, 0.0001809)  | 0.07474 (0.04822, 0.10978) |
| Kalimantan Selatan | Other unintentional injuries                  | 25  | 29.6 (17.5, 47.6)   | 0.0001587 (0.0000939, 0.0002552) | 0.05336 (0.03258, 0.08315) | 8.8 (4.6, 14.9)   | 0.0000468 (0.0000246, 0.0000796) | 0.02939 (0.01597, 0.04783) |
| Kalimantan Selatan | Diarrheal diseases                            | 30  | 16.3 (8.2, 28.3)    | 0.00009 (0.0000454, 0.0001567)   | 0.02559 (0.01306, 0.04347) | 11.6 (5.7, 20.3)  | 0.0000659 (0.0000324, 0.0001150) | 0.03223 (0.01668, 0.05222) |
| Kalimantan Selatan | HIV/AIDS                                      | 30  | 7.7 (1.6, 21.1)     | 0.0000425 (0.0000091, 0.0001170) | 0.01203 (0.00266, 0.03357) | 3.9 (0.9, 10.3)   | 0.0000224 (0.0000048, 0.0000606) | 0.01101 (0.00233, 0.03092) |
| Kalimantan Selatan | Lower respiratory infections                  | 30  | 14.3 (7.2, 25.6)    | 0.0000792 (0.0000397, 0.0001419) | 0.02247 (0.01149, 0.03806) | 6.3 (3.2, 11.2)   | 0.0000358 (0.0000179, 0.0000636) | 0.01755 (0.00910, 0.03052) |
| Kalimantan Selatan | Malaria                                       | 30  | 14.9 (4.8, 33.5)    | 0.0000827 (0.0000264, 0.0001858) | 0.02349 (0.00755, 0.05270) | 7.1 (2.1, 16.9)   | 0.0000402 (0.0000117, 0.0000959) | 0.01972 (0.00569, 0.04524) |
| Kalimantan Selatan | Tuberculosis                                  | 30  | 133.5 (99.0, 173.8) | 0.0007396 (0.0005486, 0.0009630) | 0.20999 (0.16639, 0.25691) | 54.8 (37.8, 75.7) | 0.000311 (0.0002145, 0.0004298)  | 0.15238 (0.11621, 0.19179) |
| Kalimantan Selatan | Maternal disorders                            | 30  |                     |                                  |                            | 20.6 (11.0, 34.1) | 0.0001168 (0.0000624, 0.0001934) | 0.05722 (0.03156, 0.09162) |
| Kalimantan Selatan | Other communicable diseases                   | 30  | 41.4 (23.4, 63.2)   | 0.0002295 (0.0001299, 0.0003501) | 0.06518 (0.03836, 0.09563) | 20.8 (11.3, 32.5) | 0.0001182 (0.0000641, 0.0001844) | 0.05789 (0.03388, 0.08736) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 30  | 4.2 (1.2, 10.3)     | 0.0000235 (0.0000067, 0.0000569) | 0.00667 (0.00197, 0.01652) | 1.7 (0.5, 4.2)    | 0.0000095 (0.0000030, 0.0000238) | 0.00465 (0.00154, 0.01113) |
| Kalimantan Selatan | Breast cancer                                 | 30  | 0.2 (0.0, 0.5)      | 0.0000008 (0.0000002, 0.0000026) | 0.00024 (0.00005, 0.00073) | 17.5 (7.6, 30.8)  | 0.0000996 (0.0000431, 0.0001746) | 0.04865 (0.02288, 0.08007) |
| Kalimantan Selatan | Cervical cancer                               | 30  |                     |                                  |                            | 10.7 (4.0, 22.7)  | 0.0000607 (0.0000226, 0.0001289) | 0.02975 (0.01160, 0.06197) |
| Kalimantan Selatan | Other malignant neoplasms                     | 30  | 37.0 (22.6, 55.0)   | 0.0002052 (0.0001254, 0.0003049) | 0.05833 (0.03694, 0.08392) | 26.4 (15.0, 43.6) | 0.0001499 (0.0000854, 0.0002474) | 0.07335 (0.04487, 0.11379) |
| Kalimantan Selatan | Cerebrovascular disease                       | 30  | 28.6 (19.5, 39.5)   | 0.0001585 (0.0001079, 0.0002190) | 0.04498 (0.03285, 0.06045) | 19.7 (13.2, 28.4) | 0.0001121 (0.0000750, 0.0001612) | 0.05494 (0.04012, 0.07338) |
| Kalimantan Selatan | Ischemic heart disease                        | 30  | 40.1 (26.7, 57.5)   | 0.0002219 (0.0001481, 0.0003186) | 0.06299 (0.04366, 0.08412) | 17.2 (11.1, 25.0) | 0.0000975 (0.0000629, 0.0001420) | 0.04784 (0.03216, 0.06613) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 30  | 16.9 (10.4, 26.6)   | 0.0000938 (0.0000576, 0.0001472) | 0.02665 (0.01674, 0.03969) | 14.9 (9.0, 23.1)  | 0.0000848 (0.0000514, 0.0001309) | 0.0416 (0.02642, 0.06230)  |
| Kalimantan Selatan | Diabetes mellitus                             | 30  | 9.5 (5.6, 14.0)     | 0.0000526 (0.0000309, 0.0000778) | 0.01492 (0.00925, 0.02145) | 12.3 (7.3, 18.2)  | 0.0000699 (0.0000414, 0.0001033) | 0.03426 (0.02198, 0.04881) |
| Kalimantan Selatan | Chronic kidney disease                        | 30  | 16.5 (10.0, 24.7)   | 0.0000916 (0.0000555, 0.0001370) | 0.026 (0.01669, 0.03831)   | 10.5 (6.4, 16.0)  | 0.0000597 (0.0000362, 0.0000911) | 0.02929 (0.01893, 0.04260) |
| Kalimantan Selatan | Cirrhosis                                     | 30  | 43.0 (28.2, 63.4)   | 0.0002381 (0.0001562, 0.0003515) | 0.06752 (0.04682, 0.09233) | 19.5 (12.1, 30.1) | 0.0001109 (0.0000687, 0.0001709) | 0.05434 (0.03604, 0.07975) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 30  | 19.6 (11.0, 29.9)   | 0.0001083 (0.0000612, 0.0001656) | 0.03078 (0.01814, 0.04538) | 10.1 (5.4, 15.8)  | 0.0000573 (0.0000308, 0.0000899) | 0.02806 (0.01603, 0.04173) |
| Kalimantan Selatan | Other non-communicable diseases               | 30  | 44.4 (30.5, 61.9)   | 0.0002461 (0.0001691, 0.0003427) | 0.06987 (0.05070, 0.09145) | 30.9 (20.9, 43.3) | 0.0001752 (0.0001187, 0.0002458) | 0.0858 (0.06310, 0.11047)  |
| Kalimantan Selatan | Drowning                                      | 30  | 12.6 (5.1, 24.3)    | 0.0000697 (0.0000283, 0.0001348) | 0.01986 (0.00798, 0.03868) | 3.3 (1.2, 6.8)    | 0.0000186 (0.0000068, 0.0000389) | 0.00909 (0.00348, 0.01791) |
| Kalimantan Selatan | Falls                                         | 30  | 9.7 (4.1, 17.9)     | 0.0000536 (0.0000229, 0.0000992) | 0.01524 (0.00664, 0.02818) | 3.3 (1.3, 6.4)    | 0.0000185 (0.0000074, 0.0000362) | 0.00908 (0.00371, 0.01762) |
| Kalimantan Selatan | Interpersonal violence                        | 30  | 6.1 (3.4, 10.4)     | 0.0000336 (0.0000189, 0.0000574) | 0.00958 (0.00547, 0.01604) | 3.1 (1.5, 5.5)    | 0.0000173 (0.0000087, 0.0000312) | 0.00849 (0.00455, 0.01449) |
| Kalimantan Selatan | Self-harm                                     | 30  | 6.3 (3.4, 10.3)     | 0.0000349 (0.0000189, 0.0000572) | 0.00993 (0.00538, 0.01636) | 2.6 (1.4, 4.8)    | 0.000015 (0.0000079, 0.0000271)  | 0.00737 (0.00382, 0.01332) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|--------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Transport injuries                            | 30  | 83.3 (55.1, 121.2)   | 0.0004614 (0.0003052, 0.0006716) | 0.13103 (0.09026, 0.18178) | 21.6 (12.5, 33.8)  | 0.0001229 (0.0000712, 0.0001920) | 0.06025 (0.03772, 0.09230) |
| Kalimantan Selatan | Other unintentional injuries                  | 30  | 29.6 (17.3, 47.6)    | 0.000164 (0.0000956, 0.0002638)  | 0.04666 (0.02901, 0.07343) | 9.1 (4.8, 15.6)    | 0.0000514 (0.0000274, 0.0000886) | 0.0252 (0.01400, 0.04183)  |
| Kalimantan Selatan | Diarrheal diseases                            | 35  | 15.2 (7.5, 27.4)     | 0.0000881 (0.0000436, 0.0001591) | 0.01959 (0.00973, 0.03391) | 12.8 (6.2, 22.3)   | 0.0000771 (0.0000369, 0.0001341) | 0.02542 (0.01307, 0.04335) |
| Kalimantan Selatan | HIV/AIDS                                      | 35  | 6.9 (1.4, 20.5)      | 0.0000403 (0.0000080, 0.0001192) | 0.00893 (0.00184, 0.02534) | 4.1 (0.8, 11.9)    | 0.0000246 (0.0000048, 0.0000713) | 0.00814 (0.00164, 0.02375) |
| Kalimantan Selatan | Lower respiratory infections                  | 35  | 15.8 (7.8, 28.3)     | 0.0000914 (0.0000454, 0.0001644) | 0.02029 (0.01022, 0.03450) | 8.2 (4.1, 14.4)    | 0.0000494 (0.0000246, 0.0000865) | 0.01632 (0.00825, 0.02784) |
| Kalimantan Selatan | Malaria                                       | 35  | 14.3 (4.5, 32.6)     | 0.0000827 (0.0000264, 0.0001889) | 0.01839 (0.00607, 0.04122) | 7.5 (2.2, 17.9)    | 0.0000452 (0.0000129, 0.0001072) | 0.01494 (0.00426, 0.03499) |
| Kalimantan Selatan | Tuberculosis                                  | 35  | 151.3 (111.3, 197.3) | 0.0008778 (0.0006458, 0.0011444) | 0.1951 (0.15600, 0.23907)  | 68.3 (46.3, 96.2)  | 0.0004097 (0.0002778, 0.0005774) | 0.13535 (0.0181, 0.17384)  |
| Kalimantan Selatan | Maternal disorders                            | 35  |                      |                                  |                            | 25.5 (13.5, 42.7)  | 0.0001533 (0.0000810, 0.0002562) | 0.05066 (0.02713, 0.08143) |
| Kalimantan Selatan | Other communicable diseases                   | 35  | 39.0 (22.6, 60.4)    | 0.0002264 (0.0001314, 0.0003505) | 0.05031 (0.03052, 0.07499) | 23.7 (13.2, 36.6)  | 0.000142 (0.0000790, 0.0002198)  | 0.04686 (0.02760, 0.07172) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 35  | 5.0 (1.5, 12.3)      | 0.0000287 (0.0000084, 0.0000712) | 0.00638 (0.00193, 0.01538) | 2.6 (0.9, 6.4)     | 0.0000156 (0.0000053, 0.0000385) | 0.00513 (0.00180, 0.01169) |
| Kalimantan Selatan | Breast cancer                                 | 35  | 0.3 (0.1, 0.9)       | 0.0000017 (0.0000003, 0.0000053) | 0.00039 (0.00008, 0.00112) | 30.1 (13.1, 53.1)  | 0.0001804 (0.0000788, 0.0003186) | 0.05937 (0.02876, 0.09608) |
| Kalimantan Selatan | Cervical cancer                               | 35  |                      |                                  |                            | 21.1 (8.7, 42.2)   | 0.0001267 (0.0000525, 0.0002530) | 0.04187 (0.01771, 0.08203) |
| Kalimantan Selatan | Other malignant neoplasms                     | 35  | 56.1 (34.8, 82.2)    | 0.0003252 (0.0002016, 0.0004766) | 0.07235 (0.04770, 0.10562) | 34.2 (19.1, 57.7)  | 0.0002052 (0.0001149, 0.0003465) | 0.06774 (0.04033, 0.10842) |
| Kalimantan Selatan | Cerebrovascular disease                       | 35  | 53.0 (36.4, 72.6)    | 0.0003073 (0.0002114, 0.0004209) | 0.06826 (0.05092, 0.08901) | 39.4 (26.8, 55.8)  | 0.0002364 (0.0001608, 0.0003348) | 0.0781 (0.05864, 0.10104)  |
| Kalimantan Selatan | Ischemic heart disease                        | 35  | 67.7 (47.4, 96.6)    | 0.0003926 (0.0002752, 0.0005604) | 0.08724 (0.06329, 0.11342) | 30.7 (20.1, 44.9)  | 0.0001842 (0.0001208, 0.0002697) | 0.06091 (0.04239, 0.08154) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 35  | 25.3 (15.6, 39.8)    | 0.0001469 (0.0000906, 0.0002306) | 0.03268 (0.02054, 0.04849) | 23.7 (14.4, 36.6)  | 0.0001421 (0.0000862, 0.0002196) | 0.04696 (0.03015, 0.06927) |
| Kalimantan Selatan | Diabetes mellitus                             | 35  | 20.2 (12.3, 29.1)    | 0.0001169 (0.0000714, 0.0001689) | 0.02598 (0.01677, 0.03676) | 27.0 (16.8, 39.4)  | 0.0001618 (0.0001011, 0.0002365) | 0.05343 (0.03543, 0.07357) |
| Kalimantan Selatan | Chronic kidney disease                        | 35  | 22.3 (13.6, 33.2)    | 0.0001294 (0.0000787, 0.0001928) | 0.02876 (0.01873, 0.04095) | 14.6 (9.0, 22.2)   | 0.0000875 (0.0000542, 0.0001330) | 0.02893 (0.01917, 0.04211) |
| Kalimantan Selatan | Cirrhosis                                     | 35  | 60.4 (40.0, 90.8)    | 0.0003502 (0.0002321, 0.0005269) | 0.0777 (0.05457, 0.10810)  | 29.6 (18.2, 47.0)  | 0.0001778 (0.0001095, 0.0002818) | 0.0587 (0.03958, 0.08636)  |
| Kalimantan Selatan | Chronic respiratory diseases                  | 35  | 26.2 (15.3, 40.2)    | 0.0001518 (0.0000890, 0.0002329) | 0.03375 (0.02026, 0.05001) | 14.1 (7.9, 22.2)   | 0.0000845 (0.0000474, 0.0001331) | 0.0279 (0.01637, 0.04275)  |
| Kalimantan Selatan | Other non-communicable diseases               | 35  | 53.6 (36.9, 75.7)    | 0.000311 (0.0002143, 0.0004392)  | 0.06911 (0.05064, 0.09060) | 40.0 (27.1, 57.1)  | 0.00024 (0.0001626, 0.0003430)   | 0.07922 (0.05784, 0.10334) |
| Kalimantan Selatan | Drowning                                      | 35  | 16.5 (6.9, 31.7)     | 0.0000959 (0.0000400, 0.0001839) | 0.02139 (0.00899, 0.04092) | 5.3 (2.0, 10.9)    | 0.000032 (0.0000123, 0.0000652)  | 0.01059 (0.00426, 0.02015) |
| Kalimantan Selatan | Falls                                         | 35  | 10.5 (4.4, 19.8)     | 0.0000607 (0.0000256, 0.0001148) | 0.01348 (0.00589, 0.02559) | 4.2 (1.7, 8.5)     | 0.0000253 (0.0000102, 0.0000511) | 0.00834 (0.00347, 0.01618) |
| Kalimantan Selatan | Interpersonal violence                        | 35  | 5.8 (3.1, 9.7)       | 0.0000336 (0.0000181, 0.0000561) | 0.00749 (0.00428, 0.01236) | 3.1 (1.5, 5.7)     | 0.0000187 (0.0000093, 0.0000343) | 0.00617 (0.00317, 0.01090) |
| Kalimantan Selatan | Self-harm                                     | 35  | 6.5 (3.4, 11.0)      | 0.0000378 (0.0000195, 0.0000639) | 0.0084 (0.00455, 0.01405)  | 2.9 (1.4, 5.1)     | 0.0000171 (0.0000085, 0.0000307) | 0.00567 (0.00290, 0.01009) |
| Kalimantan Selatan | Transport injuries                            | 35  | 73.4 (45.2, 111.7)   | 0.0004259 (0.0002624, 0.0006478) | 0.09466 (0.06152, 0.13848) | 21.5 (11.9, 35.0)  | 0.000129 (0.0000712, 0.0002101)  | 0.04262 (0.02539, 0.06579) |
| Kalimantan Selatan | Other unintentional injuries                  | 35  | 30.5 (17.4, 49.5)    | 0.0001768 (0.0001010, 0.0002871) | 0.03938 (0.02235, 0.06124) | 10.4 (5.4, 17.5)   | 0.0000625 (0.0000324, 0.0001049) | 0.02066 (0.01128, 0.03362) |
| Kalimantan Selatan | Diarrheal diseases                            | 40  | 17.1 (8.7, 30.1)     | 0.0001144 (0.0000580, 0.0002017) | 0.01764 (0.00924, 0.03004) | 16.0 (8.4, 27.4)   | 0.0001129 (0.0000594, 0.0001925) | 0.02616 (0.01468, 0.04287) |
| Kalimantan Selatan | HIV/AIDS                                      | 40  | 3.8 (0.8, 11.2)      | 0.0000256 (0.0000051, 0.0000751) | 0.00394 (0.00080, 0.01157) | 2.4 (0.5, 7.2)     | 0.0000171 (0.0000032, 0.0000505) | 0.00398 (0.00078, 0.01153) |
| Kalimantan Selatan | Lower respiratory infections                  | 40  | 15.9 (7.9, 28.4)     | 0.0001065 (0.0000531, 0.0001900) | 0.01638 (0.00854, 0.02708) | 9.6 (4.8, 16.4)    | 0.0000675 (0.0000338, 0.0001152) | 0.01566 (0.00818, 0.02612) |
| Kalimantan Selatan | Malaria                                       | 40  | 15.1 (4.8, 34.3)     | 0.0001011 (0.0000323, 0.0002294) | 0.0156 (0.00507, 0.03408)  | 8.3 (2.3, 20.1)    | 0.0000582 (0.0000164, 0.0001416) | 0.01352 (0.00386, 0.03150) |
| Kalimantan Selatan | Tuberculosis                                  | 40  | 146.6 (107.9, 199.6) | 0.0009814 (0.0007224, 0.0013364) | 0.15121 (0.11793, 0.18613) | 70.9 (49.2, 97.0)  | 0.0004988 (0.0003462, 0.0006826) | 0.11582 (0.08747, 0.14789) |
| Kalimantan Selatan | Maternal disorders                            | 40  |                      |                                  |                            | 7.7 (3.5, 14.9)    | 0.0000544 (0.0000248, 0.0001052) | 0.01263 (0.00600, 0.02403) |
| Kalimantan Selatan | Other communicable diseases                   | 40  | 39.3 (22.1, 63.3)    | 0.000263 (0.0001478, 0.0004238)  | 0.04052 (0.02382, 0.06079) | 26.9 (15.4, 43.1)  | 0.0001895 (0.0001082, 0.0003036) | 0.04402 (0.02675, 0.06559) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 40  | 7.8 (2.8, 18.5)      | 0.0000523 (0.0000186, 0.0001241) | 0.00807 (0.00294, 0.01863) | 3.3 (1.2, 7.9)     | 0.0000234 (0.0000086, 0.0000555) | 0.00542 (0.00199, 0.01263) |
| Kalimantan Selatan | Breast cancer                                 | 40  | 0.7 (0.2, 1.9)       | 0.0000048 (0.0000012, 0.0000130) | 0.00075 (0.00018, 0.00199) | 40.6 (18.4, 69.6)  | 0.000286 (0.0001291, 0.0004895)  | 0.0662 (0.03225, 0.10557)  |
| Kalimantan Selatan | Cervical cancer                               | 40  |                      |                                  |                            | 29.7 (12.8, 59.2)  | 0.000209 (0.0000899, 0.0004165)  | 0.04853 (0.02107, 0.09409) |
| Kalimantan Selatan | Other malignant neoplasms                     | 40  | 91.5 (58.6, 131.2)   | 0.0006127 (0.0003927, 0.0008785) | 0.09458 (0.06263, 0.13261) | 37.5 (20.6, 65.3)  | 0.0002639 (0.0001447, 0.0004593) | 0.06122 (0.03593, 0.10176) |
| Kalimantan Selatan | Cerebrovascular disease                       | 40  | 94.8 (67.7, 129.7)   | 0.0006349 (0.0004536, 0.0008687) | 0.09784 (0.07556, 0.12573) | 65.8 (46.6, 89.6)  | 0.0004632 (0.0003279, 0.0006302) | 0.10755 (0.08299, 0.13640) |
| Kalimantan Selatan | Ischemic heart disease                        | 40  | 109.1 (76.9, 154.3)  | 0.0007304 (0.0005147, 0.0010333) | 0.11258 (0.08365, 0.14396) | 48.6 (32.9, 68.3)  | 0.000342 (0.0002313, 0.0004808)  | 0.07948 (0.05701, 0.10422) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 40  | 41.7 (25.3, 65.3)    | 0.0002791 (0.0001696, 0.0004371) | 0.04307 (0.02717, 0.06486) | 34.1 (21.3, 53.3)  | 0.0002402 (0.0001496, 0.0003751) | 0.05577 (0.03606, 0.08160) |
| Kalimantan Selatan | Diabetes mellitus                             | 40  | 47.4 (30.7, 67.6)    | 0.0003177 (0.0002056, 0.0004528) | 0.04896 (0.03319, 0.06611) | 55.0 (35.4, 78.3)  | 0.0003869 (0.0002490, 0.0005510) | 0.08982 (0.06184, 0.11927) |
| Kalimantan Selatan | Chronic kidney disease                        | 40  | 32.2 (19.9, 48.6)    | 0.0002154 (0.0001332, 0.0003257) | 0.03322 (0.02167, 0.04748) | 18.3 (11.6, 27.6)  | 0.0001287 (0.0000815, 0.0001943) | 0.0299 (0.01983, 0.04334)  |
| Kalimantan Selatan | Cirrhosis                                     | 40  | 83.1 (54.0, 127.6)   | 0.0005568 (0.0003617, 0.0008547) | 0.08569 (0.06039, 0.12102) | 37.4 (23.8, 57.7)  | 0.0002632 (0.0001678, 0.0004061) | 0.06107 (0.04079, 0.09192) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 40  | 38.4 (23.1, 58.5)    | 0.0002573 (0.0001545, 0.0003921) | 0.03969 (0.02454, 0.05793) | 16.9 (9.6, 26.4)   | 0.000119 (0.0000677, 0.0001841)  | 0.02762 (0.01679, 0.04085) |
| Kalimantan Selatan | Other non-communicable diseases               | 40  | 66.7 (45.9, 96.6)    | 0.0004465 (0.0003073, 0.0006468) | 0.06882 (0.05034, 0.09097) | 45.2 (30.5, 64.0)  | 0.0003184 (0.0002148, 0.0004505) | 0.07387 (0.05390, 0.09682) |
| Kalimantan Selatan | Drowning                                      | 40  | 9.1 (3.3, 18.8)      | 0.0000607 (0.0000220, 0.0001258) | 0.0094 (0.00358, 0.01900)  | 3.1 (1.1, 7.0)     | 0.0000218 (0.0000077, 0.0000492) | 0.00507 (0.00186, 0.01048) |
| Kalimantan Selatan | Falls                                         | 40  | 9.5 (3.9, 18.0)      | 0.0000634 (0.0000259, 0.0001205) | 0.00979 (0.00416, 0.01795) | 3.9 (1.6, 7.0)     | 0.0000274 (0.0000114, 0.0000495) | 0.00637 (0.00264, 0.01196) |
| Kalimantan Selatan | Interpersonal violence                        | 40  | 4.8 (2.6, 8.6)       | 0.0000324 (0.0000175, 0.0000575) | 0.00501 (0.00263, 0.00880) | 2.3 (1.2, 4.3)     | 0.0000165 (0.0000081, 0.0000301) | 0.00383 (0.00194, 0.00678) |
| Kalimantan Selatan | Self-harm                                     | 40  | 6.2 (3.1, 11.2)      | 0.0000416 (0.0000206, 0.0000747) | 0.00642 (0.00342, 0.01147) | 2.4 (1.2, 4.5)     | 0.0000169 (0.0000083, 0.0000314) | 0.00393 (0.00202, 0.00700) |
| Kalimantan Selatan | Transport injuries                            | 40  | 62.0 (36.8, 95.1)    | 0.0004155 (0.0002465, 0.0006367) | 0.06407 (0.04069, 0.09536) | 17.6 (10.0, 28.5)  | 0.0001241 (0.0000701, 0.0002006) | 0.02884 (0.01698, 0.04586) |
| Kalimantan Selatan | Other unintentional injuries                  | 40  | 25.9 (13.9, 43.1)    | 0.0001732 (0.0000928, 0.0002889) | 0.02676 (0.01486, 0.04306) | 8.4 (4.2, 14.1)    | 0.0000589 (0.0000298, 0.0000995) | 0.0137 (0.00727, 0.02252)  |
| Kalimantan Selatan | Diarrheal diseases                            | 45  | 16.7 (8.5, 29.0)     | 0.0001394 (0.0000711, 0.0002424) | 0.01548 (0.00841, 0.02680) | 19.1 (10.5, 31.7)  | 0.0001667 (0.0000917, 0.0002770) | 0.02507 (0.01447, 0.04054) |
| Kalimantan Selatan | HIV/AIDS                                      | 45  | 1.9 (0.3, 6.0)       | 0.0000157 (0.0000029, 0.0000503) | 0.00174 (0.00033, 0.00530) | 1.4 (0.3, 4.5)     | 0.0000125 (0.0000023, 0.0000394) | 0.0019 (0.00036, 0.00594)  |
| Kalimantan Selatan | Lower respiratory infections                  | 45  | 18.2 (8.9, 32.5)     | 0.0001516 (0.0000743, 0.0002717) | 0.01679 (0.00845, 0.02819) | 14.2 (7.3, 24.0)   | 0.0001242 (0.0000637, 0.0002092) | 0.0187 (0.00944, 0.03101)  |
| Kalimantan Selatan | Malaria                                       | 45  | 12.8 (4.1, 29.6)     | 0.0001067 (0.0000344, 0.0002470) | 0.01183 (0.00383, 0.02664) | 7.6 (2.1, 19.1)    | 0.0000667 (0.0000187, 0.0001667) | 0.01005 (0.00288, 0.02396) |
| Kalimantan Selatan | Tuberculosis                                  | 45  | 147.3 (106.1, 198.9) | 0.0012298 (0.0008857, 0.0016608) | 0.13637 (0.10725, 0.16882) | 82.1 (57.6, 110.5) | 0.000717 (0.0005033, 0.0009647)  | 0.10801 (0.08218, 0.13731) |
| Kalimantan Selatan | Maternal disorders                            | 45  |                      |                                  |                            | 2.2 (0.8, 4.8)     | 0.0000194 (0.0000069, 0.0000415) | 0.00292 (0.00108, 0.00616) |
| Kalimantan Selatan | Other communicable diseases                   | 45  | 33.2 (18.3, 52.7)    | 0.0002768 (0.0001527, 0.0004404) | 0.0307 (0.01804, 0.04814)  | 28.6 (16.6, 43.4)  | 0.0002498 (0.0001453, 0.0003790) | 0.03762 (0.02279, 0.05655) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 45  | 13.6 (5.2, 31.6)     | 0.0001135 (0.0000436, 0.0002638) | 0.0126 (0.00468, 0.02865)  | 4.2 (1.5, 9.9)     | 0.0000367 (0.0000135, 0.0000866) | 0.00552 (0.00206, 0.01258) |
| Kalimantan Selatan | Breast cancer                                 | 45  | 1.0 (0.3, 2.4)       | 0.0000083 (0.0000023, 0.0000198) | 0.00092 (0.00026, 0.00224) | 41.6 (18.7, 70.5)  | 0.0003631 (0.0001636, 0.0006153) | 0.05453 (0.02575, 0.08739) |
| Kalimantan Selatan | Cervical cancer                               | 45  |                      |                                  |                            | 32.8 (14.3, 62.9)  | 0.0002864 (0.0001248, 0.0005489) | 0.04312 (0.01898, 0.08190) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|--------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Other malignant neoplasms                     | 45  | 92.3 (58.1, 132.6)   | 0.0007705 (0.0004848, 0.0011073) | 0.0856 (0.05781, 0.12101)  | 37.1 (20.4, 66.6)    | 0.0003241 (0.0001784, 0.0005811) | 0.04876 (0.02792, 0.08178) |
| Kalimantan Selatan | Cerebrovascular disease                       | 45  | 132.9 (95.8, 181.2)  | 0.00111 (0.0007998, 0.0015128)   | 0.12307 (0.09678, 0.15433) | 103.6 (77.1, 138.2)  | 0.0009044 (0.0006735, 0.0012069) | 0.13622 (0.10745, 0.16715) |
| Kalimantan Selatan | Ischemic heart disease                        | 45  | 132.3 (94.7, 187.8)  | 0.0011049 (0.0007911, 0.0015680) | 0.12254 (0.09304, 0.15430) | 66.0 (45.3, 90.3)    | 0.0005765 (0.0003958, 0.0007889) | 0.08687 (0.06268, 0.11352) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 45  | 53.7 (33.8, 83.7)    | 0.0004489 (0.0002826, 0.0006987) | 0.04984 (0.03201, 0.07325) | 46.9 (30.0, 70.9)    | 0.0004095 (0.0002617, 0.0006188) | 0.06168 (0.04110, 0.08825) |
| Kalimantan Selatan | Diabetes mellitus                             | 45  | 75.5 (50.3, 107.8)   | 0.0006303 (0.0004200, 0.0009004) | 0.0699 (0.04958, 0.09278)  | 92.4 (63.2, 125.2)   | 0.0008066 (0.0005521, 0.0010932) | 0.12145 (0.08614, 0.15772) |
| Kalimantan Selatan | Chronic kidney disease                        | 45  | 34.3 (21.4, 51.1)    | 0.0002861 (0.0001789, 0.0004270) | 0.03173 (0.02064, 0.04511) | 20.4 (13.1, 30.5)    | 0.0001782 (0.0001143, 0.0002664) | 0.02685 (0.01789, 0.03876) |
| Kalimantan Selatan | Cirrhosis                                     | 45  | 85.6 (55.9, 130.3)   | 0.0007149 (0.0004666, 0.0010882) | 0.07919 (0.05493, 0.11176) | 43.8 (27.9, 66.0)    | 0.0003824 (0.0002438, 0.0005766) | 0.05757 (0.03833, 0.08521) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 45  | 50.2 (31.0, 75.6)    | 0.0004194 (0.0002586, 0.0006312) | 0.04655 (0.02948, 0.06631) | 23.7 (14.1, 35.9)    | 0.0002068 (0.0001233, 0.0003139) | 0.03115 (0.01960, 0.04571) |
| Kalimantan Selatan | Other non-communicable diseases               | 45  | 66.8 (46.2, 96.7)    | 0.000558 (0.0003858, 0.0008072)  | 0.0619 (0.04529, 0.08232)  | 49.9 (34.1, 70.7)    | 0.0004358 (0.0002979, 0.0006170) | 0.06558 (0.04818, 0.08565) |
| Kalimantan Selatan | Drowning                                      | 45  | 6.1 (2.1, 13.1)      | 0.0000511 (0.0000177, 0.0001096) | 0.00569 (0.00197, 0.01205) | 2.9 (1.0, 6.1)       | 0.0000252 (0.0000085, 0.0000535) | 0.0038 (0.00124, 0.00801)  |
| Kalimantan Selatan | Falls                                         | 45  | 10.4 (4.4, 19.8)     | 0.0000871 (0.0000369, 0.0001657) | 0.00966 (0.00411, 0.01784) | 5.5 (2.2, 10.4)      | 0.0000484 (0.0000194, 0.0000906) | 0.00728 (0.00317, 0.01351) |
| Kalimantan Selatan | Interpersonal violence                        | 45  | 4.0 (2.0, 7.0)       | 0.0000336 (0.0000169, 0.0000585) | 0.00373 (0.00198, 0.00659) | 2.1 (1.0, 3.9)       | 0.0000181 (0.0000090, 0.0000338) | 0.00272 (0.00140, 0.00499) |
| Kalimantan Selatan | Self-harm                                     | 45  | 5.8 (2.9, 10.3)      | 0.0000488 (0.0000242, 0.0000860) | 0.00543 (0.00280, 0.00946) | 2.3 (1.2, 4.2)       | 0.0000204 (0.0000101, 0.0000371) | 0.00307 (0.00158, 0.00561) |
| Kalimantan Selatan | Transport injuries                            | 45  | 61.2 (37.0, 93.7)    | 0.0005113 (0.0003087, 0.0007824) | 0.05672 (0.03665, 0.08439) | 21.2 (12.1, 34.4)    | 0.000185 (0.0001057, 0.0003008)  | 0.02787 (0.01667, 0.04425) |
| Kalimantan Selatan | Other unintentional injuries                  | 45  | 23.7 (12.5, 40.5)    | 0.000198 (0.0001041, 0.0003381)  | 0.02201 (0.01208, 0.03599) | 8.9 (4.6, 15.2)      | 0.0000777 (0.0000402, 0.0001330) | 0.0117 (0.00626, 0.01968)  |
| Kalimantan Selatan | Diarrheal diseases                            | 50  | 22.3 (11.4, 37.5)    | 0.0002262 (0.0001162, 0.0003813) | 0.01705 (0.00910, 0.02900) | 24.5 (13.8, 39.8)    | 0.0002775 (0.0001560, 0.0004507) | 0.02786 (0.01640, 0.04449) |
| Kalimantan Selatan | HIV/AIDS                                      | 50  | 0.8 (0.1, 2.5)       | 0.0000082 (0.0000015, 0.0000249) | 0.00062 (0.00012, 0.00189) | 0.6 (0.1, 1.8)       | 0.0000068 (0.0000013, 0.0000207) | 0.00069 (0.00013, 0.00206) |
| Kalimantan Selatan | Lower respiratory infections                  | 50  | 24.1 (12.0, 41.8)    | 0.0002453 (0.0001218, 0.0004247) | 0.01846 (0.00946, 0.03071) | 18.4 (9.7, 30.4)     | 0.0002083 (0.0001096, 0.0003441) | 0.02094 (0.01080, 0.03401) |
| Kalimantan Selatan | Malaria                                       | 50  | 13.2 (4.1, 32.5)     | 0.000134 (0.0000421, 0.0003299)  | 0.01009 (0.00322, 0.02316) | 7.4 (2.1, 18.9)      | 0.0000839 (0.0000239, 0.0002142) | 0.00844 (0.00246, 0.02081) |
| Kalimantan Selatan | Tuberculosis                                  | 50  | 170.9 (122.5, 235.7) | 0.0017375 (0.0012454, 0.0023962) | 0.13089 (0.10252, 0.16220) | 89.3 (63.3, 120.6)   | 0.0010106 (0.0007166, 0.0013652) | 0.10162 (0.07595, 0.13077) |
| Kalimantan Selatan | Maternal disorders                            | 50  |                      |                                  |                            | 0.9 (0.2, 2.4)       | 0.0000102 (0.0000028, 0.0000276) | 0.00102 (0.00029, 0.00265) |
| Kalimantan Selatan | Other communicable diseases                   | 50  | 33.4 (18.8, 54.5)    | 0.0003399 (0.0001912, 0.0005541) | 0.02563 (0.01506, 0.04070) | 28.1 (16.3, 43.3)    | 0.0003185 (0.0001844, 0.0004906) | 0.03203 (0.01949, 0.04887) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 50  | 15.8 (6.0, 34.8)     | 0.0001606 (0.0000609, 0.0003537) | 0.01212 (0.00482, 0.02739) | 4.7 (1.7, 11.1)      | 0.0000534 (0.0000191, 0.0001260) | 0.00536 (0.00201, 0.01256) |
| Kalimantan Selatan | Breast cancer                                 | 50  | 1.0 (0.3, 2.3)       | 0.0000101 (0.0000030, 0.0000236) | 0.00076 (0.00023, 0.00179) | 35.6 (15.3, 63.1)    | 0.0004025 (0.0001737, 0.0007138) | 0.04034 (0.01823, 0.06782) |
| Kalimantan Selatan | Cervical cancer                               | 50  |                      |                                  |                            | 29.8 (12.9, 59.1)    | 0.000337 (0.0001465, 0.0006684)  | 0.03386 (0.01501, 0.06376) |
| Kalimantan Selatan | Other malignant neoplasms                     | 50  | 83.0 (51.0, 122.2)   | 0.0008439 (0.0005189, 0.0012429) | 0.0637 (0.04149, 0.09233)  | 37.0 (19.9, 65.1)    | 0.0004189 (0.0002249, 0.0007362) | 0.04207 (0.02379, 0.07021) |
| Kalimantan Selatan | Cerebrovascular disease                       | 50  | 196.0 (143.1, 264.4) | 0.0019923 (0.0014544, 0.0026885) | 0.15006 (0.12006, 0.18488) | 143.0 (107.9, 186.7) | 0.0016179 (0.0012212, 0.0021134) | 0.16265 (0.13157, 0.19678) |
| Kalimantan Selatan | Ischemic heart disease                        | 50  | 181.0 (129.6, 256.9) | 0.0018401 (0.0013180, 0.0026123) | 0.13865 (0.10551, 0.17351) | 81.7 (57.1, 110.4)   | 0.0009248 (0.0006459, 0.0012490) | 0.09302 (0.06855, 0.12070) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 50  | 76.0 (47.3, 120.4)   | 0.000773 (0.0004809, 0.0012237)  | 0.05832 (0.03841, 0.08442) | 62.9 (41.7, 92.1)    | 0.0007114 (0.0004724, 0.0010425) | 0.07152 (0.04788, 0.10251) |
| Kalimantan Selatan | Diabetes mellitus                             | 50  | 108.9 (72.4, 154.4)  | 0.0011075 (0.0007357, 0.0015694) | 0.08345 (0.05962, 0.10814) | 124.5 (87.8, 164.2)  | 0.0014085 (0.0009934, 0.0018587) | 0.14158 (0.10358, 0.18048) |
| Kalimantan Selatan | Chronic kidney disease                        | 50  | 39.2 (24.5, 58.3)    | 0.0003987 (0.0002488, 0.0005922) | 0.03005 (0.01976, 0.04266) | 21.9 (14.3, 32.2)    | 0.0002476 (0.0001618, 0.0003640) | 0.0249 (0.01671, 0.03589)  |
| Kalimantan Selatan | Cirrhosis                                     | 50  | 96.6 (61.8, 146.8)   | 0.0009817 (0.0006279, 0.0014928) | 0.07391 (0.05127, 0.10495) | 47.3 (30.3, 71.5)    | 0.0005349 (0.0003425, 0.0008092) | 0.05374 (0.03542, 0.07926) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 50  | 70.3 (44.2, 105.5)   | 0.0007152 (0.0004497, 0.0010723) | 0.05394 (0.03550, 0.07547) | 32.4 (19.7, 47.9)    | 0.0003671 (0.0002239, 0.0005418) | 0.03691 (0.02330, 0.05319) |
| Kalimantan Selatan | Other non-communicable diseases               | 50  | 76.6 (52.6, 110.3)   | 0.0007784 (0.0005348, 0.0011218) | 0.05866 (0.04340, 0.07742) | 54.1 (37.3, 75.5)    | 0.0006122 (0.0004218, 0.0008545) | 0.0615 (0.04519, 0.08015)  |
| Kalimantan Selatan | Drowning                                      | 50  | 4.5 (1.6, 9.8)       | 0.0000459 (0.0000159, 0.0001001) | 0.00348 (0.00125, 0.00745) | 2.1 (0.7, 4.6)       | 0.0000235 (0.0000081, 0.0000516) | 0.00237 (0.00078, 0.00513) |
| Kalimantan Selatan | Falls                                         | 50  | 12.1 (5.0, 22.6)     | 0.0001231 (0.0000504, 0.0002297) | 0.00928 (0.00395, 0.01698) | 6.2 (2.6, 11.4)      | 0.0000696 (0.0000291, 0.0001293) | 0.007 (0.00298, 0.01274)   |
| Kalimantan Selatan | Interpersonal violence                        | 50  | 3.4 (1.8, 6.1)       | 0.0000341 (0.0000178, 0.0000621) | 0.00258 (0.00134, 0.00464) | 1.6 (0.8, 3.1)       | 0.0000178 (0.0000086, 0.0000348) | 0.00179 (0.00089, 0.00336) |
| Kalimantan Selatan | Self-harm                                     | 50  | 5.5 (2.7, 9.7)       | 0.0000556 (0.0000274, 0.0000991) | 0.00419 (0.00216, 0.00729) | 2.0 (1.0, 3.6)       | 0.0000222 (0.0000110, 0.0000411) | 0.00224 (0.00115, 0.00409) |
| Kalimantan Selatan | Transport injuries                            | 50  | 50.2 (29.0, 79.4)    | 0.0005107 (0.0002949, 0.0008071) | 0.03848 (0.02295, 0.05934) | 16.2 (9.1, 26.4)     | 0.0001838 (0.0001025, 0.0002992) | 0.01849 (0.01076, 0.03029) |
| Kalimantan Selatan | Other unintentional injuries                  | 50  | 20.4 (10.7, 34.0)    | 0.0002071 (0.0001088, 0.0003453) | 0.01564 (0.00835, 0.02588) | 7.1 (3.6, 12.0)      | 0.0000802 (0.0000410, 0.0001356) | 0.00807 (0.00427, 0.01365) |
| Kalimantan Selatan | Diarrheal diseases                            | 55  | 20.8 (11.1, 34.6)    | 0.0003302 (0.0001757, 0.0005501) | 0.01741 (0.00951, 0.02839) | 25.4 (14.2, 39.4)    | 0.0004333 (0.0002422, 0.0006703) | 0.02929 (0.01743, 0.04396) |
| Kalimantan Selatan | HIV/AIDS                                      | 55  | 0.3 (0.0, 1.1)       | 0.0000048 (0.0000008, 0.0000169) | 0.00025 (0.00005, 0.00082) | 0.2 (0.0, 0.8)       | 0.0000042 (0.0000007, 0.0000129) | 0.00028 (0.00005, 0.00087) |
| Kalimantan Selatan | Lower respiratory infections                  | 55  | 21.9 (11.1, 38.3)    | 0.0003483 (0.0001767, 0.0006094) | 0.01832 (0.00984, 0.03051) | 18.8 (10.3, 31.6)    | 0.0003205 (0.0001704, 0.0005387) | 0.02168 (0.01193, 0.03595) |
| Kalimantan Selatan | Malaria                                       | 55  | 11.5 (3.5, 27.4)     | 0.0001833 (0.0000561, 0.0004359) | 0.00965 (0.00307, 0.02146) | 6.7 (1.9, 17.0)      | 0.0001144 (0.0000324, 0.0002892) | 0.00775 (0.00218, 0.01895) |
| Kalimantan Selatan | Tuberculosis                                  | 55  | 136.8 (96.3, 190.3)  | 0.0021738 (0.0015297, 0.0030239) | 0.11447 (0.08920, 0.14333) | 74.2 (51.0, 101.3)   | 0.0012633 (0.0008687, 0.0017259) | 0.08549 (0.06398, 0.11112) |
| Kalimantan Selatan | Other communicable diseases                   | 55  | 27.3 (15.0, 43.2)    | 0.0004335 (0.0002386, 0.0006873) | 0.02286 (0.01318, 0.03580) | 26.1 (14.8, 40.3)    | 0.0004444 (0.0002523, 0.0006857) | 0.03008 (0.01808, 0.04583) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 55  | 14.7 (5.7, 33.4)     | 0.0002341 (0.0000910, 0.0005302) | 0.01235 (0.00499, 0.02762) | 3.8 (1.4, 9.2)       | 0.0000647 (0.0000236, 0.0001564) | 0.00437 (0.00168, 0.01005) |
| Kalimantan Selatan | Breast cancer                                 | 55  | 0.8 (0.2, 2.0)       | 0.0000129 (0.0000036, 0.0000315) | 0.00068 (0.00020, 0.00162) | 26.3 (11.0, 47.8)    | 0.0004476 (0.0001874, 0.0008134) | 0.0302 (0.01332, 0.05255)  |
| Kalimantan Selatan | Cervical cancer                               | 55  |                      |                                  |                            | 20.9 (8.7, 42.3)     | 0.0003556 (0.0001481, 0.0007212) | 0.02405 (0.01021, 0.04714) |
| Kalimantan Selatan | Other malignant neoplasms                     | 55  | 59.2 (35.3, 88.7)    | 0.0009407 (0.0005607, 0.0014098) | 0.04965 (0.03156, 0.07254) | 32.2 (17.7, 55.4)    | 0.0005491 (0.0003013, 0.0009438) | 0.03711 (0.02115, 0.06146) |
| Kalimantan Selatan | Cerebrovascular disease                       | 55  | 208.8 (155.4, 276.4) | 0.0033191 (0.0024700, 0.0043923) | 0.17483 (0.14143, 0.21111) | 165.7 (127.2, 213.7) | 0.0028225 (0.0021659, 0.0036402) | 0.19096 (0.15605, 0.22939) |
| Kalimantan Selatan | Ischemic heart disease                        | 55  | 186.2 (133.3, 259.3) | 0.0029598 (0.0021188, 0.0041214) | 0.15597 (0.12006, 0.19274) | 89.5 (63.1, 120.3)   | 0.0015241 (0.0010740, 0.0020490) | 0.10318 (0.07603, 0.13297) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 55  | 79.0 (49.9, 122.6)   | 0.0012549 (0.0007923, 0.0019484) | 0.06619 (0.04388, 0.09523) | 69.7 (46.6, 102.3)   | 0.0011867 (0.0007945, 0.0017423) | 0.08027 (0.05389, 0.11514) |
| Kalimantan Selatan | Diabetes mellitus                             | 55  | 105.5 (70.6, 147.7)  | 0.0016772 (0.0011220, 0.0023481) | 0.08837 (0.06506, 0.11332) | 128.5 (91.0, 169.5)  | 0.0021881 (0.0015506, 0.0028871) | 0.14804 (0.10986, 0.18730) |
| Kalimantan Selatan | Chronic kidney disease                        | 55  | 34.8 (21.8, 51.9)    | 0.000553 (0.0003462, 0.0008255)  | 0.02914 (0.01933, 0.04120) | 20.4 (13.5, 30.0)    | 0.0003467 (0.0002302, 0.0005117) | 0.02347 (0.01582, 0.03361) |
| Kalimantan Selatan | Cirrhosis                                     | 55  | 78.7 (49.6, 119.5)   | 0.0012513 (0.0007890, 0.0018996) | 0.06587 (0.04544, 0.09435) | 42.6 (27.3, 64.6)    | 0.0007255 (0.0004647, 0.0011007) | 0.04907 (0.03217, 0.07181) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 55  | 70.6 (45.6, 103.8)   | 0.0011226 (0.0007240, 0.0016504) | 0.05921 (0.03879, 0.08055) | 35.0 (21.4, 50.0)    | 0.0005966 (0.0003639, 0.0008508) | 0.04037 (0.02591, 0.05640) |
| Kalimantan Selatan | Other non-communicable diseases               | 55  | 72.6 (49.9, 103.4)   | 0.0011537 (0.0007923, 0.0016434) | 0.06079 (0.04481, 0.08003) | 55.5 (38.8, 77.6)    | 0.0009448 (0.0006603, 0.0013210) | 0.06389 (0.04746, 0.08366) |
| Kalimantan Selatan | Drowning                                      | 55  | 2.8 (1.0, 6.7)       | 0.0000448 (0.0000156, 0.0001063) | 0.00237 (0.00080, 0.00543) | 1.5 (0.5, 3.5)       | 0.0000263 (0.0000086, 0.0000599) | 0.00178 (0.00058, 0.00396) |
| Kalimantan Selatan | Falls                                         | 55  | 11.2 (4.9, 20.6)     | 0.0001773 (0.0000773, 0.0003275) | 0.00935 (0.00420, 0.01707) | 6.5 (3.0, 11.8)      | 0.0001103 (0.0000517, 0.0002008) | 0.00747 (0.00349, 0.01320) |
| Kalimantan Selatan | Interpersonal violence                        | 55  | 2.3 (1.1, 4.3)       | 0.0000371 (0.0000179, 0.0000683) | 0.00196 (0.00094, 0.00361) | 1.1 (0.5, 2.1)       | 0.0000187 (0.0000090, 0.0000358) | 0.00127 (0.00061, 0.00238) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                |                                  |                             | Females              |                                  |                            |
|--------------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Self-harm                                     | 55  | 4.4 (2.2, 8.1)       | 0.000693 (0.000348, 0.0001281)   | 0.00366 (0.00189, 0.00655)  | 1.5 (0.8, 2.9)       | 0.0000263 (0.0000128, 0.0000487) | 0.00178 (0.00090, 0.00326) |
| Kalimantan Selatan | Transport injuries                            | 55  | 29.2 (16.2, 48.9)    | 0.000464 (0.0002569, 0.0007777)  | 0.02444 (0.01415, 0.03853)  | 10.4 (5.5, 17.4)     | 0.0001764 (0.0000941, 0.0002958) | 0.01195 (0.00663, 0.01984) |
| Kalimantan Selatan | Other unintentional injuries                  | 55  | 14.5 (7.4, 25.2)     | 0.000231 (0.0001171, 0.0004010)  | 0.0122 (0.00649, 0.02049)   | 5.4 (2.8, 9.5)       | 0.0000917 (0.0000469, 0.0001622) | 0.00621 (0.00329, 0.01090) |
| Kalimantan Selatan | Diarrheal diseases                            | 60  | 24.3 (12.9, 39.7)    | 0.00055 (0.0002915, 0.0009008)   | 0.01793 (0.01002, 0.02949)  | 33.9 (20.0, 53.4)    | 0.0007044 (0.0004146, 0.0011104) | 0.03148 (0.01882, 0.04739) |
| Kalimantan Selatan | HIV/AIDS                                      | 60  | 0.2 (0.0, 0.7)       | 0.000005 (0.0000008, 0.0000161)  | 0.00016 (0.00003, 0.00052)  | 0.2 (0.0, 0.6)       | 0.0000042 (0.0000007, 0.0000132) | 0.00019 (0.00003, 0.00057) |
| Kalimantan Selatan | Lower respiratory infections                  | 60  | 30.9 (15.8, 54.3)    | 0.0007016 (0.0003572, 0.0012302) | 0.02281 (0.01221, 0.03705)  | 32.0 (17.6, 51.4)    | 0.0006642 (0.0003653, 0.0010688) | 0.02969 (0.01664, 0.04694) |
| Kalimantan Selatan | Malaria                                       | 60  | 12.7 (3.9, 28.4)     | 0.0002879 (0.0000888, 0.0006449) | 0.00938 (0.00291, 0.02062)  | 7.7 (2.1, 20.3)      | 0.000161 (0.0000442, 0.0004218)  | 0.0072 (0.00192, 0.01830)  |
| Kalimantan Selatan | Tuberculosis                                  | 60  | 169.7 (120.5, 227.9) | 0.0038478 (0.0027334, 0.0051686) | 0.12528 (0.09750, 0.15559)  | 101.3 (71.4, 135.9)  | 0.0021059 (0.0014839, 0.0028238) | 0.09418 (0.07013, 0.12222) |
| Kalimantan Selatan | Other communicable diseases                   | 60  | 22.7 (11.6, 37.4)    | 0.0005158 (0.0002629, 0.0008473) | 0.0168 (0.00901, 0.02713)   | 25.6 (14.0, 40.6)    | 0.0005315 (0.0002918, 0.0008437) | 0.02377 (0.01346, 0.03689) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 60  | 16.7 (6.5, 36.8)     | 0.000379 (0.0001469, 0.0008349)  | 0.01236 (0.00494, 0.02793)  | 4.1 (1.5, 9.9)       | 0.0000847 (0.0000305, 0.0002060) | 0.00378 (0.00138, 0.00881) |
| Kalimantan Selatan | Breast cancer                                 | 60  | 0.8 (0.2, 2.0)       | 0.0000179 (0.0000049, 0.0000451) | 0.00059 (0.00016, 0.00147)  | 22.0 (8.6, 40.4)     | 0.0004563 (0.0001794, 0.0008401) | 0.02035 (0.00837, 0.03641) |
| Kalimantan Selatan | Cervical cancer                               | 60  |                      |                                  |                             | 19.6 (8.0, 40.8)     | 0.0004064 (0.0001661, 0.0008471) | 0.01816 (0.00743, 0.03756) |
| Kalimantan Selatan | Other malignant neoplasms                     | 60  | 60.9 (36.9, 91.3)    | 0.0013815 (0.0008365, 0.0020694) | 0.04508 (0.02871, 0.06523)  | 38.2 (21.3, 63.0)    | 0.0007946 (0.0004427, 0.0013099) | 0.03548 (0.02061, 0.05694) |
| Kalimantan Selatan | Cerebrovascular disease                       | 60  | 250.1 (185.2, 329.4) | 0.0056708 (0.0041996, 0.0074694) | 0.18467 (0.15112, 0.22234)  | 224.2 (176.7, 282.9) | 0.0046595 (0.0036713, 0.0058786) | 0.20833 (0.17359, 0.24642) |
| Kalimantan Selatan | Ischemic heart disease                        | 60  | 199.4 (143.8, 276.5) | 0.0045222 (0.0032612, 0.0062703) | 0.14735 (0.11340, 0.18418)  | 110.8 (79.7, 148.6)  | 0.0023033 (0.0016569, 0.0030869) | 0.10303 (0.07575, 0.13314) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 60  | 96.4 (61.0, 148.5)   | 0.002187 (0.0013836, 0.0033684)  | 0.0713 (0.04746, 0.10124)   | 90.6 (60.6, 131.3)   | 0.0018823 (0.0012595, 0.0027290) | 0.08415 (0.05712, 0.11846) |
| Kalimantan Selatan | Diabetes mellitus                             | 60  | 103.8 (70.0, 146.2)  | 0.0023529 (0.0015877, 0.0033153) | 0.07663 (0.05583, 0.09827)  | 139.2 (97.9, 183.5)  | 0.0028916 (0.0020342, 0.0038123) | 0.12928 (0.09378, 0.16572) |
| Kalimantan Selatan | Chronic kidney disease                        | 60  | 35.4 (22.3, 52.0)    | 0.0008026 (0.0005049, 0.0011794) | 0.02615 (0.01745, 0.03703)  | 22.1 (14.7, 32.1)    | 0.0004586 (0.0003061, 0.0006678) | 0.02051 (0.01414, 0.02931) |
| Kalimantan Selatan | Cirrhosis                                     | 60  | 73.7 (46.8, 114.0)   | 0.001672 (0.0010619, 0.0025860)  | 0.05441 (0.03779, 0.07892)  | 45.6 (29.2, 70.3)    | 0.0009465 (0.0006058, 0.0014611) | 0.04231 (0.02768, 0.06273) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 60  | 110.4 (73.4, 158.2)  | 0.0025039 (0.0016637, 0.0035862) | 0.08163 (0.05686, 0.10867)  | 57.3 (37.1, 80.2)    | 0.0011912 (0.0007708, 0.0016672) | 0.05326 (0.03574, 0.07375) |
| Kalimantan Selatan | Other non-communicable diseases               | 60  | 89.7 (61.1, 126.5)   | 0.0020333 (0.0013855, 0.0028680) | 0.06624 (0.04908, 0.08758)  | 75.4 (53.3, 105.6)   | 0.0015662 (0.0011073, 0.0021936) | 0.06998 (0.05195, 0.09162) |
| Kalimantan Selatan | Drowning                                      | 60  | 2.2 (0.7, 5.2)       | 0.0000492 (0.0000154, 0.0001188) | 0.00161 (0.000049, 0.00377) | 1.6 (0.5, 3.8)       | 0.0000324 (0.0000097, 0.0000796) | 0.00145 (0.00044, 0.00352) |
| Kalimantan Selatan | Falls                                         | 60  | 9.8 (4.2, 18.4)      | 0.0002222 (0.0000943, 0.0004163) | 0.00723 (0.00323, 0.01316)  | 7.0 (3.1, 12.3)      | 0.0001453 (0.0000651, 0.0002560) | 0.0065 (0.00294, 0.01141)  |
| Kalimantan Selatan | Interpersonal violence                        | 60  | 1.8 (0.8, 3.4)       | 0.0000399 (0.0000185, 0.0000767) | 0.0013 (0.00060, 0.00246)   | 0.9 (0.4, 1.7)       | 0.000018 (0.0000082, 0.0000363)  | 0.0008 (0.00036, 0.00159)  |
| Kalimantan Selatan | Self-harm                                     | 60  | 3.8 (1.8, 6.8)       | 0.0000885 (0.0000416, 0.0001534) | 0.00277 (0.00142, 0.00491)  | 1.3 (0.6, 2.5)       | 0.000028 (0.0000135, 0.0000518)  | 0.00125 (0.00062, 0.00231) |
| Kalimantan Selatan | Transport injuries                            | 60  | 25.8 (13.5, 43.3)    | 0.000584 (0.0003067, 0.0009809)  | 0.01903 (0.01077, 0.03152)  | 10.8 (5.7, 18.6)     | 0.0002236 (0.0001194, 0.0003859) | 0.01 (0.00529, 0.01743)    |
| Kalimantan Selatan | Other unintentional injuries                  | 60  | 12.6 (6.0, 22.2)     | 0.0002849 (0.0001359, 0.0005044) | 0.00929 (0.00474, 0.01545)  | 5.2 (2.6, 9.4)       | 0.0001087 (0.0000538, 0.0001948) | 0.00486 (0.00251, 0.00866) |
| Kalimantan Selatan | Diarrheal diseases                            | 65  | 37.2 (21.1, 59.2)    | 0.001278 (0.0007238, 0.0020306)  | 0.02951 (0.01745, 0.04507)  | 54.1 (35.2, 78.1)    | 0.0016005 (0.0010411, 0.0023100) | 0.04795 (0.03152, 0.06883) |
| Kalimantan Selatan | HIV/AIDS                                      | 65  | 0.2 (0.0, 0.6)       | 0.0000068 (0.0000010, 0.0000214) | 0.00016 (0.00002, 0.00049)  | 0.2 (0.0, 0.6)       | 0.0000057 (0.0000009, 0.0000174) | 0.00017 (0.00003, 0.00053) |
| Kalimantan Selatan | Lower respiratory infections                  | 65  | 34.2 (17.6, 59.5)    | 0.0011726 (0.0006032, 0.0020438) | 0.02702 (0.01479, 0.04336)  | 38.2 (21.5, 60.4)    | 0.0011301 (0.0006346, 0.0017861) | 0.03385 (0.01941, 0.05232) |
| Kalimantan Selatan | Malaria                                       | 65  | 11.8 (3.5, 28.1)     | 0.0004048 (0.0001194, 0.0009631) | 0.00933 (0.00286, 0.02117)  | 7.5 (2.1, 19.2)      | 0.0002213 (0.0000610, 0.0005667) | 0.00664 (0.00187, 0.01719) |
| Kalimantan Selatan | Tuberculosis                                  | 65  | 160.5 (115.9, 215.3) | 0.0055108 (0.0039778, 0.0073919) | 0.12716 (0.09840, 0.15998)  | 104.3 (72.6, 142.0)  | 0.0030842 (0.0021480, 0.0041995) | 0.09242 (0.06733, 0.12151) |
| Kalimantan Selatan | Other communicable diseases                   | 65  | 20.9 (11.0, 34.5)    | 0.0007164 (0.0003792, 0.0011852) | 0.01654 (0.00931, 0.02676)  | 24.5 (13.7, 38.9)    | 0.0007253 (0.0004038, 0.0011513) | 0.02173 (0.01225, 0.03468) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 65  | 12.6 (4.9, 27.9)     | 0.0004326 (0.0001682, 0.0009574) | 0.00999 (0.00403, 0.02241)  | 3.2 (1.2, 7.9)       | 0.0000952 (0.0000347, 0.0002330) | 0.00285 (0.00106, 0.00655) |
| Kalimantan Selatan | Breast cancer                                 | 65  | 0.5 (0.1, 1.3)       | 0.0000175 (0.0000042, 0.0000448) | 0.0004 (0.00010, 0.00104)   | 15.6 (6.1, 29.4)     | 0.0004604 (0.0001789, 0.0008700) | 0.01376 (0.00559, 0.02508) |
| Kalimantan Selatan | Cervical cancer                               | 65  |                      |                                  |                             | 13.5 (5.0, 29.9)     | 0.0003984 (0.0001474, 0.0008832) | 0.01193 (0.00440, 0.02602) |
| Kalimantan Selatan | Other malignant neoplasms                     | 65  | 43.4 (26.1, 67.3)    | 0.0014882 (0.0008961, 0.0023089) | 0.03441 (0.02191, 0.05204)  | 37.1 (21.2, 60.9)    | 0.0010968 (0.0006278, 0.0018013) | 0.03282 (0.01940, 0.05125) |
| Kalimantan Selatan | Cerebrovascular disease                       | 65  | 246.0 (184.3, 320.5) | 0.0084462 (0.0063252, 0.0110016) | 0.19492 (0.15920, 0.23295)  | 249.9 (199.6, 312.0) | 0.0073899 (0.0059013, 0.0092263) | 0.22137 (0.18362, 0.26300) |
| Kalimantan Selatan | Ischemic heart disease                        | 65  | 180.8 (128.8, 246.4) | 0.0062083 (0.0044227, 0.0084580) | 0.14333 (0.10972, 0.18078)  | 113.6 (80.8, 153.1)  | 0.0033599 (0.0023892, 0.0045265) | 0.1007 (0.07384, 0.13177)  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 65  | 98.3 (63.0, 147.7)   | 0.0033759 (0.0021643, 0.0050693) | 0.078 (0.05149, 0.10939)    | 105.0 (71.8, 151.2)  | 0.0031046 (0.0021236, 0.0044709) | 0.09299 (0.06321, 0.12867) |
| Kalimantan Selatan | Diabetes mellitus                             | 65  | 76.9 (51.3, 108.4)   | 0.0026412 (0.0017624, 0.0037217) | 0.06096 (0.04355, 0.07966)  | 120.0 (84.2, 160.7)  | 0.0035473 (0.0024907, 0.0047531) | 0.10627 (0.07581, 0.13803) |
| Kalimantan Selatan | Chronic kidney disease                        | 65  | 30.3 (18.9, 44.4)    | 0.0010387 (0.0006492, 0.0015236) | 0.02397 (0.01582, 0.03365)  | 21.7 (14.2, 31.1)    | 0.0006402 (0.0004192, 0.0009200) | 0.01918 (0.01312, 0.02704) |
| Kalimantan Selatan | Cirrhosis                                     | 65  | 54.6 (34.7, 84.1)    | 0.001875 (0.0011920, 0.0028876)  | 0.04323 (0.02997, 0.06319)  | 38.6 (24.8, 57.4)    | 0.0011413 (0.0007325, 0.0016961) | 0.03418 (0.02213, 0.05092) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 65  | 113.4 (75.7, 158.3)  | 0.0038933 (0.0025972, 0.0054329) | 0.08993 (0.06301, 0.11744)  | 67.5 (43.7, 94.2)    | 0.0019948 (0.0012931, 0.0027847) | 0.05977 (0.04034, 0.08193) |
| Kalimantan Selatan | Other non-communicable diseases               | 65  | 94.0 (65.5, 132.0)   | 0.0032285 (0.0022493, 0.0045306) | 0.07452 (0.05604, 0.09716)  | 89.8 (63.9, 122.8)   | 0.0026553 (0.0018906, 0.0036304) | 0.07949 (0.05984, 0.10166) |
| Kalimantan Selatan | Drowning                                      | 65  | 1.7 (0.5, 3.9)       | 0.0000591 (0.0000180, 0.0001348) | 0.00137 (0.00042, 0.00304)  | 1.4 (0.4, 3.3)       | 0.0000401 (0.0000115, 0.0000986) | 0.0012 (0.00036, 0.00286)  |
| Kalimantan Selatan | Falls                                         | 65  | 9.8 (4.2, 18.0)      | 0.0003354 (0.0001458, 0.0006182) | 0.00774 (0.00357, 0.01414)  | 7.6 (3.6, 13.2)      | 0.0002256 (0.0001060, 0.0003914) | 0.00676 (0.00317, 0.01188) |
| Kalimantan Selatan | Interpersonal violence                        | 65  | 1.2 (0.5, 2.4)       | 0.0000417 (0.0000175, 0.0000839) | 0.00096 (0.00042, 0.00194)  | 0.7 (0.3, 1.4)       | 0.0000194 (0.0000080, 0.0000412) | 0.00058 (0.00025, 0.00123) |
| Kalimantan Selatan | Self-harm                                     | 65  | 2.9 (1.4, 5.5)       | 0.0001006 (0.0000493, 0.0001873) | 0.00232 (0.00117, 0.00417)  | 1.2 (0.6, 2.1)       | 0.0000342 (0.0000164, 0.0000624) | 0.00102 (0.00049, 0.00187) |
| Kalimantan Selatan | Transport injuries                            | 65  | 20.0 (10.7, 33.3)    | 0.0006877 (0.0003683, 0.0011427) | 0.01588 (0.00903, 0.02589)  | 9.2 (4.8, 15.8)      | 0.000271 (0.0001411, 0.0004677)  | 0.00812 (0.00426, 0.01409) |
| Kalimantan Selatan | Other unintentional injuries                  | 65  | 10.5 (5.3, 18.4)     | 0.0003604 (0.0001829, 0.0006320) | 0.00833 (0.00439, 0.01375)  | 4.8 (2.5, 8.5)       | 0.0001416 (0.0000741, 0.0002509) | 0.00425 (0.00217, 0.00723) |
| Kalimantan Selatan | Diarrheal diseases                            | 70  | 54.3 (32.7, 84.0)    | 0.0028482 (0.0017165, 0.0044086) | 0.04198 (0.02662, 0.06196)  | 85.3 (56.9, 121.0)   | 0.0032566 (0.0021720, 0.0046214) | 0.06189 (0.04209, 0.08602) |
| Kalimantan Selatan | HIV/AIDS                                      | 70  | 0.3 (0.0, 0.9)       | 0.0000141 (0.0000022, 0.0000462) | 0.00021 (0.00003, 0.00068)  | 0.3 (0.0, 1.0)       | 0.0000114 (0.0000018, 0.0000372) | 0.00022 (0.00003, 0.00071) |
| Kalimantan Selatan | Lower respiratory infections                  | 70  | 44.5 (23.4, 73.6)    | 0.0023354 (0.0012270, 0.0038600) | 0.03434 (0.01910, 0.05334)  | 57.6 (32.9, 88.8)    | 0.0022005 (0.0012554, 0.0033889) | 0.04181 (0.02416, 0.06326) |
| Kalimantan Selatan | Malaria                                       | 70  | 11.2 (3.2, 27.9)     | 0.0005881 (0.0001697, 0.0014658) | 0.00864 (0.00246, 0.02020)  | 7.8 (2.1, 21.3)      | 0.0002983 (0.0000798, 0.0008116) | 0.00568 (0.00148, 0.01540) |
| Kalimantan Selatan | Tuberculosis                                  | 70  | 165.9 (119.5, 221.7) | 0.0087047 (0.0062726, 0.0116349) | 0.12813 (0.09888, 0.16113)  | 128.7 (90.5, 174.5)  | 0.0049122 (0.0034536, 0.0066611) | 0.09338 (0.06782, 0.12278) |
| Kalimantan Selatan | Other communicable diseases                   | 70  | 22.9 (11.9, 38.1)    | 0.0011991 (0.0006247, 0.0020001) | 0.01765 (0.00976, 0.02917)  | 28.9 (15.6, 48.3)    | 0.0011037 (0.0005961, 0.0018437) | 0.02098 (0.01180, 0.03479) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 70  | 11.1 (4.2, 25.1)     | 0.0005832 (0.0002215, 0.0013160) | 0.00859 (0.00343, 0.01920)  | 3.3 (1.2, 8.1)       | 0.0001245 (0.0000448, 0.0003101) | 0.00236 (0.00083, 0.00573) |
| Kalimantan Selatan | Breast cancer                                 | 70  | 0.3 (0.1, 0.9)       | 0.0000183 (0.0000041, 0.0000490) | 0.00027 (0.00006, 0.00074)  | 11.5 (4.2, 22.6)     | 0.0004377 (0.0001602, 0.0008632) | 0.0083 (0.00318, 0.01616)  |
| Kalimantan Selatan | Cervical cancer                               | 70  |                      |                                  |                             | 9.1 (3.1, 20.2)      | 0.0003491 (0.0001168, 0.0007730) | 0.00663 (0.00224, 0.01493) |
| Kalimantan Selatan | Other malignant neoplasms                     | 70  | 33.5 (20.4, 51.9)    | 0.0017599 (0.0010708, 0.0027250) | 0.02595 (0.01653, 0.03853)  | 35.8 (20.7, 56.9)    | 0.0013664 (0.0007903, 0.0021739) | 0.02595 (0.01557, 0.04042) |
| Kalimantan Selatan | Cerebrovascular disease                       | 70  | 251.5 (189.7, 323.5) | 0.0132 (0.0099538, 0.0169744)    | 0.19437 (0.16067, 0.23333)  | 312.8 (250.4, 391.0) | 0.0119416 (0.0095599, 0.0149293) | 0.22695 (0.18979, 0.26738) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|--------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                    |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Ischemic heart disease                        | 70  | 171.5 (121.2, 233.7) | 0.0090017 (0.0063580, 0.0122655) | 0.1326 (0.09934, 0.16709)  | 140.5 (100.6, 186.4) | 0.0053654 (0.0038413, 0.0071187) | 0.10201 (0.07376, 0.13120) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 70  | 107.5 (68.8, 159.5)  | 0.0056428 (0.0036126, 0.0083692) | 0.08317 (0.05525, 0.11712) | 137.0 (94.6, 196.3)  | 0.0052298 (0.0036106, 0.0074953) | 0.09938 (0.06877, 0.13839) |
| Kalimantan Selatan | Diabetes mellitus                             | 70  | 57.1 (38.1, 79.8)    | 0.0029979 (0.0020002, 0.0041877) | 0.04416 (0.03140, 0.05775) | 110.6 (76.2, 148.3)  | 0.0042211 (0.0029113, 0.0056618) | 0.08022 (0.05609, 0.10540) |
| Kalimantan Selatan | Chronic kidney disease                        | 70  | 26.2 (16.6, 38.3)    | 0.0013751 (0.0008711, 0.0020107) | 0.02025 (0.01343, 0.02833) | 23.0 (15.2, 32.8)    | 0.0008799 (0.0005811, 0.0012528) | 0.01673 (0.01141, 0.02369) |
| Kalimantan Selatan | Cirrhosis                                     | 70  | 46.1 (29.2, 71.5)    | 0.0024181 (0.0015318, 0.0037531) | 0.03557 (0.02407, 0.05258) | 39.4 (24.6, 59.8)    | 0.001505 (0.0009405, 0.0022824)  | 0.02859 (0.01840, 0.04252) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 70  | 141.1 (98.2, 192.6)  | 0.0074018 (0.0051507, 0.0101063) | 0.1091 (0.07798, 0.14009)  | 98.2 (64.5, 133.7)   | 0.0037512 (0.0024637, 0.0051055) | 0.07131 (0.04897, 0.09460) |
| Kalimantan Selatan | Other non-communicable diseases               | 70  | 103.8 (72.7, 142.5)  | 0.0054487 (0.0038165, 0.0074781) | 0.08024 (0.06003, 0.10383) | 119.9 (86.9, 160.5)  | 0.0045793 (0.0033199, 0.0061265) | 0.08699 (0.06569, 0.11009) |
| Kalimantan Selatan | Drowning                                      | 70  | 2.8 (1.0, 6.3)       | 0.0001474 (0.0000505, 0.0003281) | 0.00218 (0.00075, 0.00479) | 2.5 (0.8, 5.5)       | 0.0000939 (0.0000318, 0.0002107) | 0.00179 (0.00061, 0.00395) |
| Kalimantan Selatan | Falls                                         | 70  | 10.5 (4.6, 19.0)     | 0.0005526 (0.0002433, 0.0009957) | 0.00814 (0.00379, 0.01435) | 9.3 (4.5, 16.3)      | 0.0003569 (0.0001728, 0.0006205) | 0.00678 (0.00332, 0.01151) |
| Kalimantan Selatan | Interpersonal violence                        | 70  | 0.8 (0.3, 1.8)       | 0.0000442 (0.0000173, 0.0000962) | 0.00065 (0.00025, 0.00138) | 0.5 (0.2, 1.2)       | 0.0000205 (0.0000075, 0.0000463) | 0.00039 (0.00015, 0.00086) |
| Kalimantan Selatan | Self-harm                                     | 70  | 2.4 (1.2, 4.5)       | 0.0001258 (0.0000605, 0.0002348) | 0.00185 (0.00092, 0.00336) | 1.1 (0.5, 2.1)       | 0.0000427 (0.0000202, 0.0000802) | 0.00081 (0.00040, 0.00155) |
| Kalimantan Selatan | Transport injuries                            | 70  | 18.5 (10.1, 31.1)    | 0.0009708 (0.0005275, 0.0016344) | 0.0143 (0.00817, 0.02362)  | 9.7 (4.9, 16.8)      | 0.0003704 (0.0001882, 0.0006430) | 0.00704 (0.00366, 0.01229) |
| Kalimantan Selatan | Other unintentional injuries                  | 70  | 9.9 (5.2, 17.1)      | 0.0005197 (0.0002751, 0.0008954) | 0.00767 (0.00419, 0.01287) | 5.2 (2.7, 9.7)       | 0.0002001 (0.0001040, 0.0003710) | 0.00381 (0.00197, 0.00698) |
| Kalimantan Selatan | Diarrheal diseases                            | 75  | 39.5 (24.1, 59.3)    | 0.0047703 (0.0029132, 0.0071597) | 0.05037 (0.03227, 0.07252) | 75.2 (51.7, 104.2)   | 0.0059524 (0.0040858, 0.0082437) | 0.07326 (0.05204, 0.09844) |
| Kalimantan Selatan | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.4)       | 0.0000156 (0.0000023, 0.0000503) | 0.00016 (0.00003, 0.00050) | 0.2 (0.0, 0.6)       | 0.0000134 (0.0000022, 0.0000436) | 0.00017 (0.00003, 0.00054) |
| Kalimantan Selatan | Lower respiratory infections                  | 75  | 28.9 (15.7, 47.4)    | 0.003488 (0.0019014, 0.0057276)  | 0.03677 (0.02072, 0.05770) | 45.7 (27.2, 69.0)    | 0.0036167 (0.0021555, 0.0054568) | 0.04453 (0.02647, 0.06595) |
| Kalimantan Selatan | Malaria                                       | 75  | 7.1 (2.0, 18.3)      | 0.0008562 (0.0002436, 0.0022064) | 0.00902 (0.00255, 0.02245) | 5.7 (1.5, 16.2)      | 0.0004525 (0.0001202, 0.0012785) | 0.00558 (0.00146, 0.01522) |
| Kalimantan Selatan | Tuberculosis                                  | 75  | 89.5 (63.5, 121.7)   | 0.0108037 (0.0076686, 0.0146936) | 0.11395 (0.08585, 0.14576) | 80.5 (55.7, 110.0)   | 0.0063672 (0.0044096, 0.0087011) | 0.07841 (0.05550, 0.10474) |
| Kalimantan Selatan | Other communicable diseases                   | 75  | 13.4 (6.9, 22.8)     | 0.0016131 (0.0008298, 0.0027504) | 0.01702 (0.00903, 0.02855) | 20.9 (11.1, 33.5)    | 0.0016497 (0.0008810, 0.0026503) | 0.02032 (0.01110, 0.03318) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 75  | 5.0 (1.8, 11.1)      | 0.0006043 (0.0002228, 0.0013397) | 0.00637 (0.00244, 0.01442) | 1.8 (0.6, 4.6)       | 0.0001449 (0.0000502, 0.0003652) | 0.00178 (0.00061, 0.00444) |
| Kalimantan Selatan | Breast cancer                                 | 75  | 0.1 (0.0, 0.4)       | 0.0000173 (0.0000036, 0.0000525) | 0.00018 (0.00004, 0.00052) | 5.3 (1.9, 10.8)      | 0.0004176 (0.0001500, 0.0008529) | 0.00513 (0.00187, 0.01032) |
| Kalimantan Selatan | Cervical cancer                               | 75  |                      |                                  |                            | 4.1 (1.3, 9.9)       | 0.0003282 (0.0001031, 0.0007799) | 0.00404 (0.00128, 0.00960) |
| Kalimantan Selatan | Other malignant neoplasms                     | 75  | 15.8 (9.3, 24.5)     | 0.0019113 (0.0011268, 0.0029539) | 0.02019 (0.01249, 0.03064) | 22.1 (13.2, 35.3)    | 0.0017446 (0.0010402, 0.0027928) | 0.02146 (0.01297, 0.03356) |
| Kalimantan Selatan | Cerebrovascular disease                       | 75  | 152.6 (114.9, 196.5) | 0.0184196 (0.0138772, 0.0237285) | 0.19437 (0.15827, 0.23483) | 237.8 (191.4, 294.2) | 0.0188805 (0.0151426, 0.0232685) | 0.23159 (0.19366, 0.27403) |
| Kalimantan Selatan | Ischemic heart disease                        | 75  | 112.3 (81.1, 151.9)  | 0.0135607 (0.0097889, 0.0183356) | 0.14312 (0.10799, 0.17896) | 115.2 (84.2, 151.4)  | 0.0091164 (0.0066577, 0.0119785) | 0.11228 (0.08278, 0.14331) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 75  | 67.7 (43.5, 100.7)   | 0.0081705 (0.0052549, 0.0121603) | 0.08628 (0.05754, 0.12236) | 105.4 (72.8, 149.4)  | 0.0083347 (0.0057621, 0.0118151) | 0.10262 (0.07064, 0.14387) |
| Kalimantan Selatan | Diabetes mellitus                             | 75  | 29.2 (19.4, 40.7)    | 0.003521 (0.0023407, 0.0049183)  | 0.03717 (0.02611, 0.04952) | 69.5 (46.9, 94.0)    | 0.0054987 (0.0037096, 0.0074321) | 0.06771 (0.04679, 0.09004) |
| Kalimantan Selatan | Chronic kidney disease                        | 75  | 14.3 (8.9, 21.1)     | 0.0017303 (0.0010789, 0.0025450) | 0.01826 (0.01200, 0.02588) | 15.2 (10.0, 21.9)    | 0.0012047 (0.0007894, 0.0017355) | 0.01484 (0.00992, 0.02114) |
| Kalimantan Selatan | Cirrhosis                                     | 75  | 24.4 (15.5, 37.3)    | 0.0029493 (0.0018671, 0.0044992) | 0.03111 (0.02089, 0.04520) | 26.2 (16.6, 39.4)    | 0.002075 (0.0013105, 0.0031132)  | 0.02554 (0.01651, 0.03807) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 75  | 86.6 (59.6, 119.2)   | 0.0104597 (0.0071925, 0.0143886) | 0.11047 (0.07998, 0.14448) | 71.5 (47.5, 97.6)    | 0.0056547 (0.0037544, 0.0077222) | 0.06964 (0.04749, 0.09448) |
| Kalimantan Selatan | Other non-communicable diseases               | 75  | 72.5 (51.7, 99.5)    | 0.0087568 (0.0062367, 0.0120091) | 0.09242 (0.07071, 0.11850) | 103.7 (77.4, 137.4)  | 0.0082001 (0.0061254, 0.0108715) | 0.10092 (0.07707, 0.12779) |
| Kalimantan Selatan | Drowning                                      | 75  | 2.3 (0.8, 5.1)       | 0.0002811 (0.0000996, 0.0006157) | 0.00298 (0.00105, 0.00644) | 2.6 (1.0, 5.6)       | 0.000204 (0.0000815, 0.0004458)  | 0.00251 (0.00097, 0.00524) |
| Kalimantan Selatan | Falls                                         | 75  | 7.6 (3.5, 13.1)      | 0.000913 (0.0004226, 0.0015869)  | 0.00963 (0.00459, 0.01675) | 8.3 (4.0, 13.9)      | 0.0006565 (0.0003203, 0.0011002) | 0.00809 (0.00400, 0.01355) |
| Kalimantan Selatan | Interpersonal violence                        | 75  | 0.4 (0.1, 1.0)       | 0.0000479 (0.0000143, 0.0001224) | 0.00051 (0.00015, 0.00126) | 0.3 (0.1, 0.8)       | 0.0000225 (0.0000068, 0.0000610) | 0.00028 (0.00008, 0.00075) |
| Kalimantan Selatan | Self-harm                                     | 75  | 1.4 (0.6, 2.8)       | 0.0001665 (0.0000757, 0.0003393) | 0.00176 (0.00084, 0.00356) | 0.7 (0.3, 1.4)       | 0.0000567 (0.0000246, 0.0001124) | 0.0007 (0.00031, 0.00143)  |
| Kalimantan Selatan | Transport injuries                            | 75  | 8.3 (4.1, 15.0)      | 0.0010006 (0.0004972, 0.0018058) | 0.01056 (0.00554, 0.01807) | 5.2 (2.5, 9.7)       | 0.0004145 (0.0002002, 0.0007672) | 0.00511 (0.00250, 0.00944) |
| Kalimantan Selatan | Other unintentional injuries                  | 75  | 5.7 (2.8, 10.4)      | 0.0006941 (0.0003427, 0.0012541) | 0.00733 (0.00375, 0.01281) | 3.6 (1.7, 6.7)       | 0.0002836 (0.0001341, 0.0005295) | 0.00035 (0.00171, 0.00652) |
| Kalimantan Selatan | Diarrheal diseases                            | 80  | 111.1 (76.2, 153.0)  | 0.0152992 (0.0104883, 0.0210651) | 0.09045 (0.06305, 0.12130) | 245.7 (179.3, 319.9) | 0.0185629 (0.0135437, 0.0241694) | 0.11171 (0.08299, 0.14454) |
| Kalimantan Selatan | HIV/AIDS                                      | 80  | 0.2 (0.0, 0.7)       | 0.0000292 (0.0000040, 0.0001032) | 0.00017 (0.00002, 0.00061) | 0.4 (0.1, 1.3)       | 0.0000274 (0.0000039, 0.0000948) | 0.00017 (0.00002, 0.00060) |
| Kalimantan Selatan | Lower respiratory infections                  | 80  | 57.9 (32.7, 91.3)    | 0.0079744 (0.0044994, 0.0125651) | 0.04712 (0.02704, 0.07101) | 111.9 (67.3, 165.5)  | 0.0084541 (0.0050869, 0.0125057) | 0.05088 (0.03048, 0.07472) |
| Kalimantan Selatan | Malaria                                       | 80  | 12.0 (2.9, 33.3)     | 0.0016546 (0.0004011, 0.0045794) | 0.00976 (0.00241, 0.02692) | 12.9 (3.2, 37.8)     | 0.0009758 (0.0002395, 0.0028549) | 0.00588 (0.00145, 0.01716) |
| Kalimantan Selatan | Tuberculosis                                  | 80  | 130.2 (93.0, 176.9)  | 0.0179303 (0.0128017, 0.0243544) | 0.10594 (0.07647, 0.13789) | 166.2 (112.3, 224.4) | 0.0125527 (0.0084859, 0.0169546) | 0.07556 (0.05170, 0.10419) |
| Kalimantan Selatan | Other communicable diseases                   | 80  | 26.4 (13.9, 44.0)    | 0.0036376 (0.0019172, 0.0060531) | 0.0215 (0.01133, 0.03596)  | 46.2 (24.8, 76.6)    | 0.0034934 (0.0018766, 0.0057857) | 0.02103 (0.01135, 0.03569) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 80  | 5.9 (2.1, 13.4)      | 0.0008159 (0.0002875, 0.0018509) | 0.00482 (0.00169, 0.01103) | 3.1 (1.1, 8.3)       | 0.0002363 (0.0000796, 0.0006257) | 0.00142 (0.00046, 0.00362) |
| Kalimantan Selatan | Breast cancer                                 | 80  | 0.1 (0.0, 0.4)       | 0.0000201 (0.0000037, 0.0000614) | 0.00012 (0.00002, 0.00037) | 7.4 (2.4, 15.5)      | 0.0005595 (0.0001819, 0.0011699) | 0.00336 (0.00112, 0.00714) |
| Kalimantan Selatan | Cervical cancer                               | 80  |                      |                                  |                            | 5.0 (1.4, 13.0)      | 0.0003773 (0.0001045, 0.0009844) | 0.00227 (0.00064, 0.00602) |
| Kalimantan Selatan | Other malignant neoplasms                     | 80  | 18.9 (11.3, 29.0)    | 0.0025955 (0.0015560, 0.0039982) | 0.01535 (0.00932, 0.02345) | 36.8 (21.9, 59.4)    | 0.0027801 (0.0016578, 0.0044865) | 0.01672 (0.01007, 0.02599) |
| Kalimantan Selatan | Cerebrovascular disease                       | 80  | 236.2 (186.3, 294.3) | 0.0325114 (0.0256476, 0.0405174) | 0.19217 (0.15814, 0.23302) | 501.5 (410.0, 607.5) | 0.0378878 (0.0309767, 0.0458915) | 0.22801 (0.19050, 0.26986) |
| Kalimantan Selatan | Ischemic heart disease                        | 80  | 154.0 (118.1, 199.9) | 0.0211976 (0.0153903, 0.0275245) | 0.12533 (0.09427, 0.15984) | 236.3 (171.5, 307.8) | 0.0178537 (0.0129537, 0.0232539) | 0.10747 (0.07826, 0.13752) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 80  | 95.6 (63.7, 138.1)   | 0.0131641 (0.0087657, 0.0190178) | 0.07784 (0.05214, 0.11156) | 206.6 (142.9, 294.7) | 0.0156045 (0.0107922, 0.0222669) | 0.0939 (0.06440, 0.13395)  |
| Kalimantan Selatan | Diabetes mellitus                             | 80  | 34.5 (23.0, 47.4)    | 0.0047532 (0.0031609, 0.0065241) | 0.0281 (0.01922, 0.03777)  | 117.8 (80.0, 157.8)  | 0.008897 (0.0060466, 0.0119191)  | 0.05354 (0.03677, 0.07238) |
| Kalimantan Selatan | Chronic kidney disease                        | 80  | 17.2 (10.7, 25.6)    | 0.0023672 (0.0014715, 0.0035240) | 0.01399 (0.00898, 0.02073) | 26.8 (17.5, 40.3)    | 0.0020259 (0.0013241, 0.0030418) | 0.01219 (0.00803, 0.01812) |
| Kalimantan Selatan | Cirrhosis                                     | 80  | 32.2 (20.5, 49.4)    | 0.0044316 (0.0028261, 0.0068070) | 0.02619 (0.01725, 0.03831) | 45.7 (28.3, 68.9)    | 0.0034497 (0.0021410, 0.0052036) | 0.02076 (0.01304, 0.03103) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 80  | 131.5 (93.5, 175.5)  | 0.018099 (0.0128665, 0.0241544)  | 0.10703 (0.07721, 0.13793) | 147.1 (98.5, 198.7)  | 0.0111106 (0.0074393, 0.0150114) | 0.06688 (0.04556, 0.09087) |
| Kalimantan Selatan | Other non-communicable diseases               | 80  | 122.3 (89.8, 160.5)  | 0.0168381 (0.0123573, 0.0220972) | 0.09954 (0.07489, 0.12727) | 239.7 (180.3, 308.1) | 0.0181101 (0.0136182, 0.0232724) | 0.10896 (0.08303, 0.13624) |
| Kalimantan Selatan | Drowning                                      | 80  | 4.0 (1.4, 9.1)       | 0.0005541 (0.0001890, 0.0012510) | 0.00328 (0.00112, 0.00755) | 4.7 (1.6, 10.8)      | 0.0003535 (0.0001243, 0.0008180) | 0.00213 (0.00073, 0.00490) |
| Kalimantan Selatan | Falls                                         | 80  | 16.5 (8.1, 27.1)     | 0.0022693 (0.0011195, 0.0037899) | 0.01341 (0.00682, 0.02239) | 20.5 (10.8, 33.4)    | 0.0015461 (0.0008131, 0.0025209) | 0.00931 (0.00496, 0.01525) |
| Kalimantan Selatan | Interpersonal violence                        | 80  | 0.4 (0.1, 1.3)       | 0.0000597 (0.0000122, 0.0001760) | 0.00035 (0.00007, 0.00101) | 0.4 (0.1, 1.4)       | 0.0000338 (0.0000074, 0.0001049) | 0.0002 (0.00004, 0.00061)  |
| Kalimantan Selatan | Self-harm                                     | 80  | 1.8 (0.8, 3.7)       | 0.0002445 (0.0001033, 0.0005113) | 0.00145 (0.00061, 0.00295) | 1.4 (0.5, 2.9)       | 0.0001045 (0.0000403, 0.0002202) | 0.00063 (0.00025, 0.00136) |
| Kalimantan Selatan | Transport injuries                            | 80  | 11.5 (5.3, 21.7)     | 0.0015841 (0.0007260, 0.0029915) | 0.00936 (0.00451, 0.01734) | 8.8 (3.7, 17.3)      | 0.000664 (0.0002799, 0.0013033)  | 0.004 (0.00171, 0.00793)   |
| Kalimantan Selatan | Other unintentional injuries                  | 80  | 8.2 (3.8, 14.8)      | 0.0011354 (0.0005204, 0.0020441) | 0.00672 (0.00312, 0.01184) | 6.6 (3.0, 12.3)      | 0.0005017 (0.0002231, 0.0009263) | 0.00302 (0.00135, 0.00556) |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|--------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                    |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Selatan | Diarrheal diseases                                       | All | 671.4 (432.0, 982.9)       | 0.0003273 (0.0002106, 0.0004792) | 0.04243 (0.02746, 0.06141) | 910.4 (636.2, 1,247.5)     | 0.0004541 (0.0003174, 0.0006223) | 0.06715 (0.04741, 0.09101) |
| Kalimantan Selatan | HIV/AIDS                                                 | All | 39.8 (8.6, 111.9)          | 0.0000194 (0.0000042, 0.0000545) | 0.0025 (0.00055, 0.00686)  | 25.0 (5.2, 69.9)           | 0.0000125 (0.0000026, 0.0000349) | 0.00185 (0.00038, 0.00521) |
| Kalimantan Selatan | Lower respiratory infections                             | All | 749.6 (492.4, 1,076.0)     | 0.0003655 (0.0002401, 0.0005246) | 0.04728 (0.03230, 0.06418) | 675.2 (436.1, 969.8)       | 0.0003368 (0.0002175, 0.0004838) | 0.04977 (0.03373, 0.06930) |
| Kalimantan Selatan | Malaria                                                  | All | 200.8 (66.6, 459.1)        | 0.0000979 (0.0000325, 0.0002238) | 0.01268 (0.00425, 0.02875) | 127.6 (39.1, 318.5)        | 0.0000636 (0.0000195, 0.0001589) | 0.0094 (0.00280, 0.02251)  |
| Kalimantan Selatan | Tuberculosis                                             | All | 1,893.5 (1,418.7, 2,468.0) | 0.0009232 (0.0006917, 0.0012034) | 0.11949 (0.09332, 0.14698) | 1,173.7 (836.2, 1,553.5)   | 0.0005855 (0.0004171, 0.0007749) | 0.0866 (0.06434, 0.11333)  |
| Kalimantan Selatan | Maternal disorders                                       | All |                            |                                  |                            | 90.8 (48.6, 152.6)         | 0.0000453 (0.0000243, 0.0000761) | 0.00668 (0.00374, 0.01080) |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | All | 456.9 (222.4, 737.0)       | 0.0002228 (0.0001084, 0.0003594) | 0.02872 (0.01465, 0.04674) | 316.4 (155.8, 555.2)       | 0.0001578 (0.0000777, 0.0002769) | 0.02319 (0.01193, 0.03951) |
| Kalimantan Selatan | Preterm birth complications                              | All | 289.3 (116.7, 498.3)       | 0.0001411 (0.0000569, 0.0002430) | 0.01819 (0.00771, 0.03141) | 264.9 (116.1, 473.8)       | 0.0001322 (0.0000579, 0.0002364) | 0.01943 (0.00897, 0.03390) |
| Kalimantan Selatan | Other neonatal disorders                                 | All | 188.2 (50.4, 416.9)        | 0.0000918 (0.0000246, 0.0002033) | 0.01185 (0.00343, 0.02551) | 122.8 (34.7, 271.3)        | 0.0000613 (0.0000173, 0.0001354) | 0.00902 (0.00267, 0.01979) |
| Kalimantan Selatan | Other communicable diseases                              | All | 830.0 (556.2, 1,167.3)     | 0.0004047 (0.0002712, 0.0005692) | 0.05245 (0.03650, 0.07260) | 657.3 (427.2, 940.5)       | 0.0003279 (0.0002131, 0.0004692) | 0.04848 (0.03277, 0.06831) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer                      | All | 117.2 (45.8, 265.5)        | 0.0000571 (0.0000223, 0.0001295) | 0.0074 (0.00293, 0.01698)  | 38.4 (13.9, 90.3)          | 0.0000191 (0.0000069, 0.0000450) | 0.00282 (0.00104, 0.00663) |
| Kalimantan Selatan | Breast cancer                                            | All | 6.1 (1.8, 14.5)            | 0.000003 (0.0000009, 0.0000071)  | 0.00039 (0.00012, 0.00091) | 268.4 (118.5, 476.7)       | 0.0001339 (0.0000591, 0.0002378) | 0.01973 (0.00895, 0.03361) |
| Kalimantan Selatan | Cervical cancer                                          | All |                            |                                  |                            | 205.8 (86.9, 414.0)        | 0.0001027 (0.0000433, 0.0002065) | 0.01519 (0.00653, 0.03041) |
| Kalimantan Selatan | Other malignant neoplasms                                | All | 671.8 (421.1, 980.1)       | 0.0003276 (0.0002053, 0.0004779) | 0.04245 (0.02760, 0.06128) | 454.0 (273.5, 727.6)       | 0.0002264 (0.0001364, 0.0003630) | 0.03344 (0.02119, 0.05088) |
| Kalimantan Selatan | Cerebrovascular disease                                  | All | 1,880.9 (1,432.8, 2,432.7) | 0.0009171 (0.0006986, 0.0011862) | 0.11864 (0.09532, 0.14713) | 2,087.6 (1,671.2, 2,606.3) | 0.0010414 (0.0008337, 0.0013001) | 0.15409 (0.12620, 0.18651) |
| Kalimantan Selatan | Ischemic heart disease                                   | All | 1,575.8 (1,134.6, 2,140.0) | 0.0007684 (0.0005532, 0.0010434) | 0.09942 (0.07428, 0.12661) | 1,071.7 (764.9, 1,427.5)   | 0.0005346 (0.0003816, 0.0007121) | 0.0791 (0.05864, 0.10139)  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | All | 788.5 (505.1, 1,189.6)     | 0.0003845 (0.0002463, 0.0005800) | 0.0498 (0.03274, 0.07073)  | 927.1 (630.5, 1,324.6)     | 0.0004625 (0.0003145, 0.0006608) | 0.06842 (0.04681, 0.09596) |
| Kalimantan Selatan | Diabetes mellitus                                        | All | 680.7 (457.5, 944.7)       | 0.0003319 (0.0002231, 0.0004606) | 0.04293 (0.03043, 0.05641) | 1,014.9 (702.9, 1,358.1)   | 0.0005063 (0.0003506, 0.0006774) | 0.07487 (0.05332, 0.09781) |
| Kalimantan Selatan | Chronic kidney disease                                   | All | 340.8 (217.6, 492.2)       | 0.0001661 (0.0001061, 0.0002400) | 0.02151 (0.01418, 0.03093) | 244.7 (161.2, 355.2)       | 0.0001221 (0.0000804, 0.0001772) | 0.01806 (0.01216, 0.02572) |
| Kalimantan Selatan | Cirrhosis                                                | All | 747.4 (495.2, 1,106.7)     | 0.0003644 (0.0002415, 0.0005396) | 0.04712 (0.03276, 0.06777) | 450.5 (290.3, 683.8)       | 0.0002247 (0.0001448, 0.0003411) | 0.03321 (0.02205, 0.04981) |
| Kalimantan Selatan | Chronic respiratory diseases                             | All | 898.4 (604.9, 1,260.3)     | 0.000438 (0.0002950, 0.0006145)  | 0.05674 (0.03876, 0.07665) | 594.9 (383.4, 827.6)       | 0.0002968 (0.0001913, 0.0004128) | 0.04392 (0.02931, 0.06008) |
| Kalimantan Selatan | Other non-communicable diseases                          | All | 1,178.2 (868.3, 1,574.0)   | 0.0005745 (0.0004234, 0.0007675) | 0.07436 (0.05845, 0.09139) | 1,208.5 (887.6, 1,562.2)   | 0.0006028 (0.0004428, 0.0007793) | 0.08906 (0.07023, 0.10868) |
| Kalimantan Selatan | Drowning                                                 | All | 206.1 (108.8, 329.4)       | 0.0001005 (0.0000530, 0.0001606) | 0.01308 (0.00678, 0.02132) | 74.1 (35.3, 130.9)         | 0.0000369 (0.0000176, 0.0000653) | 0.00547 (0.00263, 0.00959) |
| Kalimantan Selatan | Falls                                                    | All | 150.1 (70.6, 259.6)        | 0.0000732 (0.0000344, 0.0001266) | 0.00949 (0.00454, 0.01657) | 94.4 (47.0, 162.3)         | 0.0000471 (0.0000234, 0.0000810) | 0.00696 (0.00349, 0.01180) |
| Kalimantan Selatan | Interpersonal violence                                   | All | 57.0 (35.3, 91.0)          | 0.0000278 (0.0000172, 0.0000444) | 0.00361 (0.00221, 0.00572) | 32.6 (17.9, 55.3)          | 0.0000163 (0.0000089, 0.0000276) | 0.0024 (0.00141, 0.00400)  |
| Kalimantan Selatan | Self-harm                                                | All | 68.8 (39.2, 111.1)         | 0.0000335 (0.0000191, 0.0000542) | 0.00435 (0.00247, 0.00696) | 30.9 (17.0, 52.6)          | 0.0000154 (0.0000085, 0.0000263) | 0.00228 (0.00129, 0.00380) |
| Kalimantan Selatan | Transport injuries                                       | All | 832.0 (560.3, 1,191.5)     | 0.0004057 (0.0002732, 0.0005810) | 0.05256 (0.03689, 0.07390) | 274.5 (169.7, 416.7)       | 0.0001369 (0.0000846, 0.0002079) | 0.02024 (0.01286, 0.03037) |
| Kalimantan Selatan | Other unintentional injuries                             | All | 325.6 (192.9, 513.6)       | 0.0001588 (0.0000941, 0.0002504) | 0.02059 (0.01241, 0.03155) | 124.2 (70.2, 202.6)        | 0.000062 (0.0000350, 0.0001011)  | 0.00916 (0.00517, 0.01466) |
| Kalimantan Timur   | Diarrheal diseases                                       | NN  | 2.6 (0.9, 5.3)             | 0.0008816 (0.0002972, 0.0018338) | 0.00795 (0.00386, 0.01361) | 2.1 (0.7, 4.6)             | 0.0007563 (0.0002594, 0.0016750) | 0.00894 (0.00442, 0.01546) |
| Kalimantan Timur   | Lower respiratory infections                             | NN  | 27.3 (11.7, 47.9)          | 0.0093861 (0.0040166, 0.0164593) | 0.08514 (0.05844, 0.11806) | 16.1 (7.0, 30.7)           | 0.005816 (0.0025173, 0.0111010)  | 0.06893 (0.04631, 0.09774) |
| Kalimantan Timur   | Malaria                                                  | NN  | 0.1 (0.0, 0.3)             | 0.0000241 (0.0000016, 0.0001194) | 0.00022 (0.00002, 0.00094) | - (0.0, 0.2)               | 0.0000148 (0.0000012, 0.0000646) | 0.00018 (0.00002, 0.00074) |
| Kalimantan Timur   | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 57.8 (23.3, 105.7)         | 0.0198295 (0.0079842, 0.0362818) | 0.17939 (0.11305, 0.26332) | 36.9 (15.3, 74.2)          | 0.0133715 (0.0055347, 0.0268539) | 0.15885 (0.09480, 0.24141) |
| Kalimantan Timur   | Preterm birth complications                              | NN  | 93.3 (40.3, 163.2)         | 0.0320378 (0.0138211, 0.0560243) | 0.29042 (0.19440, 0.39502) | 79.2 (36.6, 143.0)         | 0.0286945 (0.0132484, 0.0517841) | 0.3402 (0.24224, 0.43851)  |
| Kalimantan Timur   | Other neonatal disorders                                 | NN  | 60.7 (21.4, 124.0)         | 0.0208495 (0.0073631, 0.0425866) | 0.18828 (0.09503, 0.29837) | 38.3 (13.8, 78.0)          | 0.0138534 (0.0050150, 0.0282469) | 0.16498 (0.07765, 0.27638) |
| Kalimantan Timur   | Other communicable diseases                              | NN  | 3.4 (1.2, 7.2)             | 0.0011726 (0.0004242, 0.0024842) | 0.0106 (0.00544, 0.01838)  | 1.9 (0.7, 4.3)             | 0.0006929 (0.0002424, 0.0015496) | 0.00821 (0.00417, 0.01449) |
| Kalimantan Timur   | Other malignant neoplasms                                | NN  | 3.5 (1.2, 7.3)             | 0.0011945 (0.0004210, 0.0025200) | 0.01082 (0.00576, 0.01827) | 2.7 (1.0, 6.0)             | 0.0009956 (0.0003768, 0.0021709) | 0.01181 (0.00630, 0.02049) |
| Kalimantan Timur   | Cerebrovascular disease                                  | NN  | 0.9 (0.2, 2.6)             | 0.0003156 (0.0000773, 0.0008998) | 0.00287 (0.00089, 0.00670) | 0.9 (0.2, 2.6)             | 0.0003285 (0.0000786, 0.0009452) | 0.0039 (0.00125, 0.00933)  |
| Kalimantan Timur   | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 2.8)             | 0.0003525 (0.0000750, 0.0009584) | 0.0032 (0.00093, 0.00765)  | 0.9 (0.2, 2.6)             | 0.0003362 (0.0000787, 0.0009592) | 0.00399 (0.00123, 0.00990) |
| Kalimantan Timur   | Diabetes mellitus                                        | NN  | 0.3 (0.0, 2.6)             | 0.000106 (0.0000004, 0.0009010)  | 0.00097 (0.00000, 0.00738) | 0.4 (0.0, 3.0)             | 0.0001432 (0.0000007, 0.0010721) | 0.00169 (0.00001, 0.01279) |
| Kalimantan Timur   | Other non-communicable diseases                          | NN  | 54.2 (25.7, 90.1)          | 0.0186202 (0.0088211, 0.0309523) | 0.16892 (0.13966, 0.20151) | 48.2 (24.1, 84.2)          | 0.0174703 (0.0087427, 0.0304991) | 0.20772 (0.17595, 0.24553) |
| Kalimantan Timur   | Drowning                                                 | NN  | 3.0 (0.9, 7.4)             | 0.0010329 (0.0002961, 0.0025539) | 0.00938 (0.00362, 0.01916) | 0.7 (0.2, 1.8)             | 0.0002529 (0.0000657, 0.0006628) | 0.00298 (0.00109, 0.00657) |
| Kalimantan Timur   | Falls                                                    | NN  | 2.1 (0.6, 5.4)             | 0.0007258 (0.0002008, 0.0018620) | 0.00659 (0.00250, 0.01452) | 0.7 (0.2, 1.7)             | 0.0002442 (0.0000671, 0.0006210) | 0.00289 (0.00104, 0.00642) |
| Kalimantan Timur   | Interpersonal violence                                   | NN  | 0.8 (0.2, 2.3)             | 0.0002826 (0.0000679, 0.0007889) | 0.00256 (0.00083, 0.00599) | 0.5 (0.1, 1.2)             | 0.0001658 (0.0000400, 0.0004261) | 0.00198 (0.00064, 0.00454) |
| Kalimantan Timur   | Transport injuries                                       | NN  | 4.4 (1.4, 9.4)             | 0.0015246 (0.0004836, 0.0032323) | 0.01386 (0.00620, 0.02533) | 1.1 (0.3, 2.5)             | 0.0003857 (0.0001213, 0.0009134) | 0.00457 (0.00201, 0.00849) |
| Kalimantan Timur   | Other unintentional injuries                             | NN  | 6.0 (2.1, 13.2)            | 0.0020712 (0.0007079, 0.0045226) | 0.01883 (0.00880, 0.03344) | 1.9 (0.6, 4.2)             | 0.0006896 (0.0002333, 0.0015175) | 0.00817 (0.00396, 0.01453) |
| Kalimantan Timur   | Diarrheal diseases                                       | PNN | 27.5 (11.9, 49.1)          | 0.0007572 (0.0003272, 0.0013508) | 0.19027 (0.11886, 0.25808) | 33.9 (14.0, 60.8)          | 0.0009827 (0.0004063, 0.0017630) | 0.23583 (0.15574, 0.31006) |
| Kalimantan Timur   | HIV/AIDS                                                 | PNN | 1.9 (0.4, 5.6)             | 0.0000526 (0.0000097, 0.0001538) | 0.01309 (0.00314, 0.03253) | 1.6 (0.3, 4.6)             | 0.0000472 (0.0000084, 0.0001333) | 0.01139 (0.00262, 0.02872) |
| Kalimantan Timur   | Lower respiratory infections                             | PNN | 22.3 (10.1, 40.5)          | 0.0006128 (0.0002784, 0.0011136) | 0.15402 (0.10835, 0.20104) | 18.9 (8.2, 35.6)           | 0.000549 (0.0002374, 0.0010316)  | 0.13183 (0.09223, 0.17484) |
| Kalimantan Timur   | Malaria                                                  | PNN | 0.7 (0.1, 3.0)             | 0.0000201 (0.0000016, 0.0000821) | 0.00505 (0.00049, 0.02055) | 0.7 (0.1, 2.8)             | 0.000019 (0.0000015, 0.0000802)  | 0.00458 (0.00045, 0.01837) |
| Kalimantan Timur   | Tuberculosis                                             | PNN | 1.8 (0.6, 3.8)             | 0.0000499 (0.0000163, 0.0001056) | 0.01259 (0.00566, 0.02278) | 1.7 (0.5, 3.6)             | 0.000048 (0.0000152, 0.0001051)  | 0.0116 (0.00502, 0.02195)  |
| Kalimantan Timur   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 1.2 (0.3, 3.5)             | 0.0000339 (0.0000077, 0.0000953) | 0.00849 (0.00254, 0.02083) | 1.1 (0.2, 3.1)             | 0.0000318 (0.0000069, 0.0000904) | 0.00769 (0.00237, 0.01913) |
| Kalimantan Timur   | Preterm birth complications                              | PNN | 6.6 (2.0, 15.6)            | 0.0001828 (0.0000563, 0.0004279) | 0.04597 (0.01800, 0.09549) | 8.9 (2.7, 21.3)            | 0.0002575 (0.0000771, 0.0006168) | 0.06224 (0.02578, 0.12119) |
| Kalimantan Timur   | Other neonatal disorders                                 | PNN | 6.3 (1.4, 17.5)            | 0.0001723 (0.0000390, 0.0004812) | 0.04331 (0.01180, 0.10958) | 5.5 (1.1, 16.3)            | 0.0001602 (0.0000333, 0.0004727) | 0.03881 (0.01046, 0.10406) |
| Kalimantan Timur   | Other communicable diseases                              | PNN | 40.6 (19.2, 70.9)          | 0.0011172 (0.0005295, 0.0019498) | 0.28149 (0.20671, 0.36287) | 34.4 (15.5, 63.4)          | 0.0009986 (0.0004500, 0.0018397) | 0.24089 (0.16936, 0.32201) |
| Kalimantan Timur   | Other malignant neoplasms                                | PNN | 1.5 (0.6, 3.0)             | 0.0000412 (0.0000158, 0.0000824) | 0.01035 (0.00554, 0.01735) | 1.6 (0.6, 3.3)             | 0.000047 (0.0000174, 0.0000969)  | 0.01135 (0.00608, 0.01946) |
| Kalimantan Timur   | Cerebrovascular disease                                  | PNN | 0.4 (0.1, 1.0)             | 0.0000109 (0.0000029, 0.0000287) | 0.00274 (0.00085, 0.00647) | 0.5 (0.1, 1.5)             | 0.0000156 (0.0000037, 0.0000434) | 0.00375 (0.00121, 0.00903) |
| Kalimantan Timur   | Ischemic heart disease                                   | PNN | 0.2 (0.0, 1.2)             | 0.0000066 (0.0000004, 0.0000330) | 0.00164 (0.00013, 0.00733) | 0.3 (0.0, 1.6)             | 0.0000089 (0.0000006, 0.0000450) | 0.0021 (0.00017, 0.00973)  |
| Kalimantan Timur   | Other cardiovascular and circulatory diseases            | PNN | 0.4 (0.1, 1.2)             | 0.0000121 (0.0000026, 0.0000333) | 0.00304 (0.00089, 0.00727) | 0.5 (0.1, 1.5)             | 0.0000158 (0.0000036, 0.0000422) | 0.00381 (0.00118, 0.00941) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males             |                                  |                            | Females           |                                  |                            |
|------------------|----------------------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Diabetes mellitus                                        | PNN | 0.1 (0.0, 1.2)    | 0.0000037 (0.0000000, 0.0000329) | 0.00093 (0.00000, 0.00716) | 0.2 (0.0, 1.7)    | 0.0000067 (0.0000000, 0.0000501) | 0.00163 (0.00001, 0.01228) |
| Kalimantan Timur | Chronic kidney disease                                   | PNN | 1.4 (0.4, 3.0)    | 0.0000379 (0.0000123, 0.0000822) | 0.00952 (0.00430, 0.01879) | 1.6 (0.5, 3.7)    | 0.0000475 (0.0000146, 0.0001072) | 0.01142 (0.00523, 0.02150) |
| Kalimantan Timur | Other non-communicable diseases                          | PNN | 23.1 (11.0, 39.5) | 0.0006357 (0.0003038, 0.0010876) | 0.16 (0.13053, 0.19333)    | 28.3 (13.3, 51.6) | 0.0008222 (0.0003870, 0.0014982) | 0.19777 (0.16677, 0.23572) |
| Kalimantan Timur | Drowning                                                 | PNN | 1.6 (0.5, 3.7)    | 0.0000432 (0.0000132, 0.0001016) | 0.01088 (0.00448, 0.02167) | 0.5 (0.1, 1.2)    | 0.0000145 (0.0000041, 0.0000362) | 0.0035 (0.00133, 0.00761)  |
| Kalimantan Timur | Falls                                                    | PNN | 1.1 (0.3, 2.6)    | 0.0000291 (0.0000083, 0.0000709) | 0.00733 (0.00283, 0.01577) | 0.5 (0.1, 1.2)    | 0.0000136 (0.0000036, 0.0000347) | 0.00326 (0.00120, 0.00709) |
| Kalimantan Timur | Interpersonal violence                                   | PNN | 0.4 (0.1, 1.1)    | 0.0000111 (0.0000028, 0.0000297) | 0.00279 (0.00095, 0.00649) | 0.3 (0.1, 0.8)    | 0.0000091 (0.0000022, 0.0000229) | 0.00218 (0.00073, 0.00488) |
| Kalimantan Timur | Transport injuries                                       | PNN | 2.3 (0.8, 4.8)    | 0.0000629 (0.0000221, 0.0001315) | 0.01586 (0.00745, 0.02804) | 0.8 (0.2, 1.7)    | 0.000022 (0.0000012, 0.0000210)  | 0.00529 (0.00245, 0.00956) |
| Kalimantan Timur | Other unintentional injuries                             | PNN | 3.0 (1.1, 6.1)    | 0.0000818 (0.0000297, 0.0001691) | 0.02061 (0.00994, 0.03600) | 1.3 (0.4, 2.8)    | 0.0000375 (0.0000130, 0.0000802) | 0.00904 (0.00448, 0.01570) |
| Kalimantan Timur | Diarrheal diseases                                       | 1   | 6.6 (2.2, 14.4)   | 0.0000443 (0.0000144, 0.0000968) | 0.09609 (0.05413, 0.14644) | 7.7 (2.5, 17.6)   | 0.0000543 (0.0000180, 0.0001247) | 0.1331 (0.07882, 0.19424)  |
| Kalimantan Timur | HIV/AIDS                                                 | 1   | 1.2 (0.2, 3.8)    | 0.0000077 (0.0000013, 0.0000254) | 0.01683 (0.00406, 0.04367) | 0.9 (0.2, 3.0)    | 0.0000066 (0.0000012, 0.0000210) | 0.01633 (0.00391, 0.04120) |
| Kalimantan Timur | Lower respiratory infections                             | 1   | 13.2 (4.8, 27.6)  | 0.0000885 (0.0000324, 0.0001852) | 0.19273 (0.13855, 0.24777) | 10.5 (4.1, 21.4)  | 0.0000747 (0.0000291, 0.0001518) | 0.18444 (0.12944, 0.24083) |
| Kalimantan Timur | Malaria                                                  | 1   | 0.1 (0.0, 0.6)    | 0.0000009 (0.0000001, 0.0000039) | 0.00201 (0.00021, 0.00774) | 0.1 (0.0, 0.5)    | 0.0000008 (0.0000001, 0.0000032) | 0.00204 (0.00023, 0.00802) |
| Kalimantan Timur | Tuberculosis                                             | 1   | 1.2 (0.3, 2.9)    | 0.0000079 (0.0000021, 0.0000192) | 0.01702 (0.00779, 0.03060) | 1.0 (0.3, 2.4)    | 0.0000071 (0.0000019, 0.0000170) | 0.01752 (0.00773, 0.03211) |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.4 (0.1, 1.0)    | 0.0000024 (0.0000005, 0.0000065) | 0.00519 (0.00168, 0.01242) | 0.3 (0.1, 0.8)    | 0.000002 (0.0000004, 0.0000056)  | 0.00497 (0.00154, 0.01149) |
| Kalimantan Timur | Preterm birth complications                              | 1   | 0.4 (0.0, 1.4)    | 0.0000026 (0.0000003, 0.0000094) | 0.00554 (0.00099, 0.01789) | 0.5 (0.1, 1.8)    | 0.0000033 (0.0000004, 0.0000131) | 0.008 (0.00152, 0.02496)   |
| Kalimantan Timur | Other neonatal disorders                                 | 1   | 0.3 (0.0, 2.0)    | 0.0000018 (0.0000000, 0.0000134) | 0.00393 (0.00003, 0.03027) | 0.2 (0.0, 1.6)    | 0.0000015 (0.0000000, 0.0000112) | 0.00368 (0.00003, 0.02802) |
| Kalimantan Timur | Other communicable diseases                              | 1   | 21.5 (8.1, 45.4)  | 0.0001439 (0.0000545, 0.0003041) | 0.31215 (0.24949, 0.37982) | 17.3 (6.8, 36.0)  | 0.000123 (0.0000485, 0.0002551)  | 0.30405 (0.24196, 0.37506) |
| Kalimantan Timur | Other malignant neoplasms                                | 1   | 0.6 (0.2, 1.5)    | 0.0000043 (0.0000013, 0.0000104) | 0.00927 (0.00488, 0.01562) | 0.7 (0.2, 1.7)    | 0.0000048 (0.0000015, 0.0000117) | 0.01175 (0.00625, 0.02026) |
| Kalimantan Timur | Cerebrovascular disease                                  | 1   | 0.2 (0.0, 0.6)    | 0.0000012 (0.0000002, 0.0000037) | 0.00269 (0.00083, 0.00660) | 0.2 (0.1, 0.7)    | 0.0000017 (0.0000004, 0.0000050) | 0.00424 (0.00133, 0.01006) |
| Kalimantan Timur | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.5)    | 0.0000007 (0.0000000, 0.0000033) | 0.00163 (0.00013, 0.00748) | 0.1 (0.0, 0.7)    | 0.000001 (0.0000001, 0.0000047)  | 0.00241 (0.00020, 0.01143) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)    | 0.0000013 (0.0000002, 0.0000037) | 0.0028 (0.00082, 0.00664)  | 0.2 (0.0, 0.7)    | 0.0000016 (0.0000003, 0.0000048) | 0.00403 (0.00122, 0.00990) |
| Kalimantan Timur | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.5)    | 0.0000004 (0.0000000, 0.0000033) | 0.00084 (0.00000, 0.00665) | 0.1 (0.0, 0.8)    | 0.0000007 (0.0000000, 0.0000057) | 0.0017 (0.00001, 0.01285)  |
| Kalimantan Timur | Chronic kidney disease                                   | 1   | 0.6 (0.1, 1.5)    | 0.0000038 (0.0000010, 0.0000101) | 0.00824 (0.00355, 0.01612) | 0.7 (0.2, 1.6)    | 0.0000046 (0.0000013, 0.0000116) | 0.01141 (0.00529, 0.02169) |
| Kalimantan Timur | Cirrhosis                                                | 1   | 0.7 (0.2, 2.0)    | 0.0000049 (0.0000012, 0.0000131) | 0.01076 (0.00413, 0.02160) | 0.4 (0.1, 1.1)    | 0.0000029 (0.0000007, 0.0000075) | 0.00703 (0.00269, 0.01410) |
| Kalimantan Timur | Chronic respiratory diseases                             | 1   | 1.2 (0.3, 3.0)    | 0.0000079 (0.0000021, 0.0000200) | 0.01721 (0.00695, 0.03318) | 0.5 (0.1, 1.5)    | 0.0000039 (0.0000010, 0.0000104) | 0.0095 (0.00349, 0.01958)  |
| Kalimantan Timur | Other non-communicable diseases                          | 1   | 9.8 (3.6, 20.5)   | 0.0000659 (0.0000243, 0.0001375) | 0.14348 (0.11051, 0.18074) | 11.7 (4.5, 23.8)  | 0.0000083 (0.0000322, 0.0001685) | 0.20454 (0.16653, 0.24558) |
| Kalimantan Timur | Drowning                                                 | 1   | 2.6 (0.7, 6.7)    | 0.0000174 (0.0000048, 0.0000447) | 0.0377 (0.01611, 0.07091)  | 0.8 (0.2, 2.1)    | 0.0000058 (0.0000015, 0.0000149) | 0.01426 (0.00573, 0.02895) |
| Kalimantan Timur | Falls                                                    | 1   | 1.2 (0.3, 3.2)    | 0.0000081 (0.0000022, 0.0000217) | 0.01759 (0.00711, 0.03562) | 0.5 (0.1, 1.3)    | 0.0000037 (0.0000009, 0.0000095) | 0.00914 (0.00344, 0.01886) |
| Kalimantan Timur | Interpersonal violence                                   | 1   | 0.4 (0.1, 1.1)    | 0.0000025 (0.0000006, 0.0000073) | 0.00551 (0.00194, 0.01219) | 0.3 (0.1, 0.8)    | 0.000002 (0.0000005, 0.0000056)  | 0.00503 (0.00167, 0.01074) |
| Kalimantan Timur | Transport injuries                                       | 1   | 3.3 (1.0, 7.4)    | 0.0000222 (0.0000069, 0.0000497) | 0.04834 (0.02556, 0.07877) | 1.1 (0.4, 2.6)    | 0.0000077 (0.0000027, 0.0000182) | 0.01901 (0.00941, 0.03292) |
| Kalimantan Timur | Other unintentional injuries                             | 1   | 2.9 (0.9, 6.9)    | 0.0000195 (0.0000061, 0.0000464) | 0.04245 (0.02176, 0.07103) | 1.2 (0.4, 2.9)    | 0.0000088 (0.0000028, 0.0000206) | 0.02181 (0.01095, 0.03796) |
| Kalimantan Timur | Diarrheal diseases                                       | 5   | 7.8 (4.2, 12.1)   | 0.0000458 (0.0000245, 0.0000715) | 0.05925 (0.03357, 0.09223) | 8.0 (4.6, 12.0)   | 0.0000496 (0.0000286, 0.0000751) | 0.08814 (0.05170, 0.13290) |
| Kalimantan Timur | HIV/AIDS                                                 | 5   | 1.0 (0.2, 2.9)    | 0.0000058 (0.0000010, 0.0000168) | 0.00756 (0.00131, 0.02261) | 0.7 (0.1, 2.0)    | 0.0000044 (0.0000008, 0.0000125) | 0.00778 (0.00134, 0.02255) |
| Kalimantan Timur | Lower respiratory infections                             | 5   | 10.7 (6.5, 15.5)  | 0.0000632 (0.0000384, 0.0000912) | 0.0818 (0.05132, 0.11608)  | 7.6 (4.6, 10.7)   | 0.0000472 (0.0000290, 0.0000669) | 0.0838 (0.05165, 0.11986)  |
| Kalimantan Timur | Malaria                                                  | 5   | 0.2 (0.0, 0.6)    | 0.000001 (0.0000001, 0.0000037)  | 0.00125 (0.00012, 0.00475) | 0.1 (0.0, 0.4)    | 0.0000008 (0.0000001, 0.0000028) | 0.00136 (0.00015, 0.00525) |
| Kalimantan Timur | Tuberculosis                                             | 5   | 1.4 (0.6, 2.6)    | 0.0000081 (0.0000034, 0.0000153) | 0.01043 (0.00439, 0.01910) | 1.0 (0.4, 2.0)    | 0.0000065 (0.0000027, 0.0000123) | 0.01147 (0.00468, 0.02179) |
| Kalimantan Timur | Other communicable diseases                              | 5   | 25.0 (18.2, 33.5) | 0.0001472 (0.0001072, 0.0001970) | 0.19038 (0.14344, 0.24438) | 18.0 (13.0, 23.4) | 0.0001121 (0.0000812, 0.0001461) | 0.19884 (0.14660, 0.25659) |
| Kalimantan Timur | Other malignant neoplasms                                | 5   | 7.0 (4.1, 11.0)   | 0.0000415 (0.0000239, 0.0000646) | 0.05371 (0.03208, 0.08155) | 6.6 (4.2, 10.1)   | 0.0000414 (0.0000260, 0.0000628) | 0.07356 (0.04597, 0.10958) |
| Kalimantan Timur | Cerebrovascular disease                                  | 5   | 1.3 (0.6, 2.6)    | 0.0000079 (0.0000037, 0.0000154) | 0.01023 (0.00488, 0.01993) | 1.6 (0.8, 2.7)    | 0.0000098 (0.0000049, 0.0000171) | 0.01737 (0.00906, 0.03030) |
| Kalimantan Timur | Ischemic heart disease                                   | 5   | 0.9 (0.3, 2.0)    | 0.0000055 (0.0000020, 0.0000116) | 0.00711 (0.00265, 0.01484) | 1.0 (0.4, 2.0)    | 0.0000063 (0.0000025, 0.0000126) | 0.01118 (0.00446, 0.02216) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 5   | 1.6 (0.6, 3.5)    | 0.0000093 (0.0000036, 0.0000204) | 0.01205 (0.00472, 0.02618) | 1.7 (0.7, 3.3)    | 0.0000104 (0.0000042, 0.0000209) | 0.01852 (0.00798, 0.03681) |
| Kalimantan Timur | Diabetes mellitus                                        | 5   | 1.3 (0.5, 2.8)    | 0.0000076 (0.0000029, 0.0000167) | 0.00977 (0.00380, 0.02110) | 2.0 (0.8, 4.2)    | 0.0000122 (0.0000050, 0.0000261) | 0.02161 (0.00912, 0.04648) |
| Kalimantan Timur | Chronic kidney disease                                   | 5   | 2.2 (0.9, 4.2)    | 0.0000129 (0.0000056, 0.0000245) | 0.01673 (0.00749, 0.03151) | 2.3 (1.1, 4.1)    | 0.0000141 (0.0000068, 0.0000254) | 0.02508 (0.01195, 0.04452) |
| Kalimantan Timur | Cirrhosis                                                | 5   | 3.6 (1.8, 6.4)    | 0.0000215 (0.0000104, 0.0000376) | 0.02777 (0.01356, 0.04713) | 1.8 (0.9, 3.2)    | 0.0000112 (0.0000053, 0.0000199) | 0.01993 (0.00956, 0.03485) |
| Kalimantan Timur | Chronic respiratory diseases                             | 5   | 1.7 (0.7, 3.5)    | 0.0000103 (0.0000044, 0.0000205) | 0.01333 (0.00563, 0.02580) | 0.7 (0.3, 1.5)    | 0.0000044 (0.0000018, 0.0000091) | 0.00788 (0.00317, 0.01620) |
| Kalimantan Timur | Other non-communicable diseases                          | 5   | 15.6 (11.3, 21.0) | 0.0000921 (0.0000668, 0.0001239) | 0.11922 (0.08845, 0.15662) | 16.7 (12.6, 21.5) | 0.0001042 (0.0000786, 0.0001340) | 0.18496 (0.14260, 0.23175) |
| Kalimantan Timur | Drowning                                                 | 5   | 18.0 (9.8, 27.6)  | 0.0001059 (0.0000574, 0.0001623) | 0.13702 (0.07453, 0.20955) | 6.8 (3.4, 11.2)   | 0.0000426 (0.0000213, 0.0000699) | 0.07552 (0.03878, 0.12607) |
| Kalimantan Timur | Falls                                                    | 5   | 4.3 (1.7, 8.8)    | 0.0000251 (0.0000097, 0.0000520) | 0.03245 (0.01279, 0.06676) | 2.1 (0.8, 4.2)    | 0.000013 (0.0000049, 0.0000260)  | 0.02317 (0.00887, 0.04695) |
| Kalimantan Timur | Interpersonal violence                                   | 5   | 0.6 (0.2, 1.5)    | 0.0000036 (0.0000011, 0.0000090) | 0.00462 (0.00143, 0.01132) | 0.5 (0.2, 1.2)    | 0.0000032 (0.0000011, 0.0000075) | 0.00577 (0.00188, 0.01303) |
| Kalimantan Timur | Transport injuries                                       | 5   | 21.6 (12.9, 31.0) | 0.000127 (0.0000761, 0.0001825)  | 0.16431 (0.09979, 0.23241) | 8.6 (4.7, 13.2)   | 0.0000535 (0.0000294, 0.0000822) | 0.095 (0.05281, 0.14271)   |
| Kalimantan Timur | Other unintentional injuries                             | 5   | 5.4 (2.5, 9.9)    | 0.0000317 (0.0000147, 0.0000583) | 0.04101 (0.01969, 0.07384) | 2.6 (1.2, 4.9)    | 0.0000164 (0.0000077, 0.0000306) | 0.02907 (0.01384, 0.05263) |
| Kalimantan Timur | Diarrheal diseases                                       | 10  | 3.4 (1.8, 5.8)    | 0.0000229 (0.0000118, 0.0000387) | 0.02739 (0.01441, 0.04667) | 3.3 (1.8, 5.6)    | 0.0000232 (0.0000123, 0.0000391) | 0.04021 (0.02162, 0.06734) |
| Kalimantan Timur | HIV/AIDS                                                 | 10  | 1.0 (0.2, 2.6)    | 0.0000068 (0.0000015, 0.0000174) | 0.00813 (0.00182, 0.02095) | 0.7 (0.2, 1.8)    | 0.0000048 (0.0000011, 0.0000125) | 0.00829 (0.00183, 0.02153) |
| Kalimantan Timur | Lower respiratory infections                             | 10  | 7.2 (4.0, 11.0)   | 0.0000477 (0.0000268, 0.0000735) | 0.0571 (0.03270, 0.08641)  | 4.7 (2.6, 7.5)    | 0.0000328 (0.0000184, 0.0000525) | 0.05702 (0.03222, 0.08610) |
| Kalimantan Timur | Malaria                                                  | 10  | 0.3 (0.0, 1.1)    | 0.000002 (0.0000002, 0.0000075)  | 0.0024 (0.00028, 0.00928)  | 0.2 (0.0, 0.8)    | 0.0000015 (0.0000002, 0.0000056) | 0.00257 (0.00031, 0.00956) |
| Kalimantan Timur | Tuberculosis                                             | 10  | 3.2 (1.5, 5.4)    | 0.0000215 (0.0000101, 0.0000360) | 0.02569 (0.01238, 0.04245) | 2.3 (1.1, 3.8)    | 0.0000159 (0.0000078, 0.0000266) | 0.02768 (0.01376, 0.04539) |
| Kalimantan Timur | Maternal disorders                                       | 10  |                   |                                  |                            | 0.6 (0.1, 1.6)    | 0.0000042 (0.0000007, 0.0000111) | 0.00726 (0.00130, 0.01931) |
| Kalimantan Timur | Other communicable diseases                              | 10  | 16.8 (11.9, 23.2) | 0.0001122 (0.0000797, 0.0001548) | 0.13417 (0.09738, 0.17647) | 11.2 (7.9, 15.2)  | 0.0000785 (0.0000554, 0.0001068) | 0.13617 (0.09877, 0.17964) |
| Kalimantan Timur | Other malignant neoplasms                                | 10  | 9.6 (6.3, 13.5)   | 0.0000641 (0.0000422, 0.0000898) | 0.07663 (0.05120, 0.10708) | 8.7 (6.0, 12.0)   | 0.0000608 (0.0000420, 0.0000840) | 0.10564 (0.07398, 0.14253) |
| Kalimantan Timur | Cerebrovascular disease                                  | 10  | 2.0 (1.1, 3.3)    | 0.0000134 (0.0000075, 0.0000219) | 0.01602 (0.00908, 0.02638) | 2.2 (1.3, 3.5)    | 0.0000153 (0.0000091, 0.0000242) | 0.02664 (0.01621, 0.04136) |
| Kalimantan Timur | Ischemic heart disease                                   | 10  | 2.1 (1.1, 3.5)    | 0.0000138 (0.0000073, 0.0000231) | 0.01652 (0.00887, 0.02721) | 2.1 (1.2, 3.3)    | 0.0000145 (0.0000083, 0.0000232) | 0.02514 (0.01476, 0.03902) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males               |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 10  | 2.2 (1.1, 4.1)      | 0.0000144 (0.0000072, 0.0000272) | 0.01724 (0.00846, 0.03209) | 2.1 (1.1, 4.0)    | 0.0000151 (0.0000077, 0.0000279) | 0.02616 (0.01347, 0.04795) |
| Kalimantan Timur | Diabetes mellitus                             | 10  | 1.7 (0.9, 2.9)      | 0.0000114 (0.0000057, 0.0000196) | 0.01369 (0.00685, 0.02327) | 2.5 (1.3, 4.2)    | 0.0000173 (0.0000093, 0.0000291) | 0.03007 (0.01645, 0.05032) |
| Kalimantan Timur | Chronic kidney disease                        | 10  | 2.9 (1.5, 4.7)      | 0.0000192 (0.0000101, 0.0000312) | 0.02299 (0.01240, 0.03813) | 2.8 (1.6, 4.3)    | 0.0000197 (0.0000113, 0.0000304) | 0.03416 (0.01895, 0.05265) |
| Kalimantan Timur | Cirrhosis                                     | 10  | 3.9 (2.3, 6.2)      | 0.0000263 (0.0000152, 0.0000415) | 0.03143 (0.01851, 0.04913) | 1.8 (1.0, 2.9)    | 0.0000129 (0.0000073, 0.0000204) | 0.02238 (0.01274, 0.03565) |
| Kalimantan Timur | Chronic respiratory diseases                  | 10  | 3.4 (1.8, 5.7)      | 0.0000228 (0.0000120, 0.0000379) | 0.0273 (0.01464, 0.04428)  | 1.4 (0.7, 2.4)    | 0.0000096 (0.0000049, 0.0000167) | 0.01674 (0.00838, 0.02897) |
| Kalimantan Timur | Other non-communicable diseases               | 10  | 16.7 (12.7, 21.5)   | 0.0001114 (0.0000847, 0.0001435) | 0.13323 (0.10249, 0.16848) | 16.6 (12.9, 20.8) | 0.0001163 (0.0000903, 0.0001460) | 0.20191 (0.16076, 0.24677) |
| Kalimantan Timur | Drowning                                      | 10  | 8.9 (4.2, 15.9)     | 0.0000595 (0.0000277, 0.0001064) | 0.07125 (0.03378, 0.12275) | 2.9 (1.2, 5.7)    | 0.0000205 (0.0000086, 0.0000398) | 0.03571 (0.01499, 0.06930) |
| Kalimantan Timur | Falls                                         | 10  | 3.6 (1.3, 7.3)      | 0.0000239 (0.0000090, 0.0000488) | 0.02861 (0.01086, 0.05783) | 1.6 (0.6, 3.3)    | 0.000011 (0.0000042, 0.0000230)  | 0.01915 (0.00715, 0.03950) |
| Kalimantan Timur | Interpersonal violence                        | 10  | 0.9 (0.4, 1.8)      | 0.0000059 (0.0000025, 0.0000121) | 0.00704 (0.00293, 0.01466) | 0.7 (0.3, 1.3)    | 0.0000047 (0.0000020, 0.0000094) | 0.00823 (0.00338, 0.01646) |
| Kalimantan Timur | Self-harm                                     | 10  | 0.7 (0.2, 1.6)      | 0.0000047 (0.0000015, 0.0000106) | 0.00558 (0.00182, 0.01245) | 0.5 (0.1, 1.0)    | 0.0000032 (0.0000010, 0.0000069) | 0.0056 (0.00183, 0.01203)  |
| Kalimantan Timur | Transport injuries                            | 10  | 29.8 (21.5, 38.8)   | 0.0001986 (0.0001433, 0.0002590) | 0.23752 (0.17576, 0.30648) | 11.2 (7.4, 15.9)  | 0.0000787 (0.0000516, 0.0001118) | 0.13668 (0.09012, 0.18922) |
| Kalimantan Timur | Other unintentional injuries                  | 10  | 5.0 (2.5, 8.6)      | 0.0000335 (0.0000168, 0.0000570) | 0.0401 (0.02038, 0.06820)  | 2.2 (1.1, 4.0)    | 0.0000153 (0.0000077, 0.0000279) | 0.02659 (0.01357, 0.04842) |
| Kalimantan Timur | Diarrheal diseases                            | 15  | 2.8 (1.1, 5.1)      | 0.0000197 (0.0000080, 0.0000360) | 0.01156 (0.00496, 0.02058) | 1.4 (0.6, 2.6)    | 0.0000101 (0.0000042, 0.0000194) | 0.01056 (0.00451, 0.01912) |
| Kalimantan Timur | HIV/AIDS                                      | 15  | 1.5 (0.3, 4.2)      | 0.0000108 (0.0000024, 0.0000296) | 0.00634 (0.00145, 0.01761) | 0.6 (0.1, 1.6)    | 0.0000042 (0.0000009, 0.0000123) | 0.00437 (0.00098, 0.01282) |
| Kalimantan Timur | Lower respiratory infections                  | 15  | 5.3 (2.6, 9.4)      | 0.0000375 (0.0000185, 0.0000669) | 0.02195 (0.01085, 0.03780) | 1.7 (0.8, 3.2)    | 0.0000129 (0.0000061, 0.0000242) | 0.01341 (0.00659, 0.02466) |
| Kalimantan Timur | Malaria                                       | 15  | 1.2 (0.2, 4.1)      | 0.0000087 (0.0000012, 0.0000296) | 0.00514 (0.00006, 0.01734) | 0.5 (0.1, 1.6)    | 0.0000035 (0.0000004, 0.0000119) | 0.00363 (0.00042, 0.01256) |
| Kalimantan Timur | Tuberculosis                                  | 15  | 10.2 (5.8, 15.4)    | 0.000073 (0.0000416, 0.0001098)  | 0.04281 (0.02581, 0.06253) | 3.7 (2.2, 5.7)    | 0.0000278 (0.0000161, 0.0000427) | 0.02902 (0.01698, 0.04368) |
| Kalimantan Timur | Maternal disorders                            | 15  |                     |                                  |                            | 8.2 (5.1, 12.1)   | 0.0000615 (0.0000377, 0.0000900) | 0.06418 (0.04070, 0.09333) |
| Kalimantan Timur | Other communicable diseases                   | 15  | 15.8 (9.9, 23.1)    | 0.0001126 (0.0000707, 0.0001645) | 0.066 (0.04305, 0.09342)   | 5.2 (3.0, 8.0)    | 0.0000389 (0.0000226, 0.0000596) | 0.04058 (0.02429, 0.06054) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 15  | 2.7 (0.8, 6.3)      | 0.0000195 (0.0000059, 0.0000451) | 0.01143 (0.00342, 0.02557) | 0.8 (0.2, 1.9)    | 0.0000059 (0.0000015, 0.0000144) | 0.00619 (0.00163, 0.01495) |
| Kalimantan Timur | Breast cancer                                 | 15  | 0.1 (0.0, 0.4)      | 0.0000007 (0.0000001, 0.0000030) | 0.00042 (0.00004, 0.00174) | 1.8 (0.5, 4.4)    | 0.0000134 (0.0000036, 0.0000327) | 0.01395 (0.00390, 0.03361) |
| Kalimantan Timur | Cervical cancer                               | 15  |                     |                                  |                            | 1.9 (0.5, 4.6)    | 0.0000142 (0.0000039, 0.0000341) | 0.01486 (0.00413, 0.03680) |
| Kalimantan Timur | Other malignant neoplasms                     | 15  | 17.5 (11.5, 24.8)   | 0.000125 (0.0000819, 0.0001772)  | 0.07323 (0.05098, 0.10141) | 13.1 (8.7, 18.6)  | 0.0000981 (0.0000651, 0.0001389) | 0.10244 (0.06963, 0.14172) |
| Kalimantan Timur | Cerebrovascular disease                       | 15  | 4.8 (2.8, 7.8)      | 0.0000345 (0.0000201, 0.0000559) | 0.02024 (0.01212, 0.03174) | 4.0 (2.2, 6.4)    | 0.0000298 (0.0000167, 0.0000475) | 0.03106 (0.01815, 0.04855) |
| Kalimantan Timur | Ischemic heart disease                        | 15  | 8.8 (5.4, 13.0)     | 0.0000629 (0.0000385, 0.0000924) | 0.03683 (0.02349, 0.05361) | 6.0 (3.8, 8.9)    | 0.0000444 (0.0000282, 0.0000668) | 0.04639 (0.03002, 0.06816) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 15  | 4.7 (2.4, 8.4)      | 0.0000336 (0.0000169, 0.0000598) | 0.01969 (0.01042, 0.03415) | 3.9 (1.8, 7.3)    | 0.0000293 (0.0000134, 0.0000543) | 0.03053 (0.01466, 0.05434) |
| Kalimantan Timur | Diabetes mellitus                             | 15  | 4.0 (2.0, 7.1)      | 0.0000285 (0.0000145, 0.0000507) | 0.0167 (0.00868, 0.02893)  | 4.8 (2.5, 8.4)    | 0.000036 (0.0000189, 0.0000623)  | 0.03755 (0.01990, 0.06404) |
| Kalimantan Timur | Chronic kidney disease                        | 15  | 6.4 (3.5, 10.1)     | 0.0000455 (0.0000252, 0.0000724) | 0.02668 (0.01511, 0.04324) | 5.3 (3.1, 8.7)    | 0.0000395 (0.0000228, 0.0000650) | 0.0412 (0.02361, 0.06579)  |
| Kalimantan Timur | Cirrhosis                                     | 15  | 6.4 (3.7, 10.0)     | 0.0000457 (0.0000267, 0.0000715) | 0.02679 (0.01620, 0.04064) | 2.5 (1.3, 4.1)    | 0.0000183 (0.0000101, 0.0000306) | 0.01912 (0.01111, 0.03123) |
| Kalimantan Timur | Chronic respiratory diseases                  | 15  | 4.9 (2.7, 8.3)      | 0.0000351 (0.0000189, 0.0000591) | 0.02054 (0.01125, 0.03274) | 2.0 (1.0, 3.4)    | 0.0000151 (0.0000077, 0.0000254) | 0.01577 (0.00802, 0.02607) |
| Kalimantan Timur | Other non-communicable diseases               | 15  | 26.8 (19.2, 34.8)   | 0.0001913 (0.0001366, 0.0002480) | 0.11217 (0.08480, 0.14274) | 21.0 (15.2, 28.3) | 0.000157 (0.0001137, 0.0002113)  | 0.16378 (0.12469, 0.20660) |
| Kalimantan Timur | Drowning                                      | 15  | 4.6 (1.9, 9.2)      | 0.0000327 (0.0000137, 0.0000653) | 0.01918 (0.00837, 0.03858) | 1.1 (0.4, 2.4)    | 0.0000081 (0.0000030, 0.0000180) | 0.00844 (0.00313, 0.01889) |
| Kalimantan Timur | Falls                                         | 15  | 3.5 (1.5, 7.4)      | 0.0000252 (0.0000107, 0.0000531) | 0.01477 (0.00640, 0.03064) | 1.2 (0.4, 2.7)    | 0.0000089 (0.0000033, 0.0000199) | 0.00923 (0.00354, 0.02076) |
| Kalimantan Timur | Interpersonal violence                        | 15  | 2.9 (1.4, 5.2)      | 0.0000206 (0.0000097, 0.0000370) | 0.01211 (0.00583, 0.02167) | 1.9 (0.8, 3.6)    | 0.000014 (0.0000060, 0.0000268)  | 0.01458 (0.00643, 0.02752) |
| Kalimantan Timur | Self-harm                                     | 15  | 2.1 (0.9, 4.1)      | 0.0000148 (0.0000062, 0.0000291) | 0.00868 (0.00382, 0.01728) | 1.2 (0.5, 2.4)    | 0.0000087 (0.0000034, 0.0000182) | 0.00908 (0.00361, 0.01931) |
| Kalimantan Timur | Transport injuries                            | 15  | 92.8 (73.3, 111.7)  | 0.0006619 (0.0005225, 0.0007966) | 0.38803 (0.33113, 0.43951) | 31.5 (22.8, 41.2) | 0.0002348 (0.0001704, 0.0003073) | 0.24493 (0.19156, 0.30102) |
| Kalimantan Timur | Other unintentional injuries                  | 15  | 9.2 (5.0, 15.2)     | 0.0000659 (0.0000358, 0.0001087) | 0.0387 (0.02114, 0.06425)  | 3.2 (1.6, 6.0)    | 0.0000241 (0.0000117, 0.0000446) | 0.02514 (0.01276, 0.04487) |
| Kalimantan Timur | Diarrheal diseases                            | 20  | 3.6 (1.6, 6.8)      | 0.0000238 (0.0000102, 0.0000443) | 0.00994 (0.00436, 0.01785) | 1.7 (0.7, 3.0)    | 0.0000113 (0.0000049, 0.0000208) | 0.00896 (0.00395, 0.01607) |
| Kalimantan Timur | HIV/AIDS                                      | 20  | 7.5 (2.1, 17.5)     | 0.000049 (0.0000141, 0.0001142)  | 0.02046 (0.00598, 0.04832) | 2.3 (0.7, 5.6)    | 0.0000157 (0.0000045, 0.0000380) | 0.01246 (0.00369, 0.03026) |
| Kalimantan Timur | Lower respiratory infections                  | 20  | 7.3 (3.3, 13.2)     | 0.0000476 (0.0000219, 0.0000864) | 0.01988 (0.00942, 0.03539) | 1.9 (0.8, 3.6)    | 0.0000131 (0.0000059, 0.0000249) | 0.01043 (0.00313, 0.01951) |
| Kalimantan Timur | Malaria                                       | 20  | 2.1 (0.3, 7.2)      | 0.0000136 (0.0000017, 0.0000470) | 0.00569 (0.00073, 0.01917) | 0.7 (0.1, 2.3)    | 0.0000045 (0.0000005, 0.0000154) | 0.00358 (0.00042, 0.01179) |
| Kalimantan Timur | Tuberculosis                                  | 20  | 30.1 (18.6, 43.4)   | 0.0001971 (0.0001220, 0.0002842) | 0.08241 (0.05327, 0.11511) | 7.7 (4.4, 12.2)   | 0.0000526 (0.0000301, 0.0000830) | 0.04189 (0.02437, 0.06317) |
| Kalimantan Timur | Maternal disorders                            | 20  |                     |                                  |                            | 17.2 (11.7, 23.9) | 0.0001174 (0.0000796, 0.0001629) | 0.09351 (0.06551, 0.12485) |
| Kalimantan Timur | Other communicable diseases                   | 20  | 26.8 (17.1, 39.0)   | 0.0001751 (0.0001117, 0.0002554) | 0.07313 (0.04934, 0.10275) | 8.4 (5.2, 12.9)   | 0.0000573 (0.0000353, 0.0000877) | 0.04557 (0.02811, 0.06678) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 20  | 3.1 (1.0, 7.3)      | 0.0000204 (0.0000065, 0.0000475) | 0.0085 (0.00275, 0.01998)  | 1.6 (0.5, 3.6)    | 0.0000107 (0.0000034, 0.0000243) | 0.00849 (0.00271, 0.01940) |
| Kalimantan Timur | Breast cancer                                 | 20  | 0.2 (0.0, 0.7)      | 0.0000015 (0.0000003, 0.0000047) | 0.00063 (0.00012, 0.00206) | 6.3 (2.8, 11.7)   | 0.0000432 (0.0000194, 0.0000799) | 0.03437 (0.01657, 0.06130) |
| Kalimantan Timur | Cervical cancer                               | 20  |                     |                                  |                            | 5.2 (2.0, 10.6)   | 0.0000352 (0.0000138, 0.0000724) | 0.02804 (0.01116, 0.05665) |
| Kalimantan Timur | Other malignant neoplasms                     | 20  | 24.1 (15.8, 34.2)   | 0.0001579 (0.0001033, 0.0002347) | 0.06601 (0.04545, 0.09171) | 17.5 (10.7, 25.9) | 0.0001195 (0.0000730, 0.0001763) | 0.09512 (0.06189, 0.13105) |
| Kalimantan Timur | Cerebrovascular disease                       | 20  | 12.1 (7.7, 17.8)    | 0.000079 (0.0000505, 0.0001165)  | 0.03301 (0.02266, 0.04671) | 8.2 (5.4, 11.7)   | 0.0000558 (0.0000369, 0.0000795) | 0.04447 (0.03413, 0.06090) |
| Kalimantan Timur | Ischemic heart disease                        | 20  | 20.7 (13.8, 29.2)   | 0.0001354 (0.0000903, 0.0001911) | 0.05661 (0.03958, 0.07651) | 9.1 (6.0, 13.0)   | 0.0000622 (0.0000408, 0.0000886) | 0.0495 (0.03351, 0.06888)  |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 20  | 9.6 (5.6, 15.6)     | 0.0000629 (0.0000369, 0.0001020) | 0.0263 (0.01570, 0.04053)  | 7.2 (4.2, 11.4)   | 0.0000488 (0.0000286, 0.0000779) | 0.03885 (0.02337, 0.05866) |
| Kalimantan Timur | Diabetes mellitus                             | 20  | 5.3 (3.0, 8.9)      | 0.0000349 (0.0000196, 0.0000580) | 0.01461 (0.00841, 0.02323) | 5.7 (3.2, 9.4)    | 0.0000389 (0.0000220, 0.0000641) | 0.03093 (0.01818, 0.04895) |
| Kalimantan Timur | Chronic kidney disease                        | 20  | 13.8 (8.0, 21.6)    | 0.00009 (0.0000526, 0.0001415)   | 0.03766 (0.02300, 0.05665) | 9.8 (6.1, 15.2)   | 0.0000668 (0.0000414, 0.0001034) | 0.05316 (0.03318, 0.07919) |
| Kalimantan Timur | Cirrhosis                                     | 20  | 14.1 (8.3, 21.1)    | 0.0000924 (0.0000545, 0.0001381) | 0.03861 (0.02491, 0.05546) | 5.0 (2.9, 7.9)    | 0.0000342 (0.0000201, 0.0000539) | 0.02728 (0.01672, 0.04228) |
| Kalimantan Timur | Chronic respiratory diseases                  | 20  | 15.5 (9.1, 24.2)    | 0.0001012 (0.0000598, 0.0001581) | 0.04228 (0.02581, 0.06485) | 6.5 (3.8, 10.3)   | 0.0000443 (0.0000258, 0.0000702) | 0.03528 (0.02052, 0.05596) |
| Kalimantan Timur | Other non-communicable diseases               | 20  | 34.2 (24.1, 45.9)   | 0.000224 (0.0001578, 0.0003000)  | 0.09358 (0.07136, 0.12079) | 23.2 (16.5, 31.7) | 0.0001584 (0.0001125, 0.0002159) | 0.12615 (0.09664, 0.15965) |
| Kalimantan Timur | Drowning                                      | 20  | 4.4 (1.7, 9.4)      | 0.0000291 (0.0000111, 0.0000613) | 0.01217 (0.00470, 0.02608) | 1.0 (0.4, 2.3)    | 0.0000069 (0.0000025, 0.0000159) | 0.00554 (0.00190, 0.01263) |
| Kalimantan Timur | Falls                                         | 20  | 4.7 (2.0, 9.9)      | 0.0000306 (0.0000129, 0.0000646) | 0.0128 (0.00573, 0.02627)  | 1.4 (0.6, 3.2)    | 0.0000099 (0.0000039, 0.0000221) | 0.00787 (0.00309, 0.01731) |
| Kalimantan Timur | Interpersonal violence                        | 20  | 4.7 (2.2, 8.3)      | 0.0000305 (0.0000145, 0.0000540) | 0.01275 (0.00643, 0.02248) | 2.3 (1.1, 4.4)    | 0.000016 (0.0000073, 0.0000302)  | 0.01277 (0.00599, 0.02349) |
| Kalimantan Timur | Self-harm                                     | 20  | 2.9 (1.2, 5.6)      | 0.0000187 (0.0000079, 0.0000369) | 0.00785 (0.00343, 0.01466) | 1.2 (0.5, 2.5)    | 0.0000084 (0.0000033, 0.0000171) | 0.00666 (0.00271, 0.01368) |
| Kalimantan Timur | Transport injuries                            | 20  | 105.0 (79.2, 132.0) | 0.0006869 (0.0005183, 0.0008636) | 0.28715 (0.23031, 0.34315) | 28.9 (19.9, 40.4) | 0.0001972 (0.0001358, 0.0002756) | 0.15694 (0.11432, 0.20559) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males              |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|--------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Other unintentional injuries                  | 20  | 13.9 (7.4, 23.7)   | 0.0000907 (0.0000484, 0.0001547) | 0.03796 (0.02092, 0.06415) | 4.1 (2.0, 7.4)    | 0.0000278 (0.0000135, 0.0000508) | 0.02216 (0.01119, 0.03990) |
| Kalimantan Timur | Diarrheal diseases                            | 25  | 6.2 (2.9, 11.0)    | 0.0000351 (0.0000162, 0.0000627) | 0.01243 (0.00584, 0.02189) | 3.7 (1.7, 6.8)    | 0.0000227 (0.0000104, 0.0000415) | 0.01399 (0.00691, 0.02448) |
| Kalimantan Timur | HIV/AIDS                                      | 25  | 16.4 (5.3, 35.5)   | 0.0000932 (0.0000302, 0.0002019) | 0.03298 (0.01074, 0.06993) | 6.5 (2.0, 14.4)   | 0.0000398 (0.0000122, 0.0000879) | 0.02442 (0.00781, 0.05158) |
| Kalimantan Timur | Lower respiratory infections                  | 25  | 9.0 (4.2, 16.9)    | 0.0000514 (0.0000236, 0.0000959) | 0.01821 (0.00845, 0.03271) | 3.1 (1.3, 6.1)    | 0.0000189 (0.0000080, 0.0000371) | 0.01166 (0.00532, 0.02246) |
| Kalimantan Timur | Malaria                                       | 25  | 2.7 (0.3, 8.8)     | 0.0000151 (0.0000019, 0.0000501) | 0.00539 (0.00071, 0.01740) | 1.1 (0.1, 3.6)    | 0.0000065 (0.0000008, 0.0000220) | 0.004 (0.00049, 0.01270)   |
| Kalimantan Timur | Tuberculosis                                  | 25  | 50.4 (31.8, 72.7)  | 0.0002869 (0.0001808, 0.0004133) | 0.10178 (0.06598, 0.14093) | 15.5 (8.9, 23.8)  | 0.0000947 (0.0000544, 0.0001458) | 0.05838 (0.03429, 0.08536) |
| Kalimantan Timur | Maternal disorders                            | 25  |                    |                                  |                            | 17.5 (11.5, 25.0) | 0.0001071 (0.0000704, 0.0001528) | 0.06601 (0.04581, 0.09070) |
| Kalimantan Timur | Other communicable diseases                   | 25  | 33.6 (20.9, 50.0)  | 0.0001913 (0.0001188, 0.0002845) | 0.06784 (0.04451, 0.09513) | 14.2 (8.9, 21.4)  | 0.0000872 (0.0000546, 0.0001308) | 0.05374 (0.03517, 0.07512) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 25  | 3.8 (1.1, 9.3)     | 0.0000219 (0.0000060, 0.0000529) | 0.00775 (0.00219, 0.01856) | 2.5 (0.8, 5.6)    | 0.0000154 (0.0000052, 0.0000342) | 0.00947 (0.00338, 0.02054) |
| Kalimantan Timur | Breast cancer                                 | 25  | 0.3 (0.1, 0.8)     | 0.0000015 (0.0000004, 0.0000044) | 0.00053 (0.00013, 0.00157) | 15.3 (8.2, 25.1)  | 0.0000938 (0.0000500, 0.0001538) | 0.05776 (0.03221, 0.09003) |
| Kalimantan Timur | Cervical cancer                               | 25  |                    |                                  |                            | 9.6 (4.3, 17.6)   | 0.0000059 (0.0000262, 0.0001077) | 0.03635 (0.01708, 0.06528) |
| Kalimantan Timur | Other malignant neoplasms                     | 25  | 37.3 (24.9, 52.5)  | 0.0002122 (0.0001415, 0.0002984) | 0.07522 (0.05366, 0.09905) | 23.1 (13.8, 35.3) | 0.0001412 (0.0000846, 0.0002159) | 0.08693 (0.05668, 0.12336) |
| Kalimantan Timur | Cerebrovascular disease                       | 25  | 25.1 (17.7, 34.9)  | 0.000143 (0.0001004, 0.0001985)  | 0.05075 (0.03751, 0.06736) | 16.6 (11.3, 22.9) | 0.0001014 (0.0000694, 0.0001399) | 0.06255 (0.04694, 0.08144) |
| Kalimantan Timur | Ischemic heart disease                        | 25  | 46.6 (34.0, 63.0)  | 0.0002653 (0.0001935, 0.0003581) | 0.09406 (0.07233, 0.11922) | 18.3 (12.5, 25.6) | 0.000112 (0.0000766, 0.0001564)  | 0.06902 (0.05129, 0.08991) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 25  | 14.8 (9.1, 23.3)   | 0.0000839 (0.0000520, 0.0001322) | 0.02978 (0.01897, 0.04456) | 11.0 (6.6, 17.2)  | 0.0000671 (0.0000405, 0.0001054) | 0.04133 (0.02643, 0.06164) |
| Kalimantan Timur | Diabetes mellitus                             | 25  | 10.8 (6.7, 16.2)   | 0.0000615 (0.0000383, 0.0000921) | 0.02182 (0.01438, 0.03126) | 11.0 (6.8, 16.9)  | 0.0000672 (0.0000416, 0.0001032) | 0.04132 (0.02746, 0.05792) |
| Kalimantan Timur | Chronic kidney disease                        | 25  | 18.9 (11.4, 29.0)  | 0.0001076 (0.0000647, 0.0001650) | 0.0382 (0.02417, 0.05639)  | 12.7 (8.0, 19.5)  | 0.0000777 (0.0000488, 0.0001195) | 0.04788 (0.03112, 0.06989) |
| Kalimantan Timur | Cirrhosis                                     | 25  | 23.4 (14.9, 34.6)  | 0.000133 (0.0000849, 0.0001970)  | 0.04715 (0.03193, 0.06443) | 8.2 (5.0, 12.4)   | 0.0000503 (0.0000305, 0.0000761) | 0.03102 (0.02009, 0.04480) |
| Kalimantan Timur | Chronic respiratory diseases                  | 25  | 22.4 (13.2, 34.6)  | 0.0001274 (0.0000749, 0.0001965) | 0.04517 (0.02833, 0.06702) | 9.5 (5.6, 15.3)   | 0.0000581 (0.0000345, 0.0000934) | 0.0358 (0.02180, 0.05472)  |
| Kalimantan Timur | Other non-communicable diseases               | 25  | 46.3 (33.6, 62.4)  | 0.0002635 (0.0001911, 0.0003551) | 0.09339 (0.07174, 0.11728) | 31.0 (22.2, 42.4) | 0.0001897 (0.0001357, 0.0002595) | 0.1169 (0.09165, 0.14692)  |
| Kalimantan Timur | Drowning                                      | 25  | 3.4 (1.2, 7.4)     | 0.0000192 (0.0000066, 0.0000419) | 0.00681 (0.00239, 0.01494) | 0.8 (0.3, 1.9)    | 0.000005 (0.0000017, 0.0000116)  | 0.00309 (0.00115, 0.00711) |
| Kalimantan Timur | Falls                                         | 25  | 7.8 (3.3, 16.5)    | 0.0000446 (0.0000186, 0.0000936) | 0.01581 (0.00685, 0.03277) | 2.5 (1.0, 5.6)    | 0.0000153 (0.0000060, 0.0000340) | 0.00941 (0.00376, 0.01933) |
| Kalimantan Timur | Interpersonal violence                        | 25  | 5.7 (2.8, 9.8)     | 0.0000324 (0.0000160, 0.0000560) | 0.01151 (0.00587, 0.02009) | 2.7 (1.2, 4.9)    | 0.0000163 (0.0000076, 0.0000302) | 0.01007 (0.00489, 0.01826) |
| Kalimantan Timur | Self-harm                                     | 25  | 3.3 (1.3, 6.4)     | 0.0000186 (0.0000075, 0.0000363) | 0.00659 (0.00271, 0.01256) | 1.3 (0.5, 2.7)    | 0.0000078 (0.0000030, 0.0000163) | 0.0048 (0.00192, 0.00955)  |
| Kalimantan Timur | Transport injuries                            | 25  | 87.7 (60.9, 117.7) | 0.0004989 (0.0003465, 0.0006694) | 0.17698 (0.12977, 0.22376) | 22.0 (13.6, 32.7) | 0.0001345 (0.0000830, 0.0002003) | 0.08283 (0.05487, 0.11442) |
| Kalimantan Timur | Other unintentional injuries                  | 25  | 19.7 (10.2, 33.6)  | 0.0001123 (0.0000577, 0.0001913) | 0.03986 (0.02184, 0.06619) | 5.6 (2.7, 9.9)    | 0.0000345 (0.0000165, 0.0000606) | 0.02127 (0.01073, 0.03714) |
| Kalimantan Timur | Diarrheal diseases                            | 30  | 6.8 (3.0, 12.2)    | 0.0000416 (0.0000183, 0.0000742) | 0.01276 (0.00618, 0.02147) | 4.2 (2.0, 7.4)    | 0.0000286 (0.0000137, 0.0000509) | 0.01366 (0.00672, 0.02251) |
| Kalimantan Timur | HIV/AIDS                                      | 30  | 15.9 (5.6, 35.3)   | 0.0000972 (0.0000339, 0.0002155) | 0.02978 (0.01024, 0.06242) | 6.7 (2.2, 14.9)   | 0.0000464 (0.0000150, 0.0001026) | 0.0221 (0.00720, 0.04669)  |
| Kalimantan Timur | Lower respiratory infections                  | 30  | 7.8 (3.5, 14.5)    | 0.0000476 (0.0000215, 0.0000886) | 0.01461 (0.00691, 0.02704) | 2.9 (1.2, 5.6)    | 0.00002 (0.0000085, 0.0000386)   | 0.00957 (0.00437, 0.01828) |
| Kalimantan Timur | Malaria                                       | 30  | 2.2 (0.3, 7.0)     | 0.0000136 (0.0000019, 0.0000425) | 0.00419 (0.00058, 0.01299) | 0.9 (0.1, 2.8)    | 0.0000061 (0.0000008, 0.0000196) | 0.00292 (0.00039, 0.00868) |
| Kalimantan Timur | Tuberculosis                                  | 30  | 46.6 (29.0, 69.8)  | 0.0002841 (0.0001771, 0.0004255) | 0.08737 (0.05703, 0.12440) | 15.5 (8.8, 24.7)  | 0.0001063 (0.0000609, 0.0001700) | 0.05083 (0.03024, 0.07535) |
| Kalimantan Timur | Maternal disorders                            | 30  |                    |                                  |                            | 16.1 (10.3, 23.4) | 0.0001109 (0.0000707, 0.0001611) | 0.05306 (0.03625, 0.07439) |
| Kalimantan Timur | Other communicable diseases                   | 30  | 23.3 (13.6, 36.6)  | 0.0001421 (0.0000828, 0.0002230) | 0.04367 (0.02697, 0.06490) | 10.0 (5.9, 15.6)  | 0.0000698 (0.0000405, 0.0001077) | 0.03298 (0.01987, 0.04935) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 30  | 8.0 (2.5, 19.2)    | 0.0000489 (0.0000151, 0.0001172) | 0.01501 (0.00492, 0.03342) | 2.9 (1.1, 6.0)    | 0.0000198 (0.0000073, 0.0000416) | 0.00947 (0.00381, 0.01972) |
| Kalimantan Timur | Breast cancer                                 | 30  | 0.3 (0.1, 1.1)     | 0.000002 (0.0000004, 0.0000069)  | 0.00063 (0.00011, 0.00193) | 24.4 (14.2, 38.4) | 0.000168 (0.0000977, 0.0002643)  | 0.0803 (0.04970, 0.11601)  |
| Kalimantan Timur | Cervical cancer                               | 30  |                    |                                  |                            | 13.6 (6.2, 24.3)  | 0.0000938 (0.0000430, 0.0001671) | 0.04482 (0.02181, 0.07706) |
| Kalimantan Timur | Other malignant neoplasms                     | 30  | 51.4 (33.8, 71.3)  | 0.0003135 (0.0002062, 0.0004349) | 0.09627 (0.06922, 0.12561) | 23.9 (13.9, 37.2) | 0.0001642 (0.0000954, 0.0002562) | 0.07844 (0.04988, 0.11393) |
| Kalimantan Timur | Cerebrovascular disease                       | 30  | 38.3 (27.0, 52.6)  | 0.0002334 (0.0001646, 0.0003209) | 0.07179 (0.05546, 0.09235) | 26.1 (18.7, 35.8) | 0.0001799 (0.0001286, 0.0002462) | 0.08606 (0.06647, 0.10834) |
| Kalimantan Timur | Ischemic heart disease                        | 30  | 62.8 (44.7, 85.3)  | 0.000383 (0.0002725, 0.0005202)  | 0.11765 (0.09308, 0.14609) | 26.4 (18.6, 37.1) | 0.000182 (0.0001283, 0.0002550)  | 0.08702 (0.06714, 0.11094) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 30  | 17.8 (11.1, 27.1)  | 0.0001085 (0.0000676, 0.0001652) | 0.03336 (0.02185, 0.04800) | 13.4 (8.2, 20.6)  | 0.0000925 (0.0000568, 0.0001418) | 0.04415 (0.02900, 0.06272) |
| Kalimantan Timur | Diabetes mellitus                             | 30  | 17.6 (11.5, 25.2)  | 0.0001076 (0.0000702, 0.0001535) | 0.03306 (0.02312, 0.04531) | 17.9 (11.6, 26.0) | 0.0001232 (0.0000801, 0.0001788) | 0.05879 (0.04173, 0.07699) |
| Kalimantan Timur | Chronic kidney disease                        | 30  | 20.5 (12.7, 31.7)  | 0.0001253 (0.0000773, 0.0001936) | 0.03854 (0.02445, 0.05744) | 13.9 (8.8, 21.6)  | 0.0000955 (0.0000604, 0.0001489) | 0.04565 (0.02947, 0.06571) |
| Kalimantan Timur | Cirrhosis                                     | 30  | 30.2 (19.2, 44.5)  | 0.0001839 (0.0001171, 0.0002714) | 0.05649 (0.03879, 0.07720) | 10.8 (6.6, 16.5)  | 0.0000743 (0.0000451, 0.0001133) | 0.03554 (0.02288, 0.05045) |
| Kalimantan Timur | Chronic respiratory diseases                  | 30  | 23.0 (13.6, 34.7)  | 0.0001401 (0.0000829, 0.0002114) | 0.04303 (0.02675, 0.06254) | 9.8 (5.7, 15.4)   | 0.0000675 (0.0000391, 0.0001061) | 0.03232 (0.01953, 0.04883) |
| Kalimantan Timur | Other non-communicable diseases               | 30  | 46.9 (33.3, 64.1)  | 0.0002862 (0.0002030, 0.0003911) | 0.08792 (0.06709, 0.11178) | 32.3 (22.6, 44.9) | 0.0002224 (0.0001556, 0.0003090) | 0.10631 (0.08276, 0.13379) |
| Kalimantan Timur | Drowning                                      | 30  | 3.7 (1.4, 8.2)     | 0.0000228 (0.0000085, 0.0000499) | 0.00702 (0.00272, 0.01515) | 1.0 (0.3, 2.3)    | 0.0000067 (0.0000023, 0.0000156) | 0.00319 (0.00117, 0.00730) |
| Kalimantan Timur | Falls                                         | 30  | 9.2 (4.0, 18.6)    | 0.0000561 (0.0000243, 0.0001133) | 0.01726 (0.00746, 0.03462) | 3.1 (1.2, 6.8)    | 0.0000213 (0.0000085, 0.0000465) | 0.01019 (0.00439, 0.02095) |
| Kalimantan Timur | Interpersonal violence                        | 30  | 4.5 (2.1, 7.9)     | 0.0000275 (0.0000129, 0.0000482) | 0.00845 (0.00416, 0.01455) | 2.2 (0.9, 4.2)    | 0.000015 (0.0000065, 0.0000289)  | 0.00718 (0.00334, 0.01279) |
| Kalimantan Timur | Self-harm                                     | 30  | 2.5 (1.1, 5.0)     | 0.0000154 (0.0000064, 0.0000306) | 0.00475 (0.00192, 0.00905) | 1.0 (0.4, 2.1)    | 0.000007 (0.0000028, 0.0000145)  | 0.00335 (0.00134, 0.00681) |
| Kalimantan Timur | Transport injuries                            | 30  | 75.9 (50.9, 107.9) | 0.0004631 (0.0003102, 0.0006579) | 0.14229 (0.10322, 0.18652) | 19.5 (12.1, 30.0) | 0.0001345 (0.0000836, 0.0002067) | 0.06429 (0.04297, 0.09056) |
| Kalimantan Timur | Other unintentional injuries                  | 30  | 18.2 (9.2, 31.9)   | 0.0001108 (0.0000559, 0.0001945) | 0.0341 (0.01796, 0.05747)  | 5.4 (2.5, 9.7)    | 0.0000372 (0.0000175, 0.0000669) | 0.0178 (0.00875, 0.03124)  |
| Kalimantan Timur | Diarrheal diseases                            | 35  | 5.6 (2.5, 9.8)     | 0.0000387 (0.0000173, 0.0000678) | 0.00916 (0.00439, 0.01572) | 4.7 (2.1, 8.6)    | 0.0000368 (0.0000168, 0.0000676) | 0.01167 (0.00571, 0.01916) |
| Kalimantan Timur | HIV/AIDS                                      | 35  | 13.4 (4.0, 29.6)   | 0.0000929 (0.0000278, 0.0002056) | 0.02191 (0.00668, 0.04884) | 7.3 (2.2, 16.7)   | 0.0000571 (0.0000172, 0.0001308) | 0.01807 (0.00564, 0.03913) |
| Kalimantan Timur | Lower respiratory infections                  | 35  | 7.9 (3.6, 15.3)    | 0.0000546 (0.0000252, 0.0001063) | 0.0129 (0.00619, 0.02431)  | 4.0 (1.7, 7.7)    | 0.0000312 (0.0000136, 0.0000604) | 0.00991 (0.00474, 0.01801) |
| Kalimantan Timur | Malaria                                       | 35  | 1.9 (0.3, 6.1)     | 0.0000133 (0.0000018, 0.0000421) | 0.00317 (0.00043, 0.00969) | 1.0 (0.1, 3.1)    | 0.0000074 (0.0000010, 0.0000239) | 0.00236 (0.00031, 0.00699) |
| Kalimantan Timur | Tuberculosis                                  | 35  | 49.2 (31.1, 71.9)  | 0.0003418 (0.0002160, 0.0004999) | 0.08096 (0.05440, 0.11099) | 19.6 (11.1, 31.0) | 0.0001533 (0.0000866, 0.0002425) | 0.04872 (0.02977, 0.07171) |
| Kalimantan Timur | Maternal disorders                            | 35  |                    |                                  |                            | 13.3 (7.9, 19.9)  | 0.0001041 (0.0000619, 0.0001560) | 0.03315 (0.02179, 0.04775) |
| Kalimantan Timur | Other communicable diseases                   | 35  | 19.1 (11.2, 29.8)  | 0.0001327 (0.0000779, 0.0002070) | 0.03144 (0.01902, 0.04701) | 11.7 (6.9, 18.7)  | 0.0000918 (0.0000541, 0.0001461) | 0.02921 (0.01775, 0.04301) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 35  | 6.9 (2.4, 15.1)    | 0.000048 (0.0000165, 0.0001050)  | 0.01135 (0.00423, 0.02378) | 3.9 (1.6, 8.2)    | 0.0000308 (0.0000122, 0.0000639) | 0.00978 (0.00399, 0.01952) |
| Kalimantan Timur | Breast cancer                                 | 35  | 0.5 (0.1, 1.7)     | 0.0000038 (0.0000007, 0.0000117) | 0.0009 (0.00017, 0.00279)  | 35.6 (20.9, 55.7) | 0.0002791 (0.0001632, 0.0004361) | 0.08863 (0.05550, 0.12573) |
| Kalimantan Timur | Cervical cancer                               | 35  |                    |                                  |                            | 22.4 (10.6, 39.0) | 0.0001755 (0.0000829, 0.0003053) | 0.05575 (0.02876, 0.09232) |
| Kalimantan Timur | Other malignant neoplasms                     | 35  | 65.1 (44.9, 89.1)  | 0.0004526 (0.0003120, 0.0006190) | 0.10708 (0.07933, 0.13698) | 26.4 (14.7, 42.9) | 0.0002067 (0.0001149, 0.0003357) | 0.06561 (0.04043, 0.09527) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Cerebrovascular disease                       | 35  | 59.0 (42.5, 79.9)    | 0.0004099 (0.0002956, 0.0005553) | 0.09711 (0.07674, 0.12044) | 45.0 (32.4, 62.6)  | 0.0003527 (0.0002534, 0.0004900) | 0.11214 (0.08789, 0.13851) |
| Kalimantan Timur | Ischemic heart disease                        | 35  | 90.2 (66.7, 121.1)   | 0.0006269 (0.0004639, 0.0008415) | 0.14838 (0.12110, 0.17872) | 40.8 (28.9, 58.2)  | 0.000319 (0.0002264, 0.0004558)  | 0.10142 (0.07872, 0.12705) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 35  | 22.2 (14.2, 33.6)    | 0.0001541 (0.0000989, 0.0002339) | 0.03651 (0.02444, 0.05275) | 18.3 (11.4, 27.9)  | 0.0001429 (0.0000895, 0.0002187) | 0.04541 (0.03072, 0.06426) |
| Kalimantan Timur | Diabetes mellitus                             | 35  | 32.2 (21.6, 46.5)    | 0.0002241 (0.0001501, 0.0003235) | 0.05302 (0.03723, 0.07007) | 34.4 (22.4, 50.1)  | 0.000269 (0.0001756, 0.0003923)  | 0.0854 (0.06196, 0.10915)  |
| Kalimantan Timur | Chronic kidney disease                        | 35  | 24.2 (14.9, 37.3)    | 0.0001681 (0.0001036, 0.0002595) | 0.03983 (0.02592, 0.05790) | 17.0 (10.7, 26.9)  | 0.0001331 (0.0000835, 0.0002106) | 0.04228 (0.02779, 0.06002) |
| Kalimantan Timur | Cirrhosis                                     | 35  | 36.3 (23.2, 52.7)    | 0.0002524 (0.0001616, 0.0003661) | 0.05972 (0.04164, 0.07959) | 14.7 (8.7, 22.2)   | 0.0001152 (0.0000681, 0.0001739) | 0.03664 (0.02390, 0.05117) |
| Kalimantan Timur | Chronic respiratory diseases                  | 35  | 26.9 (16.8, 40.8)    | 0.0001872 (0.0001167, 0.0002834) | 0.04429 (0.02873, 0.06279) | 12.1 (7.2, 19.0)   | 0.0000945 (0.0000565, 0.0001490) | 0.03005 (0.01919, 0.04326) |
| Kalimantan Timur | Other non-communicable diseases               | 35  | 47.3 (33.7, 65.0)    | 0.0003286 (0.0002340, 0.0004519) | 0.07778 (0.05934, 0.09838) | 36.1 (25.1, 51.3)  | 0.0002828 (0.0001965, 0.0004019) | 0.08988 (0.07017, 0.11304) |
| Kalimantan Timur | Drowning                                      | 35  | 4.4 (1.7, 9.9)       | 0.0000309 (0.0000118, 0.0000689) | 0.00733 (0.00296, 0.01600) | 1.6 (0.6, 3.4)     | 0.0000124 (0.0000046, 0.0000269) | 0.00394 (0.00156, 0.00842) |
| Kalimantan Timur | Falls                                         | 35  | 9.1 (3.9, 18.4)      | 0.0000634 (0.0000272, 0.0001282) | 0.01502 (0.00649, 0.02931) | 4.0 (1.6, 8.1)     | 0.0000309 (0.0000124, 0.0000635) | 0.00984 (0.00416, 0.01954) |
| Kalimantan Timur | Interpersonal violence                        | 35  | 4.1 (1.9, 7.2)       | 0.0000286 (0.0000132, 0.0000502) | 0.00679 (0.00321, 0.01203) | 2.1 (0.9, 4.1)     | 0.0000166 (0.0000072, 0.0000322) | 0.00528 (0.00245, 0.00988) |
| Kalimantan Timur | Self-harm                                     | 35  | 2.5 (1.0, 5.0)       | 0.0000175 (0.0000068, 0.0000348) | 0.00414 (0.00163, 0.00808) | 1.0 (0.4, 2.1)     | 0.0000081 (0.0000031, 0.0000164) | 0.00259 (0.00098, 0.00515) |
| Kalimantan Timur | Transport injuries                            | 35  | 62.2 (40.3, 90.0)    | 0.0004323 (0.0002800, 0.0006256) | 0.10234 (0.07085, 0.13897) | 19.0 (11.6, 30.2)  | 0.0001488 (0.0000907, 0.0002366) | 0.04727 (0.03065, 0.06869) |
| Kalimantan Timur | Other unintentional injuries                  | 35  | 17.5 (8.9, 29.9)     | 0.0001217 (0.0000616, 0.0002077) | 0.02887 (0.01483, 0.04977) | 6.0 (2.9, 10.6)    | 0.0000471 (0.0000226, 0.0000830) | 0.015 (0.00766, 0.02604)   |
| Kalimantan Timur | Diarrheal diseases                            | 40  | 6.2 (2.9, 11.1)      | 0.0000514 (0.0000236, 0.0000913) | 0.00852 (0.00423, 0.01447) | 6.0 (3.0, 10.4)    | 0.0000568 (0.0000283, 0.0000987) | 0.01277 (0.00666, 0.02053) |
| Kalimantan Timur | HIV/AIDS                                      | 40  | 7.1 (2.1, 17.7)      | 0.0000583 (0.0000170, 0.0001459) | 0.00965 (0.00285, 0.02331) | 4.5 (1.2, 11.4)    | 0.0000423 (0.0000116, 0.0001078) | 0.0095 (0.00283, 0.02257)  |
| Kalimantan Timur | Lower respiratory infections                  | 40  | 8.1 (3.7, 15.6)      | 0.0000669 (0.0000307, 0.0001283) | 0.0111 (0.00527, 0.02042)  | 4.8 (2.2, 9.1)     | 0.0000456 (0.0000207, 0.0000863) | 0.01027 (0.00506, 0.01867) |
| Kalimantan Timur | Malaria                                       | 40  | 1.9 (0.2, 5.8)       | 0.0000152 (0.0000020, 0.0000475) | 0.00255 (0.00035, 0.00780) | 1.0 (0.1, 3.4)     | 0.0000096 (0.0000012, 0.0000318) | 0.00216 (0.00029, 0.00653) |
| Kalimantan Timur | Tuberculosis                                  | 40  | 44.7 (29.0, 65.9)    | 0.0003683 (0.0002386, 0.0005427) | 0.06125 (0.02164, 0.08394) | 20.0 (12.4, 30.8)  | 0.0001893 (0.0001175, 0.0002916) | 0.04264 (0.02708, 0.06111) |
| Kalimantan Timur | Maternal disorders                            | 40  |                      |                                  |                            | 3.1 (1.6, 5.2)     | 0.0000293 (0.0000156, 0.0000490) | 0.0066 (0.00368, 0.01077)  |
| Kalimantan Timur | Other communicable diseases                   | 40  | 19.4 (11.3, 30.5)    | 0.0001601 (0.0000928, 0.0002515) | 0.02661 (0.01642, 0.03871) | 13.7 (8.4, 21.1)   | 0.0001302 (0.0000800, 0.0002003) | 0.02935 (0.01850, 0.04234) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 40  | 10.9 (4.7, 21.9)     | 0.0000895 (0.0000388, 0.0001807) | 0.01487 (0.00692, 0.02820) | 4.6 (2.0, 9.0)     | 0.0000431 (0.0000187, 0.0000854) | 0.00972 (0.00422, 0.01973) |
| Kalimantan Timur | Breast cancer                                 | 40  | 0.9 (0.2, 2.5)       | 0.0000074 (0.0000017, 0.0000202) | 0.00122 (0.00029, 0.00333) | 42.0 (25.3, 62.5)  | 0.0003984 (0.0002397, 0.0005919) | 0.08972 (0.05649, 0.12816) |
| Kalimantan Timur | Cervical cancer                               | 40  |                      |                                  |                            | 28.3 (14.4, 48.0)  | 0.0002685 (0.0001368, 0.0004547) | 0.06051 (0.03231, 0.09748) |
| Kalimantan Timur | Other malignant neoplasms                     | 40  | 77.7 (53.1, 107.0)   | 0.0006401 (0.0004377, 0.0008815) | 0.10637 (0.07844, 0.13458) | 25.3 (14.0, 40.7)  | 0.00024 (0.0001323, 0.0003860)   | 0.054 (0.03264, 0.08067)   |
| Kalimantan Timur | Cerebrovascular disease                       | 40  | 92.0 (67.3, 122.5)   | 0.0007577 (0.0005545, 0.0010084) | 0.12599 (0.10123, 0.15337) | 65.5 (48.8, 88.7)  | 0.0006207 (0.0004625, 0.0008408) | 0.13983 (0.11348, 0.16966) |
| Kalimantan Timur | Ischemic heart disease                        | 40  | 132.2 (97.7, 174.1)  | 0.0010882 (0.0008047, 0.0014334) | 0.18081 (0.14906, 0.21387) | 55.0 (40.4, 75.8)  | 0.0005214 (0.0003833, 0.0007181) | 0.11748 (0.09304, 0.14526) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 40  | 29.7 (19.0, 45.7)    | 0.0002447 (0.0001561, 0.0003766) | 0.04067 (0.02836, 0.05802) | 22.9 (14.9, 34.4)  | 0.0002167 (0.0001409, 0.0003260) | 0.04878 (0.03393, 0.06829) |
| Kalimantan Timur | Diabetes mellitus                             | 40  | 63.9 (44.6, 90.5)    | 0.000526 (0.0003671, 0.0007452)  | 0.08733 (0.06623, 0.11225) | 61.3 (43.4, 84.7)  | 0.0005806 (0.0004111, 0.0008025) | 0.13065 (0.10070, 0.16135) |
| Kalimantan Timur | Chronic kidney disease                        | 40  | 29.2 (17.8, 45.4)    | 0.0002409 (0.0001464, 0.0003739) | 0.04005 (0.02598, 0.05853) | 18.8 (12.1, 28.7)  | 0.0001782 (0.0001149, 0.0002716) | 0.04013 (0.02605, 0.05666) |
| Kalimantan Timur | Cirrhosis                                     | 40  | 44.4 (28.4, 65.2)    | 0.0003658 (0.0002337, 0.0005372) | 0.06077 (0.04220, 0.08237) | 16.9 (10.0, 25.0)  | 0.0001599 (0.0000946, 0.0002370) | 0.03603 (0.02340, 0.05141) |
| Kalimantan Timur | Chronic respiratory diseases                  | 40  | 30.6 (19.2, 46.6)    | 0.000252 (0.0001583, 0.0003833)  | 0.04187 (0.02812, 0.05793) | 13.1 (8.2, 20.1)   | 0.0001242 (0.0000776, 0.0001906) | 0.02797 (0.01861, 0.03944) |
| Kalimantan Timur | Other non-communicable diseases               | 40  | 49.7 (35.3, 69.2)    | 0.0004093 (0.0002908, 0.0005700) | 0.06803 (0.05225, 0.08559) | 35.6 (24.9, 50.3)  | 0.0003375 (0.0002355, 0.0004762) | 0.07603 (0.05821, 0.09663) |
| Kalimantan Timur | Drowning                                      | 40  | 2.6 (0.9, 5.9)       | 0.0000213 (0.0000070, 0.0000487) | 0.00354 (0.00125, 0.00782) | 0.9 (0.3, 2.1)     | 0.0000086 (0.0000031, 0.0000195) | 0.00194 (0.00069, 0.00425) |
| Kalimantan Timur | Falls                                         | 40  | 8.5 (3.6, 17.4)      | 0.0000698 (0.0000300, 0.0001435) | 0.01161 (0.00508, 0.02318) | 3.6 (1.4, 7.5)     | 0.0000338 (0.0000137, 0.0000712) | 0.0076 (0.00327, 0.01519)  |
| Kalimantan Timur | Interpersonal violence                        | 40  | 3.1 (1.3, 5.6)       | 0.0000252 (0.0000109, 0.0000460) | 0.00421 (0.00193, 0.00757) | 1.5 (0.6, 2.9)     | 0.0000138 (0.0000059, 0.0000273) | 0.0031 (0.00139, 0.00572)  |
| Kalimantan Timur | Self-harm                                     | 40  | 2.1 (0.8, 4.3)       | 0.0000172 (0.0000066, 0.0000353) | 0.00287 (0.00110, 0.00567) | 0.8 (0.3, 1.6)     | 0.0000075 (0.0000027, 0.0000153) | 0.00169 (0.00064, 0.00342) |
| Kalimantan Timur | Transport injuries                            | 40  | 51.8 (32.9, 77.4)    | 0.0004262 (0.0002706, 0.0006374) | 0.07083 (0.04733, 0.09818) | 14.9 (9.0, 23.5)   | 0.0001414 (0.0000850, 0.0002228) | 0.03181 (0.02017, 0.04705) |
| Kalimantan Timur | Other unintentional injuries                  | 40  | 14.1 (7.0, 24.7)     | 0.0001158 (0.0000574, 0.0002035) | 0.01929 (0.01011, 0.03359) | 4.5 (2.2, 8.3)     | 0.0000431 (0.0000210, 0.0000782) | 0.00971 (0.00501, 0.01692) |
| Kalimantan Timur | Diarrheal diseases                            | 45  | 6.0 (2.8, 10.5)      | 0.0000627 (0.0000289, 0.0001094) | 0.00744 (0.00363, 0.01259) | 6.6 (3.3, 11.2)    | 0.0000808 (0.0000403, 0.0001361) | 0.01193 (0.00610, 0.01967) |
| Kalimantan Timur | HIV/AIDS                                      | 45  | 3.5 (0.9, 9.2)       | 0.0000367 (0.0000097, 0.0000960) | 0.00435 (0.00121, 0.01172) | 2.6 (0.7, 6.8)     | 0.0000315 (0.0000082, 0.0000831) | 0.00464 (0.00127, 0.01191) |
| Kalimantan Timur | Lower respiratory infections                  | 45  | 9.0 (4.2, 16.8)      | 0.0000939 (0.0000438, 0.0001751) | 0.01114 (0.00546, 0.01979) | 6.7 (3.1, 11.9)    | 0.0000819 (0.0000373, 0.0001451) | 0.01209 (0.00589, 0.02105) |
| Kalimantan Timur | Malaria                                       | 45  | 1.6 (0.2, 5.6)       | 0.0000117 (0.0000022, 0.0000585) | 0.00204 (0.00026, 0.00660) | 0.9 (0.1, 3.1)     | 0.000011 (0.0000014, 0.0000382)  | 0.00163 (0.00022, 0.00529) |
| Kalimantan Timur | Tuberculosis                                  | 45  | 45.7 (30.1, 66.9)    | 0.0004749 (0.0003136, 0.0006958) | 0.05649 (0.04010, 0.07445) | 22.5 (14.2, 33.8)  | 0.0002742 (0.0001726, 0.0004119) | 0.04051 (0.02581, 0.05600) |
| Kalimantan Timur | Maternal disorders                            | 45  |                      |                                  |                            | 1.4 (0.6, 2.5)     | 0.0000168 (0.0000073, 0.0000308) | 0.00248 (0.00108, 0.00455) |
| Kalimantan Timur | Other communicable diseases                   | 45  | 16.0 (9.1, 26.3)     | 0.0001666 (0.0000948, 0.0002739) | 0.01979 (0.01159, 0.03076) | 13.5 (8.0, 21.1)   | 0.0001641 (0.0000981, 0.0002576) | 0.02423 (0.01511, 0.03612) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 45  | 14.8 (6.6, 28.4)     | 0.0001544 (0.0000691, 0.0002949) | 0.01836 (0.00890, 0.03321) | 5.4 (2.5, 10.6)    | 0.0000662 (0.0000299, 0.0001289) | 0.00979 (0.00451, 0.01884) |
| Kalimantan Timur | Breast cancer                                 | 45  | 1.2 (0.3, 2.9)       | 0.0000123 (0.0000036, 0.0000300) | 0.00146 (0.00045, 0.00351) | 39.5 (22.8, 58.1)  | 0.0004809 (0.0002775, 0.0007085) | 0.07105 (0.04320, 0.10119) |
| Kalimantan Timur | Cervical cancer                               | 45  |                      |                                  |                            | 30.4 (15.8, 49.4)  | 0.0003706 (0.0001923, 0.0006024) | 0.05473 (0.03047, 0.08568) |
| Kalimantan Timur | Other malignant neoplasms                     | 45  | 75.6 (52.0, 105.7)   | 0.0007867 (0.0005412, 0.0010993) | 0.09352 (0.06926, 0.11873) | 22.7 (12.3, 35.7)  | 0.0002763 (0.0001504, 0.0004348) | 0.0408 (0.02422, 0.06167)  |
| Kalimantan Timur | Cerebrovascular disease                       | 45  | 119.3 (88.6, 158.0)  | 0.0012408 (0.0009215, 0.0016433) | 0.14761 (0.12093, 0.17741) | 92.9 (71.2, 122.4) | 0.0011317 (0.0008678, 0.0014916) | 0.16721 (0.13752, 0.19756) |
| Kalimantan Timur | Ischemic heart disease                        | 45  | 150.8 (112.1, 203.0) | 0.0015687 (0.0011657, 0.0021118) | 0.18644 (0.15652, 0.21837) | 68.7 (52.0, 91.4)  | 0.000837 (0.0006332, 0.0011139)  | 0.1237 (0.09874, 0.155048) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 45  | 36.3 (23.1, 54.9)    | 0.0003773 (0.0002404, 0.0005707) | 0.04485 (0.03143, 0.06269) | 28.8 (18.8, 43.1)  | 0.0003511 (0.0002291, 0.0005254) | 0.05184 (0.03582, 0.07145) |
| Kalimantan Timur | Diabetes mellitus                             | 45  | 96.2 (68.4, 132.7)   | 0.0010007 (0.0007112, 0.0013809) | 0.11887 (0.09097, 0.15037) | 94.5 (69.8, 126.5) | 0.0011523 (0.0008502, 0.0015424) | 0.1701 (0.13484, 0.20542)  |
| Kalimantan Timur | Chronic kidney disease                        | 45  | 30.3 (18.3, 47.3)    | 0.0003154 (0.0001900, 0.0004924) | 0.03752 (0.02424, 0.05526) | 19.8 (12.9, 30.5)  | 0.0002415 (0.0001567, 0.0003719) | 0.03567 (0.02359, 0.05057) |
| Kalimantan Timur | Cirrhosis                                     | 45  | 42.8 (27.5, 62.2)    | 0.0004453 (0.0002862, 0.0006470) | 0.05293 (0.03670, 0.07077) | 18.1 (11.1, 26.8)  | 0.0002209 (0.0001350, 0.0003261) | 0.03264 (0.02138, 0.04641) |
| Kalimantan Timur | Chronic respiratory diseases                  | 45  | 38.2 (24.6, 57.9)    | 0.0003978 (0.0002562, 0.0006024) | 0.04726 (0.03258, 0.06370) | 17.2 (11.0, 25.2)  | 0.0002095 (0.0001346, 0.0003072) | 0.03094 (0.02099, 0.04291) |
| Kalimantan Timur | Other non-communicable diseases               | 45  | 46.7 (32.7, 64.4)    | 0.0004854 (0.0003397, 0.0006704) | 0.0577 (0.04406, 0.07296)  | 35.7 (25.4, 49.1)  | 0.0004356 (0.0003098, 0.0005984) | 0.06435 (0.04997, 0.08169) |
| Kalimantan Timur | Drowning                                      | 45  | 1.5 (0.5, 3.6)       | 0.000016 (0.0000052, 0.0000378)  | 0.00191 (0.00064, 0.00448) | 0.7 (0.2, 1.7)     | 0.0000088 (0.0000030, 0.0000211) | 0.00131 (0.00044, 0.00299) |
| Kalimantan Timur | Falls                                         | 45  | 8.5 (3.6, 17.3)      | 0.000088 (0.0000376, 0.0001795)  | 0.01047 (0.00461, 0.02121) | 4.4 (1.8, 9.2)     | 0.0000542 (0.0000223, 0.0001117) | 0.008 (0.00355, 0.01560)   |
| Kalimantan Timur | Interpersonal violence                        | 45  | 2.5 (1.1, 4.7)       | 0.0000263 (0.0000110, 0.0000484) | 0.00313 (0.00133, 0.00570) | 1.2 (0.5, 2.4)     | 0.0000147 (0.0000060, 0.0000290) | 0.00217 (0.00094, 0.00414) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                             | Females             |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Self-harm                                     | 45  | 2.0 (0.8, 3.9)       | 0.000206 (0.0000079, 0.0000410)  | 0.00245 (0.00098, 0.00490)  | 0.7 (0.3, 1.5)      | 0.000089 (0.0000032, 0.0000182)  | 0.00131 (0.00050, 0.00263) |
| Kalimantan Timur | Transport injuries                            | 45  | 47.8 (29.1, 71.8)    | 0.0004968 (0.0003029, 0.0007467) | 0.05907 (0.03917, 0.08305)  | 16.1 (9.5, 25.5)    | 0.0001963 (0.0001154, 0.0003112) | 0.02897 (0.01793, 0.04284) |
| Kalimantan Timur | Other unintentional injuries                  | 45  | 12.3 (5.9, 22.3)     | 0.0001277 (0.0000610, 0.0002321) | 0.01521 (0.00749, 0.02725)  | 4.4 (2.1, 8.2)      | 0.0000537 (0.0000254, 0.0001004) | 0.00793 (0.00385, 0.01456) |
| Kalimantan Timur | Diarrheal diseases                            | 50  | 8.1 (3.9, 14.2)      | 0.0001099 (0.0000529, 0.0001931) | 0.00874 (0.00446, 0.01462)  | 8.2 (4.3, 13.7)     | 0.0001416 (0.0000731, 0.0002350) | 0.01409 (0.00755, 0.02254) |
| Kalimantan Timur | HIV/AIDS                                      | 50  | 1.5 (0.4, 4.1)       | 0.00002 (0.0000050, 0.0000559)   | 0.00159 (0.00042, 0.00415)  | 1.0 (0.3, 2.9)      | 0.0000178 (0.0000044, 0.0000497) | 0.00176 (0.00047, 0.00470) |
| Kalimantan Timur | Lower respiratory infections                  | 50  | 11.4 (5.4, 20.8)     | 0.0001552 (0.0000735, 0.0002820) | 0.01234 (0.00599, 0.02126)  | 8.4 (4.0, 14.6)     | 0.000145 (0.0000693, 0.0002508)  | 0.01443 (0.00739, 0.02413) |
| Kalimantan Timur | Malaria                                       | 50  | 1.7 (0.2, 5.7)       | 0.0000227 (0.0000029, 0.0000774) | 0.00182 (0.00024, 0.00597)  | 0.8 (0.1, 2.8)      | 0.0000135 (0.0000017, 0.0000484) | 0.00134 (0.00017, 0.00466) |
| Kalimantan Timur | Tuberculosis                                  | 50  | 49.7 (32.4, 71.5)    | 0.0006742 (0.0004392, 0.0009694) | 0.05372 (0.03803, 0.07074)  | 21.9 (13.7, 33.1)   | 0.0003763 (0.0002354, 0.0005676) | 0.03745 (0.02431, 0.05230) |
| Kalimantan Timur | Maternal disorders                            | 50  |                      |                                  |                             | 0.6 (0.2, 1.6)      | 0.0000106 (0.0000034, 0.0000278) | 0.00106 (0.00035, 0.00264) |
| Kalimantan Timur | Other communicable diseases                   | 50  | 16.4 (9.1, 26.9)     | 0.0002219 (0.0001237, 0.0003646) | 0.01768 (0.01046, 0.02749)  | 13.1 (7.8, 20.6)    | 0.0002249 (0.0001347, 0.0003546) | 0.0224 (0.01377, 0.03356)  |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 50  | 21.8 (10.1, 42.1)    | 0.0002961 (0.0001368, 0.0005706) | 0.02358 (0.01151, 0.04157)  | 5.4 (2.4, 10.5)     | 0.0000925 (0.0000404, 0.0001805) | 0.00921 (0.00398, 0.01796) |
| Kalimantan Timur | Breast cancer                                 | 50  | 1.1 (0.4, 2.5)       | 0.0000149 (0.0000053, 0.0000335) | 0.00119 (0.00044, 0.00254)  | 28.9 (16.3, 44.1)   | 0.0004964 (0.0002799, 0.0007564) | 0.04941 (0.02806, 0.07224) |
| Kalimantan Timur | Cervical cancer                               | 50  |                      |                                  |                             | 26.3 (13.4, 42.1)   | 0.0004521 (0.0002297, 0.0007235) | 0.045 (0.02470, 0.06927)   |
| Kalimantan Timur | Other malignant neoplasms                     | 50  | 63.1 (42.3, 89.3)    | 0.0008567 (0.0005744, 0.0012111) | 0.06824 (0.04951, 0.08802)  | 19.8 (10.6, 31.5)   | 0.0003395 (0.0001818, 0.0005417) | 0.0338 (0.01967, 0.05177)  |
| Kalimantan Timur | Cerebrovascular disease                       | 50  | 159.1 (119.0, 210.5) | 0.0021586 (0.0016138, 0.0028563) | 0.17203 (0.14291, 0.20504)  | 115.1 (89.8, 149.8) | 0.001977 (0.0015427, 0.0025713)  | 0.19685 (0.16521, 0.23006) |
| Kalimantan Timur | Ischemic heart disease                        | 50  | 184.8 (138.2, 246.7) | 0.0025073 (0.0018747, 0.0033468) | 0.19963 (0.16797, 0.23269)  | 75.1 (56.9, 99.1)   | 0.0012901 (0.0009766, 0.0017016) | 0.12847 (0.10329, 0.15486) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 50  | 46.7 (30.0, 71.9)    | 0.0006342 (0.0004066, 0.0009751) | 0.0505 (0.03580, 0.07089)   | 34.1 (22.7, 51.1)   | 0.0005857 (0.0003889, 0.0008773) | 0.05828 (0.04030, 0.08067) |
| Kalimantan Timur | Diabetes mellitus                             | 50  | 126.6 (90.4, 172.9)  | 0.0017174 (0.0012268, 0.0023460) | 0.1367 (0.10760, 0.17027)   | 112.5 (84.7, 148.9) | 0.0019319 (0.0014540, 0.0025568) | 0.1922 (0.15409, 0.22768)  |
| Kalimantan Timur | Chronic kidney disease                        | 50  | 31.9 (19.4, 49.6)    | 0.0004323 (0.0002626, 0.0006731) | 0.03446 (0.02270, 0.05026)  | 18.6 (12.1, 27.6)   | 0.0003199 (0.0002086, 0.0004731) | 0.03184 (0.02110, 0.04547) |
| Kalimantan Timur | Cirrhosis                                     | 50  | 44.6 (28.6, 65.2)    | 0.0006046 (0.0003874, 0.0008849) | 0.04815 (0.03286, 0.06478)  | 18.0 (11.2, 27.1)   | 0.0003098 (0.0001917, 0.0004658) | 0.03083 (0.02030, 0.04349) |
| Kalimantan Timur | Chronic respiratory diseases                  | 50  | 47.2 (30.2, 70.8)    | 0.0006398 (0.0004096, 0.0009601) | 0.05092 (0.03484, 0.06749)  | 20.7 (13.2, 30.1)   | 0.0003553 (0.0002260, 0.0005166) | 0.03537 (0.02403, 0.04775) |
| Kalimantan Timur | Other non-communicable diseases               | 50  | 48.6 (34.4, 67.7)    | 0.0006594 (0.0004665, 0.0009179) | 0.05254 (0.04040, 0.06627)  | 34.6 (24.7, 47.3)   | 0.0005939 (0.0004245, 0.0008119) | 0.05912 (0.04542, 0.07485) |
| Kalimantan Timur | Drowning                                      | 50  | 1.1 (0.3, 2.6)       | 0.0000148 (0.0000046, 0.0000352) | 0.00118 (0.00038, 0.00281)  | 0.5 (0.2, 1.3)      | 0.0000092 (0.0000030, 0.0000222) | 0.00092 (0.00030, 0.00215) |
| Kalimantan Timur | Falls                                         | 50  | 9.4 (4.0, 18.4)      | 0.0001274 (0.0000547, 0.0002493) | 0.01016 (0.00455, 0.01952)  | 4.9 (2.1, 9.2)      | 0.0000837 (0.0000353, 0.0001587) | 0.00833 (0.00378, 0.01546) |
| Kalimantan Timur | Interpersonal violence                        | 50  | 2.0 (0.8, 3.6)       | 0.0000267 (0.0000114, 0.0000493) | 0.00213 (0.00093, 0.00397)  | 0.8 (0.3, 1.6)      | 0.0000137 (0.0000056, 0.0000272) | 0.00136 (0.00059, 0.00256) |
| Kalimantan Timur | Self-harm                                     | 50  | 1.7 (0.7, 3.4)       | 0.0000232 (0.0000090, 0.0000466) | 0.00185 (0.00077, 0.00373)  | 0.5 (0.2, 1.1)      | 0.0000089 (0.0000033, 0.0000191) | 0.00089 (0.00035, 0.00188) |
| Kalimantan Timur | Transport injuries                            | 50  | 37.1 (22.5, 57.2)    | 0.0005035 (0.0003049, 0.0007763) | 0.0401 (0.02617, 0.05761)   | 11.7 (6.9, 18.7)    | 0.0002017 (0.0001178, 0.0003218) | 0.02007 (0.01246, 0.02954) |
| Kalimantan Timur | Other unintentional injuries                  | 50  | 9.9 (4.6, 17.5)      | 0.000135 (0.0000626, 0.0002380)  | 0.01077 (0.00535, 0.01909)  | 3.2 (1.5, 6.1)      | 0.0000555 (0.0000255, 0.0001054) | 0.00552 (0.00270, 0.01028) |
| Kalimantan Timur | Diarrheal diseases                            | 55  | 8.7 (4.3, 15.0)      | 0.0001708 (0.0000847, 0.0002946) | 0.00939 (0.00489, 0.01565)  | 8.0 (4.4, 12.8)     | 0.0002259 (0.0001257, 0.0003628) | 0.01516 (0.00859, 0.02389) |
| Kalimantan Timur | HIV/AIDS                                      | 55  | 0.6 (0.1, 1.8)       | 0.0000118 (0.0000024, 0.0000348) | 0.00065 (0.000014, 0.00185) | 0.4 (0.1, 1.1)      | 0.0000106 (0.0000022, 0.0000314) | 0.00071 (0.00015, 0.00194) |
| Kalimantan Timur | Lower respiratory infections                  | 55  | 11.7 (5.8, 20.6)     | 0.0002301 (0.0001134, 0.0004038) | 0.01264 (0.00643, 0.02166)  | 7.9 (4.0, 13.3)     | 0.0002236 (0.0001127, 0.0003768) | 0.015 (0.00800, 0.02464)   |
| Kalimantan Timur | Malaria                                       | 55  | 1.6 (0.2, 5.4)       | 0.0000308 (0.0000040, 0.0001070) | 0.0017 (0.00021, 0.00565)   | 0.6 (0.1, 2.2)      | 0.0000176 (0.0000021, 0.0000617) | 0.00118 (0.00015, 0.00400) |
| Kalimantan Timur | Tuberculosis                                  | 55  | 41.5 (26.5, 60.4)    | 0.0008148 (0.0005206, 0.0011866) | 0.04484 (0.03029, 0.06036)  | 15.6 (9.3, 24.0)    | 0.0004417 (0.0002632, 0.0006791) | 0.02964 (0.01818, 0.04186) |
| Kalimantan Timur | Other communicable diseases                   | 55  | 15.6 (8.7, 25.6)     | 0.0003062 (0.0001703, 0.0005024) | 0.01685 (0.00995, 0.02624)  | 11.5 (6.9, 18.0)    | 0.0003252 (0.0001956, 0.0005092) | 0.02184 (0.01328, 0.03273) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 55  | 18.5 (8.8, 34.4)     | 0.0003629 (0.0001738, 0.0006759) | 0.01994 (0.01008, 0.03507)  | 3.9 (1.7, 8.0)      | 0.0001103 (0.0000481, 0.0002253) | 0.0074 (0.00315, 0.01450)  |
| Kalimantan Timur | Breast cancer                                 | 55  | 1.0 (0.4, 2.2)       | 0.0000198 (0.0000073, 0.0000426) | 0.00109 (0.00043, 0.00224)  | 18.4 (10.0, 28.9)   | 0.0005211 (0.0002815, 0.0008176) | 0.03496 (0.01957, 0.05259) |
| Kalimantan Timur | Cervical cancer                               | 55  |                      |                                  |                             | 17.7 (9.1, 29.4)    | 0.0005014 (0.0002581, 0.0008307) | 0.03363 (0.01811, 0.05269) |
| Kalimantan Timur | Other malignant neoplasms                     | 55  | 48.5 (32.2, 70.0)    | 0.0009526 (0.0006331, 0.0013753) | 0.05241 (0.03814, 0.06956)  | 15.1 (8.0, 24.1)    | 0.0004271 (0.0002264, 0.0006822) | 0.02866 (0.01593, 0.04478) |
| Kalimantan Timur | Cerebrovascular disease                       | 55  | 182.0 (137.2, 235.2) | 0.0035769 (0.0026968, 0.0046218) | 0.19691 (0.16600, 0.23087)  | 120.2 (94.6, 153.8) | 0.0033958 (0.0026729, 0.0043454) | 0.22792 (0.19511, 0.26361) |
| Kalimantan Timur | Ischemic heart disease                        | 55  | 197.6 (150.1, 261.1) | 0.0038828 (0.0029497, 0.0051309) | 0.2136 (0.18030, 0.24779)   | 73.4 (55.7, 97.0)   | 0.002075 (0.0015745, 0.0027417)  | 0.13927 (0.11265, 0.16659) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 55  | 51.6 (32.5, 79.7)    | 0.0010132 (0.0006388, 0.0015652) | 0.05571 (0.03895, 0.07798)  | 33.5 (22.2, 49.4)   | 0.0009463 (0.0006282, 0.0013955) | 0.06349 (0.04393, 0.08642) |
| Kalimantan Timur | Diabetes mellitus                             | 55  | 130.4 (93.5, 177.8)  | 0.0025625 (0.0018365, 0.0034944) | 0.14093 (0.11126, 0.17461)  | 104.3 (78.3, 138.1) | 0.0029456 (0.0022133, 0.0039020) | 0.19753 (0.15922, 0.23576) |
| Kalimantan Timur | Chronic kidney disease                        | 55  | 29.6 (18.0, 46.5)    | 0.0005822 (0.0003528, 0.0009137) | 0.03206 (0.02110, 0.04724)  | 15.3 (10.0, 23.0)   | 0.0004336 (0.0002815, 0.0006493) | 0.0291 (0.01928, 0.04197)  |
| Kalimantan Timur | Cirrhosis                                     | 55  | 39.8 (26.0, 58.9)    | 0.000783 (0.0005114, 0.0011570)  | 0.04308 (0.03000, 0.05705)  | 15.0 (9.1, 22.0)    | 0.000423 (0.0002578, 0.0006228)  | 0.02837 (0.01862, 0.03982) |
| Kalimantan Timur | Chronic respiratory diseases                  | 55  | 50.1 (33.3, 73.6)    | 0.0009852 (0.0006538, 0.0014469) | 0.05419 (0.03781, 0.07156)  | 19.2 (12.6, 27.9)   | 0.0005435 (0.0003570, 0.0007890) | 0.03646 (0.02524, 0.04906) |
| Kalimantan Timur | Other non-communicable diseases               | 55  | 49.3 (34.4, 68.6)    | 0.0009698 (0.0006765, 0.0013486) | 0.05337 (0.04086, 0.06748)  | 31.8 (23.1, 43.5)   | 0.0008979 (0.0006521, 0.0012300) | 0.06025 (0.04640, 0.07704) |
| Kalimantan Timur | Drowning                                      | 55  | 0.8 (0.2, 2.2)       | 0.0000165 (0.0000049, 0.0000428) | 0.00091 (0.00027, 0.00230)  | 0.4 (0.1, 0.9)      | 0.0000113 (0.0000033, 0.0000263) | 0.00076 (0.00023, 0.00176) |
| Kalimantan Timur | Falls                                         | 55  | 10.3 (4.5, 20.1)     | 0.000202 (0.0000876, 0.0003943)  | 0.01113 (0.00515, 0.02134)  | 5.0 (2.3, 9.0)      | 0.0001401 (0.0000656, 0.0002537) | 0.00941 (0.00462, 0.01686) |
| Kalimantan Timur | Interpersonal violence                        | 55  | 1.4 (0.6, 2.7)       | 0.0000284 (0.0000117, 0.0000534) | 0.00157 (0.00068, 0.00295)  | 0.5 (0.2, 1.0)      | 0.0000138 (0.0000055, 0.0000273) | 0.00092 (0.00038, 0.00180) |
| Kalimantan Timur | Self-harm                                     | 55  | 1.4 (0.6, 2.8)       | 0.0000279 (0.0000111, 0.0000554) | 0.00154 (0.00063, 0.00309)  | 0.4 (0.1, 0.8)      | 0.00001 (0.0000035, 0.0000215)   | 0.00067 (0.00024, 0.00141) |
| Kalimantan Timur | Transport injuries                            | 55  | 24.9 (14.6, 39.6)    | 0.000489 (0.0002867, 0.0007783)  | 0.02691 (0.01674, 0.04048)  | 7.1 (3.8, 11.7)     | 0.0002 (0.0001075, 0.0003319)    | 0.01341 (0.00745, 0.02102) |
| Kalimantan Timur | Other unintentional injuries                  | 55  | 7.9 (3.7, 14.5)      | 0.0001559 (0.0000732, 0.0002856) | 0.00859 (0.00413, 0.01520)  | 2.3 (1.0, 4.2)      | 0.0000637 (0.0000285, 0.0001198) | 0.00427 (0.00193, 0.00795) |
| Kalimantan Timur | Diarrheal diseases                            | 60  | 9.2 (4.5, 15.7)      | 0.0003172 (0.0001540, 0.0005432) | 0.01088 (0.00557, 0.01773)  | 9.1 (5.1, 14.4)     | 0.000378 (0.0002104, 0.0005994)  | 0.01692 (0.00974, 0.02625) |
| Kalimantan Timur | HIV/AIDS                                      | 60  | 0.4 (0.1, 1.2)       | 0.0000128 (0.0000027, 0.0000401) | 0.00044 (0.00009, 0.00140)  | 0.3 (0.0, 0.8)      | 0.0000107 (0.0000020, 0.0000337) | 0.00048 (0.00010, 0.00145) |
| Kalimantan Timur | Lower respiratory infections                  | 60  | 14.5 (7.2, 25.3)     | 0.0005013 (0.0002498, 0.0008773) | 0.0172 (0.00909, 0.02903)   | 11.2 (5.9, 18.7)    | 0.0004682 (0.0002472, 0.0007782) | 0.02095 (0.01145, 0.03356) |
| Kalimantan Timur | Malaria                                       | 60  | 1.4 (0.2, 4.9)       | 0.0000492 (0.0000064, 0.0001708) | 0.0017 (0.00022, 0.00550)   | 0.6 (0.1, 2.1)      | 0.0000251 (0.0000031, 0.0000874) | 0.00112 (0.00014, 0.00393) |
| Kalimantan Timur | Tuberculosis                                  | 60  | 40.6 (26.3, 59.3)    | 0.0014069 (0.0009091, 0.0020521) | 0.04836 (0.03305, 0.06585)  | 17.7 (10.5, 26.7)   | 0.0007355 (0.0004365, 0.0011114) | 0.03294 (0.02077, 0.04723) |
| Kalimantan Timur | Other communicable diseases                   | 60  | 12.1 (6.4, 19.8)     | 0.0004184 (0.0002202, 0.0006856) | 0.01437 (0.00803, 0.02281)  | 9.6 (5.5, 15.4)     | 0.0004014 (0.0002308, 0.0006419) | 0.01799 (0.01048, 0.02764) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 60  | 16.9 (8.0, 32.4)     | 0.0005858 (0.0002784, 0.0011221) | 0.02011 (0.00993, 0.03627)  | 3.4 (1.5, 7.1)      | 0.000143 (0.0000618, 0.0002944)  | 0.00641 (0.00273, 0.01304) |
| Kalimantan Timur | Breast cancer                                 | 60  | 0.8 (0.3, 1.8)       | 0.0000275 (0.0000099, 0.0000611) | 0.00094 (0.00035, 0.00210)  | 12.4 (6.4, 20.3)    | 0.0005179 (0.0002684, 0.0008460) | 0.02318 (0.01233, 0.03675) |
| Kalimantan Timur | Cervical cancer                               | 60  |                      |                                  |                             | 15.2 (7.8, 24.9)    | 0.0006334 (0.0003261, 0.0010360) | 0.02835 (0.01489, 0.04552) |
| Kalimantan Timur | Other malignant neoplasms                     | 60  | 39.0 (25.7, 55.4)    | 0.0013483 (0.0008907, 0.0019170) | 0.04631 (0.03383, 0.06092)  | 14.4 (7.8, 23.2)    | 0.0005977 (0.0003242, 0.0009677) | 0.02676 (0.01508, 0.04184) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
|                  |                                               |     |                      |                                  |                            |                      |                                  |                            |
| Kalimantan Timur | Cerebrovascular disease                       | 60  | 180.2 (136.5, 230.2) | 0.0062371 (0.0047259, 0.0079668) | 0.21439 (0.17951, 0.24982) | 134.5 (108.7, 169.9) | 0.0056013 (0.0045262, 0.0070773) | 0.25085 (0.21602, 0.28741) |
| Kalimantan Timur | Ischemic heart disease                        | 60  | 171.3 (129.6, 222.9) | 0.0059279 (0.0044854, 0.0077147) | 0.20364 (0.17049, 0.23748) | 75.8 (58.5, 98.7)    | 0.0031572 (0.0024355, 0.0041128) | 0.1414 (0.11369, 0.16901)  |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 60  | 50.4 (32.8, 76.0)    | 0.0017458 (0.0011342, 0.0026306) | 0.05996 (0.04246, 0.08288) | 35.8 (24.1, 52.4)    | 0.0014928 (0.0010025, 0.0021821) | 0.06683 (0.04613, 0.09114) |
| Kalimantan Timur | Diabetes mellitus                             | 60  | 103.0 (74.2, 141.0)  | 0.0035638 (0.0025669, 0.0048807) | 0.12238 (0.09516, 0.15300) | 94.4 (70.9, 123.8)   | 0.0039331 (0.0029528, 0.0051567) | 0.17596 (0.14100, 0.21125) |
| Kalimantan Timur | Chronic kidney disease                        | 60  | 23.5 (14.4, 36.4)    | 0.0008129 (0.0004990, 0.0012599) | 0.02795 (0.01832, 0.04149) | 13.8 (8.8, 21.3)     | 0.0005736 (0.0003651, 0.0008855) | 0.02568 (0.01660, 0.03723) |
| Kalimantan Timur | Cirrhosis                                     | 60  | 31.2 (20.3, 46.6)    | 0.001079 (0.0007015, 0.0016115)  | 0.03708 (0.02514, 0.05006) | 13.3 (8.2, 19.8)     | 0.0005559 (0.0003429, 0.0008266) | 0.02488 (0.01608, 0.03527) |
| Kalimantan Timur | Chronic respiratory diseases                  | 60  | 61.7 (42.4, 88.1)    | 0.002136 (0.0014660, 0.0030499)  | 0.07338 (0.05264, 0.09496) | 25.9 (17.3, 36.0)    | 0.0010795 (0.0007211, 0.0015009) | 0.04832 (0.03356, 0.06386) |
| Kalimantan Timur | Other non-communicable diseases               | 60  | 49.7 (35.2, 67.1)    | 0.0017219 (0.0012174, 0.0023222) | 0.0592 (0.04581, 0.07425)  | 35.7 (26.1, 48.4)    | 0.0014877 (0.0010891, 0.0020165) | 0.06661 (0.05205, 0.08480) |
| Kalimantan Timur | Drowning                                      | 60  | 0.6 (0.2, 1.6)       | 0.0000214 (0.0000065, 0.0000562) | 0.00074 (0.00022, 0.00180) | 0.3 (0.1, 0.9)       | 0.000014 (0.0000037, 0.0000355)  | 0.00063 (0.00017, 0.00168) |
| Kalimantan Timur | Falls                                         | 60  | 8.1 (3.7, 15.1)      | 0.0002817 (0.0001296, 0.0005238) | 0.0097 (0.00458, 0.01792)  | 4.4 (2.1, 8.0)       | 0.0001831 (0.0000885, 0.0003333) | 0.0082 (0.00405, 0.01451)  |
| Kalimantan Timur | Interpersonal violence                        | 60  | 0.8 (0.3, 1.6)       | 0.0000284 (0.0000112, 0.0000564) | 0.00098 (0.00039, 0.00197) | 0.3 (0.1, 0.7)       | 0.0000128 (0.0000046, 0.0000283) | 0.00058 (0.00022, 0.00126) |
| Kalimantan Timur | Self-harm                                     | 60  | 0.9 (0.4, 1.8)       | 0.0000311 (0.0000123, 0.0000638) | 0.00107 (0.00044, 0.00211) | 0.2 (0.1, 0.5)       | 0.0000102 (0.0000034, 0.0000225) | 0.00046 (0.00016, 0.00098) |
| Kalimantan Timur | Transport injuries                            | 60  | 19.0 (10.9, 30.0)    | 0.000656 (0.0003756, 0.0010382)  | 0.02254 (0.01343, 0.03400) | 6.0 (3.2, 9.5)       | 0.000025 (0.0001331, 0.0003956)  | 0.01119 (0.00602, 0.01748) |
| Kalimantan Timur | Other unintentional injuries                  | 60  | 5.6 (2.5, 9.7)       | 0.0001943 (0.0000873, 0.0003361) | 0.00669 (0.00306, 0.01152) | 1.8 (0.8, 3.3)       | 0.0000738 (0.0000314, 0.0001392) | 0.00331 (0.00147, 0.00611) |
| Kalimantan Timur | Diarrheal diseases                            | 65  | 13.2 (7.2, 21.1)     | 0.0007508 (0.0004107, 0.0011955) | 0.01817 (0.01041, 0.02792) | 13.9 (8.3, 21.4)     | 0.0008738 (0.0005218, 0.0013460) | 0.02636 (0.01601, 0.03959) |
| Kalimantan Timur | HIV/AIDS                                      | 65  | 0.3 (0.1, 0.9)       | 0.0000168 (0.0000038, 0.0000510) | 0.00041 (0.00010, 0.00117) | 0.2 (0.1, 0.7)       | 0.0000141 (0.0000032, 0.0000426) | 0.00042 (0.00009, 0.00125) |
| Kalimantan Timur | Lower respiratory infections                  | 65  | 14.7 (7.6, 25.4)     | 0.0008356 (0.0004302, 0.0014401) | 0.0202 (0.01069, 0.03320)  | 12.4 (6.7, 20.3)     | 0.0007802 (0.0004228, 0.0012751) | 0.02353 (0.01292, 0.03646) |
| Kalimantan Timur | Malaria                                       | 65  | 1.2 (0.2, 4.2)       | 0.0000695 (0.0000086, 0.0002399) | 0.00169 (0.00021, 0.00583) | 0.6 (0.1, 1.9)       | 0.0000347 (0.0000040, 0.0001204) | 0.00105 (0.00012, 0.00361) |
| Kalimantan Timur | Tuberculosis                                  | 65  | 35.1 (22.5, 50.6)    | 0.0019883 (0.0012771, 0.0028664) | 0.04814 (0.03289, 0.06526) | 16.7 (10.9, 25.7)    | 0.0010471 (0.0006279, 0.0016116) | 0.0316 (0.01965, 0.04565)  |
| Kalimantan Timur | Other communicable diseases                   | 65  | 10.5 (5.6, 17.7)     | 0.0005926 (0.0003158, 0.0010055) | 0.01434 (0.00788, 0.02265) | 8.8 (5.0, 14.0)      | 0.000555 (0.0003145, 0.0008819)  | 0.01676 (0.00944, 0.02636) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 65  | 13.3 (6.1, 25.1)     | 0.0007525 (0.0003448, 0.0014207) | 0.01818 (0.00856, 0.03329) | 2.6 (1.1, 5.5)       | 0.0001625 (0.0000684, 0.0003422) | 0.00491 (0.00201, 0.01025) |
| Kalimantan Timur | Breast cancer                                 | 65  | 0.5 (0.2, 1.3)       | 0.0000294 (0.0000095, 0.0000719) | 0.00071 (0.00024, 0.00176) | 8.8 (4.5, 14.3)      | 0.0005525 (0.0002814, 0.0008994) | 0.01667 (0.00884, 0.02709) |
| Kalimantan Timur | Cervical cancer                               | 65  |                      |                                  |                            | 10.8 (5.2, 18.5)     | 0.0006805 (0.0003270, 0.0011599) | 0.02054 (0.01030, 0.03289) |
| Kalimantan Timur | Other malignant neoplasms                     | 65  | 26.5 (17.7, 37.6)    | 0.001501 (0.0010042, 0.0021321)  | 0.03632 (0.02650, 0.04800) | 13.9 (7.7, 21.5)     | 0.0008703 (0.0004854, 0.0013525) | 0.02626 (0.01551, 0.04031) |
| Kalimantan Timur | Cerebrovascular disease                       | 65  | 167.9 (128.5, 211.6) | 0.0095184 (0.0072860, 0.0119905) | 0.23043 (0.19570, 0.26686) | 142.6 (116.9, 178.5) | 0.0089511 (0.0073414, 0.0112051) | 0.27019 (0.23484, 0.30617) |
| Kalimantan Timur | Ischemic heart disease                        | 65  | 146.6 (110.8, 188.9) | 0.0083086 (0.0062790, 0.0107039) | 0.20099 (0.16811, 0.23537) | 73.8 (56.7, 94.8)    | 0.0046302 (0.0035585, 0.0059504) | 0.13976 (0.11217, 0.16804) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 65  | 49.0 (32.0, 71.7)    | 0.0027746 (0.0018130, 0.0040644) | 0.0671 (0.04826, 0.09186)  | 39.8 (26.3, 57.3)    | 0.0024976 (0.0016487, 0.0035961) | 0.07537 (0.05255, 0.10238) |
| Kalimantan Timur | Diabetes mellitus                             | 65  | 73.0 (52.1, 99.6)    | 0.0041366 (0.0029526, 0.0056468) | 0.10005 (0.07725, 0.12550) | 78.4 (58.6, 102.2)   | 0.0049231 (0.0036798, 0.0064138) | 0.14849 (0.11660, 0.17862) |
| Kalimantan Timur | Chronic kidney disease                        | 65  | 18.9 (11.7, 29.3)    | 0.0010735 (0.0006605, 0.0016610) | 0.026 (0.01702, 0.03895)   | 12.9 (8.3, 19.8)     | 0.0008073 (0.0005208, 0.0012400) | 0.02436 (0.01578, 0.03534) |
| Kalimantan Timur | Cirrhosis                                     | 65  | 21.9 (14.2, 32.6)    | 0.0012417 (0.0008027, 0.0018481) | 0.03005 (0.02038, 0.04104) | 10.8 (6.7, 16.1)     | 0.0006766 (0.0004185, 0.0010109) | 0.02042 (0.01299, 0.02944) |
| Kalimantan Timur | Chronic respiratory diseases                  | 65  | 59.5 (41.6, 82.4)    | 0.0033734 (0.0023581, 0.0046729) | 0.08162 (0.05981, 0.10374) | 28.8 (19.5, 39.8)    | 0.00181 (0.0012258, 0.0024980)   | 0.05462 (0.03905, 0.07145) |
| Kalimantan Timur | Other non-communicable diseases               | 65  | 49.6 (35.1, 66.0)    | 0.0028135 (0.0019879, 0.0037402) | 0.0681 (0.05285, 0.08575)  | 40.6 (29.9, 54.4)    | 0.002551 (0.0018773, 0.0034154)  | 0.077 (0.06005, 0.09692)   |
| Kalimantan Timur | Drowning                                      | 65  | 0.5 (0.1, 1.2)       | 0.0000261 (0.0000073, 0.0000681) | 0.00063 (0.00019, 0.00158) | 0.3 (0.1, 0.7)       | 0.0000171 (0.0000046, 0.0000425) | 0.00052 (0.00014, 0.00125) |
| Kalimantan Timur | Falls                                         | 65  | 7.6 (3.6, 13.9)      | 0.00043 (0.0002030, 0.0007858)   | 0.01042 (0.00489, 0.01845) | 4.5 (2.1, 7.9)       | 0.0002812 (0.0001320, 0.0004987) | 0.00849 (0.00418, 0.01463) |
| Kalimantan Timur | Interpersonal violence                        | 65  | 0.5 (0.2, 1.1)       | 0.0000296 (0.0000117, 0.0000644) | 0.00072 (0.00027, 0.00155) | 0.2 (0.1, 0.5)       | 0.0000136 (0.0000046, 0.0000309) | 0.00041 (0.00015, 0.00097) |
| Kalimantan Timur | Self-harm                                     | 65  | 0.6 (0.2, 1.3)       | 0.0000365 (0.0000140, 0.0000729) | 0.00088 (0.00036, 0.00176) | 0.2 (0.1, 0.4)       | 0.0000122 (0.0000042, 0.0000273) | 0.00037 (0.00013, 0.00080) |
| Kalimantan Timur | Transport injuries                            | 65  | 13.7 (8.0, 21.9)     | 0.0007793 (0.0004506, 0.0012435) | 0.01886 (0.01111, 0.02898) | 4.8 (2.4, 7.7)       | 0.0002993 (0.0001534, 0.0004854) | 0.00903 (0.00474, 0.01421) |
| Kalimantan Timur | Other unintentional injuries                  | 65  | 4.3 (2.0, 7.7)       | 0.0002465 (0.0001129, 0.0004362) | 0.00598 (0.00275, 0.01075) | 1.5 (0.6, 2.8)       | 0.0000948 (0.0000398, 0.0001752) | 0.00286 (0.00119, 0.00540) |
| Kalimantan Timur | Diarrheal diseases                            | 70  | 17.2 (10.2, 26.3)    | 0.0016748 (0.0009965, 0.0025652) | 0.02604 (0.01594, 0.03859) | 19.7 (12.4, 29.3)    | 0.0018854 (0.0011847, 0.0028005) | 0.03587 (0.02284, 0.05117) |
| Kalimantan Timur | HIV/AIDS                                      | 70  | 0.3 (0.1, 1.0)       | 0.0000339 (0.0000077, 0.0001007) | 0.00053 (0.00013, 0.00158) | 0.3 (0.1, 0.9)       | 0.0000273 (0.0000055, 0.0000830) | 0.00052 (0.00011, 0.00159) |
| Kalimantan Timur | Lower respiratory infections                  | 70  | 17.3 (9.2, 29.3)     | 0.0016825 (0.0008971, 0.0028488) | 0.02614 (0.01451, 0.04114) | 16.7 (9.3, 26.4)     | 0.0015946 (0.0008928, 0.0025266) | 0.03033 (0.01756, 0.04635) |
| Kalimantan Timur | Malaria                                       | 70  | 1.0 (0.1, 3.5)       | 0.0000954 (0.0000114, 0.0003439) | 0.00149 (0.00018, 0.00517) | 0.5 (0.1, 1.6)       | 0.0000434 (0.0000049, 0.0001513) | 0.00082 (0.00009, 0.00288) |
| Kalimantan Timur | Tuberculosis                                  | 70  | 30.9 (19.2, 45.2)    | 0.0030107 (0.0018699, 0.0044027) | 0.04682 (0.03023, 0.06456) | 16.1 (9.2, 25.0)     | 0.0015349 (0.0008835, 0.0023855) | 0.02921 (0.01713, 0.04389) |
| Kalimantan Timur | Other communicable diseases                   | 70  | 10.3 (5.5, 17.2)     | 0.0010014 (0.0005379, 0.0016709) | 0.01557 (0.00869, 0.02494) | 9.7 (5.5, 15.5)      | 0.0009245 (0.0005218, 0.0014766) | 0.0176 (0.01001, 0.02786)  |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 70  | 9.5 (4.1, 19.2)      | 0.0009276 (0.0003957, 0.0018736) | 0.01441 (0.00648, 0.02747) | 2.2 (0.8, 4.9)       | 0.0002102 (0.0000805, 0.0004693) | 0.004 (0.00153, 0.00880)   |
| Kalimantan Timur | Breast cancer                                 | 70  | 0.3 (0.1, 0.8)       | 0.0000314 (0.0000093, 0.0000825) | 0.00049 (0.00014, 0.00128) | 5.2 (2.5, 8.9)       | 0.0005013 (0.0002419, 0.0008552) | 0.00954 (0.00471, 0.01651) |
| Kalimantan Timur | Cervical cancer                               | 70  |                      |                                  |                            | 7.2 (3.3, 12.3)      | 0.0006875 (0.0003131, 0.0011798) | 0.01308 (0.00619, 0.02249) |
| Kalimantan Timur | Other malignant neoplasms                     | 70  | 18.2 (12.3, 25.8)    | 0.0017735 (0.0011992, 0.0025167) | 0.02757 (0.01983, 0.03707) | 11.4 (6.6, 17.9)     | 0.0010936 (0.0006325, 0.0017078) | 0.02081 (0.01265, 0.03145) |
| Kalimantan Timur | Cerebrovascular disease                       | 70  | 158.0 (122.9, 196.5) | 0.015383 (0.0119641, 0.0191353)  | 0.23927 (0.20223, 0.27620) | 158.9 (131.7, 197.6) | 0.0151816 (0.0125857, 0.0188802) | 0.28893 (0.24964, 0.32807) |
| Kalimantan Timur | Ischemic heart disease                        | 70  | 127.1 (97.0, 162.2)  | 0.0123775 (0.0094419, 0.0157953) | 0.1924 (0.16012, 0.22727)  | 78.5 (60.9, 101.6)   | 0.0075052 (0.0058221, 0.0097110) | 0.14283 (0.11413, 0.17269) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 70  | 48.5 (32.5, 69.9)    | 0.0047244 (0.0031676, 0.0068062) | 0.07341 (0.05281, 0.10093) | 44.5 (29.5, 65.2)    | 0.0042569 (0.0028167, 0.0062323) | 0.08099 (0.05640, 0.11015) |
| Kalimantan Timur | Diabetes mellitus                             | 70  | 49.4 (34.8, 68.1)    | 0.0048077 (0.0033928, 0.0066349) | 0.07473 (0.05588, 0.09642) | 62.7 (45.8, 83.3)    | 0.0059952 (0.0043809, 0.0079623) | 0.11401 (0.08716, 0.14151) |
| Kalimantan Timur | Chronic kidney disease                        | 70  | 14.6 (8.9, 22.7)     | 0.0014241 (0.0008674, 0.0022065) | 0.02216 (0.01458, 0.03351) | 11.4 (7.3, 17.7)     | 0.00109 (0.0006998, 0.0016914)   | 0.02074 (0.01330, 0.03074) |
| Kalimantan Timur | Cirrhosis                                     | 70  | 17.0 (11.0, 24.6)    | 0.0016576 (0.0010675, 0.0023988) | 0.02578 (0.01735, 0.03522) | 10.0 (6.0, 15.2)     | 0.0009583 (0.0005776, 0.0014484) | 0.01823 (0.01150, 0.02679) |
| Kalimantan Timur | Chronic respiratory diseases                  | 70  | 66.2 (47.1, 90.4)    | 0.0064454 (0.0045870, 0.0087972) | 0.10022 (0.07518, 0.12562) | 34.9 (23.3, 48.2)    | 0.0033376 (0.0022234, 0.0046078) | 0.06352 (0.04500, 0.08299) |
| Kalimantan Timur | Other non-communicable diseases               | 70  | 50.1 (36.2, 66.4)    | 0.0048805 (0.0035287, 0.0064609) | 0.0759 (0.05957, 0.09535)  | 47.6 (35.7, 63.8)    | 0.0045452 (0.0034110, 0.0060938) | 0.08652 (0.06794, 0.10873) |
| Kalimantan Timur | Drowning                                      | 70  | 0.7 (0.2, 1.7)       | 0.0000711 (0.0000212, 0.0001702) | 0.00111 (0.00035, 0.00254) | 0.5 (0.2, 1.3)       | 0.0000507 (0.0000159, 0.0001233) | 0.00097 (0.00032, 0.00228) |
| Kalimantan Timur | Falls                                         | 70  | 7.7 (3.6, 13.7)      | 0.000745 (0.0003542, 0.0013345)  | 0.0116 (0.00552, 0.02062)  | 5.4 (2.6, 9.1)       | 0.0005143 (0.0002460, 0.0008724) | 0.00978 (0.00483, 0.01631) |
| Kalimantan Timur | Interpersonal violence                        | 70  | 0.3 (0.1, 0.7)       | 0.0000303 (0.0000103, 0.0000676) | 0.00047 (0.00016, 0.00104) | 0.1 (0.0, 0.4)       | 0.0000135 (0.0000039, 0.0000335) | 0.00026 (0.00007, 0.00065) |
| Kalimantan Timur | Self-harm                                     | 70  | 0.4 (0.2, 0.9)       | 0.0000437 (0.0000173, 0.0000912) | 0.00068 (0.00028, 0.00136) | 0.1 (0.0, 0.3)       | 0.0000138 (0.0000043, 0.0000318) | 0.00026 (0.00009, 0.00059) |
| Kalimantan Timur | Transport injuries                            | 70  | 11.7 (6.3, 18.7)     | 0.0011346 (0.0006089, 0.0018215) | 0.01764 (0.01024, 0.02749) | 4.7 (2.3, 8.1)       | 0.0004484 (0.0002211, 0.0007708) | 0.00853 (0.00429, 0.01396) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Other unintentional injuries                             | 70  | 3.7 (1.7, 6.8)       | 0.0003593 (0.0001671, 0.0006611) | 0.00559 (0.00263, 0.01038) | 1.5 (0.6, 2.8)       | 0.0001388 (0.0000558, 0.0002692) | 0.00264 (0.00109, 0.00517) |
| Kalimantan Timur | Diarrheal diseases                                       | 75  | 15.0 (8.9, 22.4)     | 0.0028418 (0.0016757, 0.0042410) | 0.03117 (0.01923, 0.04460) | 17.8 (11.2, 25.1)    | 0.0032907 (0.0020802, 0.0046524) | 0.04042 (0.02660, 0.05638) |
| Kalimantan Timur | HIV/AIDS                                                 | 75  | 0.2 (0.0, 0.6)       | 0.0000366 (0.0000079, 0.0001046) | 0.0004 (0.00009, 0.00116)  | 0.2 (0.0, 0.5)       | 0.0000031 (0.0000064, 0.0000950) | 0.00038 (0.00008, 0.00111) |
| Kalimantan Timur | Lower respiratory infections                             | 75  | 13.1 (7.1, 21.7)     | 0.0024825 (0.0013491, 0.0041073) | 0.02723 (0.01545, 0.04264) | 12.9 (7.4, 19.8)     | 0.0023843 (0.0013676, 0.0036656) | 0.02929 (0.01709, 0.04394) |
| Kalimantan Timur | Malaria                                                  | 75  | 0.7 (0.1, 2.7)       | 0.0001378 (0.0000170, 0.0005103) | 0.00152 (0.00018, 0.00537) | 0.4 (0.0, 1.4)       | 0.0000693 (0.0000079, 0.0002578) | 0.00085 (0.00010, 0.00315) |
| Kalimantan Timur | Tuberculosis                                             | 75  | 19.0 (11.3, 28.3)    | 0.0035919 (0.0021418, 0.0053426) | 0.03942 (0.02439, 0.05607) | 10.8 (6.1, 16.8)     | 0.002002 (0.0011346, 0.0031089)  | 0.02461 (0.01375, 0.03697) |
| Kalimantan Timur | Other communicable diseases                              | 75  | 7.3 (3.8, 12.1)      | 0.0013704 (0.0007116, 0.0022925) | 0.01504 (0.00829, 0.02426) | 6.9 (3.8, 11.1)      | 0.0012749 (0.0007012, 0.0020643) | 0.01567 (0.00873, 0.02559) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer                      | 75  | 5.5 (2.2, 11.0)      | 0.0010343 (0.0004241, 0.0020803) | 0.01134 (0.00483, 0.02265) | 1.3 (0.5, 3.1)       | 0.0002458 (0.0000933, 0.0005665) | 0.00302 (0.00116, 0.00668) |
| Kalimantan Timur | Breast cancer                                            | 75  | 0.1 (0.0, 0.4)       | 0.0000283 (0.0000076, 0.0000768) | 0.00031 (0.00009, 0.00081) | 3.0 (1.5, 5.3)       | 0.0005634 (0.0002731, 0.0009764) | 0.00692 (0.00339, 0.01202) |
| Kalimantan Timur | Cervical cancer                                          | 75  |                      |                                  |                            | 3.5 (1.4, 6.4)       | 0.0006493 (0.0002658, 0.0011836) | 0.00798 (0.00341, 0.01428) |
| Kalimantan Timur | Other malignant neoplasms                                | 75  | 10.1 (6.7, 14.7)     | 0.0019092 (0.0012655, 0.0027710) | 0.02094 (0.01483, 0.02851) | 8.5 (4.9, 13.2)      | 0.0015795 (0.0009149, 0.0024449) | 0.01941 (0.01163, 0.02901) |
| Kalimantan Timur | Cerebrovascular disease                                  | 75  | 116.2 (90.4, 145.0)  | 0.0219586 (0.0170915, 0.0274033) | 0.24098 (0.20443, 0.27942) | 127.4 (106.6, 156.1) | 0.0236075 (0.0197628, 0.0289240) | 0.29012 (0.25124, 0.32906) |
| Kalimantan Timur | Ischemic heart disease                                   | 75  | 100.8 (76.8, 129.4)  | 0.019043 (0.0145092, 0.0244599)  | 0.20882 (0.17374, 0.24535) | 69.4 (54.7, 87.8)    | 0.0128713 (0.0101358, 0.0162814) | 0.15817 (0.12697, 0.19046) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 75  | 36.5 (24.0, 52.9)    | 0.0068972 (0.0045438, 0.0099888) | 0.07561 (0.05395, 0.10284) | 37.4 (25.1, 53.1)    | 0.0069319 (0.0046611, 0.0098487) | 0.08515 (0.05922, 0.11508) |
| Kalimantan Timur | Diabetes mellitus                                        | 75  | 30.5 (21.2, 42.6)    | 0.0057705 (0.0039973, 0.0080555) | 0.06326 (0.04703, 0.08287) | 43.6 (32.0, 57.7)    | 0.0080779 (0.0059255, 0.0106974) | 0.0992 (0.07412, 0.12363)  |
| Kalimantan Timur | Chronic kidney disease                                   | 75  | 9.6 (5.9, 15.0)      | 0.0018115 (0.0011130, 0.0028295) | 0.01989 (0.01290, 0.03044) | 8.5 (5.5, 13.1)      | 0.0015719 (0.0010149, 0.0024199) | 0.01931 (0.01235, 0.02891) |
| Kalimantan Timur | Cirrhosis                                                | 75  | 11.0 (7.0, 15.9)     | 0.002075 (0.0013240, 0.0030072)  | 0.02277 (0.01521, 0.03113) | 6.9 (4.3, 10.2)      | 0.0012849 (0.0008030, 0.0018857) | 0.01579 (0.01006, 0.02249) |
| Kalimantan Timur | Chronic respiratory diseases                             | 75  | 47.4 (33.8, 64.2)    | 0.0089611 (0.0063850, 0.0121367) | 0.09832 (0.07411, 0.12329) | 27.7 (19.1, 37.1)    | 0.0051301 (0.0035382, 0.0068744) | 0.06305 (0.04527, 0.08244) |
| Kalimantan Timur | Other non-communicable diseases                          | 75  | 42.2 (30.4, 55.4)    | 0.0079768 (0.0057373, 0.0104751) | 0.08754 (0.06912, 0.10948) | 44.1 (33.5, 57.1)    | 0.008169 (0.0062076, 0.0105912)  | 0.1004 (0.07909, 0.12445)  |
| Kalimantan Timur | Drowning                                                 | 75  | 0.8 (0.2, 1.9)       | 0.0001461 (0.0000457, 0.0003621) | 0.0016 (0.00050, 0.00389)  | 0.5 (0.2, 1.2)       | 0.0000943 (0.0000283, 0.0002314) | 0.00116 (0.00035, 0.00286) |
| Kalimantan Timur | Falls                                                    | 75  | 6.8 (3.5, 11.7)      | 0.0012832 (0.0006565, 0.0022055) | 0.01409 (0.00746, 0.02382) | 4.6 (2.5, 7.5)       | 0.0008482 (0.0004609, 0.0013894) | 0.01042 (0.00578, 0.01691) |
| Kalimantan Timur | Interpersonal violence                                   | 75  | 0.2 (0.0, 0.5)       | 0.000033 (0.0000088, 0.0000863)  | 0.00036 (0.00010, 0.00096) | 0.1 (0.0, 0.2)       | 0.0000157 (0.0000039, 0.0000442) | 0.00019 (0.00005, 0.00054) |
| Kalimantan Timur | Self-harm                                                | 75  | 0.3 (0.1, 0.6)       | 0.0000574 (0.0000210, 0.0001191) | 0.00063 (0.00024, 0.00133) | 0.1 (0.0, 0.2)       | 0.0000202 (0.0000067, 0.0000457) | 0.00025 (0.00008, 0.00056) |
| Kalimantan Timur | Transport injuries                                       | 75  | 6.4 (3.2, 10.9)      | 0.0012181 (0.0006118, 0.0020578) | 0.01336 (0.00700, 0.02159) | 2.6 (1.2, 4.4)       | 0.0004752 (0.0002253, 0.0008247) | 0.00584 (0.00275, 0.00976) |
| Kalimantan Timur | Other unintentional injuries                             | 75  | 2.6 (1.1, 4.9)       | 0.0004919 (0.0002084, 0.0009310) | 0.0054 (0.00250, 0.01016)  | 1.1 (0.4, 2.1)       | 0.0001947 (0.0000799, 0.0003867) | 0.00239 (0.00101, 0.00461) |
| Kalimantan Timur | Diarrheal diseases                                       | 80  | 34.7 (22.9, 48.1)    | 0.0091677 (0.0060579, 0.0127181) | 0.05579 (0.03762, 0.07741) | 49.1 (33.5, 66.8)    | 0.0104198 (0.0071118, 0.0141685) | 0.06252 (0.04349, 0.08453) |
| Kalimantan Timur | HIV/AIDS                                                 | 80  | 0.3 (0.0, 0.8)       | 0.000068 (0.0000119, 0.0002176)  | 0.00041 (0.00007, 0.00127) | 0.3 (0.1, 1.0)       | 0.0000638 (0.0000110, 0.0002085) | 0.00038 (0.00007, 0.00121) |
| Kalimantan Timur | Lower respiratory infections                             | 80  | 20.8 (11.5, 32.9)    | 0.0055076 (0.0030514, 0.0087040) | 0.03351 (0.01900, 0.05198) | 26.1 (15.0, 39.1)    | 0.0055295 (0.0031831, 0.0082913) | 0.03318 (0.01943, 0.05048) |
| Kalimantan Timur | Malaria                                                  | 80  | 1.0 (0.1, 3.9)       | 0.0002634 (0.0000309, 0.0010208) | 0.00161 (0.00019, 0.00633) | 0.7 (0.1, 2.9)       | 0.0001548 (0.0000167, 0.0006122) | 0.00093 (0.00010, 0.00366) |
| Kalimantan Timur | Tuberculosis                                             | 80  | 21.5 (12.4, 32.7)    | 0.0056856 (0.0032905, 0.0086504) | 0.03461 (0.02052, 0.05265) | 19.1 (10.5, 30.2)    | 0.0040599 (0.0022365, 0.0063983) | 0.02436 (0.01356, 0.03799) |
| Kalimantan Timur | Other communicable diseases                              | 80  | 11.6 (6.3, 19.5)     | 0.0030779 (0.0016696, 0.0051486) | 0.01872 (0.01041, 0.03044) | 12.6 (7.0, 20.6)     | 0.0026703 (0.0014778, 0.0043602) | 0.01603 (0.00885, 0.02639) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer                      | 80  | 5.1 (2.0, 10.9)      | 0.0013534 (0.0005347, 0.0028870) | 0.00823 (0.00334, 0.01723) | 2.0 (0.7, 4.4)       | 0.0004193 (0.0001581, 0.0009360) | 0.00252 (0.00096, 0.00564) |
| Kalimantan Timur | Breast cancer                                            | 80  | 0.1 (0.0, 0.4)       | 0.0000351 (0.0000082, 0.0001046) | 0.00021 (0.00005, 0.00061) | 3.9 (1.7, 7.2)       | 0.0008174 (0.0003580, 0.0015274) | 0.00491 (0.00214, 0.00912) |
| Kalimantan Timur | Cervical cancer                                          | 80  |                      |                                  |                            | 3.5 (1.3, 6.7)       | 0.0007421 (0.0002695, 0.0014309) | 0.00445 (0.00169, 0.00865) |
| Kalimantan Timur | Other malignant neoplasms                                | 80  | 10.6 (6.9, 15.0)     | 0.002793 (0.0018365, 0.0039780)  | 0.01699 (0.01145, 0.02380) | 12.7 (7.6, 19.2)     | 0.0026992 (0.0016210, 0.0040652) | 0.01619 (0.00990, 0.02370) |
| Kalimantan Timur | Cerebrovascular disease                                  | 80  | 154.3 (125.5, 186.7) | 0.0408154 (0.0332024, 0.0493974) | 0.2484 (0.21136, 0.28852)  | 229.4 (196.9, 270.0) | 0.048651 (0.0417692, 0.0572716)  | 0.29194 (0.25394, 0.33353) |
| Kalimantan Timur | Ischemic heart disease                                   | 80  | 117.9 (92.0, 147.5)  | 0.0311823 (0.0243504, 0.0390216) | 0.1897 (0.15372, 0.22622)  | 124.4 (99.5, 153.3)  | 0.0263779 (0.0210942, 0.0325066) | 0.15829 (0.12656, 0.18971) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 80  | 44.5 (30.3, 62.9)    | 0.0117733 (0.0080113, 0.0166529) | 0.07161 (0.04963, 0.09884) | 63.0 (42.7, 88.3)    | 0.0133593 (0.0090565, 0.0187217) | 0.08015 (0.05477, 0.10944) |
| Kalimantan Timur | Diabetes mellitus                                        | 80  | 31.1 (22.2, 42.1)    | 0.0082165 (0.0058813, 0.0111366) | 0.04999 (0.03606, 0.06586) | 64.3 (47.3, 83.6)    | 0.0136431 (0.0100319, 0.0177360) | 0.08184 (0.06041, 0.10430) |
| Kalimantan Timur | Chronic kidney disease                                   | 80  | 9.8 (5.9, 15.5)      | 0.0025964 (0.0015617, 0.0040946) | 0.01581 (0.00980, 0.02467) | 13.0 (8.3, 20.7)     | 0.0027632 (0.0017622, 0.0043802) | 0.01658 (0.01048, 0.02553) |
| Kalimantan Timur | Cirrhosis                                                | 80  | 12.4 (8.0, 17.7)     | 0.0032725 (0.0021083, 0.0046762) | 0.01991 (0.01312, 0.02770) | 10.2 (6.5, 14.8)     | 0.00217 (0.0013753, 0.0031350)   | 0.01302 (0.00818, 0.01895) |
| Kalimantan Timur | Chronic respiratory diseases                             | 80  | 60.8 (44.9, 80.3)    | 0.0160801 (0.0118733, 0.0212334) | 0.09784 (0.07361, 0.12418) | 49.0 (35.1, 65.4)    | 0.0103966 (0.0074478, 0.0138762) | 0.06239 (0.04413, 0.08213) |
| Kalimantan Timur | Other non-communicable diseases                          | 80  | 61.4 (45.8, 78.2)    | 0.0162336 (0.0121071, 0.0206997) | 0.09888 (0.07734, 0.12431) | 87.4 (68.0, 111.5)   | 0.0185434 (0.0144131, 0.0236491) | 0.11128 (0.08808, 0.13873) |
| Kalimantan Timur | Drowning                                                 | 80  | 1.1 (0.3, 2.7)       | 0.0002836 (0.0000753, 0.0007275) | 0.00173 (0.00048, 0.00421) | 0.7 (0.2, 1.8)       | 0.0001514 (0.0000404, 0.0003756) | 0.00091 (0.00025, 0.00225) |
| Kalimantan Timur | Falls                                                    | 80  | 11.8 (6.5, 18.8)     | 0.0031307 (0.0017163, 0.0049816) | 0.01905 (0.01065, 0.03079) | 8.9 (5.1, 14.2)      | 0.0018944 (0.0010918, 0.0030163) | 0.01137 (0.00656, 0.01784) |
| Kalimantan Timur | Interpersonal violence                                   | 80  | 0.2 (0.0, 0.5)       | 0.0000405 (0.0000071, 0.0001238) | 0.00025 (0.00004, 0.00073) | 0.1 (0.0, 0.4)       | 0.0000238 (0.0000044, 0.0000765) | 0.00014 (0.00003, 0.00047) |
| Kalimantan Timur | Self-harm                                                | 80  | 0.3 (0.1, 0.7)       | 0.0000821 (0.0000283, 0.0001848) | 0.0005 (0.00018, 0.00115)  | 0.2 (0.1, 0.4)       | 0.0000376 (0.0000118, 0.0000886) | 0.00023 (0.00007, 0.00053) |
| Kalimantan Timur | Transport injuries                                       | 80  | 7.1 (3.3, 12.9)      | 0.0018882 (0.0008674, 0.0034141) | 0.01149 (0.00529, 0.01996) | 3.4 (1.4, 6.4)       | 0.0007312 (0.0002993, 0.0013475) | 0.00438 (0.00178, 0.00798) |
| Kalimantan Timur | Other unintentional injuries                             | 80  | 3.0 (1.2, 6.2)       | 0.0007914 (0.0003082, 0.0016282) | 0.00482 (0.00187, 0.00977) | 1.6 (0.6, 3.2)       | 0.0003381 (0.0001254, 0.0006873) | 0.00203 (0.00074, 0.00425) |
| Kalimantan Timur | Diarrheal diseases                                       | All | 191.2 (113.1, 280.5) | 0.0001129 (0.0000668, 0.0001657) | 0.01963 (0.01181, 0.02816) | 208.9 (132.9, 302.0) | 0.0001357 (0.0000863, 0.0001961) | 0.03048 (0.01960, 0.04269) |
| Kalimantan Timur | HIV/AIDS                                                 | All | 73.9 (24.4, 170.8)   | 0.0000437 (0.0000144, 0.0001009) | 0.00756 (0.00248, 0.01651) | 37.0 (11.5, 85.3)    | 0.000024 (0.0000075, 0.0000554)  | 0.00537 (0.00170, 0.01171) |
| Kalimantan Timur | Lower respiratory infections                             | All | 238.7 (141.8, 366.1) | 0.000141 (0.0000838, 0.0002162)  | 0.0245 (0.01508, 0.03609)  | 178.6 (105.2, 264.3) | 0.000116 (0.0000702, 0.0001716)  | 0.02605 (0.01634, 0.03762) |
| Kalimantan Timur | Malaria                                                  | All | 23.6 (3.3, 78.2)     | 0.0000139 (0.0000019, 0.0000462) | 0.00243 (0.00035, 0.00769) | 11.2 (1.4, 35.6)     | 0.0000073 (0.0000009, 0.0000231) | 0.00163 (0.00022, 0.00516) |
| Kalimantan Timur | Tuberculosis                                             | All | 522.8 (341.5, 753.2) | 0.0003088 (0.0002017, 0.0004449) | 0.05359 (0.03624, 0.07243) | 228.3 (140.5, 343.6) | 0.0001482 (0.0000912, 0.0002231) | 0.03323 (0.02115, 0.04749) |
| Kalimantan Timur | Maternal disorders                                       | All |                      |                                  |                            | 78.1 (53.6, 106.8)   | 0.0000507 (0.0000348, 0.0000694) | 0.01136 (0.00837, 0.01495) |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 59.3 (24.0, 109.3)   | 0.000035 (0.0000142, 0.0000646)  | 0.00611 (0.00253, 0.01153) | 38.3 (15.9, 76.1)    | 0.0000249 (0.0000103, 0.0000494) | 0.0056 (0.00237, 0.01102)  |
| Kalimantan Timur | Preterm birth complications                              | All | 100.3 (43.2, 178.6)  | 0.0000593 (0.0000255, 0.0001055) | 0.01031 (0.00454, 0.01853) | 88.6 (40.9, 158.2)   | 0.0000575 (0.0000266, 0.0001027) | 0.01294 (0.00588, 0.02322) |
| Kalimantan Timur | Other neonatal disorders                                 | All | 67.3 (23.2, 137.0)   | 0.0000397 (0.0000137, 0.0000809) | 0.00692 (0.00234, 0.01433) | 44.0 (15.8, 88.3)    | 0.0000286 (0.0000102, 0.0000573) | 0.00642 (0.00228, 0.01319) |
| Kalimantan Timur | Other communicable diseases                              | All | 345.0 (232.3, 494.6) | 0.0002038 (0.0001372, 0.0002921) | 0.03545 (0.02390, 0.04863) | 231.9 (158.5, 330.2) | 0.0001506 (0.0001029, 0.0002144) | 0.03384 (0.02295, 0.04603) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer                      | All | 140.9 (65.6, 270.6)  | 0.0000832 (0.0000388, 0.0001599) | 0.01442 (0.00698, 0.02617) | 42.5 (18.9, 85.1)    | 0.0000276 (0.0000123, 0.0000552) | 0.00618 (0.00289, 0.01184) |
| Kalimantan Timur | Breast cancer                                            | All | 7.6 (2.9, 17.0)      | 0.0000045 (0.0000017, 0.0000102) | 0.00077 (0.00031, 0.00173) | 245.8 (144.4, 375.1) | 0.0001596 (0.0000937, 0.0002435) | 0.03573 (0.02140, 0.05144) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                      |                                  |                               | Females                    |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|-------------------------------|----------------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                   | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Timur | Cervical cancer                                          | All |                            |                                  |                               | 195.8 (100.0, 317.4)       | 0.0001271 (0.0000650, 0.0002061) | 0.02848 (0.01546, 0.04590) |
| Kalimantan Timur | Other malignant neoplasms                                | All | 587.0 (407.4, 800.8)       | 0.0003467 (0.0002406, 0.0004730) | 0.06012 (0.04415, 0.07711)    | 268.2 (161.6, 401.9)       | 0.0001741 (0.0001049, 0.0002609) | 0.03903 (0.02543, 0.05584) |
| Kalimantan Timur | Cerebrovascular disease                                  | All | 1,473.1 (1,133.1, 1,876.2) | 0.0008701 (0.0006693, 0.0011082) | 0.15096 (0.12571, 0.17717)    | 1,291.8 (1,050.7, 1,634.0) | 0.0008388 (0.0006822, 0.0010610) | 0.18825 (0.16096, 0.21628) |
| Kalimantan Timur | Ischemic heart disease                                   | All | 1,561.5 (1,191.8, 2,006.4) | 0.0009223 (0.0007039, 0.0011851) | 0.15986 (0.13367, 0.18731)    | 798.3 (620.4, 1,034.8)     | 0.0005183 (0.0004029, 0.0006719) | 0.1163 (0.09384, 0.13991)  |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | All | 467.7 (308.8, 694.8)       | 0.0002762 (0.0001824, 0.0004104) | 0.0479 (0.03428, 0.06647)     | 399.1 (266.9, 581.7)       | 0.0002592 (0.0001733, 0.0003777) | 0.05813 (0.04063, 0.07905) |
| Kalimantan Timur | Diabetes mellitus                                        | All | 777.5 (560.6, 1,049.8)     | 0.0004592 (0.0003311, 0.0006200) | 0.07955 (0.06078, 0.09968)    | 795.0 (592.5, 1,046.4)     | 0.0005162 (0.0003847, 0.0006794) | 0.11568 (0.09094, 0.14049) |
| Kalimantan Timur | Chronic kidney disease                                   | All | 288.3 (179.5, 433.6)       | 0.0001703 (0.0001060, 0.0002561) | 0.02955 (0.01955, 0.04286)    | 198.2 (130.8, 295.3)       | 0.0001287 (0.0000850, 0.0001918) | 0.02884 (0.01926, 0.04109) |
| Kalimantan Timur | Cirrhosis                                                | All | 383.8 (253.7, 544.1)       | 0.0002267 (0.0001498, 0.0003214) | 0.03931 (0.02702, 0.05271)    | 164.6 (101.9, 237.7)       | 0.0001069 (0.0000661, 0.0001544) | 0.02396 (0.01583, 0.03381) |
| Kalimantan Timur | Chronic respiratory diseases                             | All | 560.8 (389.7, 788.2)       | 0.0003312 (0.0002302, 0.0004655) | 0.05745 (0.04148, 0.07456)    | 279.1 (189.4, 384.2)       | 0.0001812 (0.0001230, 0.0002495) | 0.04067 (0.02847, 0.05436) |
| Kalimantan Timur | Other non-communicable diseases                          | All | 768.5 (589.2, 981.8)       | 0.0004539 (0.0003480, 0.0005799) | 0.07883 (0.06319, 0.09585)    | 658.4 (519.1, 846.0)       | 0.0004275 (0.0003370, 0.0005494) | 0.09598 (0.07894, 0.11563) |
| Kalimantan Timur | Drowning                                                 | All | 64.4 (31.0, 113.9)         | 0.000038 (0.0000183, 0.0000673)  | 0.00664 (0.00321, 0.01198)    | 22.2 (10.4, 42.6)          | 0.0000144 (0.0000068, 0.0000277) | 0.00324 (0.00149, 0.00609) |
| Kalimantan Timur | Falls                                                    | All | 125.2 (61.3, 229.2)        | 0.000074 (0.0000362, 0.0001354)  | 0.01285 (0.00627, 0.02334)    | 63.1 (30.7, 112.1)         | 0.000041 (0.0000199, 0.0000728)  | 0.0092 (0.00466, 0.01612)  |
| Kalimantan Timur | Interpersonal violence                                   | All | 36.0 (18.2, 61.1)          | 0.0000212 (0.0000107, 0.0000361) | 0.00369 (0.00192, 0.00614)    | 18.2 (8.7, 32.7)           | 0.0000118 (0.0000056, 0.0000212) | 0.00266 (0.00131, 0.00462) |
| Kalimantan Timur | Self-harm                                                | All | 23.7 (10.2, 45.5)          | 0.000014 (0.0000060, 0.0000269)  | 0.00244 (0.00106, 0.00456)    | 9.4 (3.9, 18.7)            | 0.0000061 (0.0000025, 0.0000121) | 0.00137 (0.00058, 0.00262) |
| Kalimantan Timur | Transport injuries                                       | All | 704.5 (502.5, 959.7)       | 0.0004161 (0.0002968, 0.0005668) | 0.07228 (0.05348, 0.09363)    | 215.0 (142.3, 313.6)       | 0.0001396 (0.0000924, 0.0002037) | 0.03129 (0.02127, 0.04333) |
| Kalimantan Timur | Other unintentional injuries                             | All | 164.3 (90.3, 272.4)        | 0.0000971 (0.0000533, 0.0001609) | 0.01688 (0.00943, 0.02798)    | 55.4 (28.1, 96.0)          | 0.000036 (0.0000183, 0.0000623)  | 0.00808 (0.00436, 0.01397) |
| Kalimantan Utara | Diarrheal diseases                                       | NN  | 0.9 (0.2, 2.1)             | 0.0016339 (0.0003997, 0.0039557) | 0.01048 (0.00344, 0.02261)    | 0.7 (0.2, 1.7)             | 0.001385 (0.0003805, 0.0032730)  | 0.01148 (0.00407, 0.02308) |
| Kalimantan Utara | Lower respiratory infections                             | NN  | 6.3 (2.2, 14.2)            | 0.0118785 (0.0041680, 0.0266495) | 0.07595 (0.03980, 0.13647)    | 3.9 (1.4, 8.3)             | 0.0072842 (0.0026286, 0.0155430) | 0.06007 (0.03203, 0.11010) |
| Kalimantan Utara | Malaria                                                  | NN  | - (0.0, 0.2)               | 0.0000369 (0.0000006, 0.0002900) | 0.00024 (0.0000000, 0.000186) | - (0.0, 0.1)               | 0.0000257 (0.0000000, 0.0002132) | 0.0002 (0.00000, 0.00149)  |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 11.7 (4.3, 23.5)           | 0.021872 (0.0081129, 0.0439118)  | 0.14049 (0.07675, 0.22032)    | 7.8 (2.9, 16.5)            | 0.0146136 (0.0055459, 0.0310237) | 0.12018 (0.06537, 0.19350) |
| Kalimantan Utara | Preterm birth complications                              | NN  | 32.8 (13.6, 58.2)          | 0.0613204 (0.0253839, 0.1089207) | 0.39167 (0.25252, 0.51221)    | 28.3 (12.6, 50.9)          | 0.053344 (0.0236417, 0.0958149)  | 0.43768 (0.29898, 0.54571) |
| Kalimantan Utara | Other neonatal disorders                                 | NN  | 9.4 (2.0, 24.8)            | 0.0176643 (0.0038331, 0.0465079) | 0.11417 (0.02733, 0.28144)    | 6.2 (1.1, 16.9)            | 0.0116272 (0.0020913, 0.0318248) | 0.09705 (0.02100, 0.25120) |
| Kalimantan Utara | Other communicable diseases                              | NN  | 1.5 (0.5, 3.4)             | 0.0027455 (0.0008575, 0.0064018) | 0.01752 (0.00785, 0.03492)    | 0.9 (0.3, 2.0)             | 0.0016311 (0.0005059, 0.0037827) | 0.01342 (0.00559, 0.02762) |
| Kalimantan Utara | Other malignant neoplasms                                | NN  | 0.9 (0.2, 2.4)             | 0.0017684 (0.0004521, 0.0044617) | 0.01133 (0.00415, 0.02481)    | 0.8 (0.2, 2.2)             | 0.0015205 (0.0003881, 0.0041599) | 0.01244 (0.00449, 0.02806) |
| Kalimantan Utara | Cerebrovascular disease                                  | NN  | 0.4 (0.1, 1.0)             | 0.0006696 (0.0001371, 0.0019491) | 0.0043 (0.00113, 0.01122)     | 0.4 (0.1, 1.1)             | 0.0007132 (0.0001446, 0.0021098) | 0.00586 (0.00157, 0.01522) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | NN  | 0.2 (0.0, 0.5)             | 0.0003052 (0.0000381, 0.0010073) | 0.00197 (0.00031, 0.00602)    | 0.2 (0.0, 0.6)             | 0.0003162 (0.0000421, 0.0011134) | 0.00259 (0.00041, 0.00774) |
| Kalimantan Utara | Diabetes mellitus                                        | NN  | 0.1 (0.0, 0.5)             | 0.0001038 (0.0000004, 0.0009444) | 0.00067 (0.00000, 0.00570)    | 0.2 (0.0, 1.8)             | 0.0004034 (0.0000020, 0.0033900) | 0.00328 (0.00002, 0.02500) |
| Kalimantan Utara | Other non-communicable diseases                          | NN  | 14.6 (6.5, 25.4)           | 0.0273271 (0.0121084, 0.0476166) | 0.17533 (0.12264, 0.22948)    | 13.7 (6.2, 24.3)           | 0.0258529 (0.0117069, 0.0456944) | 0.21368 (0.15101, 0.27199) |
| Kalimantan Utara | Drowning                                                 | NN  | 0.5 (0.1, 1.5)             | 0.0009167 (0.0001444, 0.0028892) | 0.00588 (0.00130, 0.01694)    | 0.1 (0.0, 0.4)             | 0.0001881 (0.0000311, 0.0007105) | 0.00163 (0.00035, 0.00515) |
| Kalimantan Utara | Falls                                                    | NN  | 0.4 (0.1, 1.2)             | 0.0007726 (0.0001257, 0.0023322) | 0.00493 (0.00110, 0.01431)    | 0.1 (0.0, 0.4)             | 0.0002313 (0.0000401, 0.0007705) | 0.00193 (0.00041, 0.00612) |
| Kalimantan Utara | Interpersonal violence                                   | NN  | 0.4 (0.1, 1.1)             | 0.0006902 (0.0001232, 0.0020816) | 0.00446 (0.00105, 0.01249)    | 0.2 (0.0, 0.7)             | 0.0003857 (0.0000649, 0.0012273) | 0.00316 (0.00071, 0.00891) |
| Kalimantan Utara | Transport injuries                                       | NN  | 0.8 (0.1, 2.2)             | 0.0014163 (0.0002569, 0.0040563) | 0.00902 (0.00226, 0.02328)    | 0.2 (0.0, 0.5)             | 0.0003278 (0.0000535, 0.0009971) | 0.00268 (0.00059, 0.00750) |
| Kalimantan Utara | Other unintentional injuries                             | NN  | 2.6 (0.7, 6.2)             | 0.0049552 (0.0012967, 0.0115711) | 0.0316 (0.01179, 0.06581)     | 0.8 (0.2, 2.0)             | 0.0015338 (0.0004335, 0.0038231) | 0.01267 (0.00437, 0.02818) |
| Kalimantan Utara | Diarrheal diseases                                       | PNN | 10.1 (3.2, 21.6)           | 0.0015187 (0.0004799, 0.0032337) | 0.1822 (0.07738, 0.30813)     | 10.6 (3.7, 21.7)           | 0.001592 (0.0005633, 0.0032672)  | 0.22406 (0.10472, 0.35720) |
| Kalimantan Utara | HIV/AIDS                                                 | PNN | 0.8 (0.1, 3.3)             | 0.0001235 (0.0000106, 0.0004898) | 0.01469 (0.00153, 0.05421)    | 0.6 (0.1, 2.3)             | 0.0000894 (0.0000080, 0.0003545) | 0.01263 (0.00140, 0.04731) |
| Kalimantan Utara | Lower respiratory infections                             | PNN | 5.5 (1.9, 11.8)            | 0.0008238 (0.0002806, 0.0017728) | 0.09907 (0.04290, 0.17456)    | 3.9 (1.2, 8.7)             | 0.0005852 (0.0001820, 0.0013141) | 0.08261 (0.03564, 0.15046) |
| Kalimantan Utara | Malaria                                                  | PNN | 0.2 (0.0, 1.5)             | 0.000032 (0.0000007, 0.0002294)  | 0.00402 (0.00009, 0.02803)    | 0.2 (0.0, 1.3)             | 0.0000271 (0.0000005, 0.0001998) | 0.00384 (0.00008, 0.02822) |
| Kalimantan Utara | Tuberculosis                                             | PNN | 1.0 (0.1, 3.7)             | 0.0001505 (0.0000221, 0.0005479) | 0.01794 (0.00328, 0.05852)    | 0.8 (0.1, 2.9)             | 0.0001173 (0.0000172, 0.0004376) | 0.01653 (0.00288, 0.05222) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 0.3 (0.1, 0.8)             | 0.0000424 (0.0000095, 0.0001188) | 0.0051 (0.00144, 0.01281)     | 0.2 (0.0, 0.6)             | 0.0000321 (0.0000069, 0.0000946) | 0.00455 (0.00128, 0.01161) |
| Kalimantan Utara | Preterm birth complications                              | PNN | 3.5 (0.8, 8.7)             | 0.0005251 (0.0001252, 0.0012990) | 0.06264 (0.02032, 0.13239)    | 3.9 (1.0, 9.9)             | 0.0005928 (0.0001582, 0.0014916) | 0.08258 (0.02881, 0.16725) |
| Kalimantan Utara | Other neonatal disorders                                 | PNN | 1.2 (0.2, 4.8)             | 0.0001812 (0.0000244, 0.0007243) | 0.02151 (0.00340, 0.09171)    | 0.9 (0.1, 3.9)             | 0.000136 (0.0000168, 0.0005852)  | 0.01898 (0.00260, 0.08203) |
| Kalimantan Utara | Other communicable diseases                              | PNN | 18.7 (8.2, 34.8)           | 0.0028024 (0.0012374, 0.0052201) | 0.3357 (0.21486, 0.45706)     | 13.6 (5.2, 26.0)           | 0.0020557 (0.0007835, 0.0039284) | 0.28917 (0.17741, 0.42282) |
| Kalimantan Utara | Other malignant neoplasms                                | PNN | 0.6 (0.2, 1.4)             | 0.0000866 (0.0000244, 0.0002081) | 0.01038 (0.00377, 0.02203)    | 0.5 (0.2, 1.4)             | 0.0000819 (0.0000228, 0.0002049) | 0.01146 (0.00414, 0.02492) |
| Kalimantan Utara | Cerebrovascular disease                                  | PNN | 0.2 (0.0, 0.7)             | 0.0000329 (0.0000067, 0.0000979) | 0.00395 (0.00101, 0.01059)    | 0.3 (0.1, 0.7)             | 0.0000382 (0.0000084, 0.0001020) | 0.00504 (0.00142, 0.01380) |
| Kalimantan Utara | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.5)             | 0.0000154 (0.0000007, 0.0000776) | 0.0018 (0.00010, 0.00853)     | 0.1 (0.0, 0.6)             | 0.0000175 (0.0000009, 0.0000896) | 0.00245 (0.00014, 0.01180) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | PNN | 0.1 (0.0, 0.3)             | 0.000015 (0.0000020, 0.0000517)  | 0.00179 (0.00028, 0.00536)    | 0.1 (0.0, 0.4)             | 0.000017 (0.0000022, 0.0000626)  | 0.00237 (0.00037, 0.00734) |
| Kalimantan Utara | Diabetes mellitus                                        | PNN | - (0.0, 0.3)               | 0.0000052 (0.0000000, 0.0000453) | 0.00062 (0.00000, 0.00523)    | 0.1 (0.0, 1.2)             | 0.0000225 (0.0000001, 0.0001826) | 0.00306 (0.00002, 0.02341) |
| Kalimantan Utara | Chronic kidney disease                                   | PNN | 0.9 (0.3, 2.2)             | 0.0001392 (0.0000378, 0.0003296) | 0.01672 (0.00632, 0.03632)    | 1.0 (0.3, 2.4)             | 0.0001434 (0.0000383, 0.0003593) | 0.02014 (0.00739, 0.04528) |
| Kalimantan Utara | Other non-communicable diseases                          | PNN | 8.8 (4.0, 16.0)            | 0.0013274 (0.0006040, 0.0024056) | 0.15945 (0.11013, 0.21133)    | 9.2 (4.0, 16.5)            | 0.0013834 (0.0006092, 0.0024947) | 0.19529 (0.13722, 0.25400) |
| Kalimantan Utara | Drowning                                                 | PNN | 0.4 (0.1, 1.2)             | 0.000057 (0.0000095, 0.0001751)  | 0.00685 (0.00158, 0.01936)    | 0.1 (0.0, 0.3)             | 0.0000138 (0.0000024, 0.0000485) | 0.00193 (0.00043, 0.00591) |
| Kalimantan Utara | Falls                                                    | PNN | 0.3 (0.1, 0.9)             | 0.0000461 (0.0000088, 0.0001339) | 0.00552 (0.00130, 0.01572)    | 0.1 (0.0, 0.3)             | 0.0000155 (0.0000029, 0.0000501) | 0.00218 (0.00047, 0.00680) |
| Kalimantan Utara | Interpersonal violence                                   | PNN | 0.3 (0.1, 0.8)             | 0.0000406 (0.0000078, 0.0001247) | 0.00488 (0.00121, 0.01350)    | 0.2 (0.0, 0.5)             | 0.0000251 (0.0000044, 0.0000788) | 0.0035 (0.00079, 0.00988)  |
| Kalimantan Utara | Transport injuries                                       | PNN | 0.6 (0.1, 1.6)             | 0.0000866 (0.0000184, 0.0002407) | 0.01037 (0.00269, 0.02620)    | 0.1 (0.0, 0.5)             | 0.0000223 (0.0000043, 0.0000743) | 0.00312 (0.00069, 0.00849) |
| Kalimantan Utara | Other unintentional injuries                             | PNN | 1.9 (0.5, 4.5)             | 0.0002919 (0.0000806, 0.0006733) | 0.03481 (0.01343, 0.07024)    | 0.7 (0.2, 1.7)             | 0.0001005 (0.0000294, 0.0002578) | 0.01414 (0.00494, 0.03113) |
| Kalimantan Utara | Diarrheal diseases                                       | 1   | 2.2 (0.6, 5.5)             | 0.0000822 (0.0000218, 0.0002058) | 0.09812 (0.03806, 0.17883)    | 2.4 (0.8, 5.5)             | 0.0000911 (0.0000294, 0.0002052) | 0.13338 (0.05307, 0.22911) |
| Kalimantan Utara | HIV/AIDS                                                 | 1   | 0.4 (0.0, 1.6)             | 0.0000147 (0.0000012, 0.0000610) | 0.01796 (0.00194, 0.06613)    | 0.3 (0.0, 1.3)             | 0.0000119 (0.0000010, 0.0000490) | 0.01783 (0.00197, 0.06617) |
| Kalimantan Utara | Lower respiratory infections                             | 1   | 2.7 (0.7, 6.5)             | 0.0001007 (0.0000247, 0.0002426) | 0.11969 (0.04444, 0.20346)    | 2.1 (0.6, 5.1)             | 0.000079 (0.0000213, 0.0001922)  | 0.11473 (0.04490, 0.19863) |
| Kalimantan Utara | Malaria                                                  | 1   | - (0.0, 0.3)               | 0.0000016 (0.0000000, 0.0000126) | 0.00175 (0.00004, 0.01312)    | - (0.0, 0.3)               | 0.0000014 (0.0000000, 0.0000105) | 0.00184 (0.00004, 0.01381) |
| Kalimantan Utara | Tuberculosis                                             | 1   | 0.5 (0.1, 1.8)             | 0.0000194 (0.0000027, 0.0000660) | 0.0228 (0.00473, 0.07112)     | 0.4 (0.1, 1.6)             | 0.0000168 (0.0000024, 0.0000598) | 0.02438 (0.00462, 0.07745) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males           |                                   |                            | Females         |                                  |                            |
|------------------|----------------------------------------------------------|-----|-----------------|-----------------------------------|----------------------------|-----------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI) | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.1 (0.0, 0.2)  | 0.0000028 (0.0000005, 0.0000087)  | 0.00331 (0.00089, 0.00869) | 0.1 (0.0, 0.2)  | 0.0000021 (0.0000004, 0.0000063) | 0.00313 (0.00084, 0.00785) |
| Kalimantan Utara | Preterm birth complications                              | 1   | 0.2 (0.0, 0.6)  | 0.0000065 (0.0000008, 0.0000231)  | 0.008 (0.00133, 0.02692)   | 0.2 (0.0, 0.7)  | 0.0000077 (0.0000010, 0.0000268) | 0.01132 (0.00195, 0.03727) |
| Kalimantan Utara | Other neonatal disorders                                 | 1   | - (0.0, 0.3)    | 0.0000015 (0.0000000, 0.0000113)  | 0.00186 (0.00001, 0.01278) | - (0.0, 0.2)    | 0.0000012 (0.0000000, 0.0000090) | 0.00174 (0.00001, 0.01205) |
| Kalimantan Utara | Other communicable diseases                              | 1   | 8.4 (2.9, 17.7) | 0.0003111 (0.0001076, 0.0006573)  | 0.37011 (0.26463, 0.47547) | 6.6 (2.6, 14.0) | 0.0002464 (0.0000981, 0.0005268) | 0.35963 (0.24742, 0.47524) |
| Kalimantan Utara | Other malignant neoplasms                                | 1   | 0.2 (0.0, 0.6)  | 0.0000074 (0.0000017, 0.0000205)  | 0.00888 (0.00295, 0.01929) | 0.2 (0.1, 0.5)  | 0.0000078 (0.0000020, 0.0000205) | 0.01139 (0.00393, 0.02501) |
| Kalimantan Utara | Cerebrovascular disease                                  | 1   | 0.1 (0.0, 0.3)  | 0.0000031 (0.0000005, 0.0000094)  | 0.00368 (0.00088, 0.00972) | 0.0 (0.0, 0.3)  | 0.000004 (0.0000008, 0.0000121)  | 0.00585 (0.00152, 0.01487) |
| Kalimantan Utara | Ischemic heart disease                                   | 1   | - (0.0, 0.2)    | 0.0000014 (0.0000001, 0.0000071)  | 0.00171 (0.00010, 0.00835) | - (0.0, 0.2)    | 0.0000019 (0.0000001, 0.0000089) | 0.00271 (0.00016, 0.01285) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 1   | - (0.0, 0.1)    | 0.0000013 (0.0000001, 0.0000043)  | 0.00156 (0.00022, 0.00474) | - (0.0, 0.1)    | 0.0000016 (0.0000002, 0.0000053) | 0.0024 (0.00037, 0.00726)  |
| Kalimantan Utara | Diabetes mellitus                                        | 1   | - (0.0, 0.1)    | 0.0000004 (0.0000000, 0.0000032)  | 0.00053 (0.00000, 0.00444) | 0.1 (0.0, 0.4)  | 0.000002 (0.0000000, 0.0000149)  | 0.00308 (0.00002, 0.02261) |
| Kalimantan Utara | Chronic kidney disease                                   | 1   | 0.3 (0.1, 0.9)  | 0.0000116 (0.0000028, 0.0000329)  | 0.01378 (0.00532, 0.03057) | 0.4 (0.1, 1.0)  | 0.0000133 (0.0000034, 0.0000363) | 0.01933 (0.00714, 0.04388) |
| Kalimantan Utara | Cirrhosis                                                | 1   | 0.2 (0.0, 0.6)  | 0.0000076 (0.0000016, 0.0000214)  | 0.00895 (0.00301, 0.02001) | 0.1 (0.0, 0.4)  | 0.0000051 (0.0000008, 0.0000147) | 0.00731 (0.00182, 0.01874) |
| Kalimantan Utara | Chronic respiratory diseases                             | 1   | 0.5 (0.1, 1.6)  | 0.0000204 (0.0000042, 0.0000594)  | 0.02444 (0.00659, 0.05640) | 0.3 (0.0, 0.8)  | 0.0000101 (0.0000017, 0.0000314) | 0.01466 (0.00337, 0.03747) |
| Kalimantan Utara | Other non-communicable diseases                          | 1   | 3.1 (1.0, 7.0)  | 0.0001143 (0.0000373, 0.0002613)  | 0.13624 (0.08586, 0.19262) | 3.5 (1.3, 7.4)  | 0.000133 (0.0000504, 0.0002764)  | 0.19387 (0.12982, 0.26139) |
| Kalimantan Utara | Drowning                                                 | 1   | 0.5 (0.1, 1.5)  | 0.0000204 (0.0000041, 0.0000572)  | 0.02457 (0.00656, 0.06210) | 0.2 (0.0, 0.5)  | 0.0000056 (0.0000010, 0.0000180) | 0.00827 (0.00199, 0.02275) |
| Kalimantan Utara | Falls                                                    | 1   | 0.3 (0.1, 1.1)  | 0.0000117 (0.0000020, 0.0000393)  | 0.01377 (0.00375, 0.03793) | 0.1 (0.0, 0.4)  | 0.0000045 (0.0000008, 0.0000145) | 0.00646 (0.00154, 0.01924) |
| Kalimantan Utara | Interpersonal violence                                   | 1   | 0.2 (0.0, 0.7)  | 0.0000084 (0.0000014, 0.0000252)  | 0.01006 (0.00271, 0.02503) | 0.2 (0.0, 0.5)  | 0.0000059 (0.0000010, 0.0000176) | 0.00852 (0.00205, 0.02180) |
| Kalimantan Utara | Transport injuries                                       | 1   | 0.7 (0.1, 2.1)  | 0.0000272 (0.0000054, 0.0000792)  | 0.0327 (0.01056, 0.07482)  | 0.2 (0.0, 0.7)  | 0.0000081 (0.0000015, 0.0000248) | 0.01178 (0.00310, 0.03056) |
| Kalimantan Utara | Other unintentional injuries                             | 1   | 1.7 (0.4, 4.4)  | 0.0000063 (0.0000016, 0.00001625) | 0.07553 (0.02938, 0.13999) | 0.7 (0.2, 1.7)  | 0.0000248 (0.0000067, 0.0000624) | 0.03641 (0.01252, 0.07509) |
| Kalimantan Utara | Diarrheal diseases                                       | 5   | 1.4 (0.5, 2.6)  | 0.0000411 (0.0000150, 0.0000787)  | 0.06212 (0.02337, 0.11802) | 1.2 (0.5, 2.1)  | 0.0000389 (0.0000159, 0.0000710) | 0.09009 (0.03677, 0.16100) |
| Kalimantan Utara | HIV/AIDS                                                 | 5   | 0.2 (0.0, 0.7)  | 0.0000051 (0.0000004, 0.0000197)  | 0.00775 (0.00058, 0.02908) | 0.1 (0.0, 0.4)  | 0.0000035 (0.0000003, 0.0000138) | 0.00816 (0.00060, 0.03124) |
| Kalimantan Utara | Lower respiratory infections                             | 5   | 1.1 (0.3, 2.1)  | 0.0000322 (0.0000101, 0.0000622)  | 0.04869 (0.01540, 0.09373) | 0.7 (0.2, 1.3)  | 0.0000215 (0.0000067, 0.0000418) | 0.04999 (0.01609, 0.09719) |
| Kalimantan Utara | Malaria                                                  | 5   | - (0.0, 0.2)    | 0.0000008 (0.0000000, 0.0000061)  | 0.00113 (0.00002, 0.00967) | - (0.0, 0.1)    | 0.0000005 (0.0000000, 0.0000043) | 0.00125 (0.00003, 0.00982) |
| Kalimantan Utara | Tuberculosis                                             | 5   | 0.3 (0.1, 0.9)  | 0.0000086 (0.0000017, 0.0000264)  | 0.01301 (0.00253, 0.04203) | 0.2 (0.0, 0.6)  | 0.0000064 (0.0000013, 0.0000198) | 0.01481 (0.00304, 0.04568) |
| Kalimantan Utara | Other communicable diseases                              | 5   | 5.1 (3.2, 7.2)  | 0.0001538 (0.0000952, 0.0002165)  | 0.23286 (0.14895, 0.32541) | 3.1 (1.9, 4.5)  | 0.0001039 (0.0000642, 0.0001483) | 0.24104 (0.15143, 0.34355) |
| Kalimantan Utara | Other malignant neoplasms                                | 5   | 1.1 (0.4, 2.1)  | 0.0000332 (0.0000135, 0.0000643)  | 0.05028 (0.02059, 0.09769) | 0.8 (0.3, 1.5)  | 0.0000274 (0.0000115, 0.0000511) | 0.06366 (0.02715, 0.11939) |
| Kalimantan Utara | Cerebrovascular disease                                  | 5   | 0.3 (0.1, 0.7)  | 0.0000093 (0.0000029, 0.0000208)  | 0.01411 (0.00443, 0.03086) | 0.3 (0.1, 0.6)  | 0.0000094 (0.0000033, 0.0000202) | 0.02191 (0.00764, 0.04695) |
| Kalimantan Utara | Ischemic heart disease                                   | 5   | 0.2 (0.0, 0.4)  | 0.0000005 (0.0000014, 0.0000121)  | 0.00753 (0.00218, 0.01926) | 0.2 (0.0, 0.4)  | 0.000005 (0.0000014, 0.0000119)  | 0.01158 (0.00332, 0.02757) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 5   | 0.2 (0.0, 0.4)  | 0.0000046 (0.0000009, 0.0000125)  | 0.0069 (0.00146, 0.01913)  | 0.1 (0.0, 0.4)  | 0.0000044 (0.0000010, 0.0000123) | 0.01017 (0.00237, 0.02791) |
| Kalimantan Utara | Diabetes mellitus                                        | 5   | 0.1 (0.0, 0.3)  | 0.0000041 (0.0000012, 0.0000103)  | 0.00619 (0.00188, 0.01520) | 0.5 (0.2, 1.2)  | 0.0000167 (0.0000051, 0.0000397) | 0.03862 (0.01235, 0.09062) |
| Kalimantan Utara | Chronic kidney disease                                   | 5   | 0.6 (0.2, 1.2)  | 0.0000182 (0.0000068, 0.0000369)  | 0.02747 (0.01065, 0.05454) | 0.5 (0.2, 1.0)  | 0.0000164 (0.0000067, 0.0000320) | 0.038 (0.01611, 0.07377)   |
| Kalimantan Utara | Cirrhosis                                                | 5   | 0.5 (0.2, 1.0)  | 0.0000154 (0.0000061, 0.0000305)  | 0.02339 (0.00940, 0.04570) | 0.3 (0.1, 0.6)  | 0.0000084 (0.0000022, 0.0000204) | 0.01949 (0.00514, 0.04711) |
| Kalimantan Utara | Chronic respiratory diseases                             | 5   | 0.4 (0.1, 0.9)  | 0.0000119 (0.0000033, 0.0000280)  | 0.01802 (0.00511, 0.04070) | 0.1 (0.0, 0.3)  | 0.0000046 (0.0000011, 0.0000111) | 0.01055 (0.00277, 0.02618) |
| Kalimantan Utara | Other non-communicable diseases                          | 5   | 2.5 (1.4, 3.8)  | 0.0000747 (0.0000428, 0.0001137)  | 0.11314 (0.06656, 0.17120) | 2.1 (1.2, 3.0)  | 0.0000683 (0.0000398, 0.0000993) | 0.15835 (0.09634, 0.22662) |
| Kalimantan Utara | Drowning                                                 | 5   | 2.3 (0.9, 4.4)  | 0.0000705 (0.0000264, 0.0001332)  | 0.10671 (0.03971, 0.20174) | 0.7 (0.2, 1.6)  | 0.0000236 (0.0000071, 0.0000516) | 0.05484 (0.01679, 0.12125) |
| Kalimantan Utara | Falls                                                    | 5   | 0.7 (0.2, 1.7)  | 0.0000202 (0.0000061, 0.0000521)  | 0.03054 (0.00953, 0.07654) | 0.3 (0.1, 0.7)  | 0.0000089 (0.0000027, 0.0000242) | 0.02053 (0.00620, 0.05488) |
| Kalimantan Utara | Interpersonal violence                                   | 5   | 0.2 (0.1, 0.6)  | 0.0000068 (0.0000018, 0.0000186)  | 0.01026 (0.00269, 0.02673) | 0.2 (0.0, 0.4)  | 0.0000053 (0.0000015, 0.0000134) | 0.01241 (0.00324, 0.03161) |
| Kalimantan Utara | Transport injuries                                       | 5   | 2.9 (1.2, 5.1)  | 0.0000865 (0.0000360, 0.0001537)  | 0.13082 (0.05576, 0.23103) | 0.9 (0.3, 1.9)  | 0.0000312 (0.0000103, 0.0000620) | 0.07227 (0.02447, 0.14420) |
| Kalimantan Utara | Other unintentional injuries                             | 5   | 2.0 (0.7, 3.7)  | 0.0000588 (0.0000206, 0.0001110)  | 0.08908 (0.03206, 0.17223) | 0.8 (0.3, 1.6)  | 0.0000268 (0.0000086, 0.0000544) | 0.06228 (0.02081, 0.12373) |
| Kalimantan Utara | Diarrheal diseases                                       | 10  | 0.6 (0.2, 1.2)  | 0.0000197 (0.0000060, 0.0000418)  | 0.03082 (0.00976, 0.06552) | 0.5 (0.2, 1.0)  | 0.0000174 (0.0000057, 0.0000354) | 0.04416 (0.01440, 0.08940) |
| Kalimantan Utara | HIV/AIDS                                                 | 10  | 0.1 (0.0, 0.5)  | 0.0000047 (0.0000004, 0.0000185)  | 0.0073 (0.00069, 0.02930)  | 0.1 (0.0, 0.3)  | 0.0000029 (0.0000003, 0.0000113) | 0.0075 (0.00075, 0.02871)  |
| Kalimantan Utara | Lower respiratory infections                             | 10  | 0.5 (0.1, 1.2)  | 0.0000195 (0.0000044, 0.0000436)  | 0.03053 (0.00694, 0.06906) | 0.3 (0.1, 0.7)  | 0.0000121 (0.0000027, 0.0000272) | 0.0308 (0.00700, 0.06867)  |
| Kalimantan Utara | Malaria                                                  | 10  | - (0.0, 0.3)    | 0.0000014 (0.0000000, 0.0000105)  | 0.00215 (0.00005, 0.01629) | - (0.0, 0.2)    | 0.0000009 (0.0000000, 0.0000064) | 0.00227 (0.00005, 0.01663) |
| Kalimantan Utara | Tuberculosis                                             | 10  | 0.5 (0.1, 1.2)  | 0.0000168 (0.0000044, 0.0000418)  | 0.02611 (0.00703, 0.06558) | 0.3 (0.1, 0.8)  | 0.000011 (0.0000032, 0.0000281)  | 0.02796 (0.00809, 0.06801) |
| Kalimantan Utara | Maternal disorders                                       | 10  |                 |                                   |                            | 0.1 (0.0, 0.3)  | 0.0000032 (0.0000003, 0.0000114) | 0.00815 (0.00085, 0.02915) |
| Kalimantan Utara | Other communicable diseases                              | 10  | 3.2 (1.9, 4.7)  | 0.0001136 (0.0000663, 0.0001658)  | 0.17732 (0.10749, 0.25687) | 1.9 (1.1, 2.8)  | 0.0000706 (0.0000416, 0.0001046) | 0.17925 (0.10676, 0.26381) |
| Kalimantan Utara | Other malignant neoplasms                                | 10  | 1.3 (0.6, 2.3)  | 0.0000456 (0.0000208, 0.0000822)  | 0.07106 (0.03212, 0.12723) | 0.9 (0.4, 1.6)  | 0.0000346 (0.0000163, 0.0000601) | 0.08787 (0.04213, 0.14965) |
| Kalimantan Utara | Cerebrovascular disease                                  | 10  | 0.4 (0.1, 0.8)  | 0.0000138 (0.0000052, 0.0000269)  | 0.02157 (0.00837, 0.04174) | 0.3 (0.1, 0.7)  | 0.0000128 (0.0000053, 0.0000250) | 0.03248 (0.01358, 0.06471) |
| Kalimantan Utara | Ischemic heart disease                                   | 10  | 0.3 (0.1, 0.6)  | 0.0000109 (0.0000040, 0.0000227)  | 0.01706 (0.00625, 0.03561) | 0.3 (0.1, 0.5)  | 0.0000098 (0.0000035, 0.0000194) | 0.02491 (0.00911, 0.05087) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 10  | 0.2 (0.0, 0.4)  | 0.0000061 (0.0000016, 0.0000152)  | 0.0096 (0.00244, 0.02393)  | 0.1 (0.0, 0.4)  | 0.0000054 (0.0000015, 0.0000136) | 0.01368 (0.00373, 0.03345) |
| Kalimantan Utara | Diabetes mellitus                                        | 10  | 0.2 (0.1, 0.3)  | 0.0000055 (0.0000021, 0.0000117)  | 0.00856 (0.00340, 0.01844) | 0.6 (0.2, 1.2)  | 0.0000205 (0.0000080, 0.0000438) | 0.05206 (0.02037, 0.10859) |
| Kalimantan Utara | Chronic kidney disease                                   | 10  | 0.7 (0.3, 1.3)  | 0.0000238 (0.0000106, 0.0000448)  | 0.03714 (0.01712, 0.06803) | 0.5 (0.2, 1.0)  | 0.0000196 (0.0000091, 0.0000351) | 0.04964 (0.02348, 0.08907) |
| Kalimantan Utara | Cirrhosis                                                | 10  | 0.5 (0.2, 0.9)  | 0.0000169 (0.0000077, 0.0000313)  | 0.0264 (0.01236, 0.04897)  | 0.2 (0.1, 0.6)  | 0.0000086 (0.0000026, 0.0000209) | 0.0219 (0.00650, 0.05225)  |
| Kalimantan Utara | Chronic respiratory diseases                             | 10  | 0.6 (0.2, 1.2)  | 0.0000197 (0.0000067, 0.0000428)  | 0.03067 (0.01070, 0.06584) | 0.2 (0.1, 0.4)  | 0.0000071 (0.0000021, 0.0000165) | 0.01798 (0.00532, 0.04194) |
| Kalimantan Utara | Other non-communicable diseases                          | 10  | 2.2 (1.3, 3.2)  | 0.0000794 (0.0000478, 0.0001157)  | 0.12392 (0.07504, 0.18155) | 1.8 (1.1, 2.5)  | 0.0000658 (0.0000423, 0.0000933) | 0.1671 (0.10862, 0.23301)  |
| Kalimantan Utara | Drowning                                                 | 10  | 1.0 (0.3, 2.2)  | 0.0000363 (0.0000120, 0.0000778)  | 0.05655 (0.01892, 0.11919) | 0.3 (0.1, 0.7)  | 0.000011 (0.0000031, 0.0000258)  | 0.02796 (0.00787, 0.06423) |
| Kalimantan Utara | Falls                                                    | 10  | 0.5 (0.2, 1.3)  | 0.0000175 (0.0000054, 0.0000459)  | 0.0273 (0.00842, 0.07221)  | 0.2 (0.1, 0.5)  | 0.0000071 (0.0000020, 0.0000201) | 0.01793 (0.00522, 0.05118) |
| Kalimantan Utara | Interpersonal violence                                   | 10  | 0.3 (0.1, 0.7)  | 0.0000098 (0.0000033, 0.0000232)  | 0.01534 (0.00521, 0.03559) | 0.2 (0.1, 0.4)  | 0.0000068 (0.0000020, 0.0000157) | 0.01717 (0.00523, 0.03958) |
| Kalimantan Utara | Self-harm                                                | 10  | 0.1 (0.0, 0.3)  | 0.0000041 (0.0000010, 0.0000103)  | 0.00638 (0.00160, 0.01621) | 0.1 (0.0, 0.2)  | 0.0000024 (0.0000005, 0.0000064) | 0.00614 (0.00134, 0.01615) |
| Kalimantan Utara | Transport injuries                                       | 10  | 3.4 (1.7, 5.3)  | 0.0001202 (0.0000622, 0.0001887)  | 0.18779 (0.09816, 0.29099) | 1.1 (0.5, 2.0)  | 0.0000416 (0.0000179, 0.0000755) | 0.10575 (0.04591, 0.19245) |
| Kalimantan Utara | Other unintentional injuries                             | 10  | 1.6 (0.6, 3.0)  | 0.0000553 (0.0000212, 0.0001055)  | 0.08643 (0.03410, 0.16476) | 0.6 (0.2, 1.2)  | 0.0000226 (0.0000076, 0.0000460) | 0.05735 (0.01922, 0.12079) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males           |                                  |                            | Females         |                                  |                            |
|------------------|-----------------------------------------------|-----|-----------------|----------------------------------|----------------------------|-----------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Diarrheal diseases                            | 15  | 0.3 (0.1, 0.9)  | 0.0000143 (0.0000036, 0.0000351) | 0.01553 (0.00403, 0.03671) | 0.2 (0.1, 0.6)  | 0.0000102 (0.0000026, 0.0000242) | 0.01961 (0.00497, 0.04630) |
| Kalimantan Utara | HIV/AIDS                                      | 15  | 0.1 (0.0, 0.4)  | 0.0000004 (0.0000003, 0.0000167) | 0.0043 (0.00036, 0.01723)  | 0.1 (0.0, 0.2)  | 0.0000023 (0.0000002, 0.0000090) | 0.00456 (0.00036, 0.01832) |
| Kalimantan Utara | Lower respiratory infections                  | 15  | 0.2 (0.0, 0.6)  | 0.000009 (0.0000014, 0.0000257)  | 0.00978 (0.00150, 0.02761) | 0.1 (0.0, 0.3)  | 0.0000046 (0.0000008, 0.0000136) | 0.00893 (0.00145, 0.02550) |
| Kalimantan Utara | Malaria                                       | 15  | 0.1 (0.0, 0.6)  | 0.0000039 (0.0000001, 0.0000256) | 0.00424 (0.00012, 0.02782) | 0.1 (0.0, 0.4)  | 0.0000023 (0.0000001, 0.0000152) | 0.00445 (0.00011, 0.02846) |
| Kalimantan Utara | Tuberculosis                                  | 15  | 0.7 (0.2, 1.6)  | 0.0000273 (0.0000071, 0.0000675) | 0.02946 (0.00786, 0.06945) | 0.4 (0.1, 0.9)  | 0.0000165 (0.0000049, 0.0000382) | 0.03177 (0.00966, 0.07269) |
| Kalimantan Utara | Maternal disorders                            | 15  |                 |                                  |                            | 0.3 (0.1, 0.8)  | 0.0000124 (0.0000033, 0.0000321) | 0.02397 (0.00653, 0.05959) |
| Kalimantan Utara | Other communicable diseases                   | 15  | 2.5 (1.3, 4.1)  | 0.0001022 (0.0000519, 0.0001686) | 0.1106 (0.06020, 0.17389)  | 1.1 (0.6, 2.0)  | 0.0000483 (0.0000245, 0.0000835) | 0.0935 (0.04835, 0.15333)  |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 15  | 0.5 (0.1, 1.1)  | 0.0000186 (0.0000036, 0.0000451) | 0.02016 (0.00398, 0.04785) | 0.1 (0.0, 0.4)  | 0.0000063 (0.0000010, 0.0000181) | 0.01217 (0.00191, 0.03382) |
| Kalimantan Utara | Breast cancer                                 | 15  | - (0.0, 0.0)    | 0.0000003 (0.0000000, 0.0000011) | 0.00027 (0.00002, 0.00118) | 0.2 (0.0, 0.5)  | 0.0000068 (0.0000011, 0.0000196) | 0.01318 (0.00206, 0.03887) |
| Kalimantan Utara | Cervical cancer                               | 15  |                 |                                  |                            | 0.2 (0.0, 0.7)  | 0.0000079 (0.0000006, 0.0000280) | 0.01526 (0.00108, 0.05411) |
| Kalimantan Utara | Other malignant neoplasms                     | 15  | 1.4 (0.6, 2.6)  | 0.0000595 (0.0000263, 0.0001087) | 0.06441 (0.02904, 0.11526) | 0.9 (0.4, 1.8)  | 0.0000398 (0.0000154, 0.0000768) | 0.07695 (0.03040, 0.14674) |
| Kalimantan Utara | Cerebrovascular disease                       | 15  | 0.6 (0.3, 1.2)  | 0.0000245 (0.0000104, 0.0000481) | 0.02646 (0.01178, 0.04930) | 0.4 (0.2, 0.8)  | 0.0000191 (0.0000083, 0.0000361) | 0.03696 (0.01614, 0.06890) |
| Kalimantan Utara | Ischemic heart disease                        | 15  | 0.8 (0.3, 1.4)  | 0.000032 (0.0000133, 0.0000598)  | 0.03471 (0.01507, 0.06402) | 0.5 (0.2, 1.0)  | 0.0000227 (0.0000089, 0.0000423) | 0.04396 (0.01732, 0.08076) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 15  | 0.2 (0.1, 0.5)  | 0.0000094 (0.0000024, 0.0000221) | 0.0102 (0.00263, 0.02452)  | 0.2 (0.0, 0.5)  | 0.0000079 (0.0000020, 0.0000204) | 0.01528 (0.00399, 0.03770) |
| Kalimantan Utara | Diabetes mellitus                             | 15  | 0.2 (0.1, 0.5)  | 0.0000091 (0.0000036, 0.0000197) | 0.00985 (0.00385, 0.02092) | 0.8 (0.3, 1.5)  | 0.000032 (0.0000128, 0.0000639)  | 0.06192 (0.02562, 0.11817) |
| Kalimantan Utara | Chronic kidney disease                        | 15  | 0.9 (0.4, 1.6)  | 0.0000362 (0.0000171, 0.0000670) | 0.03918 (0.01948, 0.06903) | 0.7 (0.3, 1.3)  | 0.0000296 (0.0000137, 0.0000538) | 0.05728 (0.02808, 0.10045) |
| Kalimantan Utara | Cirrhosis                                     | 15  | 0.5 (0.2, 1.0)  | 0.0000211 (0.0000097, 0.0000397) | 0.02289 (0.01130, 0.04233) | 0.2 (0.1, 0.5)  | 0.0000097 (0.0000027, 0.0000233) | 0.01881 (0.00558, 0.04461) |
| Kalimantan Utara | Chronic respiratory diseases                  | 15  | 0.3 (0.1, 0.8)  | 0.0000138 (0.0000041, 0.0000323) | 0.01491 (0.00435, 0.03513) | 0.1 (0.0, 0.4)  | 0.0000061 (0.0000018, 0.0000153) | 0.01184 (0.00336, 0.02930) |
| Kalimantan Utara | Other non-communicable diseases               | 15  | 2.2 (1.3, 3.4)  | 0.0000924 (0.0000531, 0.0001400) | 0.10002 (0.06018, 0.14473) | 1.6 (1.0, 2.4)  | 0.0000684 (0.0000409, 0.0001027) | 0.13224 (0.07927, 0.19021) |
| Kalimantan Utara | Drowning                                      | 15  | 0.4 (0.1, 1.0)  | 0.000018 (0.0000056, 0.0000408)  | 0.01946 (0.00603, 0.04273) | 0.1 (0.0, 0.2)  | 0.0000039 (0.0000010, 0.0000100) | 0.00758 (0.00201, 0.01873) |
| Kalimantan Utara | Falls                                         | 15  | 0.4 (0.1, 1.0)  | 0.0000155 (0.0000049, 0.0000420) | 0.01676 (0.00560, 0.04505) | 0.1 (0.0, 0.4)  | 0.000005 (0.0000015, 0.0000155)  | 0.00973 (0.00282, 0.02877) |
| Kalimantan Utara | Interpersonal violence                        | 15  | 0.5 (0.2, 1.1)  | 0.0000225 (0.0000083, 0.0000465) | 0.02441 (0.00971, 0.05177) | 0.4 (0.1, 0.8)  | 0.0000158 (0.0000049, 0.0000339) | 0.03061 (0.00979, 0.06473) |
| Kalimantan Utara | Self-harm                                     | 15  | 0.2 (0.1, 0.5)  | 0.0000082 (0.0000025, 0.0000196) | 0.00889 (0.00271, 0.02073) | 0.1 (0.0, 0.3)  | 0.0000052 (0.0000013, 0.0000128) | 0.00998 (0.00254, 0.02581) |
| Kalimantan Utara | Transport injuries                            | 15  | 7.3 (4.9, 10.0) | 0.0003017 (0.0002013, 0.0004147) | 0.32681 (0.22407, 0.42483) | 2.4 (1.3, 3.8)  | 0.0001041 (0.0000562, 0.0001638) | 0.20147 (0.11189, 0.30101) |
| Kalimantan Utara | Other unintentional injuries                  | 15  | 1.9 (0.8, 3.7)  | 0.00008 (0.0000325, 0.0001540)   | 0.08667 (0.03521, 0.16242) | 0.7 (0.2, 1.4)  | 0.0000299 (0.0000099, 0.0000609) | 0.05798 (0.01987, 0.11959) |
| Kalimantan Utara | Diarrheal diseases                            | 20  | 0.4 (0.1, 1.0)  | 0.0000163 (0.0000042, 0.0000411) | 0.01378 (0.00376, 0.03346) | 0.2 (0.1, 0.5)  | 0.0000087 (0.0000023, 0.0000206) | 0.01497 (0.00411, 0.03692) |
| Kalimantan Utara | HIV/AIDS                                      | 20  | 0.5 (0.1, 1.6)  | 0.000018 (0.0000021, 0.0000619)  | 0.01519 (0.00175, 0.05300) | 0.1 (0.0, 0.5)  | 0.0000064 (0.0000007, 0.0000225) | 0.01101 (0.00116, 0.03860) |
| Kalimantan Utara | Lower respiratory infections                  | 20  | 0.3 (0.0, 0.8)  | 0.0000121 (0.0000018, 0.0000336) | 0.01024 (0.00162, 0.02816) | 0.1 (0.0, 0.2)  | 0.0000036 (0.0000005, 0.0000106) | 0.00618 (0.00094, 0.01802) |
| Kalimantan Utara | Malaria                                       | 20  | 0.1 (0.0, 0.9)  | 0.0000057 (0.0000002, 0.0000340) | 0.00482 (0.00013, 0.02948) | 0.1 (0.0, 0.3)  | 0.0000023 (0.0000001, 0.0000129) | 0.00399 (0.00010, 0.02287) |
| Kalimantan Utara | Tuberculosis                                  | 20  | 1.9 (0.7, 4.0)  | 0.0000758 (0.0000275, 0.0001577) | 0.06371 (0.02355, 0.12347) | 0.5 (0.2, 1.2)  | 0.0000231 (0.0000073, 0.0000527) | 0.03977 (0.01249, 0.08887) |
| Kalimantan Utara | Maternal disorders                            | 20  |                 |                                  |                            | 0.9 (0.3, 1.9)  | 0.0000402 (0.0000139, 0.0000825) | 0.06954 (0.02384, 0.13886) |
| Kalimantan Utara | Other communicable diseases                   | 20  | 3.7 (1.9, 6.1)  | 0.0001479 (0.0000767, 0.0002408) | 0.1246 (0.06724, 0.19339)  | 1.2 (0.6, 2.2)  | 0.0000542 (0.0000261, 0.0000959) | 0.0937 (0.04580, 0.15821)  |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 20  | 0.5 (0.1, 1.5)  | 0.0000199 (0.0000031, 0.0000590) | 0.0168 (0.00272, 0.04987)  | 0.2 (0.0, 0.6)  | 0.0000097 (0.0000016, 0.0000271) | 0.01675 (0.00287, 0.04615) |
| Kalimantan Utara | Breast cancer                                 | 20  | - (0.0, 0.0)    | 0.0000005 (0.0000001, 0.0000017) | 0.00038 (0.00005, 0.00137) | 0.4 (0.1, 0.9)  | 0.0000168 (0.0000045, 0.0000396) | 0.02906 (0.00775, 0.06950) |
| Kalimantan Utara | Cervical cancer                               | 20  |                 |                                  |                            | 0.4 (0.0, 1.1)  | 0.0000164 (0.0000018, 0.0000480) | 0.02829 (0.00311, 0.08430) |
| Kalimantan Utara | Other malignant neoplasms                     | 20  | 1.7 (0.7, 3.2)  | 0.0000666 (0.0000290, 0.0001277) | 0.05611 (0.02527, 0.10492) | 0.9 (0.3, 1.9)  | 0.0000403 (0.0000134, 0.0000817) | 0.06962 (0.02349, 0.14144) |
| Kalimantan Utara | Cerebrovascular disease                       | 20  | 1.2 (0.6, 2.1)  | 0.0000493 (0.0000222, 0.0000854) | 0.04147 (0.02014, 0.07127) | 0.7 (0.3, 1.2)  | 0.00003 (0.0000140, 0.0000514)   | 0.05185 (0.02546, 0.08748) |
| Kalimantan Utara | Ischemic heart disease                        | 20  | 1.6 (0.7, 2.8)  | 0.0000622 (0.0000279, 0.0001104) | 0.05245 (0.02464, 0.09128) | 0.6 (0.3, 1.1)  | 0.0000266 (0.0000113, 0.0000489) | 0.04592 (0.02033, 0.08156) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 20  | 0.4 (0.1, 1.0)  | 0.0000159 (0.0000040, 0.0000386) | 0.01341 (0.00340, 0.03267) | 0.3 (0.1, 0.6)  | 0.0000113 (0.0000031, 0.0000268) | 0.01948 (0.00541, 0.04681) |
| Kalimantan Utara | Diabetes mellitus                             | 20  | 0.3 (0.1, 0.5)  | 0.0000101 (0.0000044, 0.0000198) | 0.00851 (0.00384, 0.01645) | 0.7 (0.3, 1.4)  | 0.0000302 (0.0000125, 0.0000609) | 0.05228 (0.02221, 0.10300) |
| Kalimantan Utara | Chronic kidney disease                        | 20  | 1.6 (0.8, 2.9)  | 0.0000647 (0.0000335, 0.0001163) | 0.05442 (0.02905, 0.09306) | 1.0 (0.5, 1.7)  | 0.0000424 (0.0000220, 0.0000756) | 0.07322 (0.03894, 0.12327) |
| Kalimantan Utara | Cirrhosis                                     | 20  | 1.0 (0.5, 1.7)  | 0.0000381 (0.0000190, 0.0000671) | 0.03212 (0.01670, 0.05618) | 0.4 (0.1, 0.8)  | 0.0000155 (0.0000050, 0.0000350) | 0.02676 (0.00864, 0.06046) |
| Kalimantan Utara | Chronic respiratory diseases                  | 20  | 1.0 (0.3, 1.9)  | 0.0000386 (0.0000132, 0.0000772) | 0.03259 (0.01151, 0.06550) | 0.3 (0.1, 0.7)  | 0.0000147 (0.0000050, 0.0000319) | 0.02542 (0.00864, 0.05379) |
| Kalimantan Utara | Other non-communicable diseases               | 20  | 2.4 (1.3, 3.9)  | 0.0000955 (0.0000514, 0.0001548) | 0.08057 (0.04475, 0.12524) | 1.3 (0.8, 2.1)  | 0.0000581 (0.0000333, 0.0000910) | 0.10041 (0.05758, 0.15276) |
| Kalimantan Utara | Drowning                                      | 20  | 0.4 (0.1, 0.9)  | 0.0000141 (0.0000041, 0.0000364) | 0.01182 (0.00336, 0.02984) | 0.1 (0.0, 0.2)  | 0.0000028 (0.0000007, 0.0000077) | 0.0049 (0.00122, 0.01295)  |
| Kalimantan Utara | Falls                                         | 20  | 0.4 (0.1, 1.2)  | 0.0000165 (0.0000049, 0.0000462) | 0.01392 (0.00427, 0.03622) | 0.1 (0.0, 0.3)  | 0.0000046 (0.0000012, 0.0000137) | 0.00805 (0.00217, 0.02309) |
| Kalimantan Utara | Interpersonal violence                        | 20  | 0.8 (0.3, 1.6)  | 0.0000302 (0.0000110, 0.0000641) | 0.02544 (0.00966, 0.05370) | 0.3 (0.1, 0.8)  | 0.000015 (0.0000050, 0.0000334)  | 0.0259 (0.00889, 0.05726)  |
| Kalimantan Utara | Self-harm                                     | 20  | 0.2 (0.1, 0.6)  | 0.0000095 (0.0000026, 0.0000225) | 0.00802 (0.00232, 0.01823) | 0.1 (0.0, 0.2)  | 0.0000041 (0.0000010, 0.0000104) | 0.00707 (0.00175, 0.01762) |
| Kalimantan Utara | Transport injuries                            | 20  | 7.1 (4.1, 10.8) | 0.0002809 (0.0001643, 0.0004279) | 0.23697 (0.14036, 0.33634) | 1.7 (0.8, 2.9)  | 0.0000732 (0.0000341, 0.0001278) | 0.12658 (0.06116, 0.21663) |
| Kalimantan Utara | Other unintentional injuries                  | 20  | 2.5 (1.0, 4.7)  | 0.000098 (0.0000383, 0.0001888)  | 0.08265 (0.03287, 0.15783) | 0.6 (0.2, 1.4)  | 0.0000284 (0.0000091, 0.0000603) | 0.04927 (0.01624, 0.10196) |
| Kalimantan Utara | Diarrheal diseases                            | 25  | 0.8 (0.2, 1.8)  | 0.0000248 (0.0000071, 0.0000566) | 0.0175 (0.00500, 0.03959)  | 0.3 (0.1, 0.7)  | 0.0000113 (0.0000034, 0.0000250) | 0.01788 (0.00542, 0.03855) |
| Kalimantan Utara | HIV/AIDS                                      | 25  | 1.1 (0.2, 3.4)  | 0.0000362 (0.0000049, 0.0001088) | 0.02553 (0.00337, 0.07542) | 0.3 (0.0, 0.9)  | 0.0000102 (0.0000012, 0.0000329) | 0.01622 (0.00193, 0.05339) |
| Kalimantan Utara | Lower respiratory infections                  | 25  | 0.4 (0.1, 1.2)  | 0.0000139 (0.0000021, 0.0000381) | 0.00982 (0.00151, 0.02737) | 0.1 (0.0, 0.3)  | 0.0000034 (0.0000005, 0.0000102) | 0.00533 (0.00080, 0.01563) |
| Kalimantan Utara | Malaria                                       | 25  | 0.2 (0.0, 1.3)  | 0.0000069 (0.0000002, 0.0000411) | 0.00483 (0.00015, 0.02852) | 0.1 (0.0, 0.4)  | 0.0000022 (0.0000001, 0.0000133) | 0.00342 (0.00009, 0.02145) |
| Kalimantan Utara | Tuberculosis                                  | 25  | 3.7 (1.4, 7.2)  | 0.0001184 (0.0000452, 0.0002322) | 0.08314 (0.03331, 0.15693) | 0.7 (0.2, 1.7)  | 0.0000262 (0.0000084, 0.0000592) | 0.04151 (0.01323, 0.09203) |
| Kalimantan Utara | Maternal disorders                            | 25  |                 |                                  |                            | 1.5 (0.6, 2.9)  | 0.0000546 (0.0000203, 0.0001044) | 0.08648 (0.03183, 0.16516) |
| Kalimantan Utara | Other communicable diseases                   | 25  | 5.2 (2.7, 8.4)  | 0.0001683 (0.0000867, 0.0002707) | 0.11836 (0.06219, 0.18458) | 1.5 (0.8, 2.7)  | 0.0000546 (0.0000270, 0.0000974) | 0.08652 (0.04305, 0.14706) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 25  | 0.7 (0.1, 2.1)  | 0.0000217 (0.0000030, 0.0000675) | 0.01528 (0.00213, 0.04683) | 0.3 (0.1, 0.9)  | 0.0000116 (0.0000021, 0.0000308) | 0.01837 (0.00316, 0.04827) |
| Kalimantan Utara | Breast cancer                                 | 25  | - (0.0, 0.0)    | 0.0000004 (0.0000001, 0.0000015) | 0.00031 (0.00005, 0.00106) | 0.8 (0.2, 1.7)  | 0.000028 (0.0000089, 0.0000601)  | 0.04446 (0.01408, 0.09620) |
| Kalimantan Utara | Cervical cancer                               | 25  |                 |                                  |                            | 0.7 (0.1, 1.9)  | 0.000025 (0.0000039, 0.0000670)  | 0.03962 (0.00625, 0.10407) |
| Kalimantan Utara | Other malignant neoplasms                     | 25  | 3.0 (1.4, 5.5)  | 0.0000962 (0.0000449, 0.0001783) | 0.06765 (0.03234, 0.12251) | 1.1 (0.3, 2.4)  | 0.0000387 (0.0000117, 0.0000869) | 0.06127 (0.01840, 0.13484) |
| Kalimantan Utara | Cerebrovascular disease                       | 25  | 2.7 (1.4, 4.6)  | 0.0000882 (0.0000444, 0.0001475) | 0.06201 (0.03217, 0.10053) | 1.2 (0.6, 2.0)  | 0.0000446 (0.0000229, 0.0000714) | 0.0707 (0.03794, 0.11344)  |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males           |                                  |                            | Females         |                                  |                            |
|------------------|-----------------------------------------------|-----|-----------------|----------------------------------|----------------------------|-----------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Ischemic heart disease                        | 25  | 3.7 (1.8, 6.0)  | 0.0001199 (0.0000591, 0.0001938) | 0.08446 (0.04175, 0.13309) | 1.1 (0.5, 1.9)  | 0.0000389 (0.0000172, 0.0000669) | 0.06154 (0.02786, 0.10391) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 25  | 0.7 (0.2, 1.6)  | 0.0000215 (0.0000058, 0.0000513) | 0.01514 (0.00417, 0.03574) | 0.4 (0.1, 0.8)  | 0.0000127 (0.0000036, 0.0000295) | 0.02008 (0.00589, 0.04567) |
| Kalimantan Utara | Diabetes mellitus                             | 25  | 0.6 (0.3, 1.1)  | 0.0000186 (0.0000087, 0.0000352) | 0.01309 (0.00641, 0.02403) | 1.2 (0.5, 2.3)  | 0.0000435 (0.0000197, 0.0000828) | 0.06901 (0.03088, 0.12911) |
| Kalimantan Utara | Chronic kidney disease                        | 25  | 2.5 (1.3, 4.4)  | 0.000081 (0.0000418, 0.0001412)  | 0.05689 (0.03062, 0.09549) | 1.2 (0.6, 2.0)  | 0.0000415 (0.0000217, 0.0000733) | 0.06569 (0.03540, 0.11174) |
| Kalimantan Utara | Cirrhosis                                     | 25  | 1.7 (0.9, 2.9)  | 0.0000561 (0.0000295, 0.0000946) | 0.03952 (0.02113, 0.06552) | 0.5 (0.2, 1.2)  | 0.0000194 (0.0000065, 0.0000425) | 0.03071 (0.01034, 0.06698) |
| Kalimantan Utara | Chronic respiratory diseases                  | 25  | 1.7 (0.6, 3.2)  | 0.0000536 (0.0000192, 0.0001039) | 0.03777 (0.01377, 0.07433) | 0.5 (0.2, 1.0)  | 0.0000162 (0.0000056, 0.0000347) | 0.02578 (0.00870, 0.05412) |
| Kalimantan Utara | Other non-communicable diseases               | 25  | 3.5 (1.9, 5.5)  | 0.000113 (0.0000600, 0.0001783)  | 0.07961 (0.04373, 0.12737) | 1.6 (0.9, 2.5)  | 0.0000572 (0.0000329, 0.0000893) | 0.09079 (0.05143, 0.13784) |
| Kalimantan Utara | Drowning                                      | 25  | 0.3 (0.1, 0.7)  | 0.0000085 (0.0000021, 0.0000221) | 0.00599 (0.00153, 0.01567) | - (0.0, 0.1)    | 0.0000017 (0.0000004, 0.0000048) | 0.0027 (0.00065, 0.00756)  |
| Kalimantan Utara | Falls                                         | 25  | 0.7 (0.2, 2.0)  | 0.0000223 (0.0000068, 0.0000645) | 0.01564 (0.00475, 0.04260) | 0.2 (0.0, 0.5)  | 0.0000058 (0.0000016, 0.0000174) | 0.00927 (0.00259, 0.02763) |
| Kalimantan Utara | Interpersonal violence                        | 25  | 1.0 (0.3, 2.1)  | 0.0000313 (0.0000112, 0.0000668) | 0.02203 (0.00807, 0.04620) | 0.3 (0.1, 0.7)  | 0.0000119 (0.0000038, 0.0000263) | 0.0189 (0.00592, 0.04129)  |
| Kalimantan Utara | Self-harm                                     | 25  | 0.3 (0.1, 0.7)  | 0.0000093 (0.0000024, 0.0000232) | 0.00652 (0.00168, 0.01545) | 0.1 (0.0, 0.2)  | 0.0000029 (0.0000006, 0.0000074) | 0.00466 (0.00104, 0.01182) |
| Kalimantan Utara | Transport injuries                            | 25  | 6.1 (3.0, 10.4) | 0.000196 (0.0000967, 0.0003341)  | 0.13809 (0.06611, 0.22661) | 1.1 (0.4, 2.3)  | 0.0000409 (0.0000158, 0.0000812) | 0.06494 (0.02572, 0.12806) |
| Kalimantan Utara | Other unintentional injuries                  | 25  | 3.6 (1.4, 6.7)  | 0.0001146 (0.0000451, 0.0002142) | 0.08082 (0.03216, 0.15296) | 0.8 (0.3, 1.6)  | 0.0000278 (0.0000095, 0.0000586) | 0.04416 (0.01529, 0.09208) |
| Kalimantan Utara | Diarrheal diseases                            | 30  | 0.9 (0.2, 2.2)  | 0.0000316 (0.0000082, 0.0000752) | 0.02019 (0.00565, 0.04488) | 0.3 (0.1, 0.8)  | 0.0000137 (0.0000041, 0.0000305) | 0.01825 (0.00538, 0.04031) |
| Kalimantan Utara | HIV/AIDS                                      | 30  | 1.0 (0.1, 3.2)  | 0.0000358 (0.0000048, 0.0001090) | 0.02287 (0.00293, 0.06845) | 0.3 (0.0, 0.9)  | 0.0000109 (0.0000012, 0.0000346) | 0.01459 (0.00171, 0.04731) |
| Kalimantan Utara | Lower respiratory infections                  | 30  | 0.4 (0.1, 1.0)  | 0.0000125 (0.0000020, 0.0000338) | 0.008 (0.00133, 0.02162)   | 0.1 (0.0, 0.2)  | 0.0000033 (0.0000005, 0.0000099) | 0.00443 (0.00068, 0.01274) |
| Kalimantan Utara | Malaria                                       | 30  | 0.2 (0.0, 1.1)  | 0.0000065 (0.0000002, 0.0000381) | 0.00415 (0.00012, 0.02459) | - (0.0, 0.3)    | 0.0000019 (0.0000001, 0.0000118) | 0.00257 (0.00007, 0.01595) |
| Kalimantan Utara | Tuberculosis                                  | 30  | 3.3 (1.2, 6.7)  | 0.0001142 (0.0000421, 0.0002320) | 0.07267 (0.02793, 0.13849) | 0.7 (0.2, 1.5)  | 0.0000268 (0.0000082, 0.0000614) | 0.0356 (0.01085, 0.07991)  |
| Kalimantan Utara | Maternal disorders                            | 30  |                 |                                  |                            | 1.5 (0.6, 2.8)  | 0.0000589 (0.0000232, 0.0001108) | 0.07856 (0.03008, 0.14375) |
| Kalimantan Utara | Other communicable diseases                   | 30  | 4.0 (1.8, 6.9)  | 0.0001376 (0.0000632, 0.0002383) | 0.08779 (0.04226, 0.14493) | 1.1 (0.5, 2.0)  | 0.0000043 (0.0000193, 0.0000812) | 0.05734 (0.02528, 0.10430) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 30  | 1.3 (0.2, 3.3)  | 0.0000045 (0.0000077, 0.0001123) | 0.02852 (0.00497, 0.07123) | 0.3 (0.1, 0.9)  | 0.0000132 (0.0000025, 0.0000355) | 0.01765 (0.00322, 0.04583) |
| Kalimantan Utara | Breast cancer                                 | 30  | - (0.0, 0.1)    | 0.0000005 (0.0000000, 0.0000019) | 0.0003 (0.00003, 0.00118)  | 1.1 (0.4, 2.2)  | 0.0000437 (0.0000153, 0.0000899) | 0.05848 (0.02023, 0.11670) |
| Kalimantan Utara | Cervical cancer                               | 30  |                 |                                  |                            | 0.9 (0.2, 2.3)  | 0.0000369 (0.0000063, 0.0000936) | 0.04916 (0.00844, 0.12089) |
| Kalimantan Utara | Other malignant neoplasms                     | 30  | 3.6 (1.7, 6.8)  | 0.0001255 (0.0000595, 0.0002356) | 0.08006 (0.03849, 0.14263) | 1.0 (0.3, 2.5)  | 0.0000406 (0.0000108, 0.0000982) | 0.05415 (0.01503, 0.12968) |
| Kalimantan Utara | Cerebrovascular disease                       | 30  | 3.9 (2.1, 6.3)  | 0.0001364 (0.0000720, 0.0002188) | 0.08703 (0.04687, 0.13514) | 1.8 (1.0, 2.8)  | 0.000071 (0.0000386, 0.0001125)  | 0.0947 (0.05410, 0.14575)  |
| Kalimantan Utara | Ischemic heart disease                        | 30  | 5.0 (2.6, 7.9)  | 0.0001712 (0.0000895, 0.0002733) | 0.1094 (0.05914, 0.16764)  | 1.4 (0.7, 2.4)  | 0.0000566 (0.0000263, 0.0000948) | 0.07543 (0.03642, 0.12250) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 30  | 0.7 (0.2, 1.8)  | 0.0000257 (0.0000070, 0.0000613) | 0.01644 (0.00464, 0.03760) | 0.4 (0.1, 0.9)  | 0.0000156 (0.0000044, 0.0000357) | 0.02085 (0.00606, 0.04621) |
| Kalimantan Utara | Diabetes mellitus                             | 30  | 0.9 (0.4, 1.7)  | 0.0000313 (0.0000154, 0.0000573) | 0.01997 (0.01033, 0.03498) | 1.8 (0.8, 3.2)  | 0.0000718 (0.0000337, 0.0001264) | 0.09563 (0.04592, 0.16144) |
| Kalimantan Utara | Chronic kidney disease                        | 30  | 2.6 (1.4, 4.4)  | 0.0000902 (0.0000479, 0.0001529) | 0.05744 (0.03201, 0.09296) | 1.2 (0.6, 2.1)  | 0.0000466 (0.0000246, 0.0000845) | 0.06209 (0.03355, 0.10529) |
| Kalimantan Utara | Cirrhosis                                     | 30  | 2.2 (1.1, 3.6)  | 0.0000751 (0.0000397, 0.0001259) | 0.04798 (0.02672, 0.07834) | 0.7 (0.2, 1.5)  | 0.0000266 (0.0000089, 0.0000581) | 0.03555 (0.01190, 0.07682) |
| Kalimantan Utara | Chronic respiratory diseases                  | 30  | 1.4 (0.5, 2.9)  | 0.0000491 (0.0000180, 0.0000991) | 0.03136 (0.01155, 0.06346) | 0.4 (0.2, 0.9)  | 0.0000169 (0.0000060, 0.0000367) | 0.02261 (0.00812, 0.04809) |
| Kalimantan Utara | Other non-communicable diseases               | 30  | 3.4 (1.8, 5.4)  | 0.0001158 (0.0000618, 0.0001876) | 0.07395 (0.04061, 0.11682) | 1.5 (0.9, 2.4)  | 0.0000606 (0.0000344, 0.0000948) | 0.08084 (0.04569, 0.12528) |
| Kalimantan Utara | Drowning                                      | 30  | 0.3 (0.1, 0.8)  | 0.0000102 (0.0000021, 0.0000278) | 0.00647 (0.00142, 0.01710) | 0.1 (0.0, 0.2)  | 0.0000023 (0.0000004, 0.0000062) | 0.003 (0.00062, 0.00841)   |
| Kalimantan Utara | Falls                                         | 30  | 0.8 (0.2, 2.3)  | 0.0000279 (0.0000082, 0.0000778) | 0.01775 (0.00530, 0.04901) | 0.2 (0.1, 0.6)  | 0.0000008 (0.0000022, 0.0000226) | 0.01063 (0.00304, 0.03036) |
| Kalimantan Utara | Interpersonal violence                        | 30  | 0.7 (0.2, 1.6)  | 0.0000259 (0.0000085, 0.0000563) | 0.01652 (0.00551, 0.03602) | 0.3 (0.1, 0.6)  | 0.0000103 (0.0000030, 0.0000239) | 0.0137 (0.00411, 0.03184)  |
| Kalimantan Utara | Self-harm                                     | 30  | 0.2 (0.1, 0.6)  | 0.0000074 (0.0000018, 0.0000191) | 0.00476 (0.00120, 0.01200) | 0.1 (0.0, 0.2)  | 0.0000024 (0.0000005, 0.0000063) | 0.00326 (0.00073, 0.00830) |
| Kalimantan Utara | Transport injuries                            | 30  | 5.2 (2.4, 9.2)  | 0.0001795 (0.0000843, 0.0003178) | 0.11473 (0.05235, 0.19141) | 1.0 (0.4, 2.0)  | 0.0000394 (0.0000147, 0.0000794) | 0.05262 (0.01989, 0.10333) |
| Kalimantan Utara | Other unintentional injuries                  | 30  | 3.2 (1.2, 6.3)  | 0.000112 (0.0000420, 0.0002177)  | 0.07164 (0.02748, 0.13819) | 0.7 (0.2, 1.5)  | 0.0000286 (0.0000095, 0.0000615) | 0.03831 (0.01275, 0.08093) |
| Kalimantan Utara | Diarrheal diseases                            | 35  | 0.8 (0.2, 1.8)  | 0.0000302 (0.0000079, 0.0000711) | 0.01536 (0.00400, 0.03569) | 0.4 (0.1, 0.9)  | 0.0000183 (0.0000055, 0.0000420) | 0.01678 (0.00507, 0.03710) |
| Kalimantan Utara | HIV/AIDS                                      | 35  | 0.9 (0.1, 2.7)  | 0.0000363 (0.0000046, 0.0001098) | 0.01852 (0.00236, 0.05680) | 0.3 (0.0, 0.9)  | 0.0000135 (0.0000014, 0.0000425) | 0.01242 (0.00138, 0.03894) |
| Kalimantan Utara | Lower respiratory infections                  | 35  | 0.4 (0.1, 1.1)  | 0.0000151 (0.0000024, 0.0000431) | 0.00771 (0.00124, 0.02187) | 0.1 (0.0, 0.3)  | 0.0000051 (0.0000007, 0.0000148) | 0.00472 (0.00072, 0.01359) |
| Kalimantan Utara | Malaria                                       | 35  | 0.2 (0.0, 1.0)  | 0.0000063 (0.0000002, 0.0000385) | 0.00318 (0.00009, 0.01847) | - (0.0, 0.3)    | 0.0000024 (0.0000001, 0.0000137) | 0.00221 (0.00005, 0.01291) |
| Kalimantan Utara | Tuberculosis                                  | 35  | 3.5 (1.3, 7.0)  | 0.0001387 (0.0000517, 0.0002792) | 0.07032 (0.02711, 0.12963) | 0.8 (0.2, 1.9)  | 0.0000386 (0.0000116, 0.0000900) | 0.03534 (0.01107, 0.08226) |
| Kalimantan Utara | Maternal disorders                            | 35  |                 |                                  |                            | 1.2 (0.4, 2.5)  | 0.0000571 (0.0000193, 0.0001184) | 0.05251 (0.01822, 0.10160) |
| Kalimantan Utara | Other communicable diseases                   | 35  | 3.3 (1.4, 5.9)  | 0.0001327 (0.0000575, 0.0002377) | 0.06743 (0.03044, 0.11647) | 1.2 (0.6, 2.4)  | 0.0000593 (0.0000277, 0.0001158) | 0.05443 (0.02640, 0.09872) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 35  | 0.9 (0.2, 2.5)  | 0.0000378 (0.0000063, 0.0001021) | 0.01926 (0.00313, 0.05122) | 0.4 (0.1, 1.0)  | 0.000019 (0.0000038, 0.0000482)  | 0.01757 (0.00334, 0.04378) |
| Kalimantan Utara | Breast cancer                                 | 35  | - (0.0, 0.1)    | 0.000001 (0.0000001, 0.0000038)  | 0.00049 (0.00005, 0.00185) | 1.4 (0.5, 2.9)  | 0.000069 (0.0000243, 0.0001385)  | 0.06362 (0.02291, 0.12850) |
| Kalimantan Utara | Cervical cancer                               | 35  |                 |                                  |                            | 1.3 (0.2, 3.0)  | 0.0000626 (0.0000120, 0.0001436) | 0.05743 (0.01151, 0.13156) |
| Kalimantan Utara | Other malignant neoplasms                     | 35  | 4.8 (2.4, 8.7)  | 0.0001903 (0.0000961, 0.0003467) | 0.09667 (0.04818, 0.16495) | 1.0 (0.3, 2.6)  | 0.0000495 (0.0000126, 0.0001246) | 0.0454 (0.01190, 0.11460)  |
| Kalimantan Utara | Cerebrovascular disease                       | 35  | 5.8 (3.1, 9.1)  | 0.0002304 (0.0001234, 0.0003656) | 0.11705 (0.06622, 0.17775) | 2.7 (1.5, 4.2)  | 0.0001292 (0.0000726, 0.0002031) | 0.11868 (0.07025, 0.17534) |
| Kalimantan Utara | Ischemic heart disease                        | 35  | 6.5 (3.5, 10.1) | 0.0002603 (0.0001405, 0.0004045) | 0.13252 (0.07381, 0.19822) | 1.9 (0.9, 3.2)  | 0.0000933 (0.0000458, 0.0001565) | 0.08562 (0.04343, 0.13801) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 35  | 0.9 (0.2, 2.1)  | 0.0000359 (0.0000099, 0.0000825) | 0.01828 (0.00518, 0.04124) | 0.5 (0.1, 1.1)  | 0.0000228 (0.0000066, 0.0000512) | 0.02092 (0.00622, 0.04563) |
| Kalimantan Utara | Diabetes mellitus                             | 35  | 1.6 (0.8, 2.9)  | 0.0000647 (0.0000332, 0.0001151) | 0.03288 (0.01744, 0.05801) | 3.0 (1.5, 5.1)  | 0.0001453 (0.0000728, 0.0002455) | 0.13335 (0.06909, 0.21594) |
| Kalimantan Utara | Chronic kidney disease                        | 35  | 3.0 (1.6, 5.2)  | 0.0001187 (0.0000629, 0.0002091) | 0.06026 (0.03433, 0.09769) | 1.3 (0.7, 2.5)  | 0.0000629 (0.0000331, 0.0001187) | 0.05771 (0.03168, 0.09901) |
| Kalimantan Utara | Cirrhosis                                     | 35  | 2.6 (1.4, 4.4)  | 0.0001035 (0.0000548, 0.0001769) | 0.05265 (0.02945, 0.08799) | 0.8 (0.3, 1.8)  | 0.0000397 (0.0000134, 0.0000857) | 0.03656 (0.01234, 0.07799) |
| Kalimantan Utara | Chronic respiratory diseases                  | 35  | 1.8 (0.6, 3.7)  | 0.0000704 (0.0000254, 0.0001462) | 0.03582 (0.01293, 0.07384) | 0.5 (0.2, 1.0)  | 0.000022 (0.0000077, 0.0000495)  | 0.02022 (0.00710, 0.04479) |
| Kalimantan Utara | Other non-communicable diseases               | 35  | 3.2 (1.7, 5.3)  | 0.0001299 (0.0000695, 0.0002108) | 0.06608 (0.03657, 0.10411) | 1.5 (0.8, 2.4)  | 0.0000724 (0.0000396, 0.0001174) | 0.06658 (0.03727, 0.10445) |
| Kalimantan Utara | Drowning                                      | 35  | 0.3 (0.1, 0.9)  | 0.000014 (0.0000034, 0.0000379)  | 0.00709 (0.00171, 0.01879) | 0.1 (0.0, 0.2)  | 0.0000041 (0.0000009, 0.0000116) | 0.00372 (0.00085, 0.01028) |
| Kalimantan Utara | Falls                                         | 35  | 0.8 (0.2, 2.1)  | 0.0000312 (0.0000093, 0.0000825) | 0.01584 (0.00484, 0.04300) | 0.2 (0.1, 0.6)  | 0.0000111 (0.0000032, 0.0000303) | 0.0102 (0.00300, 0.02841)  |
| Kalimantan Utara | Interpersonal violence                        | 35  | 0.6 (0.2, 1.5)  | 0.0000256 (0.0000081, 0.0000592) | 0.01304 (0.00438, 0.02971) | 0.2 (0.1, 0.5)  | 0.0000111 (0.0000036, 0.0000256) | 0.01017 (0.00311, 0.02391) |
| Kalimantan Utara | Self-harm                                     | 35  | 0.2 (0.0, 0.5)  | 0.0000079 (0.0000018, 0.0000207) | 0.00404 (0.00009, 0.01026) | 0.1 (0.0, 0.1)  | 0.0000028 (0.0000006, 0.0000071) | 0.00254 (0.00055, 0.00647) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males            |                                  |                            | Females         |                                  |                            |
|------------------|-----------------------------------------------|-----|------------------|----------------------------------|----------------------------|-----------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI) | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Transport injuries                            | 35  | 4.1 (1.7, 7.7)   | 0.0001653 (0.0000700, 0.0003083) | 0.08418 (0.03624, 0.14742) | 0.9 (0.3, 1.8)  | 0.0000422 (0.0000149, 0.0000876) | 0.03887 (0.01415, 0.07888) |
| Kalimantan Utara | Other unintentional injuries                  | 35  | 3.0 (1.1, 6.0)   | 0.0001203 (0.0000434, 0.0002391) | 0.06131 (0.02315, 0.11781) | 0.7 (0.2, 1.5)  | 0.0000352 (0.0000115, 0.0000749) | 0.03245 (0.01077, 0.07039) |
| Kalimantan Utara | Diarrheal diseases                            | 40  | 0.9 (0.2, 2.1)   | 0.0000417 (0.0000107, 0.0001002) | 0.0147 (0.00366, 0.03354)  | 0.5 (0.1, 1.1)  | 0.0000299 (0.0000087, 0.0000694) | 0.01852 (0.00546, 0.03956) |
| Kalimantan Utara | HIV/AIDS                                      | 40  | 0.5 (0.0, 1.6)   | 0.0000224 (0.0000022, 0.0000797) | 0.0079 (0.00076, 0.02657)  | 0.2 (0.0, 0.6)  | 0.0000103 (0.0000010, 0.0000365) | 0.0064 (0.00062, 0.02228)  |
| Kalimantan Utara | Lower respiratory infections                  | 40  | 0.3 (0.1, 1.0)   | 0.0000169 (0.0000027, 0.0000482) | 0.00596 (0.00091, 0.01631) | 0.1 (0.0, 0.4)  | 0.0000077 (0.0000011, 0.0000228) | 0.00481 (0.00074, 0.01384) |
| Kalimantan Utara | Malaria                                       | 40  | 0.2 (0.0, 1.0)   | 0.000008 (0.0000002, 0.0000488)  | 0.00283 (0.00008, 0.01740) | 0.1 (0.0, 0.3)  | 0.0000032 (0.0000001, 0.0000197) | 0.00198 (0.00005, 0.01240) |
| Kalimantan Utara | Tuberculosis                                  | 40  | 3.0 (1.0, 6.2)   | 0.0001443 (0.0000501, 0.0003021) | 0.05067 (0.01870, 0.10071) | 0.7 (0.2, 1.8)  | 0.0000464 (0.0000137, 0.0001130) | 0.02865 (0.00890, 0.06668) |
| Kalimantan Utara | Maternal disorders                            | 40  |                  |                                  |                            | 0.5 (0.1, 1.4)  | 0.000033 (0.0000091, 0.0000839)  | 0.02045 (0.00586, 0.04805) |
| Kalimantan Utara | Other communicable diseases                   | 40  | 3.4 (1.5, 6.2)   | 0.0001655 (0.0000713, 0.0003016) | 0.05829 (0.02585, 0.10212) | 1.5 (0.7, 2.7)  | 0.0000909 (0.0000428, 0.0001677) | 0.05637 (0.02816, 0.09835) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 40  | 1.6 (0.3, 3.7)   | 0.0000757 (0.0000160, 0.0001812) | 0.02673 (0.00581, 0.06169) | 0.4 (0.1, 1.0)  | 0.0000261 (0.0000054, 0.0000626) | 0.01626 (0.00348, 0.03797) |
| Kalimantan Utara | Breast cancer                                 | 40  | - (0.0, 0.2)     | 0.0000023 (0.0000003, 0.0000086) | 0.00082 (0.00012, 0.00283) | 1.5 (0.5, 3.1)  | 0.0000938 (0.0000324, 0.0001932) | 0.05836 (0.02011, 0.12052) |
| Kalimantan Utara | Cervical cancer                               | 40  |                  |                                  |                            | 1.6 (0.3, 3.6)  | 0.000102 (0.0000212, 0.0002251)  | 0.06316 (0.01390, 0.13704) |
| Kalimantan Utara | Other malignant neoplasms                     | 40  | 6.1 (3.1, 11.2)  | 0.0003002 (0.0001492, 0.0005471) | 0.1056 (0.05440, 0.18138)  | 0.9 (0.2, 2.4)  | 0.0000577 (0.0000125, 0.0001486) | 0.03564 (0.00838, 0.09424) |
| Kalimantan Utara | Cerebrovascular disease                       | 40  | 8.8 (4.9, 13.6)  | 0.0004284 (0.0002380, 0.0006622) | 0.15075 (0.08905, 0.21720) | 3.8 (2.2, 5.9)  | 0.0002353 (0.0001382, 0.0003629) | 0.14587 (0.09010, 0.20635) |
| Kalimantan Utara | Ischemic heart disease                        | 40  | 9.3 (5.2, 14.2)  | 0.0004562 (0.0002527, 0.0006935) | 0.16082 (0.09450, 0.23049) | 2.5 (1.3, 4.2)  | 0.0001578 (0.0000804, 0.0002620) | 0.09772 (0.05224, 0.15432) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 40  | 1.2 (0.3, 2.8)   | 0.0000599 (0.0000171, 0.0001344) | 0.02112 (0.00623, 0.04802) | 0.6 (0.2, 1.3)  | 0.0000353 (0.0000099, 0.0000812) | 0.02185 (0.00637, 0.04874) |
| Kalimantan Utara | Diabetes mellitus                             | 40  | 3.3 (1.7, 5.6)   | 0.0001612 (0.0000854, 0.0002759) | 0.05678 (0.03173, 0.09431) | 5.0 (2.8, 8.1)  | 0.0003076 (0.0001748, 0.0004985) | 0.19053 (0.11182, 0.28276) |
| Kalimantan Utara | Chronic kidney disease                        | 40  | 3.7 (2.0, 6.4)   | 0.0001816 (0.0000959, 0.0003140) | 0.06382 (0.03617, 0.10328) | 1.4 (0.7, 2.6)  | 0.0000867 (0.0000443, 0.0001595) | 0.05365 (0.02929, 0.09086) |
| Kalimantan Utara | Cirrhosis                                     | 40  | 3.2 (1.7, 5.3)   | 0.0001544 (0.0000829, 0.0002574) | 0.05442 (0.03091, 0.09045) | 1.0 (0.3, 2.1)  | 0.0000593 (0.0000197, 0.0001278) | 0.03685 (0.01243, 0.08236) |
| Kalimantan Utara | Chronic respiratory diseases                  | 40  | 1.9 (0.7, 3.8)   | 0.0000922 (0.0000335, 0.0001878) | 0.03249 (0.01207, 0.06677) | 0.5 (0.2, 1.0)  | 0.0000282 (0.0000099, 0.0000621) | 0.01748 (0.00634, 0.03623) |
| Kalimantan Utara | Other non-communicable diseases               | 40  | 3.4 (1.8, 5.6)   | 0.0001672 (0.0000859, 0.0002752) | 0.05888 (0.03291, 0.09386) | 1.4 (0.8, 2.4)  | 0.0000894 (0.0000481, 0.0001482) | 0.05548 (0.03085, 0.08866) |
| Kalimantan Utara | Drowning                                      | 40  | 0.2 (0.0, 0.5)   | 0.0000092 (0.0000020, 0.0000252) | 0.00322 (0.00074, 0.00840) | 0.1 (0.0, 0.2)  | 0.0000034 (0.0000007, 0.0000095) | 0.00214 (0.00044, 0.00581) |
| Kalimantan Utara | Falls                                         | 40  | 0.7 (0.2, 1.9)   | 0.0000339 (0.0000094, 0.0000918) | 0.01192 (0.00352, 0.03109) | 0.2 (0.1, 0.6)  | 0.0000143 (0.0000039, 0.0000381) | 0.00888 (0.00251, 0.02362) |
| Kalimantan Utara | Interpersonal violence                        | 40  | 0.5 (0.2, 1.2)   | 0.0000244 (0.0000074, 0.0000585) | 0.00058 (0.00279, 0.02009) | 0.2 (0.0, 0.4)  | 0.0000098 (0.0000027, 0.0000245) | 0.00607 (0.00178, 0.01494) |
| Kalimantan Utara | Self-harm                                     | 40  | 0.2 (0.0, 0.5)   | 0.0000085 (0.0000019, 0.0000230) | 0.003 (0.00068, 0.00814)   | - (0.0, 0.1)    | 0.0000026 (0.0000005, 0.0000072) | 0.00164 (0.00032, 0.00442) |
| Kalimantan Utara | Transport injuries                            | 40  | 3.4 (1.4, 6.8)   | 0.0001658 (0.0000671, 0.0003331) | 0.05844 (0.02334, 0.11228) | 0.7 (0.3, 1.6)  | 0.0000463 (0.0000156, 0.0001019) | 0.02877 (0.01025, 0.06182) |
| Kalimantan Utara | Other unintentional injuries                  | 40  | 2.5 (0.8, 5.1)   | 0.0001198 (0.0000395, 0.0002499) | 0.04226 (0.01545, 0.08535) | 0.6 (0.2, 1.3)  | 0.0000361 (0.0000108, 0.0000795) | 0.02247 (0.00716, 0.05053) |
| Kalimantan Utara | Diarrheal diseases                            | 45  | 0.8 (0.2, 1.8)   | 0.0000529 (0.0000143, 0.0001222) | 0.01358 (0.00356, 0.02976) | 0.6 (0.2, 1.3)  | 0.0000522 (0.0000154, 0.0001155) | 0.01942 (0.00595, 0.04030) |
| Kalimantan Utara | HIV/AIDS                                      | 45  | 0.2 (0.0, 0.8)   | 0.0000148 (0.0000014, 0.0000556) | 0.00381 (0.00036, 0.01440) | 0.1 (0.0, 0.4)  | 0.0000094 (0.0000008, 0.0000365) | 0.00352 (0.00031, 0.01389) |
| Kalimantan Utara | Lower respiratory infections                  | 45  | 0.4 (0.1, 1.0)   | 0.0000249 (0.0000037, 0.0000697) | 0.00641 (0.00097, 0.01708) | 0.2 (0.0, 0.5)  | 0.0000166 (0.0000024, 0.0000472) | 0.00621 (0.00093, 0.01715) |
| Kalimantan Utara | Malaria                                       | 45  | 0.1 (0.0, 0.8)   | 0.0000009 (0.0000002, 0.0000530) | 0.0023 (0.00006, 0.01355)  | 0.1 (0.0, 0.3)  | 0.0000045 (0.0000001, 0.0000275) | 0.00166 (0.00004, 0.01024) |
| Kalimantan Utara | Tuberculosis                                  | 45  | 2.8 (1.0, 5.7)   | 0.0001889 (0.0000659, 0.0003882) | 0.04836 (0.01837, 0.09627) | 0.9 (0.3, 2.2)  | 0.0000791 (0.0000239, 0.0001855) | 0.02936 (0.00951, 0.06578) |
| Kalimantan Utara | Maternal disorders                            | 45  |                  |                                  |                            | 0.2 (0.0, 0.6)  | 0.0000175 (0.0000037, 0.0000484) | 0.00653 (0.00141, 0.01779) |
| Kalimantan Utara | Other communicable diseases                   | 45  | 2.7 (1.1, 5.1)   | 0.0001827 (0.0000717, 0.0003471) | 0.04688 (0.01936, 0.08474) | 1.6 (0.7, 3.0)  | 0.0001421 (0.0000637, 0.0002588) | 0.05292 (0.02497, 0.08990) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 45  | 1.6 (0.4, 3.9)   | 0.0001108 (0.0000259, 0.0002637) | 0.0285 (0.00646, 0.06733)  | 0.5 (0.1, 1.2)  | 0.0000433 (0.0000093, 0.0001045) | 0.01619 (0.00346, 0.03870) |
| Kalimantan Utara | Breast cancer                                 | 45  | 0.1 (0.0, 0.2)   | 0.0000044 (0.0000008, 0.0000134) | 0.00112 (0.00022, 0.00325) | 1.4 (0.5, 3.1)  | 0.0001237 (0.0000413, 0.0002673) | 0.04629 (0.01482, 0.09921) |
| Kalimantan Utara | Cervical cancer                               | 45  |                  |                                  |                            | 1.7 (0.4, 3.7)  | 0.0001455 (0.0000320, 0.0003187) | 0.05415 (0.01177, 0.11795) |
| Kalimantan Utara | Other malignant neoplasms                     | 45  | 5.1 (2.5, 9.8)   | 0.000349 (0.0001699, 0.0006675)  | 0.08946 (0.04541, 0.15595) | 0.9 (0.2, 2.3)  | 0.0000736 (0.0000152, 0.0001982) | 0.0273 (0.00617, 0.07439)  |
| Kalimantan Utara | Cerebrovascular disease                       | 45  | 10.2 (5.9, 15.4) | 0.0006991 (0.0004038, 0.0010485) | 0.17925 (0.10993, 0.25035) | 5.3 (3.2, 8.0)  | 0.0004553 (0.0002783, 0.0006880) | 0.16964 (0.11113, 0.23216) |
| Kalimantan Utara | Ischemic heart disease                        | 45  | 9.8 (5.5, 14.8)  | 0.0006709 (0.0003784, 0.0010098) | 0.17239 (0.10267, 0.24738) | 3.1 (1.6, 5.1)  | 0.0002703 (0.0001385, 0.0004390) | 0.10062 (0.05327, 0.15866) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 45  | 1.3 (0.4, 3.0)   | 0.0000902 (0.0000258, 0.0002023) | 0.02317 (0.00681, 0.05211) | 0.7 (0.2, 1.6)  | 0.0000612 (0.0000171, 0.0001394) | 0.02278 (0.00675, 0.05076) |
| Kalimantan Utara | Diabetes mellitus                             | 45  | 4.5 (2.5, 7.5)   | 0.0003086 (0.0001701, 0.0005084) | 0.07925 (0.04620, 0.12843) | 7.3 (4.3, 11.5) | 0.0006281 (0.0003669, 0.0009888) | 0.23386 (0.14837, 0.32554) |
| Kalimantan Utara | Chronic kidney disease                        | 45  | 3.5 (1.8, 6.1)   | 0.0002356 (0.0001249, 0.0004164) | 0.06038 (0.03408, 0.09764) | 1.5 (0.7, 2.8)  | 0.0001273 (0.0000641, 0.0002383) | 0.04734 (0.02517, 0.07925) |
| Kalimantan Utara | Cirrhosis                                     | 45  | 2.8 (1.5, 4.8)   | 0.0001917 (0.0001032, 0.0003279) | 0.04924 (0.02826, 0.08208) | 1.0 (0.3, 2.3)  | 0.0000901 (0.0000296, 0.0001977) | 0.03363 (0.01104, 0.07527) |
| Kalimantan Utara | Chronic respiratory diseases                  | 45  | 2.1 (0.8, 4.2)   | 0.0001401 (0.0000521, 0.0002831) | 0.03598 (0.01310, 0.07084) | 0.6 (0.2, 1.3)  | 0.0000503 (0.0000178, 0.0001092) | 0.01877 (0.00693, 0.03856) |
| Kalimantan Utara | Other non-communicable diseases               | 45  | 2.9 (1.5, 4.8)   | 0.0001967 (0.0001007, 0.0003289) | 0.05049 (0.02793, 0.08054) | 1.4 (0.8, 2.4)  | 0.0001237 (0.0000650, 0.0002074) | 0.04613 (0.02540, 0.07398) |
| Kalimantan Utara | Drowning                                      | 45  | 0.1 (0.0, 0.3)   | 0.0000075 (0.0000015, 0.0000222) | 0.00192 (0.00040, 0.00528) | - (0.0, 0.1)    | 0.0000042 (0.0000008, 0.0000118) | 0.00155 (0.00031, 0.00435) |
| Kalimantan Utara | Falls                                         | 45  | 0.7 (0.2, 1.8)   | 0.0000453 (0.0000127, 0.0001201) | 0.0116 (0.00337, 0.03023)  | 0.3 (0.1, 0.8)  | 0.0000264 (0.0000072, 0.0000723) | 0.00985 (0.00285, 0.02586) |
| Kalimantan Utara | Interpersonal violence                        | 45  | 0.4 (0.1, 0.9)   | 0.0000253 (0.0000074, 0.0000644) | 0.00648 (0.00191, 0.01604) | 0.1 (0.0, 0.3)  | 0.0000118 (0.0000030, 0.0000300) | 0.00439 (0.00120, 0.01129) |
| Kalimantan Utara | Self-harm                                     | 45  | 0.1 (0.0, 0.4)   | 0.00001 (0.0000021, 0.0000269)   | 0.00257 (0.00057, 0.00680) | - (0.0, 0.1)    | 0.0000035 (0.0000007, 0.0000097) | 0.0013 (0.00027, 0.00350)  |
| Kalimantan Utara | Transport injuries                            | 45  | 3.0 (1.1, 6.0)   | 0.0002013 (0.0000735, 0.0004099) | 0.05172 (0.01998, 0.10128) | 0.9 (0.3, 1.9)  | 0.0000733 (0.0000239, 0.0001595) | 0.02739 (0.00977, 0.05904) |
| Kalimantan Utara | Other unintentional injuries                  | 45  | 2.0 (0.6, 4.2)   | 0.0001368 (0.0000443, 0.0002880) | 0.03515 (0.01204, 0.07243) | 0.6 (0.2, 1.4)  | 0.0000514 (0.0000149, 0.0001179) | 0.01921 (0.00567, 0.04367) |
| Kalimantan Utara | Diarrheal diseases                            | 50  | 1.2 (0.3, 2.7)   | 0.0001022 (0.0000286, 0.0002362) | 0.01711 (0.00479, 0.03767) | 0.8 (0.3, 1.8)  | 0.0000967 (0.0000301, 0.0002099) | 0.02324 (0.00737, 0.04699) |
| Kalimantan Utara | HIV/AIDS                                      | 50  | 0.1 (0.0, 0.4)   | 0.0000082 (0.0000006, 0.0000340) | 0.00138 (0.00010, 0.00568) | 0.1 (0.0, 0.2)  | 0.0000059 (0.0000005, 0.0000252) | 0.00142 (0.00011, 0.00588) |
| Kalimantan Utara | Lower respiratory infections                  | 50  | 0.5 (0.1, 1.3)   | 0.0000413 (0.0000062, 0.0001127) | 0.00693 (0.00098, 0.01948) | 0.3 (0.0, 0.8)  | 0.0000313 (0.0000046, 0.0000892) | 0.00752 (0.00114, 0.02042) |
| Kalimantan Utara | Malaria                                       | 50  | 0.1 (0.0, 0.9)   | 0.0000128 (0.0000004, 0.0000814) | 0.00213 (0.00007, 0.01331) | 0.1 (0.0, 0.3)  | 0.000006 (0.0000001, 0.0000364)  | 0.00144 (0.00004, 0.00923) |
| Kalimantan Utara | Tuberculosis                                  | 50  | 3.0 (1.0, 6.4)   | 0.0002564 (0.0000827, 0.0005529) | 0.0428 (0.01427, 0.08799)  | 1.0 (0.3, 2.4)  | 0.0001179 (0.0000324, 0.0002791) | 0.02823 (0.00831, 0.06397) |
| Kalimantan Utara | Maternal disorders                            | 50  |                  |                                  |                            | 0.1 (0.0, 0.3)  | 0.0000101 (0.0000014, 0.0000352) | 0.00245 (0.00036, 0.00812) |
| Kalimantan Utara | Other communicable diseases                   | 50  | 3.2 (1.3, 6.0)   | 0.0002747 (0.0001088, 0.0005162) | 0.04598 (0.01845, 0.08313) | 1.8 (0.8, 3.3)  | 0.0002071 (0.0000891, 0.0003814) | 0.04981 (0.02275, 0.08499) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 50  | 2.6 (0.7, 5.5)   | 0.0002206 (0.0000606, 0.0004716) | 0.03697 (0.01007, 0.07693) | 0.6 (0.1, 1.4)  | 0.0000639 (0.0000143, 0.0001557) | 0.01539 (0.00343, 0.03672) |
| Kalimantan Utara | Breast cancer                                 | 50  | 0.1 (0.0, 0.2)   | 0.0000061 (0.0000013, 0.0000172) | 0.00102 (0.00022, 0.00288) | 1.2 (0.4, 2.7)  | 0.0001346 (0.0000400, 0.0003046) | 0.0325 (0.00982, 0.07510)  |
| Kalimantan Utara | Cervical cancer                               | 50  |                  |                                  |                            | 1.6 (0.3, 3.6)  | 0.000187 (0.0000393, 0.0004160)  | 0.0449 (0.00921, 0.09800)  |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Other malignant neoplasms                     | 50  | 4.9 (2.3, 9.4)    | 0.0004195 (0.0001966, 0.0008135) | 0.07016 (0.03319, 0.12589) | 0.8 (0.2, 2.3)   | 0.000094 (0.0000190, 0.0002632)  | 0.02248 (0.00484, 0.06329) |
| Kalimantan Utara | Cerebrovascular disease                       | 50  | 14.6 (8.7, 21.3)  | 0.0012564 (0.0007545, 0.0018367) | 0.21003 (0.13614, 0.28601) | 7.1 (4.4, 10.6)  | 0.0008154 (0.0005050, 0.0012102) | 0.19606 (0.13160, 0.26269) |
| Kalimantan Utara | Ischemic heart disease                        | 50  | 12.4 (7.1, 18.4)  | 0.0010685 (0.0006126, 0.0015880) | 0.17903 (0.10759, 0.25583) | 3.8 (1.9, 6.2)   | 0.0004328 (0.0002209, 0.0007102) | 0.10397 (0.05604, 0.16368) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 50  | 1.8 (0.5, 4.1)    | 0.0001587 (0.0000454, 0.0003518) | 0.02657 (0.00779, 0.05950) | 0.9 (0.3, 2.2)   | 0.0001066 (0.0000301, 0.0002464) | 0.0256 (0.00770, 0.05839)  |
| Kalimantan Utara | Diabetes mellitus                             | 50  | 6.4 (3.6, 10.4)   | 0.0005511 (0.0003062, 0.0008974) | 0.09227 (0.05333, 0.14598) | 9.4 (5.7, 14.5)  | 0.0010777 (0.0006497, 0.0016496) | 0.25889 (0.16861, 0.35071) |
| Kalimantan Utara | Chronic kidney disease                        | 50  | 3.8 (2.0, 6.7)    | 0.0003311 (0.0001758, 0.0005795) | 0.05533 (0.03179, 0.09087) | 1.6 (0.8, 2.9)   | 0.0001784 (0.0000886, 0.0003345) | 0.04279 (0.02302, 0.07288) |
| Kalimantan Utara | Cirrhosis                                     | 50  | 3.2 (1.7, 5.4)    | 0.0002762 (0.0001479, 0.0004621) | 0.04626 (0.02634, 0.07513) | 1.2 (0.4, 2.6)   | 0.0001318 (0.0000427, 0.0002924) | 0.03175 (0.01064, 0.06915) |
| Kalimantan Utara | Chronic respiratory diseases                  | 50  | 2.6 (0.9, 5.3)    | 0.0002203 (0.0000817, 0.0004540) | 0.03686 (0.01452, 0.07250) | 0.8 (0.3, 1.7)   | 0.0000904 (0.0000337, 0.0001907) | 0.02173 (0.00848, 0.04338) |
| Kalimantan Utara | Other non-communicable diseases               | 50  | 3.2 (1.6, 5.4)    | 0.000279 (0.0001416, 0.0004666)  | 0.04668 (0.02574, 0.07448) | 1.5 (0.8, 2.6)   | 0.0001751 (0.0000937, 0.0002923) | 0.04215 (0.02339, 0.06726) |
| Kalimantan Utara | Drowning                                      | 50  | 0.1 (0.0, 0.3)    | 0.0000079 (0.0000016, 0.0000225) | 0.00131 (0.00025, 0.00382) | - (0.0, 0.1)     | 0.0000045 (0.0000008, 0.0000136) | 0.00107 (0.00020, 0.00316) |
| Kalimantan Utara | Falls                                         | 50  | 0.8 (0.2, 2.2)    | 0.0000722 (0.0000207, 0.0001913) | 0.01208 (0.00350, 0.03147) | 0.4 (0.1, 1.0)   | 0.0000422 (0.0000121, 0.0001128) | 0.01015 (0.00309, 0.02602) |
| Kalimantan Utara | Interpersonal violence                        | 50  | 0.3 (0.1, 0.8)    | 0.0000261 (0.0000072, 0.0000687) | 0.00437 (0.00124, 0.01139) | 0.1 (0.0, 0.3)   | 0.0000118 (0.0000028, 0.0000326) | 0.00284 (0.00071, 0.00763) |
| Kalimantan Utara | Self-harm                                     | 50  | 0.1 (0.0, 0.4)    | 0.0000113 (0.0000024, 0.0000322) | 0.00189 (0.00043, 0.00516) | - (0.0, 0.1)     | 0.0000038 (0.0000008, 0.0000103) | 0.0009 (0.00019, 0.00248)  |
| Kalimantan Utara | Transport injuries                            | 50  | 2.6 (1.0, 5.4)    | 0.000221 (0.0000824, 0.0004673)  | 0.03703 (0.01428, 0.07420) | 0.7 (0.2, 1.6)   | 0.0000791 (0.0000262, 0.0001780) | 0.01908 (0.00654, 0.04174) |
| Kalimantan Utara | Other unintentional injuries                  | 50  | 1.8 (0.5, 3.9)    | 0.0001539 (0.0000463, 0.0003375) | 0.02582 (0.00831, 0.05600) | 0.5 (0.1, 1.1)   | 0.0000564 (0.0000148, 0.0001288) | 0.01361 (0.00378, 0.03230) |
| Kalimantan Utara | Diarrheal diseases                            | 55  | 1.3 (0.4, 3.0)    | 0.0001572 (0.0000430, 0.0003575) | 0.01795 (0.00528, 0.03818) | 1.0 (0.3, 2.1)   | 0.0001555 (0.0000506, 0.0003315) | 0.02419 (0.00808, 0.04942) |
| Kalimantan Utara | HIV/AIDS                                      | 55  | - (0.0, 0.2)      | 0.0000047 (0.0000004, 0.0000217) | 0.00054 (0.00004, 0.00245) | - (0.0, 0.1)     | 0.0000037 (0.0000003, 0.0000177) | 0.00058 (0.00004, 0.00284) |
| Kalimantan Utara | Lower respiratory infections                  | 55  | 0.5 (0.1, 1.3)    | 0.0000566 (0.0000090, 0.0001568) | 0.00648 (0.00099, 0.01798) | 0.3 (0.0, 0.9)   | 0.00005 (0.0000078, 0.0001399)   | 0.00778 (0.00125, 0.02119) |
| Kalimantan Utara | Malaria                                       | 55  | 0.2 (0.0, 1.0)    | 0.0000183 (0.0000005, 0.0001230) | 0.00208 (0.00006, 0.01309) | 0.1 (0.0, 0.3)   | 0.0000082 (0.0000002, 0.0000515) | 0.00126 (0.00003, 0.00813) |
| Kalimantan Utara | Tuberculosis                                  | 55  | 2.7 (0.8, 5.8)    | 0.0003131 (0.0000903, 0.0006821) | 0.03569 (0.01139, 0.07559) | 0.9 (0.3, 2.3)   | 0.0001489 (0.0000404, 0.0003628) | 0.02308 (0.00653, 0.05489) |
| Kalimantan Utara | Other communicable diseases                   | 55  | 3.1 (1.2, 5.8)    | 0.0003683 (0.0001447, 0.0006885) | 0.0421 (0.01731, 0.07588)  | 1.9 (0.8, 3.3)   | 0.0003007 (0.0001299, 0.0005384) | 0.04683 (0.02173, 0.08061) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 55  | 2.7 (0.7, 5.7)    | 0.000322 (0.0000884, 0.0006721)  | 0.03684 (0.01038, 0.07533) | 0.5 (0.1, 1.3)   | 0.0000827 (0.0000175, 0.0002088) | 0.01291 (0.00264, 0.03186) |
| Kalimantan Utara | Breast cancer                                 | 55  | 0.1 (0.0, 0.2)    | 0.0000079 (0.0000016, 0.0000234) | 0.00091 (0.00018, 0.00276) | 0.9 (0.3, 2.2)   | 0.0001487 (0.0000421, 0.0003534) | 0.02326 (0.00660, 0.05458) |
| Kalimantan Utara | Cervical cancer                               | 55  |                   |                                  |                            | 1.3 (0.3, 3.1)   | 0.0002096 (0.0000405, 0.0004935) | 0.03257 (0.00656, 0.07353) |
| Kalimantan Utara | Other malignant neoplasms                     | 55  | 4.1 (1.8, 8.0)    | 0.0004782 (0.0002130, 0.0009443) | 0.0546 (0.02548, 0.10010)  | 0.8 (0.2, 2.2)   | 0.0001239 (0.0000254, 0.0003490) | 0.01918 (0.00430, 0.05455) |
| Kalimantan Utara | Cerebrovascular disease                       | 55  | 17.7 (10.9, 26.0) | 0.0020812 (0.0012903, 0.0030684) | 0.23745 (0.15734, 0.31820) | 9.0 (5.7, 13.0)  | 0.0014447 (0.0009144, 0.0020902) | 0.22488 (0.15665, 0.29581) |
| Kalimantan Utara | Ischemic heart disease                        | 55  | 14.6 (8.5, 21.8)  | 0.0017259 (0.0009971, 0.0025759) | 0.19735 (0.12031, 0.27613) | 4.6 (2.3, 7.5)   | 0.0007397 (0.0003770, 0.0012048) | 0.11503 (0.06209, 0.17841) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 55  | 2.2 (0.6, 4.8)    | 0.0002593 (0.0000741, 0.0005651) | 0.02964 (0.00868, 0.06623) | 1.1 (0.3, 2.5)   | 0.0001793 (0.0000518, 0.0004097) | 0.02787 (0.00850, 0.06232) |
| Kalimantan Utara | Diabetes mellitus                             | 55  | 7.2 (4.1, 12.1)   | 0.0008526 (0.0004858, 0.0014318) | 0.09741 (0.05628, 0.15312) | 10.7 (6.4, 16.0) | 0.0017221 (0.0010269, 0.0025692) | 0.26787 (0.17562, 0.35923) |
| Kalimantan Utara | Chronic kidney disease                        | 55  | 4.0 (2.1, 7.2)    | 0.0004706 (0.0002529, 0.0008501) | 0.05366 (0.03099, 0.08629) | 1.6 (0.8, 3.0)   | 0.0002564 (0.0001254, 0.0004822) | 0.03981 (0.02104, 0.06767) |
| Kalimantan Utara | Cirrhosis                                     | 55  | 3.0 (1.6, 5.1)    | 0.0003581 (0.0001893, 0.0005962) | 0.04094 (0.02333, 0.06763) | 1.2 (0.4, 2.6)   | 0.0001883 (0.0000593, 0.0004257) | 0.02936 (0.00986, 0.06555) |
| Kalimantan Utara | Chronic respiratory diseases                  | 55  | 2.8 (1.0, 6.0)    | 0.0003292 (0.0001232, 0.0007055) | 0.03758 (0.01505, 0.07507) | 0.9 (0.3, 2.0)   | 0.0001471 (0.0000561, 0.0003153) | 0.02289 (0.00941, 0.04516) |
| Kalimantan Utara | Other non-communicable diseases               | 55  | 3.5 (1.8, 5.9)    | 0.0004158 (0.0002129, 0.0006953) | 0.04748 (0.02729, 0.07625) | 1.7 (0.9, 2.8)   | 0.0002753 (0.0001484, 0.0004573) | 0.0429 (0.02446, 0.06760)  |
| Kalimantan Utara | Drowning                                      | 55  | 0.1 (0.0, 0.2)    | 0.0000078 (0.0000014, 0.0000240) | 0.00088 (0.00017, 0.00258) | - (0.0, 0.1)     | 0.0000055 (0.0000009, 0.0000175) | 0.00086 (0.00015, 0.00263) |
| Kalimantan Utara | Falls                                         | 55  | 0.9 (0.3, 2.3)    | 0.0001048 (0.0000300, 0.0002715) | 0.01196 (0.00352, 0.03051) | 0.4 (0.1, 1.1)   | 0.0000173 (0.0000029, 0.0001745) | 0.01111 (0.00346, 0.02795) |
| Kalimantan Utara | Interpersonal violence                        | 55  | 0.2 (0.1, 0.6)    | 0.0000288 (0.0000077, 0.0000698) | 0.00129 (0.00091, 0.00813) | 0.1 (0.0, 0.2)   | 0.0000125 (0.0000029, 0.0000345) | 0.00195 (0.00048, 0.00535) |
| Kalimantan Utara | Self-harm                                     | 55  | 0.1 (0.0, 0.3)    | 0.0000143 (0.0000030, 0.0000409) | 0.00164 (0.00037, 0.00444) | - (0.0, 0.1)     | 0.0000044 (0.0000008, 0.0000126) | 0.00069 (0.00014, 0.00192) |
| Kalimantan Utara | Transport injuries                            | 55  | 1.7 (0.6, 3.9)    | 0.0002058 (0.0000684, 0.0004582) | 0.02351 (0.00801, 0.04936) | 0.5 (0.1, 1.2)   | 0.000081 (0.0000236, 0.0001872)  | 0.01264 (0.00379, 0.02819) |
| Kalimantan Utara | Other unintentional injuries                  | 55  | 1.5 (0.4, 3.2)    | 0.0001751 (0.0000524, 0.0003827) | 0.02003 (0.00632, 0.04363) | 0.4 (0.1, 1.0)   | 0.0000672 (0.0000167, 0.0001610) | 0.0105 (0.00278, 0.02455)  |
| Kalimantan Utara | Diarrheal diseases                            | 60  | 1.7 (0.5, 3.7)    | 0.0003288 (0.0000985, 0.0007036) | 0.02179 (0.00658, 0.04479) | 1.3 (0.5, 2.7)   | 0.000305 (0.0001067, 0.0006320)  | 0.02904 (0.01008, 0.05763) |
| Kalimantan Utara | HIV/AIDS                                      | 60  | - (0.0, 0.1)      | 0.0000059 (0.0000004, 0.0000262) | 0.0004 (0.00003, 0.00177)  | - (0.0, 0.1)     | 0.0000045 (0.0000003, 0.0000199) | 0.00043 (0.00003, 0.00200) |
| Kalimantan Utara | Lower respiratory infections                  | 60  | 0.8 (0.1, 2.0)    | 0.0001488 (0.0000241, 0.0003847) | 0.00988 (0.00162, 0.02549) | 0.6 (0.1, 1.5)   | 0.0001313 (0.0000225, 0.0003410) | 0.0125 (0.00221, 0.03158)  |
| Kalimantan Utara | Malaria                                       | 60  | 0.2 (0.0, 1.1)    | 0.0000315 (0.0000008, 0.0002115) | 0.00208 (0.00006, 0.01349) | 0.1 (0.0, 0.3)   | 0.0000128 (0.0000003, 0.0000808) | 0.00121 (0.00003, 0.00891) |
| Kalimantan Utara | Tuberculosis                                  | 60  | 3.2 (1.1, 7.0)    | 0.0006164 (0.0002033, 0.0013280) | 0.04073 (0.01364, 0.08394) | 1.2 (0.3, 2.9)   | 0.0002844 (0.0000795, 0.0006801) | 0.02698 (0.00790, 0.06173) |
| Kalimantan Utara | Other communicable diseases                   | 60  | 3.1 (1.2, 5.9)    | 0.0005853 (0.0002217, 0.0011251) | 0.03876 (0.01603, 0.07173) | 2.0 (0.8, 3.7)   | 0.0004551 (0.0001852, 0.0008567) | 0.04334 (0.01903, 0.07989) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 60  | 2.8 (0.7, 6.2)    | 0.0005419 (0.0001400, 0.0011762) | 0.03592 (0.00917, 0.07578) | 0.6 (0.1, 1.5)   | 0.0001332 (0.0000256, 0.0003469) | 0.01272 (0.00252, 0.03380) |
| Kalimantan Utara | Breast cancer                                 | 60  | 0.1 (0.0, 0.2)    | 0.000011 (0.0000020, 0.0000349)  | 0.00073 (0.00013, 0.00226) | 0.6 (0.2, 1.6)   | 0.0001487 (0.0000381, 0.0003775) | 0.01422 (0.00368, 0.03641) |
| Kalimantan Utara | Cervical cancer                               | 60  |                   |                                  |                            | 1.2 (0.2, 2.8)   | 0.0002677 (0.0000529, 0.0006573) | 0.02545 (0.00501, 0.06067) |
| Kalimantan Utara | Other malignant neoplasms                     | 60  | 3.8 (1.7, 7.4)    | 0.0007248 (0.0003224, 0.0014079) | 0.04797 (0.02265, 0.08830) | 0.8 (0.2, 2.1)   | 0.0001821 (0.0000376, 0.0004811) | 0.01727 (0.00361, 0.04731) |
| Kalimantan Utara | Cerebrovascular disease                       | 60  | 20.6 (13.2, 29.4) | 0.0039208 (0.0025083, 0.0056080) | 0.25925 (0.17983, 0.34230) | 11.4 (7.5, 16.0) | 0.0026401 (0.0017369, 0.0037145) | 0.25135 (0.17932, 0.32768) |
| Kalimantan Utara | Ischemic heart disease                        | 60  | 14.7 (8.5, 22.3)  | 0.002807 (0.0016230, 0.0042442)  | 0.18599 (0.11321, 0.26650) | 5.4 (2.7, 8.7)   | 0.0012479 (0.0006368, 0.0020151) | 0.11868 (0.06474, 0.18428) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 60  | 2.5 (0.7, 5.5)    | 0.0004783 (0.0001407, 0.0010456) | 0.03167 (0.00950, 0.06913) | 1.3 (0.4, 3.0)   | 0.0003033 (0.0000871, 0.0006907) | 0.02885 (0.00883, 0.06452) |
| Kalimantan Utara | Diabetes mellitus                             | 60  | 6.6 (3.7, 10.8)   | 0.0012625 (0.0007009, 0.0020548) | 0.08359 (0.04826, 0.13474) | 11.1 (6.5, 16.9) | 0.0025703 (0.0015116, 0.0039279) | 0.24458 (0.14977, 0.33804) |
| Kalimantan Utara | Chronic kidney disease                        | 60  | 3.7 (1.9, 6.6)    | 0.0006963 (0.0003647, 0.0012481) | 0.04603 (0.02642, 0.07557) | 1.6 (0.8, 2.9)   | 0.0003615 (0.0001763, 0.0006838) | 0.03433 (0.01768, 0.05994) |
| Kalimantan Utara | Cirrhosis                                     | 60  | 2.9 (1.5, 4.8)    | 0.0005439 (0.0002884, 0.0009051) | 0.03603 (0.02025, 0.05948) | 1.2 (0.4, 2.8)   | 0.0002834 (0.0000888, 0.0006452) | 0.02702 (0.00843, 0.06324) |
| Kalimantan Utara | Chronic respiratory diseases                  | 60  | 4.3 (1.8, 8.2)    | 0.0008114 (0.0003334, 0.0015614) | 0.05368 (0.02332, 0.10147) | 1.4 (0.6, 2.9)   | 0.0003235 (0.0001355, 0.0006628) | 0.03079 (0.01332, 0.05963) |
| Kalimantan Utara | Other non-communicable diseases               | 60  | 4.2 (2.2, 6.9)    | 0.0007968 (0.0004182, 0.0013239) | 0.05273 (0.03036, 0.08383) | 2.2 (1.2, 3.5)   | 0.0004998 (0.0002748, 0.0008044) | 0.04762 (0.02755, 0.07536) |
| Kalimantan Utara | Drowning                                      | 60  | 0.1 (0.0, 0.2)    | 0.0000124 (0.0000023, 0.0000389) | 0.00082 (0.00016, 0.00255) | - (0.0, 0.1)     | 0.0000091 (0.0000014, 0.0000297) | 0.00087 (0.00014, 0.00283) |
| Kalimantan Utara | Falls                                         | 60  | 0.9 (0.3, 2.3)    | 0.0001731 (0.0000485, 0.0004465) | 0.01144 (0.00325, 0.02948) | 0.5 (0.1, 1.2)   | 0.0000116 (0.0000039, 0.0002885) | 0.01105 (0.00321, 0.02722) |
| Kalimantan Utara | Interpersonal violence                        | 60  | 0.2 (0.0, 0.4)    | 0.0000311 (0.0000078, 0.0000824) | 0.00206 (0.00053, 0.00557) | 0.1 (0.0, 0.2)   | 0.0000126 (0.0000026, 0.0000388) | 0.0012 (0.00026, 0.00364)  |
| Kalimantan Utara | Self-harm                                     | 60  | 0.1 (0.0, 0.3)    | 0.0000169 (0.0000035, 0.0000479) | 0.00112 (0.00024, 0.00307) | - (0.0, 0.1)     | 0.0000047 (0.0000008, 0.0000140) | 0.00045 (0.00008, 0.00133) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males             |                                  |                             | Females          |                                  |                             |
|------------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|------------------|----------------------------------|-----------------------------|
|                  |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                 |
| Kalimantan Utara | Transport injuries                            | 60  | 1.7 (0.5, 3.8)    | 0.0003174 (0.0001042, 0.0007295) | 0.02102 (0.00695, 0.04586)  | 0.5 (0.2, 1.2)   | 0.0001206 (0.0000354, 0.0002847) | 0.01153 (0.00333, 0.02742)  |
| Kalimantan Utara | Other unintentional injuries                  | 60  | 1.3 (0.4, 2.9)    | 0.0002463 (0.0000716, 0.0005597) | 0.01631 (0.00483, 0.03595)  | 0.4 (0.1, 0.9)   | 0.0000892 (0.0000221, 0.0002163) | 0.00853 (0.00218, 0.02042)  |
| Kalimantan Utara | Diarrheal diseases                            | 65  | 2.8 (1.0, 5.7)    | 0.0007567 (0.0002598, 0.0015198) | 0.03507 (0.01229, 0.06643)  | 1.7 (0.6, 3.2)   | 0.0006764 (0.0002558, 0.0012876) | 0.04316 (0.01729, 0.07900)  |
| Kalimantan Utara | HIV/AIDS                                      | 65  | - (0.0, 0.1)      | 0.0000074 (0.0000007, 0.0000306) | 0.00035 (0.000003, 0.00142) | - (0.0, 0.1)     | 0.0000058 (0.0000005, 0.0000246) | 0.00037 (0.000003, 0.00158) |
| Kalimantan Utara | Lower respiratory infections                  | 65  | 0.9 (0.2, 2.5)    | 0.0002495 (0.0000431, 0.0006607) | 0.01159 (0.00198, 0.03059)  | 0.5 (0.1, 1.4)   | 0.000217 (0.0000396, 0.0005537)  | 0.01385 (0.00253, 0.03549)  |
| Kalimantan Utara | Malaria                                       | 65  | 0.2 (0.0, 1.1)    | 0.0000426 (0.0000011, 0.0002887) | 0.00197 (0.00005, 0.01272)  | - (0.0, 0.3)     | 0.0000181 (0.0000003, 0.0001230) | 0.00115 (0.00002, 0.00827)  |
| Kalimantan Utara | Tuberculosis                                  | 65  | 3.1 (0.9, 7.1)    | 0.0008309 (0.0002462, 0.0018990) | 0.03845 (0.01240, 0.08382)  | 1.0 (0.3, 2.6)   | 0.0004213 (0.0001164, 0.0010563) | 0.02679 (0.00756, 0.06297)  |
| Kalimantan Utara | Other communicable diseases                   | 65  | 3.1 (1.2, 6.2)    | 0.0008379 (0.0003200, 0.0016410) | 0.03884 (0.01579, 0.07246)  | 1.5 (0.6, 3.0)   | 0.0006122 (0.0002493, 0.0011916) | 0.03907 (0.01647, 0.07450)  |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 65  | 2.7 (0.7, 6.3)    | 0.0007223 (0.0001837, 0.0016728) | 0.03353 (0.00856, 0.07494)  | 0.4 (0.1, 1.2)   | 0.0001691 (0.0000323, 0.0004751) | 0.01082 (0.00202, 0.03000)  |
| Kalimantan Utara | Breast cancer                                 | 65  | - (0.0, 0.1)      | 0.0000106 (0.0000017, 0.0000356) | 0.00049 (0.00008, 0.00163)  | 0.4 (0.1, 1.0)   | 0.0001585 (0.0000392, 0.0004063) | 0.01016 (0.00261, 0.02558)  |
| Kalimantan Utara | Cervical cancer                               | 65  |                   |                                  |                             | 0.7 (0.1, 1.8)   | 0.0002821 (0.0000487, 0.0007234) | 0.01799 (0.00312, 0.04562)  |
| Kalimantan Utara | Other malignant neoplasms                     | 65  | 2.9 (1.3, 5.8)    | 0.0007832 (0.0003399, 0.0015365) | 0.03631 (0.01661, 0.06895)  | 0.6 (0.1, 1.6)   | 0.0002569 (0.0000561, 0.0006596) | 0.01635 (0.00372, 0.04150)  |
| Kalimantan Utara | Cerebrovascular disease                       | 65  | 22.6 (14.5, 32.2) | 0.0060226 (0.0038719, 0.0085642) | 0.27886 (0.19661, 0.36380)  | 10.6 (7.1, 14.9) | 0.0042626 (0.0028376, 0.0059876) | 0.27206 (0.19573, 0.35356)  |
| Kalimantan Utara | Ischemic heart disease                        | 65  | 14.7 (8.3, 22.7)  | 0.0039267 (0.0021988, 0.0060415) | 0.18213 (0.10990, 0.26349)  | 4.8 (2.5, 8.0)   | 0.0019294 (0.0009924, 0.0032211) | 0.12296 (0.06820, 0.18880)  |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 65  | 2.8 (0.8, 6.2)    | 0.0007507 (0.0002257, 0.0016439) | 0.03481 (0.01071, 0.07563)  | 1.3 (0.4, 2.9)   | 0.0005131 (0.0001524, 0.0011567) | 0.03271 (0.01019, 0.07291)  |
| Kalimantan Utara | Diabetes mellitus                             | 65  | 5.4 (2.9, 9.0)    | 0.0014411 (0.0007780, 0.0024044) | 0.06679 (0.03766, 0.10702)  | 8.4 (4.8, 13.2)  | 0.0033924 (0.0019151, 0.0053026) | 0.21632 (0.12813, 0.30931)  |
| Kalimantan Utara | Chronic kidney disease                        | 65  | 3.4 (1.7, 6.1)    | 0.0008983 (0.0004624, 0.0016207) | 0.04158 (0.02308, 0.06835)  | 1.3 (0.6, 2.5)   | 0.0005222 (0.0002563, 0.0009865) | 0.03326 (0.01747, 0.05794)  |
| Kalimantan Utara | Cirrhosis                                     | 65  | 2.4 (1.3, 4.2)    | 0.0006406 (0.0003372, 0.0011066) | 0.02972 (0.01643, 0.04985)  | 0.9 (0.3, 2.0)   | 0.0003478 (0.0001092, 0.0008053) | 0.02222 (0.00696, 0.05198)  |
| Kalimantan Utara | Chronic respiratory diseases                  | 65  | 4.8 (2.0, 9.0)    | 0.0012848 (0.0005435, 0.0023856) | 0.05951 (0.02695, 0.10988)  | 1.4 (0.6, 2.8)   | 0.0005623 (0.0002493, 0.0011286) | 0.03588 (0.01613, 0.06836)  |
| Kalimantan Utara | Other non-communicable diseases               | 65  | 4.9 (2.6, 7.9)    | 0.0013006 (0.0006941, 0.0021052) | 0.06029 (0.03485, 0.09475)  | 2.2 (1.2, 3.5)   | 0.0008684 (0.0004961, 0.0014099) | 0.05547 (0.03215, 0.08810)  |
| Kalimantan Utara | Drowning                                      | 65  | 0.1 (0.0, 0.2)    | 0.000017 (0.0000030, 0.0000517)  | 0.00078 (0.00014, 0.00245)  | - (0.0, 0.1)     | 0.0000106 (0.0000015, 0.0000349) | 0.00067 (0.00010, 0.00218)  |
| Kalimantan Utara | Falls                                         | 65  | 1.1 (0.3, 2.8)    | 0.0002851 (0.0000797, 0.0007516) | 0.01321 (0.00407, 0.03355)  | 0.4 (0.1, 1.1)   | 0.0001721 (0.0000531, 0.0004385) | 0.01099 (0.00346, 0.02751)  |
| Kalimantan Utara | Interpersonal violence                        | 65  | 0.1 (0.0, 0.3)    | 0.0000313 (0.0000076, 0.0000882) | 0.00145 (0.00037, 0.00398)  | - (0.0, 0.1)     | 0.0000135 (0.0000027, 0.0000425) | 0.00086 (0.00018, 0.00266)  |
| Kalimantan Utara | Self-harm                                     | 65  | 0.1 (0.0, 0.2)    | 0.0000189 (0.0000038, 0.0000561) | 0.00088 (0.00018, 0.00252)  | - (0.0, 0.0)     | 0.0000058 (0.0000011, 0.0000169) | 0.00037 (0.00007, 0.00112)  |
| Kalimantan Utara | Transport injuries                            | 65  | 1.5 (0.4, 3.5)    | 0.0003989 (0.0001191, 0.0009299) | 0.01852 (0.00592, 0.04127)  | 0.4 (0.1, 0.9)   | 0.0001431 (0.0000364, 0.0003441) | 0.00916 (0.00241, 0.02246)  |
| Kalimantan Utara | Other unintentional injuries                  | 65  | 1.2 (0.4, 2.7)    | 0.0003206 (0.0000946, 0.0007324) | 0.01488 (0.00449, 0.03401)  | 0.3 (0.1, 0.7)   | 0.0001148 (0.0000268, 0.0002917) | 0.00736 (0.00177, 0.01838)  |
| Kalimantan Utara | Diarrheal diseases                            | 70  | 3.1 (1.2, 6.0)    | 0.0016091 (0.0006321, 0.0030851) | 0.04662 (0.01892, 0.08290)  | 2.3 (1.0, 4.2)   | 0.0014243 (0.0006219, 0.0025800) | 0.05555 (0.02532, 0.09438)  |
| Kalimantan Utara | HIV/AIDS                                      | 70  | - (0.0, 0.1)      | 0.0000154 (0.0000014, 0.0000634) | 0.00045 (0.00004, 0.00172)  | - (0.0, 0.1)     | 0.0000119 (0.0000010, 0.0000517) | 0.00046 (0.00004, 0.00194)  |
| Kalimantan Utara | Lower respiratory infections                  | 70  | 1.0 (0.2, 2.5)    | 0.0005072 (0.0000908, 0.0012976) | 0.01474 (0.00274, 0.03708)  | 0.7 (0.1, 1.8)   | 0.0004545 (0.0000842, 0.0011136) | 0.01775 (0.00342, 0.04351)  |
| Kalimantan Utara | Malaria                                       | 70  | 0.1 (0.0, 0.8)    | 0.00006 (0.0000014, 0.0004060)   | 0.00174 (0.00004, 0.01130)  | - (0.0, 0.3)     | 0.0000246 (0.0000005, 0.0001714) | 0.00096 (0.00002, 0.00661)  |
| Kalimantan Utara | Tuberculosis                                  | 70  | 2.6 (0.8, 6.0)    | 0.0013344 (0.0003975, 0.0030879) | 0.03866 (0.01214, 0.08773)  | 1.1 (0.3, 2.9)   | 0.0007002 (0.0001900, 0.0017786) | 0.02725 (0.00766, 0.06545)  |
| Kalimantan Utara | Other communicable diseases                   | 70  | 2.6 (1.0, 5.0)    | 0.0013519 (0.0005352, 0.0025951) | 0.03919 (0.01638, 0.07527)  | 1.6 (0.7, 3.2)   | 0.000983 (0.0004056, 0.0019720)  | 0.03838 (0.01650, 0.07485)  |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 70  | 1.9 (0.5, 4.7)    | 0.0009987 (0.0002329, 0.0024483) | 0.02898 (0.00660, 0.06906)  | 0.4 (0.1, 1.2)   | 0.0002604 (0.0000468, 0.0007640) | 0.01018 (0.00181, 0.02961)  |
| Kalimantan Utara | Breast cancer                                 | 70  | - (0.0, 0.1)      | 0.0000114 (0.0000016, 0.0000410) | 0.00033 (0.00005, 0.00115)  | 0.2 (0.1, 0.7)   | 0.0001521 (0.0000345, 0.0004083) | 0.00596 (0.00140, 0.01619)  |
| Kalimantan Utara | Cervical cancer                               | 70  |                   |                                  |                             | 0.5 (0.1, 1.2)   | 0.0002853 (0.0000433, 0.0007602) | 0.01113 (0.00166, 0.02928)  |
| Kalimantan Utara | Other malignant neoplasms                     | 70  | 1.8 (0.8, 3.6)    | 0.0009252 (0.0003951, 0.0018461) | 0.02683 (0.01213, 0.05145)  | 0.5 (0.1, 1.3)   | 0.0003223 (0.0000707, 0.0008188) | 0.01256 (0.00296, 0.03142)  |
| Kalimantan Utara | Cerebrovascular disease                       | 70  | 19.2 (12.6, 26.9) | 0.0098908 (0.0064802, 0.0139020) | 0.28646 (0.20514, 0.37196)  | 12.0 (8.3, 16.7) | 0.0074312 (0.0051077, 0.0103018) | 0.29004 (0.20957, 0.37406)  |
| Kalimantan Utara | Ischemic heart disease                        | 70  | 11.9 (6.6, 18.3)  | 0.00612 (0.0034216, 0.0094251)   | 0.17755 (0.10579, 0.26123)  | 5.5 (3.0, 9.0)   | 0.003405 (0.0018228, 0.0055862)  | 0.13275 (0.07489, 0.20323)  |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 70  | 2.5 (0.8, 5.4)    | 0.0013054 (0.0003900, 0.0028047) | 0.03788 (0.01176, 0.08140)  | 1.5 (0.4, 3.4)   | 0.0009105 (0.0002736, 0.0020872) | 0.03551 (0.01095, 0.07844)  |
| Kalimantan Utara | Diabetes mellitus                             | 70  | 3.3 (1.8, 5.6)    | 0.0017114 (0.0009094, 0.0028979) | 0.04961 (0.02692, 0.08102)  | 7.4 (4.0, 12.0)  | 0.004547 (0.0024613, 0.0073965)  | 0.17727 (0.09997, 0.27250)  |
| Kalimantan Utara | Chronic kidney disease                        | 70  | 2.4 (1.2, 4.4)    | 0.0012405 (0.0006376, 0.0022543) | 0.03593 (0.01978, 0.06009)  | 1.2 (0.6, 2.3)   | 0.0007608 (0.0003732, 0.0014442) | 0.02963 (0.01490, 0.05145)  |
| Kalimantan Utara | Cirrhosis                                     | 70  | 1.7 (0.9, 2.8)    | 0.0008617 (0.0004522, 0.0014417) | 0.02501 (0.01368, 0.04136)  | 0.8 (0.3, 1.9)   | 0.0004999 (0.0001562, 0.0011726) | 0.01952 (0.00594, 0.04627)  |
| Kalimantan Utara | Chronic respiratory diseases                  | 70  | 5.1 (2.3, 9.0)    | 0.0026058 (0.0011904, 0.0046690) | 0.07552 (0.03728, 0.13337)  | 1.8 (0.8, 3.5)   | 0.0011228 (0.0005153, 0.0021512) | 0.04383 (0.02026, 0.08096)  |
| Kalimantan Utara | Other non-communicable diseases               | 70  | 4.5 (2.5, 7.2)    | 0.0022991 (0.0012672, 0.0037080) | 0.06667 (0.03909, 0.10304)  | 2.6 (1.5, 4.1)   | 0.0016024 (0.0009214, 0.0025624) | 0.06259 (0.03691, 0.09813)  |
| Kalimantan Utara | Drowning                                      | 70  | 0.1 (0.0, 0.3)    | 0.0000449 (0.0000082, 0.0001415) | 0.0013 (0.00025, 0.00376)   | - (0.0, 0.1)     | 0.0000285 (0.0000049, 0.0000906) | 0.00111 (0.00019, 0.00335)  |
| Kalimantan Utara | Falls                                         | 70  | 0.9 (0.3, 2.3)    | 0.0004837 (0.0001522, 0.0011882) | 0.01402 (0.00445, 0.03374)  | 0.5 (0.2, 1.2)   | 0.0002983 (0.0000960, 0.0007122) | 0.01164 (0.00381, 0.02712)  |
| Kalimantan Utara | Interpersonal violence                        | 70  | 0.1 (0.0, 0.2)    | 0.0000339 (0.0000075, 0.0000947) | 0.00098 (0.00023, 0.00273)  | - (0.0, 0.1)     | 0.0000147 (0.0000027, 0.0000497) | 0.00057 (0.00011, 0.00189)  |
| Kalimantan Utara | Self-harm                                     | 70  | - (0.0, 0.1)      | 0.0000242 (0.0000047, 0.0000718) | 0.0007 (0.00014, 0.00200)   | - (0.0, 0.0)     | 0.0000074 (0.0000013, 0.0000228) | 0.00029 (0.00005, 0.00089)  |
| Kalimantan Utara | Transport injuries                            | 70  | 1.1 (0.3, 2.5)    | 0.000583 (0.0001706, 0.0012881)  | 0.01691 (0.00505, 0.03637)  | 0.3 (0.1, 0.8)   | 0.0002118 (0.0000548, 0.0005020) | 0.00829 (0.00221, 0.01946)  |
| Kalimantan Utara | Other unintentional injuries                  | 70  | 0.9 (0.3, 2.2)    | 0.0004799 (0.0001317, 0.0011101) | 0.01392 (0.00407, 0.03200)  | 0.3 (0.1, 0.7)   | 0.0001735 (0.0000389, 0.0004273) | 0.00679 (0.00158, 0.01668)  |
| Kalimantan Utara | Diarrheal diseases                            | 75  | 2.5 (1.0, 4.6)    | 0.0025338 (0.0010229, 0.0047587) | 0.05235 (0.02207, 0.09073)  | 2.4 (1.1, 4.2)   | 0.002484 (0.0011299, 0.0043586)  | 0.06125 (0.02850, 0.10069)  |
| Kalimantan Utara | HIV/AIDS                                      | 75  | - (0.0, 0.1)      | 0.0000161 (0.0000013, 0.0000697) | 0.00033 (0.00003, 0.00136)  | - (0.0, 0.1)     | 0.0000136 (0.0000011, 0.0000627) | 0.00034 (0.00003, 0.00153)  |
| Kalimantan Utara | Lower respiratory infections                  | 75  | 0.7 (0.1, 1.7)    | 0.0006986 (0.0001217, 0.0017750) | 0.01448 (0.00259, 0.03630)  | 0.7 (0.1, 1.6)   | 0.0006943 (0.0001297, 0.0016950) | 0.01714 (0.00335, 0.04130)  |
| Kalimantan Utara | Malaria                                       | 75  | 0.1 (0.0, 0.6)    | 0.0000894 (0.0000019, 0.0006026) | 0.00185 (0.00004, 0.01190)  | - (0.0, 0.2)     | 0.0000403 (0.0000008, 0.0002525) | 0.001 (0.00002, 0.00646)    |
| Kalimantan Utara | Tuberculosis                                  | 75  | 1.6 (0.5, 3.9)    | 0.0016565 (0.0004780, 0.0040425) | 0.03425 (0.01018, 0.08026)  | 0.9 (0.2, 2.4)   | 0.0009531 (0.0002527, 0.0025327) | 0.02345 (0.00636, 0.05900)  |
| Kalimantan Utara | Other communicable diseases                   | 75  | 1.6 (0.6, 3.4)    | 0.0016849 (0.0006294, 0.0034510) | 0.03485 (0.01365, 0.07140)  | 1.3 (0.5, 2.7)   | 0.0013653 (0.0005311, 0.0028030) | 0.03369 (0.01330, 0.06982)  |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 75  | 1.2 (0.3, 2.9)    | 0.0012316 (0.0002801, 0.0030145) | 0.02548 (0.00560, 0.06087)  | 0.3 (0.1, 0.9)   | 0.0003303 (0.0000587, 0.0009753) | 0.00815 (0.00144, 0.02351)  |
| Kalimantan Utara | Breast cancer                                 | 75  | - (0.0, 0.0)      | 0.0000106 (0.0000015, 0.0000403) | 0.00022 (0.00003, 0.00080)  | 0.2 (0.0, 0.5)   | 0.000175 (0.0000389, 0.0004733)  | 0.00433 (0.00099, 0.01216)  |
| Kalimantan Utara | Cervical cancer                               | 75  |                   |                                  |                             | 0.3 (0.0, 0.8)   | 0.0002929 (0.0000373, 0.0008066) | 0.00723 (0.00089, 0.01994)  |
| Kalimantan Utara | Other malignant neoplasms                     | 75  | 0.9 (0.4, 1.9)    | 0.0009713 (0.0004150, 0.0019495) | 0.0201 (0.00928, 0.03941)   | 0.4 (0.1, 1.1)   | 0.0004636 (0.0001186, 0.0011162) | 0.01143 (0.00294, 0.02745)  |
| Kalimantan Utara | Cerebrovascular disease                       | 75  | 13.4 (8.7, 18.8)  | 0.0138111 (0.0089397, 0.0193936) | 0.28534 (0.20243, 0.37433)  | 11.5 (8.0, 15.9) | 0.0119678 (0.0083755, 0.0165569) | 0.29531 (0.21184, 0.38208)  |
| Kalimantan Utara | Ischemic heart disease                        | 75  | 9.4 (5.2, 14.2)   | 0.0096281 (0.0053633, 0.0145733) | 0.1992 (0.12253, 0.28829)   | 5.9 (3.3, 9.3)   | 0.0061189 (0.0034073, 0.0096497) | 0.15083 (0.08480, 0.22768)  |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                |                                  |                            | Females            |                                  |                            |
|------------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 75  | 1.8 (0.6, 3.9)       | 0.001898 (0.0005674, 0.0039995)  | 0.03926 (0.01190, 0.08387) | 1.5 (0.4, 3.3)     | 0.0015268 (0.0004528, 0.0034176) | 0.03764 (0.01143, 0.08470) |
| Kalimantan Utara | Diabetes mellitus                                        | 75  | 2.0 (1.1, 3.4)       | 0.0020576 (0.0010918, 0.0035276) | 0.04255 (0.02347, 0.07061) | 6.2 (3.3, 10.3)    | 0.0064711 (0.0034158, 0.0107617) | 0.15949 (0.08702, 0.24852) |
| Kalimantan Utara | Chronic kidney disease                                   | 75  | 1.6 (0.8, 2.8)       | 0.0016196 (0.0008376, 0.0029296) | 0.03346 (0.01881, 0.05672) | 1.1 (0.5, 2.1)     | 0.0011368 (0.0005708, 0.0021380) | 0.02799 (0.01463, 0.04924) |
| Kalimantan Utara | Cirrhosis                                                | 75  | 1.0 (0.5, 1.7)       | 0.001033 (0.0005510, 0.0017347)  | 0.02139 (0.01164, 0.03544) | 0.7 (0.2, 1.5)     | 0.0006913 (0.0002116, 0.0015997) | 0.01705 (0.00529, 0.04040) |
| Kalimantan Utara | Chronic respiratory diseases                             | 75  | 3.5 (1.7, 6.4)       | 0.0036434 (0.0017310, 0.0065557) | 0.07533 (0.03713, 0.13024) | 1.7 (0.8, 3.3)     | 0.0018037 (0.0008651, 0.0033960) | 0.0445 (0.02095, 0.08056)  |
| Kalimantan Utara | Other non-communicable diseases                          | 75  | 3.6 (2.0, 5.7)       | 0.0037041 (0.0020888, 0.0058830) | 0.07662 (0.04553, 0.11879) | 2.9 (1.7, 4.5)     | 0.0029735 (0.0017275, 0.0046469) | 0.07341 (0.04389, 0.11175) |
| Kalimantan Utara | Drowning                                                 | 75  | 0.1 (0.0, 0.2)       | 0.000076 (0.0000143, 0.0002514)  | 0.00156 (0.00030, 0.00487) | 0.1 (0.0, 0.2)     | 0.0000524 (0.0000091, 0.0001616) | 0.00129 (0.00023, 0.00379) |
| Kalimantan Utara | Falls                                                    | 75  | 0.7 (0.2, 1.6)       | 0.0007257 (0.0002458, 0.0016887) | 0.01501 (0.00520, 0.03516) | 0.5 (0.2, 1.0)     | 0.0004892 (0.0001733, 0.0010941) | 0.01207 (0.00424, 0.02782) |
| Kalimantan Utara | Interpersonal violence                                   | 75  | - (0.0, 0.1)         | 0.0000375 (0.0000071, 0.0001228) | 0.00078 (0.00015, 0.00242) | - (0.0, 0.1)       | 0.0000172 (0.0000030, 0.0000590) | 0.00042 (0.00007, 0.00145) |
| Kalimantan Utara | Self-harm                                                | 75  | - (0.0, 0.1)         | 0.0000334 (0.0000067, 0.0001003) | 0.00069 (0.00014, 0.00194) | - (0.0, 0.0)       | 0.0000109 (0.0000020, 0.0000331) | 0.00027 (0.00005, 0.00080) |
| Kalimantan Utara | Transport injuries                                       | 75  | 0.6 (0.2, 1.3)       | 0.0005777 (0.0001604, 0.0013467) | 0.01194 (0.00329, 0.02743) | 0.2 (0.1, 0.6)     | 0.0002281 (0.0000569, 0.0005757) | 0.00563 (0.00143, 0.01431) |
| Kalimantan Utara | Other unintentional injuries                             | 75  | 0.6 (0.2, 1.4)       | 0.0006264 (0.0001708, 0.0014696) | 0.01297 (0.00372, 0.02948) | 0.2 (0.1, 0.6)     | 0.0002458 (0.0000567, 0.0006154) | 0.00608 (0.00143, 0.01496) |
| Kalimantan Utara | Diarrheal diseases                                       | 80  | 5.4 (2.7, 8.8)       | 0.0091967 (0.0046431, 0.0151662) | 0.08418 (0.04190, 0.13506) | 5.9 (3.2, 9.4)     | 0.0099165 (0.0052798, 0.0157633) | 0.09406 (0.05175, 0.14733) |
| Kalimantan Utara | HIV/AIDS                                                 | 80  | - (0.0, 0.1)         | 0.0000354 (0.0000024, 0.0001571) | 0.00033 (0.00002, 0.00147) | - (0.0, 0.1)       | 0.0000341 (0.0000021, 0.0001603) | 0.00032 (0.00002, 0.00146) |
| Kalimantan Utara | Lower respiratory infections                             | 80  | 1.1 (0.2, 2.8)       | 0.0018846 (0.0003416, 0.0047555) | 0.01728 (0.00320, 0.04298) | 1.3 (0.3, 3.1)     | 0.0022347 (0.0004587, 0.0051948) | 0.02122 (0.00445, 0.04969) |
| Kalimantan Utara | Malaria                                                  | 80  | 0.1 (0.0, 0.8)       | 0.0001995 (0.0000042, 0.0014329) | 0.00183 (0.00004, 0.01262) | 0.1 (0.0, 0.4)     | 0.000096 (0.0000017, 0.0006194)  | 0.00091 (0.00002, 0.00592) |
| Kalimantan Utara | Tuberculosis                                             | 80  | 1.8 (0.5, 4.5)       | 0.0031225 (0.0008546, 0.0077466) | 0.0286 (0.00769, 0.07136)  | 1.3 (0.3, 3.5)     | 0.0021421 (0.0005264, 0.0057708) | 0.0203 (0.00500, 0.05478)  |
| Kalimantan Utara | Other communicable diseases                              | 80  | 2.6 (1.0, 5.1)       | 0.0043905 (0.0016768, 0.0087617) | 0.04022 (0.01607, 0.08086) | 2.4 (0.9, 4.9)     | 0.0039637 (0.0015518, 0.0081397) | 0.03763 (0.01507, 0.07740) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer                      | 80  | 1.3 (0.3, 3.2)       | 0.002187 (0.0004446, 0.0055221)  | 0.02002 (0.00411, 0.05065) | 0.5 (0.1, 1.5)     | 0.0007973 (0.0001058, 0.0025693) | 0.00757 (0.00104, 0.02446) |
| Kalimantan Utara | Breast cancer                                            | 80  | - (0.0, 0.0)         | 0.0000146 (0.0000017, 0.0000571) | 0.00013 (0.00002, 0.00051) | 0.1 (0.0, 0.4)     | 0.000217 (0.0000402, 0.0006421)  | 0.00206 (0.00040, 0.00605) |
| Kalimantan Utara | Cervical cancer                                          | 80  |                      |                                  |                            | 0.2 (0.0, 0.7)     | 0.0004113 (0.0000442, 0.0012222) | 0.0039 (0.00043, 0.01169)  |
| Kalimantan Utara | Other malignant neoplasms                                | 80  | 0.9 (0.4, 1.9)       | 0.0016272 (0.0006910, 0.0033010) | 0.01491 (0.00655, 0.03013) | 0.5 (0.1, 1.1)     | 0.0007571 (0.0001979, 0.0018601) | 0.00719 (0.00180, 0.01778) |
| Kalimantan Utara | Cerebrovascular disease                                  | 80  | 18.5 (12.7, 24.9)    | 0.0317773 (0.0218428, 0.0426343) | 0.29088 (0.20697, 0.37799) | 19.2 (13.8, 25.6)  | 0.0320485 (0.0230088, 0.0426988) | 0.30419 (0.22129, 0.39153) |
| Kalimantan Utara | Ischemic heart disease                                   | 80  | 11.6 (6.6, 17.3)     | 0.019862 (0.0112917, 0.0296979)  | 0.18195 (0.10946, 0.26806) | 9.8 (5.6, 15.1)    | 0.0164126 (0.0093351, 0.0251833) | 0.15568 (0.08808, 0.23639) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 80  | 2.3 (0.7, 5.0)       | 0.0038901 (0.0011707, 0.0085024) | 0.03565 (0.01068, 0.07883) | 2.0 (0.6, 4.8)     | 0.0033932 (0.0009921, 0.0080282) | 0.03219 (0.00940, 0.07460) |
| Kalimantan Utara | Diabetes mellitus                                        | 80  | 2.1 (1.1, 3.5)       | 0.0035773 (0.0018931, 0.0060786) | 0.03277 (0.01710, 0.05587) | 8.1 (4.0, 13.4)    | 0.0135109 (0.0067145, 0.0223656) | 0.12816 (0.06475, 0.20694) |
| Kalimantan Utara | Chronic kidney disease                                   | 80  | 1.6 (0.9, 3.0)       | 0.0028214 (0.0014617, 0.0050828) | 0.02582 (0.01380, 0.04532) | 1.4 (0.7, 2.5)     | 0.0022696 (0.0011286, 0.0041879) | 0.02151 (0.01086, 0.03850) |
| Kalimantan Utara | Cirrhosis                                                | 80  | 1.2 (0.6, 2.0)       | 0.0020489 (0.0010842, 0.0034629) | 0.01878 (0.01006, 0.03169) | 1.0 (0.3, 2.3)     | 0.0016088 (0.0004938, 0.0037652) | 0.01527 (0.00479, 0.03625) |
| Kalimantan Utara | Chronic respiratory diseases                             | 80  | 4.8 (2.4, 8.2)       | 0.0081758 (0.0040920, 0.0140684) | 0.07488 (0.03854, 0.12833) | 2.5 (1.1, 4.7)     | 0.0041092 (0.0018516, 0.0077974) | 0.039 (0.01735, 0.07236)   |
| Kalimantan Utara | Other non-communicable diseases                          | 80  | 5.4 (3.1, 8.1)       | 0.0092248 (0.0053857, 0.0138922) | 0.0845 (0.05052, 0.12829)  | 5.0 (2.9, 7.8)     | 0.0083539 (0.0048792, 0.0130532) | 0.07931 (0.04708, 0.12016) |
| Kalimantan Utara | Drowning                                                 | 80  | 0.1 (0.0, 0.4)       | 0.000206 (0.0000307, 0.0006879)  | 0.00188 (0.00030, 0.00625) | 0.1 (0.0, 0.3)     | 0.0001663 (0.0000235, 0.0005627) | 0.00158 (0.00023, 0.00529) |
| Kalimantan Utara | Falls                                                    | 80  | 1.4 (0.5, 3.0)       | 0.0023539 (0.0008578, 0.0051916) | 0.02156 (0.00769, 0.04767) | 1.1 (0.4, 2.4)     | 0.001801 (0.0006698, 0.0039461)  | 0.01709 (0.00646, 0.03769) |
| Kalimantan Utara | Interpersonal violence                                   | 80  | - (0.0, 0.1)         | 0.0000575 (0.0000074, 0.0002217) | 0.00053 (0.00007, 0.00203) | - (0.0, 0.1)       | 0.000029 (0.0000034, 0.0001208)  | 0.00027 (0.00003, 0.00116) |
| Kalimantan Utara | Self-harm                                                | 80  | - (0.0, 0.1)         | 0.0000586 (0.0000108, 0.0001702) | 0.00054 (0.00010, 0.00152) | - (0.0, 0.0)       | 0.0000205 (0.0000031, 0.0000691) | 0.00019 (0.00003, 0.00063) |
| Kalimantan Utara | Transport injuries                                       | 80  | 0.7 (0.2, 1.7)       | 0.0011815 (0.0002975, 0.0028946) | 0.01082 (0.00270, 0.02638) | 0.3 (0.1, 0.9)     | 0.000525 (0.0001084, 0.0014473)  | 0.00499 (0.00105, 0.01366) |
| Kalimantan Utara | Other unintentional injuries                             | 80  | 0.8 (0.2, 2.0)       | 0.0013025 (0.0003287, 0.0033737) | 0.01194 (0.00297, 0.03052) | 0.3 (0.1, 1.0)     | 0.0005677 (0.0001145, 0.0015941) | 0.0054 (0.00109, 0.01519)  |
| Kalimantan Utara | Diarrheal diseases                                       | All | 38.0 (15.9, 69.1)    | 0.0001277 (0.0000534, 0.0002322) | 0.03846 (0.01574, 0.06884) | 33.4 (14.9, 56.1)  | 0.0001266 (0.0000564, 0.0002129) | 0.05569 (0.02632, 0.09150) |
| Kalimantan Utara | HIV/AIDS                                                 | All | 6.1 (0.9, 19.4)      | 0.0000204 (0.0000029, 0.0000651) | 0.00616 (0.00085, 0.01925) | 2.6 (0.3, 8.4)     | 0.0000097 (0.0000012, 0.0000320) | 0.0043 (0.00054, 0.01421)  |
| Kalimantan Utara | Lower respiratory infections                             | All | 24.0 (9.2, 46.6)     | 0.0000807 (0.0000308, 0.0001566) | 0.02431 (0.00979, 0.04621) | 16.0 (5.8, 32.2)   | 0.0000609 (0.0000221, 0.0001221) | 0.02675 (0.01025, 0.05153) |
| Kalimantan Utara | Malaria                                                  | All | 2.4 (0.1, 14.7)      | 0.000008 (0.0000002, 0.0000494)  | 0.0024 (0.00007, 0.01463)  | 1.0 (0.0, 5.8)     | 0.0000037 (0.0000001, 0.0000221) | 0.00162 (0.00004, 0.01028) |
| Kalimantan Utara | Tuberculosis                                             | All | 39.0 (13.6, 84.7)    | 0.0001312 (0.0000456, 0.0002847) | 0.03938 (0.01388, 0.08025) | 14.1 (4.1, 33.0)   | 0.0000533 (0.0000156, 0.0001253) | 0.02343 (0.00692, 0.05511) |
| Kalimantan Utara | Maternal disorders                                       | All |                      |                                  |                            | 6.3 (2.2, 13.0)    | 0.0000239 (0.0000083, 0.0000492) | 0.01051 (0.00384, 0.02026) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 12.0 (4.5, 24.0)     | 0.0000405 (0.0000150, 0.0000807) | 0.01213 (0.00474, 0.02359) | 8.0 (3.1, 17.0)    | 0.0000305 (0.0000117, 0.0000647) | 0.0133 (0.00524, 0.02721)  |
| Kalimantan Utara | Preterm birth complications                              | All | 36.4 (15.3, 63.4)    | 0.0001224 (0.0000516, 0.0002131) | 0.03674 (0.01616, 0.06318) | 32.5 (14.8, 57.2)  | 0.0001232 (0.0000561, 0.0002172) | 0.05376 (0.02597, 0.09216) |
| Kalimantan Utara | Other neonatal disorders                                 | All | 10.7 (2.2, 28.2)     | 0.0000359 (0.0000075, 0.0000947) | 0.01077 (0.00231, 0.03004) | 7.1 (1.2, 20.7)    | 0.0000207 (0.0000013, 0.0000787) | 0.01178 (0.00220, 0.03284) |
| Kalimantan Utara | Other communicable diseases                              | All | 81.0 (43.5, 127.2)   | 0.0002721 (0.0001461, 0.0004275) | 0.08194 (0.04733, 0.12284) | 47.8 (26.0, 77.4)  | 0.0001816 (0.0000986, 0.0002937) | 0.07984 (0.04622, 0.12456) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer                      | All | 22.3 (5.5, 50.7)     | 0.0000749 (0.0000185, 0.0001702) | 0.02253 (0.00583, 0.05063) | 5.6 (1.2, 14.5)    | 0.0000213 (0.0000044, 0.0000551) | 0.00942 (0.00195, 0.02418) |
| Kalimantan Utara | Breast cancer                                            | All | 0.5 (0.1, 1.3)       | 0.0000015 (0.0000003, 0.0000043) | 0.00046 (0.00009, 0.00131) | 10.5 (3.5, 22.5)   | 0.0000398 (0.0000131, 0.0000856) | 0.01755 (0.00585, 0.03804) |
| Kalimantan Utara | Cervical cancer                                          | All |                      |                                  |                            | 12.6 (2.4, 30.0)   | 0.0000478 (0.0000093, 0.0001137) | 0.02102 (0.00422, 0.04912) |
| Kalimantan Utara | Other malignant neoplasms                                | All | 49.2 (23.6, 93.9)    | 0.0001654 (0.0000793, 0.0003155) | 0.04974 (0.02413, 0.09156) | 14.5 (5.2, 32.5)   | 0.0000551 (0.0000197, 0.0001234) | 0.02419 (0.00863, 0.05312) |
| Kalimantan Utara | Cerebrovascular disease                                  | All | 161.2 (100.5, 229.8) | 0.0005417 (0.0003377, 0.0007723) | 0.1628 (0.10690, 0.22395)  | 98.1 (65.3, 138.8) | 0.0003723 (0.0002480, 0.0005269) | 0.16409 (0.11196, 0.22139) |
| Kalimantan Utara | Ischemic heart disease                                   | All | 126.6 (72.0, 190.5)  | 0.0004256 (0.0002419, 0.0006402) | 0.12812 (0.07555, 0.18872) | 51.6 (27.8, 82.2)  | 0.0001959 (0.0001057, 0.0003118) | 0.08622 (0.04725, 0.13409) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | All | 22.1 (6.6, 47.9)     | 0.0000743 (0.0000220, 0.0001610) | 0.02239 (0.00677, 0.04972) | 13.1 (3.9, 30.0)   | 0.0000499 (0.0000148, 0.0001137) | 0.02197 (0.00680, 0.05124) |
| Kalimantan Utara | Diabetes mellitus                                        | All | 44.9 (24.5, 73.9)    | 0.0001507 (0.0000824, 0.0002482) | 0.04531 (0.02552, 0.07411) | 82.5 (46.6, 130.5) | 0.0003131 (0.0001770, 0.0004952) | 0.13777 (0.07913, 0.20462) |
| Kalimantan Utara | Chronic kidney disease                                   | All | 40.8 (22.0, 70.9)    | 0.000137 (0.0000740, 0.0002382)  | 0.04119 (0.02354, 0.06815) | 20.2 (10.5, 36.2)  | 0.0000766 (0.0000400, 0.0001376) | 0.03368 (0.01855, 0.05793) |
| Kalimantan Utara | Cirrhosis                                                | All | 30.5 (16.3, 50.3)    | 0.0001025 (0.0000549, 0.0001690) | 0.03085 (0.01730, 0.05008) | 12.1 (3.9, 26.7)   | 0.0000459 (0.0000150, 0.0001014) | 0.02021 (0.00652, 0.04495) |
| Kalimantan Utara | Chronic respiratory diseases                             | All | 39.4 (17.1, 74.0)    | 0.0001323 (0.0000576, 0.0002486) | 0.03984 (0.01770, 0.07422) | 14.0 (6.1, 28.0)   | 0.000053 (0.0000232, 0.0001064)  | 0.02334 (0.01019, 0.04447) |
| Kalimantan Utara | Other non-communicable diseases                          | All | 81.6 (51.3, 116.5)   | 0.0002741 (0.0001723, 0.0003915) | 0.08247 (0.05548, 0.11411) | 58.7 (37.5, 84.4)  | 0.0002228 (0.0001421, 0.0003203) | 0.09798 (0.06677, 0.13032) |
| Kalimantan Utara | Drowning                                                 | All | 7.3 (2.4, 16.2)      | 0.0000247 (0.0000079, 0.0000545) | 0.00745 (0.00248, 0.01640) | 2.1 (0.6, 5.2)     | 0.0000081 (0.0000023, 0.0000198) | 0.00359 (0.00106, 0.00899) |
| Kalimantan Utara | Falls                                                    | All | 13.3 (4.4, 33.3)     | 0.0000448 (0.0000148, 0.0001118) | 0.01349 (0.00454, 0.03302) | 5.9 (2.0, 14.2)    | 0.0000225 (0.0000076, 0.0000539) | 0.00992 (0.00342, 0.02431) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males               |                                  |                             | Females            |                                  |                            |
|------------------|----------------------------------------------------------|-----|---------------------|----------------------------------|-----------------------------|--------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Kalimantan Utara | Interpersonal violence                                   | All | 6.9 (2.4, 14.9)     | 0.0000231 (0.0000082, 0.0000502) | 0.00695 (0.00248, 0.01522)  | 3.0 (1.0, 6.9)     | 0.0000115 (0.0000038, 0.0000262) | 0.00505 (0.00167, 0.01099) |
| Kalimantan Utara | Self-harm                                                | All | 2.1 (0.5, 5.4)      | 0.0000071 (0.0000018, 0.0000181) | 0.00212 (0.00054, 0.00509)  | 0.7 (0.2, 1.8)     | 0.0000026 (0.0000006, 0.0000068) | 0.00116 (0.00027, 0.00292) |
| Kalimantan Utara | Transport injuries                                       | All | 54.3 (26.6, 94.1)   | 0.0001825 (0.0000893, 0.0003164) | 0.05499 (0.02675, 0.09276)  | 14.3 (5.8, 27.5)   | 0.0000541 (0.0000220, 0.0001042) | 0.02387 (0.00973, 0.04600) |
| Kalimantan Utara | Other unintentional injuries                             | All | 36.5 (13.7, 69.8)   | 0.0001228 (0.0000460, 0.0002344) | 0.03699 (0.01407, 0.07145)  | 10.7 (3.6, 22.2)   | 0.0000408 (0.0000137, 0.0000842) | 0.01802 (0.00607, 0.03837) |
| Sulawesi Utara   | Diarrheal diseases                                       | NN  | 4.1 (1.4, 8.7)      | 0.0024047 (0.0008130, 0.0050944) | 0.00826 (0.00397, 0.01442)  | 3.3 (1.2, 7.3)     | 0.0019981 (0.0007009, 0.0044044) | 0.00922 (0.00454, 0.01572) |
| Sulawesi Utara   | Lower respiratory infections                             | NN  | 36.2 (15.4, 67.0)   | 0.0212462 (0.0090194, 0.0393017) | 0.07313 (0.04678, 0.10587)  | 21.4 (9.6, 41.4)   | 0.0128827 (0.0057785, 0.0249558) | 0.0599 (0.03770, 0.08636)  |
| Sulawesi Utara   | Malaria                                                  | NN  | 0.2 (0.0, 0.7)      | 0.0000955 (0.0000066, 0.0004193) | 0.00033 (0.00003, 0.00155)  | 0.1 (0.0, 0.5)     | 0.0000598 (0.0000042, 0.0002787) | 0.00027 (0.00002, 0.00120) |
| Sulawesi Utara   | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 96.1 (39.5, 180.9)  | 0.0563516 (0.0231450, 0.1060659) | 0.19421 (0.11545, 0.28845)  | 62.9 (24.6, 122.8) | 0.0378935 (0.0148130, 0.0740488) | 0.1755 (0.10246, 0.26003)  |
| Sulawesi Utara   | Preterm birth complications                              | NN  | 110.7 (42.8, 204.3) | 0.0649009 (0.0250855, 0.1197720) | 0.22346 (0.13129, 0.32557)  | 95.8 (38.2, 181.9) | 0.0577464 (0.0230594, 0.1096613) | 0.26857 (0.16101, 0.37093) |
| Sulawesi Utara   | Other neonatal disorders                                 | NN  | 119.6 (40.6, 236.4) | 0.0701282 (0.0238196, 0.1385853) | 0.24023 (0.10446, 0.37665)  | 77.9 (23.7, 166.7) | 0.0469509 (0.0142957, 0.1005068) | 0.21828 (0.09316, 0.35665) |
| Sulawesi Utara   | Other communicable diseases                              | NN  | 4.4 (1.5, 9.7)      | 0.0025993 (0.0008959, 0.0057075) | 0.00897 (0.00437, 0.01624)  | 2.5 (0.8, 5.8)     | 0.0014946 (0.0005012, 0.0034945) | 0.00693 (0.00328, 0.01278) |
| Sulawesi Utara   | Other malignant neoplasms                                | NN  | 9.1 (3.5, 18.9)     | 0.0053221 (0.0020414, 0.0110780) | 0.01828 (0.00998, 0.03064)  | 7.2 (2.6, 14.7)    | 0.0043285 (0.0015831, 0.0088654) | 0.02002 (0.01113, 0.03378) |
| Sulawesi Utara   | Cerebrovascular disease                                  | NN  | 1.5 (0.4, 3.9)      | 0.0008657 (0.0002077, 0.0022831) | 0.003 (0.00089, 0.00690)    | 1.5 (0.4, 3.7)     | 0.0008925 (0.0002268, 0.0022407) | 0.0042 (0.00133, 0.00973)  |
| Sulawesi Utara   | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 2.5)      | 0.0005603 (0.0001219, 0.0014840) | 0.00194 (0.00052, 0.00472)  | 0.9 (0.2, 2.5)     | 0.0005523 (0.0001147, 0.0015258) | 0.00259 (0.00073, 0.00666) |
| Sulawesi Utara   | Diabetes mellitus                                        | NN  | 0.4 (0.0, 3.2)      | 0.0002255 (0.0000012, 0.0018775) | 0.00074 (0.00000, 0.00609)  | 0.6 (0.0, 4.5)     | 0.0003717 (0.0000020, 0.0026882) | 0.00167 (0.00001, 0.01281) |
| Sulawesi Utara   | Other non-communicable diseases                          | NN  | 83.0 (40.5, 137.1)  | 0.0486307 (0.0237520, 0.0803977) | 0.16696 (0.13707, 0.19954)  | 73.8 (35.9, 127.1) | 0.0445204 (0.0216593, 0.0766413) | 0.20685 (0.17091, 0.24661) |
| Sulawesi Utara   | Drowning                                                 | NN  | 5.4 (1.2, 14.4)     | 0.0031859 (0.0006794, 0.0084300) | 0.01106 (0.00270, 0.02722)  | 1.3 (0.2, 4.0)     | 0.0008136 (0.0001482, 0.0024240) | 0.00378 (0.00083, 0.00995) |
| Sulawesi Utara   | Falls                                                    | NN  | 2.0 (0.5, 4.6)      | 0.0011488 (0.0002879, 0.0026694) | 0.00394 (0.00136, 0.00822)  | 0.7 (0.2, 1.7)     | 0.0003968 (0.0000919, 0.0010274) | 0.00185 (0.00060, 0.00394) |
| Sulawesi Utara   | Interpersonal violence                                   | NN  | 1.5 (0.4, 3.7)      | 0.0008698 (0.0002348, 0.0021739) | 0.00298 (0.00109, 0.00656)  | 0.9 (0.2, 2.1)     | 0.000529 (0.0001325, 0.0012933)  | 0.00247 (0.00079, 0.00554) |
| Sulawesi Utara   | Transport injuries                                       | NN  | 8.0 (2.4, 17.4)     | 0.004698 (0.0014284, 0.0101907)  | 0.01611 (0.00695, 0.02988)  | 2.0 (0.6, 4.6)     | 0.0012116 (0.0003657, 0.0028009) | 0.00565 (0.00238, 0.01066) |
| Sulawesi Utara   | Other unintentional injuries                             | NN  | 13.1 (4.8, 26.7)    | 0.0076815 (0.0028165, 0.0156765) | 0.02639 (0.01382, 0.04372)  | 4.4 (1.6, 8.8)     | 0.0026253 (0.0009418, 0.0053105) | 0.01226 (0.00654, 0.02072) |
| Sulawesi Utara   | Diarrheal diseases                                       | PNN | 60.2 (25.3, 113.7)  | 0.0028295 (0.0011867, 0.0053403) | 0.2067 (0.12733, 0.28394)   | 71.8 (31.3, 137.5) | 0.0034702 (0.0015107, 0.0066394) | 0.25324 (0.16034, 0.33621) |
| Sulawesi Utara   | HIV/AIDS                                                 | PNN | 2.8 (0.3, 9.8)      | 0.0001297 (0.0000160, 0.0004601) | 0.0094 (0.00135, 0.03020)   | 2.4 (0.3, 8.3)     | 0.0001136 (0.0000134, 0.0004008) | 0.00827 (0.00116, 0.02754) |
| Sulawesi Utara   | Lower respiratory infections                             | PNN | 39.1 (17.4, 69.7)   | 0.0018383 (0.0008159, 0.0032743) | 0.13459 (0.09274, 0.17829)  | 32.5 (15.1, 61.6)  | 0.0015713 (0.0007308, 0.0029746) | 0.11564 (0.08143, 0.15627) |
| Sulawesi Utara   | Malaria                                                  | PNN | 2.3 (0.2, 10.1)     | 0.0001079 (0.0000091, 0.0004721) | 0.00808 (0.00075, 0.03488)  | 2.0 (0.2, 8.6)     | 0.0000988 (0.0000090, 0.0004166) | 0.00722 (0.00073, 0.02979) |
| Sulawesi Utara   | Tuberculosis                                             | PNN | 5.2 (1.6, 11.8)     | 0.0002427 (0.0000748, 0.0005533) | 0.01765 (0.00733, 0.03441)  | 4.7 (1.5, 10.8)    | 0.0002247 (0.0000713, 0.0005227) | 0.01645 (0.00659, 0.03222) |
| Sulawesi Utara   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 3.0 (0.7, 8.0)      | 0.0001389 (0.0000324, 0.0003761) | 0.01017 (0.00304, 0.02451)  | 2.6 (0.6, 7.7)     | 0.0001278 (0.0000303, 0.0003722) | 0.00927 (0.00287, 0.02299) |
| Sulawesi Utara   | Preterm birth complications                              | PNN | 10.1 (2.7, 25.2)    | 0.0004728 (0.0001277, 0.0011816) | 0.03471 (0.01188, 0.07658)  | 17.4 (3.5, 34.2)   | 0.0006472 (0.0001669, 0.0016542) | 0.0475 (0.01711, 0.09756)  |
| Sulawesi Utara   | Other neonatal disorders                                 | PNN | 20.1 (3.8, 56.0)    | 0.0009456 (0.0001782, 0.0026309) | 0.06932 (0.01535, 0.18126)  | 13.7 (3.3, 53.0)   | 0.0008551 (0.0001593, 0.0025619) | 0.06295 (0.01381, 0.17948) |
| Sulawesi Utara   | Other communicable diseases                              | PNN | 72.5 (33.7, 130.3)  | 0.0034039 (0.0015828, 0.0061187) | 0.24923 (0.16109, 0.33339)  | 59.8 (25.0, 110.6) | 0.0028908 (0.0012058, 0.0053416) | 0.21193 (0.13433, 0.29386) |
| Sulawesi Utara   | Other malignant neoplasms                                | PNN | 4.9 (1.9, 9.9)      | 0.0002301 (0.0000908, 0.0004630) | 0.01686 (0.00921, 0.02766)  | 5.3 (2.1, 11.1)    | 0.000256 (0.0000995, 0.0005347)  | 0.0187 (0.01050, 0.03117)  |
| Sulawesi Utara   | Cerebrovascular disease                                  | PNN | 0.8 (0.2, 2.0)      | 0.0000377 (0.0000097, 0.0000958) | 0.00278 (0.000082, 0.00648) | 1.1 (0.3, 2.7)     | 0.0000533 (0.0000142, 0.0001309) | 0.00393 (0.00124, 0.00913) |
| Sulawesi Utara   | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.2)      | 0.0000125 (0.0000008, 0.0000580) | 0.00092 (0.00007, 0.00423)  | 0.4 (0.0, 1.8)     | 0.0000178 (0.0000012, 0.0000866) | 0.00131 (0.00010, 0.00596) |
| Sulawesi Utara   | Other cardiovascular and circulatory diseases            | PNN | 0.5 (0.1, 1.5)      | 0.0000244 (0.0000054, 0.0000684) | 0.00179 (0.00049, 0.00435)  | 0.7 (0.2, 1.8)     | 0.0000327 (0.0000080, 0.0000888) | 0.00241 (0.00069, 0.00612) |
| Sulawesi Utara   | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.6)      | 0.0000096 (0.0000000, 0.0000751) | 0.00069 (0.00000, 0.00566)  | 0.5 (0.0, 3.7)     | 0.0000218 (0.0000001, 0.0001772) | 0.00156 (0.00001, 0.01215) |
| Sulawesi Utara   | Chronic kidney disease                                   | PNN | 4.7 (1.7, 10.3)     | 0.0002202 (0.0000791, 0.0004827) | 0.01611 (0.00782, 0.02839)  | 5.1 (1.7, 11.6)    | 0.0002486 (0.0000827, 0.0005624) | 0.01814 (0.00879, 0.03309) |
| Sulawesi Utara   | Other non-communicable diseases                          | PNN | 44.6 (21.0, 76.1)   | 0.0020965 (0.0009881, 0.0035765) | 0.15321 (0.12426, 0.18693)  | 54.3 (25.8, 96.7)  | 0.0026223 (0.0012449, 0.0046725) | 0.19209 (0.15658, 0.23413) |
| Sulawesi Utara   | Drowning                                                 | PNN | 3.7 (0.8, 9.4)      | 0.0001735 (0.0000384, 0.0004429) | 0.01282 (0.00326, 0.03055)  | 1.3 (0.3, 3.6)     | 0.0000608 (0.0000121, 0.0001762) | 0.00443 (0.00100, 0.01138) |
| Sulawesi Utara   | Falls                                                    | PNN | 1.3 (0.4, 3.0)      | 0.0000598 (0.0000167, 0.0001395) | 0.00439 (0.00156, 0.00902)  | 0.6 (0.2, 1.4)     | 0.0000281 (0.0000078, 0.0000663) | 0.00208 (0.00070, 0.00439) |
| Sulawesi Utara   | Interpersonal violence                                   | PNN | 0.9 (0.3, 2.4)      | 0.0000445 (0.0000127, 0.0001124) | 0.00325 (0.00124, 0.00704)  | 0.8 (0.2, 1.8)     | 0.0000369 (0.0000103, 0.0000882) | 0.00273 (0.00093, 0.00600) |
| Sulawesi Utara   | Transport injuries                                       | PNN | 5.4 (1.8, 11.5)     | 0.0002526 (0.0000839, 0.0005384) | 0.01843 (0.00824, 0.03354)  | 1.8 (0.6, 4.3)     | 0.0000891 (0.0000286, 0.0002096) | 0.00655 (0.00286, 0.01191) |
| Sulawesi Utara   | Other unintentional injuries                             | PNN | 8.4 (3.3, 15.8)     | 0.0003936 (0.0001562, 0.0007414) | 0.0289 (0.01579, 0.04690)   | 3.8 (1.5, 7.5)     | 0.0001843 (0.0000705, 0.0003618) | 0.0136 (0.00750, 0.02234)  |
| Sulawesi Utara   | Diarrheal diseases                                       | 1   | 14.9 (4.9, 32.7)    | 0.0001653 (0.0000548, 0.0003636) | 0.11158 (0.06193, 0.16786)  | 13.6 (5.0, 27.2)   | 0.000158 (0.0000580, 0.0003165)  | 0.1516 (0.09129, 0.22113)  |
| Sulawesi Utara   | HIV/AIDS                                                 | 1   | 1.6 (0.2, 5.9)      | 0.0000173 (0.0000020, 0.0000656) | 0.01163 (0.00174, 0.03678)  | 1.0 (0.1, 3.8)     | 0.000012 (0.0000014, 0.0000440)  | 0.01152 (0.00166, 0.03786) |
| Sulawesi Utara   | Lower respiratory infections                             | 1   | 22.0 (8.2, 48.3)    | 0.0002447 (0.0000910, 0.0005368) | 0.16447 (0.11408, 0.21700)  | 14.4 (5.7, 30.2)   | 0.0001672 (0.0000661, 0.0003512) | 0.15946 (0.11095, 0.21113) |
| Sulawesi Utara   | Malaria                                                  | 1   | 0.5 (0.0, 2.3)      | 0.0000054 (0.0000004, 0.0000261) | 0.00352 (0.00034, 0.01547)  | 0.3 (0.0, 1.5)     | 0.0000037 (0.0000003, 0.0000177) | 0.00349 (0.00036, 0.01415) |
| Sulawesi Utara   | Tuberculosis                                             | 1   | 3.1 (0.9, 7.2)      | 0.0000342 (0.0000101, 0.0000806) | 0.02312 (0.01057, 0.04212)  | 2.2 (0.7, 5.4)     | 0.0000254 (0.0000082, 0.0000627) | 0.02436 (0.01076, 0.04516) |
| Sulawesi Utara   | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.9 (0.2, 2.9)      | 0.0000098 (0.0000019, 0.0000324) | 0.00651 (0.00184, 0.01575)  | 0.6 (0.1, 1.7)     | 0.0000065 (0.0000014, 0.0000195) | 0.00622 (0.00172, 0.01497) |
| Sulawesi Utara   | Preterm birth complications                              | 1   | 0.6 (0.1, 2.1)      | 0.0000063 (0.0000009, 0.0000234) | 0.00418 (0.00074, 0.01294)  | 0.6 (0.1, 1.9)     | 0.0000064 (0.0000009, 0.0000226) | 0.00605 (0.00110, 0.01920) |
| Sulawesi Utara   | Other neonatal disorders                                 | 1   | 0.9 (0.0, 7.4)      | 0.0000103 (0.0000000, 0.0000820) | 0.00651 (0.00004, 0.04547)  | 0.6 (0.0, 4.4)     | 0.0000066 (0.0000000, 0.0000514) | 0.00609 (0.00004, 0.04341) |
| Sulawesi Utara   | Other communicable diseases                              | 1   | 39.5 (14.1, 81.0)   | 0.000439 (0.0001565, 0.0009008)  | 0.29444 (0.22557, 0.36271)  | 25.6 (10.7, 52.3)  | 0.0002968 (0.0001241, 0.0006077) | 0.28288 (0.21238, 0.35197) |
| Sulawesi Utara   | Other malignant neoplasms                                | 1   | 1.9 (0.6, 4.5)      | 0.0000213 (0.0000065, 0.0000496) | 0.01432 (0.00777, 0.02461)  | 1.7 (0.5, 3.8)     | 0.0000197 (0.0000063, 0.0000443) | 0.01878 (0.01034, 0.03206) |
| Sulawesi Utara   | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 1.1)      | 0.0000039 (0.0000008, 0.0000119) | 0.00257 (0.00074, 0.00622)  | 0.4 (0.1, 1.2)     | 0.0000046 (0.0000010, 0.0000134) | 0.00431 (0.00133, 0.00996) |
| Sulawesi Utara   | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.6)      | 0.0000013 (0.0000001, 0.0000068) | 0.00087 (0.00007, 0.00417)  | 0.1 (0.0, 0.7)     | 0.0000015 (0.0000001, 0.0000086) | 0.00146 (0.00011, 0.00654) |
| Sulawesi Utara   | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)      | 0.0000023 (0.0000004, 0.0000069) | 0.00156 (0.00040, 0.00391)  | 0.2 (0.0, 0.7)     | 0.0000026 (0.0000005, 0.0000076) | 0.00248 (0.00071, 0.00645) |
| Sulawesi Utara   | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.7)      | 0.0000009 (0.0000000, 0.0000075) | 0.00059 (0.00000, 0.00461)  | 0.1 (0.0, 1.1)     | 0.0000016 (0.0000000, 0.0000125) | 0.00159 (0.00001, 0.01164) |
| Sulawesi Utara   | Chronic kidney disease                                   | 1   | 1.8 (0.5, 4.3)      | 0.0000196 (0.0000057, 0.0000481) | 0.01323 (0.00613, 0.02411)  | 1.6 (0.5, 3.7)     | 0.0000184 (0.0000057, 0.0000428) | 0.01762 (0.00836, 0.03245) |
| Sulawesi Utara   | Cirrhosis                                                | 1   | 1.5 (0.4, 3.9)      | 0.0000162 (0.0000040, 0.0000436) | 0.01085 (0.00422, 0.02223)  | 0.7 (0.2, 1.9)     | 0.0000085 (0.0000023, 0.0000226) | 0.00807 (0.00321, 0.01729) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Chronic respiratory diseases                  | 1   | 3.4 (0.9, 9.1)    | 0.0000378 (0.0000102, 0.0001011) | 0.02532 (0.00975, 0.04756) | 1.3 (0.4, 3.6)   | 0.0000155 (0.0000041, 0.0000418) | 0.01491 (0.00525, 0.03113) |
| Sulawesi Utara | Other non-communicable diseases               | 1   | 17.4 (6.3, 36.1)  | 0.0001937 (0.0000700, 0.0004016) | 0.13013 (0.00977, 0.16452) | 17.4 (7.2, 35.4) | 0.000202 (0.0000841, 0.0004115)  | 0.19299 (0.15468, 0.23724) |
| Sulawesi Utara | Drowning                                      | 1   | 5.8 (1.2, 16.2)   | 0.0000645 (0.0000132, 0.0001798) | 0.04343 (0.01211, 0.09213) | 1.6 (0.3, 4.6)   | 0.0000187 (0.0000036, 0.0000539) | 0.01785 (0.00452, 0.04232) |
| Sulawesi Utara | Falls                                         | 1   | 1.4 (0.4, 3.5)    | 0.0000155 (0.0000041, 0.0000390) | 0.01043 (0.00395, 0.02042) | 0.5 (0.1, 1.4)   | 0.0000061 (0.0000015, 0.0000159) | 0.00582 (0.00192, 0.01231) |
| Sulawesi Utara | Interpersonal violence                        | 1   | 0.8 (0.2, 2.1)    | 0.0000094 (0.0000023, 0.0000239) | 0.00631 (0.00241, 0.01280) | 0.6 (0.1, 1.4)   | 0.0000065 (0.0000017, 0.0000164) | 0.00622 (0.00228, 0.01242) |
| Sulawesi Utara | Transport injuries                            | 1   | 7.4 (2.3, 17.0)   | 0.0000822 (0.0000260, 0.0001894) | 0.05539 (0.02715, 0.09268) | 2.1 (0.7, 5.0)   | 0.0000246 (0.0000076, 0.0000580) | 0.02343 (0.01124, 0.04115) |
| Sulawesi Utara | Other unintentional injuries                  | 1   | 7.9 (2.6, 18.2)   | 0.0000877 (0.0000294, 0.0002026) | 0.05903 (0.03301, 0.09340) | 2.9 (1.0, 6.8)   | 0.0000342 (0.0000120, 0.0000786) | 0.0328 (0.01753, 0.05358)  |
| Sulawesi Utara | Diarrheal diseases                            | 5   | 5.9 (3.1, 9.4)    | 0.0000483 (0.0000254, 0.0000770) | 0.06567 (0.03501, 0.10251) | 5.8 (3.3, 8.9)   | 0.0000509 (0.0000286, 0.0000776) | 0.09469 (0.05321, 0.14199) |
| Sulawesi Utara | HIV/AIDS                                      | 5   | 0.4 (0.0, 1.8)    | 0.0000036 (0.0000004, 0.0000145) | 0.00487 (0.00056, 0.01956) | 0.3 (0.0, 1.3)   | 0.0000027 (0.0000003, 0.0000113) | 0.00506 (0.00059, 0.02025) |
| Sulawesi Utara | Lower respiratory infections                  | 5   | 5.8 (3.4, 8.7)    | 0.0000475 (0.0000282, 0.0000717) | 0.06458 (0.03934, 0.09491) | 4.1 (2.5, 6.3)   | 0.0000357 (0.0000216, 0.0000555) | 0.06643 (0.04052, 0.10107) |
| Sulawesi Utara | Malaria                                       | 5   | 0.2 (0.0, 0.8)    | 0.0000015 (0.0000001, 0.0000066) | 0.00207 (0.00019, 0.00887) | 0.1 (0.0, 0.5)   | 0.0000012 (0.0000001, 0.0000047) | 0.00218 (0.00023, 0.00859) |
| Sulawesi Utara | Tuberculosis                                  | 5   | 1.2 (0.5, 2.3)    | 0.0000096 (0.0000042, 0.0000189) | 0.01307 (0.00569, 0.02536) | 0.9 (0.4, 1.7)   | 0.0000078 (0.0000035, 0.0000151) | 0.01458 (0.00641, 0.02784) |
| Sulawesi Utara | Other communicable diseases                   | 5   | 15.4 (10.9, 20.2) | 0.0001262 (0.0000895, 0.0001660) | 0.17148 (0.12444, 0.21983) | 10.7 (7.6, 14.5) | 0.0000938 (0.0000662, 0.0001268) | 0.17455 (0.12426, 0.22688) |
| Sulawesi Utara | Other malignant neoplasms                     | 5   | 6.6 (4.2, 10.0)   | 0.000054 (0.0000342, 0.0000821)  | 0.07346 (0.04733, 0.10793) | 6.2 (4.0, 9.1)   | 0.0000544 (0.0000352, 0.0000799) | 0.10129 (0.06651, 0.14493) |
| Sulawesi Utara | Cerebrovascular disease                       | 5   | 0.8 (0.4, 1.5)    | 0.0000068 (0.0000030, 0.0000127) | 0.00928 (0.00414, 0.01758) | 1.0 (0.5, 1.7)   | 0.0000087 (0.0000040, 0.0000149) | 0.01616 (0.00755, 0.02776) |
| Sulawesi Utara | Ischemic heart disease                        | 5   | 0.3 (0.1, 0.7)    | 0.0000026 (0.0000010, 0.0000058) | 0.0036 (0.00131, 0.00755)  | 0.4 (0.2, 0.8)   | 0.0000033 (0.0000014, 0.0000067) | 0.00621 (0.00249, 0.01206) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 5   | 0.6 (0.2, 1.3)    | 0.0000047 (0.0000016, 0.0000103) | 0.00637 (0.00228, 0.01417) | 0.6 (0.3, 1.3)   | 0.0000056 (0.0000022, 0.0000117) | 0.01045 (0.00404, 0.02140) |
| Sulawesi Utara | Diabetes mellitus                             | 5   | 0.6 (0.2, 1.3)    | 0.0000046 (0.0000017, 0.0000107) | 0.00624 (0.00227, 0.01441) | 1.1 (0.4, 2.4)   | 0.0000098 (0.0000037, 0.0000213) | 0.01826 (0.00692, 0.03917) |
| Sulawesi Utara | Chronic kidney disease                        | 5   | 2.1 (1.1, 3.7)    | 0.0000176 (0.0000089, 0.0000307) | 0.02395 (0.01221, 0.04131) | 2.1 (1.1, 3.5)   | 0.0000185 (0.0000095, 0.0000307) | 0.03361 (0.01768, 0.05730) |
| Sulawesi Utara | Cirrhosis                                     | 5   | 2.3 (1.1, 3.9)    | 0.0000185 (0.0000091, 0.0000316) | 0.02521 (0.01282, 0.04196) | 1.2 (0.6, 2.2)   | 0.0000108 (0.0000053, 0.0000190) | 0.02009 (0.00960, 0.03594) |
| Sulawesi Utara | Chronic respiratory diseases                  | 5   | 1.5 (0.6, 3.0)    | 0.0000127 (0.0000053, 0.0000246) | 0.01725 (0.00728, 0.03320) | 0.6 (0.3, 1.3)   | 0.0000057 (0.0000023, 0.0000118) | 0.01059 (0.00422, 0.02134) |
| Sulawesi Utara | Other non-communicable diseases               | 5   | 9.1 (6.3, 12.6)   | 0.0000751 (0.0000522, 0.0001033) | 0.10208 (0.07259, 0.13647) | 9.8 (7.1, 13.0)  | 0.0000855 (0.0000619, 0.0001141) | 0.15926 (0.11712, 0.20999) |
| Sulawesi Utara | Drowning                                      | 5   | 13.3 (5.0, 22.6)  | 0.0001095 (0.0000415, 0.0001857) | 0.1488 (0.05769, 0.25469)  | 5.5 (1.9, 10.3)  | 0.000048 (0.0000167, 0.0000903)  | 0.08946 (0.03172, 0.16749) |
| Sulawesi Utara | Falls                                         | 5   | 1.7 (0.7, 3.4)    | 0.0000141 (0.0000053, 0.0000277) | 0.01917 (0.00711, 0.03726) | 0.9 (0.3, 1.7)   | 0.0000077 (0.0000028, 0.0000149) | 0.01438 (0.00506, 0.02757) |
| Sulawesi Utara | Interpersonal violence                        | 5   | 0.5 (0.2, 1.0)    | 0.0000038 (0.0000015, 0.0000080) | 0.00516 (0.00207, 0.01086) | 0.4 (0.2, 0.9)   | 0.0000037 (0.0000015, 0.0000075) | 0.00684 (0.00271, 0.01395) |
| Sulawesi Utara | Transport injuries                            | 5   | 16.3 (9.2, 24.8)  | 0.0001335 (0.0000753, 0.0002038) | 0.18143 (0.10384, 0.26924) | 6.9 (3.6, 10.9)  | 0.0000608 (0.0000316, 0.0000956) | 0.11332 (0.05965, 0.17596) |
| Sulawesi Utara | Other unintentional injuries                  | 5   | 5.0 (2.6, 8.3)    | 0.0000414 (0.0000216, 0.0000678) | 0.05627 (0.02904, 0.09037) | 2.6 (1.3, 4.4)   | 0.0000229 (0.0000113, 0.0000387) | 0.04258 (0.02098, 0.07095) |
| Sulawesi Utara | Diarrheal diseases                            | 10  | 2.7 (1.4, 4.5)    | 0.0000235 (0.0000119, 0.0000393) | 0.03083 (0.01562, 0.05140) | 2.6 (1.4, 4.3)   | 0.0000242 (0.0000124, 0.0000397) | 0.04453 (0.02284, 0.07240) |
| Sulawesi Utara | HIV/AIDS                                      | 10  | 0.4 (0.1, 1.2)    | 0.0000034 (0.0000005, 0.0000109) | 0.00453 (0.00073, 0.01513) | 0.3 (0.0, 1.0)   | 0.0000026 (0.0000004, 0.0000088) | 0.00474 (0.00074, 0.01677) |
| Sulawesi Utara | Lower respiratory infections                  | 10  | 3.5 (1.8, 5.7)    | 0.0000307 (0.0000160, 0.0000502) | 0.04024 (0.02129, 0.06563) | 2.4 (1.3, 4.0)   | 0.0000221 (0.0000115, 0.0000368) | 0.04058 (0.02151, 0.06574) |
| Sulawesi Utara | Malaria                                       | 10  | 0.3 (0.0, 1.2)    | 0.0000029 (0.0000003, 0.0000109) | 0.0038 (0.00045, 0.01412)  | 0.2 (0.0, 0.9)   | 0.0000022 (0.0000003, 0.0000080) | 0.00403 (0.00050, 0.01421) |
| Sulawesi Utara | Tuberculosis                                  | 10  | 2.4 (1.2, 4.1)    | 0.0000213 (0.0000108, 0.0000363) | 0.028 (0.01408, 0.04657)   | 1.8 (1.0, 3.1)   | 0.0000168 (0.0000088, 0.0000286) | 0.03098 (0.01586, 0.05137) |
| Sulawesi Utara | Maternal disorders                            | 10  |                   |                                  |                            | 0.2 (0.0, 0.6)   | 0.0000021 (0.0000003, 0.0000055) | 0.00378 (0.00060, 0.01049) |
| Sulawesi Utara | Other communicable diseases                   | 10  | 10.7 (7.3, 14.4)  | 0.0000939 (0.0000639, 0.0001273) | 0.12312 (0.08651, 0.16163) | 7.3 (4.8, 9.8)   | 0.0000669 (0.0000442, 0.0000900) | 0.12282 (0.08407, 0.16244) |
| Sulawesi Utara | Other malignant neoplasms                     | 10  | 8.5 (5.8, 12.0)   | 0.0000748 (0.0000512, 0.0001057) | 0.09817 (0.06750, 0.13666) | 8.3 (6.0, 11.4)  | 0.0000757 (0.0000544, 0.0001038) | 0.13902 (0.10223, 0.18572) |
| Sulawesi Utara | Cerebrovascular disease                       | 10  | 1.3 (0.7, 2.1)    | 0.0000112 (0.0000063, 0.0000183) | 0.01471 (0.00819, 0.02397) | 1.5 (0.8, 2.3)   | 0.0000135 (0.0000076, 0.0000210) | 0.02471 (0.01442, 0.03831) |
| Sulawesi Utara | Ischemic heart disease                        | 10  | 0.7 (0.4, 1.2)    | 0.0000065 (0.0000035, 0.0000108) | 0.00849 (0.00460, 0.01398) | 0.8 (0.5, 1.3)   | 0.0000076 (0.0000043, 0.0000123) | 0.01393 (0.00808, 0.02233) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 10  | 0.8 (0.3, 1.5)    | 0.0000069 (0.0000031, 0.0000132) | 0.00903 (0.00407, 0.01712) | 0.9 (0.4, 1.6)   | 0.000008 (0.0000039, 0.0000144)  | 0.01463 (0.00704, 0.02600) |
| Sulawesi Utara | Diabetes mellitus                             | 10  | 0.7 (0.4, 1.3)    | 0.0000064 (0.0000032, 0.0000113) | 0.00838 (0.00426, 0.01482) | 1.5 (0.8, 2.5)   | 0.0000133 (0.0000071, 0.0000227) | 0.02445 (0.01307, 0.04102) |
| Sulawesi Utara | Chronic kidney disease                        | 10  | 2.7 (1.6, 4.2)    | 0.000024 (0.0000145, 0.0000371)  | 0.03155 (0.01882, 0.04822) | 2.6 (1.6, 4.0)   | 0.000024 (0.0000148, 0.0000366)  | 0.04418 (0.02743, 0.06680) |
| Sulawesi Utara | Cirrhosis                                     | 10  | 2.4 (1.4, 3.7)    | 0.0000215 (0.0000127, 0.0000325) | 0.02819 (0.01637, 0.04280) | 1.3 (0.7, 2.2)   | 0.0000121 (0.0000067, 0.0000204) | 0.02228 (0.01247, 0.03653) |
| Sulawesi Utara | Chronic respiratory diseases                  | 10  | 2.6 (1.4, 4.4)    | 0.0000229 (0.0000124, 0.0000392) | 0.03003 (0.01638, 0.05059) | 1.2 (0.6, 2.1)   | 0.0000105 (0.0000055, 0.0000192) | 0.01939 (0.01005, 0.03567) |
| Sulawesi Utara | Other non-communicable diseases               | 10  | 9.9 (7.4, 13.0)   | 0.0000873 (0.0000648, 0.0001142) | 0.11455 (0.08604, 0.14764) | 10.3 (7.9, 13.3) | 0.0000942 (0.0000726, 0.0001219) | 0.17316 (0.13528, 0.21944) |
| Sulawesi Utara | Drowning                                      | 10  | 7.1 (2.2, 14.4)   | 0.0000627 (0.0000196, 0.0001271) | 0.08229 (0.02527, 0.16637) | 2.6 (0.7, 5.8)   | 0.0000236 (0.0000064, 0.0000530) | 0.04329 (0.01191, 0.09654) |
| Sulawesi Utara | Falls                                         | 10  | 1.5 (0.6, 2.8)    | 0.0000129 (0.0000051, 0.0000246) | 0.01693 (0.00652, 0.03218) | 0.7 (0.3, 1.3)   | 0.0000063 (0.0000025, 0.0000122) | 0.0115 (0.00449, 0.02220)  |
| Sulawesi Utara | Interpersonal violence                        | 10  | 0.6 (0.4, 1.1)    | 0.0000057 (0.0000032, 0.0000099) | 0.00743 (0.00410, 0.01260) | 0.5 (0.3, 0.9)   | 0.0000049 (0.0000026, 0.0000087) | 0.00909 (0.00490, 0.01560) |
| Sulawesi Utara | Self-harm                                     | 10  | 1.6 (0.7, 3.0)    | 0.0000137 (0.0000061, 0.0000264) | 0.01792 (0.00802, 0.03479) | 1.1 (0.5, 2.1)   | 0.0000102 (0.0000047, 0.0000190) | 0.01882 (0.00871, 0.03413) |
| Sulawesi Utara | Transport injuries                            | 10  | 21.5 (14.9, 29.2) | 0.0001895 (0.0001315, 0.0002570) | 0.24863 (0.17664, 0.32489) | 9.1 (5.8, 12.8)  | 0.0000834 (0.0000527, 0.0001174) | 0.15328 (0.09916, 0.21188) |
| Sulawesi Utara | Other unintentional injuries                  | 10  | 4.6 (2.8, 7.2)    | 0.0000405 (0.0000244, 0.0000634) | 0.05318 (0.03283, 0.07960) | 2.2 (1.2, 3.5)   | 0.000024 (0.0000113, 0.0000316)  | 0.03682 (0.02087, 0.05750) |
| Sulawesi Utara | Diarrheal diseases                            | 15  | 1.8 (0.8, 3.3)    | 0.0000174 (0.0000073, 0.0000316) | 0.01275 (0.00550, 0.02253) | 1.4 (0.6, 2.5)   | 0.0000138 (0.0000057, 0.0000251) | 0.01534 (0.00651, 0.02773) |
| Sulawesi Utara | HIV/AIDS                                      | 15  | 0.4 (0.1, 1.6)    | 0.0000043 (0.0000005, 0.0000148) | 0.00314 (0.00042, 0.01070) | 0.3 (0.0, 0.9)   | 0.0000026 (0.0000004, 0.0000092) | 0.00292 (0.00040, 0.00999) |
| Sulawesi Utara | Lower respiratory infections                  | 15  | 2.1 (1.0, 3.8)    | 0.0000203 (0.0000091, 0.0000368) | 0.01489 (0.00677, 0.02616) | 1.0 (0.4, 1.9)   | 0.0000102 (0.0000043, 0.0000197) | 0.01136 (0.00480, 0.02187) |
| Sulawesi Utara | Malaria                                       | 15  | 1.0 (0.1, 3.1)    | 0.0000095 (0.0000014, 0.0000301) | 0.00693 (0.00103, 0.02175) | 0.6 (0.1, 2.0)   | 0.0000061 (0.0000009, 0.0000198) | 0.00676 (0.00096, 0.02181) |
| Sulawesi Utara | Tuberculosis                                  | 15  | 5.8 (3.5, 9.1)    | 0.0000553 (0.0000332, 0.0000869) | 0.04051 (0.02553, 0.06047) | 3.2 (2.0, 5.0)   | 0.0000329 (0.0000202, 0.0000506) | 0.03655 (0.02301, 0.05572) |
| Sulawesi Utara | Maternal disorders                            | 15  |                   |                                  |                            | 2.2 (1.1, 4.1)   | 0.0000227 (0.0000110, 0.0000417) | 0.02513 (0.01208, 0.04564) |
| Sulawesi Utara | Other communicable diseases                   | 15  | 8.7 (5.1, 13.2)   | 0.0000836 (0.0000491, 0.0001268) | 0.06117 (0.03758, 0.08724) | 4.3 (2.4, 6.5)   | 0.0000438 (0.0000245, 0.0000657) | 0.04856 (0.02735, 0.07102) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 15  | 1.0 (0.3, 2.4)    | 0.0000093 (0.0000025, 0.0000226) | 0.00679 (0.00191, 0.01637) | 0.4 (0.1, 0.9)   | 0.0000036 (0.0000009, 0.0000091) | 0.00396 (0.00106, 0.00989) |
| Sulawesi Utara | Breast cancer                                 | 15  | 0.1 (0.0, 0.3)    | 0.0000007 (0.0000001, 0.0000026) | 0.00048 (0.00006, 0.00188) | 1.8 (0.5, 3.9)   | 0.0000181 (0.0000050, 0.0000396) | 0.02009 (0.00572, 0.04411) |
| Sulawesi Utara | Cervical cancer                               | 15  |                   |                                  |                            | 2.9 (0.8, 6.4)   | 0.0000292 (0.0000079, 0.0000650) | 0.03241 (0.00863, 0.07179) |
| Sulawesi Utara | Other malignant neoplasms                     | 15  | 11.2 (7.5, 16.5)  | 0.0001077 (0.0000720, 0.0001578) | 0.07898 (0.05638, 0.10868) | 9.6 (5.6, 13.9)  | 0.0000971 (0.0000564, 0.0001406) | 0.10752 (0.06415, 0.15233) |
| Sulawesi Utara | Cerebrovascular disease                       | 15  | 2.9 (1.6, 4.7)    | 0.0000282 (0.0000151, 0.0000449) | 0.02066 (0.01211, 0.03133) | 2.6 (1.5, 4.0)   | 0.0000265 (0.0000151, 0.0000406) | 0.02935 (0.01699, 0.04566) |
| Sulawesi Utara | Ischemic heart disease                        | 15  | 3.1 (1.8, 4.9)    | 0.0000299 (0.0000175, 0.0000467) | 0.0219 (0.01361, 0.03362)  | 2.3 (1.4, 3.6)   | 0.0000235 (0.0000140, 0.0000367) | 0.02603 (0.01595, 0.03969) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 15  | 1.5 (0.7, 2.8)    | 0.0000144 (0.0000069, 0.0000271) | 0.01057 (0.00526, 0.01918) | 1.5 (0.7, 2.9)    | 0.0000154 (0.0000073, 0.0000290) | 0.01708 (0.00828, 0.03166) |
| Sulawesi Utara | Diabetes mellitus                             | 15  | 1.4 (0.7, 2.4)    | 0.0000135 (0.0000065, 0.0000231) | 0.00987 (0.00522, 0.01626) | 2.6 (1.3, 4.2)    | 0.0000263 (0.0000129, 0.0000428) | 0.0291 (0.01487, 0.04686)  |
| Sulawesi Utara | Chronic kidney disease                        | 15  | 4.9 (3.0, 7.7)    | 0.0000471 (0.0000284, 0.0000735) | 0.03451 (0.02158, 0.05230) | 4.5 (2.7, 6.9)    | 0.0000454 (0.0000271, 0.0000699) | 0.05035 (0.03053, 0.07602) |
| Sulawesi Utara | Cirrhosis                                     | 15  | 3.5 (2.0, 5.8)    | 0.0000338 (0.0000191, 0.0000557) | 0.02479 (0.01473, 0.03921) | 1.7 (0.9, 3.0)    | 0.000017 (0.0000091, 0.0000301)  | 0.01887 (0.01016, 0.03283) |
| Sulawesi Utara | Chronic respiratory diseases                  | 15  | 2.7 (1.4, 4.5)    | 0.0000255 (0.0000136, 0.0000430) | 0.01868 (0.01052, 0.03075) | 1.4 (0.7, 2.3)    | 0.0000138 (0.0000071, 0.0000237) | 0.01527 (0.00805, 0.02588) |
| Sulawesi Utara | Other non-communicable diseases               | 15  | 14.7 (10.3, 20.0) | 0.0001412 (0.0000985, 0.0001918) | 0.10343 (0.07794, 0.12997) | 12.6 (9.4, 16.5)  | 0.0001279 (0.0000958, 0.0001674) | 0.1419 (0.10784, 0.18013)  |
| Sulawesi Utara | Drowning                                      | 15  | 4.1 (1.1, 9.8)    | 0.0000388 (0.0000101, 0.0000935) | 0.02855 (0.00741, 0.06950) | 1.0 (0.2, 2.8)    | 0.0000103 (0.0000024, 0.0000282) | 0.01139 (0.00269, 0.03053) |
| Sulawesi Utara | Falls                                         | 15  | 1.4 (0.6, 2.7)    | 0.0000135 (0.0000056, 0.0000263) | 0.00987 (0.00428, 0.01835) | 0.5 (0.2, 1.0)    | 0.0000052 (0.0000019, 0.0000099) | 0.00571 (0.00215, 0.01098) |
| Sulawesi Utara | Interpersonal violence                        | 15  | 1.7 (1.0, 2.8)    | 0.0000166 (0.0000095, 0.0000269) | 0.01215 (0.00755, 0.01849) | 1.4 (0.7, 2.4)    | 0.000014 (0.0000066, 0.0000241)  | 0.01552 (0.00766, 0.02637) |
| Sulawesi Utara | Self-harm                                     | 15  | 3.6 (2.1, 5.5)    | 0.000034 (0.0000202, 0.0000524)  | 0.02488 (0.01576, 0.03623) | 2.5 (1.3, 4.1)    | 0.0000253 (0.0000135, 0.0000418) | 0.02808 (0.01550, 0.04619) |
| Sulawesi Utara | Transport injuries                            | 15  | 57.3 (43.2, 73.1) | 0.000549 (0.0004132, 0.0006997)  | 0.4018 (0.34669, 0.45670)  | 23.7 (17.9, 29.9) | 0.0002403 (0.0001817, 0.0003035) | 0.26631 (0.20944, 0.32442) |
| Sulawesi Utara | Other unintentional injuries                  | 15  | 7.5 (4.8, 11.4)   | 0.000072 (0.0000462, 0.0001089)  | 0.05266 (0.03592, 0.07414) | 3.1 (1.7, 4.9)    | 0.0000311 (0.0000174, 0.0000502) | 0.03445 (0.02008, 0.05500) |
| Sulawesi Utara | Diarrheal diseases                            | 20  | 1.9 (0.8, 3.7)    | 0.0000207 (0.0000085, 0.0000401) | 0.01152 (0.00486, 0.02194) | 1.4 (0.6, 2.6)    | 0.0000165 (0.0000068, 0.0000311) | 0.01415 (0.00592, 0.02592) |
| Sulawesi Utara | HIV/AIDS                                      | 20  | 1.7 (0.3, 5.1)    | 0.0000186 (0.0000028, 0.0000559) | 0.01033 (0.00167, 0.03033) | 0.9 (0.1, 2.7)    | 0.0000106 (0.0000017, 0.0000318) | 0.0091 (0.00152, 0.02823)  |
| Sulawesi Utara | Lower respiratory infections                  | 20  | 2.3 (1.0, 4.5)    | 0.0000252 (0.0000107, 0.0000496) | 0.01403 (0.00624, 0.02663) | 0.9 (0.4, 1.9)    | 0.0000109 (0.0000045, 0.0000221) | 0.0093 (0.00393, 0.01836)  |
| Sulawesi Utara | Malaria                                       | 20  | 1.3 (0.2, 4.3)    | 0.0000142 (0.0000021, 0.0000471) | 0.00787 (0.00117, 0.02535) | 0.8 (0.1, 2.5)    | 0.0000092 (0.0000013, 0.0000290) | 0.00787 (0.00110, 0.02511) |
| Sulawesi Utara | Tuberculosis                                  | 20  | 13.0 (8.0, 19.6)  | 0.0001426 (0.0000876, 0.0002155) | 0.07941 (0.05256, 0.11070) | 6.0 (3.7, 9.1)    | 0.0000708 (0.0000439, 0.0001068) | 0.06049 (0.03701, 0.08696) |
| Sulawesi Utara | Maternal disorders                            | 20  |                   |                                  |                            | 3.6 (1.9, 6.0)    | 0.0000424 (0.0000220, 0.0000709) | 0.03627 (0.01921, 0.05794) |
| Sulawesi Utara | Other communicable diseases                   | 20  | 11.7 (6.8, 17.7)  | 0.0001281 (0.0000744, 0.0001941) | 0.07132 (0.04282, 0.09978) | 5.7 (3.3, 8.8)    | 0.0000676 (0.0000392, 0.0001034) | 0.05767 (0.03364, 0.08286) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 20  | 0.9 (0.2, 2.4)    | 0.0000103 (0.0000025, 0.0000263) | 0.00057 (0.00145, 0.01439) | 0.6 (0.2, 1.4)    | 0.0000067 (0.0000020, 0.0000162) | 0.00571 (0.00176, 0.01383) |
| Sulawesi Utara | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)    | 0.0000011 (0.0000002, 0.0000034) | 0.00061 (0.00014, 0.00181) | 4.7 (2.3, 8.2)    | 0.0000555 (0.0000276, 0.0000968) | 0.04736 (0.02461, 0.08328) |
| Sulawesi Utara | Cervical cancer                               | 20  |                   |                                  |                            | 5.0 (2.1, 9.7)    | 0.0000592 (0.0000244, 0.0001139) | 0.05058 (0.02029, 0.09384) |
| Sulawesi Utara | Other malignant neoplasms                     | 20  | 10.8 (7.0, 15.7)  | 0.0001185 (0.0000769, 0.0001728) | 0.06612 (0.04725, 0.09180) | 9.4 (5.4, 14.3)   | 0.0001103 (0.0000636, 0.0001684) | 0.09406 (0.05648, 0.13663) |
| Sulawesi Utara | Cerebrovascular disease                       | 20  | 5.8 (3.6, 8.6)    | 0.0000634 (0.0000399, 0.0000947) | 0.03532 (0.02463, 0.04854) | 4.3 (2.8, 6.1)    | 0.0000502 (0.0000330, 0.0000724) | 0.04286 (0.02955, 0.05828) |
| Sulawesi Utara | Ischemic heart disease                        | 20  | 6.0 (3.8, 8.8)    | 0.0000655 (0.0000412, 0.0000967) | 0.03655 (0.02468, 0.05264) | 3.0 (1.8, 4.4)    | 0.0000349 (0.0000217, 0.0000521) | 0.02977 (0.01982, 0.04309) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 20  | 2.4 (1.2, 4.3)    | 0.0000262 (0.0000129, 0.0000468) | 0.01458 (0.00763, 0.02423) | 2.3 (1.2, 3.7)    | 0.0000267 (0.0000140, 0.0000430) | 0.02283 (0.01259, 0.03675) |
| Sulawesi Utara | Diabetes mellitus                             | 20  | 1.4 (0.8, 2.4)    | 0.0000154 (0.0000083, 0.0000266) | 0.00856 (0.00487, 0.01352) | 2.5 (1.4, 4.0)    | 0.000029 (0.0000159, 0.0000466)  | 0.02475 (0.01431, 0.03941) |
| Sulawesi Utara | Chronic kidney disease                        | 20  | 7.8 (4.9, 11.7)   | 0.0000854 (0.0000540, 0.0001287) | 0.04765 (0.03172, 0.06824) | 6.7 (4.2, 9.8)    | 0.0000791 (0.0000498, 0.0001156) | 0.06754 (0.04414, 0.09494) |
| Sulawesi Utara | Cirrhosis                                     | 20  | 5.8 (3.6, 9.0)    | 0.0000639 (0.0000393, 0.0000986) | 0.03565 (0.02281, 0.05278) | 2.6 (1.5, 4.2)    | 0.0000309 (0.0000180, 0.0000498) | 0.02645 (0.01566, 0.04177) |
| Sulawesi Utara | Chronic respiratory diseases                  | 20  | 5.9 (3.3, 9.5)    | 0.0000642 (0.0000360, 0.0001047) | 0.03575 (0.02126, 0.05309) | 3.4 (2.0, 5.2)    | 0.00004 (0.0000237, 0.0000611)   | 0.0342 (0.02060, 0.05145)  |
| Sulawesi Utara | Other non-communicable diseases               | 20  | 14.6 (10.1, 20.6) | 0.0001606 (0.0001108, 0.0002266) | 0.08952 (0.06807, 0.11270) | 11.2 (8.1, 14.8)  | 0.0001319 (0.0000959, 0.0001750) | 0.11268 (0.08627, 0.14368) |
| Sulawesi Utara | Drowning                                      | 20  | 3.1 (0.7, 8.0)    | 0.0000342 (0.0000078, 0.0000877) | 0.01909 (0.00479, 0.04816) | 0.7 (0.1, 1.9)    | 0.0000078 (0.0000016, 0.0000219) | 0.00662 (0.00149, 0.01860) |
| Sulawesi Utara | Falls                                         | 20  | 1.4 (0.6, 2.8)    | 0.0000158 (0.0000065, 0.0000303) | 0.00879 (0.00372, 0.01594) | 0.4 (0.2, 0.9)    | 0.0000052 (0.0000019, 0.0000104) | 0.00448 (0.00170, 0.00881) |
| Sulawesi Utara | Interpersonal violence                        | 20  | 2.1 (1.2, 3.3)    | 0.0000229 (0.0000131, 0.0000368) | 0.01275 (0.00809, 0.01947) | 1.4 (0.7, 2.5)    | 0.000017 (0.0000081, 0.0000297)  | 0.01448 (0.00737, 0.02513) |
| Sulawesi Utara | Self-harm                                     | 20  | 3.6 (2.1, 5.6)    | 0.0000399 (0.0000234, 0.0000619) | 0.02223 (0.01435, 0.03209) | 2.2 (1.2, 3.8)    | 0.0000263 (0.0000138, 0.0000452) | 0.02247 (0.01225, 0.03752) |
| Sulawesi Utara | Transport injuries                            | 20  | 51.4 (37.6, 71.2) | 0.0005648 (0.0004128, 0.0007822) | 0.31448 (0.26026, 0.37180) | 16.7 (11.7, 22.6) | 0.0001969 (0.0001384, 0.0002663) | 0.16807 (0.12296, 0.21592) |
| Sulawesi Utara | Other unintentional injuries                  | 20  | 8.5 (5.3, 13.0)   | 0.0000937 (0.0000586, 0.0001426) | 0.05219 (0.03555, 0.07397) | 3.0 (1.7, 4.9)    | 0.0000354 (0.0000195, 0.0000581) | 0.03024 (0.01725, 0.04797) |
| Sulawesi Utara | Diarrheal diseases                            | 25  | 3.0 (1.2, 5.7)    | 0.0000308 (0.0000124, 0.0000579) | 0.01484 (0.00652, 0.02659) | 2.4 (1.1, 4.5)    | 0.0000269 (0.0000118, 0.0000493) | 0.0179 (0.00830, 0.03113)  |
| Sulawesi Utara | HIV/AIDS                                      | 25  | 3.5 (0.7, 10.2)   | 0.0000356 (0.0000067, 0.0001032) | 0.01721 (0.00338, 0.05087) | 2.0 (0.4, 5.6)    | 0.0000219 (0.0000043, 0.0000622) | 0.0146 (0.00289, 0.04248)  |
| Sulawesi Utara | Lower respiratory infections                  | 25  | 2.7 (1.1, 5.4)    | 0.0000275 (0.0000114, 0.0000549) | 0.01328 (0.00584, 0.02578) | 1.2 (0.5, 2.4)    | 0.0000129 (0.0000031, 0.0000261) | 0.00861 (0.00352, 0.01770) |
| Sulawesi Utara | Malaria                                       | 25  | 1.6 (0.2, 5.1)    | 0.0000162 (0.0000023, 0.0000521) | 0.00775 (0.00114, 0.02501) | 1.0 (0.1, 3.1)    | 0.0000106 (0.0000015, 0.0000347) | 0.00705 (0.00109, 0.02320) |
| Sulawesi Utara | Tuberculosis                                  | 25  | 20.5 (13.0, 30.1) | 0.000209 (0.0001320, 0.0003066)  | 0.1008 (0.06717, 0.13542)  | 9.2 (5.4, 13.9)   | 0.0001017 (0.0000592, 0.0001536) | 0.0677 (0.04153, 0.09531)  |
| Sulawesi Utara | Maternal disorders                            | 25  |                   |                                  |                            | 5.6 (3.0, 9.4)    | 0.0000615 (0.0000330, 0.0001036) | 0.04089 (0.02332, 0.06610) |
| Sulawesi Utara | Other communicable diseases                   | 25  | 13.9 (8.3, 21.3)  | 0.0001414 (0.0000847, 0.0002161) | 0.06814 (0.04291, 0.09722) | 7.6 (4.3, 11.7)   | 0.0000837 (0.0000480, 0.0001292) | 0.05554 (0.03428, 0.08076) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 25  | 1.4 (0.4, 3.4)    | 0.0000142 (0.0000041, 0.0000342) | 0.00686 (0.00208, 0.01647) | 0.9 (0.3, 2.1)    | 0.0000097 (0.0000030, 0.0000227) | 0.00647 (0.00212, 0.01442) |
| Sulawesi Utara | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)    | 0.0000013 (0.0000003, 0.0000035) | 0.00063 (0.00016, 0.00172) | 10.0 (5.5, 16.1)  | 0.000111 (0.0000607, 0.0001784)  | 0.07374 (0.04426, 0.11424) |
| Sulawesi Utara | Cervical cancer                               | 25  |                   |                                  |                            | 9.4 (4.4, 16.4)   | 0.0001039 (0.0000488, 0.0001817) | 0.06913 (0.03239, 0.11833) |
| Sulawesi Utara | Other malignant neoplasms                     | 25  | 16.2 (10.9, 23.4) | 0.0001644 (0.0001104, 0.0002384) | 0.07937 (0.05695, 0.10897) | 11.2 (6.3, 17.8)  | 0.0001239 (0.0000696, 0.0001968) | 0.08222 (0.05003, 0.12283) |
| Sulawesi Utara | Cerebrovascular disease                       | 25  | 11.5 (7.9, 16.0)  | 0.000117 (0.0000806, 0.0001627)  | 0.05646 (0.04195, 0.07409) | 8.4 (5.7, 11.5)   | 0.0000925 (0.0000631, 0.0001269) | 0.06149 (0.04574, 0.07903) |
| Sulawesi Utara | Ischemic heart disease                        | 25  | 12.9 (8.9, 18.1)  | 0.0001308 (0.0000906, 0.0001840) | 0.06313 (0.04577, 0.08377) | 5.7 (3.7, 8.2)    | 0.0000626 (0.0000409, 0.0000911) | 0.04161 (0.02941, 0.05685) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 25  | 3.5 (1.9, 5.7)    | 0.0000359 (0.0000190, 0.0000581) | 0.01734 (0.00968, 0.02703) | 3.4 (1.8, 5.5)    | 0.0000374 (0.0000204, 0.0000604) | 0.0249 (0.01450, 0.03966)  |
| Sulawesi Utara | Diabetes mellitus                             | 25  | 2.7 (1.7, 4.2)    | 0.0000273 (0.0000172, 0.0000423) | 0.01318 (0.00874, 0.01861) | 4.5 (2.8, 6.9)    | 0.0000503 (0.0000305, 0.0000758) | 0.03341 (0.02136, 0.04809) |
| Sulawesi Utara | Chronic kidney disease                        | 25  | 10.1 (6.8, 14.7)  | 0.0001029 (0.0000688, 0.0001497) | 0.04969 (0.03545, 0.06816) | 8.3 (5.4, 12.1)   | 0.0000918 (0.0000601, 0.0001343) | 0.06097 (0.04297, 0.08204) |
| Sulawesi Utara | Cirrhosis                                     | 25  | 9.1 (5.8, 13.3)   | 0.0000926 (0.0000592, 0.0001357) | 0.04473 (0.03002, 0.06306) | 4.2 (2.4, 6.6)    | 0.0000461 (0.0000266, 0.0000726) | 0.03067 (0.01883, 0.04651) |
| Sulawesi Utara | Chronic respiratory diseases                  | 25  | 8.2 (4.8, 13.1)   | 0.0000829 (0.0000491, 0.0001327) | 0.03996 (0.02474, 0.05924) | 4.9 (2.9, 7.6)    | 0.0000546 (0.0000326, 0.0000843) | 0.03631 (0.02251, 0.05404) |
| Sulawesi Utara | Other non-communicable diseases               | 25  | 19.1 (13.7, 26.1) | 0.0001939 (0.0001393, 0.0002650) | 0.09359 (0.07208, 0.11830) | 14.5 (10.3, 19.4) | 0.000161 (0.0001144, 0.0002145)  | 0.10706 (0.08311, 0.13375) |
| Sulawesi Utara | Drowning                                      | 25  | 2.2 (0.4, 6.0)    | 0.0000225 (0.0000046, 0.0000609) | 0.01086 (0.00225, 0.02974) | 0.5 (0.1, 1.5)    | 0.0000059 (0.0000012, 0.0000171) | 0.00392 (0.00081, 0.01134) |
| Sulawesi Utara | Falls                                         | 25  | 2.2 (0.9, 4.1)    | 0.0000226 (0.0000088, 0.0000419) | 0.01087 (0.00467, 0.01920) | 0.8 (0.3, 1.4)    | 0.0000084 (0.0000032, 0.0000158) | 0.00556 (0.00218, 0.01016) |
| Sulawesi Utara | Interpersonal violence                        | 25  | 2.4 (1.4, 3.7)    | 0.000024 (0.0000140, 0.0000381)  | 0.01155 (0.00736, 0.01746) | 1.5 (0.7, 2.6)    | 0.0000171 (0.0000082, 0.0000291) | 0.01134 (0.00601, 0.01862) |
| Sulawesi Utara | Self-harm                                     | 25  | 3.8 (2.3, 6.0)    | 0.000039 (0.0000230, 0.0000615)  | 0.01877 (0.01174, 0.02768) | 2.2 (1.2, 3.7)    | 0.0000241 (0.0000129, 0.0000405) | 0.01599 (0.00918, 0.02606) |
| Sulawesi Utara | Transport injuries                            | 25  | 42.0 (29.9, 59.3) | 0.0004272 (0.0003041, 0.0006026) | 0.20593 (0.15627, 0.25871) | 12.7 (7.9, 18.2)  | 0.0001407 (0.0000874, 0.0002010) | 0.09344 (0.06391, 0.12765) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Other unintentional injuries                  | 25  | 11.2 (7.0, 16.9)  | 0.0001141 (0.0000711, 0.0001719) | 0.05504 (0.03604, 0.07764) | 4.0 (2.3, 6.6)    | 0.0000444 (0.0000252, 0.0000731) | 0.02949 (0.01700, 0.04554) |
| Sulawesi Utara | Diarrheal diseases                            | 30  | 3.6 (1.6, 6.8)    | 0.0000354 (0.0000151, 0.0000662) | 0.0153 (0.00688, 0.02700)  | 3.2 (1.5, 5.6)    | 0.0000338 (0.0000154, 0.0000588) | 0.01744 (0.00842, 0.02949) |
| Sulawesi Utara | HIV/AIDS                                      | 30  | 3.7 (0.7, 10.9)   | 0.0000365 (0.0000068, 0.0001059) | 0.01578 (0.00305, 0.04456) | 2.5 (0.5, 6.8)    | 0.0000259 (0.0000051, 0.0000711) | 0.01337 (0.00278, 0.03783) |
| Sulawesi Utara | Lower respiratory infections                  | 30  | 2.7 (1.1, 5.3)    | 0.0000261 (0.0000110, 0.0000521) | 0.01128 (0.00494, 0.02239) | 1.3 (0.5, 2.7)    | 0.000014 (0.0000056, 0.0000285)  | 0.00724 (0.00304, 0.01463) |
| Sulawesi Utara | Malaria                                       | 30  | 1.4 (0.2, 4.6)    | 0.0000135 (0.0000020, 0.0000449) | 0.00583 (0.00088, 0.01924) | 1.0 (0.1, 3.1)    | 0.00001 (0.0000016, 0.0000321)   | 0.00515 (0.00078, 0.01658) |
| Sulawesi Utara | Tuberculosis                                  | 30  | 20.6 (13.1, 30.8) | 0.0002011 (0.0001275, 0.0003004) | 0.08701 (0.05822, 0.11882) | 11.0 (6.5, 16.2)  | 0.0001156 (0.0000675, 0.0001698) | 0.05959 (0.03729, 0.08461) |
| Sulawesi Utara | Maternal disorders                            | 30  |                   |                                  |                            | 6.0 (3.2, 10.1)   | 0.0000624 (0.0000331, 0.0001054) | 0.03216 (0.01800, 0.05186) |
| Sulawesi Utara | Other communicable diseases                   | 30  | 10.7 (6.2, 17.0)  | 0.0001039 (0.0000599, 0.0001653) | 0.04488 (0.02674, 0.06715) | 6.4 (3.5, 10.1)   | 0.0000666 (0.0000362, 0.0001060) | 0.03426 (0.01958, 0.05173) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 30  | 2.4 (0.8, 5.3)    | 0.0000237 (0.0000074, 0.0000513) | 0.01025 (0.00334, 0.02293) | 1.2 (0.4, 2.6)    | 0.0000124 (0.0000041, 0.0000276) | 0.00639 (0.00222, 0.01403) |
| Sulawesi Utara | Breast cancer                                 | 30  | 0.2 (0.0, 0.6)    | 0.0000018 (0.0000004, 0.0000055) | 0.00078 (0.00018, 0.00237) | 18.0 (10.3, 27.1) | 0.0001884 (0.0001078, 0.0002832) | 0.09699 (0.06143, 0.14143) |
| Sulawesi Utara | Cervical cancer                               | 30  |                   |                                  |                            | 15.3 (7.4, 25.7)  | 0.0001603 (0.0000776, 0.0002689) | 0.08258 (0.04158, 0.13394) |
| Sulawesi Utara | Other malignant neoplasms                     | 30  | 23.3 (16.0, 33.0) | 0.0002272 (0.0001562, 0.0003218) | 0.09835 (0.07129, 0.13354) | 13.2 (7.3, 21.3)  | 0.0001385 (0.0000766, 0.0002229) | 0.07126 (0.04198, 0.10824) |
| Sulawesi Utara | Cerebrovascular disease                       | 30  | 19.6 (14.0, 27.0) | 0.0001907 (0.0001360, 0.0002635) | 0.08253 (0.06340, 0.10356) | 16.0 (11.1, 21.6) | 0.0001678 (0.0001164, 0.0002261) | 0.0864 (0.06789, 0.10765)  |
| Sulawesi Utara | Ischemic heart disease                        | 30  | 19.5 (13.8, 27.5) | 0.0001903 (0.0001348, 0.0002682) | 0.08239 (0.06143, 0.10679) | 10.0 (6.5, 14.5)  | 0.000105 (0.0000682, 0.0001514)  | 0.05405 (0.03869, 0.07179) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 30  | 4.7 (2.6, 7.6)    | 0.0000454 (0.0000251, 0.0000740) | 0.01965 (0.01151, 0.03082) | 5.0 (2.8, 8.1)    | 0.0000527 (0.0000291, 0.0000844) | 0.02717 (0.01654, 0.04206) |
| Sulawesi Utara | Diabetes mellitus                             | 30  | 4.8 (3.1, 7.1)    | 0.0000467 (0.0000305, 0.0000689) | 0.02019 (0.01387, 0.02760) | 8.9 (5.7, 13.1)   | 0.0000935 (0.0000600, 0.0001375) | 0.04811 (0.03276, 0.06606) |
| Sulawesi Utara | Chronic kidney disease                        | 30  | 11.8 (8.0, 16.8)  | 0.0001152 (0.0000783, 0.0001641) | 0.04987 (0.03579, 0.06831) | 10.9 (7.1, 15.6)  | 0.0001136 (0.0000741, 0.0001634) | 0.05846 (0.04158, 0.07942) |
| Sulawesi Utara | Cirrhosis                                     | 30  | 13.1 (8.4, 19.1)  | 0.0001279 (0.0000821, 0.0001866) | 0.05542 (0.03785, 0.07656) | 6.6 (3.8, 10.2)   | 0.0000693 (0.0000401, 0.0001072) | 0.03569 (0.02231, 0.05340) |
| Sulawesi Utara | Chronic respiratory diseases                  | 30  | 9.2 (5.4, 14.7)   | 0.0000892 (0.0000522, 0.0001428) | 0.03855 (0.02349, 0.05773) | 6.1 (3.5, 9.6)    | 0.0000642 (0.0000371, 0.0001000) | 0.03308 (0.02054, 0.04958) |
| Sulawesi Utara | Other non-communicable diseases               | 30  | 21.4 (15.2, 29.3) | 0.0002087 (0.0001480, 0.0002860) | 0.09037 (0.06765, 0.11390) | 18.5 (13.0, 24.6) | 0.0001935 (0.0001364, 0.0002578) | 0.09968 (0.07822, 0.12536) |
| Sulawesi Utara | Drowning                                      | 30  | 2.9 (0.6, 8.2)    | 0.0000284 (0.0000062, 0.0000797) | 0.01233 (0.00275, 0.03383) | 0.8 (0.2, 2.2)    | 0.0000082 (0.0000017, 0.0000234) | 0.00421 (0.00091, 0.01188) |
| Sulawesi Utara | Falls                                         | 30  | 3.1 (1.2, 5.8)    | 0.0000299 (0.0000121, 0.0000561) | 0.01293 (0.00535, 0.02272) | 1.2 (0.4, 2.2)    | 0.0000123 (0.0000045, 0.0000232) | 0.00632 (0.00243, 0.01166) |
| Sulawesi Utara | Interpersonal violence                        | 30  | 2.0 (1.2, 3.2)    | 0.0000194 (0.0000112, 0.0000314) | 0.00838 (0.00501, 0.01302) | 1.5 (0.7, 2.6)    | 0.000016 (0.0000077, 0.0000273)  | 0.00824 (0.00422, 0.01401) |
| Sulawesi Utara | Self-harm                                     | 30  | 3.1 (1.8, 5.0)    | 0.0000307 (0.0000175, 0.0000486) | 0.01325 (0.00803, 0.01970) | 2.1 (1.1, 3.6)    | 0.0000221 (0.0000115, 0.0000381) | 0.01136 (0.00654, 0.01868) |
| Sulawesi Utara | Transport injuries                            | 30  | 41.8 (29.0, 60.5) | 0.0004072 (0.0002830, 0.0005891) | 0.17614 (0.12975, 0.22676) | 14.0 (8.6, 20.5)  | 0.0001465 (0.0000898, 0.0002144) | 0.07543 (0.04987, 0.10437) |
| Sulawesi Utara | Other unintentional injuries                  | 30  | 11.5 (7.0, 17.5)  | 0.0001122 (0.0000682, 0.0001707) | 0.04854 (0.03055, 0.06903) | 4.7 (2.6, 7.5)    | 0.0000493 (0.0000269, 0.0000785) | 0.02538 (0.01480, 0.03973) |
| Sulawesi Utara | Diarrheal diseases                            | 35  | 3.4 (1.5, 6.2)    | 0.0000329 (0.0000142, 0.0000600) | 0.01102 (0.00490, 0.01929) | 4.2 (1.9, 7.5)    | 0.0000426 (0.0000195, 0.0000766) | 0.01463 (0.00687, 0.02496) |
| Sulawesi Utara | HIV/AIDS                                      | 35  | 3.6 (0.6, 10.4)   | 0.0000347 (0.0000061, 0.0001004) | 0.01164 (0.00219, 0.03409) | 3.1 (0.5, 8.9)    | 0.0000139 (0.0000055, 0.0000251) | 0.01095 (0.00209, 0.03250) |
| Sulawesi Utara | Lower respiratory infections                  | 35  | 2.9 (1.2, 5.8)    | 0.0000284 (0.0000119, 0.0000567) | 0.00952 (0.00414, 0.01852) | 2.0 (0.8, 4.1)    | 0.0000206 (0.0000086, 0.0000422) | 0.00709 (0.00307, 0.01460) |
| Sulawesi Utara | Malaria                                       | 35  | 1.4 (0.2, 4.5)    | 0.0000135 (0.0000021, 0.0000436) | 0.00451 (0.00069, 0.01408) | 1.2 (0.2, 3.8)    | 0.0000128 (0.0000019, 0.0000392) | 0.00438 (0.00068, 0.01378) |
| Sulawesi Utara | Tuberculosis                                  | 35  | 24.4 (15.8, 35.1) | 0.0002366 (0.0001532, 0.0003406) | 0.07946 (0.05283, 0.10664) | 16.9 (10.2, 25.0) | 0.000173 (0.0001044, 0.0002561)  | 0.0595 (0.03789, 0.08376)  |
| Sulawesi Utara | Maternal disorders                            | 35  |                   |                                  |                            | 3.7 (1.8, 6.7)    | 0.0000376 (0.0000182, 0.0000685) | 0.01292 (0.00660, 0.02236) |
| Sulawesi Utara | Other communicable diseases                   | 35  | 9.9 (5.5, 15.7)   | 0.0000958 (0.0000533, 0.0001524) | 0.03213 (0.01805, 0.04887) | 8.3 (4.2, 13.8)   | 0.0000846 (0.0000432, 0.0001407) | 0.02901 (0.01613, 0.04362) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 35  | 2.1 (0.6, 4.6)    | 0.0000207 (0.0000059, 0.0000444) | 0.00697 (0.00200, 0.01525) | 1.9 (0.6, 4.1)    | 0.0000193 (0.0000064, 0.0000416) | 0.00665 (0.00238, 0.01452) |
| Sulawesi Utara | Breast cancer                                 | 35  | 0.4 (0.1, 1.2)    | 0.0000036 (0.0000008, 0.0000113) | 0.00122 (0.00028, 0.00370) | 32.8 (19.0, 48.8) | 0.0003351 (0.0001944, 0.0004997) | 0.11504 (0.07478, 0.16489) |
| Sulawesi Utara | Cervical cancer                               | 35  |                   |                                  |                            | 24.7 (12.3, 41.6) | 0.0002531 (0.0001263, 0.0004261) | 0.08692 (0.04508, 0.13911) |
| Sulawesi Utara | Other malignant neoplasms                     | 35  | 37.9 (26.8, 52.7) | 0.0003673 (0.0002601, 0.0005114) | 0.12337 (0.09233, 0.16085) | 18.0 (10.1, 28.6) | 0.000184 (0.0001037, 0.0002929)  | 0.06313 (0.03719, 0.09596) |
| Sulawesi Utara | Cerebrovascular disease                       | 35  | 34.7 (26.3, 46.9) | 0.0003363 (0.0002553, 0.0004551) | 0.11296 (0.09046, 0.13795) | 32.1 (22.9, 42.8) | 0.0003286 (0.0002341, 0.0004384) | 0.11283 (0.09131, 0.13716) |
| Sulawesi Utara | Ischemic heart disease                        | 35  | 31.7 (23.2, 43.0) | 0.0003078 (0.0002252, 0.0004169) | 0.10341 (0.07889, 0.13168) | 18.8 (12.6, 26.6) | 0.0001922 (0.0001287, 0.0002721) | 0.06598 (0.04949, 0.08685) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 35  | 7.0 (4.0, 11.3)   | 0.0000677 (0.0000392, 0.0001092) | 0.02277 (0.01387, 0.03506) | 8.3 (4.7, 13.2)   | 0.0000845 (0.0000478, 0.0001347) | 0.02904 (0.01833, 0.04397) |
| Sulawesi Utara | Diabetes mellitus                             | 35  | 10.4 (7.0, 14.8)  | 0.0001009 (0.0000674, 0.0001437) | 0.03385 (0.02391, 0.04498) | 20.6 (13.4, 29.6) | 0.0002108 (0.0001368, 0.0003033) | 0.07235 (0.05171, 0.09567) |
| Sulawesi Utara | Chronic kidney disease                        | 35  | 16.5 (11.5, 23.5) | 0.0001604 (0.0001115, 0.0002282) | 0.05388 (0.03951, 0.07432) | 16.2 (10.7, 23.8) | 0.0001662 (0.0001091, 0.0002431) | 0.05702 (0.04199, 0.07724) |
| Sulawesi Utara | Cirrhosis                                     | 35  | 18.3 (11.9, 26.4) | 0.0001778 (0.0001153, 0.0002560) | 0.05975 (0.04014, 0.08067) | 10.3 (6.1, 16.1)  | 0.0001056 (0.0000622, 0.0001651) | 0.03628 (0.02275, 0.05364) |
| Sulawesi Utara | Chronic respiratory diseases                  | 35  | 13.0 (7.9, 20.5)  | 0.0001264 (0.0000770, 0.0001986) | 0.0424 (0.02654, 0.06232)  | 8.9 (5.3, 13.8)   | 0.0000911 (0.0000546, 0.0001412) | 0.03131 (0.01925, 0.04646) |
| Sulawesi Utara | Other non-communicable diseases               | 35  | 25.4 (18.4, 34.2) | 0.0002467 (0.0001779, 0.0003319) | 0.08291 (0.06232, 0.10421) | 24.5 (16.9, 33.2) | 0.0002509 (0.0001727, 0.0003396) | 0.08622 (0.06681, 0.10850) |
| Sulawesi Utara | Drowning                                      | 35  | 3.7 (0.9, 10.1)   | 0.0000359 (0.0000089, 0.0000981) | 0.01207 (0.00314, 0.03197) | 1.3 (0.3, 3.8)    | 0.0000131 (0.0000028, 0.0000385) | 0.00447 (0.00102, 0.01277) |
| Sulawesi Utara | Falls                                         | 35  | 3.3 (1.3, 6.2)    | 0.000032 (0.0000128, 0.0000599)  | 0.01072 (0.00446, 0.01845) | 1.6 (0.5, 3.1)    | 0.000016 (0.0000056, 0.0000312)  | 0.00547 (0.00205, 0.00989) |
| Sulawesi Utara | Interpersonal violence                        | 35  | 2.1 (1.1, 3.5)    | 0.0000203 (0.0000108, 0.0000337) | 0.00682 (0.00381, 0.01097) | 1.8 (0.8, 3.2)    | 0.0000184 (0.0000081, 0.0000323) | 0.00632 (0.00298, 0.01095) |
| Sulawesi Utara | Self-harm                                     | 35  | 3.6 (2.0, 5.8)    | 0.0000353 (0.0000198, 0.0000566) | 0.01184 (0.00700, 0.01795) | 2.7 (1.4, 4.7)    | 0.0000274 (0.0000139, 0.0000477) | 0.00941 (0.00505, 0.01587) |
| Sulawesi Utara | Transport injuries                            | 35  | 38.7 (26.3, 56.8) | 0.0003756 (0.0002550, 0.0005509) | 0.12606 (0.08909, 0.16882) | 14.9 (8.7, 23.0)  | 0.0001521 (0.0000886, 0.0002357) | 0.0522 (0.03401, 0.07472)  |
| Sulawesi Utara | Other unintentional injuries                  | 35  | 12.5 (7.5, 18.9)  | 0.0001213 (0.0000728, 0.0001835) | 0.04073 (0.02562, 0.05839) | 5.9 (3.1, 9.9)    | 0.0000609 (0.0000317, 0.0001008) | 0.02089 (0.01182, 0.03304) |
| Sulawesi Utara | Diarrheal diseases                            | 40  | 4.1 (1.8, 7.2)    | 0.0000438 (0.0000190, 0.0000763) | 0.01016 (0.00436, 0.01718) | 4.8 (2.2, 8.2)    | 0.0000547 (0.0000252, 0.0000935) | 0.01323 (0.00617, 0.02158) |
| Sulawesi Utara | HIV/AIDS                                      | 40  | 2.0 (0.3, 6.5)    | 0.0000216 (0.0000036, 0.0000694) | 0.00501 (0.00084, 0.01566) | 1.8 (0.3, 5.7)    | 0.0000202 (0.0000032, 0.0000648) | 0.00489 (0.00077, 0.01590) |
| Sulawesi Utara | Lower respiratory infections                  | 40  | 2.9 (1.3, 5.7)    | 0.0000312 (0.0000138, 0.0000604) | 0.00725 (0.00317, 0.01360) | 2.1 (0.8, 4.2)    | 0.0000242 (0.0000097, 0.0000480) | 0.00586 (0.00251, 0.01155) |
| Sulawesi Utara | Malaria                                       | 40  | 1.6 (0.2, 5.3)    | 0.0000169 (0.0000026, 0.0000563) | 0.0039 (0.00061, 0.01232)  | 1.4 (0.2, 4.3)    | 0.0000154 (0.0000022, 0.0000485) | 0.00372 (0.00058, 0.01144) |
| Sulawesi Utara | Tuberculosis                                  | 40  | 22.9 (15.3, 32.7) | 0.0002429 (0.0001624, 0.0003473) | 0.05643 (0.03957, 0.07553) | 17.1 (11.0, 24.7) | 0.0001941 (0.0001255, 0.0002806) | 0.04694 (0.03182, 0.06508) |
| Sulawesi Utara | Maternal disorders                            | 40  |                   |                                  |                            | 1.2 (0.5, 2.3)    | 0.0000133 (0.0000054, 0.0000261) | 0.0032 (0.00137, 0.00627)  |
| Sulawesi Utara | Other communicable diseases                   | 40  | 10.7 (6.1, 16.7)  | 0.0001139 (0.0000646, 0.0001776) | 0.02643 (0.01506, 0.03964) | 8.5 (4.4, 13.9)   | 0.0000969 (0.0000503, 0.0001585) | 0.02338 (0.01321, 0.03499) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 40  | 4.5 (1.6, 9.7)    | 0.0000478 (0.0000172, 0.0001028) | 0.0111 (0.00421, 0.02420)  | 2.5 (0.9, 5.3)    | 0.0000283 (0.0000099, 0.0000602) | 0.00683 (0.00251, 0.01442) |
| Sulawesi Utara | Breast cancer                                 | 40  | 0.9 (0.2, 2.5)    | 0.0000091 (0.0000023, 0.0000267) | 0.00212 (0.00053, 0.00585) | 45.0 (27.6, 65.8) | 0.0005116 (0.0003143, 0.0007484) | 0.12359 (0.08242, 0.17182) |
| Sulawesi Utara | Cervical cancer                               | 40  |                   |                                  |                            | 29.2 (13.7, 48.8) | 0.0003326 (0.0001561, 0.0005549) | 0.08035 (0.03887, 0.12851) |
| Sulawesi Utara | Other malignant neoplasms                     | 40  | 62.6 (45.2, 85.3) | 0.0006658 (0.0004805, 0.0009062) | 0.15467 (0.11684, 0.19582) | 20.2 (11.1, 32.6) | 0.0002301 (0.0001266, 0.0003710) | 0.05554 (0.03222, 0.08724) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males               |                                  |                             | Females             |                                  |                            |
|----------------|-----------------------------------------------|-----|---------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Cerebrovascular disease                       | 40  | 58.7 (44.9, 79.0)   | 0.000624 (0.0004771, 0.0008397)  | 0.14488 (0.11884, 0.17366)  | 51.9 (38.0, 67.3)   | 0.0005903 (0.0004319, 0.0007653) | 0.14264 (0.11710, 0.17026) |
| Sulawesi Utara | Ischemic heart disease                        | 40  | 47.4 (35.0, 63.3)   | 0.0005036 (0.0003719, 0.0006732) | 0.11701 (0.09034, 0.14576)  | 30.3 (21.0, 41.8)   | 0.0003453 (0.0002384, 0.0004754) | 0.08341 (0.06317, 0.10695) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 40  | 11.2 (6.8, 17.8)    | 0.0001186 (0.0000727, 0.0001887) | 0.02757 (0.01736, 0.04233)  | 11.8 (7.1, 18.5)    | 0.0001344 (0.0000807, 0.0002107) | 0.03251 (0.02053, 0.04902) |
| Sulawesi Utara | Diabetes mellitus                             | 40  | 23.7 (16.5, 33.3)   | 0.0002521 (0.0001757, 0.0003542) | 0.05852 (0.04378, 0.07503)  | 42.0 (28.5, 58.5)   | 0.0004781 (0.0003247, 0.0006658) | 0.11542 (0.08654, 0.14848) |
| Sulawesi Utara | Chronic kidney disease                        | 40  | 23.2 (16.1, 32.8)   | 0.0002462 (0.0001715, 0.0003486) | 0.05721 (0.04211, 0.07756)  | 21.0 (13.9, 30.3)   | 0.0002388 (0.0001580, 0.0003443) | 0.05768 (0.04239, 0.07756) |
| Sulawesi Utara | Cirrhosis                                     | 40  | 24.6 (16.1, 35.6)   | 0.0002618 (0.0001711, 0.0003783) | 0.06083 (0.04128, 0.08217)  | 12.8 (7.7, 19.6)    | 0.0001454 (0.0000872, 0.0002228) | 0.03515 (0.02220, 0.05286) |
| Sulawesi Utara | Chronic respiratory diseases                  | 40  | 17.9 (11.3, 27.3)   | 0.0001906 (0.0001199, 0.0002903) | 0.04421 (0.02931, 0.06219)  | 10.4 (6.4, 15.6)    | 0.0001189 (0.0000731, 0.0001770) | 0.02874 (0.01834, 0.04182) |
| Sulawesi Utara | Other non-communicable diseases               | 40  | 30.4 (21.9, 41.0)   | 0.0003236 (0.0002329, 0.0004353) | 0.07521 (0.05617, 0.09543)  | 27.3 (19.0, 36.9)   | 0.0003107 (0.0002157, 0.0004196) | 0.07511 (0.05685, 0.09644) |
| Sulawesi Utara | Drowning                                      | 40  | 2.1 (0.5, 5.8)      | 0.0000221 (0.0000054, 0.0000616) | 0.00516 (0.00131, 0.01500)  | 0.7 (0.2, 2.1)      | 0.0000075 (0.0000017, 0.0000237) | 0.0018 (0.00042, 0.00544)  |
| Sulawesi Utara | Falls                                         | 40  | 3.1 (1.3, 5.5)      | 0.0000328 (0.0000135, 0.0000586) | 0.00762 (0.00322, 0.01340)  | 1.4 (0.5, 2.6)      | 0.0000154 (0.0000055, 0.0000295) | 0.00371 (0.00142, 0.00670) |
| Sulawesi Utara | Interpersonal violence                        | 40  | 1.8 (0.9, 3.0)      | 0.0000191 (0.0000099, 0.0000323) | 0.00444 (0.00232, 0.00735)  | 1.4 (0.6, 2.7)      | 0.0000163 (0.0000066, 0.0000303) | 0.00394 (0.00169, 0.00756) |
| Sulawesi Utara | Self-harm                                     | 40  | 3.6 (1.9, 5.9)      | 0.0000378 (0.0000207, 0.0000626) | 0.00876 (0.00505, 0.01360)  | 2.4 (1.2, 4.3)      | 0.0000276 (0.0000140, 0.0000485) | 0.00666 (0.00349, 0.01173) |
| Sulawesi Utara | Transport injuries                            | 40  | 34.3 (22.3, 51.8)   | 0.0003643 (0.0002374, 0.0005505) | 0.08454 (0.05827, 0.11770)  | 11.8 (6.9, 18.4)    | 0.0001348 (0.0000790, 0.0002092) | 0.03256 (0.02051, 0.04870) |
| Sulawesi Utara | Other unintentional injuries                  | 40  | 10.9 (6.3, 17.4)    | 0.0001162 (0.0000672, 0.0001844) | 0.02698 (0.01615, 0.03984)  | 4.8 (2.6, 8.2)      | 0.0000543 (0.0000292, 0.0000931) | 0.01313 (0.00728, 0.02115) |
| Sulawesi Utara | Diarrheal diseases                            | 45  | 4.1 (1.8, 7.3)      | 0.0000523 (0.0000232, 0.0000933) | 0.00859 (0.00379, 0.01481)  | 5.2 (2.4, 9.0)      | 0.000072 (0.0000338, 0.0001246)  | 0.01136 (0.00538, 0.01888) |
| Sulawesi Utara | HIV/AIDS                                      | 45  | 1.1 (0.2, 3.6)      | 0.0000135 (0.0000020, 0.0000458) | 0.00222 (0.000034, 0.00728) | 1.0 (0.1, 3.5)      | 0.0000144 (0.0000021, 0.0000484) | 0.00228 (0.00033, 0.00780) |
| Sulawesi Utara | Lower respiratory infections                  | 45  | 3.5 (1.5, 6.9)      | 0.0000448 (0.0000198, 0.0000880) | 0.00737 (0.00325, 0.01442)  | 2.9 (1.2, 5.7)      | 0.0000399 (0.0000168, 0.0000794) | 0.0063 (0.00275, 0.01239)  |
| Sulawesi Utara | Malaria                                       | 45  | 1.4 (0.2, 4.9)      | 0.000018 (0.0000027, 0.0000623)  | 0.00294 (0.00045, 0.00952)  | 1.3 (0.2, 4.3)      | 0.0000178 (0.0000025, 0.0000592) | 0.0028 (0.00041, 0.00913)  |
| Sulawesi Utara | Tuberculosis                                  | 45  | 25.1 (16.7, 35.9)   | 0.0003228 (0.0002145, 0.0004616) | 0.05304 (0.03769, 0.07133)  | 20.8 (14.0, 29.4)   | 0.0002885 (0.0001934, 0.0004069) | 0.04553 (0.03123, 0.06211) |
| Sulawesi Utara | Maternal disorders                            | 45  |                     |                                  |                             | 0.4 (0.1, 0.9)      | 0.0000051 (0.0000017, 0.0000121) | 0.00081 (0.00027, 0.00187) |
| Sulawesi Utara | Other communicable diseases                   | 45  | 9.0 (4.9, 14.5)     | 0.0001158 (0.0000635, 0.0001861) | 0.01903 (0.01060, 0.02960)  | 7.9 (4.1, 13.1)     | 0.0001092 (0.0000561, 0.0001817) | 0.01718 (0.00941, 0.02683) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 45  | 6.3 (2.5, 12.9)     | 0.000081 (0.0000323, 0.0001652)  | 0.01331 (0.00542, 0.02648)  | 3.1 (1.1, 6.7)      | 0.0000429 (0.0000148, 0.0000931) | 0.00677 (0.00241, 0.01452) |
| Sulawesi Utara | Breast cancer                                 | 45  | 1.1 (0.3, 2.8)      | 0.0000142 (0.0000044, 0.0000359) | 0.00233 (0.00076, 0.00564)  | 48.9 (30.4, 70.9)   | 0.0006773 (0.0004214, 0.0009820) | 0.10673 (0.07191, 0.15056) |
| Sulawesi Utara | Cervical cancer                               | 45  |                     |                                  |                             | 27.4 (12.9, 47.5)   | 0.0003795 (0.0001790, 0.0006581) | 0.05978 (0.02856, 0.09880) |
| Sulawesi Utara | Other malignant neoplasms                     | 45  | 58.7 (41.3, 81.0)   | 0.0007536 (0.0005305, 0.0010406) | 0.12384 (0.09306, 0.16001)  | 20.8 (11.8, 33.6)   | 0.0002885 (0.0001633, 0.0004654) | 0.05452 (0.02590, 0.07067) |
| Sulawesi Utara | Cerebrovascular disease                       | 45  | 84.2 (65.5, 109.2)  | 0.0010813 (0.0008414, 0.0014028) | 0.17767 (0.14992, 0.20762)  | 79.1 (60.2, 99.6)   | 0.0010956 (0.0008337, 0.0013804) | 0.1727 (0.14385, 0.20128)  |
| Sulawesi Utara | Ischemic heart disease                        | 45  | 64.7 (48.2, 85.2)   | 0.0008306 (0.0006185, 0.0010942) | 0.13653 (0.10773, 0.16779)  | 44.0 (31.5, 59.1)   | 0.0006103 (0.0004360, 0.0008194) | 0.09619 (0.07396, 0.12127) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 45  | 14.5 (8.9, 22.4)    | 0.0001861 (0.0001148, 0.0002880) | 0.03059 (0.01963, 0.04640)  | 16.3 (10.0, 25.4)   | 0.0002255 (0.0001383, 0.0003524) | 0.03556 (0.02326, 0.05329) |
| Sulawesi Utara | Diabetes mellitus                             | 45  | 39.5 (28.4, 53.8)   | 0.0005066 (0.0003641, 0.0006903) | 0.08321 (0.06371, 0.10426)  | 71.5 (51.3, 96.4)   | 0.0009912 (0.0007115, 0.0013367) | 0.15616 (0.12142, 0.19304) |
| Sulawesi Utara | Chronic kidney disease                        | 45  | 26.2 (18.4, 36.9)   | 0.0003362 (0.0002357, 0.0004737) | 0.05526 (0.04057, 0.07535)  | 25.0 (17.0, 35.8)   | 0.0003461 (0.0002359, 0.0004966) | 0.05454 (0.03950, 0.07439) |
| Sulawesi Utara | Cirrhosis                                     | 45  | 26.0 (16.9, 38.1)   | 0.0003345 (0.0002165, 0.0004889) | 0.05498 (0.03800, 0.07454)  | 14.4 (8.7, 22.4)    | 0.0001999 (0.0001201, 0.0003107) | 0.03153 (0.01979, 0.04735) |
| Sulawesi Utara | Chronic respiratory diseases                  | 45  | 22.8 (15.0, 34.0)   | 0.0002928 (0.0001930, 0.0004368) | 0.04807 (0.03296, 0.06561)  | 14.4 (9.2, 21.1)    | 0.0002001 (0.0001280, 0.0002926) | 0.03156 (0.02132, 0.04440) |
| Sulawesi Utara | Other non-communicable diseases               | 45  | 31.1 (22.2, 42.6)   | 0.0004 (0.0002854, 0.0005464)    | 0.06577 (0.04982, 0.08440)  | 29.8 (20.8, 40.8)   | 0.0004133 (0.0002880, 0.0005650) | 0.06517 (0.04930, 0.08431) |
| Sulawesi Utara | Drowning                                      | 45  | 1.4 (0.3, 3.8)      | 0.0000174 (0.0000036, 0.0000492) | 0.00286 (0.00064, 0.00808)  | 0.5 (0.1, 1.5)      | 0.0000066 (0.0000013, 0.0000210) | 0.00103 (0.00022, 0.00310) |
| Sulawesi Utara | Falls                                         | 45  | 3.4 (1.4, 6.2)      | 0.0000432 (0.0000183, 0.0000794) | 0.00709 (0.00314, 0.01287)  | 1.6 (0.6, 3.4)      | 0.0000224 (0.0000084, 0.0000417) | 0.00353 (0.00139, 0.00665) |
| Sulawesi Utara | Interpersonal violence                        | 45  | 1.6 (0.8, 2.8)      | 0.0000204 (0.0000101, 0.0000362) | 0.00335 (0.00170, 0.00554)  | 1.3 (0.5, 2.4)      | 0.0000186 (0.0000074, 0.0000335) | 0.00293 (0.00123, 0.00536) |
| Sulawesi Utara | Self-harm                                     | 45  | 3.6 (1.9, 5.9)      | 0.0000461 (0.0000248, 0.0000760) | 0.00757 (0.00421, 0.01189)  | 2.6 (1.3, 4.4)      | 0.0000358 (0.0000174, 0.0000611) | 0.00564 (0.00300, 0.00964) |
| Sulawesi Utara | Transport injuries                            | 45  | 34.5 (22.2, 51.3)   | 0.0004425 (0.0002850, 0.0006590) | 0.07264 (0.04945, 0.10263)  | 12.8 (7.6, 19.5)    | 0.0001773 (0.0001052, 0.0002709) | 0.02795 (0.01731, 0.04206) |
| Sulawesi Utara | Other unintentional injuries                  | 45  | 10.3 (6.0, 16.5)    | 0.0001324 (0.0000771, 0.0002125) | 0.02174 (0.01291, 0.03297)  | 4.8 (2.5, 8.1)      | 0.000067 (0.0000350, 0.0001126)  | 0.01056 (0.00593, 0.01730) |
| Sulawesi Utara | Diarrheal diseases                            | 50  | 6.1 (2.7, 10.9)     | 0.0000891 (0.0000404, 0.0001609) | 0.00954 (0.00446, 0.01620)  | 8.0 (3.9, 13.3)     | 0.0001226 (0.0000607, 0.0002049) | 0.01301 (0.00660, 0.02167) |
| Sulawesi Utara | HIV/AIDS                                      | 50  | 0.5 (0.1, 1.9)      | 0.0000077 (0.0000010, 0.0000285) | 0.00082 (0.00011, 0.00292)  | 0.5 (0.1, 1.9)      | 0.0000081 (0.0000010, 0.0000292) | 0.00086 (0.00011, 0.00323) |
| Sulawesi Utara | Lower respiratory infections                  | 50  | 4.8 (2.1, 9.1)      | 0.0000708 (0.0000302, 0.0001340) | 0.00758 (0.00341, 0.01422)  | 4.3 (1.8, 8.2)      | 0.0000656 (0.0000272, 0.0001264) | 0.00696 (0.00300, 0.01322) |
| Sulawesi Utara | Malaria                                       | 50  | 1.7 (0.3, 5.7)      | 0.0000256 (0.0000038, 0.0000842) | 0.00273 (0.00042, 0.00896)  | 1.5 (0.2, 5.1)      | 0.0000232 (0.0000033, 0.0000778) | 0.00246 (0.00037, 0.00833) |
| Sulawesi Utara | Tuberculosis                                  | 50  | 32.3 (21.4, 45.6)   | 0.0004758 (0.0003149, 0.0006715) | 0.05096 (0.03605, 0.06697)  | 25.8 (17.4, 36.4)   | 0.0003975 (0.0002679, 0.0005604) | 0.04218 (0.02918, 0.05733) |
| Sulawesi Utara | Maternal disorders                            | 50  |                     |                                  |                             | 0.2 (0.0, 0.4)      | 0.0000024 (0.0000005, 0.0000068) | 0.00025 (0.00006, 0.00071) |
| Sulawesi Utara | Other communicable diseases                   | 50  | 10.0 (5.4, 16.3)    | 0.0001465 (0.0000794, 0.0002392) | 0.01569 (0.00865, 0.02437)  | 9.2 (4.9, 15.2)     | 0.0001421 (0.0000762, 0.0002340) | 0.01504 (0.00841, 0.02296) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 50  | 8.9 (3.5, 18.0)     | 0.0001314 (0.0000510, 0.0002653) | 0.01405 (0.00588, 0.02785)  | 3.9 (1.4, 8.3)      | 0.0000602 (0.0000217, 0.0001281) | 0.00639 (0.00237, 0.01374) |
| Sulawesi Utara | Breast cancer                                 | 50  | 1.4 (0.5, 3.0)      | 0.0000208 (0.0000074, 0.0000445) | 0.00223 (0.00080, 0.00481)  | 57.3 (35.2, 85.5)   | 0.0008836 (0.0005420, 0.0013179) | 0.09364 (0.06168, 0.13472) |
| Sulawesi Utara | Cervical cancer                               | 50  |                     |                                  |                             | 26.8 (12.1, 48.5)   | 0.0004135 (0.0001857, 0.0007469) | 0.04382 (0.02016, 0.07770) |
| Sulawesi Utara | Other malignant neoplasms                     | 50  | 67.0 (45.2, 93.4)   | 0.0009856 (0.0006655, 0.0013743) | 0.10555 (0.07856, 0.13859)  | 28.1 (15.8, 44.7)   | 0.0004336 (0.0002440, 0.0006883) | 0.04591 (0.02636, 0.07055) |
| Sulawesi Utara | Cerebrovascular disease                       | 50  | 131.4 (99.6, 167.7) | 0.0019334 (0.0014657, 0.0024676) | 0.20699 (0.17621, 0.23989)  | 121.5 (93.3, 151.4) | 0.0018728 (0.0014381, 0.0023321) | 0.19855 (0.16715, 0.22862) |
| Sulawesi Utara | Ischemic heart disease                        | 50  | 91.9 (67.3, 120.9)  | 0.001352 (0.0009900, 0.0017787)  | 0.14485 (0.11472, 0.17742)  | 59.0 (42.4, 78.9)   | 0.0009092 (0.0006532, 0.0012151) | 0.09639 (0.07358, 0.12177) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 50  | 23.3 (14.4, 35.6)   | 0.0003427 (0.0002121, 0.0005239) | 0.03672 (0.02386, 0.05409)  | 25.3 (15.7, 39.0)   | 0.0003903 (0.0002412, 0.0006017) | 0.0414 (0.02725, 0.06112)  |
| Sulawesi Utara | Diabetes mellitus                             | 50  | 63.8 (45.3, 86.8)   | 0.0009381 (0.0006671, 0.0012770) | 0.10042 (0.07749, 0.12461)  | 109.8 (80.6, 145.5) | 0.0016918 (0.0012426, 0.0022412) | 0.17928 (0.14094, 0.22029) |
| Sulawesi Utara | Chronic kidney disease                        | 50  | 34.3 (23.6, 49.2)   | 0.0005041 (0.0003470, 0.0007231) | 0.05402 (0.03992, 0.07370)  | 31.0 (21.2, 44.5)   | 0.0004773 (0.0003272, 0.0006861) | 0.05059 (0.03640, 0.06839) |
| Sulawesi Utara | Cirrhosis                                     | 50  | 31.7 (20.6, 46.0)   | 0.0004658 (0.0003024, 0.0006773) | 0.04989 (0.03420, 0.06771)  | 17.8 (11.0, 27.3)   | 0.0002737 (0.0001687, 0.0004211) | 0.02902 (0.01851, 0.04373) |
| Sulawesi Utara | Chronic respiratory diseases                  | 50  | 36.5 (23.8, 52.5)   | 0.0005376 (0.0003506, 0.0007719) | 0.05752 (0.03959, 0.07788)  | 23.0 (15.0, 32.9)   | 0.0003551 (0.0002314, 0.0005066) | 0.03766 (0.02537, 0.05186) |
| Sulawesi Utara | Other non-communicable diseases               | 50  | 39.2 (27.2, 53.0)   | 0.000577 (0.0004007, 0.0007799)  | 0.06182 (0.04675, 0.07932)  | 36.9 (25.9, 50.2)   | 0.0005682 (0.0003989, 0.0007733) | 0.06026 (0.04519, 0.07795) |
| Sulawesi Utara | Drowning                                      | 50  | 1.0 (0.2, 2.7)      | 0.0000142 (0.0000030, 0.0000399) | 0.00153 (0.00034, 0.00443)  | 0.4 (0.1, 1.1)      | 0.0000061 (0.0000012, 0.0000171) | 0.00064 (0.00013, 0.00188) |
| Sulawesi Utara | Falls                                         | 50  | 4.0 (1.6, 7.2)      | 0.0000582 (0.0000240, 0.0001057) | 0.00623 (0.00270, 0.01103)  | 2.1 (0.8, 3.8)      | 0.0000322 (0.0000130, 0.0000585) | 0.00341 (0.00144, 0.00613) |
| Sulawesi Utara | Interpersonal violence                        | 50  | 1.5 (0.7, 2.8)      | 0.0000226 (0.0000099, 0.0000408) | 0.00242 (0.00110, 0.00417)  | 1.2 (0.5, 2.2)      | 0.0000185 (0.0000078, 0.0000336) | 0.00196 (0.00084, 0.00351) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Self-harm                                     | 50  | 4.0 (2.0, 6.6)       | 0.000583 (0.000300, 0.000969)    | 0.00624 (0.00348, 0.00999) | 2.6 (1.3, 4.6)       | 0.000398 (0.000203, 0.000708)    | 0.00421 (0.00222, 0.00701) |
| Sulawesi Utara | Transport injuries                            | 50  | 29.9 (18.4, 47.1)    | 0.0004398 (0.0002702, 0.0006924) | 0.04703 (0.03061, 0.06955) | 11.5 (6.6, 17.8)     | 0.0001765 (0.0001013, 0.0002749) | 0.01872 (0.01143, 0.02840) |
| Sulawesi Utara | Other unintentional injuries                  | 50  | 9.6 (5.3, 15.2)      | 0.0001419 (0.0000784, 0.0002237) | 0.01518 (0.00861, 0.02305) | 4.5 (2.4, 7.4)       | 0.0000697 (0.0000374, 0.0001145) | 0.00739 (0.00407, 0.01190) |
| Sulawesi Utara | Diarrheal diseases                            | 55  | 7.5 (3.3, 13.5)      | 0.0001379 (0.0000606, 0.0002485) | 0.00998 (0.00454, 0.01694) | 9.4 (4.6, 16.1)      | 0.0001852 (0.0000909, 0.0003172) | 0.01322 (0.00675, 0.02130) |
| Sulawesi Utara | HIV/AIDS                                      | 55  | 0.2 (0.0, 0.9)       | 0.0000045 (0.0000005, 0.0000162) | 0.00032 (0.00004, 0.00116) | 0.2 (0.0, 0.9)       | 0.0000048 (0.0000005, 0.0000178) | 0.00034 (0.00004, 0.00124) |
| Sulawesi Utara | Lower respiratory infections                  | 55  | 5.5 (2.4, 10.3)      | 0.0001006 (0.0000443, 0.0001895) | 0.00728 (0.00329, 0.01365) | 4.8 (2.0, 9.1)       | 0.0000949 (0.0000403, 0.0001796) | 0.00678 (0.00303, 0.01290) |
| Sulawesi Utara | Malaria                                       | 55  | 2.0 (0.3, 6.5)       | 0.0000372 (0.0000056, 0.0001186) | 0.00268 (0.00042, 0.00800) | 1.6 (0.2, 5.4)       | 0.0000323 (0.0000044, 0.0001065) | 0.0023 (0.00033, 0.00761)  |
| Sulawesi Utara | Tuberculosis                                  | 55  | 32.7 (21.1, 46.7)    | 0.0005994 (0.0003866, 0.0008565) | 0.04338 (0.02978, 0.05756) | 25.4 (16.7, 36.7)    | 0.0005005 (0.0003294, 0.0007246) | 0.03575 (0.02392, 0.04890) |
| Sulawesi Utara | Other communicable diseases                   | 55  | 10.7 (5.5, 17.6)     | 0.0001969 (0.0001012, 0.0003237) | 0.01424 (0.00725, 0.02257) | 9.5 (4.7, 15.8)      | 0.0001875 (0.0000929, 0.0003111) | 0.01335 (0.00691, 0.02124) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 55  | 11.7 (4.5, 23.7)     | 0.0002153 (0.0000824, 0.0004346) | 0.01556 (0.00645, 0.03024) | 3.9 (1.4, 8.4)       | 0.0000777 (0.0000278, 0.0001658) | 0.00554 (0.00203, 0.01165) |
| Sulawesi Utara | Breast cancer                                 | 55  | 1.3 (0.5, 3.0)       | 0.0000244 (0.0000091, 0.0000549) | 0.00176 (0.00067, 0.00395) | 52.2 (31.7, 77.5)    | 0.0010289 (0.0006248, 0.0015292) | 0.07337 (0.04739, 0.10752) |
| Sulawesi Utara | Cervical cancer                               | 55  |                      |                                  |                            | 22.5 (9.4, 41.3)     | 0.0004442 (0.0001852, 0.0008142) | 0.03169 (0.01382, 0.05588) |
| Sulawesi Utara | Other malignant neoplasms                     | 55  | 61.7 (41.0, 87.2)    | 0.0011312 (0.0007520, 0.0016005) | 0.08187 (0.05952, 0.10887) | 28.6 (15.6, 45.8)    | 0.0005637 (0.0003073, 0.0009034) | 0.04015 (0.02305, 0.06112) |
| Sulawesi Utara | Cerebrovascular disease                       | 55  | 178.1 (134.4, 224.8) | 0.003267 (0.0024670, 0.0041245)  | 0.23639 (0.20293, 0.27058) | 162.2 (126.1, 199.9) | 0.0031998 (0.0024871, 0.0039436) | 0.22829 (0.19524, 0.26188) |
| Sulawesi Utara | Ischemic heart disease                        | 55  | 122.5 (88.8, 157.9)  | 0.0022471 (0.0016296, 0.0028980) | 0.16271 (0.13142, 0.19879) | 78.2 (57.3, 104.7)   | 0.0015417 (0.0011308, 0.0020650) | 0.10998 (0.08564, 0.13786) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 55  | 31.0 (19.0, 47.2)    | 0.0005692 (0.0003492, 0.0008668) | 0.04121 (0.02732, 0.06139) | 33.0 (20.5, 49.4)    | 0.0006517 (0.0004051, 0.0009751) | 0.04651 (0.03082, 0.06853) |
| Sulawesi Utara | Diabetes mellitus                             | 55  | 79.9 (56.9, 107.7)   | 0.001466 (0.0010447, 0.0019754)  | 0.10605 (0.08302, 0.13110) | 134.7 (99.8, 175.4)  | 0.002656 (0.0019681, 0.0034605)  | 0.18938 (0.15030, 0.22901) |
| Sulawesi Utara | Chronic kidney disease                        | 55  | 39.5 (27.0, 56.7)    | 0.0007239 (0.0004949, 0.0010395) | 0.05244 (0.03841, 0.07140) | 34.9 (24.0, 49.6)    | 0.0006888 (0.0004737, 0.0009777) | 0.04913 (0.03582, 0.06751) |
| Sulawesi Utara | Cirrhosis                                     | 55  | 33.2 (21.4, 48.5)    | 0.0006085 (0.0003934, 0.0008895) | 0.04406 (0.02992, 0.06068) | 18.4 (11.2, 28.7)    | 0.0003633 (0.0002216, 0.0005661) | 0.02592 (0.01634, 0.03922) |
| Sulawesi Utara | Chronic respiratory diseases                  | 55  | 44.6 (29.7, 65.4)    | 0.0008189 (0.0005446, 0.0011993) | 0.0592 (0.04233, 0.08066)  | 28.2 (19.0, 39.6)    | 0.0005562 (0.0003754, 0.0007818) | 0.03971 (0.02758, 0.05326) |
| Sulawesi Utara | Other non-communicable diseases               | 55  | 47.6 (32.6, 63.1)    | 0.0008736 (0.0005974, 0.0011575) | 0.06327 (0.04889, 0.08002) | 44.1 (31.0, 60.0)    | 0.0008704 (0.0006111, 0.0011841) | 0.0621 (0.04690, 0.07895)  |
| Sulawesi Utara | Drowning                                      | 55  | 0.8 (0.2, 2.4)       | 0.0000144 (0.0000029, 0.0000445) | 0.00105 (0.00021, 0.00308) | 0.3 (0.1, 1.0)       | 0.0000061 (0.0000011, 0.0000190) | 0.00044 (0.00008, 0.00132) |
| Sulawesi Utara | Falls                                         | 55  | 4.8 (2.0, 9.0)       | 0.0000881 (0.0000360, 0.0001653) | 0.00637 (0.00277, 0.01124) | 2.5 (1.0, 4.4)       | 0.0000484 (0.0000199, 0.0000875) | 0.00345 (0.00146, 0.00607) |
| Sulawesi Utara | Interpersonal violence                        | 55  | 1.4 (0.6, 2.6)       | 0.0000261 (0.0000110, 0.0000478) | 0.00189 (0.00084, 0.00343) | 1.0 (0.4, 2.0)       | 0.0000206 (0.0000080, 0.0000386) | 0.00147 (0.00057, 0.00272) |
| Sulawesi Utara | Self-harm                                     | 55  | 4.2 (2.1, 7.2)       | 0.0000774 (0.0000381, 0.0001323) | 0.0056 (0.00305, 0.00931)  | 2.6 (1.3, 4.6)       | 0.0000506 (0.0000253, 0.0000900) | 0.00361 (0.00190, 0.00641) |
| Sulawesi Utara | Transport injuries                            | 55  | 23.1 (13.6, 37.5)    | 0.0004232 (0.0002497, 0.0006889) | 0.03059 (0.01894, 0.04755) | 8.4 (4.7, 13.8)      | 0.0001653 (0.0000920, 0.0002718) | 0.01179 (0.00680, 0.01876) |
| Sulawesi Utara | Other unintentional injuries                  | 55  | 9.1 (4.9, 14.8)      | 0.0001675 (0.0000902, 0.0002714) | 0.01211 (0.00672, 0.01890) | 4.1 (2.2, 6.8)       | 0.0000802 (0.0000427, 0.0001333) | 0.00572 (0.00314, 0.00936) |
| Sulawesi Utara | Diarrheal diseases                            | 60  | 8.4 (3.9, 15.4)      | 0.0002391 (0.0001105, 0.0004393) | 0.01035 (0.00471, 0.01748) | 9.5 (4.7, 16.1)      | 0.0002795 (0.0001380, 0.0004727) | 0.01328 (0.00669, 0.02145) |
| Sulawesi Utara | HIV/AIDS                                      | 60  | 0.2 (0.0, 0.7)       | 0.0000049 (0.0000006, 0.0000197) | 0.00021 (0.00003, 0.00081) | 0.2 (0.0, 0.6)       | 0.0000047 (0.0000005, 0.0000181) | 0.00022 (0.00003, 0.00088) |
| Sulawesi Utara | Lower respiratory infections                  | 60  | 7.3 (3.2, 13.6)      | 0.0002086 (0.0000904, 0.0003889) | 0.00902 (0.00403, 0.01658) | 6.4 (2.8, 12.1)      | 0.0001862 (0.0000810, 0.0003558) | 0.00885 (0.00405, 0.01676) |
| Sulawesi Utara | Malaria                                       | 60  | 2.2 (0.3, 7.3)       | 0.0000638 (0.0000099, 0.0002092) | 0.00275 (0.00043, 0.00867) | 1.6 (0.2, 5.4)       | 0.0000468 (0.0000071, 0.0001583) | 0.00222 (0.00035, 0.00737) |
| Sulawesi Utara | Tuberculosis                                  | 60  | 40.4 (26.4, 55.9)    | 0.0011536 (0.0007541, 0.0015952) | 0.04989 (0.03561, 0.06572) | 30.4 (20.4, 42.1)    | 0.0008919 (0.0005987, 0.0012348) | 0.04239 (0.02950, 0.05695) |
| Sulawesi Utara | Other communicable diseases                   | 60  | 8.4 (4.0, 14.1)      | 0.0002408 (0.0001154, 0.0004032) | 0.01041 (0.00532, 0.01708) | 6.9 (3.3, 11.7)      | 0.0002106 (0.0000965, 0.0003419) | 0.00956 (0.00470, 0.01552) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 60  | 10.0 (3.8, 20.9)     | 0.0002852 (0.0001070, 0.0005966) | 0.01231 (0.00487, 0.02509) | 3.6 (1.3, 8.4)       | 0.0001063 (0.0000369, 0.0002453) | 0.00505 (0.00175, 0.01098) |
| Sulawesi Utara | Breast cancer                                 | 60  | 1.3 (0.5, 3.1)       | 0.0000383 (0.0000137, 0.0000873) | 0.00166 (0.00064, 0.00372) | 38.3 (22.3, 59.6)    | 0.0011238 (0.0006528, 0.0017451) | 0.05335 (0.03195, 0.08101) |
| Sulawesi Utara | Cervical cancer                               | 60  |                      |                                  |                            | 19.8 (8.0, 37.0)     | 0.0005804 (0.0002352, 0.0010835) | 0.02753 (0.01143, 0.04963) |
| Sulawesi Utara | Other malignant neoplasms                     | 60  | 62.1 (40.7, 87.5)    | 0.0017716 (0.0011615, 0.0024950) | 0.0766 (0.05514, 0.10375)  | 27.4 (15.3, 44.5)    | 0.0008035 (0.0004485, 0.0013042) | 0.0381 (0.02179, 0.05966)  |
| Sulawesi Utara | Cerebrovascular disease                       | 60  | 202.0 (150.3, 254.1) | 0.0057628 (0.0042891, 0.0072482) | 0.24913 (0.21608, 0.28437) | 178.5 (142.5, 218.0) | 0.0052316 (0.0041753, 0.0063874) | 0.24839 (0.21430, 0.28443) |
| Sulawesi Utara | Ischemic heart disease                        | 60  | 127.0 (90.3, 164.9)  | 0.003623 (0.0025758, 0.0047040)  | 0.15672 (0.12550, 0.19096) | 84.6 (62.8, 112.0)   | 0.0024776 (0.0018410, 0.0032809) | 0.11763 (0.09150, 0.14827) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 60  | 36.8 (22.6, 56.3)    | 0.0010488 (0.0006436, 0.0016067) | 0.04537 (0.03045, 0.06735) | 35.9 (22.8, 54.5)    | 0.0010518 (0.0006679, 0.0015977) | 0.04995 (0.03252, 0.07411) |
| Sulawesi Utara | Diabetes mellitus                             | 60  | 76.4 (53.3, 102.8)   | 0.0021807 (0.0015206, 0.0029331) | 0.09424 (0.07317, 0.11730) | 124.4 (92.8, 162.2)  | 0.0036458 (0.0027192, 0.0047518) | 0.17303 (0.13602, 0.21315) |
| Sulawesi Utara | Chronic kidney disease                        | 60  | 39.5 (27.0, 57.5)    | 0.0011272 (0.0007698, 0.0016392) | 0.0488 (0.03555, 0.06676)  | 33.0 (22.9, 47.1)    | 0.0009681 (0.0006723, 0.0013796) | 0.04596 (0.03280, 0.06274) |
| Sulawesi Utara | Cirrhosis                                     | 60  | 29.3 (18.6, 43.5)    | 0.0008357 (0.0005312, 0.0012425) | 0.03615 (0.02447, 0.04978) | 15.8 (9.7, 24.4)     | 0.0004617 (0.0002840, 0.0007143) | 0.02193 (0.01377, 0.03372) |
| Sulawesi Utara | Chronic respiratory diseases                  | 60  | 68.2 (44.9, 95.2)    | 0.0019446 (0.0012817, 0.0027174) | 0.08399 (0.06257, 0.10878) | 38.6 (26.5, 52.4)    | 0.0011309 (0.0007777, 0.0015355) | 0.05372 (0.03809, 0.07120) |
| Sulawesi Utara | Other non-communicable diseases               | 60  | 56.4 (38.1, 74.2)    | 0.0016092 (0.0010857, 0.0021156) | 0.06961 (0.05323, 0.08811) | 49.5 (35.4, 66.0)    | 0.0014492 (0.0010368, 0.0019332) | 0.06882 (0.05262, 0.08790) |
| Sulawesi Utara | Drowning                                      | 60  | 0.5 (0.1, 1.6)       | 0.0000148 (0.0000029, 0.0000463) | 0.00064 (0.00013, 0.00189) | 0.2 (0.0, 0.6)       | 0.0000061 (0.0000011, 0.0000180) | 0.00029 (0.00005, 0.00086) |
| Sulawesi Utara | Falls                                         | 60  | 3.7 (1.5, 7.2)       | 0.0001069 (0.0000419, 0.0002059) | 0.00461 (0.00199, 0.00813) | 1.9 (0.8, 3.4)       | 0.0000553 (0.0000221, 0.0000997) | 0.00262 (0.00105, 0.00469) |
| Sulawesi Utara | Interpersonal violence                        | 60  | 1.0 (0.4, 2.0)       | 0.0000298 (0.0000114, 0.0000574) | 0.00129 (0.00050, 0.00239) | 0.7 (0.3, 1.4)       | 0.0000207 (0.0000077, 0.0000407) | 0.00098 (0.00038, 0.00193) |
| Sulawesi Utara | Self-harm                                     | 60  | 3.6 (1.8, 6.5)       | 0.000102 (0.0000502, 0.0001868)  | 0.00441 (0.00230, 0.00759) | 2.0 (1.0, 3.7)       | 0.0000581 (0.0000301, 0.0001075) | 0.00276 (0.00142, 0.00499) |
| Sulawesi Utara | Transport injuries                            | 60  | 18.5 (10.5, 30.3)    | 0.0005279 (0.0002994, 0.0008644) | 0.0228 (0.01373, 0.03565)  | 6.5 (3.7, 10.6)      | 0.0001904 (0.0001070, 0.0003099) | 0.00904 (0.00525, 0.01435) |
| Sulawesi Utara | Other unintentional injuries                  | 60  | 7.3 (3.8, 12.2)      | 0.0002093 (0.0001084, 0.0003470) | 0.00905 (0.00506, 0.01442) | 3.1 (1.6, 5.3)       | 0.0000092 (0.0000040, 0.0001543) | 0.00433 (0.00229, 0.00705) |
| Sulawesi Utara | Diarrheal diseases                            | 65  | 13.0 (6.6, 21.9)     | 0.0005482 (0.0002789, 0.0009228) | 0.01651 (0.00877, 0.02628) | 16.4 (9.1, 25.6)     | 0.0006486 (0.0003591, 0.0010148) | 0.02074 (0.01191, 0.03208) |
| Sulawesi Utara | HIV/AIDS                                      | 65  | 0.2 (0.0, 0.6)       | 0.0000066 (0.0000007, 0.0000248) | 0.0002 (0.00002, 0.00075)  | 0.2 (0.0, 0.6)       | 0.0000065 (0.0000007, 0.0000255) | 0.00021 (0.00002, 0.00082) |
| Sulawesi Utara | Lower respiratory infections                  | 65  | 8.0 (3.4, 15.1)      | 0.0003375 (0.0001452, 0.0006362) | 0.01016 (0.00467, 0.01864) | 8.1 (3.6, 15.3)      | 0.0003228 (0.0001422, 0.0006077) | 0.01034 (0.00477, 0.01917) |
| Sulawesi Utara | Malaria                                       | 65  | 2.2 (0.3, 7.3)       | 0.0000936 (0.0000140, 0.0003057) | 0.00281 (0.00042, 0.00888) | 1.6 (0.2, 5.5)       | 0.0000653 (0.0000094, 0.0002184) | 0.00209 (0.00031, 0.00702) |
| Sulawesi Utara | Tuberculosis                                  | 65  | 40.5 (25.6, 57.1)    | 0.001705 (0.0010774, 0.0024044)  | 0.05131 (0.03569, 0.06799) | 33.2 (22.2, 45.7)    | 0.0013166 (0.0008781, 0.0018098) | 0.04215 (0.02862, 0.05759) |
| Sulawesi Utara | Other communicable diseases                   | 65  | 7.7 (3.6, 13.5)      | 0.000324 (0.0001505, 0.0005673)  | 0.00974 (0.00488, 0.01634) | 7.1 (3.4, 12.5)      | 0.0002804 (0.0001354, 0.0004972) | 0.00895 (0.00440, 0.01501) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 65  | 9.4 (3.5, 19.6)      | 0.0003965 (0.0001492, 0.0008266) | 0.01191 (0.00448, 0.02405) | 3.2 (1.1, 7.3)       | 0.0001273 (0.0000448, 0.0002874) | 0.00407 (0.00143, 0.00918) |
| Sulawesi Utara | Breast cancer                                 | 65  | 1.1 (0.3, 2.6)       | 0.0000469 (0.0000143, 0.0001097) | 0.00141 (0.00044, 0.00320) | 30.7 (16.4, 49.8)    | 0.0012162 (0.0006507, 0.0019723) | 0.0389 (0.02115, 0.06243)  |
| Sulawesi Utara | Cervical cancer                               | 65  |                      |                                  |                            | 18.6 (7.3, 35.4)     | 0.0007385 (0.0002912, 0.0014034) | 0.0236 (0.00991, 0.04397)  |
| Sulawesi Utara | Other malignant neoplasms                     | 65  | 48.9 (31.1, 69.8)    | 0.0020584 (0.0013100, 0.0029391) | 0.06197 (0.04395, 0.08518) | 28.7 (16.2, 46.3)    | 0.0011381 (0.0006416, 0.0018349) | 0.03636 (0.02063, 0.05650) |
| Sulawesi Utara | Cerebrovascular disease                       | 65  | 208.1 (151.6, 263.8) | 0.0087664 (0.0063877, 0.0111147) | 0.26379 (0.22871, 0.30026) | 212.6 (172.3, 258.3) | 0.0084242 (0.0068290, 0.0102368) | 0.2694 (0.23292, 0.30677)  |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara | Ischemic heart disease                        | 65  | 122.7 (85.4, 160.7)  | 0.005169 (0.0035964, 0.0067692)  | 0.15567 (0.12319, 0.19009) | 92.3 (69.0, 122.3)   | 0.0036585 (0.0027337, 0.0048478) | 0.117 (0.09000, 0.14822)   |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 65  | 40.5 (24.4, 61.5)    | 0.0017056 (0.0010261, 0.0025912) | 0.05136 (0.03435, 0.07611) | 44.9 (29.0, 68.1)    | 0.0017792 (0.0011510, 0.0026997) | 0.05692 (0.03750, 0.08395) |
| Sulawesi Utara | Diabetes mellitus                             | 65  | 61.3 (41.1, 84.7)    | 0.0025809 (0.0017307, 0.0035688) | 0.07765 (0.05960, 0.09808) | 116.4 (85.4, 152.7)  | 0.0046144 (0.0033847, 0.0060510) | 0.14751 (0.11289, 0.18450) |
| Sulawesi Utara | Chronic kidney disease                        | 65  | 36.9 (24.2, 54.3)    | 0.0015562 (0.0010217, 0.0022897) | 0.04689 (0.03421, 0.06415) | 34.8 (24.2, 49.6)    | 0.001378 (0.0009609, 0.0019657)  | 0.04407 (0.03141, 0.06012) |
| Sulawesi Utara | Cirrhosis                                     | 65  | 22.6 (13.9, 34.5)    | 0.0009512 (0.0005873, 0.0014525) | 0.02864 (0.01916, 0.04062) | 14.3 (8.7, 22.3)     | 0.0005671 (0.0003446, 0.0008835) | 0.01813 (0.01140, 0.02805) |
| Sulawesi Utara | Chronic respiratory diseases                  | 65  | 74.0 (48.5, 103.8)   | 0.0031174 (0.0020452, 0.0043725) | 0.09372 (0.06968, 0.11939) | 48.6 (34.2, 65.4)    | 0.0019254 (0.0013558, 0.0025913) | 0.06161 (0.04403, 0.08091) |
| Sulawesi Utara | Other non-communicable diseases               | 65  | 62.8 (42.3, 82.7)    | 0.0026465 (0.0017824, 0.0034849) | 0.07972 (0.06149, 0.10101) | 63.2 (45.6, 82.8)    | 0.0025063 (0.0018082, 0.0032808) | 0.08017 (0.06167, 0.10117) |
| Sulawesi Utara | Drowning                                      | 65  | 0.4 (0.1, 1.2)       | 0.0000164 (0.0000029, 0.0000494) | 0.00049 (0.00009, 0.00144) | 0.2 (0.0, 0.6)       | 0.0000078 (0.0000014, 0.0000224) | 0.00025 (0.00005, 0.00074) |
| Sulawesi Utara | Falls                                         | 65  | 3.7 (1.5, 7.0)       | 0.0001545 (0.0000618, 0.0002969) | 0.00464 (0.00200, 0.00840) | 2.3 (0.9, 4.1)       | 0.0000894 (0.0000362, 0.0001621) | 0.00286 (0.00122, 0.00512) |
| Sulawesi Utara | Interpersonal violence                        | 65  | 0.8 (0.3, 1.7)       | 0.0000332 (0.0000112, 0.0000705) | 0.001 (0.00034, 0.00205)   | 0.6 (0.2, 1.2)       | 0.000023 (0.0000081, 0.0000491)  | 0.00073 (0.00027, 0.00157) |
| Sulawesi Utara | Self-harm                                     | 65  | 3.1 (1.4, 5.8)       | 0.0001309 (0.0000606, 0.0002426) | 0.00394 (0.00192, 0.00691) | 1.8 (0.9, 3.3)       | 0.0000732 (0.0000364, 0.0001327) | 0.00234 (0.00114, 0.00420) |
| Sulawesi Utara | Transport injuries                            | 65  | 14.5 (8.2, 24.4)     | 0.0006125 (0.0003436, 0.0010285) | 0.01841 (0.01095, 0.02874) | 6.0 (3.3, 9.9)       | 0.0002396 (0.0001308, 0.0003918) | 0.00766 (0.00443, 0.01224) |
| Sulawesi Utara | Other unintentional injuries                  | 65  | 6.4 (3.3, 10.8)      | 0.0002684 (0.0001378, 0.0004541) | 0.00808 (0.00445, 0.01302) | 3.1 (1.6, 5.2)       | 0.0001233 (0.0000621, 0.0002078) | 0.00394 (0.00210, 0.00651) |
| Sulawesi Utara | Diarrheal diseases                            | 70  | 21.4 (11.6, 34.7)    | 0.0012467 (0.0006766, 0.0020226) | 0.02374 (0.01360, 0.03589) | 31.2 (18.5, 47.6)    | 0.0013867 (0.0008205, 0.0021155) | 0.02792 (0.01678, 0.04129) |
| Sulawesi Utara | HIV/AIDS                                      | 70  | 0.2 (0.0, 1.0)       | 0.000014 (0.0000016, 0.0000556)  | 0.00027 (0.00003, 0.00103) | 0.3 (0.0, 1.2)       | 0.0000135 (0.0000015, 0.0000525) | 0.00027 (0.00003, 0.00106) |
| Sulawesi Utara | Lower respiratory infections                  | 70  | 11.8 (5.2, 21.6)     | 0.0006851 (0.0003025, 0.0012570) | 0.01304 (0.00615, 0.02308) | 15.1 (7.0, 28.1)     | 0.0006712 (0.0003124, 0.0012488) | 0.01352 (0.00650, 0.02443) |
| Sulawesi Utara | Malaria                                       | 70  | 2.4 (0.3, 8.1)       | 0.0001402 (0.0000194, 0.0004740) | 0.00266 (0.00038, 0.00902) | 2.0 (0.3, 6.8)       | 0.0000896 (0.0000123, 0.0003004) | 0.0018 (0.00025, 0.00625)  |
| Sulawesi Utara | Tuberculosis                                  | 70  | 46.9 (28.9, 66.8)    | 0.0027335 (0.0016853, 0.0038901) | 0.05202 (0.03464, 0.06962) | 48.1 (31.4, 67.4)    | 0.0021386 (0.0013979, 0.0029961) | 0.04309 (0.02782, 0.05905) |
| Sulawesi Utara | Other communicable diseases                   | 70  | 9.4 (4.5, 16.7)      | 0.0005503 (0.0002599, 0.0009761) | 0.01047 (0.00534, 0.01752) | 10.2 (5.0, 17.7)     | 0.0004521 (0.0002231, 0.0007883) | 0.00908 (0.00453, 0.01543) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 70  | 9.3 (3.4, 19.7)      | 0.0005398 (0.0001983, 0.0011484) | 0.01026 (0.00409, 0.02063) | 3.9 (1.3, 8.7)       | 0.0001727 (0.0000585, 0.0003878) | 0.00347 (0.00123, 0.00763) |
| Sulawesi Utara | Breast cancer                                 | 70  | 0.9 (0.3, 2.4)       | 0.0000549 (0.0000149, 0.0001392) | 0.00104 (0.00030, 0.00247) | 27.8 (14.5, 46.0)    | 0.0012345 (0.0006448, 0.0020435) | 0.02485 (0.01349, 0.04104) |
| Sulawesi Utara | Cervical cancer                               | 70  |                      |                                  |                            | 18.7 (7.2, 36.6)     | 0.0008302 (0.0003198, 0.0016275) | 0.01669 (0.00669, 0.03181) |
| Sulawesi Utara | Other malignant neoplasms                     | 70  | 43.8 (27.8, 63.3)    | 0.002553 (0.0016227, 0.0036893)  | 0.04862 (0.03404, 0.06711) | 33.9 (18.9, 53.9)    | 0.0015056 (0.0008393, 0.0023960) | 0.03027 (0.01723, 0.04619) |
| Sulawesi Utara | Cerebrovascular disease                       | 70  | 244.2 (175.6, 311.4) | 0.0142312 (0.0102304, 0.0181442) | 0.27077 (0.23575, 0.30728) | 321.6 (261.6, 388.6) | 0.0142947 (0.0116291, 0.0172768) | 0.2877 (0.24931, 0.32702)  |
| Sulawesi Utara | Ischemic heart disease                        | 70  | 133.8 (90.6, 177.6)  | 0.0077987 (0.0052770, 0.0103504) | 0.14851 (0.11836, 0.18273) | 136.6 (102.7, 178.0) | 0.0060745 (0.0045633, 0.0079107) | 0.12225 (0.09499, 0.15358) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 70  | 51.1 (30.5, 77.6)    | 0.0029794 (0.0017784, 0.0045230) | 0.05675 (0.03747, 0.08334) | 70.3 (45.3, 104.6)   | 0.0031252 (0.0020152, 0.0046498) | 0.06293 (0.04201, 0.09303) |
| Sulawesi Utara | Diabetes mellitus                             | 70  | 52.5 (34.0, 72.9)    | 0.0030583 (0.0019821, 0.0042476) | 0.05818 (0.04418, 0.07481) | 130.2 (94.9, 172.8)  | 0.0057884 (0.0042173, 0.0076834) | 0.11647 (0.08955, 0.14936) |
| Sulawesi Utara | Chronic kidney disease                        | 70  | 36.9 (24.0, 55.1)    | 0.0021493 (0.0013993, 0.0032118) | 0.04095 (0.02963, 0.05627) | 44.1 (30.7, 62.1)    | 0.0019582 (0.0013652, 0.0027585) | 0.0394 (0.02818, 0.05428)  |
| Sulawesi Utara | Cirrhosis                                     | 70  | 21.8 (13.1, 33.3)    | 0.0012692 (0.0007651, 0.0019389) | 0.02416 (0.01617, 0.03446) | 17.8 (11.0, 27.9)    | 0.0007901 (0.0004872, 0.0012384) | 0.0159 (0.01013, 0.02444)  |
| Sulawesi Utara | Chronic respiratory diseases                  | 70  | 104.0 (70.1, 144.1)  | 0.0060585 (0.0040876, 0.0083987) | 0.11515 (0.08867, 0.14419) | 85.0 (60.9, 113.5)   | 0.0037776 (0.0027076, 0.0050440) | 0.07606 (0.05641, 0.09912) |
| Sulawesi Utara | Other non-communicable diseases               | 70  | 79.8 (53.3, 106.4)   | 0.0046503 (0.0031084, 0.0061991) | 0.08855 (0.06834, 0.11163) | 101.8 (74.1, 133.2)  | 0.0045242 (0.0032955, 0.0059220) | 0.09107 (0.07155, 0.11503) |
| Sulawesi Utara | Drowning                                      | 70  | 0.8 (0.1, 2.4)       | 0.0000437 (0.0000083, 0.0001400) | 0.00083 (0.00016, 0.00257) | 0.5 (0.1, 1.5)       | 0.0000218 (0.0000042, 0.0000682) | 0.00044 (0.00008, 0.00133) |
| Sulawesi Utara | Falls                                         | 70  | 4.6 (1.8, 8.5)       | 0.000267 (0.0001031, 0.0004925)  | 0.00507 (0.00209, 0.00890) | 3.6 (1.5, 6.4)       | 0.0001602 (0.0000655, 0.0002839) | 0.00322 (0.00134, 0.00558) |
| Sulawesi Utara | Interpersonal violence                        | 70  | 0.6 (0.2, 1.4)       | 0.0000371 (0.0000116, 0.0000836) | 0.00071 (0.00022, 0.00152) | 0.6 (0.2, 1.3)       | 0.0000256 (0.0000083, 0.0000575) | 0.00052 (0.00017, 0.00112) |
| Sulawesi Utara | Self-harm                                     | 70  | 3.0 (1.4, 5.7)       | 0.0001733 (0.0000793, 0.0003330) | 0.0033 (0.00158, 0.00612)  | 2.2 (1.0, 4.0)       | 0.0000961 (0.0000458, 0.0001800) | 0.00193 (0.00096, 0.00359) |
| Sulawesi Utara | Transport injuries                            | 70  | 15.6 (8.3, 26.6)     | 0.0009062 (0.0004826, 0.0015506) | 0.01722 (0.00997, 0.02759) | 8.2 (4.5, 13.2)      | 0.0003637 (0.0001982, 0.0005884) | 0.00732 (0.00410, 0.01171) |
| Sulawesi Utara | Other unintentional injuries                  | 70  | 7.0 (3.6, 11.8)      | 0.0004069 (0.0002096, 0.0006853) | 0.00774 (0.00441, 0.01231) | 4.3 (2.3, 7.2)       | 0.0001897 (0.0001010, 0.0003202) | 0.00382 (0.00206, 0.00634) |
| Sulawesi Utara | Diarrheal diseases                            | 75  | 22.1 (12.1, 35.4)    | 0.0021495 (0.0011752, 0.0034465) | 0.02922 (0.01746, 0.04384) | 40.0 (24.2, 59.9)    | 0.0025959 (0.0015740, 0.0038906) | 0.03356 (0.02042, 0.04897) |
| Sulawesi Utara | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.6)       | 0.0000154 (0.0000017, 0.0000577) | 0.00021 (0.00002, 0.00077) | 0.2 (0.0, 0.9)       | 0.0000161 (0.0000019, 0.0000600) | 0.00021 (0.00002, 0.00080) |
| Sulawesi Utara | Lower respiratory infections                  | 75  | 10.7 (5.0, 19.8)     | 0.0010401 (0.0004838, 0.0019277) | 0.01414 (0.00676, 0.02536) | 17.2 (8.1, 31.3)     | 0.0011175 (0.0005250, 0.0020351) | 0.01445 (0.00709, 0.02616) |
| Sulawesi Utara | Malaria                                       | 75  | 2.1 (0.3, 7.2)       | 0.0002 (0.0000266, 0.0007048)    | 0.00271 (0.00037, 0.00953) | 2.1 (0.3, 7.4)       | 0.000137 (0.0000181, 0.0004828)  | 0.00177 (0.00024, 0.00625) |
| Sulawesi Utara | Tuberculosis                                  | 75  | 33.3 (19.4, 49.1)    | 0.0032456 (0.0018884, 0.0047836) | 0.04411 (0.02978, 0.06136) | 42.3 (27.1, 60.9)    | 0.0027493 (0.0017579, 0.0039552) | 0.03557 (0.02277, 0.05105) |
| Sulawesi Utara | Other communicable diseases                   | 75  | 8.0 (3.7, 14.4)      | 0.0007747 (0.0003637, 0.0014064) | 0.01052 (0.00523, 0.01814) | 10.7 (5.2, 19.2)     | 0.0006933 (0.0003358, 0.0012490) | 0.00895 (0.00430, 0.01536) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 75  | 6.5 (2.3, 13.9)      | 0.0006331 (0.0002245, 0.0013517) | 0.00859 (0.00333, 0.01754) | 3.2 (1.1, 7.3)       | 0.0002057 (0.0000693, 0.0004720) | 0.00266 (0.00092, 0.00618) |
| Sulawesi Utara | Breast cancer                                 | 75  | 0.5 (0.1, 1.3)       | 0.0000493 (0.0000117, 0.0001299) | 0.00067 (0.00016, 0.00168) | 20.1 (10.0, 34.0)    | 0.0013052 (0.0006478, 0.0022082) | 0.01688 (0.00834, 0.02882) |
| Sulawesi Utara | Cervical cancer                               | 75  |                      |                                  |                            | 13.8 (5.3, 27.0)     | 0.0008995 (0.0003415, 0.0017519) | 0.01161 (0.00457, 0.02257) |
| Sulawesi Utara | Other malignant neoplasms                     | 75  | 28.1 (17.2, 42.4)    | 0.0027364 (0.0016761, 0.0041244) | 0.03722 (0.02590, 0.05173) | 32.6 (18.7, 51.4)    | 0.0021191 (0.0012133, 0.0033361) | 0.02737 (0.01631, 0.04161) |
| Sulawesi Utara | Cerebrovascular disease                       | 75  | 208.3 (145.3, 270.2) | 0.0202846 (0.0141500, 0.0263115) | 0.27569 (0.23867, 0.31373) | 354.2 (289.8, 420.5) | 0.023002 (0.0188187, 0.0273122)  | 0.29734 (0.25773, 0.33651) |
| Sulawesi Utara | Ischemic heart disease                        | 75  | 121.8 (81.5, 163.6)  | 0.011862 (0.0079377, 0.0159340)  | 0.16135 (0.12939, 0.19968) | 160.0 (120.8, 206.5) | 0.010393 (0.0078456, 0.0134139)  | 0.13433 (0.10475, 0.16968) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 75  | 44.3 (25.9, 66.8)    | 0.0043116 (0.0025213, 0.0065085) | 0.05868 (0.03847, 0.08618) | 78.4 (51.0, 115.5)   | 0.0050917 (0.0033127, 0.0075001) | 0.06585 (0.04364, 0.09628) |
| Sulawesi Utara | Diabetes mellitus                             | 75  | 37.0 (23.8, 53.6)    | 0.0036053 (0.0023140, 0.0052141) | 0.04898 (0.03710, 0.06434) | 119.6 (86.6, 158.0)  | 0.0077706 (0.0056236, 0.0102606) | 0.10043 (0.07562, 0.12973) |
| Sulawesi Utara | Chronic kidney disease                        | 75  | 27.5 (17.6, 41.5)    | 0.0026807 (0.0017108, 0.0040437) | 0.03649 (0.02609, 0.05015) | 42.2 (29.5, 59.2)    | 0.002743 (0.0019163, 0.0038470)  | 0.03545 (0.02503, 0.04907) |
| Sulawesi Utara | Cirrhosis                                     | 75  | 16.3 (9.9, 25.0)     | 0.0015892 (0.0009628, 0.0024302) | 0.02161 (0.01420, 0.03098) | 17.2 (10.8, 27.1)    | 0.0011185 (0.0007003, 0.0017575) | 0.01446 (0.00907, 0.02240) |
| Sulawesi Utara | Chronic respiratory diseases                  | 75  | 85.5 (55.4, 119.8)   | 0.0083258 (0.0053958, 0.0116612) | 0.11303 (0.08744, 0.14113) | 89.6 (65.2, 118.1)   | 0.0058179 (0.0042349, 0.0076696) | 0.07523 (0.05580, 0.09706) |
| Sulawesi Utara | Other non-communicable diseases               | 75  | 77.6 (50.8, 104.8)   | 0.0075549 (0.0049500, 0.0102078) | 0.10276 (0.07960, 0.12785) | 127.4 (95.2, 163.8)  | 0.0082709 (0.0061854, 0.0106391) | 0.10694 (0.08380, 0.13335) |
| Sulawesi Utara | Drowning                                      | 75  | 1.0 (0.2, 3.3)       | 0.0000979 (0.0000200, 0.0003188) | 0.00133 (0.00029, 0.00411) | 0.8 (0.2, 2.4)       | 0.0000539 (0.0000117, 0.0001589) | 0.0007 (0.00015, 0.00210)  |
| Sulawesi Utara | Falls                                         | 75  | 5.2 (2.1, 9.5)       | 0.0005022 (0.0002065, 0.0009237) | 0.00681 (0.00308, 0.01189) | 5.1 (2.2, 8.8)       | 0.0003307 (0.0001440, 0.0005687) | 0.00428 (0.00191, 0.00720) |
| Sulawesi Utara | Interpersonal violence                        | 75  | 0.4 (0.1, 1.2)       | 0.0000419 (0.0000098, 0.0001174) | 0.00057 (0.00014, 0.00148) | 0.5 (0.1, 1.3)       | 0.0000313 (0.0000077, 0.0000843) | 0.0004 (0.00011, 0.00109)  |
| Sulawesi Utara | Self-harm                                     | 75  | 2.4 (1.0, 4.9)       | 0.0002351 (0.0000973, 0.0004797) | 0.0032 (0.00142, 0.00635)  | 2.2 (1.0, 4.3)       | 0.0001406 (0.0000641, 0.0002799) | 0.00182 (0.00084, 0.00361) |
| Sulawesi Utara | Transport injuries                            | 75  | 10.7 (5.5, 18.4)     | 0.0010379 (0.0005316, 0.0017895) | 0.0141 (0.00813, 0.02313)  | 7.0 (3.7, 12.0)      | 0.0004549 (0.0002423, 0.0007785) | 0.00588 (0.00320, 0.00979) |
| Sulawesi Utara | Other unintentional injuries                  | 75  | 6.0 (3.0, 10.6)      | 0.0005887 (0.0002957, 0.0010350) | 0.00801 (0.00431, 0.01327) | 4.6 (2.4, 7.9)       | 0.0002988 (0.0001582, 0.0005104) | 0.00386 (0.00201, 0.00646) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-----------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Utara  | Diarrheal diseases                                       | 80  | 48.2 (30.5, 71.3)          | 0.0073485 (0.0046471, 0.0108682) | 0.05143 (0.03378, 0.07139) | 100.7 (67.3, 139.8)        | 0.0085556 (0.0057226, 0.0118794) | 0.05306 (0.03524, 0.07401) |
| Sulawesi Utara  | HIV/AIDS                                                 | 80  | 0.2 (0.0, 0.8)             | 0.0000317 (0.0000032, 0.0001293) | 0.00022 (0.00002, 0.00094) | 0.4 (0.0, 1.7)             | 0.0000351 (0.0000034, 0.0001480) | 0.00022 (0.00002, 0.00092) |
| Sulawesi Utara  | Lower respiratory infections                             | 80  | 16.4 (7.7, 29.2)           | 0.0024938 (0.0011770, 0.0044553) | 0.01745 (0.00813, 0.03032) | 33.4 (16.2, 59.0)          | 0.002842 (0.0013754, 0.0050178)  | 0.01763 (0.00860, 0.03099) |
| Sulawesi Utara  | Malaria                                                  | 80  | 2.8 (0.4, 10.2)            | 0.0004343 (0.0000541, 0.0015577) | 0.00303 (0.00040, 0.01110) | 3.6 (0.4, 12.9)            | 0.0003024 (0.0000370, 0.0010921) | 0.00187 (0.00023, 0.00669) |
| Sulawesi Utara  | Tuberculosis                                             | 80  | 39.0 (23.7, 58.6)          | 0.0059426 (0.0036141, 0.0089333) | 0.04159 (0.02721, 0.05999) | 67.9 (43.1, 100.8)         | 0.0057689 (0.0036661, 0.0085648) | 0.0358 (0.02228, 0.05241)  |
| Sulawesi Utara  | Other communicable diseases                              | 80  | 11.9 (6.1, 20.9)           | 0.0018148 (0.0009320, 0.0031908) | 0.01269 (0.00644, 0.02189) | 18.2 (9.2, 32.7)           | 0.0015483 (0.0007781, 0.0027783) | 0.00959 (0.00483, 0.01673) |
| Sulawesi Utara  | Tracheal, bronchus, and lung cancer                      | 80  | 6.3 (2.4, 13.3)            | 0.0009626 (0.0003622, 0.0020302) | 0.00673 (0.00263, 0.01414) | 4.4 (1.4, 10.2)            | 0.0003736 (0.0001231, 0.0008697) | 0.00231 (0.00077, 0.00544) |
| Sulawesi Utara  | Breast cancer                                            | 80  | 0.5 (0.1, 1.3)             | 0.0000717 (0.0000155, 0.0001997) | 0.0005 (0.00012, 0.00130)  | 21.3 (9.9, 39.8)           | 0.0018112 (0.0008375, 0.0033846) | 0.01123 (0.00529, 0.02114) |
| Sulawesi Utara  | Cervical cancer                                          | 80  |                            |                                  |                            | 13.7 (4.7, 29.0)           | 0.0011614 (0.0004017, 0.0024682) | 0.00719 (0.00250, 0.01533) |
| Sulawesi Utara  | Other malignant neoplasms                                | 80  | 28.9 (18.6, 42.1)          | 0.0044018 (0.0028296, 0.0064243) | 0.03081 (0.02099, 0.04384) | 41.6 (24.3, 64.5)          | 0.0035352 (0.0020664, 0.0054822) | 0.02191 (0.01277, 0.03346) |
| Sulawesi Utara  | Cerebrovascular disease                                  | 80  | 262.3 (202.9, 321.7)       | 0.0399867 (0.0309273, 0.0490324) | 0.27974 (0.24184, 0.31871) | 578.5 (486.9, 669.6)       | 0.0491622 (0.0413770, 0.0569041) | 0.30482 (0.26298, 0.34371) |
| Sulawesi Utara  | Ischemic heart disease                                   | 80  | 137.8 (100.2, 176.1)       | 0.021001 (0.0152778, 0.0268410)  | 0.147 (0.11539, 0.18315)   | 259.3 (199.0, 328.7)       | 0.0220312 (0.0169131, 0.0279359) | 0.13659 (0.10525, 0.17092) |
| Sulawesi Utara  | Other cardiovascular and circulatory diseases            | 80  | 52.1 (32.5, 77.8)          | 0.007947 (0.0049489, 0.0118590)  | 0.05564 (0.03667, 0.08147) | 116.6 (74.9, 172.8)        | 0.0099108 (0.0063622, 0.0146860) | 0.06146 (0.03993, 0.09029) |
| Sulawesi Utara  | Diabetes mellitus                                        | 80  | 36.8 (25.1, 50.9)          | 0.0056115 (0.0038331, 0.0077654) | 0.03926 (0.02886, 0.05207) | 157.4 (114.9, 209.8)       | 0.0133749 (0.0097667, 0.0178303) | 0.08293 (0.06108, 0.10936) |
| Sulawesi Utara  | Chronic kidney disease                                   | 80  | 28.1 (19.1, 40.7)          | 0.0042902 (0.0029125, 0.0062085) | 0.03003 (0.02152, 0.04172) | 57.2 (39.7, 80.0)          | 0.0048567 (0.0033744, 0.0067986) | 0.03011 (0.02141, 0.04204) |
| Sulawesi Utara  | Cirrhosis                                                | 80  | 17.4 (11.0, 26.2)          | 0.0026587 (0.0016768, 0.0039877) | 0.0186 (0.01209, 0.02673)  | 23.4 (14.7, 36.4)          | 0.0019844 (0.0012524, 0.0030956) | 0.0123 (0.00774, 0.01935)  |
| Sulawesi Utara  | Chronic respiratory diseases                             | 80  | 108.6 (77.9, 145.0)        | 0.0165532 (0.0118717, 0.0221094) | 0.11573 (0.08903, 0.14449) | 142.4 (102.4, 185.7)       | 0.0121046 (0.0087036, 0.0157774) | 0.07507 (0.05436, 0.09773) |
| Sulawesi Utara  | Other non-communicable diseases                          | 80  | 107.7 (77.2, 138.1)        | 0.016423 (0.0117669, 0.0210506)  | 0.11493 (0.09028, 0.14211) | 226.3 (174.1, 286.1)       | 0.0192299 (0.0147958, 0.0243152) | 0.11927 (0.09392, 0.14823) |
| Sulawesi Utara  | Drowning                                                 | 80  | 1.3 (0.2, 4.2)             | 0.0001999 (0.0000371, 0.0006415) | 0.0014 (0.00028, 0.00455)  | 1.2 (0.2, 4.2)             | 0.0001051 (0.0000191, 0.0003528) | 0.00065 (0.00012, 0.00221) |
| Sulawesi Utara  | Falls                                                    | 80  | 8.8 (3.9, 15.1)            | 0.0013474 (0.0005874, 0.0023078) | 0.00942 (0.00420, 0.01602) | 10.3 (4.7, 17.3)           | 0.000871 (0.0004010, 0.0014702)  | 0.0054 (0.00253, 0.00902)  |
| Sulawesi Utara  | Interpersonal violence                                   | 80  | 0.4 (0.1, 1.3)             | 0.0000633 (0.0000102, 0.0001969) | 0.00044 (0.00007, 0.00131) | 0.6 (0.1, 1.9)             | 0.0000513 (0.0000082, 0.0001619) | 0.00032 (0.00005, 0.00102) |
| Sulawesi Utara  | Self-harm                                                | 80  | 2.8 (1.0, 6.0)             | 0.0004236 (0.0001592, 0.0009128) | 0.00296 (0.00117, 0.00617) | 3.3 (1.3, 6.9)             | 0.0002774 (0.0001084, 0.0005829) | 0.00172 (0.00069, 0.00367) |
| Sulawesi Utara  | Transport injuries                                       | 80  | 11.9 (6.1, 20.8)           | 0.0018107 (0.0009271, 0.0031693) | 0.01267 (0.00672, 0.02152) | 9.4 (4.6, 16.6)            | 0.0007991 (0.0003887, 0.0014124) | 0.00496 (0.00241, 0.00872) |
| Sulawesi Utara  | Other unintentional injuries                             | 80  | 7.2 (3.6, 12.4)            | 0.0011002 (0.0005434, 0.0018953) | 0.0077 (0.00405, 0.01304)  | 6.8 (3.2, 12.0)            | 0.0005768 (0.0002744, 0.0010157) | 0.00358 (0.00172, 0.00626) |
| Sulawesi Utara  | Diarrheal diseases                                       | All | 236.3 (140.6, 349.3)       | 0.0001914 (0.0001139, 0.0002829) | 0.02749 (0.01683, 0.03918) | 334.9 (212.7, 487.9)       | 0.0002829 (0.0001797, 0.0004121) | 0.03528 (0.02245, 0.04955) |
| Sulawesi Utara  | HIV/AIDS                                                 | All | 22.9 (4.1, 66.7)           | 0.0000185 (0.0000033, 0.0000540) | 0.00266 (0.00049, 0.00762) | 17.6 (3.0, 52.8)           | 0.0000149 (0.0000026, 0.0000446) | 0.00185 (0.00033, 0.00560) |
| Sulawesi Utara  | Lower respiratory infections                             | All | 190.2 (110.2, 291.2)       | 0.000154 (0.0000892, 0.0002358)  | 0.02213 (0.01326, 0.03264) | 175.6 (105.7, 273.8)       | 0.0001483 (0.0000893, 0.0002312) | 0.01851 (0.01127, 0.02846) |
| Sulawesi Utara  | Malaria                                                  | All | 28.6 (4.3, 95.7)           | 0.0000232 (0.0000035, 0.0000775) | 0.00332 (0.00052, 0.01110) | 24.1 (3.7, 81.2)           | 0.0000204 (0.0000031, 0.0000686) | 0.00253 (0.00039, 0.00857) |
| Sulawesi Utara  | Tuberculosis                                             | All | 409.3 (266.7, 576.9)       | 0.0003315 (0.0002160, 0.0004672) | 0.04752 (0.03335, 0.06345) | 367.0 (248.4, 512.5)       | 0.00031 (0.0002098, 0.0004330)   | 0.03865 (0.02561, 0.05304) |
| Sulawesi Utara  | Maternal disorders                                       | All |                            |                                  |                            | 22.9 (12.3, 38.9)          | 0.0000194 (0.0000104, 0.0000328) | 0.00241 (0.00135, 0.00389) |
| Sulawesi Utara  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 100.0 (41.8, 186.1)        | 0.0000809 (0.0000339, 0.0001507) | 0.01163 (0.00486, 0.02188) | 66.1 (26.2, 127.6)         | 0.0000558 (0.0000221, 0.0001078) | 0.00695 (0.00280, 0.01341) |
| Sulawesi Utara  | Preterm birth complications                              | All | 121.3 (46.4, 224.4)        | 0.0000983 (0.0000376, 0.0001817) | 0.0141 (0.00561, 0.02637)  | 109.7 (44.5, 204.6)        | 0.0000927 (0.0000376, 0.0001728) | 0.01155 (0.00473, 0.02157) |
| Sulawesi Utara  | Other neonatal disorders                                 | All | 140.7 (46.7, 286.6)        | 0.0001139 (0.0000378, 0.0002321) | 0.01639 (0.00565, 0.03348) | 96.1 (29.5, 211.0)         | 0.0000812 (0.0000249, 0.0001783) | 0.0101 (0.00326, 0.02145)  |
| Sulawesi Utara  | Other communicable diseases                              | All | 283.1 (178.8, 401.2)       | 0.0002292 (0.0001448, 0.0003249) | 0.03296 (0.02182, 0.04582) | 226.3 (135.8, 335.3)       | 0.0001912 (0.0001148, 0.0002833) | 0.0238 (0.01485, 0.03459)  |
| Sulawesi Utara  | Tracheal, bronchus, and lung cancer                      | All | 80.8 (31.9, 162.8)         | 0.0000655 (0.0000259, 0.0001319) | 0.00937 (0.00384, 0.01824) | 36.6 (13.1, 78.6)          | 0.0000309 (0.0000110, 0.0000664) | 0.00385 (0.00144, 0.00822) |
| Sulawesi Utara  | Breast cancer                                            | All | 9.9 (3.7, 22.3)            | 0.000008 (0.0000030, 0.0000180)  | 0.00115 (0.00045, 0.00252) | 408.8 (250.3, 614.5)       | 0.0003454 (0.0002114, 0.0005191) | 0.04297 (0.02773, 0.06467) |
| Sulawesi Utara  | Cervical cancer                                          | All |                            |                                  |                            | 248.0 (115.8, 432.7)       | 0.0002095 (0.0000978, 0.0003655) | 0.02604 (0.01234, 0.04384) |
| Sulawesi Utara  | Other malignant neoplasms                                | All | 592.1 (409.0, 817.2)       | 0.0004795 (0.0003312, 0.0006618) | 0.06877 (0.05114, 0.09168) | 352.0 (216.6, 526.9)       | 0.0002974 (0.0001829, 0.0004451) | 0.03698 (0.02329, 0.05391) |
| Sulawesi Utara  | Cerebrovascular disease                                  | All | 1,656.5 (1,242.3, 2,094.2) | 0.0013415 (0.0010060, 0.0016960) | 0.19217 (0.16442, 0.22395) | 2,128.9 (1,732.0, 2,545.7) | 0.0017984 (0.0014631, 0.0021504) | 0.22407 (0.19136, 0.25522) |
| Sulawesi Utara  | Ischemic heart disease                                   | All | 1,044.2 (755.0, 1,360.9)   | 0.0008456 (0.0006114, 0.0011021) | 0.12119 (0.09628, 0.14741) | 985.8 (741.4, 1,280.2)     | 0.0008328 (0.0006263, 0.0010814) | 0.10373 (0.08085, 0.12997) |
| Sulawesi Utara  | Other cardiovascular and circulatory diseases            | All | 326.8 (202.1, 493.5)       | 0.0002647 (0.0001637, 0.0003996) | 0.03793 (0.02523, 0.05550) | 456.4 (298.4, 680.4)       | 0.0003855 (0.0002521, 0.0005748) | 0.04805 (0.03146, 0.07025) |
| Sulawesi Utara  | Diabetes mellitus                                        | All | 493.5 (346.6, 669.5)       | 0.0003996 (0.0002807, 0.0005422) | 0.05723 (0.04404, 0.07242) | 1,049.0 (771.1, 1,382.4)   | 0.0008861 (0.0006514, 0.0011677) | 0.11031 (0.08503, 0.13942) |
| Sulawesi Utara  | Chronic kidney disease                                   | All | 354.6 (248.7, 506.2)       | 0.0002871 (0.0002014, 0.0004099) | 0.04119 (0.03052, 0.05600) | 381.1 (268.5, 533.3)       | 0.0003219 (0.0002268, 0.0004505) | 0.04008 (0.02973, 0.05422) |
| Sulawesi Utara  | Cirrhosis                                                | All | 279.0 (180.5, 402.3)       | 0.0002259 (0.0001462, 0.0003258) | 0.03242 (0.02199, 0.04474) | 180.5 (112.3, 277.8)       | 0.0001525 (0.0000949, 0.0002347) | 0.01898 (0.01217, 0.02865) |
| Sulawesi Utara  | Chronic respiratory diseases                             | All | 608.5 (416.2, 855.5)       | 0.0004928 (0.0003370, 0.0006928) | 0.07055 (0.05201, 0.09326) | 508.2 (359.1, 680.0)       | 0.0004293 (0.0003034, 0.0005744) | 0.05351 (0.03849, 0.07079) |
| Sulawesi Utara  | Other non-communicable diseases                          | All | 792.1 (589.3, 1,008.4)     | 0.0006415 (0.0004773, 0.0008166) | 0.09203 (0.07450, 0.11082) | 953.2 (741.0, 1,190.7)     | 0.0008052 (0.0006259, 0.0010058) | 0.10033 (0.08090, 0.12269) |
| Sulawesi Utara  | Drowning                                                 | All | 60.5 (18.3, 133.3)         | 0.000049 (0.0000148, 0.0001080)  | 0.00708 (0.00212, 0.01528) | 21.3 (6.3, 49.7)           | 0.000018 (0.0000053, 0.0000420)  | 0.00225 (0.00064, 0.00526) |
| Sulawesi Utara  | Falls                                                    | All | 60.5 (26.9, 105.3)         | 0.000049 (0.0000218, 0.0000853)  | 0.00701 (0.00322, 0.01156) | 38.4 (16.8, 65.7)          | 0.0000324 (0.0000142, 0.0000555) | 0.00404 (0.00180, 0.00675) |
| Sulawesi Utara  | Interpersonal violence                                   | All | 24.3 (14.6, 38.7)          | 0.0000197 (0.0000118, 0.0000313) | 0.00282 (0.00174, 0.00434) | 18.8 (9.5, 32.3)           | 0.0000159 (0.0000080, 0.0000273) | 0.00198 (0.00103, 0.00344) |
| Sulawesi Utara  | Self-harm                                                | All | 49.5 (29.1, 78.9)          | 0.0000401 (0.0000236, 0.0000639) | 0.00575 (0.00355, 0.00867) | 34.4 (18.8, 58.8)          | 0.0000291 (0.0000158, 0.0000496) | 0.00362 (0.00206, 0.00594) |
| Sulawesi Utara  | Transport injuries                                       | All | 482.7 (338.4, 690.5)       | 0.0003909 (0.0002740, 0.0005592) | 0.05605 (0.04104, 0.07489) | 185.6 (118.9, 266.3)       | 0.0001568 (0.0001004, 0.0002249) | 0.01952 (0.01279, 0.02749) |
| Sulawesi Utara  | Other unintentional injuries                             | All | 164.3 (102.7, 248.6)       | 0.000133 (0.0000832, 0.0002013)  | 0.01909 (0.01244, 0.02746) | 76.7 (45.6, 120.4)         | 0.0000648 (0.0000385, 0.0001017) | 0.00807 (0.00482, 0.01249) |
| Sulawesi Tengah | Diarrheal diseases                                       | NN  | 14.8 (5.5, 30.4)           | 0.006234 (0.0022994, 0.0128230)  | 0.01334 (0.00677, 0.02311) | 10.3 (3.7, 22.6)           | 0.0045155 (0.0016371, 0.0099094) | 0.01491 (0.00786, 0.02513) |
| Sulawesi Tengah | Lower respiratory infections                             | NN  | 152.6 (69.2, 265.9)        | 0.064353 (0.0291866, 0.1121639)  | 0.13757 (0.10002, 0.18032) | 81.8 (35.9, 154.2)         | 0.0358583 (0.0157306, 0.0675475) | 0.11855 (0.03841, 0.15718) |
| Sulawesi Tengah | Malaria                                                  | NN  | 0.8 (0.1, 3.4)             | 0.0003501 (0.0000331, 0.0014525) | 0.00075 (0.00008, 0.00281) | 0.4 (0.0, 1.8)             | 0.0001888 (0.0000197, 0.0007789) | 0.00063 (0.00007, 0.00228) |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 321.1 (154.4, 544.2)       | 0.1354382 (0.0651119, 0.2295656) | 0.28959 (0.22546, 0.35441) | 189.4 (91.7, 337.3)        | 0.0829777 (0.0401932, 0.1477858) | 0.27444 (0.20968, 0.34203) |
| Sulawesi Tengah | Preterm birth complications                              | NN  | 202.3 (86.4, 377.2)        | 0.0853212 (0.0364391, 0.1591205) | 0.18237 (0.11790, 0.25851) | 158.5 (70.2, 295.7)        | 0.0694605 (0.0307653, 0.1295744) | 0.22985 (0.15262, 0.31327) |
| Sulawesi Tengah | Other neonatal disorders                                 | NN  | 222.0 (88.8, 409.9)        | 0.0936418 (0.0374759, 0.1729068) | 0.20054 (0.10653, 0.28879) | 126.7 (48.7, 250.7)        | 0.0555017 (0.0213362, 0.1098661) | 0.18358 (0.10020, 0.27486) |
| Sulawesi Tengah | Other communicable diseases                              | NN  | 13.8 (4.9, 28.8)           | 0.0058094 (0.0020550, 0.0121491) | 0.01245 (0.00640, 0.02139) | 6.7 (2.2, 14.6)            | 0.0029152 (0.0009846, 0.0064168) | 0.00967 (0.00464, 0.01692) |
| Sulawesi Tengah | Other malignant neoplasms                                | NN  | 7.6 (2.5, 16.4)            | 0.0031865 (0.0010419, 0.0069230) | 0.00684 (0.00319, 0.01258) | 5.3 (1.7, 11.6)            | 0.0023054 (0.0007447, 0.0050688) | 0.00767 (0.00348, 0.01408) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                |                                  |                            | Females              |                                  |                            |
|-----------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                 |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Cerebrovascular disease                                  | NN  | 1.6 (0.4, 4.2)       | 0.0006581 (0.0001591, 0.0017523) | 0.00142 (0.00045, 0.00330) | 1.4 (0.3, 3.9)       | 0.0006156 (0.0001417, 0.0016993) | 0.00201 (0.00066, 0.00463) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | NN  | 1.6 (0.3, 4.6)       | 0.0006666 (0.0001330, 0.0019319) | 0.00143 (0.00037, 0.00356) | 1.4 (0.3, 4.0)       | 0.0006048 (0.0001191, 0.0017570) | 0.002 (0.00051, 0.00508)   |
| Sulawesi Tengah | Diabetes mellitus                                        | NN  | 0.5 (0.0, 4.8)       | 0.0002263 (0.0000010, 0.0020050) | 0.00048 (0.00000, 0.00411) | 0.6 (0.0, 5.0)       | 0.0002585 (0.0000015, 0.0021972) | 0.00086 (0.00001, 0.00690) |
| Sulawesi Tengah | Other non-communicable diseases                          | NN  | 121.9 (58.1, 207.3)  | 0.0514122 (0.0245107, 0.0874609) | 0.11001 (0.08483, 0.13588) | 95.7 (46.0, 171.9)   | 0.0419429 (0.0201631, 0.0753388) | 0.1387 (0.10950, 0.16833)  |
| Sulawesi Tengah | Drowning                                                 | NN  | 9.9 (2.7, 24.4)      | 0.0041756 (0.0011446, 0.0103127) | 0.0089 (0.00313, 0.01898)  | 1.8 (0.4, 4.9)       | 0.0007806 (0.0001964, 0.0021553) | 0.00259 (0.00080, 0.00573) |
| Sulawesi Tengah | Falls                                                    | NN  | 3.7 (1.0, 9.6)       | 0.0015741 (0.0004159, 0.0040565) | 0.00338 (0.00118, 0.00737) | 0.9 (0.2, 2.5)       | 0.0004116 (0.0000978, 0.0010972) | 0.00138 (0.00044, 0.00333) |
| Sulawesi Tengah | Interpersonal violence                                   | NN  | 3.8 (1.0, 10.4)      | 0.0016193 (0.0004181, 0.0043825) | 0.00347 (0.00121, 0.00795) | 1.8 (0.4, 4.6)       | 0.0007728 (0.0001944, 0.0020288) | 0.00256 (0.00086, 0.00558) |
| Sulawesi Tengah | Transport injuries                                       | NN  | 7.3 (2.0, 17.6)      | 0.003068 (0.0008639, 0.0074255)  | 0.00654 (0.00259, 0.01393) | 1.4 (0.4, 3.6)       | 0.0006041 (0.0001655, 0.0015653) | 0.002 (0.00075, 0.00441)   |
| Sulawesi Tengah | Other unintentional injuries                             | NN  | 23.2 (7.8, 51.1)     | 0.0097992 (0.0032738, 0.0215539) | 0.02094 (0.01058, 0.03717) | 6.0 (2.0, 13.8)      | 0.0026074 (0.0008860, 0.0060513) | 0.00861 (0.00417, 0.01590) |
| Sulawesi Tengah | Diarrheal diseases                                       | PNN | 221.0 (97.2, 399.8)  | 0.0074704 (0.0032849, 0.0135126) | 0.24294 (0.16068, 0.32167) | 242.3 (108.6, 432.8) | 0.008505 (0.0038120, 0.0151956)  | 0.29806 (0.20767, 0.38479) |
| Sulawesi Tengah | HIV/AIDS                                                 | PNN | 7.9 (1.6, 23.1)      | 0.000267 (0.0000536, 0.0007807)  | 0.00873 (0.00207, 0.02289) | 6.5 (1.2, 19.2)      | 0.0002266 (0.0000437, 0.0006746) | 0.00799 (0.00191, 0.02180) |
| Sulawesi Tengah | Lower respiratory infections                             | PNN | 198.4 (95.5, 344.1)  | 0.0067062 (0.0032266, 0.0116307) | 0.21796 (0.16828, 0.27250) | 158.7 (73.8, 293.6)  | 0.0055702 (0.0025902, 0.0103059) | 0.19531 (0.14658, 0.25118) |
| Sulawesi Tengah | Malaria                                                  | PNN | 12.1 (1.3, 43.4)     | 0.0004086 (0.0000432, 0.0014664) | 0.01332 (0.00167, 0.04888) | 9.8 (1.1, 33.6)      | 0.0003453 (0.0000392, 0.0011807) | 0.01227 (0.00153, 0.04152) |
| Sulawesi Tengah | Tuberculosis                                             | PNN | 18.4 (6.7, 40.1)     | 0.0006223 (0.0002257, 0.0013568) | 0.02038 (0.00922, 0.03921) | 16.0 (5.6, 35.3)     | 0.0005614 (0.0001949, 0.0012387) | 0.01982 (0.00881, 0.03767) |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 13.5 (3.4, 36.5)     | 0.0004556 (0.0001149, 0.0012348) | 0.01458 (0.00518, 0.03339) | 11.0 (3.1, 31.5)     | 0.0003876 (0.0001071, 0.0011048) | 0.01351 (0.00494, 0.03058) |
| Sulawesi Tengah | Preterm birth complications                              | PNN | 18.6 (6.0, 41.9)     | 0.0006299 (0.0002028, 0.0014145) | 0.02048 (0.00888, 0.04145) | 23.3 (7.5, 56.9)     | 0.0008179 (0.0002617, 0.0019988) | 0.02862 (0.01240, 0.05637) |
| Sulawesi Tengah | Other neonatal disorders                                 | PNN | 37.3 (8.7, 96.8)     | 0.0012598 (0.0002943, 0.0032701) | 0.0408 (0.01222, 0.09071)  | 30.5 (6.7, 82.1)     | 0.0010707 (0.0002358, 0.0028834) | 0.03746 (0.01045, 0.08769) |
| Sulawesi Tengah | Other communicable diseases                              | PNN | 228.8 (106.6, 401.0) | 0.007733 (0.0035678, 0.0135512)  | 0.25158 (0.17179, 0.33181) | 174.5 (75.6, 327.3)  | 0.0061273 (0.0026551, 0.0114914) | 0.2151 (0.13781, 0.29940)  |
| Sulawesi Tengah | Other malignant neoplasms                                | PNN | 5.9 (2.1, 12.7)      | 0.0001985 (0.0000703, 0.0004308) | 0.00646 (0.00304, 0.01174) | 5.9 (2.0, 13.1)      | 0.0002078 (0.0000706, 0.0004593) | 0.00732 (0.00338, 0.01336) |
| Sulawesi Tengah | Cerebrovascular disease                                  | PNN | 1.2 (0.3, 3.3)       | 0.0000411 (0.0000105, 0.0001120) | 0.00134 (0.00042, 0.00319) | 1.6 (0.4, 4.1)       | 0.0000554 (0.0000139, 0.0001441) | 0.00193 (0.00062, 0.00448) |
| Sulawesi Tengah | Ischemic heart disease                                   | PNN | 0.6 (0.0, 2.8)       | 0.0000207 (0.0000013, 0.0000949) | 0.00066 (0.00005, 0.00299) | 0.8 (0.0, 3.5)       | 0.0000272 (0.0000017, 0.0001221) | 0.00096 (0.00007, 0.00422) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | PNN | 1.2 (0.3, 3.3)       | 0.000041 (0.0000089, 0.0001118)  | 0.00134 (0.00035, 0.00335) | 1.5 (0.3, 4.5)       | 0.0000543 (0.0000114, 0.0001570) | 0.0019 (0.00048, 0.00481)  |
| Sulawesi Tengah | Diabetes mellitus                                        | PNN | 0.4 (0.0, 3.7)       | 0.0000137 (0.0000001, 0.0001247) | 0.00045 (0.00000, 0.00389) | 0.7 (0.0, 5.7)       | 0.0000239 (0.0000001, 0.0001986) | 0.00082 (0.00000, 0.00664) |
| Sulawesi Tengah | Chronic kidney disease                                   | PNN | 6.6 (2.3, 14.4)      | 0.0002216 (0.0000784, 0.0004851) | 0.00723 (0.00346, 0.01419) | 6.6 (2.4, 15.2)      | 0.000231 (0.0000845, 0.0005320)  | 0.00815 (0.00384, 0.01553) |
| Sulawesi Tengah | Other non-communicable diseases                          | PNN | 93.9 (44.8, 162.4)   | 0.0031719 (0.0015135, 0.0054872) | 0.10333 (0.07976, 0.12863) | 106.5 (50.4, 190.2)  | 0.0037402 (0.0017689, 0.0066758) | 0.13146 (0.10227, 0.15892) |
| Sulawesi Tengah | Drowning                                                 | PNN | 9.4 (2.6, 22.3)      | 0.0003171 (0.0000893, 0.0007532) | 0.01034 (0.00374, 0.02148) | 2.5 (0.6, 6.3)       | 0.0000866 (0.0000224, 0.0002199) | 0.00305 (0.00097, 0.00660) |
| Sulawesi Tengah | Falls                                                    | PNN | 3.4 (0.9, 8.5)       | 0.0001156 (0.0000306, 0.0002869) | 0.00377 (0.00137, 0.00813) | 1.3 (0.3, 3.2)       | 0.000044 (0.0000110, 0.0001138)  | 0.00155 (0.00053, 0.00365) |
| Sulawesi Tengah | Interpersonal violence                                   | PNN | 3.4 (0.9, 8.8)       | 0.0001157 (0.0000313, 0.0002984) | 0.00379 (0.00137, 0.00845) | 2.3 (0.6, 5.5)       | 0.0000804 (0.0000208, 0.0001940) | 0.00283 (0.00098, 0.00608) |
| Sulawesi Tengah | Transport injuries                                       | PNN | 6.8 (2.0, 15.7)      | 0.0002304 (0.0000672, 0.0005291) | 0.00751 (0.00302, 0.01577) | 1.9 (0.6, 4.9)       | 0.0000662 (0.0000197, 0.0001732) | 0.00232 (0.00088, 0.00499) |
| Sulawesi Tengah | Other unintentional injuries                             | PNN | 20.9 (7.8, 43.2)     | 0.0007053 (0.0002637, 0.0014584) | 0.023 (0.01157, 0.03987)   | 7.8 (2.8, 16.8)      | 0.000273 (0.0000975, 0.0005893)  | 0.00957 (0.00483, 0.01709) |
| Sulawesi Tengah | Diarrheal diseases                                       | 1   | 52.6 (18.5, 116.8)   | 0.0003912 (0.0001373, 0.0008690) | 0.13536 (0.08470, 0.19877) | 66.3 (26.6, 144.7)   | 0.0005326 (0.0002141, 0.0011624) | 0.1802 (0.11907, 0.24971)  |
| Sulawesi Tengah | HIV/AIDS                                                 | 1   | 4.1 (0.7, 13.2)      | 0.0000303 (0.0000056, 0.0000980) | 0.01041 (0.00257, 0.02667) | 3.9 (0.7, 12.3)      | 0.0000311 (0.0000056, 0.0000989) | 0.01047 (0.00247, 0.02760) |
| Sulawesi Tengah | Lower respiratory infections                             | 1   | 99.8 (38.2, 221.4)   | 0.0007421 (0.0002842, 0.0016471) | 0.25623 (0.19895, 0.31379) | 93.4 (39.3, 197.3)   | 0.0007505 (0.0003161, 0.0015856) | 0.2535 (0.19230, 0.31527)  |
| Sulawesi Tengah | Malaria                                                  | 1   | 2.3 (0.2, 11.1)      | 0.0000174 (0.0000015, 0.0000823) | 0.00601 (0.00074, 0.02211) | 2.2 (0.2, 8.9)       | 0.0000177 (0.0000018, 0.0000714) | 0.00602 (0.00075, 0.02108) |
| Sulawesi Tengah | Tuberculosis                                             | 1   | 10.1 (2.9, 24.9)     | 0.0000749 (0.0000215, 0.0001851) | 0.02573 (0.01235, 0.04873) | 10.2 (3.2, 24.4)     | 0.0000821 (0.0000254, 0.0001959) | 0.02762 (0.01259, 0.05098) |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 3.6 (0.8, 10.0)      | 0.0000269 (0.0000061, 0.0000743) | 0.00926 (0.00311, 0.02131) | 3.3 (0.8, 9.0)       | 0.0000262 (0.0000061, 0.0000723) | 0.00883 (0.00292, 0.02018) |
| Sulawesi Tengah | Preterm birth complications                              | 1   | 1.0 (0.1, 3.7)       | 0.0000073 (0.0000009, 0.0000273) | 0.00252 (0.00049, 0.00780) | 1.4 (0.2, 5.0)       | 0.0000109 (0.0000015, 0.0000400) | 0.00364 (0.00068, 0.01122) |
| Sulawesi Tengah | Other neonatal disorders                                 | 1   | 1.5 (0.0, 10.2)      | 0.000011 (0.0000001, 0.0000755)  | 0.00383 (0.00004, 0.02589) | 1.3 (0.0, 8.1)       | 0.0000101 (0.0000001, 0.0000650) | 0.00357 (0.00000, 0.02457) |
| Sulawesi Tengah | Other communicable diseases                              | 1   | 116.9 (43.7, 256.1)  | 0.0008698 (0.0003249, 0.0019047) | 0.29971 (0.22752, 0.37534) | 105.1 (42.2, 217.1)  | 0.0008442 (0.0003391, 0.0017446) | 0.28493 (0.20752, 0.36280) |
| Sulawesi Tengah | Other malignant neoplasms                                | 1   | 1.9 (0.6, 4.6)       | 0.0000145 (0.0000043, 0.0000345) | 0.00502 (0.00222, 0.00935) | 2.5 (0.8, 6.2)       | 0.0000204 (0.0000062, 0.0000497) | 0.00694 (0.00313, 0.01280) |
| Sulawesi Tengah | Cerebrovascular disease                                  | 1   | 0.4 (0.1, 1.3)       | 0.0000033 (0.0000007, 0.0000095) | 0.00114 (0.00035, 0.00268) | 0.7 (0.2, 2.0)       | 0.0000059 (0.0000014, 0.0000162) | 0.00199 (0.00064, 0.00451) |
| Sulawesi Tengah | Ischemic heart disease                                   | 1   | 0.2 (0.0, 1.1)       | 0.0000017 (0.0000001, 0.0000081) | 0.00057 (0.00004, 0.00265) | 0.4 (0.0, 1.9)       | 0.000003 (0.0000002, 0.0000150)  | 0.00101 (0.00007, 0.00442) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | 1   | 0.4 (0.1, 1.3)       | 0.0000031 (0.0000006, 0.0000097) | 0.00107 (0.00025, 0.00294) | 0.7 (0.1, 2.1)       | 0.0000054 (0.0000010, 0.0000169) | 0.00184 (0.00043, 0.00494) |
| Sulawesi Tengah | Diabetes mellitus                                        | 1   | 0.1 (0.0, 1.1)       | 0.0000011 (0.0000000, 0.0000085) | 0.00036 (0.00000, 0.00301) | 0.3 (0.0, 2.7)       | 0.0000025 (0.0000000, 0.0000214) | 0.00078 (0.00000, 0.00640) |
| Sulawesi Tengah | Chronic kidney disease                                   | 1   | 2.1 (0.6, 5.8)       | 0.0000159 (0.0000044, 0.0000431) | 0.00542 (0.00257, 0.01069) | 2.7 (0.9, 6.8)       | 0.000022 (0.0000069, 0.0000546)  | 0.00745 (0.00356, 0.01408) |
| Sulawesi Tengah | Cirrhosis                                                | 1   | 3.0 (0.7, 8.1)       | 0.0000223 (0.0000054, 0.0000599) | 0.00771 (0.00263, 0.01633) | 2.2 (0.6, 6.1)       | 0.0000174 (0.0000045, 0.0000489) | 0.00588 (0.00203, 0.01271) |
| Sulawesi Tengah | Chronic respiratory diseases                             | 1   | 8.7 (2.4, 20.8)      | 0.000065 (0.0000180, 0.0001551)  | 0.02254 (0.00993, 0.04113) | 5.2 (1.5, 13.5)      | 0.0000417 (0.0000120, 0.0001082) | 0.01423 (0.00560, 0.02939) |
| Sulawesi Tengah | Other non-communicable diseases                          | 1   | 31.4 (11.8, 69.1)    | 0.0002337 (0.0000876, 0.0005139) | 0.08043 (0.05878, 0.10623) | 46.0 (18.6, 93.3)    | 0.0003693 (0.0001492, 0.0007492) | 0.1247 (0.09438, 0.15625)  |
| Sulawesi Tengah | Drowning                                                 | 1   | 14.3 (3.8, 37.4)     | 0.0001063 (0.0000280, 0.0002783) | 0.03665 (0.01552, 0.06820) | 4.7 (1.1, 11.9)      | 0.0000377 (0.0000092, 0.0000959) | 0.01269 (0.00442, 0.02723) |
| Sulawesi Tengah | Falls                                                    | 1   | 3.7 (0.9, 10.1)      | 0.0000272 (0.0000066, 0.0000748) | 0.00935 (0.00363, 0.01918) | 1.7 (0.4, 4.6)       | 0.0000133 (0.0000030, 0.0000366) | 0.00448 (0.00153, 0.00991) |
| Sulawesi Tengah | Interpersonal violence                                   | 1   | 3.1 (0.7, 8.5)       | 0.0000228 (0.0000054, 0.0000633) | 0.00772 (0.00280, 0.01578) | 2.5 (0.6, 6.8)       | 0.0000203 (0.0000052, 0.0000544) | 0.00672 (0.00232, 0.01363) |
| Sulawesi Tengah | Transport injuries                                       | 1   | 9.3 (2.5, 25.0)      | 0.0000691 (0.0000184, 0.0001860) | 0.02378 (0.01030, 0.04552) | 3.2 (0.9, 8.2)       | 0.0000255 (0.0000071, 0.0000663) | 0.00862 (0.00340, 0.01813) |
| Sulawesi Tengah | Other unintentional injuries                             | 1   | 19.3 (5.9, 44.9)     | 0.0001433 (0.0000441, 0.0003338) | 0.04919 (0.02689, 0.08480) | 8.9 (2.7, 22.6)      | 0.0000714 (0.0000213, 0.0001813) | 0.02389 (0.01219, 0.04362) |
| Sulawesi Tengah | Diarrheal diseases                                       | 5   | 19.9 (11.8, 29.3)    | 0.0001136 (0.0000672, 0.0001677) | 0.1005 (0.06023, 0.14814)  | 19.9 (12.5, 28.4)    | 0.0001217 (0.0000766, 0.0001736) | 0.1444 (0.09164, 0.20510)  |
| Sulawesi Tengah | HIV/AIDS                                                 | 5   | 1.2 (0.2, 3.5)       | 0.0000067 (0.0000012, 0.0000200) | 0.0059 (0.00106, 0.01764)  | 0.9 (0.2, 2.4)       | 0.0000053 (0.0000010, 0.0000150) | 0.00628 (0.00122, 0.01790) |
| Sulawesi Tengah | Lower respiratory infections                             | 5   | 26.7 (18.0, 37.1)    | 0.0001524 (0.0001028, 0.0002118) | 0.13485 (0.09312, 0.18384) | 19.7 (13.3, 27.1)    | 0.000012 (0.0000810, 0.0001656)  | 0.1424 (0.09667, 0.19750)  |
| Sulawesi Tengah | Malaria                                                  | 5   | 0.9 (0.1, 3.0)       | 0.0000051 (0.0000006, 0.0000174) | 0.00448 (0.00054, 0.01584) | 0.7 (0.1, 2.2)       | 0.0000041 (0.0000005, 0.0000137) | 0.00481 (0.00060, 0.01665) |
| Sulawesi Tengah | Tuberculosis                                             | 5   | 3.8 (1.6, 7.3)       | 0.0000218 (0.0000092, 0.0000418) | 0.01923 (0.00826, 0.03623) | 3.0 (1.3, 5.7)       | 0.0000186 (0.0000080, 0.0000351) | 0.02205 (0.00939, 0.04126) |
| Sulawesi Tengah | Other communicable diseases                              | 5   | 43.6 (31.1, 57.3)    | 0.0002492 (0.0001779, 0.0003272) | 0.22053 (0.16150, 0.28326) | 31.1 (21.7, 41.7)    | 0.0001902 (0.0001324, 0.0002549) | 0.22565 (0.16089, 0.29602) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                             | Females           |                                   |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|-----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                     | CF (95% UI)                |
| Sulawesi Tengah | Other malignant neoplasms                     | 5   | 6.4 (3.2, 10.9)   | 0.0000364 (0.0000185, 0.0000625) | 0.03219 (0.01661, 0.05384)  | 6.6 (3.4, 10.8)   | 0.0000403 (0.0000209, 0.0000661)  | 0.04782 (0.02498, 0.07718) |
| Sulawesi Tengah | Cerebrovascular disease                       | 5   | 1.0 (0.4, 1.9)    | 0.0000058 (0.0000024, 0.0000110) | 0.00508 (0.00210, 0.00968)  | 1.3 (0.6, 2.3)    | 0.000008 (0.0000035, 0.0000143)   | 0.00944 (0.00406, 0.01706) |
| Sulawesi Tengah | Ischemic heart disease                        | 5   | 0.6 (0.2, 1.3)    | 0.0000032 (0.0000011, 0.0000072) | 0.00284 (0.00100, 0.00611)  | 0.7 (0.3, 1.5)    | 0.0000045 (0.0000017, 0.0000093)  | 0.00532 (0.00198, 0.01105) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 5   | 1.1 (0.3, 2.5)    | 0.0000061 (0.0000020, 0.0000140) | 0.00536 (0.00174, 0.01257)  | 1.3 (0.5, 3.0)    | 0.0000082 (0.0000029, 0.0000183)  | 0.00968 (0.00353, 0.02106) |
| Sulawesi Tengah | Diabetes mellitus                             | 5   | 0.9 (0.3, 2.0)    | 0.0000052 (0.0000018, 0.0000116) | 0.00463 (0.00157, 0.01055)  | 1.5 (0.5, 3.4)    | 0.0000093 (0.0000034, 0.0000206)  | 0.01104 (0.00400, 0.02459) |
| Sulawesi Tengah | Chronic kidney disease                        | 5   | 2.4 (1.1, 4.4)    | 0.0000136 (0.0000064, 0.0000252) | 0.012 (0.00569, 0.02196)    | 2.5 (1.2, 4.3)    | 0.000015 (0.0000073, 0.0000265)   | 0.01776 (0.00872, 0.03109) |
| Sulawesi Tengah | Cirrhosis                                     | 5   | 4.3 (2.0, 7.5)    | 0.0000246 (0.0000113, 0.0000429) | 0.0218 (0.01005, 0.03804)   | 2.5 (1.1, 4.5)    | 0.0000153 (0.0000067, 0.0000274)  | 0.01809 (0.00802, 0.03177) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 5   | 3.9 (1.8, 7.0)    | 0.0000225 (0.0000104, 0.0000399) | 0.01992 (0.00955, 0.03502)  | 1.8 (0.8, 3.4)    | 0.0000112 (0.0000049, 0.0000211)  | 0.01327 (0.00577, 0.02525) |
| Sulawesi Tengah | Other non-communicable diseases               | 5   | 15.3 (10.4, 21.5) | 0.0000872 (0.0000594, 0.0001226) | 0.07714 (0.05322, 0.10765)  | 17.7 (12.4, 23.6) | 0.0001083 (0.0000758, 0.0001442)  | 0.12842 (0.09189, 0.17128) |
| Sulawesi Tengah | Drowning                                      | 5   | 29.9 (16.3, 45.8) | 0.0001709 (0.0000930, 0.0002619) | 0.1512 (0.08369, 0.23002)   | 11.0 (5.2, 19.6)  | 0.0000673 (0.0000320, 0.0001197)  | 0.07976 (0.03863, 0.13980) |
| Sulawesi Tengah | Falls                                         | 5   | 4.0 (1.6, 7.7)    | 0.000023 (0.0000089, 0.0000439)  | 0.02035 (0.00784, 0.03904)  | 1.9 (0.7, 3.8)    | 0.0000115 (0.0000043, 0.0000234)  | 0.01361 (0.00512, 0.02763) |
| Sulawesi Tengah | Interpersonal violence                        | 5   | 1.5 (0.5, 3.3)    | 0.0000086 (0.0000030, 0.0000189) | 0.0076 (0.00265, 0.01663)   | 1.3 (0.5, 2.8)    | 0.0000078 (0.0000028, 0.0000172)  | 0.0092 (0.00330, 0.02012)  |
| Sulawesi Tengah | Transport injuries                            | 5   | 19.5 (10.2, 31.8) | 0.0001112 (0.0000583, 0.0001815) | 0.09843 (0.05273, 0.15967)  | 7.3 (3.4, 12.9)   | 0.0000443 (0.0000206, 0.0000786)  | 0.05261 (0.02464, 0.09345) |
| Sulawesi Tengah | Other unintentional injuries                  | 5   | 11.1 (5.7, 19.7)  | 0.0000633 (0.0000324, 0.0001126) | 0.05598 (0.02918, 0.09886)  | 5.3 (2.7, 9.8)    | 0.0000323 (0.0000166, 0.0000600)  | 0.03838 (0.01918, 0.07223) |
| Sulawesi Tengah | Diarrheal diseases                            | 10  | 8.3 (4.4, 13.8)   | 0.0000556 (0.0000293, 0.0000925) | 0.05337 (0.02800, 0.08930)  | 8.3 (4.4, 13.6)   | 0.0000575 (0.0000304, 0.0000935)  | 0.0774 (0.04224, 0.12372)  |
| Sulawesi Tengah | HIV/AIDS                                      | 10  | 1.0 (0.2, 2.6)    | 0.0000066 (0.0000016, 0.0000172) | 0.00633 (0.00158, 0.01666)  | 0.7 (0.2, 1.9)    | 0.000005 (0.0000013, 0.0000131)   | 0.00679 (0.00170, 0.01746) |
| Sulawesi Tengah | Lower respiratory infections                  | 10  | 15.7 (9.5, 22.8)  | 0.0001052 (0.0000635, 0.0001526) | 0.10102 (0.06254, 0.14698)  | 11.4 (6.9, 16.9)  | 0.0000784 (0.0000475, 0.0001161)  | 0.10563 (0.06444, 0.15255) |
| Sulawesi Tengah | Malaria                                       | 10  | 1.5 (0.2, 4.8)    | 0.0000099 (0.0000014, 0.0000324) | 0.00952 (0.00132, 0.03097)  | 1.1 (0.1, 3.5)    | 0.0000075 (0.0000010, 0.0000238)  | 0.01006 (0.00143, 0.03129) |
| Sulawesi Tengah | Tuberculosis                                  | 10  | 7.6 (3.8, 12.9)   | 0.0000507 (0.0000256, 0.0000861) | 0.04868 (0.02445, 0.08358)  | 5.9 (3.0, 9.9)    | 0.0000408 (0.0000209, 0.0000682)  | 0.05489 (0.02850, 0.09100) |
| Sulawesi Tengah | Maternal disorders                            | 10  |                   |                                  |                             | 0.4 (0.1, 1.1)    | 0.0000029 (0.0000005, 0.0000077)  | 0.00392 (0.00068, 0.01044) |
| Sulawesi Tengah | Other communicable diseases                   | 10  | 27.2 (19.2, 36.5) | 0.000182 (0.0001284, 0.0002442)  | 0.17474 (0.12578, 0.23003)  | 19.1 (13.0, 25.7) | 0.0001318 (0.0000898, 0.0001767)  | 0.17742 (0.12243, 0.23705) |
| Sulawesi Tengah | Other malignant neoplasms                     | 10  | 7.5 (4.3, 11.9)   | 0.0000502 (0.0000287, 0.0000799) | 0.04816 (0.02757, 0.07576)  | 7.9 (4.7, 12.3)   | 0.0000542 (0.0000321, 0.0000845)  | 0.07285 (0.04336, 0.11308) |
| Sulawesi Tengah | Cerebrovascular disease                       | 10  | 1.3 (0.7, 2.3)    | 0.0000089 (0.0000046, 0.0000155) | 0.00849 (0.00455, 0.01457)  | 1.7 (0.9, 2.7)    | 0.0000116 (0.0000062, 0.0000189)  | 0.01563 (0.00829, 0.02583) |
| Sulawesi Tengah | Ischemic heart disease                        | 10  | 1.1 (0.5, 2.0)    | 0.0000074 (0.0000035, 0.0000132) | 0.0071 (0.00345, 0.01262)   | 1.4 (0.7, 2.4)    | 0.0000096 (0.0000049, 0.0000167)  | 0.0129 (0.00656, 0.02213)  |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 10  | 1.3 (0.5, 2.7)    | 0.0000086 (0.0000036, 0.0000182) | 0.00829 (0.00342, 0.01754)  | 1.6 (0.7, 3.3)    | 0.0000111 (0.0000046, 0.0000226)  | 0.01491 (0.00604, 0.03072) |
| Sulawesi Tengah | Diabetes mellitus                             | 10  | 1.0 (0.5, 1.9)    | 0.000007 (0.0000033, 0.0000129)  | 0.00672 (0.00325, 0.01198)  | 1.7 (0.9, 3.1)    | 0.000012 (0.0000060, 0.0000211)   | 0.01612 (0.00821, 0.02838) |
| Sulawesi Tengah | Chronic kidney disease                        | 10  | 2.7 (1.5, 4.4)    | 0.0000179 (0.0000104, 0.0000292) | 0.01722 (0.01007, 0.02777)  | 2.7 (1.6, 4.4)    | 0.0000189 (0.0000112, 0.0000302)  | 0.02549 (0.01529, 0.04040) |
| Sulawesi Tengah | Cirrhosis                                     | 10  | 4.0 (2.2, 6.4)    | 0.0000266 (0.0000145, 0.0000427) | 0.02556 (0.01381, 0.04049)  | 2.3 (1.2, 3.9)    | 0.000016 (0.0000084, 0.0000266)   | 0.02148 (0.01125, 0.03517) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 10  | 6.3 (3.5, 10.0)   | 0.0000424 (0.0000233, 0.0000667) | 0.0407 (0.02245, 0.06288)   | 3.1 (1.5, 5.2)    | 0.00000211 (0.0000106, 0.0000357) | 0.0284 (0.01430, 0.04791)  |
| Sulawesi Tengah | Other non-communicable diseases               | 10  | 14.4 (10.1, 19.8) | 0.0000962 (0.0000678, 0.0001326) | 0.09229 (0.06561, 0.12499)  | 16.4 (11.9, 21.8) | 0.0001127 (0.0000822, 0.0001501)  | 0.15167 (0.11353, 0.19924) |
| Sulawesi Tengah | Drowning                                      | 10  | 13.5 (6.3, 22.6)  | 0.0000906 (0.0000424, 0.0001511) | 0.08699 (0.04177, 0.14554)  | 4.5 (1.8, 8.6)    | 0.0000313 (0.0000123, 0.0000596)  | 0.0422 (0.01673, 0.07936)  |
| Sulawesi Tengah | Falls                                         | 10  | 3.0 (1.2, 6.1)    | 0.0000202 (0.0000078, 0.0000410) | 0.01941 (0.00752, 0.03982)  | 1.3 (0.5, 2.8)    | 0.0000091 (0.0000035, 0.0000194)  | 0.0123 (0.00471, 0.02621)  |
| Sulawesi Tengah | Interpersonal violence                        | 10  | 2.0 (1.0, 3.8)    | 0.0000134 (0.0000064, 0.0000254) | 0.01281 (0.00614, 0.02410)  | 1.5 (0.7, 2.8)    | 0.0000106 (0.0000048, 0.0000193)  | 0.01432 (0.00653, 0.02623) |
| Sulawesi Tengah | Self-harm                                     | 10  | 2.2 (0.9, 4.6)    | 0.000015 (0.0000060, 0.0000306)  | 0.01444 (0.00564, 0.02982)  | 1.5 (0.6, 3.1)    | 0.0000103 (0.0000039, 0.0000215)  | 0.01391 (0.00523, 0.02847) |
| Sulawesi Tengah | Transport injuries                            | 10  | 24.6 (15.9, 34.9) | 0.0001648 (0.0001061, 0.0002336) | 0.15825 (0.10091, 0.22580)  | 9.0 (5.1, 14.2)   | 0.0000019 (0.0000052, 0.0000979)  | 0.0834 (0.04823, 0.13141)  |
| Sulawesi Tengah | Other unintentional injuries                  | 10  | 9.3 (5.3, 15.3)   | 0.0000624 (0.0000355, 0.0001025) | 0.05991 (0.03358, 0.09721)  | 4.1 (2.2, 7.5)    | 0.0000285 (0.0000130, 0.0000516)  | 0.03831 (0.02047, 0.06868) |
| Sulawesi Tengah | Diarrheal diseases                            | 15  | 4.5 (1.9, 8.6)    | 0.0000366 (0.0000151, 0.0000692) | 0.02334 (0.01024, 0.04347)  | 3.7 (1.6, 6.8)    | 0.0000298 (0.0000128, 0.0000552)  | 0.02655 (0.01155, 0.04727) |
| Sulawesi Tengah | HIV/AIDS                                      | 15  | 1.0 (0.2, 2.7)    | 0.0000082 (0.0000019, 0.0000220) | 0.00525 (0.00118, 0.01390)  | 0.6 (0.1, 1.7)    | 0.0000052 (0.0000011, 0.0000138)  | 0.00461 (0.00098, 0.01235) |
| Sulawesi Tengah | Lower respiratory infections                  | 15  | 9.1 (4.7, 15.9)   | 0.0000737 (0.0000375, 0.0001281) | 0.04696 (0.02487, 0.07776)  | 4.9 (2.4, 8.7)    | 0.00004 (0.0000197, 0.0000710)    | 0.03576 (0.01770, 0.06292) |
| Sulawesi Tengah | Malaria                                       | 15  | 3.2 (0.5, 8.9)    | 0.0000257 (0.0000043, 0.0000718) | 0.01642 (0.00291, 0.04525)  | 2.0 (0.3, 5.2)    | 0.0000164 (0.0000028, 0.0000423)  | 0.0146 (0.00255, 0.03884)  |
| Sulawesi Tengah | Tuberculosis                                  | 15  | 14.8 (8.5, 22.8)  | 0.000119 (0.0000688, 0.0001837)  | 0.07596 (0.04566, 0.11049)  | 9.1 (5.6, 13.8)   | 0.0000736 (0.0000456, 0.0001121)  | 0.06571 (0.04105, 0.09915) |
| Sulawesi Tengah | Maternal disorders                            | 15  |                   |                                  |                             | 9.9 (6.0, 15.2)   | 0.0000802 (0.0000483, 0.0001229)  | 0.07156 (0.04251, 0.10919) |
| Sulawesi Tengah | Other communicable diseases                   | 15  | 18.4 (11.3, 28.0) | 0.0001487 (0.0000910, 0.0002255) | 0.0949 (0.05962, 0.13737)   | 10.0 (5.9, 15.6)  | 0.0000815 (0.0000476, 0.0001262)  | 0.07276 (0.04185, 0.11106) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 15  | 0.8 (0.2, 2.0)    | 0.0000063 (0.0000015, 0.0000161) | 0.00404 (0.00093, 0.01068)  | 0.3 (0.1, 0.9)    | 0.0000028 (0.0000006, 0.0000074)  | 0.00248 (0.00053, 0.00647) |
| Sulawesi Tengah | Breast cancer                                 | 15  | - (0.0, 0.2)      | 0.0000004 (0.0000000, 0.0000017) | 0.00025 (0.000002, 0.00107) | 1.4 (0.4, 3.7)    | 0.0000116 (0.0000031, 0.0000300)  | 0.01036 (0.00278, 0.02693) |
| Sulawesi Tengah | Cervical cancer                               | 15  |                   |                                  |                             | 1.2 (0.3, 3.5)    | 0.0000101 (0.0000020, 0.0000288)  | 0.00898 (0.00184, 0.02536) |
| Sulawesi Tengah | Other malignant neoplasms                     | 15  | 8.3 (4.6, 13.1)   | 0.0000669 (0.0000370, 0.0001059) | 0.04272 (0.02444, 0.06572)  | 9.8 (5.4, 15.7)   | 0.0000797 (0.0000436, 0.0001272)  | 0.0711 (0.03999, 0.10961)  |
| Sulawesi Tengah | Cerebrovascular disease                       | 15  | 2.3 (1.3, 4.0)    | 0.0000189 (0.0000102, 0.0000319) | 0.01204 (0.00670, 0.01953)  | 2.8 (1.6, 4.7)    | 0.000023 (0.0000127, 0.0000379)   | 0.02056 (0.01161, 0.03356) |
| Sulawesi Tengah | Ischemic heart disease                        | 15  | 3.2 (1.8, 5.3)    | 0.0000262 (0.0000143, 0.0000429) | 0.01673 (0.00953, 0.02680)  | 3.5 (1.9, 5.7)    | 0.0000282 (0.0000153, 0.0000462)  | 0.02513 (0.01406, 0.04108) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 15  | 1.9 (0.8, 3.9)    | 0.0000155 (0.0000065, 0.0000317) | 0.00987 (0.00412, 0.02028)  | 2.6 (1.0, 5.4)    | 0.0000208 (0.0000080, 0.0000440)  | 0.01856 (0.00726, 0.03930) |
| Sulawesi Tengah | Diabetes mellitus                             | 15  | 1.5 (0.8, 2.7)    | 0.0000124 (0.0000062, 0.0000220) | 0.00791 (0.00406, 0.01425)  | 2.8 (1.4, 4.9)    | 0.0000227 (0.0000117, 0.0000401)  | 0.0203 (0.01048, 0.03571)  |
| Sulawesi Tengah | Chronic kidney disease                        | 15  | 3.6 (2.1, 5.9)    | 0.000029 (0.0000165, 0.0000473)  | 0.01852 (0.01081, 0.02833)  | 4.1 (2.3, 6.5)    | 0.0000335 (0.0000190, 0.0000527)  | 0.0299 (0.01751, 0.04660)  |
| Sulawesi Tengah | Cirrhosis                                     | 15  | 4.6 (2.5, 7.6)    | 0.0000369 (0.0000203, 0.0000613) | 0.02357 (0.01336, 0.03807)  | 2.8 (1.5, 5.0)    | 0.0000229 (0.0000123, 0.0000405)  | 0.02045 (0.01109, 0.03508) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 15  | 6.1 (3.3, 9.8)    | 0.0000489 (0.0000265, 0.0000793) | 0.03123 (0.01725, 0.04963)  | 3.8 (1.9, 6.4)    | 0.0000309 (0.0000152, 0.0000519)  | 0.02755 (0.01405, 0.04654) |
| Sulawesi Tengah | Other non-communicable diseases               | 15  | 16.4 (11.4, 22.5) | 0.0001319 (0.0000921, 0.0001812) | 0.08418 (0.06254, 0.11071)  | 18.7 (13.8, 25.2) | 0.0001514 (0.0001119, 0.0002046)  | 0.13511 (0.10203, 0.17658) |
| Sulawesi Tengah | Drowning                                      | 15  | 7.2 (2.9, 13.8)   | 0.0000584 (0.0000231, 0.0001110) | 0.03727 (0.01488, 0.06947)  | 2.2 (0.8, 4.9)    | 0.0000181 (0.0000063, 0.0000400)  | 0.01617 (0.00567, 0.03489) |
| Sulawesi Tengah | Falls                                         | 15  | 2.7 (1.2, 5.2)    | 0.0000215 (0.0000093, 0.0000422) | 0.01373 (0.00577, 0.02060)  | 1.2 (0.5, 2.4)    | 0.0000095 (0.0000037, 0.0000199)  | 0.00852 (0.00344, 0.01821) |
| Sulawesi Tengah | Interpersonal violence                        | 15  | 4.2 (2.3, 7.0)    | 0.0000337 (0.0000183, 0.0000568) | 0.0215 (0.01203, 0.03646)   | 3.7 (1.7, 6.9)    | 0.0000302 (0.0000141, 0.0000556)  | 0.02692 (0.01257, 0.04859) |
| Sulawesi Tengah | Self-harm                                     | 15  | 4.0 (1.9, 7.5)    | 0.0000324 (0.0000153, 0.0000602) | 0.02066 (0.01000, 0.03802)  | 3.2 (1.4, 6.2)    | 0.0000256 (0.0000110, 0.0000500)  | 0.02283 (0.01012, 0.04417) |
| Sulawesi Tengah | Transport injuries                            | 15  | 63.5 (48.3, 80.6) | 0.0005124 (0.0003897, 0.0006502) | 0.32732 (0.25520, 0.39138)  | 27.6 (18.9, 37.4) | 0.0002236 (0.0001531, 0.0003039)  | 0.19954 (0.13932, 0.26768) |
| Sulawesi Tengah | Other unintentional injuries                  | 15  | 12.8 (7.7, 20.5)  | 0.0001028 (0.0000625, 0.0001649) | 0.06565 (0.04029, 0.10278)  | 6.1 (3.2, 10.7)   | 0.0000493 (0.0000259, 0.0000866)  | 0.04401 (0.02404, 0.07584) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Diarrheal diseases                            | 20  | 5.1 (2.1, 10.1)   | 0.0000435 (0.0000181, 0.0000867) | 0.02063 (0.00928, 0.03863) | 3.2 (1.5, 6.0)    | 0.0000277 (0.0000126, 0.0000519) | 0.01955 (0.00880, 0.03568) |
| Sulawesi Tengah | HIV/AIDS                                      | 20  | 4.0 (1.1, 10.5)   | 0.0000343 (0.0000095, 0.0000896) | 0.01628 (0.00464, 0.03972) | 1.9 (0.5, 4.5)    | 0.0000162 (0.0000045, 0.0000394) | 0.01142 (0.00333, 0.02775) |
| Sulawesi Tengah | Lower respiratory infections                  | 20  | 10.5 (5.1, 18.5)  | 0.0000895 (0.0000437, 0.0001584) | 0.04246 (0.02204, 0.07402) | 3.9 (1.8, 7.4)    | 0.0000341 (0.0000160, 0.0000638) | 0.02409 (0.01147, 0.04460) |
| Sulawesi Tengah | Malaria                                       | 20  | 4.4 (0.7, 12.5)   | 0.0000373 (0.0000064, 0.0001071) | 0.01771 (0.00334, 0.04776) | 2.1 (0.4, 5.6)    | 0.0000182 (0.0000034, 0.0000487) | 0.01282 (0.00242, 0.03352) |
| Sulawesi Tengah | Tuberculosis                                  | 20  | 33.1 (21.0, 48.6) | 0.0002838 (0.0001802, 0.0004162) | 0.13479 (0.09092, 0.18479) | 13.6 (8.6, 20.3)  | 0.0001176 (0.0000749, 0.0001755) | 0.08298 (0.05497, 0.11986) |
| Sulawesi Tengah | Maternal disorders                            | 20  |                   |                                  |                            | 22.1 (15.0, 30.5) | 0.0001915 (0.0001301, 0.0002646) | 0.13504 (0.09723, 0.17993) |
| Sulawesi Tengah | Other communicable diseases                   | 20  | 26.8 (16.6, 41.4) | 0.0002299 (0.0001420, 0.0003542) | 0.10907 (0.07097, 0.15379) | 11.4 (6.7, 17.1)  | 0.0000999 (0.0000581, 0.0001478) | 0.06984 (0.04244, 0.10218) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 20  | 0.8 (0.2, 2.0)    | 0.0000065 (0.0000017, 0.0000174) | 0.00307 (0.00078, 0.00802) | 0.5 (0.1, 1.3)    | 0.0000048 (0.0000012, 0.0000116) | 0.00336 (0.00082, 0.00827) |
| Sulawesi Tengah | Breast cancer                                 | 20  | 0.1 (0.0, 0.3)    | 0.0000007 (0.0000001, 0.0000028) | 0.00034 (0.00006, 0.00129) | 4.1 (1.6, 8.5)    | 0.0000357 (0.0000138, 0.0000732) | 0.02514 (0.00997, 0.05004) |
| Sulawesi Tengah | Cervical cancer                               | 20  |                   |                                  |                            | 2.9 (0.8, 6.9)    | 0.0000252 (0.0000065, 0.0000595) | 0.01775 (0.00471, 0.04132) |
| Sulawesi Tengah | Other malignant neoplasms                     | 20  | 8.6 (4.8, 14.8)   | 0.0000739 (0.0000408, 0.0001271) | 0.03506 (0.02068, 0.05634) | 10.6 (5.5, 17.3)  | 0.0000915 (0.0000475, 0.0001496) | 0.06458 (0.03310, 0.10367) |
| Sulawesi Tengah | Cerebrovascular disease                       | 20  | 4.8 (2.9, 7.7)    | 0.0000412 (0.0000252, 0.0000662) | 0.01956 (0.01233, 0.02921) | 4.8 (3.0, 7.4)    | 0.0000414 (0.0000256, 0.0000644) | 0.02922 (0.01846, 0.04380) |
| Sulawesi Tengah | Ischemic heart disease                        | 20  | 6.2 (3.5, 10.0)   | 0.0000532 (0.0000301, 0.0000860) | 0.02529 (0.01480, 0.03987) | 4.4 (2.5, 6.9)    | 0.000038 (0.0000213, 0.0000595)  | 0.02682 (0.01507, 0.04271) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 20  | 3.2 (1.5, 5.8)    | 0.0000271 (0.0000127, 0.0000495) | 0.01287 (0.00611, 0.02365) | 3.9 (1.9, 6.9)    | 0.0000335 (0.0000169, 0.0000599) | 0.02361 (0.01182, 0.04191) |
| Sulawesi Tengah | Diabetes mellitus                             | 20  | 1.6 (0.8, 2.7)    | 0.0000134 (0.0000071, 0.0000229) | 0.00636 (0.00350, 0.01037) | 2.7 (1.5, 4.5)    | 0.0000223 (0.0000128, 0.0000387) | 0.01623 (0.00902, 0.02624) |
| Sulawesi Tengah | Chronic kidney disease                        | 20  | 5.8 (3.4, 9.1)    | 0.00005 (0.0000290, 0.0000778)   | 0.02375 (0.01485, 0.03519) | 6.2 (3.9, 9.1)    | 0.0000535 (0.0000335, 0.0000785) | 0.03778 (0.02420, 0.05525) |
| Sulawesi Tengah | Cirrhosis                                     | 20  | 7.9 (4.5, 12.7)   | 0.0000674 (0.0000381, 0.0001089) | 0.03202 (0.01856, 0.04832) | 4.6 (2.4, 7.6)    | 0.0000396 (0.0000210, 0.0000656) | 0.02794 (0.01524, 0.04519) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 20  | 13.7 (8.4, 20.9)  | 0.0001171 (0.0000716, 0.0001792) | 0.0557 (0.03314, 0.08107)  | 9.8 (5.8, 14.8)   | 0.0000852 (0.0000500, 0.0001278) | 0.06017 (0.03602, 0.08757) |
| Sulawesi Tengah | Other non-communicable diseases               | 20  | 17.0 (11.6, 24.1) | 0.0001459 (0.0000990, 0.0002065) | 0.06923 (0.04911, 0.09266) | 16.9 (11.9, 23.0) | 0.0001467 (0.0001034, 0.0001993) | 0.10356 (0.07448, 0.13690) |
| Sulawesi Tengah | Drowning                                      | 20  | 6.2 (2.2, 12.9)   | 0.0000529 (0.0000189, 0.0001106) | 0.02514 (0.00915, 0.05035) | 1.6 (0.5, 3.6)    | 0.0000135 (0.0000043, 0.0000313) | 0.00951 (0.00318, 0.02184) |
| Sulawesi Tengah | Falls                                         | 20  | 3.0 (1.3, 5.7)    | 0.0000255 (0.0000113, 0.0000486) | 0.01216 (0.00527, 0.02238) | 1.1 (0.4, 2.1)    | 0.0000093 (0.0000037, 0.0000186) | 0.00657 (0.00266, 0.01312) |
| Sulawesi Tengah | Interpersonal violence                        | 20  | 5.3 (2.8, 8.9)    | 0.0000445 (0.0000244, 0.0000762) | 0.02137 (0.01210, 0.03612) | 3.7 (1.8, 6.8)    | 0.0000321 (0.0000154, 0.0000588) | 0.02262 (0.01085, 0.03963) |
| Sulawesi Tengah | Self-harm                                     | 20  | 4.3 (2.0, 7.8)    | 0.0000365 (0.0000172, 0.0000668) | 0.01735 (0.00835, 0.03127) | 2.6 (1.1, 5.3)    | 0.0000229 (0.0000098, 0.0000462) | 0.01617 (0.00713, 0.03087) |
| Sulawesi Tengah | Transport injuries                            | 20  | 58.2 (40.2, 79.9) | 0.0004984 (0.0003444, 0.0006838) | 0.23685 (0.17037, 0.29894) | 19.1 (11.8, 28.4) | 0.0001658 (0.0001024, 0.0002464) | 0.11703 (0.07255, 0.16941) |
| Sulawesi Tengah | Other unintentional injuries                  | 20  | 15.5 (9.2, 24.6)  | 0.0001324 (0.0000788, 0.0002109) | 0.06293 (0.03775, 0.09947) | 5.9 (3.0, 10.5)   | 0.0000513 (0.0000262, 0.0000906) | 0.0362 (0.01949, 0.06385)  |
| Sulawesi Tengah | Diarrheal diseases                            | 25  | 8.4 (4.0, 15.9)   | 0.0000657 (0.0000310, 0.0001239) | 0.02589 (0.01242, 0.04718) | 5.6 (2.6, 10.1)   | 0.0000447 (0.0000211, 0.0000804) | 0.02647 (0.01287, 0.04574) |
| Sulawesi Tengah | HIV/AIDS                                      | 25  | 8.8 (2.6, 20.7)   | 0.0000689 (0.0000199, 0.0001610) | 0.02715 (0.00801, 0.06153) | 4.4 (1.3, 10.2)   | 0.0000347 (0.0000106, 0.0000809) | 0.02057 (0.00659, 0.04711) |
| Sulawesi Tengah | Lower respiratory infections                  | 25  | 13.1 (6.2, 23.8)  | 0.0001018 (0.0000483, 0.0001852) | 0.04012 (0.02038, 0.07172) | 5.1 (2.4, 9.8)    | 0.0000407 (0.0000195, 0.0000781) | 0.02415 (0.01194, 0.04418) |
| Sulawesi Tengah | Malaria                                       | 25  | 5.5 (0.9, 15.9)   | 0.0000429 (0.0000073, 0.0001240) | 0.01689 (0.00298, 0.04580) | 2.7 (0.5, 7.2)    | 0.0000218 (0.0000038, 0.0000575) | 0.01297 (0.00232, 0.03368) |
| Sulawesi Tengah | Tuberculosis                                  | 25  | 54.3 (35.3, 77.9) | 0.0004225 (0.0002751, 0.0006069) | 0.16671 (0.11556, 0.21907) | 22.5 (14.2, 33.6) | 0.0001788 (0.0001133, 0.0002677) | 0.10588 (0.07092, 0.14704) |
| Sulawesi Tengah | Maternal disorders                            | 25  |                   |                                  |                            | 23.3 (15.5, 33.3) | 0.0001856 (0.0001234, 0.0002649) | 0.10997 (0.07823, 0.14909) |
| Sulawesi Tengah | Other communicable diseases                   | 25  | 33.6 (20.2, 51.0) | 0.0002614 (0.0001574, 0.0003972) | 0.1031 (0.06660, 0.14962)  | 15.2 (8.9, 23.7)  | 0.0001209 (0.0000709, 0.0001888) | 0.07162 (0.04446, 0.10638) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 25  | 1.1 (0.3, 2.9)    | 0.0000083 (0.0000022, 0.0000227) | 0.00329 (0.00086, 0.00841) | 0.8 (0.2, 2.0)    | 0.0000067 (0.0000018, 0.0000156) | 0.00398 (0.00110, 0.00946) |
| Sulawesi Tengah | Breast cancer                                 | 25  | 0.1 (0.0, 0.3)    | 0.0000008 (0.0000002, 0.0000027) | 0.00034 (0.00007, 0.00105) | 9.2 (4.0, 17.1)   | 0.0000735 (0.0000320, 0.0001363) | 0.04348 (0.01967, 0.07329) |
| Sulawesi Tengah | Cervical cancer                               | 25  |                   |                                  |                            | 5.4 (1.6, 12.0)   | 0.0000428 (0.0000125, 0.0000951) | 0.02536 (0.00772, 0.05485) |
| Sulawesi Tengah | Other malignant neoplasms                     | 25  | 13.7 (8.0, 22.7)  | 0.0001067 (0.0000620, 0.0001765) | 0.04211 (0.02487, 0.06658) | 12.8 (6.2, 21.5)  | 0.0001017 (0.0000495, 0.0001712) | 0.06029 (0.03053, 0.09719) |
| Sulawesi Tengah | Cerebrovascular disease                       | 25  | 10.7 (7.0, 16.0)  | 0.0000836 (0.0000546, 0.0001249) | 0.03295 (0.02082, 0.04631) | 9.3 (6.2, 14.4)   | 0.0000738 (0.0000496, 0.0001110) | 0.04376 (0.03051, 0.06028) |
| Sulawesi Tengah | Ischemic heart disease                        | 25  | 14.9 (9.3, 22.3)  | 0.000116 (0.0000726, 0.0001740)  | 0.0458 (0.02948, 0.06662)  | 8.5 (5.2, 12.9)   | 0.0000679 (0.0000411, 0.0001026) | 0.04023 (0.02503, 0.05965) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 25  | 5.2 (2.6, 9.4)    | 0.0000405 (0.0000205, 0.0000729) | 0.01598 (0.00839, 0.02788) | 5.7 (2.9, 10.0)   | 0.0000456 (0.0000234, 0.0000799) | 0.027 (0.01440, 0.04648)   |
| Sulawesi Tengah | Diabetes mellitus                             | 25  | 3.2 (1.9, 5.1)    | 0.0000251 (0.0000151, 0.0000399) | 0.00991 (0.00620, 0.01533) | 4.8 (2.9, 7.6)    | 0.0000382 (0.0000233, 0.0000602) | 0.02262 (0.01425, 0.03382) |
| Sulawesi Tengah | Chronic kidney disease                        | 25  | 8.1 (5.1, 12.2)   | 0.0000631 (0.0000396, 0.0000947) | 0.02488 (0.01641, 0.03550) | 7.5 (4.8, 11.0)   | 0.0000596 (0.0000386, 0.0000879) | 0.03536 (0.02387, 0.04996) |
| Sulawesi Tengah | Cirrhosis                                     | 25  | 13.3 (7.8, 20.5)  | 0.0001036 (0.0000609, 0.0001599) | 0.04091 (0.02453, 0.06106) | 6.9 (3.8, 11.2)   | 0.0000549 (0.0000302, 0.0000892) | 0.0325 (0.01843, 0.05017)  |
| Sulawesi Tengah | Chronic respiratory diseases                  | 25  | 20.5 (12.9, 30.4) | 0.0001594 (0.0001007, 0.0002370) | 0.06295 (0.03987, 0.09001) | 13.8 (8.0, 21.0)  | 0.0001097 (0.0000637, 0.0001675) | 0.06506 (0.03957, 0.09566) |
| Sulawesi Tengah | Other non-communicable diseases               | 25  | 24.7 (16.8, 35.0) | 0.000192 (0.0001305, 0.0002725)  | 0.07572 (0.05428, 0.10111) | 21.8 (15.1, 29.9) | 0.0001732 (0.0001203, 0.0002380) | 0.10269 (0.07603, 0.13524) |
| Sulawesi Tengah | Drowning                                      | 25  | 4.6 (1.5, 10.3)   | 0.0000359 (0.0000113, 0.0000802) | 0.0142 (0.00452, 0.03086)  | 1.0 (0.3, 2.4)    | 0.0000079 (0.0000023, 0.0000189) | 0.00471 (0.00149, 0.01083) |
| Sulawesi Tengah | Falls                                         | 25  | 4.8 (2.0, 9.1)    | 0.0000373 (0.0000158, 0.0000712) | 0.01477 (0.00635, 0.02752) | 1.5 (0.6, 2.9)    | 0.0000118 (0.0000048, 0.0000232) | 0.007 (0.00299, 0.01380)   |
| Sulawesi Tengah | Interpersonal violence                        | 25  | 6.0 (3.1, 10.1)   | 0.0000469 (0.0000241, 0.0000790) | 0.01852 (0.00991, 0.03206) | 3.5 (1.6, 6.4)    | 0.000028 (0.0000130, 0.0000506)  | 0.01656 (0.00797, 0.02867) |
| Sulawesi Tengah | Self-harm                                     | 25  | 4.5 (2.1, 8.6)    | 0.0000352 (0.0000160, 0.0000666) | 0.01388 (0.00644, 0.02510) | 2.3 (1.0, 4.9)    | 0.0000183 (0.0000076, 0.0000387) | 0.01084 (0.00468, 0.02120) |
| Sulawesi Tengah | Transport injuries                            | 25  | 45.4 (28.9, 66.7) | 0.0003539 (0.0002250, 0.0005193) | 0.13976 (0.09107, 0.19702) | 11.7 (6.2, 19.3)  | 0.0000931 (0.0000497, 0.0001535) | 0.05519 (0.03170, 0.08740) |
| Sulawesi Tengah | Other unintentional injuries                  | 25  | 20.9 (12.1, 34.4) | 0.0001625 (0.0000946, 0.0002681) | 0.06418 (0.03848, 0.10444) | 6.7 (3.5, 11.8)   | 0.0000535 (0.0000277, 0.0000941) | 0.03173 (0.01768, 0.05560) |
| Sulawesi Tengah | Diarrheal diseases                            | 30  | 9.3 (4.3, 16.8)   | 0.0000748 (0.0000343, 0.0001344) | 0.02608 (0.01277, 0.04345) | 6.3 (3.2, 11.1)   | 0.0000544 (0.0000276, 0.0000952) | 0.02568 (0.01277, 0.04248) |
| Sulawesi Tengah | HIV/AIDS                                      | 30  | 9.3 (2.9, 22.5)   | 0.0000745 (0.0000233, 0.0001799) | 0.02597 (0.00837, 0.06162) | 4.7 (1.5, 10.6)   | 0.0000402 (0.0000132, 0.0000906) | 0.01903 (0.00634, 0.04239) |
| Sulawesi Tengah | Lower respiratory infections                  | 30  | 12.6 (6.0, 22.9)  | 0.0001009 (0.0000477, 0.0001835) | 0.03521 (0.01713, 0.06306) | 5.1 (2.4, 9.8)    | 0.000044 (0.0000206, 0.0000838)  | 0.02079 (0.01027, 0.03710) |
| Sulawesi Tengah | Malaria                                       | 30  | 4.8 (0.8, 13.4)   | 0.0000381 (0.0000067, 0.0001074) | 0.01328 (0.00241, 0.03671) | 2.3 (0.4, 6.1)    | 0.0000195 (0.0000036, 0.0000526) | 0.00922 (0.00176, 0.02486) |
| Sulawesi Tengah | Tuberculosis                                  | 30  | 57.9 (38.2, 82.3) | 0.0004637 (0.0003064, 0.0006594) | 0.16198 (0.11152, 0.21615) | 22.9 (14.2, 34.6) | 0.0001966 (0.0001221, 0.0002968) | 0.09271 (0.06245, 0.13067) |
| Sulawesi Tengah | Maternal disorders                            | 30  |                   |                                  |                            | 24.3 (16.0, 35.4) | 0.0002085 (0.0001367, 0.0003036) | 0.09825 (0.06967, 0.13136) |
| Sulawesi Tengah | Other communicable diseases                   | 30  | 23.4 (13.3, 37.6) | 0.0001874 (0.0001061, 0.0003012) | 0.06543 (0.03925, 0.09671) | 11.0 (6.1, 18.1)  | 0.0000946 (0.0000527, 0.0001552) | 0.04458 (0.02639, 0.06804) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 30  | 2.2 (0.6, 5.5)    | 0.0000174 (0.0000046, 0.0000442) | 0.00609 (0.00163, 0.01544) | 1.0 (0.3, 2.5)    | 0.0000089 (0.0000024, 0.0000211) | 0.00422 (0.00120, 0.01010) |
| Sulawesi Tengah | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)    | 0.0000011 (0.0000002, 0.0000035) | 0.00037 (0.00007, 0.00124) | 15.2 (7.1, 26.8)  | 0.0001299 (0.0000612, 0.0002299) | 0.06121 (0.03041, 0.09883) |
| Sulawesi Tengah | Cervical cancer                               | 30  |                   |                                  |                            | 8.7 (2.8, 18.1)   | 0.0000743 (0.0000243, 0.0001551) | 0.03503 (0.01254, 0.07084) |
| Sulawesi Tengah | Other malignant neoplasms                     | 30  | 18.0 (10.4, 28.5) | 0.0001443 (0.0000837, 0.0002284) | 0.05044 (0.02951, 0.07879) | 13.9 (6.7, 24.1)  | 0.0001187 (0.0000571, 0.0002067) | 0.05604 (0.02775, 0.09243) |
| Sulawesi Tengah | Cerebrovascular disease                       | 30  | 19.4 (13.1, 28.1) | 0.000155 (0.0001053, 0.0002255)  | 0.05409 (0.03931, 0.07207) | 16.5 (11.3, 24.0) | 0.0001413 (0.0000972, 0.0002054) | 0.06668 (0.04879, 0.08913) |



Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Ischemic heart disease                        | 30  | 26.2 (17.4, 38.5) | 0.0002101 (0.0001393, 0.0003083) | 0.07342 (0.05085, 0.10181) | 13.8 (8.5, 20.7)  | 0.0001179 (0.0000732, 0.0001772) | 0.05563 (0.03675, 0.08012) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 30  | 7.1 (3.6, 13.3)   | 0.0000568 (0.0000292, 0.0001067) | 0.01984 (0.01073, 0.03458) | 7.8 (4.0, 13.4)   | 0.0000666 (0.0000341, 0.0001152) | 0.03141 (0.01691, 0.05390) |
| Sulawesi Tengah | Diabetes mellitus                             | 30  | 5.9 (3.8, 9.2)    | 0.0000474 (0.0000304, 0.0000738) | 0.01656 (0.01087, 0.02452) | 8.4 (5.2, 12.8)   | 0.0000723 (0.0000446, 0.0001092) | 0.03413 (0.02239, 0.04913) |
| Sulawesi Tengah | Chronic kidney disease                        | 30  | 9.9 (6.4, 15.0)   | 0.0000791 (0.0000509, 0.0001204) | 0.02764 (0.01891, 0.03939) | 8.7 (5.6, 12.8)   | 0.0000743 (0.0000481, 0.0001095) | 0.03511 (0.02420, 0.04934) |
| Sulawesi Tengah | Cirrhosis                                     | 30  | 19.0 (11.4, 29.1) | 0.0001522 (0.0000912, 0.0002330) | 0.05321 (0.03217, 0.07648) | 9.9 (5.5, 16.0)   | 0.0000848 (0.0000472, 0.0001373) | 0.03996 (0.02334, 0.06003) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 30  | 22.7 (13.9, 33.6) | 0.0001816 (0.0001113, 0.0002690) | 0.06348 (0.04070, 0.09082) | 15.5 (8.8, 23.5)  | 0.0001329 (0.0000758, 0.0002013) | 0.0627 (0.03923, 0.09062)  |
| Sulawesi Tengah | Other non-communicable diseases               | 30  | 28.9 (19.8, 41.1) | 0.0002314 (0.0001584, 0.0003294) | 0.08075 (0.05851, 0.10491) | 25.3 (17.4, 35.8) | 0.0002171 (0.0001487, 0.0003064) | 0.10242 (0.07639, 0.13374) |
| Sulawesi Tengah | Drowning                                      | 30  | 5.2 (1.8, 11.5)   | 0.0000413 (0.0000141, 0.0000921) | 0.01444 (0.00503, 0.03100) | 1.3 (0.4, 3.0)    | 0.0000112 (0.0000034, 0.0000257) | 0.0053 (0.00162, 0.01179)  |
| Sulawesi Tengah | Falls                                         | 30  | 5.8 (2.5, 11.0)   | 0.0000466 (0.0000199, 0.0000879) | 0.01635 (0.00693, 0.03078) | 2.0 (0.8, 3.9)    | 0.0000173 (0.0000071, 0.0000338) | 0.00816 (0.00341, 0.01611) |
| Sulawesi Tengah | Interpersonal violence                        | 30  | 5.1 (2.5, 9.0)    | 0.0000407 (0.0000204, 0.0000721) | 0.01422 (0.00728, 0.02545) | 2.9 (1.4, 5.6)    | 0.0000252 (0.0000117, 0.0000477) | 0.01188 (0.00572, 0.02129) |
| Sulawesi Tengah | Self-harm                                     | 30  | 3.8 (1.7, 7.2)    | 0.0000301 (0.0000134, 0.0000578) | 0.01051 (0.00490, 0.01875) | 1.9 (0.8, 3.9)    | 0.0000159 (0.0000068, 0.0000333) | 0.00748 (0.00337, 0.01460) |
| Sulawesi Tengah | Transport injuries                            | 30  | 40.7 (24.6, 61.3) | 0.0003263 (0.0001972, 0.0004909) | 0.11408 (0.07249, 0.16414) | 11.1 (5.9, 18.6)  | 0.0000952 (0.0000508, 0.0001596) | 0.04493 (0.02495, 0.07153) |
| Sulawesi Tengah | Other unintentional injuries                  | 30  | 20.2 (11.6, 34.0) | 0.0001618 (0.0000930, 0.0002724) | 0.05657 (0.03394, 0.09090) | 6.8 (3.4, 12.6)   | 0.0000582 (0.0000294, 0.0001078) | 0.02745 (0.01527, 0.04801) |
| Sulawesi Tengah | Diarrheal diseases                            | 35  | 8.3 (3.6, 15.3)   | 0.000074 (0.0000317, 0.0001354)  | 0.01984 (0.00905, 0.03490) | 8.2 (3.7, 14.3)   | 0.0000765 (0.0000351, 0.0001343) | 0.02474 (0.01231, 0.04133) |
| Sulawesi Tengah | HIV/AIDS                                      | 35  | 8.2 (2.6, 19.8)   | 0.0000728 (0.0000231, 0.0001754) | 0.01952 (0.00627, 0.04586) | 5.7 (1.7, 13.4)   | 0.0000535 (0.0000157, 0.0001256) | 0.01734 (0.00555, 0.03920) |
| Sulawesi Tengah | Lower respiratory infections                  | 35  | 12.9 (6.0, 24.5)  | 0.0001148 (0.0000529, 0.0002169) | 0.0308 (0.01480, 0.05718)  | 7.8 (3.7, 15.2)   | 0.0000736 (0.0000348, 0.0001425) | 0.02384 (0.01167, 0.04396) |
| Sulawesi Tengah | Malaria                                       | 35  | 4.5 (0.8, 12.9)   | 0.0000396 (0.0000069, 0.0001140) | 0.0106 (0.00194, 0.02969)  | 2.8 (0.5, 7.6)    | 0.0000262 (0.0000044, 0.0000717) | 0.00851 (0.00154, 0.02305) |
| Sulawesi Tengah | Tuberculosis                                  | 35  | 62.0 (41.4, 88.5) | 0.0005495 (0.0003674, 0.0007847) | 0.14763 (0.10402, 0.19451) | 33.3 (20.9, 50.6) | 0.0003125 (0.0001958, 0.0004748) | 0.10104 (0.06634, 0.14126) |
| Sulawesi Tengah | Maternal disorders                            | 35  |                   |                                  |                            | 14.1 (8.3, 22.0)  | 0.0001319 (0.0000783, 0.0002064) | 0.0427 (0.02729, 0.06313)  |
| Sulawesi Tengah | Other communicable diseases                   | 35  | 20.9 (11.5, 33.2) | 0.0001853 (0.0001024, 0.0002943) | 0.04977 (0.02935, 0.07531) | 14.5 (8.0, 23.5)  | 0.0001362 (0.0000748, 0.0002209) | 0.04408 (0.02582, 0.06837) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 35  | 2.1 (0.6, 5.2)    | 0.0000185 (0.0000052, 0.0000462) | 0.00498 (0.00152, 0.01202) | 1.5 (0.4, 3.5)    | 0.0000143 (0.0000041, 0.0000333) | 0.00465 (0.00142, 0.01054) |
| Sulawesi Tengah | Breast cancer                                 | 35  | 0.3 (0.0, 0.9)    | 0.0000024 (0.0000004, 0.0000077) | 0.00065 (0.00012, 0.00198) | 24.1 (11.8, 40.8) | 0.0002258 (0.0001106, 0.0003831) | 0.073 (0.03814, 0.11691)   |
| Sulawesi Tengah | Cervical cancer                               | 35  |                   |                                  |                            | 13.7 (5.0, 27.5)  | 0.0001289 (0.0000465, 0.0002583) | 0.04165 (0.01612, 0.07909) |
| Sulawesi Tengah | Other malignant neoplasms                     | 35  | 29.3 (17.7, 46.5) | 0.0002598 (0.0001567, 0.0004127) | 0.06981 (0.04393, 0.10360) | 16.5 (7.6, 29.5)  | 0.0001546 (0.0000713, 0.0002766) | 0.05006 (0.02495, 0.08545) |
| Sulawesi Tengah | Cerebrovascular disease                       | 35  | 33.5 (23.0, 47.4) | 0.000297 (0.0002041, 0.0004203)  | 0.07969 (0.05968, 0.10421) | 31.0 (21.2, 44.4) | 0.000291 (0.0001992, 0.0004165)  | 0.09424 (0.07008, 0.12210) |
| Sulawesi Tengah | Ischemic heart disease                        | 35  | 39.8 (27.4, 55.6) | 0.0003529 (0.0002428, 0.0004934) | 0.09483 (0.06867, 0.12839) | 23.6 (15.0, 34.8) | 0.0002211 (0.0001410, 0.0003263) | 0.0716 (0.04909, 0.10013)  |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 35  | 10.4 (5.4, 18.9)  | 0.0000919 (0.0000480, 0.0001673) | 0.02468 (0.01359, 0.04232) | 11.6 (6.0, 20.1)  | 0.0001084 (0.0000561, 0.0001882) | 0.0351 (0.01883, 0.05935)  |
| Sulawesi Tengah | Diabetes mellitus                             | 35  | 12.1 (7.7, 17.9)  | 0.0001077 (0.0000683, 0.0001590) | 0.02895 (0.01962, 0.04052) | 17.5 (11.3, 26.5) | 0.0001638 (0.0001063, 0.0002486) | 0.05301 (0.03650, 0.07217) |
| Sulawesi Tengah | Chronic kidney disease                        | 35  | 13.0 (8.5, 19.6)  | 0.0001152 (0.0000751, 0.0001738) | 0.03094 (0.02152, 0.04306) | 11.4 (7.5, 16.9)  | 0.0001065 (0.0000701, 0.0001583) | 0.0345 (0.02373, 0.04847)  |
| Sulawesi Tengah | Cirrhosis                                     | 35  | 25.5 (15.7, 38.6) | 0.0002258 (0.0001393, 0.0003425) | 0.0607 (0.03777, 0.08518)  | 14.2 (8.1, 22.6)  | 0.0001329 (0.0000759, 0.0002121) | 0.04296 (0.02552, 0.06333) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 35  | 31.0 (19.4, 45.9) | 0.0002748 (0.0001720, 0.0004069) | 0.07383 (0.04840, 0.10222) | 20.0 (11.8, 31.1) | 0.000188 (0.0001107, 0.0002915)  | 0.06086 (0.03868, 0.08695) |
| Sulawesi Tengah | Other non-communicable diseases               | 35  | 33.3 (23.0, 47.0) | 0.0002956 (0.0002036, 0.0004166) | 0.07932 (0.05769, 0.10306) | 30.9 (21.0, 44.1) | 0.0002901 (0.0001973, 0.0004138) | 0.09388 (0.07029, 0.12197) |
| Sulawesi Tengah | Drowning                                      | 35  | 6.1 (2.1, 13.0)   | 0.000054 (0.0000190, 0.0001156)  | 0.01452 (0.00510, 0.03062) | 2.0 (0.7, 4.8)    | 0.0000191 (0.0000064, 0.0000454) | 0.0062 (0.00205, 0.01415)  |
| Sulawesi Tengah | Falls                                         | 35  | 5.7 (2.5, 10.7)   | 0.0000508 (0.0000224, 0.0000951) | 0.01369 (0.00589, 0.02501) | 2.5 (1.0, 4.9)    | 0.0000231 (0.0000095, 0.0000456) | 0.00749 (0.00331, 0.01446) |
| Sulawesi Tengah | Interpersonal violence                        | 35  | 4.7 (2.3, 8.6)    | 0.0000413 (0.0000201, 0.0000760) | 0.01108 (0.00552, 0.01933) | 2.8 (1.2, 5.5)    | 0.0000267 (0.0000116, 0.0000516) | 0.00863 (0.00415, 0.01560) |
| Sulawesi Tengah | Self-harm                                     | 35  | 3.7 (1.6, 6.8)    | 0.0000332 (0.0000145, 0.0000607) | 0.00891 (0.00405, 0.01601) | 1.9 (0.8, 3.8)    | 0.0000178 (0.0000073, 0.0000354) | 0.00575 (0.00247, 0.01099) |
| Sulawesi Tengah | Transport injuries                            | 35  | 33.0 (19.3, 51.4) | 0.0002924 (0.0001708, 0.0004559) | 0.07865 (0.04612, 0.11596) | 10.4 (5.3, 17.7)  | 0.0000978 (0.0000499, 0.0001659) | 0.03163 (0.01663, 0.05087) |
| Sulawesi Tengah | Other unintentional injuries                  | 35  | 19.6 (10.8, 34.3) | 0.0001735 (0.0000957, 0.0003046) | 0.04663 (0.02692, 0.07761) | 7.4 (3.8, 14.0)   | 0.0000697 (0.0000353, 0.0001311) | 0.02254 (0.01234, 0.04003) |
| Sulawesi Tengah | Diarrheal diseases                            | 40  | 8.9 (4.0, 16.2)   | 0.0000936 (0.0000421, 0.0001699) | 0.01793 (0.00856, 0.03181) | 9.7 (4.8, 16.9)   | 0.0001089 (0.0000535, 0.0001891) | 0.02486 (0.01281, 0.04206) |
| Sulawesi Tengah | HIV/AIDS                                      | 40  | 4.2 (1.2, 11.0)   | 0.0000442 (0.0000126, 0.0001155) | 0.00847 (0.00247, 0.02157) | 3.3 (0.9, 8.1)    | 0.0000369 (0.0000097, 0.0000911) | 0.00843 (0.00245, 0.02072) |
| Sulawesi Tengah | Lower respiratory infections                  | 40  | 12.5 (6.1, 23.9)  | 0.0001311 (0.0000640, 0.0002501) | 0.02512 (0.01275, 0.04657) | 8.6 (4.1, 16.6)   | 0.0000966 (0.0000458, 0.0001858) | 0.02206 (0.01110, 0.04014) |
| Sulawesi Tengah | Malaria                                       | 40  | 4.4 (0.8, 12.4)   | 0.0000465 (0.0000084, 0.0001295) | 0.00892 (0.00161, 0.02462) | 3.0 (0.6, 8.1)    | 0.0000341 (0.0000062, 0.0000905) | 0.0078 (0.00140, 0.02054)  |
| Sulawesi Tengah | Tuberculosis                                  | 40  | 57.1 (38.1, 80.9) | 0.0005974 (0.0003986, 0.0008463) | 0.11461 (0.07905, 0.15222) | 33.9 (21.1, 49.8) | 0.0003796 (0.0002366, 0.0005576) | 0.0866 (0.05803, 0.12056)  |
| Sulawesi Tengah | Maternal disorders                            | 40  |                   |                                  |                            | 3.5 (1.8, 6.2)    | 0.0000393 (0.0000199, 0.0000697) | 0.00896 (0.00479, 0.01509) |
| Sulawesi Tengah | Other communicable diseases                   | 40  | 20.0 (11.1, 33.0) | 0.0002098 (0.0001160, 0.0003454) | 0.04027 (0.02305, 0.06267) | 15.6 (8.5, 25.8)  | 0.0001748 (0.0000950, 0.0002887) | 0.0399 (0.02278, 0.06255)  |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 40  | 4.5 (1.4, 10.0)   | 0.0000473 (0.0000141, 0.0001046) | 0.00907 (0.00285, 0.02018) | 1.9 (0.5, 4.3)    | 0.0000209 (0.0000058, 0.0000487) | 0.0048 (0.00141, 0.01124)  |
| Sulawesi Tengah | Breast cancer                                 | 40  | 0.5 (0.1, 1.5)    | 0.0000054 (0.0000012, 0.0000160) | 0.00104 (0.00022, 0.00303) | 32.6 (16.4, 54.5) | 0.0003648 (0.0001833, 0.0006111) | 0.08317 (0.04517, 0.12998) |
| Sulawesi Tengah | Cervical cancer                               | 40  |                   |                                  |                            | 17.1 (6.1, 34.6)  | 0.0001921 (0.0000687, 0.0003872) | 0.04376 (0.01712, 0.08454) |
| Sulawesi Tengah | Other malignant neoplasms                     | 40  | 39.7 (23.5, 61.6) | 0.0004157 (0.0002461, 0.0006446) | 0.0798 (0.04946, 0.11702)  | 17.9 (8.5, 31.7)  | 0.0002007 (0.0000950, 0.0003547) | 0.05883 (0.02245, 0.07801) |
| Sulawesi Tengah | Cerebrovascular disease                       | 40  | 56.4 (40.3, 76.9) | 0.0005902 (0.0004212, 0.0008048) | 0.11318 (0.08587, 0.14322) | 49.1 (34.8, 68.2) | 0.0005507 (0.0003895, 0.0007646) | 0.1258 (0.09677, 0.15935)  |
| Sulawesi Tengah | Ischemic heart disease                        | 40  | 63.7 (45.1, 86.6) | 0.0006669 (0.0004718, 0.0009059) | 0.12804 (0.09448, 0.16719) | 35.7 (23.3, 52.4) | 0.0004003 (0.0002615, 0.0005870) | 0.09143 (0.06371, 0.12433) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 40  | 15.5 (8.2, 27.2)  | 0.0001623 (0.0000855, 0.0002846) | 0.03115 (0.01753, 0.05193) | 16.1 (8.5, 27.8)  | 0.0001809 (0.0000948, 0.0003117) | 0.04132 (0.02309, 0.06890) |
| Sulawesi Tengah | Diabetes mellitus                             | 40  | 26.4 (17.7, 36.7) | 0.0002766 (0.0001852, 0.0003840) | 0.05313 (0.03765, 0.07179) | 34.7 (22.9, 50.3) | 0.0003883 (0.0002561, 0.0005640) | 0.08866 (0.06327, 0.11648) |
| Sulawesi Tengah | Chronic kidney disease                        | 40  | 17.3 (11.4, 25.2) | 0.0001813 (0.0001195, 0.0002641) | 0.03479 (0.02471, 0.04689) | 14.0 (9.1, 20.1)  | 0.0001563 (0.0001018, 0.0002249) | 0.03572 (0.02522, 0.04943) |
| Sulawesi Tengah | Cirrhosis                                     | 40  | 32.6 (19.9, 48.7) | 0.0003411 (0.0002080, 0.0005093) | 0.0655 (0.04021, 0.09226)  | 17.0 (9.5, 27.0)  | 0.0001904 (0.0001065, 0.0003029) | 0.04342 (0.02587, 0.06465) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 40  | 38.9 (24.2, 56.5) | 0.0004068 (0.0002535, 0.0005910) | 0.07808 (0.05158, 0.10812) | 23.4 (13.7, 35.1) | 0.0002623 (0.0001540, 0.0003937) | 0.05989 (0.03826, 0.08535) |
| Sulawesi Tengah | Other non-communicable diseases               | 40  | 38.4 (26.5, 54.4) | 0.0004021 (0.0002771, 0.0005688) | 0.07709 (0.05644, 0.10107) | 33.6 (22.3, 47.2) | 0.0003761 (0.0002504, 0.0005288) | 0.08586 (0.06396, 0.11178) |
| Sulawesi Tengah | Drowning                                      | 40  | 3.1 (1.1, 7.4)    | 0.0000327 (0.0000113, 0.0000778) | 0.00629 (0.00216, 0.01457) | 1.0 (0.3, 2.6)    | 0.0000116 (0.0000036, 0.0000289) | 0.00264 (0.00085, 0.00654) |
| Sulawesi Tengah | Falls                                         | 40  | 4.9 (2.1, 9.3)    | 0.0000514 (0.0000216, 0.0000972) | 0.0009 (0.00439, 0.01880)  | 2.1 (0.8, 4.1)    | 0.0000231 (0.0000094, 0.0000457) | 0.0053 (0.00225, 0.01041)  |
| Sulawesi Tengah | Interpersonal violence                        | 40  | 3.6 (1.7, 6.8)    | 0.0000379 (0.0000177, 0.0000716) | 0.00728 (0.00343, 0.01356) | 2.1 (0.9, 4.2)    | 0.0000233 (0.0000102, 0.0000474) | 0.00532 (0.00242, 0.00991) |
| Sulawesi Tengah | Self-harm                                     | 40  | 3.3 (1.4, 6.5)    | 0.0000346 (0.0000146, 0.0000677) | 0.00665 (0.00289, 0.01253) | 1.6 (0.6, 3.1)    | 0.0000175 (0.0000069, 0.0000349) | 0.004 (0.00166, 0.00767)   |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males               |                                  |                            | Females             |                                  |                            |
|-----------------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Transport injuries                            | 40  | 26.1 (14.7, 41.4)   | 0.0002728 (0.0001542, 0.0004333) | 0.05242 (0.03051, 0.07853) | 7.9 (4.1, 13.5)     | 0.0000881 (0.0000456, 0.0001511) | 0.0201 (0.01076, 0.03276)  |
| Sulawesi Tengah | Other unintentional injuries                  | 40  | 15.6 (8.5, 26.8)    | 0.0001628 (0.0000884, 0.0002803) | 0.03128 (0.01770, 0.05348) | 5.6 (2.8, 10.5)     | 0.000063 (0.0000318, 0.0001173)  | 0.01436 (0.00770, 0.02503) |
| Sulawesi Tengah | Diarrheal diseases                            | 45  | 8.3 (3.7, 15.6)     | 0.0001092 (0.0000487, 0.0002052) | 0.01499 (0.00718, 0.02635) | 11.0 (5.5, 19.0)    | 0.0001566 (0.0000777, 0.0002695) | 0.02295 (0.01165, 0.03826) |
| Sulawesi Tengah | HIV/AIDS                                      | 45  | 2.0 (0.5, 5.5)      | 0.0000268 (0.0000070, 0.0000719) | 0.00369 (0.00103, 0.00979) | 1.9 (0.5, 4.8)      | 0.0000267 (0.0000074, 0.0000686) | 0.00392 (0.00113, 0.00999) |
| Sulawesi Tengah | Lower respiratory infections                  | 45  | 13.5 (6.5, 25.3)    | 0.0001781 (0.0000857, 0.0003334) | 0.02447 (0.01234, 0.04564) | 12.0 (5.9, 22.4)    | 0.0001709 (0.0000842, 0.0003180) | 0.02508 (0.01282, 0.04542) |
| Sulawesi Tengah | Malaria                                       | 45  | 3.8 (0.6, 10.8)     | 0.00005 (0.0000084, 0.0001420)   | 0.00686 (0.00120, 0.01880) | 2.8 (0.5, 7.6)      | 0.0000398 (0.0000068, 0.0001084) | 0.00586 (0.00009, 0.01604) |
| Sulawesi Tengah | Tuberculosis                                  | 45  | 58.3 (39.5, 83.3)   | 0.0007673 (0.0005195, 0.0010963) | 0.10558 (0.07487, 0.14058) | 39.1 (25.0, 57.8)   | 0.0005546 (0.0003541, 0.0008207) | 0.08132 (0.05448, 0.11402) |
| Sulawesi Tengah | Maternal disorders                            | 45  |                     |                                  |                            | 0.7 (0.3, 1.5)      | 0.0000105 (0.0000044, 0.0000211) | 0.00154 (0.00065, 0.00294) |
| Sulawesi Tengah | Other communicable diseases                   | 45  | 15.8 (8.4, 26.8)    | 0.0002073 (0.0001104, 0.0003529) | 0.0285 (0.01616, 0.04571)  | 15.6 (8.4, 25.8)    | 0.0002211 (0.0001197, 0.0003665) | 0.03241 (0.01868, 0.05043) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 45  | 5.3 (1.7, 11.9)     | 0.00007 (0.0000227, 0.0001569)   | 0.00964 (0.00310, 0.02145) | 2.4 (0.7, 5.4)      | 0.0000338 (0.0000099, 0.0000765) | 0.00498 (0.00157, 0.01161) |
| Sulawesi Tengah | Breast cancer                                 | 45  | 0.7 (0.2, 2.0)      | 0.0000097 (0.0000027, 0.0000258) | 0.00133 (0.00035, 0.00353) | 33.0 (16.4, 54.8)   | 0.0004676 (0.0002322, 0.0007769) | 0.06853 (0.03634, 0.10980) |
| Sulawesi Tengah | Cervical cancer                               | 45  |                     |                                  |                            | 16.4 (5.8, 32.9)    | 0.0002322 (0.0000820, 0.0004663) | 0.03402 (0.01283, 0.06526) |
| Sulawesi Tengah | Other malignant neoplasms                     | 45  | 38.6 (22.8, 60.4)   | 0.0005072 (0.0002995, 0.0007949) | 0.06981 (0.04334, 0.10438) | 17.2 (8.0, 30.4)    | 0.0002445 (0.0001138, 0.0004319) | 0.03589 (0.01708, 0.06223) |
| Sulawesi Tengah | Cerebrovascular disease                       | 45  | 76.9 (55.2, 104.9)  | 0.0010118 (0.0007265, 0.0013795) | 0.13909 (0.10856, 0.17299) | 75.5 (55.7, 101.9)  | 0.0010708 (0.0007904, 0.0014462) | 0.15715 (0.12467, 0.19329) |
| Sulawesi Tengah | Ischemic heart disease                        | 45  | 78.6 (56.3, 106.5)  | 0.0010337 (0.0007405, 0.0014007) | 0.14231 (0.10531, 0.18366) | 49.4 (33.4, 70.1)   | 0.0007005 (0.0004739, 0.0009951) | 0.10283 (0.07150, 0.13847) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 45  | 19.8 (10.4, 35.0)   | 0.0002598 (0.0001374, 0.0004606) | 0.03573 (0.02002, 0.05904) | 21.8 (12.0, 37.2)   | 0.0003089 (0.0001705, 0.0005282) | 0.04534 (0.02545, 0.07495) |
| Sulawesi Tengah | Diabetes mellitus                             | 45  | 41.9 (28.8, 58.0)   | 0.0005518 (0.0003790, 0.0007629) | 0.07598 (0.05457, 0.10083) | 57.7 (40.8, 81.0)   | 0.0008192 (0.0005787, 0.0011487) | 0.12023 (0.08868, 0.15612) |
| Sulawesi Tengah | Chronic kidney disease                        | 45  | 18.7 (12.2, 26.6)   | 0.0002462 (0.0001607, 0.0003501) | 0.03387 (0.02391, 0.04519) | 15.6 (10.4, 22.1)   | 0.0002212 (0.0001469, 0.0003142) | 0.03249 (0.02290, 0.04371) |
| Sulawesi Tengah | Cirrhosis                                     | 45  | 32.3 (19.9, 48.1)   | 0.0004251 (0.0002617, 0.0006331) | 0.05854 (0.03591, 0.08204) | 19.2 (10.9, 29.7)   | 0.0002723 (0.0001553, 0.0004208) | 0.03992 (0.02421, 0.05885) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 45  | 49.3 (31.8, 70.4)   | 0.0006481 (0.0004186, 0.0009259) | 0.08921 (0.06182, 0.12082) | 30.9 (18.7, 44.8)   | 0.0004387 (0.0002658, 0.0006351) | 0.0644 (0.04245, 0.09006)  |
| Sulawesi Tengah | Other non-communicable diseases               | 45  | 37.7 (25.8, 53.2)   | 0.0004965 (0.0003391, 0.0006999) | 0.06825 (0.05014, 0.08911) | 36.3 (24.5, 50.0)   | 0.0005146 (0.0003471, 0.0007087) | 0.07548 (0.05548, 0.09840) |
| Sulawesi Tengah | Drowning                                      | 45  | 1.8 (0.6, 4.2)      | 0.000024 (0.0000073, 0.0000551)  | 0.00331 (0.00103, 0.00750) | 0.9 (0.3, 2.2)      | 0.0000123 (0.0000036, 0.0000305) | 0.00181 (0.00056, 0.00430) |
| Sulawesi Tengah | Falls                                         | 45  | 4.9 (2.0, 9.2)      | 0.0000643 (0.0000266, 0.0001210) | 0.00888 (0.00372, 0.01643) | 2.7 (1.1, 5.5)      | 0.0000389 (0.0000163, 0.0000774) | 0.00573 (0.00234, 0.01119) |
| Sulawesi Tengah | Interpersonal violence                        | 45  | 3.1 (1.4, 6.0)      | 0.0000044 (0.0000179, 0.0000783) | 0.00555 (0.00256, 0.01066) | 1.9 (0.8, 3.7)      | 0.0000265 (0.0000114, 0.0000523) | 0.00389 (0.00172, 0.00725) |
| Sulawesi Tengah | Self-harm                                     | 45  | 3.2 (1.4, 6.4)      | 0.0000426 (0.0000178, 0.0000842) | 0.00586 (0.00247, 0.01109) | 1.6 (0.6, 3.1)      | 0.0000222 (0.0000085, 0.0000445) | 0.00325 (0.00133, 0.00637) |
| Sulawesi Tengah | Transport injuries                            | 45  | 24.1 (13.4, 39.0)   | 0.0003164 (0.0001762, 0.0005135) | 0.04358 (0.02482, 0.06787) | 9.0 (4.5, 15.7)     | 0.0001284 (0.0000641, 0.0002232) | 0.01883 (0.00978, 0.03186) |
| Sulawesi Tengah | Other unintentional injuries                  | 45  | 13.8 (7.2, 24.5)    | 0.000181 (0.0000944, 0.0003225)  | 0.02494 (0.01358, 0.04269) | 5.8 (2.9, 11.3)     | 0.0000828 (0.0000415, 0.0001598) | 0.01215 (0.00656, 0.02207) |
| Sulawesi Tengah | Diarrheal diseases                            | 50  | 11.3 (5.3, 20.4)    | 0.0001788 (0.0000848, 0.0003234) | 0.01656 (0.00847, 0.02856) | 15.1 (8.0, 25.5)    | 0.0002668 (0.0001406, 0.0004491) | 0.02589 (0.01401, 0.04280) |
| Sulawesi Tengah | HIV/AIDS                                      | 50  | 0.9 (0.2, 2.4)      | 0.0000141 (0.0000038, 0.0000385) | 0.00131 (0.00035, 0.00344) | 0.8 (0.2, 2.1)      | 0.0000145 (0.0000039, 0.0000377) | 0.00141 (0.00040, 0.00363) |
| Sulawesi Tengah | Lower respiratory infections                  | 50  | 18.0 (8.7, 33.3)    | 0.0002855 (0.0001382, 0.0005287) | 0.02645 (0.01320, 0.04805) | 16.1 (8.3, 29.6)    | 0.0002837 (0.0001469, 0.0005217) | 0.02756 (0.01458, 0.04831) |
| Sulawesi Tengah | Malaria                                       | 50  | 4.0 (0.7, 11.4)     | 0.0000637 (0.0000104, 0.0001816) | 0.00059 (0.00103, 0.01594) | 2.9 (0.5, 8.1)      | 0.0000509 (0.0000085, 0.0001427) | 0.00495 (0.00084, 0.01417) |
| Sulawesi Tengah | Tuberculosis                                  | 50  | 68.0 (44.1, 97.9)   | 0.0010797 (0.0007006, 0.0015559) | 0.10018 (0.06931, 0.13295) | 43.3 (26.7, 64.0)   | 0.0007636 (0.0004717, 0.0011292) | 0.07407 (0.04915, 0.10352) |
| Sulawesi Tengah | Maternal disorders                            | 50  |                     |                                  |                            | 0.3 (0.1, 0.9)      | 0.0000058 (0.0000017, 0.0000156) | 0.00057 (0.00018, 0.00146) |
| Sulawesi Tengah | Other communicable diseases                   | 50  | 16.2 (8.8, 27.3)    | 0.0002571 (0.0001392, 0.0004345) | 0.02387 (0.01331, 0.03864) | 16.4 (8.6, 28.1)    | 0.0002899 (0.0001524, 0.0004951) | 0.02812 (0.01599, 0.04518) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 50  | 7.4 (2.4, 16.4)     | 0.0001168 (0.0000387, 0.0002602) | 0.01084 (0.00364, 0.02372) | 2.6 (0.8, 6.0)      | 0.0000458 (0.0000135, 0.0001059) | 0.00446 (0.00138, 0.01059) |
| Sulawesi Tengah | Breast cancer                                 | 50  | 0.7 (0.2, 1.8)      | 0.0000116 (0.0000033, 0.0000285) | 0.00108 (0.00031, 0.00256) | 30.1 (14.5, 51.9)   | 0.000531 (0.0002552, 0.0009153)  | 0.05149 (0.02667, 0.08418) |
| Sulawesi Tengah | Cervical cancer                               | 50  |                     |                                  |                            | 16.3 (5.7, 31.5)    | 0.000288 (0.0001004, 0.0005564)  | 0.02793 (0.01015, 0.05473) |
| Sulawesi Tengah | Other malignant neoplasms                     | 50  | 34.0 (19.8, 54.0)   | 0.0005405 (0.0003145, 0.0008586) | 0.05018 (0.03034, 0.07779) | 18.2 (8.2, 32.5)    | 0.0003204 (0.0001438, 0.0005734) | 0.03111 (0.01479, 0.05463) |
| Sulawesi Tengah | Cerebrovascular disease                       | 50  | 112.1 (80.9, 151.9) | 0.0017819 (0.0012859, 0.0024135) | 0.16524 (0.13138, 0.20118) | 107.5 (80.8, 141.7) | 0.0018966 (0.0014257, 0.0024985) | 0.18418 (0.15035, 0.22231) |
| Sulawesi Tengah | Ischemic heart disease                        | 50  | 107.1 (76.3, 143.8) | 0.0017024 (0.0012124, 0.0022841) | 0.15806 (0.11783, 0.20167) | 62.2 (41.2, 87.8)   | 0.0010962 (0.0007270, 0.0015485) | 0.10645 (0.07544, 0.14345) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 50  | 27.7 (14.8, 48.1)   | 0.0004409 (0.0002349, 0.0007639) | 0.04088 (0.02280, 0.06744) | 30.4 (17.0, 51.2)   | 0.0005366 (0.0002992, 0.0009033) | 0.05212 (0.03003, 0.08412) |
| Sulawesi Tengah | Diabetes mellitus                             | 50  | 60.2 (41.7, 82.4)   | 0.0009565 (0.0006627, 0.0013094) | 0.08885 (0.06661, 0.11463) | 80.6 (57.5, 111.9)  | 0.0014222 (0.0010142, 0.0019744) | 0.13808 (0.10471, 0.17635) |
| Sulawesi Tengah | Chronic kidney disease                        | 50  | 21.4 (14.0, 30.6)   | 0.0003393 (0.0002222, 0.0004860) | 0.03149 (0.02265, 0.04260) | 17.3 (11.7, 24.2)   | 0.0003046 (0.0002056, 0.0004270) | 0.0296 (0.02094, 0.03997)  |
| Sulawesi Tengah | Cirrhosis                                     | 50  | 36.2 (21.3, 55.3)   | 0.0005744 (0.0003390, 0.0008784) | 0.05334 (0.03280, 0.07584) | 21.5 (12.2, 33.5)   | 0.0003791 (0.0002159, 0.0005907) | 0.03678 (0.02216, 0.05485) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 50  | 66.1 (42.9, 94.4)   | 0.0010509 (0.0006817, 0.0014995) | 0.09752 (0.06781, 0.13020) | 42.6 (26.8, 60.3)   | 0.0007521 (0.0004721, 0.0010643) | 0.07305 (0.04964, 0.09914) |
| Sulawesi Tengah | Other non-communicable diseases               | 50  | 42.9 (28.8, 60.3)   | 0.0006813 (0.0004580, 0.0009586) | 0.06317 (0.04602, 0.08282) | 40.8 (28.0, 56.4)   | 0.0007196 (0.0004932, 0.0009956) | 0.06984 (0.05193, 0.09191) |
| Sulawesi Tengah | Drowning                                      | 50  | 1.3 (0.4, 3.1)      | 0.0000212 (0.0000063, 0.0000499) | 0.00197 (0.00062, 0.00462) | 0.7 (0.2, 1.7)      | 0.0000117 (0.0000033, 0.0000297) | 0.00114 (0.00033, 0.00276) |
| Sulawesi Tengah | Falls                                         | 50  | 5.7 (2.4, 10.9)     | 0.0000901 (0.0000374, 0.0001734) | 0.00839 (0.00356, 0.01663) | 3.2 (1.4, 6.3)      | 0.000057 (0.0000250, 0.0001108)  | 0.00554 (0.00246, 0.01084) |
| Sulawesi Tengah | Interpersonal violence                        | 50  | 2.6 (1.1, 5.1)      | 0.000044 (0.0000173, 0.0000809)  | 0.0038 (0.00169, 0.00726)  | 1.5 (0.6, 2.9)      | 0.0000261 (0.0000108, 0.0000520) | 0.00253 (0.00112, 0.00480) |
| Sulawesi Tengah | Self-harm                                     | 50  | 3.0 (1.2, 6.0)      | 0.0000484 (0.0000193, 0.0000960) | 0.00449 (0.00188, 0.00846) | 1.4 (0.5, 2.8)      | 0.000024 (0.0000091, 0.0000486)  | 0.00234 (0.00096, 0.00463) |
| Sulawesi Tengah | Transport injuries                            | 50  | 19.6 (10.5, 32.0)   | 0.0003112 (0.0001663, 0.0005080) | 0.02891 (0.01613, 0.04580) | 7.3 (3.7, 12.6)     | 0.0001281 (0.0000644, 0.0002229) | 0.01244 (0.00653, 0.02080) |
| Sulawesi Tengah | Other unintentional injuries                  | 50  | 11.9 (6.1, 21.1)    | 0.0001884 (0.0000970, 0.0003353) | 0.01751 (0.00925, 0.03006) | 4.9 (2.4, 9.2)      | 0.0000861 (0.0000416, 0.0001628) | 0.00836 (0.00435, 0.01486) |
| Sulawesi Tengah | Diarrheal diseases                            | 55  | 11.7 (5.5, 20.8)    | 0.000263 (0.0001236, 0.0004667)  | 0.01714 (0.00834, 0.02904) | 15.4 (7.8, 25.6)    | 0.0004067 (0.0002069, 0.0006763) | 0.02645 (0.01405, 0.04237) |
| Sulawesi Tengah | HIV/AIDS                                      | 55  | 0.4 (0.1, 1.0)      | 0.000008 (0.0000018, 0.0000222)  | 0.00052 (0.00013, 0.00145) | 0.3 (0.1, 0.9)      | 0.0000085 (0.0000021, 0.0000234) | 0.00055 (0.00014, 0.00158) |
| Sulawesi Tengah | Lower respiratory infections                  | 55  | 17.5 (8.5, 32.3)    | 0.0003926 (0.0001909, 0.0007245) | 0.02556 (0.01305, 0.04509) | 15.5 (8.1, 28.1)    | 0.0004095 (0.0002133, 0.0007437) | 0.02665 (0.01401, 0.04635) |
| Sulawesi Tengah | Malaria                                       | 55  | 3.9 (0.7, 11.3)     | 0.0000873 (0.0000155, 0.0002525) | 0.00569 (0.00105, 0.01569) | 2.7 (0.4, 7.6)      | 0.0000708 (0.0000119, 0.0002020) | 0.00462 (0.00079, 0.01338) |
| Sulawesi Tengah | Tuberculosis                                  | 55  | 58.4 (37.1, 83.8)   | 0.0013096 (0.0008329, 0.0018805) | 0.0854 (0.05894, 0.11638)  | 36.1 (22.1, 54.4)   | 0.0009547 (0.0005836, 0.0014377) | 0.06204 (0.04016, 0.08984) |
| Sulawesi Tengah | Other communicable diseases                   | 55  | 14.7 (7.4, 25.3)    | 0.0003298 (0.0001665, 0.0005679) | 0.02151 (0.01110, 0.03507) | 14.6 (7.6, 24.1)    | 0.000387 (0.0002015, 0.0006368)  | 0.02517 (0.01362, 0.04069) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 55  | 6.3 (2.1, 14.1)     | 0.0001408 (0.0000478, 0.0003169) | 0.00919 (0.00323, 0.02034) | 2.1 (0.6, 4.8)      | 0.0000548 (0.0000168, 0.0001279) | 0.00357 (0.00114, 0.00835) |
| Sulawesi Tengah | Breast cancer                                 | 55  | 0.7 (0.2, 1.6)      | 0.0000147 (0.0000045, 0.0000367) | 0.00096 (0.00028, 0.00239) | 22.7 (10.5, 40.2)   | 0.0006003 (0.0002786, 0.0010635) | 0.03899 (0.01947, 0.06491) |
| Sulawesi Tengah | Cervical cancer                               | 55  |                     |                                  |                            | 11.3 (3.8, 23.4)    | 0.0002992 (0.0001001, 0.0006185) | 0.01945 (0.00672, 0.03940) |
| Sulawesi Tengah | Other malignant neoplasms                     | 55  | 27.1 (15.4, 43.5)   | 0.0006078 (0.0003454, 0.0009758) | 0.03965 (0.02378, 0.06184) | 15.6 (7.1, 28.2)    | 0.0004134 (0.0001886, 0.0007451) | 0.02688 (0.01249, 0.04773) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                |                                  |                              | Females              |                                  |                            |
|-----------------|-----------------------------------------------|-----|----------------------|----------------------------------|------------------------------|----------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Cerebrovascular disease                       | 55  | 129.3 (94.0, 172.0)  | 0.0029027 (0.0021106, 0.0038596) | 0.18924 (0.15286, 0.23065)   | 123.2 (95.2, 161.3)  | 0.0032566 (0.0025163, 0.0042639) | 0.21187 (0.17423, 0.25339) |
| Sulawesi Tengah | Ischemic heart disease                        | 55  | 118.0 (83.7, 156.7)  | 0.0026474 (0.0018793, 0.0035175) | 0.17276 (0.12827, 0.21843)   | 69.4 (47.7, 96.6)    | 0.0018357 (0.0012603, 0.0025549) | 0.11943 (0.08375, 0.15899) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 55  | 31.5 (16.5, 53.6)    | 0.0007078 (0.0003696, 0.0012036) | 0.04613 (0.02588, 0.07443)   | 33.8 (19.1, 55.4)    | 0.0008942 (0.0005057, 0.0014636) | 0.05818 (0.03326, 0.09280) |
| Sulawesi Tengah | Diabetes mellitus                             | 55  | 63.6 (45.0, 87.3)    | 0.0014276 (0.0010094, 0.0019594) | 0.09323 (0.07013, 0.12052)   | 83.9 (60.5, 116.2)   | 0.0022195 (0.0015992, 0.0030710) | 0.14437 (0.11025, 0.18257) |
| Sulawesi Tengah | Chronic kidney disease                        | 55  | 20.7 (13.6, 29.9)    | 0.0004639 (0.0003050, 0.0006700) | 0.03027 (0.02188, 0.04130)   | 16.4 (11.1, 23.4)    | 0.0004348 (0.0002939, 0.0006189) | 0.0283 (0.01985, 0.03871)  |
| Sulawesi Tengah | Cirrhosis                                     | 55  | 32.0 (18.8, 49.0)    | 0.0007186 (0.0004216, 0.0010987) | 0.0469 (0.02768, 0.06757)    | 18.9 (10.8, 29.8)    | 0.0005007 (0.0002851, 0.0007871) | 0.03255 (0.01903, 0.04832) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 55  | 71.0 (47.3, 99.0)    | 0.0015932 (0.0010608, 0.0022228) | 0.10394 (0.07393, 0.13496)   | 44.1 (28.6, 62.1)    | 0.0011656 (0.0007551, 0.0016407) | 0.07584 (0.05189, 0.10180) |
| Sulawesi Tengah | Other non-communicable diseases               | 55  | 44.2 (29.8, 62.1)    | 0.0009926 (0.0006684, 0.0013928) | 0.06469 (0.04705, 0.08458)   | 41.6 (28.8, 56.8)    | 0.0010994 (0.0007616, 0.0015007) | 0.07153 (0.05307, 0.09366) |
| Sulawesi Tengah | Drowning                                      | 55  | 0.9 (0.3, 2.3)       | 0.0000199 (0.0000059, 0.0000507) | 0.0013 (0.00039, 0.00316)    | 0.4 (0.1, 1.1)       | 0.0000116 (0.0000033, 0.0000295) | 0.00075 (0.00022, 0.00186) |
| Sulawesi Tengah | Falls                                         | 55  | 5.6 (2.4, 10.7)      | 0.0001256 (0.0000538, 0.0002397) | 0.00822 (0.00368, 0.01578)   | 3.1 (1.4, 6.1)       | 0.0000829 (0.0000357, 0.0001615) | 0.0054 (0.00240, 0.01051)  |
| Sulawesi Tengah | Interpersonal violence                        | 55  | 1.9 (0.8, 3.8)       | 0.000043 (0.0000174, 0.0000860)  | 0.00281 (0.00118, 0.00543)   | 1.0 (0.4, 2.1)       | 0.0000276 (0.0000114, 0.0000549) | 0.00179 (0.00079, 0.00331) |
| Sulawesi Tengah | Self-harm                                     | 55  | 2.6 (1.0, 5.2)       | 0.0000583 (0.0000231, 0.0001171) | 0.00381 (0.00157, 0.00741)   | 1.1 (0.4, 2.2)       | 0.0000292 (0.0000114, 0.0000580) | 0.0019 (0.00079, 0.00367)  |
| Sulawesi Tengah | Transport injuries                            | 55  | 12.2 (6.2, 21.0)     | 0.0002732 (0.0001385, 0.0004713) | 0.01783 (0.00928, 0.03008)   | 4.4 (2.1, 7.9)       | 0.0001157 (0.0000547, 0.0002084) | 0.00753 (0.00368, 0.01360) |
| Sulawesi Tengah | Other unintentional injuries                  | 55  | 9.0 (4.7, 15.7)      | 0.0002028 (0.0001055, 0.0003512) | 0.01325 (0.00705, 0.02241)   | 3.6 (1.8, 6.5)       | 0.000095 (0.0000488, 0.0001725)  | 0.00617 (0.00327, 0.01096) |
| Sulawesi Tengah | Diarrheal diseases                            | 60  | 15.4 (7.7, 27.1)     | 0.0004844 (0.0002422, 0.0008548) | 0.01931 (0.01019, 0.03239)   | 19.8 (11.1, 32.2)    | 0.0006635 (0.0003705, 0.0010783) | 0.02819 (0.01568, 0.04489) |
| Sulawesi Tengah | HIV/AIDS                                      | 60  | 0.3 (0.1, 0.8)       | 0.0000085 (0.0000018, 0.0000242) | 0.00034 (0.000008, 0.000077) | 0.3 (0.1, 0.7)       | 0.0000084 (0.0000019, 0.0000250) | 0.00036 (0.00009, 0.00105) |
| Sulawesi Tengah | Lower respiratory infections                  | 60  | 26.5 (13.6, 47.3)    | 0.0008341 (0.0004286, 0.0014910) | 0.03321 (0.01814, 0.05765)   | 24.8 (13.8, 42.4)    | 0.0008312 (0.0004615, 0.0014212) | 0.03535 (0.01967, 0.06018) |
| Sulawesi Tengah | Malaria                                       | 60  | 4.5 (0.8, 12.7)      | 0.0001413 (0.0000248, 0.0004000) | 0.00563 (0.00102, 0.01571)   | 3.0 (0.5, 8.7)       | 0.000102 (0.0000173, 0.0002930)  | 0.00434 (0.00075, 0.01266) |
| Sulawesi Tengah | Tuberculosis                                  | 60  | 71.4 (48.0, 101.7)   | 0.0022509 (0.0014494, 0.0032038) | 0.08982 (0.06111, 0.12222)   | 47.5 (29.9, 69.5)    | 0.0015904 (0.0010001, 0.0023276) | 0.06758 (0.04311, 0.09760) |
| Sulawesi Tengah | Other communicable diseases                   | 60  | 14.2 (6.7, 24.4)     | 0.0004466 (0.0002123, 0.0007686) | 0.01783 (0.00936, 0.02949)   | 13.9 (6.9, 23.6)     | 0.0004644 (0.0002301, 0.0007907) | 0.01973 (0.01057, 0.03292) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 60  | 7.4 (2.5, 16.3)      | 0.000232 (0.0000772, 0.0005129)  | 0.00927 (0.00307, 0.02063)   | 2.1 (0.7, 4.8)       | 0.0000708 (0.0000220, 0.0001600) | 0.00301 (0.00097, 0.00693) |
| Sulawesi Tengah | Breast cancer                                 | 60  | 0.6 (0.2, 1.4)       | 0.0000184 (0.0000052, 0.0000443) | 0.00074 (0.00021, 0.00180)   | 18.7 (8.5, 33.6)     | 0.0006265 (0.0002862, 0.0011267) | 0.02661 (0.01235, 0.04509) |
| Sulawesi Tengah | Cervical cancer                               | 60  |                      |                                  |                              | 10.6 (3.6, 22.0)     | 0.0003548 (0.0001219, 0.0007357) | 0.01507 (0.00525, 0.03100) |
| Sulawesi Tengah | Other malignant neoplasms                     | 60  | 27.5 (15.7, 44.0)    | 0.0008677 (0.0004938, 0.0013860) | 0.03464 (0.02053, 0.05372)   | 18.0 (8.5, 32.4)     | 0.0006037 (0.0002840, 0.0010856) | 0.02565 (0.01209, 0.04442) |
| Sulawesi Tengah | Cerebrovascular disease                       | 60  | 158.9 (117.8, 208.3) | 0.0050063 (0.0037117, 0.0065627) | 0.19973 (0.16250, 0.24005)   | 159.7 (124.5, 204.1) | 0.0053502 (0.0041710, 0.0068361) | 0.22746 (0.18870, 0.27139) |
| Sulawesi Tengah | Ischemic heart disease                        | 60  | 126.4 (88.0, 168.7)  | 0.0039821 (0.0027739, 0.0053146) | 0.15902 (0.11681, 0.20081)   | 83.6 (57.3, 114.8)   | 0.0028009 (0.0019196, 0.0038472) | 0.11907 (0.08493, 0.15711) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 60  | 38.6 (20.3, 65.7)    | 0.0012151 (0.0006402, 0.0020714) | 0.04848 (0.02806, 0.07937)   | 42.2 (23.8, 67.7)    | 0.0014147 (0.0007964, 0.0022665) | 0.06015 (0.03436, 0.09591) |
| Sulawesi Tengah | Diabetes mellitus                             | 60  | 62.3 (43.1, 85.6)    | 0.0019635 (0.0013579, 0.0026978) | 0.07843 (0.05778, 0.10191)   | 87.5 (62.8, 118.9)   | 0.0029315 (0.0021048, 0.0039817) | 0.12461 (0.09412, 0.15754) |
| Sulawesi Tengah | Chronic kidney disease                        | 60  | 20.5 (13.8, 29.4)    | 0.0006469 (0.0004353, 0.0009278) | 0.02583 (0.01848, 0.03499)   | 17.3 (11.6, 24.4)    | 0.0005779 (0.0003887, 0.0008169) | 0.02457 (0.01736, 0.03341) |
| Sulawesi Tengah | Cirrhosis                                     | 60  | 31.0 (18.2, 46.1)    | 0.0009776 (0.0005725, 0.0014536) | 0.03904 (0.02343, 0.05596)   | 19.3 (11.2, 30.0)    | 0.0006474 (0.0003738, 0.0010039) | 0.02751 (0.01612, 0.04161) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 60  | 104.0 (71.6, 142.0)  | 0.0032781 (0.0022544, 0.0044736) | 0.13084 (0.09734, 0.16707)   | 66.4 (45.1, 90.5)    | 0.0022244 (0.0015093, 0.0030318) | 0.09458 (0.06642, 0.12627) |
| Sulawesi Tengah | Other non-communicable diseases               | 60  | 55.4 (38.1, 77.2)    | 0.0017454 (0.0011997, 0.0024335) | 0.06961 (0.05150, 0.09024)   | 54.2 (38.7, 73.6)    | 0.0018141 (0.0012954, 0.0024640) | 0.07713 (0.05783, 0.10027) |
| Sulawesi Tengah | Drowning                                      | 60  | 0.8 (0.2, 2.0)       | 0.0000259 (0.0000071, 0.0000631) | 0.00104 (0.00030, 0.00253)   | 0.4 (0.1, 1.0)       | 0.0000142 (0.0000036, 0.0000347) | 0.0006 (0.00016, 0.00143)  |
| Sulawesi Tengah | Falls                                         | 60  | 5.7 (2.4, 10.9)      | 0.0001786 (0.0000754, 0.0003445) | 0.00714 (0.00307, 0.01373)   | 3.3 (1.5, 6.4)       | 0.00011 (0.0000492, 0.0002155)   | 0.00468 (0.00216, 0.00895) |
| Sulawesi Tengah | Interpersonal violence                        | 60  | 1.4 (0.6, 2.8)       | 0.0000453 (0.0000184, 0.0000886) | 0.00181 (0.00075, 0.00350)   | 0.8 (0.3, 1.6)       | 0.0000272 (0.0000111, 0.0000544) | 0.00116 (0.00049, 0.00221) |
| Sulawesi Tengah | Self-harm                                     | 60  | 2.2 (0.8, 4.4)       | 0.0000689 (0.0000257, 0.0001397) | 0.00275 (0.00110, 0.00540)   | 1.0 (0.4, 1.9)       | 0.0000322 (0.0000123, 0.0000637) | 0.00137 (0.00055, 0.00271) |
| Sulawesi Tengah | Transport injuries                            | 60  | 11.9 (6.1, 20.3)     | 0.0003755 (0.0001916, 0.0006384) | 0.015 (0.00767, 0.02497)     | 4.4 (2.1, 8.1)       | 0.0001488 (0.0000714, 0.0002721) | 0.00632 (0.00305, 0.01113) |
| Sulawesi Tengah | Other unintentional injuries                  | 60  | 8.4 (4.1, 15.0)      | 0.0002632 (0.0001297, 0.0004741) | 0.01051 (0.00545, 0.01829)   | 3.4 (1.6, 6.6)       | 0.0001151 (0.0000552, 0.0002200) | 0.00489 (0.00247, 0.00896) |
| Sulawesi Tengah | Diarrheal diseases                            | 65  | 22.8 (11.7, 38.7)    | 0.0010776 (0.0005522, 0.0018271) | 0.03029 (0.01661, 0.04810)   | 29.7 (17.8, 45.9)    | 0.001497 (0.0008962, 0.0023132)  | 0.04248 (0.02617, 0.06481) |
| Sulawesi Tengah | HIV/AIDS                                      | 65  | 0.2 (0.1, 0.7)       | 0.0000112 (0.0000026, 0.0000313) | 0.00031 (0.00007, 0.00089)   | 0.2 (0.1, 0.6)       | 0.0000114 (0.0000028, 0.0000317) | 0.00032 (0.00008, 0.00090) |
| Sulawesi Tengah | Lower respiratory infections                  | 65  | 28.1 (14.1, 49.7)    | 0.0013258 (0.0006656, 0.0023497) | 0.03725 (0.02005, 0.06319)   | 27.6 (15.3, 47.3)    | 0.0013909 (0.0007713, 0.0023864) | 0.03947 (0.02157, 0.06442) |
| Sulawesi Tengah | Malaria                                       | 65  | 4.2 (0.7, 11.9)      | 0.0001975 (0.0000334, 0.0005619) | 0.00556 (0.00099, 0.01588)   | 2.8 (0.5, 8.0)       | 0.0001396 (0.0000243, 0.0004017) | 0.00397 (0.00069, 0.01124) |
| Sulawesi Tengah | Tuberculosis                                  | 65  | 68.2 (42.9, 100.5)   | 0.003224 (0.0020257, 0.0047485)  | 0.09076 (0.06032, 0.12385)   | 45.8 (28.3, 68.2)    | 0.0023088 (0.0014274, 0.0034400) | 0.06547 (0.04020, 0.09532) |
| Sulawesi Tengah | Other communicable diseases                   | 65  | 12.4 (6.2, 21.7)     | 0.0005868 (0.0002940, 0.0010274) | 0.01653 (0.00869, 0.02841)   | 12.5 (6.3, 20.9)     | 0.0006288 (0.0003166, 0.0010561) | 0.01785 (0.00931, 0.03027) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 65  | 5.4 (1.8, 11.7)      | 0.0002541 (0.0000829, 0.0005505) | 0.00716 (0.00239, 0.01531)   | 1.5 (0.5, 3.5)       | 0.000078 (0.0000243, 0.0001764)  | 0.00222 (0.00068, 0.00518) |
| Sulawesi Tengah | Breast cancer                                 | 65  | 0.4 (0.1, 1.1)       | 0.0000192 (0.0000050, 0.0000511) | 0.00054 (0.00014, 0.00141)   | 13.0 (5.7, 23.6)     | 0.0006543 (0.0002893, 0.0011887) | 0.01855 (0.00850, 0.03306) |
| Sulawesi Tengah | Cervical cancer                               | 65  |                      |                                  |                              | 7.2 (2.3, 16.3)      | 0.0003619 (0.0001179, 0.0008202) | 0.01025 (0.00344, 0.02331) |
| Sulawesi Tengah | Other malignant neoplasms                     | 65  | 20.1 (11.1, 32.4)    | 0.0009479 (0.0005253, 0.0015307) | 0.02669 (0.01573, 0.04105)   | 16.9 (7.9, 29.7)     | 0.0008544 (0.0003991, 0.0014974) | 0.02424 (0.01161, 0.04131) |
| Sulawesi Tengah | Cerebrovascular disease                       | 65  | 156.5 (115.5, 205.0) | 0.0073963 (0.0054563, 0.0096850) | 0.20817 (0.16925, 0.24971)   | 167.7 (134.0, 210.6) | 0.0084755 (0.0067585, 0.0106240) | 0.23999 (0.20042, 0.28208) |
| Sulawesi Tengah | Ischemic heart disease                        | 65  | 116.5 (80.0, 157.0)  | 0.0055039 (0.0037795, 0.0074177) | 0.15504 (0.11388, 0.19764)   | 80.9 (56.3, 110.6)   | 0.0040813 (0.0028393, 0.0055779) | 0.11582 (0.08273, 0.15273) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 65  | 40.1 (20.9, 66.7)    | 0.0018949 (0.0009857, 0.0031528) | 0.05333 (0.03036, 0.08568)   | 46.4 (26.3, 74.6)    | 0.0023392 (0.0013253, 0.0037603) | 0.06638 (0.03826, 0.10436) |
| Sulawesi Tengah | Diabetes mellitus                             | 65  | 47.1 (31.8, 64.9)    | 0.0022233 (0.0015042, 0.0030656) | 0.06267 (0.04614, 0.08168)   | 71.1 (51.7, 97.6)    | 0.0035853 (0.0026069, 0.0049243) | 0.10173 (0.07584, 0.13005) |
| Sulawesi Tengah | Chronic kidney disease                        | 65  | 18.1 (11.9, 25.7)    | 0.000853 (0.0005617, 0.0012159)  | 0.02403 (0.01709, 0.03224)   | 16.0 (10.8, 22.1)    | 0.0008065 (0.0005436, 0.0011147) | 0.0229 (0.01612, 0.03104)  |
| Sulawesi Tengah | Cirrhosis                                     | 65  | 22.8 (13.4, 34.3)    | 0.0010776 (0.0006328, 0.0016226) | 0.03037 (0.01867, 0.04456)   | 15.4 (8.9, 23.9)     | 0.0007752 (0.0004487, 0.0012074) | 0.02198 (0.01301, 0.03306) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 65  | 105.6 (72.4, 144.2)  | 0.0049876 (0.0034201, 0.0068123) | 0.14046 (0.10468, 0.17696)   | 71.6 (50.1, 97.3)    | 0.0036134 (0.0025290, 0.0049072) | 0.10254 (0.07275, 0.13349) |
| Sulawesi Tengah | Other non-communicable diseases               | 65  | 58.6 (40.0, 81.2)    | 0.0027706 (0.0018894, 0.0038364) | 0.07794 (0.05811, 0.10190)   | 60.9 (43.2, 82.7)    | 0.0030713 (0.0021810, 0.0041709) | 0.08714 (0.06565, 0.11304) |
| Sulawesi Tengah | Drowning                                      | 65  | 0.6 (0.2, 1.5)       | 0.0000286 (0.0000077, 0.0000688) | 0.00081 (0.00022, 0.00192)   | 0.3 (0.1, 0.8)       | 0.0000174 (0.0000046, 0.0000428) | 0.00049 (0.00013, 0.00121) |
| Sulawesi Tengah | Falls                                         | 65  | 5.4 (2.2, 9.9)       | 0.0002533 (0.0001029, 0.0004680) | 0.00715 (0.00312, 0.01315)   | 3.4 (1.5, 6.3)       | 0.0001703 (0.0000772, 0.0003160) | 0.00484 (0.00218, 0.00899) |
| Sulawesi Tengah | Interpersonal violence                        | 65  | 1.0 (0.4, 2.2)       | 0.0000482 (0.0000189, 0.0001025) | 0.00136 (0.00054, 0.00274)   | 0.6 (0.2, 1.2)       | 0.0000296 (0.0000122, 0.0000608) | 0.00084 (0.00035, 0.00171) |
| Sulawesi Tengah | Self-harm                                     | 65  | 1.8 (0.7, 3.7)       | 0.0000842 (0.0000323, 0.0001746) | 0.00237 (0.00093, 0.00485)   | 0.8 (0.3, 1.7)       | 0.0000398 (0.0000150, 0.0000842) | 0.00113 (0.00044, 0.00228) |
| Sulawesi Tengah | Transport injuries                            | 65  | 9.0 (4.6, 15.9)      | 0.0004253 (0.0002165, 0.0007524) | 0.01198 (0.00622, 0.02048)   | 3.6 (1.7, 6.5)       | 0.0001804 (0.0000843, 0.0003287) | 0.00512 (0.00251, 0.00919) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|-----------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                 |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah | Other unintentional injuries                  | 65  | 6.9 (3.5, 12.6)      | 0.0003277 (0.0001636, 0.0005938) | 0.00924 (0.00479, 0.01624) | 3.0 (1.5, 5.6)       | 0.0001511 (0.0000747, 0.0002826) | 0.00429 (0.00215, 0.00775) |
| Sulawesi Tengah | Diarrheal diseases                            | 70  | 34.6 (19.1, 55.4)    | 0.0024524 (0.0013542, 0.0039291) | 0.04389 (0.02641, 0.06570) | 46.0 (29.9, 69.5)    | 0.0031062 (0.0020184, 0.0046935) | 0.05651 (0.03649, 0.08231) |
| Sulawesi Tengah | HIV/AIDS                                      | 70  | 0.3 (0.1, 0.9)       | 0.0000225 (0.0000056, 0.0000623) | 0.0004 (0.00010, 0.00110)  | 0.3 (0.1, 0.9)       | 0.0000219 (0.0000056, 0.0000580) | 0.0004 (0.00010, 0.00106)  |
| Sulawesi Tengah | Lower respiratory infections                  | 70  | 37.2 (21.6, 64.3)    | 0.0026414 (0.0013994, 0.0045589) | 0.04723 (0.02648, 0.07736) | 40.4 (23.1, 65.7)    | 0.0027273 (0.0015599, 0.0044392) | 0.04964 (0.02880, 0.07877) |
| Sulawesi Tengah | Malaria                                       | 70  | 4.0 (0.6, 12.2)      | 0.0002825 (0.0000447, 0.0008675) | 0.00507 (0.00081, 0.01498) | 2.7 (0.4, 7.9)       | 0.0001806 (0.0000299, 0.0005326) | 0.00329 (0.00055, 0.00950) |
| Sulawesi Tengah | Tuberculosis                                  | 70  | 68.3 (41.9, 100.5)   | 0.004847 (0.0029702, 0.0071297)  | 0.08685 (0.05712, 0.12070) | 50.8 (30.3, 77.1)    | 0.0034346 (0.0020488, 0.0052049) | 0.06245 (0.03814, 0.09252) |
| Sulawesi Tengah | Other communicable diseases                   | 70  | 14.4 (6.9, 24.8)     | 0.0010185 (0.0004908, 0.0017558) | 0.01826 (0.00942, 0.03074) | 14.8 (7.3, 25.9)     | 0.0009989 (0.0004897, 0.0017487) | 0.01818 (0.00909, 0.03124) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 70  | 4.5 (1.5, 9.9)       | 0.0003177 (0.0001047, 0.0007030) | 0.0057 (0.00188, 0.01269)  | 1.4 (0.4, 3.3)       | 0.000096 (0.0000289, 0.0002200)  | 0.00175 (0.00052, 0.00406) |
| Sulawesi Tengah | Breast cancer                                 | 70  | 0.3 (0.1, 0.8)       | 0.0000206 (0.0000048, 0.0000579) | 0.00037 (0.00009, 0.00107) | 8.7 (3.7, 16.8)      | 0.0005896 (0.0002515, 0.0011340) | 0.01071 (0.00466, 0.02018) |
| Sulawesi Tengah | Cervical cancer                               | 70  |                      |                                  |                            | 5.1 (1.6, 11.2)      | 0.0003453 (0.0001114, 0.0007597) | 0.00627 (0.00207, 0.01367) |
| Sulawesi Tengah | Other malignant neoplasms                     | 70  | 15.5 (8.4, 25.3)     | 0.0011 (0.0005985, 0.0017978)    | 0.01971 (0.01146, 0.03134) | 15.3 (7.6, 26.9)     | 0.0010316 (0.0005135, 0.0018153) | 0.01877 (0.00925, 0.03199) |
| Sulawesi Tengah | Cerebrovascular disease                       | 70  | 164.2 (120.4, 215.1) | 0.0116487 (0.0085418, 0.0152532) | 0.20867 (0.17169, 0.24869) | 201.2 (162.2, 252.4) | 0.0135899 (0.0109534, 0.0170482) | 0.24725 (0.20682, 0.28922) |
| Sulawesi Tengah | Ischemic heart disease                        | 70  | 111.7 (76.2, 151.5)  | 0.0079227 (0.0054060, 0.0107438) | 0.14207 (0.10175, 0.18246) | 93.8 (65.7, 127.0)   | 0.0063379 (0.0044358, 0.0085801) | 0.11533 (0.08007, 0.15309) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 70  | 44.4 (23.6, 72.8)    | 0.0031493 (0.0016722, 0.0051654) | 0.05642 (0.03286, 0.09016) | 56.7 (32.8, 89.7)    | 0.0038328 (0.0022164, 0.0060575) | 0.06974 (0.04170, 0.10952) |
| Sulawesi Tengah | Diabetes mellitus                             | 70  | 35.2 (23.9, 49.7)    | 0.002496 (0.0016980, 0.0035270)  | 0.04479 (0.03250, 0.06028) | 61.2 (43.8, 84.3)    | 0.0041315 (0.0029555, 0.0056961) | 0.07517 (0.05448, 0.09882) |
| Sulawesi Tengah | Chronic kidney disease                        | 70  | 15.5 (10.2, 22.5)    | 0.0011025 (0.0007237, 0.0015939) | 0.01976 (0.01401, 0.02688) | 15.6 (10.6, 21.6)    | 0.0010564 (0.0007186, 0.0014607) | 0.01923 (0.01345, 0.02598) |
| Sulawesi Tengah | Cirrhosis                                     | 70  | 19.8 (11.5, 30.1)    | 0.0014041 (0.0008160, 0.0021345) | 0.02519 (0.01515, 0.03685) | 15.2 (8.8, 23.4)     | 0.0010263 (0.0005925, 0.0015772) | 0.01866 (0.01101, 0.02801) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 70  | 125.4 (87.5, 170.0)  | 0.0088928 (0.0062054, 0.0120534) | 0.15938 (0.12218, 0.19761) | 93.8 (66.9, 124.5)   | 0.006335 (0.0045174, 0.0084084)  | 0.11529 (0.08442, 0.14880) |
| Sulawesi Tengah | Other non-communicable diseases               | 70  | 66.0 (45.2, 92.0)    | 0.0046781 (0.0032045, 0.0065269) | 0.08378 (0.06250, 0.10839) | 77.1 (56.4, 101.8)   | 0.0052068 (0.0038117, 0.0068791) | 0.09473 (0.07138, 0.12121) |
| Sulawesi Tengah | Drowning                                      | 70  | 1.1 (0.3, 2.6)       | 0.00008 (0.0000233, 0.0001876)   | 0.00144 (0.00045, 0.00331) | 0.7 (0.2, 1.8)       | 0.0000482 (0.0000142, 0.0001191) | 0.00088 (0.00025, 0.00209) |
| Sulawesi Tengah | Falls                                         | 70  | 6.4 (2.8, 11.8)      | 0.0004517 (0.0001973, 0.0008356) | 0.00812 (0.00364, 0.01506) | 4.4 (2.1, 8.0)       | 0.0003001 (0.0001390, 0.0005392) | 0.00547 (0.00253, 0.00980) |
| Sulawesi Tengah | Interpersonal violence                        | 70  | 0.7 (0.3, 1.5)       | 0.0000507 (0.0000186, 0.0001089) | 0.00091 (0.00035, 0.00188) | 0.5 (0.2, 1.0)       | 0.0000306 (0.0000113, 0.0000669) | 0.00056 (0.00021, 0.00128) |
| Sulawesi Tengah | Self-harm                                     | 70  | 1.5 (0.6, 2.9)       | 0.0001029 (0.0000391, 0.0002027) | 0.00184 (0.00071, 0.00368) | 0.7 (0.3, 1.4)       | 0.0000476 (0.0000186, 0.0000945) | 0.00087 (0.00035, 0.00173) |
| Sulawesi Tengah | Transport injuries                            | 70  | 9.0 (4.3, 15.4)      | 0.000635 (0.0003079, 0.0010929)  | 0.01139 (0.00563, 0.01953) | 3.9 (1.8, 7.2)       | 0.0002655 (0.0001230, 0.0004882) | 0.00483 (0.00230, 0.00870) |
| Sulawesi Tengah | Other unintentional injuries                  | 70  | 6.9 (3.4, 12.5)      | 0.0004881 (0.0002382, 0.0008893) | 0.00876 (0.00431, 0.01551) | 3.3 (1.6, 6.3)       | 0.0002213 (0.0001063, 0.0004240) | 0.00402 (0.00202, 0.00740) |
| Sulawesi Tengah | Diarrheal diseases                            | 75  | 27.8 (15.5, 45.3)    | 0.0040246 (0.0022492, 0.0065621) | 0.05176 (0.03131, 0.07653) | 40.7 (26.8, 58.7)    | 0.0052788 (0.0034838, 0.0076177) | 0.06294 (0.04068, 0.09066) |
| Sulawesi Tengah | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.5)       | 0.0000242 (0.0000056, 0.0000676) | 0.00031 (0.00008, 0.00083) | 0.2 (0.0, 0.5)       | 0.0000252 (0.0000065, 0.0000694) | 0.0003 (0.00008, 0.00084)  |
| Sulawesi Tengah | Lower respiratory infections                  | 75  | 26.3 (14.3, 45.5)    | 0.0038094 (0.0020701, 0.0065934) | 0.04897 (0.02771, 0.07871) | 31.4 (18.0, 50.3)    | 0.0040772 (0.0023412, 0.0065323) | 0.04855 (0.02783, 0.07636) |
| Sulawesi Tengah | Malaria                                       | 75  | 2.8 (0.4, 8.7)       | 0.0004028 (0.0000617, 0.0012563) | 0.0052 (0.00085, 0.01541)  | 2.2 (0.4, 6.5)       | 0.0002843 (0.0000488, 0.0008451) | 0.0034 (0.00055, 0.01002)  |
| Sulawesi Tengah | Tuberculosis                                  | 75  | 40.2 (23.4, 62.3)    | 0.0058175 (0.0033824, 0.0090302) | 0.0749 (0.04648, 0.10749)  | 35.0 (20.3, 53.4)    | 0.0045469 (0.0026318, 0.0069316) | 0.05418 (0.03171, 0.08179) |
| Sulawesi Tengah | Other communicable diseases                   | 75  | 9.3 (4.4, 16.4)      | 0.0013422 (0.0006389, 0.0023741) | 0.01731 (0.00889, 0.02945) | 10.3 (5.2, 17.6)     | 0.0013407 (0.0006760, 0.0022897) | 0.01598 (0.00822, 0.02761) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 75  | 2.4 (0.8, 5.5)       | 0.00035 (0.0001125, 0.0008010)   | 0.00451 (0.00144, 0.00976) | 0.9 (0.3, 2.0)       | 0.0001113 (0.0000342, 0.0002608) | 0.00133 (0.00040, 0.00320) |
| Sulawesi Tengah | Breast cancer                                 | 75  | 0.1 (0.0, 0.4)       | 0.000019 (0.0000040, 0.0000570)  | 0.00024 (0.00005, 0.00073) | 4.9 (2.0, 9.5)       | 0.0006383 (0.0002606, 0.0012309) | 0.0076 (0.00319, 0.01446)  |
| Sulawesi Tengah | Cervical cancer                               | 75  |                      |                                  |                            | 2.4 (0.7, 5.7)       | 0.000317 (0.0000956, 0.0007455)  | 0.00378 (0.00116, 0.00877) |
| Sulawesi Tengah | Other malignant neoplasms                     | 75  | 8.1 (4.3, 13.3)      | 0.0011676 (0.0006216, 0.0019303) | 0.01504 (0.00874, 0.02435) | 10.8 (5.5, 19.2)     | 0.0014081 (0.0007178, 0.0024869) | 0.01679 (0.00854, 0.02903) |
| Sulawesi Tengah | Cerebrovascular disease                       | 75  | 111.8 (80.1, 150.3)  | 0.0161994 (0.0116081, 0.0217705) | 0.20856 (0.16805, 0.24848) | 159.3 (128.9, 197.2) | 0.0206826 (0.0167336, 0.0255931) | 0.24658 (0.20319, 0.28805) |
| Sulawesi Tengah | Ischemic heart disease                        | 75  | 82.7 (56.8, 115.7)   | 0.01198 (0.0082310, 0.0167585)   | 0.15444 (0.11215, 0.19937) | 82.6 (59.0, 111.9)   | 0.010721 (0.0076598, 0.0145248)  | 0.12783 (0.09050, 0.17003) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 75  | 31.2 (16.6, 52.7)    | 0.0045202 (0.0024030, 0.0076351) | 0.05821 (0.03367, 0.09380) | 47.4 (27.2, 74.4)    | 0.0061467 (0.0035269, 0.0096561) | 0.07326 (0.04274, 0.11491) |
| Sulawesi Tengah | Diabetes mellitus                             | 75  | 20.2 (13.3, 28.6)    | 0.0029255 (0.0019273, 0.0041413) | 0.03773 (0.02693, 0.05059) | 41.9 (30.0, 56.8)    | 0.0054381 (0.0038917, 0.0073677) | 0.06483 (0.04735, 0.08499) |
| Sulawesi Tengah | Chronic kidney disease                        | 75  | 9.6 (6.2, 14.0)      | 0.0013833 (0.0008944, 0.0020238) | 0.01782 (0.01263, 0.02463) | 11.6 (7.9, 16.1)     | 0.0015027 (0.0010271, 0.0020856) | 0.01792 (0.01262, 0.02447) |
| Sulawesi Tengah | Cirrhosis                                     | 75  | 11.8 (6.7, 17.9)     | 0.0017068 (0.0009656, 0.0025970) | 0.02201 (0.01320, 0.03254) | 10.4 (6.0, 15.8)     | 0.0013465 (0.0007733, 0.0020534) | 0.01604 (0.00923, 0.02456) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 75  | 83.8 (57.3, 115.9)   | 0.012135 (0.0083047, 0.0167920)  | 0.15628 (0.12010, 0.19302) | 74.0 (53.6, 97.5)    | 0.0096042 (0.0069642, 0.0126598) | 0.11453 (0.08382, 0.14760) |
| Sulawesi Tengah | Other non-communicable diseases               | 75  | 51.6 (35.0, 73.5)    | 0.0074698 (0.0050664, 0.0106482) | 0.09615 (0.07279, 0.12257) | 70.6 (52.7, 93.0)    | 0.0091675 (0.0068392, 0.0120678) | 0.1093 (0.08307, 0.13817)  |
| Sulawesi Tengah | Drowning                                      | 75  | 1.0 (0.3, 2.5)       | 0.000151 (0.0000447, 0.0003653)  | 0.00195 (0.00060, 0.00453) | 0.7 (0.2, 1.6)       | 0.0000856 (0.0000253, 0.0002063) | 0.00102 (0.00030, 0.00244) |
| Sulawesi Tengah | Falls                                         | 75  | 5.1 (2.3, 9.2)       | 0.0007381 (0.0003355, 0.0013340) | 0.00952 (0.00444, 0.01715) | 3.7 (1.8, 6.5)       | 0.0004798 (0.0002274, 0.0008423) | 0.00573 (0.00272, 0.01011) |
| Sulawesi Tengah | Interpersonal violence                        | 75  | 0.4 (0.1, 1.0)       | 0.0000546 (0.0000154, 0.0001420) | 0.0007 (0.00020, 0.00174)  | 0.3 (0.1, 0.7)       | 0.0000359 (0.0000106, 0.0000957) | 0.00043 (0.00013, 0.00111) |
| Sulawesi Tengah | Self-harm                                     | 75  | 0.9 (0.3, 2.0)       | 0.0001348 (0.0000480, 0.0002910) | 0.00173 (0.00066, 0.00370) | 0.5 (0.2, 1.2)       | 0.0000695 (0.0000249, 0.0001519) | 0.00083 (0.00031, 0.00180) |
| Sulawesi Tengah | Transport injuries                            | 75  | 4.5 (2.0, 8.4)       | 0.0006502 (0.0002944, 0.0012211) | 0.00836 (0.00386, 0.01482) | 2.1 (0.9, 3.9)       | 0.0002727 (0.0001173, 0.0005114) | 0.00325 (0.00140, 0.00620) |
| Sulawesi Tengah | Other unintentional injuries                  | 75  | 4.4 (2.0, 8.4)       | 0.0006444 (0.0002944, 0.0012233) | 0.0083 (0.00409, 0.01477)  | 2.3 (1.1, 4.4)       | 0.0003034 (0.0001423, 0.0005701) | 0.00362 (0.00169, 0.00677) |
| Sulawesi Tengah | Diarrheal diseases                            | 80  | 76.5 (49.4, 110.6)   | 0.012938 (0.0083511, 0.0187019)  | 0.08766 (0.05898, 0.12132) | 125.6 (89.0, 171.7)  | 0.0165646 (0.0117388, 0.0226376) | 0.09827 (0.06985, 0.13204) |
| Sulawesi Tengah | HIV/AIDS                                      | 80  | 0.3 (0.1, 0.9)       | 0.0000478 (0.0000091, 0.0001563) | 0.00032 (0.00006, 0.00108) | 0.4 (0.1, 1.3)       | 0.000051 (0.0000099, 0.0001658)  | 0.0003 (0.00006, 0.00100)  |
| Sulawesi Tengah | Lower respiratory infections                  | 80  | 50.3 (29.0, 81.7)    | 0.0085101 (0.0049020, 0.0138038) | 0.05765 (0.03258, 0.09167) | 72.9 (42.5, 114.4)   | 0.0096156 (0.0056029, 0.0150826) | 0.05704 (0.03330, 0.08804) |
| Sulawesi Tengah | Malaria                                       | 80  | 5.0 (0.7, 15.7)      | 0.0008453 (0.0001201, 0.0026616) | 0.00574 (0.00089, 0.01789) | 4.4 (0.7, 13.4)      | 0.0005812 (0.0000940, 0.0017640) | 0.00345 (0.00054, 0.01060) |
| Sulawesi Tengah | Tuberculosis                                  | 80  | 59.8 (34.0, 91.2)    | 0.0101134 (0.0057551, 0.0154235) | 0.06856 (0.04084, 0.10176) | 63.8 (36.2, 99.8)    | 0.008415 (0.0047699, 0.0131615)  | 0.0499 (0.02849, 0.07833)  |
| Sulawesi Tengah | Other communicable diseases                   | 80  | 17.7 (8.7, 30.5)     | 0.0029861 (0.0014749, 0.0051509) | 0.02025 (0.01063, 0.03478) | 22.2 (11.1, 38.6)    | 0.0029341 (0.0014648, 0.0050845) | 0.01741 (0.00880, 0.02996) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 80  | 2.8 (0.9, 6.9)       | 0.0004774 (0.0001445, 0.0011639) | 0.00324 (0.00100, 0.00775) | 1.3 (0.4, 3.2)       | 0.000176 (0.0000511, 0.0004201)  | 0.00105 (0.00030, 0.00256) |
| Sulawesi Tengah | Breast cancer                                 | 80  | 0.2 (0.0, 0.5)       | 0.0000263 (0.0000051, 0.0000866) | 0.00018 (0.00003, 0.00059) | 6.0 (2.3, 12.8)      | 0.0007953 (0.0002970, 0.0016884) | 0.00471 (0.00179, 0.00986) |
| Sulawesi Tengah | Cervical cancer                               | 80  |                      |                                  |                            | 2.9 (0.8, 7.1)       | 0.0003763 (0.0001025, 0.0009398) | 0.00223 (0.00061, 0.00554) |
| Sulawesi Tengah | Other malignant neoplasms                     | 80  | 10.6 (5.8, 17.4)     | 0.0017895 (0.0009865, 0.0029441) | 0.01213 (0.00688, 0.02000) | 16.4 (8.3, 28.9)     | 0.0021614 (0.0010933, 0.0038090) | 0.01282 (0.00645, 0.02228) |
| Sulawesi Tengah | Cerebrovascular disease                       | 80  | 178.8 (137.8, 227.3) | 0.0302258 (0.0232965, 0.0384285) | 0.2049 (0.16835, 0.24432)  | 314.3 (256.5, 378.4) | 0.0414532 (0.0338193, 0.0498987) | 0.2459 (0.20350, 0.28849)  |
| Sulawesi Tengah | Ischemic heart disease                        | 80  | 118.7 (83.9, 158.5)  | 0.0200652 (0.0141762, 0.0267925) | 0.13613 (0.09823, 0.17606) | 156.2 (111.4, 207.3) | 0.0205979 (0.0146936, 0.0273320) | 0.12221 (0.08621, 0.16105) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                    |                                  |                            | Females                    |                                  |                            |
|------------------|----------------------------------------------------------|-----|--------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                  |                                                          |     | Deaths (95% UI)          | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tengah  | Other cardiovascular and circulatory diseases            | 80  | 46.8 (25.6, 76.8)        | 0.0079187 (0.0043295, 0.0129836) | 0.05369 (0.03000, 0.08782) | 84.3 (48.6, 134.0)         | 0.0111211 (0.0064068, 0.0176717) | 0.06598 (0.03769, 0.10492) |
| Sulawesi Tengah  | Diabetes mellitus                                        | 80  | 25.5 (17.1, 35.2)        | 0.0043134 (0.0028850, 0.0059578) | 0.02927 (0.02011, 0.04013) | 64.9 (45.9, 89.8)          | 0.0085634 (0.0060495, 0.0118406) | 0.05079 (0.03576, 0.06843) |
| Sulawesi Tengah  | Chronic kidney disease                                   | 80  | 12.4 (8.1, 17.8)         | 0.0020949 (0.0013707, 0.0030076) | 0.01421 (0.00968, 0.02016) | 18.3 (12.2, 25.8)          | 0.0024147 (0.0016104, 0.0034006) | 0.01433 (0.00979, 0.02014) |
| Sulawesi Tengah  | Cirrhosis                                                | 80  | 16.0 (9.0, 23.7)         | 0.002697 (0.0015234, 0.0040082)  | 0.0183 (0.01069, 0.02711)  | 17.2 (9.6, 26.7)           | 0.0022624 (0.0012685, 0.0035177) | 0.01341 (0.00764, 0.02056) |
| Sulawesi Tengah  | Chronic respiratory diseases                             | 80  | 133.2 (97.4, 172.9)      | 0.0225206 (0.0164691, 0.0292248) | 0.15274 (0.11669, 0.18859) | 136.9 (97.1, 180.8)        | 0.0180579 (0.0128052, 0.0238487) | 0.10713 (0.07750, 0.13740) |
| Sulawesi Tengah  | Other non-communicable diseases                          | 80  | 91.0 (65.6, 121.7)       | 0.0153863 (0.0110937, 0.0205676) | 0.10429 (0.07904, 0.13367) | 150.8 (113.7, 195.6)       | 0.019889 (0.0149905, 0.0257936)  | 0.11798 (0.08966, 0.14924) |
| Sulawesi Tengah  | Drowning                                                 | 80  | 1.7 (0.5, 4.4)           | 0.0002833 (0.0000810, 0.0007423) | 0.00192 (0.00055, 0.00500) | 1.3 (0.3, 3.3)             | 0.0001678 (0.0000450, 0.0004363) | 0.00099 (0.00027, 0.00257) |
| Sulawesi Tengah  | Falls                                                    | 80  | 10.7 (5.2, 18.8)         | 0.0018023 (0.0008784, 0.0031741) | 0.01224 (0.00603, 0.02146) | 9.2 (4.7, 15.9)            | 0.0012175 (0.0006255, 0.0020907) | 0.00723 (0.00381, 0.01234) |
| Sulawesi Tengah  | Interpersonal violence                                   | 80  | 0.5 (0.1, 1.3)           | 0.0000762 (0.0000136, 0.0002170) | 0.00052 (0.00009, 0.00150) | 0.4 (0.1, 1.3)             | 0.0000517 (0.0000103, 0.0001675) | 0.00031 (0.00006, 0.00100) |
| Sulawesi Tengah  | Self-harm                                                | 80  | 1.3 (0.4, 3.0)           | 0.0002241 (0.0000744, 0.0005082) | 0.00152 (0.00050, 0.00340) | 0.9 (0.3, 2.1)             | 0.000119 (0.0000377, 0.0002742)  | 0.00071 (0.00023, 0.00163) |
| Sulawesi Tengah  | Transport injuries                                       | 80  | 6.1 (2.6, 11.5)          | 0.0010359 (0.0004431, 0.0019370) | 0.00702 (0.00308, 0.01296) | 3.4 (1.4, 6.6)             | 0.0004509 (0.0001848, 0.0008761) | 0.00267 (0.00109, 0.00516) |
| Sulawesi Tengah  | Other unintentional injuries                             | 80  | 6.5 (2.7, 12.3)          | 0.001107 (0.0004585, 0.0020817)  | 0.00751 (0.00321, 0.01378) | 4.1 (1.7, 7.8)             | 0.0005391 (0.0002285, 0.0010290) | 0.0032 (0.00136, 0.00606)  |
| Sulawesi Tengah  | Diarrheal diseases                                       | All | 569.7 (353.6, 847.4)     | 0.0003911 (0.0002427, 0.0005817) | 0.05438 (0.03548, 0.07657) | 687.1 (450.7, 984.3)       | 0.0004959 (0.0003252, 0.0007103) | 0.07315 (0.04920, 0.10090) |
| Sulawesi Tengah  | HIV/AIDS                                                 | All | 54.3 (16.3, 129.7)       | 0.0000373 (0.0000112, 0.0000891) | 0.0052 (0.00159, 0.01243)  | 36.9 (11.2, 88.7)          | 0.0000266 (0.0000081, 0.0000640) | 0.00393 (0.00129, 0.00951) |
| Sulawesi Tengah  | Lower respiratory infections                             | All | 781.3 (507.2, 1,154.8)   | 0.0005364 (0.0003482, 0.0007928) | 0.07449 (0.05105, 0.10284) | 641.2 (396.9, 935.4)       | 0.0004627 (0.0002864, 0.0006750) | 0.0682 (0.04522, 0.09501)  |
| Sulawesi Tengah  | Malaria                                                  | All | 76.5 (13.3, 219.3)       | 0.0000525 (0.0000091, 0.0001505) | 0.00732 (0.00125, 0.02096) | 52.6 (8.8, 143.0)          | 0.000038 (0.0000064, 0.0001032)  | 0.00562 (0.00093, 0.01471) |
| Sulawesi Tengah  | Tuberculosis                                             | All | 811.6 (534.3, 1,148.2)   | 0.0005572 (0.0003668, 0.0007882) | 0.07771 (0.05273, 0.10680) | 531.8 (330.7, 782.6)       | 0.0003838 (0.0002387, 0.0005647) | 0.05674 (0.03583, 0.08253) |
| Sulawesi Tengah  | Maternal disorders                                       | All |                          |                                  |                            | 98.7 (68.5, 137.9)         | 0.0000712 (0.0000494, 0.0000995) | 0.01052 (0.00744, 0.01412) |
| Sulawesi Tengah  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 338.2 (163.4, 581.6)     | 0.0002322 (0.0001122, 0.0003992) | 0.03203 (0.01656, 0.05194) | 203.7 (99.0, 357.0)        | 0.000147 (0.0000714, 0.0002576)  | 0.02151 (0.01124, 0.03606) |
| Sulawesi Tengah  | Preterm birth complications                              | All | 221.9 (94.6, 418.5)      | 0.0001523 (0.0000649, 0.0002873) | 0.02102 (0.00964, 0.03744) | 183.2 (83.5, 340.7)        | 0.0001322 (0.0000602, 0.0002459) | 0.01935 (0.00916, 0.03435) |
| Sulawesi Tengah  | Other neonatal disorders                                 | All | 260.7 (104.2, 483.3)     | 0.000179 (0.0000715, 0.0003318)  | 0.02472 (0.01007, 0.04480) | 158.4 (59.3, 312.9)        | 0.0001143 (0.0000428, 0.0002258) | 0.01674 (0.00663, 0.03264) |
| Sulawesi Tengah  | Other communicable diseases                              | All | 688.1 (438.6, 994.2)     | 0.0004724 (0.0003011, 0.0006825) | 0.06579 (0.04413, 0.09212) | 534.7 (322.5, 821.4)       | 0.0003859 (0.0002327, 0.0005928) | 0.05689 (0.03622, 0.08355) |
| Sulawesi Tengah  | Tracheal, bronchus, and lung cancer                      | All | 52.8 (17.7, 117.0)       | 0.0000362 (0.0000122, 0.0000803) | 0.00506 (0.00169, 0.01124) | 20.5 (6.6, 47.8)           | 0.0000148 (0.0000048, 0.0000342) | 0.00219 (0.00069, 0.00493) |
| Sulawesi Tengah  | Breast cancer                                            | All | 4.8 (1.4, 11.9)          | 0.0000033 (0.0000010, 0.0000082) | 0.00047 (0.00015, 0.00114) | 223.7 (108.7, 384.5)       | 0.0001614 (0.0000785, 0.0002774) | 0.02384 (0.01207, 0.03982) |
| Sulawesi Tengah  | Cervical cancer                                          | All |                          |                                  |                            | 121.3 (43.1, 244.1)        | 0.0000875 (0.0000311, 0.0001761) | 0.01292 (0.00480, 0.02555) |
| Sulawesi Tengah  | Other malignant neoplasms                                | All | 328.3 (193.4, 517.9)     | 0.0002254 (0.0001328, 0.0003556) | 0.03146 (0.01850, 0.04864) | 238.1 (124.5, 398.7)       | 0.0001718 (0.0000898, 0.0002877) | 0.0254 (0.01390, 0.04234)  |
| Sulawesi Tengah  | Cerebrovascular disease                                  | All | 1,221.5 (902.8, 1,613.0) | 0.0008385 (0.0006198, 0.0011074) | 0.11689 (0.09065, 0.14397) | 1,428.7 (1,140.1, 1,814.2) | 0.001031 (0.0008227, 0.0013092)  | 0.15255 (0.12318, 0.18636) |
| Sulawesi Tengah  | Ischemic heart disease                                   | All | 1,016.3 (717.8, 1,356.7) | 0.0006977 (0.0004928, 0.0009314) | 0.09734 (0.06997, 0.12898) | 770.8 (536.3, 1,050.0)     | 0.0005562 (0.0003870, 0.0007577) | 0.08227 (0.05763, 0.10972) |
| Sulawesi Tengah  | Other cardiovascular and circulatory diseases            | All | 329.0 (175.3, 551.4)     | 0.0002259 (0.0001204, 0.0003785) | 0.03152 (0.01750, 0.05206) | 417.2 (238.4, 670.3)       | 0.0003011 (0.0001721, 0.0004837) | 0.04456 (0.02517, 0.07099) |
| Sulawesi Tengah  | Diabetes mellitus                                        | All | 409.9 (285.2, 561.2)     | 0.0002814 (0.0001958, 0.0003852) | 0.03927 (0.02849, 0.05250) | 624.6 (452.2, 855.8)       | 0.0004507 (0.0003264, 0.0006176) | 0.06666 (0.04862, 0.08877) |
| Sulawesi Tengah  | Chronic kidney disease                                   | All | 208.3 (139.3, 294.1)     | 0.000143 (0.0000956, 0.0002019)  | 0.01995 (0.01392, 0.02747) | 194.4 (133.5, 265.6)       | 0.0001403 (0.0000963, 0.0001917) | 0.02075 (0.01454, 0.02875) |
| Sulawesi Tengah  | Cirrhosis                                                | All | 316.0 (190.8, 472.9)     | 0.0002169 (0.0001310, 0.0003246) | 0.03028 (0.01840, 0.04325) | 199.4 (115.3, 305.5)       | 0.0001439 (0.0000832, 0.0002205) | 0.02126 (0.01245, 0.03181) |
| Sulawesi Tengah  | Chronic respiratory diseases                             | All | 890.2 (612.9, 1,213.8)   | 0.0006111 (0.0004208, 0.0008333) | 0.08526 (0.06078, 0.11109) | 656.9 (449.7, 885.9)       | 0.000474 (0.0003245, 0.0006393)  | 0.07011 (0.04898, 0.09322) |
| Sulawesi Tengah  | Other non-communicable diseases                          | All | 883.0 (660.8, 1,163.9)   | 0.0006062 (0.0004536, 0.0007991) | 0.08435 (0.06801, 0.10387) | 961.7 (726.8, 1,242.8)     | 0.000694 (0.0005245, 0.0008969)  | 0.10247 (0.08173, 0.12453) |
| Sulawesi Tengah  | Drowning                                                 | All | 118.7 (55.6, 209.7)      | 0.0000815 (0.0000382, 0.0001439) | 0.0114 (0.00542, 0.02004)  | 39.1 (15.9, 77.8)          | 0.0000282 (0.0000115, 0.0000562) | 0.00417 (0.00175, 0.00805) |
| Sulawesi Tengah  | Falls                                                    | All | 94.1 (44.8, 163.9)       | 0.0000646 (0.0000307, 0.0001125) | 0.00903 (0.00429, 0.01594) | 50.5 (23.6, 90.4)          | 0.0000364 (0.0000170, 0.0000652) | 0.00539 (0.00254, 0.00980) |
| Sulawesi Tengah  | Interpersonal violence                                   | All | 54.2 (29.3, 91.2)        | 0.0000372 (0.0000201, 0.0000626) | 0.00519 (0.00288, 0.00876) | 35.1 (17.4, 61.6)          | 0.0000253 (0.0000126, 0.0000444) | 0.00374 (0.00189, 0.00645) |
| Sulawesi Tengah  | Self-harm                                                | All | 42.4 (19.8, 79.5)        | 0.0000291 (0.0000136, 0.0000546) | 0.00406 (0.00194, 0.00735) | 22.8 (10.0, 43.7)          | 0.0000165 (0.0000072, 0.0000315) | 0.00243 (0.00109, 0.00461) |
| Sulawesi Tengah  | Transport injuries                                       | All | 430.8 (274.6, 628.3)     | 0.0002995 (0.0001885, 0.0004313) | 0.0413 (0.02662, 0.05879)  | 148.6 (85.1, 231.2)        | 0.0001073 (0.0000614, 0.0001669) | 0.01587 (0.00923, 0.02440) |
| Sulawesi Tengah  | Other unintentional injuries                             | All | 256.0 (149.6, 422.1)     | 0.0001758 (0.0001027, 0.0002898) | 0.02451 (0.01473, 0.03980) | 101.1 (55.5, 179.8)        | 0.0000729 (0.0000401, 0.0001297) | 0.01076 (0.00621, 0.01850) |
| Sulawesi Selatan | Diarrheal diseases                                       | NN  | 25.2 (10.8, 47.2)        | 0.0036591 (0.0015644, 0.0068621) | 0.01248 (0.00817, 0.01814) | 22.3 (9.6, 43.4)           | 0.0033632 (0.0014562, 0.0065613) | 0.01515 (0.00995, 0.02188) |
| Sulawesi Selatan | Lower respiratory infections                             | NN  | 265.3 (131.0, 441.8)     | 0.03854 (0.0190296, 0.0641964)   | 0.13125 (0.10654, 0.16020) | 166.3 (79.7, 288.1)        | 0.0251198 (0.0120429, 0.0435190) | 0.11317 (0.09137, 0.13960) |
| Sulawesi Selatan | Malaria                                                  | NN  | 1.1 (0.2, 3.3)           | 0.0001628 (0.0000353, 0.0004815) | 0.00055 (0.00017, 0.00137) | 0.7 (0.2, 1.9)             | 0.0001026 (0.0000254, 0.0002884) | 0.00047 (0.00014, 0.00118) |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 573.2 (274.3, 952.8)     | 0.0832834 (0.0398486, 0.1384376) | 0.28315 (0.22536, 0.34095) | 398.9 (187.3, 690.0)       | 0.0602445 (0.0282903, 0.1042234) | 0.27178 (0.21448, 0.32906) |
| Sulawesi Selatan | Preterm birth complications                              | NN  | 362.3 (162.3, 628.5)     | 0.0526344 (0.0235862, 0.0913249) | 0.17895 (0.12619, 0.23469) | 334.9 (157.4, 616.2)       | 0.050589 (0.0237688, 0.0930777)  | 0.22845 (0.16805, 0.28775) |
| Sulawesi Selatan | Other neonatal disorders                                 | NN  | 409.9 (177.4, 721.7)     | 0.0595594 (0.0257797, 0.1048564) | 0.20248 (0.13195, 0.27212) | 275.3 (119.8, 511.9)       | 0.0415772 (0.0180935, 0.0773124) | 0.1878 (0.12178, 0.25804)  |
| Sulawesi Selatan | Other communicable diseases                              | NN  | 34.4 (14.7, 64.5)        | 0.004995 (0.0021359, 0.0093746)  | 0.01705 (0.01128, 0.02492) | 21.5 (8.9, 42.2)           | 0.003252 (0.0013483, 0.0063683)  | 0.01463 (0.00953, 0.02162) |
| Sulawesi Selatan | Other malignant neoplasms                                | NN  | 17.5 (7.0, 32.5)         | 0.0025386 (0.0010224, 0.0047156) | 0.00867 (0.00509, 0.01322) | 13.7 (5.3, 27.4)           | 0.0020646 (0.0008004, 0.0041331) | 0.0093 (0.00539, 0.01474)  |
| Sulawesi Selatan | Cerebrovascular disease                                  | NN  | 1.9 (0.5, 4.9)           | 0.0002695 (0.0000702, 0.0007080) | 0.00091 (0.00030, 0.00200) | 1.9 (0.5, 4.7)             | 0.000286 (0.0000797, 0.0007167)  | 0.0013 (0.00042, 0.00282)  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | NN  | 1.6 (0.4, 4.3)           | 0.0002367 (0.0000540, 0.0006243) | 0.00081 (0.00025, 0.00192) | 1.7 (0.4, 4.6)             | 0.00026 (0.0000634, 0.0006954)   | 0.00118 (0.00037, 0.00292) |
| Sulawesi Selatan | Diabetes mellitus                                        | NN  | 0.9 (0.0, 6.7)           | 0.0001276 (0.0000006, 0.0009713) | 0.00043 (0.00000, 0.00312) | 1.1 (0.0, 7.8)             | 0.0001617 (0.0000009, 0.0011795) | 0.00072 (0.00000, 0.00534) |
| Sulawesi Selatan | Other non-communicable diseases                          | NN  | 211.4 (108.0, 339.9)     | 0.0307097 (0.0156903, 0.0493830) | 0.10451 (0.09199, 0.11871) | 190.5 (97.2, 322.7)        | 0.0287788 (0.0146814, 0.0487360) | 0.12992 (0.11534, 0.14594) |
| Sulawesi Selatan | Drowning                                                 | NN  | 34.4 (13.3, 67.1)        | 0.0049939 (0.0019295, 0.0097488) | 0.01701 (0.00945, 0.02769) | 9.4 (3.3, 19.8)            | 0.0014164 (0.0004956, 0.0029980) | 0.0064 (0.00314, 0.01131)  |
| Sulawesi Selatan | Falls                                                    | NN  | 11.2 (4.0, 23.9)         | 0.0016247 (0.0005814, 0.0034717) | 0.00551 (0.00271, 0.00970) | 4.1 (1.3, 9.4)             | 0.0006213 (0.0001961, 0.0014250) | 0.00279 (0.00124, 0.00536) |
| Sulawesi Selatan | Interpersonal violence                                   | NN  | 6.6 (1.9, 14.8)          | 0.0009585 (0.0002833, 0.0021576) | 0.00327 (0.00136, 0.00650) | 3.9 (1.2, 9.5)             | 0.0005948 (0.0001828, 0.0014381) | 0.00268 (0.00103, 0.00544) |
| Sulawesi Selatan | Transport injuries                                       | NN  | 27.3 (10.5, 54.0)        | 0.0039658 (0.0015271, 0.0078448) | 0.01351 (0.00770, 0.02153) | 7.3 (2.6, 14.8)            | 0.0011027 (0.0003995, 0.0022290) | 0.00498 (0.00266, 0.00823) |
| Sulawesi Selatan | Other unintentional injuries                             | NN  | 39.6 (16.0, 78.0)        | 0.0057472 (0.0023188, 0.0113401) | 0.01948 (0.01191, 0.02959) | 13.7 (5.4, 28.3)           | 0.0020677 (0.0008158, 0.0042780) | 0.00929 (0.00554, 0.01450) |
| Sulawesi Selatan | Diarrheal diseases                                       | PNN | 315.9 (154.7, 534.7)     | 0.0036776 (0.0018004, 0.0062247) | 0.2043 (0.16380, 0.24768)  | 349.7 (168.8, 593.5)       | 0.0042316 (0.0020428, 0.0071823) | 0.26346 (0.21683, 0.31671) |
| Sulawesi Selatan | HIV/AIDS                                                 | PNN | 12.4 (4.1, 30.4)         | 0.0001445 (0.0000478, 0.0003540) | 0.00801 (0.00337, 0.01615) | 9.3 (2.9, 22.0)            | 0.0001125 (0.0000354, 0.0002662) | 0.007 (0.00268, 0.01469)   |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Deaths (95% UI)      | Males                            |                            |  | Deaths (95% UI)      | Females                          |                            |  |
|------------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--|----------------------|----------------------------------|----------------------------|--|
|                  |                                                          |     |                      | CSMR (95% UI)                    | CF (95% UI)                |  |                      | CSMR (95% UI)                    | CF (95% UI)                |  |
| Sulawesi Selatan | Lower respiratory infections                             | PNN | 298.4 (144.9, 501.3) | 0.0034731 (0.0016873, 0.0058360) | 0.19275 (0.16469, 0.22140) |  | 226.4 (109.3, 384.0) | 0.0027394 (0.0013227, 0.0046464) | 0.17046 (0.14302, 0.19975) |  |
| Sulawesi Selatan | Malaria                                                  | PNN | 13.6 (3.5, 37.2)     | 0.000158 (0.0000410, 0.0004329)  | 0.00877 (0.00283, 0.02064) |  | 10.5 (2.9, 26.3)     | 0.0001265 (0.0000346, 0.0003180) | 0.00793 (0.00254, 0.01782) |  |
| Sulawesi Selatan | Tuberculosis                                             | PNN | 38.9 (16.7, 70.9)    | 0.0004528 (0.0001939, 0.0008249) | 0.02508 (0.01726, 0.03564) |  | 30.1 (12.7, 56.5)    | 0.0003645 (0.0001541, 0.0006834) | 0.02267 (0.01465, 0.03298) |  |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 21.2 (6.0, 49.3)     | 0.0002472 (0.0000698, 0.0005742) | 0.01366 (0.00478, 0.03050) |  | 16.7 (4.8, 40.7)     | 0.0002015 (0.0000586, 0.0004927) | 0.01256 (0.00434, 0.02765) |  |
| Sulawesi Selatan | Preterm birth complications                              | PNN | 29.5 (10.7, 64.1)    | 0.0003429 (0.0001246, 0.0007465) | 0.01902 (0.00929, 0.03575) |  | 35.0 (12.4, 76.1)    | 0.0004235 (0.0001505, 0.0009205) | 0.02638 (0.01272, 0.04760) |  |
| Sulawesi Selatan | Other neonatal disorders                                 | PNN | 60.1 (19.6, 136.0)   | 0.0006993 (0.0002282, 0.0015834) | 0.0389 (0.01555, 0.07900)  |  | 46.7 (14.3, 114.9)   | 0.0005649 (0.0001728, 0.0013907) | 0.0352 (0.01467, 0.07109)  |  |
| Sulawesi Selatan | Other communicable diseases                              | PNN | 476.5 (232.2, 803.5) | 0.0055466 (0.0027032, 0.0093536) | 0.30825 (0.26156, 0.35600) |  | 374.3 (178.8, 645.1) | 0.00453 (0.0021639, 0.0078066)   | 0.28147 (0.23341, 0.33170) |  |
| Sulawesi Selatan | Other malignant neoplasms                                | PNN | 12.5 (5.0, 24.0)     | 0.000146 (0.0000584, 0.0002793)  | 0.0081 (0.00479, 0.01235)  |  | 11.8 (4.8, 23.5)     | 0.0001427 (0.0000579, 0.0002840) | 0.00884 (0.00514, 0.01391) |  |
| Sulawesi Selatan | Cerebrovascular disease                                  | PNN | 1.3 (0.4, 3.3)       | 0.0000154 (0.0000042, 0.0000390) | 0.00085 (0.00028, 0.00186) |  | 1.6 (0.4, 4.2)       | 0.0000199 (0.0000052, 0.0000503) | 0.00124 (0.00040, 0.00269) |  |
| Sulawesi Selatan | Ischemic heart disease                                   | PNN | 1.3 (0.1, 5.4)       | 0.0000151 (0.0000010, 0.0000628) | 0.00084 (0.00006, 0.00378) |  | 1.6 (0.1, 7.8)       | 0.0000195 (0.0000014, 0.0000938) | 0.00121 (0.00010, 0.00543) |  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | PNN | 1.2 (0.3, 2.9)       | 0.0000135 (0.0000033, 0.0000333) | 0.00075 (0.00024, 0.00177) |  | 1.5 (0.4, 4.1)       | 0.0000179 (0.0000046, 0.0000493) | 0.00111 (0.00035, 0.00277) |  |
| Sulawesi Selatan | Diabetes mellitus                                        | PNN | 0.6 (0.0, 4.9)       | 0.0000074 (0.0000000, 0.0000576) | 0.0004 (0.00000, 0.00296)  |  | 1.0 (0.0, 8.2)       | 0.0000116 (0.0000001, 0.0000992) | 0.00069 (0.00000, 0.00512) |  |
| Sulawesi Selatan | Chronic kidney disease                                   | PNN | 12.1 (4.7, 25.6)     | 0.0001412 (0.0000552, 0.0002983) | 0.00787 (0.00409, 0.01402) |  | 10.5 (3.8, 22.1)     | 0.0001276 (0.0000464, 0.0002680) | 0.00795 (0.00400, 0.01431) |  |
| Sulawesi Selatan | Other non-communicable diseases                          | PNN | 149.8 (74.2, 248.7)  | 0.0017436 (0.0008642, 0.0028955) | 0.09687 (0.08443, 0.11081) |  | 162.6 (78.4, 282.7)  | 0.0019678 (0.0009483, 0.0034204) | 0.12242 (0.10664, 0.13865) |  |
| Sulawesi Selatan | Drowning                                                 | PNN | 30.1 (13.2, 57.6)    | 0.0003507 (0.0001531, 0.0006704) | 0.01951 (0.01139, 0.03046) |  | 9.9 (3.5, 19.1)      | 0.0001194 (0.0000422, 0.0002312) | 0.00744 (0.00387, 0.01261) |  |
| Sulawesi Selatan | Falls                                                    | PNN | 9.4 (3.6, 19.9)      | 0.0001097 (0.0000414, 0.0002312) | 0.00607 (0.00305, 0.01046) |  | 4.1 (1.5, 9.2)       | 0.0000501 (0.0000176, 0.0001108) | 0.00311 (0.00143, 0.00579) |  |
| Sulawesi Selatan | Interpersonal violence                                   | PNN | 5.5 (1.7, 12.4)      | 0.0000636 (0.0000199, 0.0001443) | 0.00353 (0.00150, 0.00682) |  | 3.9 (1.2, 9.3)       | 0.000047 (0.0000145, 0.0001128)  | 0.00293 (0.00119, 0.00582) |  |
| Sulawesi Selatan | Transport injuries                                       | PNN | 23.7 (9.4, 43.4)     | 0.0002756 (0.0001097, 0.0005052) | 0.01532 (0.00921, 0.02383) |  | 7.6 (2.8, 14.6)      | 0.0000919 (0.0000339, 0.0001771) | 0.00572 (0.00320, 0.00908) |  |
| Sulawesi Selatan | Other unintentional injuries                             | PNN | 32.9 (14.0, 63.0)    | 0.0003824 (0.0001630, 0.0007328) | 0.02112 (0.01327, 0.03096) |  | 13.6 (5.6, 27.2)     | 0.0001649 (0.0000673, 0.0003297) | 0.0102 (0.00629, 0.01548)  |  |
| Sulawesi Selatan | Diarrheal diseases                                       | 1   | 65.6 (23.5, 129.2)   | 0.0001852 (0.0000664, 0.0003648) | 0.10773 (0.08002, 0.14216) |  | 68.9 (29.2, 136.1)   | 0.0002003 (0.0000848, 0.0003957) | 0.15002 (0.11451, 0.19478) |  |
| Sulawesi Selatan | HIV/AIDS                                                 | 1   | 5.8 (1.5, 15.0)      | 0.0000165 (0.0000043, 0.0000423) | 0.00954 (0.00371, 0.01940) |  | 4.3 (1.2, 10.9)      | 0.0000124 (0.0000034, 0.0000316) | 0.00928 (0.00362, 0.01882) |  |
| Sulawesi Selatan | Lower respiratory infections                             | 1   | 136.6 (53.5, 273.5)  | 0.0003856 (0.0001509, 0.0007721) | 0.22423 (0.19389, 0.25366) |  | 101.7 (43.9, 203.6)  | 0.0002955 (0.0001276, 0.0005917) | 0.22127 (0.18607, 0.25494) |  |
| Sulawesi Selatan | Malaria                                                  | 1   | 2.3 (0.5, 6.4)       | 0.0000064 (0.0000015, 0.0000181) | 0.00373 (0.00120, 0.00887) |  | 1.7 (0.4, 4.4)       | 0.0000049 (0.0000013, 0.0000129) | 0.00366 (0.00119, 0.00807) |  |
| Sulawesi Selatan | Tuberculosis                                             | 1   | 19.1 (7.2, 39.8)     | 0.0000538 (0.0000205, 0.0001123) | 0.03144 (0.02027, 0.04322) |  | 14.5 (5.9, 30.2)     | 0.0000422 (0.0000172, 0.0000877) | 0.0317 (0.02069, 0.04508)  |  |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 5.2 (1.1, 14.6)      | 0.0000146 (0.0000031, 0.0000413) | 0.00854 (0.00268, 0.02047) |  | 3.7 (0.9, 9.7)       | 0.0000109 (0.0000025, 0.0000282) | 0.00818 (0.00254, 0.01946) |  |
| Sulawesi Selatan | Preterm birth complications                              | 1   | 1.4 (0.2, 4.9)       | 0.0000039 (0.0000007, 0.0000139) | 0.00228 (0.00053, 0.00713) |  | 1.5 (0.3, 5.1)       | 0.0000044 (0.0000008, 0.0000149) | 0.0033 (0.00076, 0.01007)  |  |
| Sulawesi Selatan | Other neonatal disorders                                 | 1   | 2.3 (0.0, 15.6)      | 0.0000066 (0.0000000, 0.0000441) | 0.00376 (0.00004, 0.02393) |  | 1.6 (0.0, 10.8)      | 0.0000047 (0.0000000, 0.0000313) | 0.00348 (0.00004, 0.02646) |  |
| Sulawesi Selatan | Other communicable diseases                              | 1   | 201.0 (79.0, 395.4)  | 0.0005675 (0.0002231, 0.0011161) | 0.33032 (0.28763, 0.37560) |  | 153.6 (67.4, 295.2)  | 0.0004465 (0.0001959, 0.0008580) | 0.3347 (0.28697, 0.38352)  |  |
| Sulawesi Selatan | Other malignant neoplasms                                | 1   | 3.7 (1.3, 8.1)       | 0.0000104 (0.0000036, 0.0000229) | 0.00602 (0.00350, 0.00972) |  | 3.8 (1.4, 8.1)       | 0.0000109 (0.0000039, 0.0000236) | 0.00813 (0.00470, 0.01301) |  |
| Sulawesi Selatan | Cerebrovascular disease                                  | 1   | 0.4 (0.1, 1.2)       | 0.0000012 (0.0000003, 0.0000033) | 0.00069 (0.00022, 0.00156) |  | 0.6 (0.1, 1.6)       | 0.0000017 (0.0000004, 0.0000047) | 0.00124 (0.00041, 0.00272) |  |
| Sulawesi Selatan | Ischemic heart disease                                   | 1   | 0.4 (0.0, 1.8)       | 0.0000012 (0.0000001, 0.0000050) | 0.0007 (0.00005, 0.00318)  |  | 0.6 (0.0, 2.5)       | 0.0000016 (0.0000001, 0.0000072) | 0.00123 (0.00010, 0.00579) |  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | 1   | 0.3 (0.1, 1.0)       | 0.000001 (0.0000002, 0.0000028)  | 0.00057 (0.00016, 0.00139) |  | 0.5 (0.1, 1.4)       | 0.0000014 (0.0000003, 0.0000040) | 0.00105 (0.00033, 0.00247) |  |
| Sulawesi Selatan | Diabetes mellitus                                        | 1   | 0.2 (0.0, 1.3)       | 0.0000005 (0.0000000, 0.0000038) | 0.0003 (0.00000, 0.00220)  |  | 0.3 (0.0, 2.3)       | 0.0000009 (0.0000000, 0.0000066) | 0.00064 (0.00000, 0.00465) |  |
| Sulawesi Selatan | Chronic kidney disease                                   | 1   | 3.5 (1.0, 8.1)       | 0.0000098 (0.0000028, 0.0000230) | 0.00565 (0.00278, 0.01047) |  | 3.3 (1.1, 7.5)       | 0.0000095 (0.0000031, 0.0000219) | 0.00707 (0.00354, 0.01309) |  |
| Sulawesi Selatan | Cirrhosis                                                | 1   | 5.7 (1.8, 14.6)      | 0.0000162 (0.0000050, 0.0000413) | 0.00936 (0.00407, 0.01779) |  | 3.6 (1.1, 8.8)       | 0.0000105 (0.0000032, 0.0000256) | 0.00779 (0.00340, 0.01531) |  |
| Sulawesi Selatan | Chronic respiratory diseases                             | 1   | 12.4 (4.0, 26.6)     | 0.0000349 (0.0000112, 0.0000751) | 0.02047 (0.01041, 0.03317) |  | 5.5 (1.7, 12.1)      | 0.000016 (0.0000050, 0.0000351)  | 0.01209 (0.00566, 0.02157) |  |
| Sulawesi Selatan | Other non-communicable diseases                          | 1   | 44.0 (17.2, 87.6)    | 0.0001242 (0.0000486, 0.0002472) | 0.07214 (0.05719, 0.08769) |  | 51.8 (22.7, 102.0)   | 0.0001506 (0.0000660, 0.0002965) | 0.11273 (0.09506, 0.13092) |  |
| Sulawesi Selatan | Drowning                                                 | 1   | 36.9 (12.5, 74.1)    | 0.0001041 (0.0000352, 0.0002093) | 0.06071 (0.04083, 0.08587) |  | 12.5 (4.5, 25.7)     | 0.0000363 (0.0000130, 0.0000746) | 0.02726 (0.01598, 0.03407) |  |
| Sulawesi Selatan | Falls                                                    | 1   | 8.1 (2.6, 18.0)      | 0.0000227 (0.0000074, 0.0000507) | 0.01323 (0.00684, 0.02170) |  | 3.6 (1.2, 8.2)       | 0.0000106 (0.0000035, 0.0000239) | 0.00792 (0.00369, 0.01386) |  |
| Sulawesi Selatan | Interpersonal violence                                   | 1   | 3.9 (1.1, 9.3)       | 0.0000109 (0.0000031, 0.0000263) | 0.00634 (0.00271, 0.01189) |  | 2.8 (0.9, 6.5)       | 0.0000081 (0.0000026, 0.0000188) | 0.00614 (0.00258, 0.01126) |  |
| Sulawesi Selatan | Transport injuries                                       | 1   | 26.0 (8.9, 54.4)     | 0.0000734 (0.0000252, 0.0001534) | 0.04263 (0.02565, 0.06359) |  | 8.6 (3.0, 17.7)      | 0.000025 (0.0000088, 0.0000516)  | 0.01874 (0.01040, 0.02906) |  |
| Sulawesi Selatan | Other unintentional injuries                             | 1   | 24.1 (8.9, 51.4)     | 0.0000679 (0.0000251, 0.0001451) | 0.03964 (0.02533, 0.05629) |  | 10.3 (3.9, 22.0)     | 0.0000299 (0.0000114, 0.0000638) | 0.0224 (0.01355, 0.03448)  |  |
| Sulawesi Selatan | Diarrheal diseases                                       | 5   | 28.3 (18.6, 40.9)    | 0.00006 (0.0000396, 0.0000868)   | 0.07737 (0.05542, 0.10191) |  | 27.9 (19.5, 38.4)    | 0.0000632 (0.0000442, 0.0000869) | 0.11467 (0.08320, 0.14954) |  |
| Sulawesi Selatan | HIV/AIDS                                                 | 5   | 1.9 (0.5, 4.8)       | 0.000004 (0.0000011, 0.0000101)  | 0.0051 (0.00138, 0.01243)  |  | 1.3 (0.4, 3.0)       | 0.0000029 (0.0000008, 0.0000069) | 0.00516 (0.00147, 0.01248) |  |
| Sulawesi Selatan | Lower respiratory infections                             | 5   | 40.8 (28.7, 57.0)    | 0.0000866 (0.0000609, 0.0001210) | 0.11141 (0.08628, 0.13699) |  | 28.1 (20.3, 38.3)    | 0.0000636 (0.0000461, 0.0000868) | 0.11537 (0.08747, 0.14437) |  |
| Sulawesi Selatan | Malaria                                                  | 5   | 1.0 (0.3, 2.3)       | 0.000002 (0.0000007, 0.0000048)  | 0.00265 (0.00088, 0.00586) |  | 0.7 (0.2, 1.5)       | 0.0000015 (0.0000005, 0.0000034) | 0.00276 (0.00095, 0.00625) |  |
| Sulawesi Selatan | Tuberculosis                                             | 5   | 8.1 (5.0, 12.4)      | 0.0000173 (0.0000105, 0.0000264) | 0.00102 (0.01460, 0.03186) |  | 5.7 (3.6, 8.5)       | 0.000013 (0.0000083, 0.0000192)  | 0.02351 (0.01543, 0.03404) |  |
| Sulawesi Selatan | Other communicable diseases                              | 5   | 86.3 (63.7, 113.8)   | 0.0001832 (0.0001352, 0.0002415) | 0.23565 (0.20040, 0.27242) |  | 61.7 (47.7, 78.7)    | 0.0001398 (0.0001081, 0.0001783) | 0.25355 (0.21360, 0.29693) |  |
| Sulawesi Selatan | Other malignant neoplasms                                | 5   | 12.8 (7.7, 19.7)     | 0.0000272 (0.0000163, 0.0000419) | 0.03507 (0.02278, 0.05102) |  | 12.4 (7.8, 18.5)     | 0.000028 (0.0000177, 0.0000418)  | 0.05083 (0.03428, 0.07145) |  |
| Sulawesi Selatan | Cerebrovascular disease                                  | 5   | 1.0 (0.5, 2.0)       | 0.0000022 (0.0000010, 0.0000042) | 0.00285 (0.00140, 0.00517) |  | 1.3 (0.7, 2.3)       | 0.000003 (0.0000015, 0.0000052)  | 0.00542 (0.00270, 0.00934) |  |
| Sulawesi Selatan | Ischemic heart disease                                   | 5   | 1.2 (0.5, 2.6)       | 0.0000025 (0.0000010, 0.0000054) | 0.00322 (0.00131, 0.00667) |  | 1.5 (0.6, 2.9)       | 0.0000033 (0.0000013, 0.0000065) | 0.00606 (0.00250, 0.01138) |  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | 5   | 1.0 (0.4, 2.0)       | 0.000002 (0.0000008, 0.0000042)  | 0.00263 (0.00114, 0.00537) |  | 1.2 (0.5, 2.4)       | 0.0000028 (0.0000012, 0.0000054) | 0.00504 (0.00240, 0.00977) |  |
| Sulawesi Selatan | Diabetes mellitus                                        | 5   | 1.2 (0.4, 2.9)       | 0.0000026 (0.0000009, 0.0000061) | 0.00341 (0.00133, 0.00740) |  | 1.9 (0.8, 4.2)       | 0.0000044 (0.0000017, 0.0000094) | 0.00793 (0.00325, 0.01732) |  |
| Sulawesi Selatan | Chronic kidney disease                                   | 5   | 4.2 (2.1, 7.7)       | 0.0000088 (0.0000044, 0.0000164) | 0.01135 (0.00591, 0.01926) |  | 3.7 (1.9, 6.6)       | 0.0000084 (0.0000044, 0.0000149) | 0.01527 (0.00811, 0.02609) |  |
| Sulawesi Selatan | Cirrhosis                                                | 5   | 8.7 (4.7, 14.3)      | 0.0000186 (0.0000101, 0.0000304) | 0.02391 (0.01363, 0.03667) |  | 5.2 (2.9, 8.4)       | 0.0000119 (0.0000066, 0.0000191) | 0.02154 (0.01234, 0.03422) |  |
| Sulawesi Selatan | Chronic respiratory diseases                             | 5   | 6.0 (3.1, 10.4)      | 0.0000127 (0.0000066, 0.0000220) | 0.01634 (0.00932, 0.02661) |  | 2.5 (1.2, 4.3)       | 0.0000056 (0.0000028, 0.0000097) | 0.01018 (0.00537, 0.01702) |  |
| Sulawesi Selatan | Other non-communicable diseases                          | 5   | 23.6 (16.0, 32.8)    | 0.0000501 (0.0000339, 0.0000697) | 0.06442 (0.04892, 0.08292) |  | 26.2 (19.0, 34.7)    | 0.0000594 (0.0000431, 0.0000787) | 0.10772 (0.08455, 0.13312) |  |
| Sulawesi Selatan | Drowning                                                 | 5   | 69.3 (47.7, 95.4)    | 0.0001471 (0.0001012, 0.0002025) | 0.18932 (0.14391, 0.23808) |  | 30.2 (20.3, 41.6)    | 0.0000683 (0.0000461, 0.0000943) | 0.12396 (0.08630, 0.16394) |  |
| Sulawesi Selatan | Falls                                                    | 5   | 8.1 (4.4, 13.9)      | 0.0000172 (0.0000093, 0.0000295) | 0.02206 (0.01283, 0.03489) |  | 4.2 (2.3, 7.2)       | 0.0000096 (0.0000052, 0.0000163) | 0.01735 (0.00963, 0.02864) |  |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Interpersonal violence                        | 5   | 1.7 (0.7, 3.7)       | 0.000037 (0.000015, 0.000078)    | 0.00473 (0.00211, 0.00932) | 1.5 (0.6, 2.9)    | 0.000033 (0.000015, 0.000065)    | 0.00602 (0.00281, 0.01145) |
| Sulawesi Selatan | Transport injuries                            | 5   | 48.3 (32.1, 70.5)    | 0.0001024 (0.0000682, 0.0001496) | 0.13185 (0.09623, 0.17147) | 19.9 (12.9, 29.6) | 0.0000452 (0.0000291, 0.0000670) | 0.08195 (0.05447, 0.11375) |
| Sulawesi Selatan | Other unintentional injuries                  | 5   | 12.6 (7.9, 19.4)     | 0.0000267 (0.0000167, 0.0000412) | 0.03442 (0.02276, 0.05020) | 6.3 (3.8, 9.6)    | 0.0000142 (0.0000087, 0.0000218) | 0.0257 (0.01652, 0.03785)  |
| Sulawesi Selatan | Diarrheal diseases                            | 10  | 14.5 (9.4, 21.3)     | 0.0000317 (0.0000205, 0.0000467) | 0.03973 (0.02635, 0.05577) | 13.5 (8.7, 20.1)  | 0.0000306 (0.0000199, 0.0000457) | 0.0598 (0.04013, 0.08392)  |
| Sulawesi Selatan | HIV/AIDS                                      | 10  | 1.9 (0.7, 4.0)       | 0.0000042 (0.0000015, 0.0000088) | 0.00522 (0.00202, 0.01079) | 1.3 (0.5, 2.6)    | 0.0000029 (0.0000011, 0.0000058) | 0.00557 (0.00216, 0.01160) |
| Sulawesi Selatan | Lower respiratory infections                  | 10  | 28.2 (19.6, 37.5)    | 0.0000617 (0.0000429, 0.0000821) | 0.07723 (0.05886, 0.09891) | 18.0 (13.0, 23.8) | 0.0000411 (0.0000296, 0.0000542) | 0.08015 (0.06058, 0.10370) |
| Sulawesi Selatan | Malaria                                       | 10  | 2.0 (0.9, 4.1)       | 0.0000043 (0.0000019, 0.0000090) | 0.00542 (0.00240, 0.01085) | 1.4 (0.6, 2.7)    | 0.0000031 (0.0000014, 0.0000062) | 0.00606 (0.00270, 0.01198) |
| Sulawesi Selatan | Tuberculosis                                  | 10  | 19.4 (13.7, 26.8)    | 0.0000424 (0.0000300, 0.0000587) | 0.05302 (0.03885, 0.06963) | 13.6 (9.6, 18.4)  | 0.000031 (0.0000219, 0.0000419)  | 0.06046 (0.04465, 0.07908) |
| Sulawesi Selatan | Maternal disorders                            | 10  |                      |                                  |                            | 0.8 (0.1, 2.0)    | 0.0000018 (0.0000003, 0.0000046) | 0.00343 (0.00061, 0.00884) |
| Sulawesi Selatan | Other communicable diseases                   | 10  | 68.3 (53.6, 85.7)    | 0.0001496 (0.0001174, 0.0001876) | 0.18716 (0.15880, 0.21619) | 44.3 (34.9, 55.5) | 0.0001009 (0.0000793, 0.0001262) | 0.19675 (0.16625, 0.22894) |
| Sulawesi Selatan | Other malignant neoplasms                     | 10  | 18.9 (13.4, 25.7)    | 0.0000414 (0.0000294, 0.0000564) | 0.0518 (0.03848, 0.06719)  | 18.1 (13.2, 24.1) | 0.0000412 (0.0000301, 0.0000548) | 0.08049 (0.06173, 0.10077) |
| Sulawesi Selatan | Cerebrovascular disease                       | 10  | 1.8 (1.0, 2.8)       | 0.0000038 (0.0000023, 0.0000062) | 0.0048 (0.00289, 0.00749)  | 2.1 (1.2, 3.3)    | 0.0000047 (0.0000028, 0.0000074) | 0.00914 (0.00564, 0.01397) |
| Sulawesi Selatan | Ischemic heart disease                        | 10  | 2.9 (1.7, 4.8)       | 0.0000064 (0.0000038, 0.0000104) | 0.00805 (0.00491, 0.01240) | 3.4 (2.1, 5.3)    | 0.0000078 (0.0000048, 0.0000120) | 0.01531 (0.00972, 0.02301) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 10  | 1.5 (0.8, 2.5)       | 0.0000032 (0.0000017, 0.0000055) | 0.00403 (0.00229, 0.00672) | 1.8 (1.0, 3.0)    | 0.0000041 (0.0000023, 0.0000068) | 0.00802 (0.00467, 0.01305) |
| Sulawesi Selatan | Diabetes mellitus                             | 10  | 1.8 (0.9, 3.1)       | 0.0000039 (0.0000021, 0.0000069) | 0.00493 (0.00271, 0.00833) | 2.7 (1.5, 4.6)    | 0.0000062 (0.0000033, 0.0000104) | 0.01203 (0.00661, 0.02004) |
| Sulawesi Selatan | Chronic kidney disease                        | 10  | 5.9 (3.6, 8.9)       | 0.0000129 (0.0000079, 0.0000194) | 0.01618 (0.01009, 0.02342) | 5.2 (3.3, 8.0)    | 0.0000119 (0.0000075, 0.0000181) | 0.02313 (0.01508, 0.03291) |
| Sulawesi Selatan | Cirrhosis                                     | 10  | 10.3 (6.8, 14.6)     | 0.0000225 (0.0000150, 0.0000321) | 0.02814 (0.01958, 0.03894) | 5.8 (3.8, 8.5)    | 0.0000132 (0.0000087, 0.0000193) | 0.02568 (0.01712, 0.03650) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 10  | 11.7 (7.6, 17.1)     | 0.0000256 (0.0000165, 0.0000374) | 0.03197 (0.02170, 0.04507) | 5.1 (3.0, 8.0)    | 0.0000115 (0.0000068, 0.0000182) | 0.02246 (0.01391, 0.03481) |
| Sulawesi Selatan | Other non-communicable diseases               | 10  | 28.1 (21.5, 35.8)    | 0.0000616 (0.0000471, 0.0000783) | 0.07707 (0.06352, 0.09265) | 29.4 (22.9, 37.2) | 0.0000668 (0.0000522, 0.0000847) | 0.13038 (0.10927, 0.15399) |
| Sulawesi Selatan | Drowning                                      | 10  | 40.4 (26.6, 56.9)    | 0.0000884 (0.0000582, 0.0001246) | 0.1105 (0.07746, 0.14831)  | 13.5 (7.8, 21.0)  | 0.0000306 (0.0000178, 0.0000478) | 0.05971 (0.03658, 0.08982) |
| Sulawesi Selatan | Falls                                         | 10  | 7.8 (4.2, 13.2)      | 0.000017 (0.0000092, 0.0000289)  | 0.02123 (0.01186, 0.03536) | 3.4 (1.7, 6.0)    | 0.0000076 (0.0000039, 0.0000136) | 0.01489 (0.00802, 0.02620) |
| Sulawesi Selatan | Interpersonal violence                        | 10  | 2.9 (1.6, 4.9)       | 0.0000063 (0.0000035, 0.0000107) | 0.00786 (0.00465, 0.01298) | 2.2 (1.3, 3.7)    | 0.0000051 (0.0000029, 0.0000084) | 0.00994 (0.00589, 0.01561) |
| Sulawesi Selatan | Self-harm                                     | 10  | 8.1 (3.8, 14.8)      | 0.0000177 (0.0000083, 0.0000324) | 0.02217 (0.01053, 0.04041) | 5.4 (2.8, 9.7)    | 0.0000124 (0.0000063, 0.0000221) | 0.02419 (0.01245, 0.04106) |
| Sulawesi Selatan | Transport injuries                            | 10  | 75.5 (57.3, 96.5)    | 0.0001653 (0.0001254, 0.0002113) | 0.20678 (0.16788, 0.24715) | 28.5 (20.5, 38.1) | 0.0000648 (0.0000466, 0.0000867) | 0.1264 (0.09612, 0.16125)  |
| Sulawesi Selatan | Other unintentional injuries                  | 10  | 13.4 (9.1, 19.7)     | 0.0000294 (0.0000199, 0.0000432) | 0.03672 (0.02594, 0.05079) | 5.9 (3.7, 8.7)    | 0.0000133 (0.0000084, 0.0000199) | 0.026 (0.01694, 0.03790)   |
| Sulawesi Selatan | Diarrheal diseases                            | 15  | 9.7 (5.4, 15.7)      | 0.0000242 (0.0000135, 0.0000392) | 0.0179 (0.01054, 0.02771)  | 7.0 (4.1, 10.8)   | 0.0000173 (0.0000101, 0.0000269) | 0.02296 (0.01350, 0.03506) |
| Sulawesi Selatan | HIV/AIDS                                      | 15  | 2.1 (0.7, 4.9)       | 0.0000053 (0.0000018, 0.0000122) | 0.0039 (0.00137, 0.00856)  | 1.1 (0.4, 2.6)    | 0.0000028 (0.0000010, 0.0000065) | 0.00373 (0.00132, 0.00838) |
| Sulawesi Selatan | Lower respiratory infections                  | 15  | 17.6 (11.5, 25.2)    | 0.0000441 (0.0000288, 0.0000631) | 0.03257 (0.02302, 0.04326) | 8.1 (5.5, 11.4)   | 0.0000201 (0.0000136, 0.0000283) | 0.02664 (0.01809, 0.03746) |
| Sulawesi Selatan | Malaria                                       | 15  | 5.2 (2.4, 10.1)      | 0.0000129 (0.0000059, 0.0000253) | 0.00954 (0.00461, 0.01779) | 3.1 (1.3, 6.2)    | 0.0000077 (0.0000032, 0.0000154) | 0.0102 (0.00431, 0.02033)  |
| Sulawesi Selatan | Tuberculosis                                  | 15  | 38.9 (28.1, 52.3)    | 0.0000975 (0.0000704, 0.0001311) | 0.072 (0.05729, 0.08847)   | 21.6 (16.6, 27.8) | 0.0000537 (0.0000412, 0.0000690) | 0.07118 (0.05603, 0.08779) |
| Sulawesi Selatan | Maternal disorders                            | 15  |                      |                                  |                            | 12.7 (7.7, 19.8)  | 0.0000315 (0.0000191, 0.0000491) | 0.0418 (0.02543, 0.06515)  |
| Sulawesi Selatan | Other communicable diseases                   | 15  | 59.8 (44.2, 78.2)    | 0.0001498 (0.0001106, 0.0001958) | 0.11068 (0.09055, 0.13082) | 28.6 (21.1, 36.6) | 0.0000711 (0.0000524, 0.0000909) | 0.09423 (0.07240, 0.11625) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 15  | 3.5 (1.4, 7.0)       | 0.0000087 (0.0000034, 0.0000176) | 0.00642 (0.00264, 0.01282) | 1.2 (0.4, 2.6)    | 0.000003 (0.0000011, 0.0000065)  | 0.00393 (0.00147, 0.00844) |
| Sulawesi Selatan | Breast cancer                                 | 15  | 0.1 (0.0, 0.4)       | 0.0000003 (0.0000000, 0.0000011) | 0.00023 (0.00003, 0.00083) | 3.3 (1.1, 7.1)    | 0.0000081 (0.0000029, 0.0000177) | 0.01072 (0.00365, 0.02333) |
| Sulawesi Selatan | Cervical cancer                               | 15  |                      |                                  |                            | 1.1 (0.3, 2.5)    | 0.0000028 (0.0000009, 0.0000062) | 0.00367 (0.00114, 0.00819) |
| Sulawesi Selatan | Other malignant neoplasms                     | 15  | 24.1 (17.2, 33.2)    | 0.0000605 (0.0000430, 0.0000833) | 0.04468 (0.03449, 0.05638) | 24.5 (18.2, 32.0) | 0.0000608 (0.0000452, 0.0000796) | 0.08069 (0.06151, 0.10143) |
| Sulawesi Selatan | Cerebrovascular disease                       | 15  | 3.6 (2.1, 5.7)       | 0.0000091 (0.0000052, 0.0000144) | 0.0067 (0.00413, 0.01005)  | 3.5 (2.1, 5.5)    | 0.0000088 (0.0000052, 0.0000138) | 0.01168 (0.00691, 0.01769) |
| Sulawesi Selatan | Ischemic heart disease                        | 15  | 9.7 (6.1, 14.5)      | 0.0000243 (0.0000153, 0.0000363) | 0.01793 (0.01248, 0.02463) | 8.6 (5.7, 12.3)   | 0.0000214 (0.0000142, 0.0000306) | 0.02842 (0.01968, 0.04008) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 15  | 2.5 (1.4, 4.3)       | 0.0000062 (0.0000034, 0.0000108) | 0.00461 (0.00261, 0.00762) | 2.9 (1.5, 5.1)    | 0.0000072 (0.0000037, 0.0000126) | 0.00958 (0.00493, 0.01640) |
| Sulawesi Selatan | Diabetes mellitus                             | 15  | 3.0 (1.5, 5.2)       | 0.0000076 (0.0000039, 0.0000131) | 0.00562 (0.00310, 0.00925) | 4.4 (2.4, 7.3)    | 0.000011 (0.0000058, 0.0000182)  | 0.01456 (0.00786, 0.02346) |
| Sulawesi Selatan | Chronic kidney disease                        | 15  | 9.0 (5.5, 13.7)      | 0.0000225 (0.0000139, 0.0000343) | 0.01658 (0.01077, 0.02375) | 7.8 (4.9, 12.0)   | 0.0000195 (0.0000121, 0.0000298) | 0.02586 (0.01624, 0.03959) |
| Sulawesi Selatan | Cirrhosis                                     | 15  | 14.1 (8.8, 21.1)     | 0.0000352 (0.0000221, 0.0000529) | 0.02602 (0.01784, 0.03679) | 7.2 (4.6, 11.1)   | 0.000018 (0.0000114, 0.0000276)  | 0.0239 (0.01531, 0.03565)  |
| Sulawesi Selatan | Chronic respiratory diseases                  | 15  | 11.6 (7.4, 17.8)     | 0.000029 (0.0000185, 0.0000447)  | 0.02144 (0.01419, 0.03073) | 5.7 (3.4, 9.0)    | 0.0000142 (0.0000086, 0.0000224) | 0.01889 (0.01162, 0.02871) |
| Sulawesi Selatan | Other non-communicable diseases               | 15  | 36.9 (27.2, 49.0)    | 0.0000923 (0.0000682, 0.0001228) | 0.06819 (0.05660, 0.08097) | 33.9 (26.6, 41.8) | 0.0000842 (0.0000661, 0.0001040) | 0.11164 (0.09234, 0.13485) |
| Sulawesi Selatan | Drowning                                      | 15  | 27.2 (16.4, 41.2)    | 0.0000681 (0.0000411, 0.0001032) | 0.05028 (0.03245, 0.07385) | 6.7 (3.5, 11.0)   | 0.0000166 (0.0000088, 0.0000274) | 0.02204 (0.01205, 0.03571) |
| Sulawesi Selatan | Falls                                         | 15  | 8.3 (5.0, 13.6)      | 0.0000209 (0.0000124, 0.0000340) | 0.01541 (0.00979, 0.02402) | 3.0 (1.6, 4.9)    | 0.0000074 (0.0000040, 0.0000123) | 0.00982 (0.00543, 0.01632) |
| Sulawesi Selatan | Interpersonal violence                        | 15  | 6.5 (4.0, 10.5)      | 0.0000163 (0.0000099, 0.0000263) | 0.01207 (0.00782, 0.01829) | 5.1 (2.9, 8.3)    | 0.0000128 (0.0000071, 0.0000207) | 0.01694 (0.00972, 0.02737) |
| Sulawesi Selatan | Self-harm                                     | 15  | 15.1 (8.9, 23.9)     | 0.0000378 (0.0000222, 0.0000599) | 0.02789 (0.01744, 0.04161) | 10.5 (6.1, 17.0)  | 0.0000262 (0.0000151, 0.0000422) | 0.03469 (0.01983, 0.05451) |
| Sulawesi Selatan | Transport injuries                            | 15  | 211.0 (165.9, 268.5) | 0.0005286 (0.0004155, 0.0006725) | 0.39058 (0.35725, 0.42083) | 83.3 (69.7, 98.8) | 0.000207 (0.0001732, 0.0002456)  | 0.27459 (0.23911, 0.30929) |
| Sulawesi Selatan | Other unintentional injuries                  | 15  | 20.9 (14.3, 29.8)    | 0.0000525 (0.0000357, 0.0000747) | 0.03874 (0.02842, 0.05088) | 8.4 (5.4, 12.3)   | 0.0000208 (0.0000134, 0.0000306) | 0.02764 (0.01832, 0.03989) |
| Sulawesi Selatan | Diarrheal diseases                            | 20  | 9.4 (5.4, 14.9)      | 0.0000266 (0.0000155, 0.0000423) | 0.01543 (0.00967, 0.02304) | 6.8 (4.2, 9.9)    | 0.0000181 (0.0000112, 0.0000265) | 0.02058 (0.01299, 0.02992) |
| Sulawesi Selatan | HIV/AIDS                                      | 20  | 7.4 (3.3, 15.3)      | 0.0000212 (0.0000093, 0.0000437) | 0.01223 (0.00552, 0.02360) | 3.9 (1.7, 7.7)    | 0.0000103 (0.0000046, 0.0000204) | 0.01171 (0.00550, 0.02265) |
| Sulawesi Selatan | Lower respiratory infections                  | 20  | 17.4 (11.6, 25.6)    | 0.0000494 (0.0000329, 0.0000729) | 0.02862 (0.02028, 0.03893) | 7.3 (4.8, 10.3)   | 0.0000196 (0.0000129, 0.0000276) | 0.02229 (0.01502, 0.03074) |
| Sulawesi Selatan | Malaria                                       | 20  | 6.3 (3.0, 11.9)      | 0.000018 (0.0000085, 0.0000338)  | 0.01041 (0.00511, 0.01907) | 3.6 (1.5, 7.0)    | 0.0000097 (0.0000044, 0.0000188) | 0.01102 (0.00477, 0.02093) |
| Sulawesi Selatan | Tuberculosis                                  | 20  | 78.3 (58.8, 106.6)   | 0.0002231 (0.0001676, 0.0003038) | 0.12907 (0.10914, 0.15104) | 37.0 (29.2, 45.9) | 0.0000989 (0.0000779, 0.0001225) | 0.11258 (0.09373, 0.13366) |
| Sulawesi Selatan | Maternal disorders                            | 20  |                      |                                  |                            | 16.2 (10.6, 23.0) | 0.0000432 (0.0000282, 0.0000615) | 0.0492 (0.03330, 0.06850)  |
| Sulawesi Selatan | Other communicable diseases                   | 20  | 74.6 (55.6, 100.2)   | 0.0002126 (0.0001584, 0.0002854) | 0.12304 (0.10329, 0.14400) | 36.3 (28.4, 45.5) | 0.000097 (0.0000758, 0.0001214)  | 0.11041 (0.08958, 0.13130) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 20  | 3.3 (1.5, 6.6)       | 0.0000095 (0.0000043, 0.0000187) | 0.00552 (0.00265, 0.01056) | 1.8 (0.8, 3.5)    | 0.0000049 (0.0000025, 0.0000094) | 0.00553 (0.00242, 0.01066) |
| Sulawesi Selatan | Breast cancer                                 | 20  | 0.2 (0.0, 0.6)       | 0.0000006 (0.0000001, 0.0000018) | 0.00035 (0.00007, 0.00099) | 9.5 (5.5, 15.1)   | 0.0000252 (0.0000146, 0.0000402) | 0.02871 (0.01716, 0.04440) |
| Sulawesi Selatan | Cervical cancer                               | 20  |                      |                                  |                            | 2.4 (1.0, 4.5)    | 0.0000063 (0.0000027, 0.0000119) | 0.0072 (0.00290, 0.01362)  |
| Sulawesi Selatan | Other malignant neoplasms                     | 20  | 23.6 (16.5, 33.7)    | 0.0000672 (0.0000471, 0.0000959) | 0.03884 (0.02969, 0.04864) | 26.1 (18.6, 34.4) | 0.0000698 (0.0000496, 0.0000918) | 0.07939 (0.06039, 0.09956) |
| Sulawesi Selatan | Cerebrovascular disease                       | 20  | 6.8 (4.5, 10.1)      | 0.0000194 (0.0000128, 0.0000289) | 0.01119 (0.00828, 0.01464) | 5.7 (4.0, 7.8)    | 0.0000153 (0.0000108, 0.0000207) | 0.01744 (0.01264, 0.02310) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females           |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Ischemic heart disease                        | 20  | 16.8 (11.7, 24.6)    | 0.000479 (0.0000332, 0.0000702)  | 0.0277 (0.02096, 0.03566)  | 10.4 (7.4, 13.9)  | 0.0000279 (0.0000198, 0.0000372) | 0.03171 (0.02350, 0.04107) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 20  | 3.8 (2.3, 6.1)       | 0.0000109 (0.0000065, 0.0000174) | 0.00631 (0.00414, 0.00922) | 4.2 (2.8, 6.2)    | 0.0000113 (0.0000075, 0.0000165) | 0.01283 (0.00870, 0.01828) |
| Sulawesi Selatan | Diabetes mellitus                             | 20  | 2.8 (1.6, 4.6)       | 0.0000081 (0.0000045, 0.0000131) | 0.00468 (0.00287, 0.00694) | 3.9 (2.4, 6.1)    | 0.0000105 (0.0000064, 0.0000163) | 0.01191 (0.00733, 0.01789) |
| Sulawesi Selatan | Chronic kidney disease                        | 20  | 13.4 (8.8, 19.5)     | 0.0000383 (0.0000249, 0.0000556) | 0.02214 (0.01570, 0.02953) | 11.0 (7.5, 15.4)  | 0.0000294 (0.0000201, 0.0000412) | 0.03348 (0.02351, 0.04466) |
| Sulawesi Selatan | Cirrhosis                                     | 20  | 21.7 (15.2, 31.0)    | 0.0000619 (0.0000434, 0.0000882) | 0.0358 (0.02744, 0.04578)  | 10.9 (7.6, 14.9)  | 0.0000292 (0.0000204, 0.0000398) | 0.03321 (0.02372, 0.04416) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 20  | 24.5 (16.7, 35.1)    | 0.0000698 (0.0000475, 0.0001001) | 0.04039 (0.03013, 0.05161) | 14.1 (9.8, 19.2)  | 0.0000376 (0.0000263, 0.0000514) | 0.04276 (0.03133, 0.05601) |
| Sulawesi Selatan | Other non-communicable diseases               | 20  | 35.3 (25.9, 48.5)    | 0.0001006 (0.0000739, 0.0001383) | 0.05813 (0.04849, 0.06971) | 29.6 (23.5, 37.1) | 0.000079 (0.0000627, 0.0000991)  | 0.08994 (0.07572, 0.10741) |
| Sulawesi Selatan | Drowning                                      | 20  | 20.7 (11.5, 33.5)    | 0.000059 (0.0000327, 0.0000954)  | 0.03416 (0.02021, 0.05174) | 4.6 (2.3, 7.9)    | 0.0000124 (0.0000062, 0.0000211) | 0.01411 (0.00731, 0.02362) |
| Sulawesi Selatan | Falls                                         | 20  | 8.5 (4.9, 13.8)      | 0.0000241 (0.0000139, 0.0000393) | 0.01391 (0.00880, 0.02076) | 2.7 (1.5, 4.5)    | 0.0000073 (0.0000041, 0.0000120) | 0.00826 (0.00471, 0.01376) |
| Sulawesi Selatan | Interpersonal violence                        | 20  | 7.8 (4.7, 12.3)      | 0.0000223 (0.0000135, 0.0000349) | 0.01289 (0.00843, 0.01920) | 5.1 (3.0, 8.1)    | 0.0000137 (0.0000081, 0.0000216) | 0.01554 (0.00948, 0.02450) |
| Sulawesi Selatan | Self-harm                                     | 20  | 15.4 (9.1, 24.5)     | 0.0000438 (0.0000260, 0.0000698) | 0.02533 (0.01617, 0.03729) | 8.8 (5.2, 13.9)   | 0.0000236 (0.0000139, 0.0000372) | 0.02686 (0.01625, 0.04184) |
| Sulawesi Selatan | Transport injuries                            | 20  | 185.0 (142.4, 246.8) | 0.000527 (0.0004057, 0.0007031)  | 0.30485 (0.27470, 0.33538) | 58.8 (47.4, 72.6) | 0.0001569 (0.0001266, 0.0001938) | 0.17852 (0.15259, 0.20579) |
| Sulawesi Selatan | Other unintentional injuries                  | 20  | 23.7 (16.2, 34.3)    | 0.0000675 (0.0000463, 0.0000977) | 0.03902 (0.02885, 0.05157) | 8.2 (5.3, 11.9)   | 0.0000218 (0.0000143, 0.0000317) | 0.02481 (0.01642, 0.03501) |
| Sulawesi Selatan | Diarrheal diseases                            | 25  | 13.7 (8.7, 21.4)     | 0.0000402 (0.0000255, 0.0000626) | 0.01972 (0.01270, 0.02808) | 9.3 (6.0, 13.6)   | 0.0000254 (0.0000163, 0.0000372) | 0.02529 (0.01675, 0.03569) |
| Sulawesi Selatan | HIV/AIDS                                      | 25  | 14.2 (6.8, 27.1)     | 0.0000415 (0.0000198, 0.0000795) | 0.02035 (0.01006, 0.03820) | 7.0 (3.5, 12.9)   | 0.000019 (0.0000097, 0.0000350)  | 0.01886 (0.00952, 0.03417) |
| Sulawesi Selatan | Lower respiratory infections                  | 25  | 19.1 (12.9, 27.8)    | 0.0000561 (0.0000377, 0.0000814) | 0.02756 (0.01948, 0.03777) | 7.3 (4.7, 10.5)   | 0.00002 (0.0000128, 0.0000286)   | 0.01987 (0.01370, 0.02790) |
| Sulawesi Selatan | Malaria                                       | 25  | 7.0 (3.3, 13.0)      | 0.0000205 (0.0000096, 0.0000382) | 0.01006 (0.00495, 0.01768) | 3.6 (1.6, 7.2)    | 0.0000099 (0.0000043, 0.0000195) | 0.00984 (0.00453, 0.01870) |
| Sulawesi Selatan | Tuberculosis                                  | 25  | 115.6 (91.2, 152.9)  | 0.0003385 (0.0002671, 0.0004479) | 0.1662 (0.14416, 0.19050)  | 46.7 (36.1, 59.5) | 0.0001273 (0.0000983, 0.0001622) | 0.12669 (0.10617, 0.14969) |
| Sulawesi Selatan | Maternal disorders                            | 25  |                      |                                  |                            | 21.3 (14.3, 29.6) | 0.0000581 (0.0000389, 0.0000807) | 0.05785 (0.04131, 0.07866) |
| Sulawesi Selatan | Other communicable diseases                   | 25  | 82.1 (64.2, 107.4)   | 0.0002406 (0.0001879, 0.0003145) | 0.11818 (0.09894, 0.13896) | 38.0 (28.5, 49.2) | 0.0001035 (0.0000776, 0.0001340) | 0.10295 (0.08448, 0.12284) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 25  | 4.3 (2.0, 8.4)       | 0.0000126 (0.0000058, 0.0000246) | 0.00621 (0.00296, 0.01186) | 2.5 (1.2, 4.5)    | 0.0000067 (0.0000032, 0.0000122) | 0.00665 (0.00323, 0.01184) |
| Sulawesi Selatan | Breast cancer                                 | 25  | 0.2 (0.1, 0.6)       | 0.0000007 (0.0000002, 0.0000016) | 0.00034 (0.00010, 0.00079) | 19.2 (12.9, 26.5) | 0.0000522 (0.0000350, 0.0000722) | 0.05196 (0.03694, 0.06884) |
| Sulawesi Selatan | Cervical cancer                               | 25  |                      |                                  |                            | 4.4 (2.1, 7.7)    | 0.000012 (0.0000059, 0.0000211)  | 0.01198 (0.00606, 0.02048) |
| Sulawesi Selatan | Other malignant neoplasms                     | 25  | 28.7 (21.2, 38.9)    | 0.0000839 (0.0000620, 0.0001139) | 0.04122 (0.03283, 0.05075) | 28.8 (20.5, 37.7) | 0.0000786 (0.0000559, 0.0001027) | 0.07818 (0.06053, 0.09568) |
| Sulawesi Selatan | Cerebrovascular disease                       | 25  | 13.6 (10.1, 18.7)    | 0.0000398 (0.0000295, 0.0000549) | 0.01952 (0.01555, 0.02404) | 9.9 (7.4, 13.1)   | 0.0000271 (0.0000202, 0.0000358) | 0.02695 (0.02135, 0.03311) |
| Sulawesi Selatan | Ischemic heart disease                        | 25  | 38.4 (29.4, 51.8)    | 0.0001124 (0.0000860, 0.0001517) | 0.05515 (0.04640, 0.06522) | 17.8 (13.6, 23.3) | 0.0000485 (0.0000371, 0.0000634) | 0.04827 (0.03915, 0.05742) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 25  | 5.4 (3.7, 7.8)       | 0.0000157 (0.0000108, 0.0000229) | 0.00771 (0.00560, 0.01049) | 5.5 (3.8, 7.9)    | 0.0000151 (0.0000103, 0.0000215) | 0.01503 (0.01093, 0.02027) |
| Sulawesi Selatan | Diabetes mellitus                             | 25  | 5.1 (3.4, 7.6)       | 0.000015 (0.0000101, 0.0000222)  | 0.00736 (0.00523, 0.00984) | 6.3 (4.3, 8.7)    | 0.000017 (0.0000116, 0.0000236)  | 0.01696 (0.01201, 0.02270) |
| Sulawesi Selatan | Chronic kidney disease                        | 25  | 16.3 (11.5, 22.6)    | 0.0000479 (0.0000336, 0.0000662) | 0.02351 (0.01774, 0.03005) | 11.8 (8.3, 16.2)  | 0.0000321 (0.0000226, 0.0000442) | 0.03197 (0.02407, 0.04104) |
| Sulawesi Selatan | Cirrhosis                                     | 25  | 32.0 (24.0, 44.0)    | 0.0000937 (0.0000704, 0.0001289) | 0.046 (0.03691, 0.05688)   | 14.6 (10.6, 19.6) | 0.0000398 (0.0000288, 0.0000534) | 0.03957 (0.03015, 0.04945) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 25  | 29.5 (21.3, 40.6)    | 0.0000863 (0.0000623, 0.0001190) | 0.04238 (0.03303, 0.05359) | 17.4 (12.7, 23.4) | 0.0000475 (0.0000347, 0.0000638) | 0.04726 (0.03676, 0.06088) |
| Sulawesi Selatan | Other non-communicable diseases               | 25  | 44.6 (35.0, 59.3)    | 0.0001306 (0.0001024, 0.0001737) | 0.06411 (0.05464, 0.07516) | 33.7 (26.7, 42.7) | 0.0000919 (0.0000728, 0.0001163) | 0.09143 (0.07845, 0.10517) |
| Sulawesi Selatan | Drowning                                      | 25  | 14.6 (7.3, 25.1)     | 0.0000428 (0.0000213, 0.0000734) | 0.02103 (0.01094, 0.03475) | 2.9 (1.5, 5.2)    | 0.000008 (0.0000040, 0.0000143)  | 0.008 (0.00402, 0.01379)   |
| Sulawesi Selatan | Falls                                         | 25  | 12.8 (7.8, 19.9)     | 0.0000375 (0.0000228, 0.0000582) | 0.01839 (0.01182, 0.02786) | 3.7 (2.1, 5.9)    | 0.00001 (0.0000058, 0.0000161)   | 0.00998 (0.00581, 0.01564) |
| Sulawesi Selatan | Interpersonal violence                        | 25  | 8.6 (5.5, 13.2)      | 0.0000251 (0.0000160, 0.0000387) | 0.0123 (0.00812, 0.01827)  | 4.7 (2.8, 7.3)    | 0.0000128 (0.0000075, 0.0000199) | 0.01272 (0.00767, 0.01913) |
| Sulawesi Selatan | Self-harm                                     | 25  | 15.6 (9.5, 24.4)     | 0.0000457 (0.0000280, 0.0000716) | 0.02248 (0.01415, 0.03332) | 7.5 (4.4, 11.6)   | 0.0000203 (0.0000121, 0.0000317) | 0.02022 (0.01229, 0.03085) |
| Sulawesi Selatan | Transport injuries                            | 25  | 143.7 (113.4, 191.4) | 0.0004207 (0.0003321, 0.0005607) | 0.20658 (0.17848, 0.23489) | 35.8 (27.0, 46.4) | 0.0000975 (0.0000736, 0.0001264) | 0.09702 (0.07775, 0.11825) |
| Sulawesi Selatan | Other unintentional injuries                  | 25  | 30.3 (21.6, 43.5)    | 0.0000888 (0.0000632, 0.0001274) | 0.04363 (0.03250, 0.05825) | 9.0 (6.0, 13.0)   | 0.0000246 (0.0000165, 0.0000355) | 0.0245 (0.01695, 0.03379)  |
| Sulawesi Selatan | Diarrheal diseases                            | 30  | 15.6 (10.0, 23.3)    | 0.0000489 (0.0000313, 0.0000729) | 0.02152 (0.01415, 0.03045) | 11.2 (7.3, 16.9)  | 0.0000324 (0.0000210, 0.0000486) | 0.02626 (0.01813, 0.03669) |
| Sulawesi Selatan | HIV/AIDS                                      | 30  | 14.6 (7.3, 27.2)     | 0.0000455 (0.0000228, 0.0000853) | 0.01999 (0.01043, 0.03707) | 7.8 (3.9, 14.5)   | 0.0000225 (0.0000111, 0.0000419) | 0.01817 (0.00957, 0.03301) |
| Sulawesi Selatan | Lower respiratory infections                  | 30  | 17.5 (12.0, 25.0)    | 0.0000547 (0.0000376, 0.0000781) | 0.02409 (0.01725, 0.03282) | 7.5 (4.8, 11.1)   | 0.0000216 (0.0000139, 0.0000320) | 0.01752 (0.01206, 0.02433) |
| Sulawesi Selatan | Malaria                                       | 30  | 6.1 (2.9, 10.8)      | 0.000019 (0.0000091, 0.0000337)  | 0.00835 (0.00425, 0.01431) | 3.2 (1.5, 6.1)    | 0.0000094 (0.0000042, 0.0000176) | 0.00756 (0.00362, 0.01312) |
| Sulawesi Selatan | Tuberculosis                                  | 30  | 112.8 (90.6, 147.4)  | 0.0003529 (0.0002834, 0.0004612) | 0.15513 (0.13388, 0.17861) | 49.8 (38.8, 65.8) | 0.0001436 (0.0001119, 0.0001897) | 0.11646 (0.09771, 0.13584) |
| Sulawesi Selatan | Maternal disorders                            | 30  |                      |                                  |                            | 21.0 (14.4, 29.7) | 0.0000606 (0.0000416, 0.0000857) | 0.04917 (0.03596, 0.06601) |
| Sulawesi Selatan | Other communicable diseases                   | 30  | 59.9 (46.1, 78.9)    | 0.0001875 (0.0001441, 0.0002469) | 0.08249 (0.06684, 0.10114) | 29.3 (21.6, 40.3) | 0.0000846 (0.0000622, 0.0001162) | 0.06855 (0.05444, 0.08417) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 30  | 8.2 (4.1, 14.8)      | 0.0000258 (0.0000130, 0.0000464) | 0.01136 (0.00597, 0.01995) | 3.1 (1.5, 5.4)    | 0.0000089 (0.0000043, 0.0000154) | 0.0072 (0.00365, 0.01251)  |
| Sulawesi Selatan | Breast cancer                                 | 30  | 0.4 (0.1, 0.9)       | 0.0000011 (0.0000003, 0.0000028) | 0.00049 (0.00016, 0.00123) | 33.2 (24.3, 45.4) | 0.0000958 (0.0000700, 0.0001308) | 0.07768 (0.05999, 0.09607) |
| Sulawesi Selatan | Cervical cancer                               | 30  |                      |                                  |                            | 7.7 (3.9, 13.1)   | 0.0000221 (0.0000112, 0.0000379) | 0.01793 (0.00953, 0.02868) |
| Sulawesi Selatan | Other malignant neoplasms                     | 30  | 43.0 (32.4, 58.5)    | 0.0001346 (0.0001013, 0.0001831) | 0.05917 (0.04879, 0.07100) | 32.3 (22.4, 43.1) | 0.000093 (0.0000644, 0.0001243)  | 0.07539 (0.05780, 0.09400) |
| Sulawesi Selatan | Cerebrovascular disease                       | 30  | 23.1 (17.9, 31.5)    | 0.0000723 (0.0000560, 0.0000986) | 0.03175 (0.02650, 0.03809) | 17.9 (13.6, 23.8) | 0.0000517 (0.0000391, 0.0000687) | 0.04191 (0.03480, 0.04999) |
| Sulawesi Selatan | Ischemic heart disease                        | 30  | 56.8 (45.1, 75.2)    | 0.0001777 (0.0001413, 0.0002353) | 0.0781 (0.06717, 0.09005)  | 28.9 (22.4, 38.7) | 0.0000834 (0.0000646, 0.0001114) | 0.06764 (0.05696, 0.07895) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 30  | 7.2 (5.1, 10.4)      | 0.0000226 (0.0000158, 0.0000324) | 0.00991 (0.00730, 0.01316) | 7.7 (5.4, 11.0)   | 0.0000221 (0.0000154, 0.0000316) | 0.01792 (0.01323, 0.02421) |
| Sulawesi Selatan | Diabetes mellitus                             | 30  | 9.0 (6.4, 12.8)      | 0.0000281 (0.0000200, 0.0000399) | 0.01235 (0.00941, 0.01603) | 11.1 (7.8, 15.0)  | 0.000032 (0.0000225, 0.0000432)  | 0.02597 (0.02008, 0.03273) |
| Sulawesi Selatan | Chronic kidney disease                        | 30  | 18.9 (13.8, 26.0)    | 0.0000593 (0.0000431, 0.0000814) | 0.02607 (0.01992, 0.03263) | 13.8 (9.7, 19.1)  | 0.0000399 (0.0000281, 0.0000550) | 0.03235 (0.02420, 0.04119) |
| Sulawesi Selatan | Cirrhosis                                     | 30  | 44.1 (34.1, 60.4)    | 0.000138 (0.0001067, 0.0001891)  | 0.06066 (0.04966, 0.07428) | 20.8 (15.2, 28.2) | 0.00006 (0.0000437, 0.0000812)   | 0.04871 (0.03814, 0.06112) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 30  | 34.0 (25.0, 45.9)    | 0.0001063 (0.0000781, 0.0001436) | 0.04671 (0.03682, 0.05770) | 19.9 (14.7, 27.3) | 0.0000573 (0.0000423, 0.0000788) | 0.04644 (0.03626, 0.05776) |
| Sulawesi Selatan | Other non-communicable diseases               | 30  | 50.2 (39.9, 66.4)    | 0.000157 (0.0001247, 0.0002079)  | 0.06901 (0.05915, 0.07994) | 39.8 (31.1, 52.1) | 0.0001146 (0.0000895, 0.0001500) | 0.09296 (0.08067, 0.10613) |
| Sulawesi Selatan | Drowning                                      | 30  | 16.3 (9.3, 27.4)     | 0.000051 (0.0000290, 0.0000857)  | 0.02243 (0.01347, 0.03634) | 3.7 (1.9, 6.4)    | 0.0000108 (0.0000056, 0.0000184) | 0.00873 (0.00483, 0.01430) |
| Sulawesi Selatan | Falls                                         | 30  | 15.3 (9.7, 24.0)     | 0.000048 (0.0000304, 0.0000751)  | 0.02108 (0.01411, 0.03117) | 4.9 (3.0, 7.9)    | 0.0000142 (0.0000085, 0.0000228) | 0.01149 (0.00733, 0.01757) |
| Sulawesi Selatan | Interpersonal violence                        | 30  | 6.8 (4.2, 10.9)      | 0.0000213 (0.0000132, 0.0000341) | 0.00936 (0.00610, 0.01403) | 4.0 (2.2, 6.3)    | 0.0000115 (0.0000065, 0.0000181) | 0.00928 (0.00544, 0.01392) |
| Sulawesi Selatan | Self-harm                                     | 30  | 12.3 (7.4, 18.8)     | 0.0000384 (0.0000231, 0.0000590) | 0.01689 (0.01048, 0.02475) | 6.2 (3.6, 10.1)   | 0.0000178 (0.0000104, 0.0000291) | 0.01446 (0.00888, 0.02226) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females            |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Transport injuries                            | 30  | 126.7 (100.6, 166.6) | 0.0003965 (0.0003150, 0.0005215) | 0.17428 (0.14879, 0.20005) | 33.8 (25.3, 45.4)  | 0.0000973 (0.0000729, 0.0001307) | 0.07897 (0.06383, 0.09563) |
| Sulawesi Selatan | Other unintentional injuries                  | 30  | 28.2 (20.1, 39.8)    | 0.0000883 (0.0000630, 0.0001245) | 0.03881 (0.02908, 0.05182) | 9.1 (6.1, 13.2)    | 0.0000262 (0.0000176, 0.0000381) | 0.02125 (0.01481, 0.02957) |
| Sulawesi Selatan | Diarrheal diseases                            | 35  | 14.8 (9.7, 22.3)     | 0.0000469 (0.0000306, 0.0000706) | 0.01632 (0.01112, 0.02343) | 12.7 (8.2, 18.6)   | 0.0000385 (0.0000247, 0.0000562) | 0.02098 (0.01456, 0.02892) |
| Sulawesi Selatan | HIV/AIDS                                      | 35  | 13.6 (6.6, 24.3)     | 0.0000429 (0.0000208, 0.0000768) | 0.01491 (0.00757, 0.02565) | 8.4 (4.1, 15.3)    | 0.0000253 (0.0000123, 0.0000463) | 0.01375 (0.00694, 0.02393) |
| Sulawesi Selatan | Lower respiratory infections                  | 35  | 19.6 (13.5, 28.4)    | 0.0000619 (0.0000428, 0.0000899) | 0.02155 (0.01567, 0.02884) | 10.1 (6.7, 14.7)   | 0.0000305 (0.0000202, 0.0000445) | 0.01664 (0.01181, 0.02284) |
| Sulawesi Selatan | Malaria                                       | 35  | 6.1 (3.0, 11.1)      | 0.0000193 (0.0000094, 0.0000349) | 0.00672 (0.00339, 0.01194) | 3.5 (1.6, 6.7)     | 0.0000106 (0.0000048, 0.0000203) | 0.00577 (0.00272, 0.01046) |
| Sulawesi Selatan | Tuberculosis                                  | 35  | 134.9 (108.9, 176.5) | 0.0004265 (0.0003444, 0.0005580) | 0.14831 (0.12951, 0.16949) | 64.1 (49.9, 84.4)  | 0.0001935 (0.0001508, 0.0002549) | 0.10553 (0.08893, 0.12399) |
| Sulawesi Selatan | Maternal disorders                            | 35  |                      |                                  |                            | 23.9 (15.8, 34.1)  | 0.0000721 (0.0000477, 0.0001029) | 0.03932 (0.02778, 0.05280) |
| Sulawesi Selatan | Other communicable diseases                   | 35  | 57.2 (43.3, 75.0)    | 0.000181 (0.0001368, 0.0002372)  | 0.06296 (0.04990, 0.07593) | 34.4 (24.7, 47.6)  | 0.0001038 (0.0000745, 0.0001439) | 0.05658 (0.04454, 0.06930) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 35  | 10.5 (5.7, 17.8)     | 0.0000333 (0.0000179, 0.0000564) | 0.01159 (0.00635, 0.01900) | 4.9 (2.5, 8.2)     | 0.0000146 (0.0000075, 0.0000249) | 0.00799 (0.00436, 0.01341) |
| Sulawesi Selatan | Breast cancer                                 | 35  | 0.7 (0.2, 1.7)       | 0.0000022 (0.0000007, 0.0000053) | 0.00076 (0.00027, 0.00183) | 57.4 (41.6, 77.8)  | 0.0001732 (0.0001256, 0.0002349) | 0.09443 (0.07538, 0.11553) |
| Sulawesi Selatan | Cervical cancer                               | 35  |                      |                                  |                            | 16.1 (8.9, 25.7)   | 0.0000485 (0.0000269, 0.0000777) | 0.02647 (0.01530, 0.04109) |
| Sulawesi Selatan | Other malignant neoplasms                     | 35  | 66.7 (52.4, 88.0)    | 0.000211 (0.0001658, 0.0002783)  | 0.0734 (0.06174, 0.08677)  | 41.9 (29.2, 57.8)  | 0.0001264 (0.0000883, 0.0001745) | 0.06892 (0.05302, 0.08735) |
| Sulawesi Selatan | Cerebrovascular disease                       | 35  | 44.9 (35.4, 59.5)    | 0.0001421 (0.0001120, 0.0001882) | 0.0494 (0.04210, 0.05772)  | 37.1 (28.6, 48.8)  | 0.0001122 (0.0000863, 0.0001473) | 0.06115 (0.05278, 0.07119) |
| Sulawesi Selatan | Ischemic heart disease                        | 35  | 102.2 (83.0, 133.0)  | 0.0003231 (0.0002624, 0.0004206) | 0.11234 (0.09983, 0.12514) | 53.3 (41.0, 70.4)  | 0.0001608 (0.0001238, 0.0002127) | 0.08765 (0.07625, 0.10096) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 35  | 11.3 (8.1, 16.1)     | 0.0000359 (0.0000256, 0.0000508) | 0.01246 (0.00958, 0.01639) | 12.5 (8.7, 17.8)   | 0.0000378 (0.0000264, 0.0000536) | 0.02063 (0.01554, 0.02723) |
| Sulawesi Selatan | Diabetes mellitus                             | 35  | 20.1 (14.5, 27.3)    | 0.0000635 (0.0000458, 0.0000862) | 0.02207 (0.01740, 0.02761) | 24.9 (17.9, 33.6)  | 0.0000752 (0.0000541, 0.0001013) | 0.04101 (0.03231, 0.05056) |
| Sulawesi Selatan | Chronic kidney disease                        | 35  | 27.1 (19.9, 36.7)    | 0.0000856 (0.0000630, 0.0001160) | 0.02979 (0.02309, 0.03680) | 19.5 (13.6, 27.0)  | 0.000059 (0.0000409, 0.0000817)  | 0.03215 (0.02395, 0.04028) |
| Sulawesi Selatan | Cirrhosis                                     | 35  | 63.8 (50.3, 86.1)    | 0.0002018 (0.0001589, 0.0002722) | 0.0702 (0.05838, 0.08378)  | 32.2 (23.2, 43.5)  | 0.0000971 (0.0000699, 0.0001313) | 0.05295 (0.04174, 0.06641) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 35  | 47.1 (35.5, 62.9)    | 0.0001488 (0.0001122, 0.0001989) | 0.05172 (0.04195, 0.06355) | 28.0 (20.7, 37.6)  | 0.0000846 (0.0000626, 0.0001134) | 0.04613 (0.03666, 0.05689) |
| Sulawesi Selatan | Other non-communicable diseases               | 35  | 63.4 (50.3, 83.7)    | 0.0002005 (0.0001591, 0.0002648) | 0.06973 (0.05976, 0.07982) | 53.1 (40.6, 69.6)  | 0.0001603 (0.0001226, 0.0002102) | 0.08741 (0.07524, 0.09927) |
| Sulawesi Selatan | Drowning                                      | 35  | 21.3 (12.4, 34.2)    | 0.0000673 (0.0000392, 0.0001081) | 0.0234 (0.01411, 0.03625)  | 6.3 (3.3, 10.9)    | 0.0000192 (0.0000099, 0.0000330) | 0.01046 (0.00575, 0.01749) |
| Sulawesi Selatan | Falls                                         | 35  | 16.7 (10.5, 25.0)    | 0.0000529 (0.0000332, 0.0000791) | 0.01838 (0.01213, 0.02601) | 6.6 (3.9, 10.3)    | 0.0000198 (0.0000117, 0.0000311) | 0.0108 (0.00660, 0.01589)  |
| Sulawesi Selatan | Interpersonal violence                        | 35  | 7.0 (4.3, 10.8)      | 0.0000221 (0.0000135, 0.0000342) | 0.00767 (0.00489, 0.01152) | 4.2 (2.3, 6.8)     | 0.0000126 (0.0000071, 0.0000205) | 0.00689 (0.00397, 0.01067) |
| Sulawesi Selatan | Self-harm                                     | 35  | 13.8 (8.3, 21.3)     | 0.0000435 (0.0000263, 0.0000672) | 0.01515 (0.00941, 0.02292) | 6.9 (4.1, 11.4)    | 0.0000209 (0.0000123, 0.0000344) | 0.0114 (0.00695, 0.01777)  |
| Sulawesi Selatan | Transport injuries                            | 35  | 116.2 (91.5, 151.6)  | 0.0003673 (0.0002893, 0.0004793) | 0.12781 (0.10792, 0.14917) | 34.7 (25.5, 47.5)  | 0.0001048 (0.0000769, 0.0001434) | 0.05719 (0.04570, 0.07067) |
| Sulawesi Selatan | Other unintentional injuries                  | 35  | 30.3 (21.3, 43.2)    | 0.0000959 (0.0000673, 0.0001366) | 0.03335 (0.02432, 0.04355) | 10.8 (7.2, 15.8)   | 0.0000326 (0.0000217, 0.0000478) | 0.01781 (0.01250, 0.02450) |
| Sulawesi Selatan | Diarrheal diseases                            | 40  | 17.0 (11.6, 24.8)    | 0.0000625 (0.0000426, 0.0000908) | 0.01513 (0.01035, 0.02076) | 17.1 (11.3, 24.4)  | 0.0000579 (0.0000383, 0.0000826) | 0.02147 (0.01535, 0.02901) |
| Sulawesi Selatan | HIV/AIDS                                      | 40  | 7.4 (3.5, 14.0)      | 0.0000272 (0.0000129, 0.0000515) | 0.00658 (0.00322, 0.01188) | 5.2 (2.5, 9.6)     | 0.0000178 (0.0000083, 0.0000324) | 0.00658 (0.00328, 0.01179) |
| Sulawesi Selatan | Lower respiratory infections                  | 40  | 19.9 (14.1, 28.1)    | 0.000073 (0.0000519, 0.0001031)  | 0.01766 (0.01312, 0.02319) | 12.7 (8.5, 18.3)   | 0.0000429 (0.0000289, 0.0000620) | 0.01589 (0.01142, 0.02111) |
| Sulawesi Selatan | Malaria                                       | 40  | 6.5 (3.1, 11.4)      | 0.0000239 (0.0000114, 0.0000418) | 0.00577 (0.00289, 0.00995) | 4.0 (1.8, 7.5)     | 0.0000136 (0.0000062, 0.0000254) | 0.00506 (0.00245, 0.00911) |
| Sulawesi Selatan | Tuberculosis                                  | 40  | 129.0 (105.4, 167.8) | 0.0004732 (0.0003866, 0.0006157) | 0.11447 (0.10028, 0.12935) | 69.9 (54.4, 91.8)  | 0.0002368 (0.0001842, 0.0003110) | 0.08781 (0.07570, 0.10185) |
| Sulawesi Selatan | Maternal disorders                            | 40  |                      |                                  |                            | 8.1 (4.7, 12.5)    | 0.0000274 (0.0000160, 0.0000425) | 0.01019 (0.00628, 0.01525) |
| Sulawesi Selatan | Other communicable diseases                   | 40  | 58.9 (45.6, 76.2)    | 0.000216 (0.0001671, 0.0002796)  | 0.05228 (0.04234, 0.06293) | 42.2 (31.4, 55.8)  | 0.000143 (0.0001065, 0.0001890)  | 0.05303 (0.04236, 0.06435) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 40  | 15.3 (9.0, 24.7)     | 0.000056 (0.0000332, 0.0000906)  | 0.01357 (0.00829, 0.02134) | 6.7 (3.7, 11.4)    | 0.0000228 (0.0000126, 0.0000385) | 0.00844 (0.00499, 0.01357) |
| Sulawesi Selatan | Breast cancer                                 | 40  | 1.5 (0.6, 3.3)       | 0.0000057 (0.0000023, 0.0000121) | 0.00137 (0.00057, 0.00290) | 83.2 (61.7, 109.8) | 0.0002819 (0.0002090, 0.0003721) | 0.10453 (0.08446, 0.12589) |
| Sulawesi Selatan | Cervical cancer                               | 40  |                      |                                  |                            | 25.7 (14.3, 40.3)  | 0.0000872 (0.0000484, 0.0001365) | 0.03239 (0.01898, 0.04816) |
| Sulawesi Selatan | Other malignant neoplasms                     | 40  | 107.9 (85.7, 141.5)  | 0.0003957 (0.0003145, 0.0005191) | 0.09575 (0.08102, 0.11100) | 49.4 (35.0, 66.6)  | 0.0001675 (0.0001187, 0.0002258) | 0.0621 (0.04733, 0.07831)  |
| Sulawesi Selatan | Cerebrovascular disease                       | 40  | 82.4 (66.8, 105.9)   | 0.0003022 (0.0002452, 0.0003885) | 0.07308 (0.06383, 0.08317) | 69.0 (53.7, 89.7)  | 0.0002339 (0.0001821, 0.0003038) | 0.08671 (0.07602, 0.09841) |
| Sulawesi Selatan | Ischemic heart disease                        | 40  | 166.6 (136.1, 215.0) | 0.0006112 (0.0004992, 0.0007887) | 0.14779 (0.13326, 0.16356) | 91.9 (71.3, 118.4) | 0.0003113 (0.0002418, 0.0004012) | 0.1154 (0.10225, 0.13015)  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 40  | 19.0 (13.8, 26.5)    | 0.0000696 (0.0000508, 0.0000972) | 0.01682 (0.01309, 0.02158) | 19.9 (13.8, 27.1)  | 0.0000675 (0.0000468, 0.0000919) | 0.02504 (0.01907, 0.03174) |
| Sulawesi Selatan | Diabetes mellitus                             | 40  | 47.3 (36.1, 62.3)    | 0.0001734 (0.0001323, 0.0002286) | 0.04193 (0.03420, 0.05041) | 55.8 (41.7, 73.4)  | 0.000189 (0.0001413, 0.0002487)  | 0.07009 (0.05802, 0.08368) |
| Sulawesi Selatan | Chronic kidney disease                        | 40  | 38.8 (28.6, 52.5)    | 0.0001425 (0.0001048, 0.0001926) | 0.03446 (0.02657, 0.04207) | 26.5 (18.7, 36.5)  | 0.0000898 (0.0000635, 0.0001236) | 0.0333 (0.02477, 0.04227)  |
| Sulawesi Selatan | Cirrhosis                                     | 40  | 88.1 (68.7, 115.5)   | 0.000323 (0.0002520, 0.0004237)  | 0.07814 (0.06483, 0.09387) | 44.4 (32.4, 59.9)  | 0.0001506 (0.0001099, 0.0002029) | 0.05585 (0.04476, 0.06961) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 40  | 68.3 (52.3, 90.2)    | 0.0002504 (0.0001918, 0.0003311) | 0.06055 (0.04985, 0.07270) | 36.6 (27.0, 49.1)  | 0.000124 (0.0000915, 0.0001662)  | 0.04597 (0.03772, 0.05647) |
| Sulawesi Selatan | Other non-communicable diseases               | 40  | 80.2 (64.2, 105.4)   | 0.0002942 (0.0002355, 0.0003865) | 0.07117 (0.06076, 0.08239) | 66.2 (51.7, 85.3)  | 0.0002245 (0.0001751, 0.0002891) | 0.08327 (0.07208, 0.09599) |
| Sulawesi Selatan | Drowning                                      | 40  | 11.9 (6.7, 20.6)     | 0.0000438 (0.0000245, 0.0000757) | 0.01061 (0.00589, 0.01807) | 4.1 (2.1, 7.2)     | 0.0000138 (0.0000072, 0.0000245) | 0.00514 (0.00277, 0.00893) |
| Sulawesi Selatan | Falls                                         | 40  | 15.6 (10.0, 24.0)    | 0.0000571 (0.0000366, 0.0000879) | 0.0138 (0.00901, 0.02012)  | 6.7 (4.1, 10.2)    | 0.0000228 (0.0000138, 0.0000346) | 0.00845 (0.00523, 0.01261) |
| Sulawesi Selatan | Interpersonal violence                        | 40  | 5.8 (3.5, 9.2)       | 0.0000215 (0.0000128, 0.0000338) | 0.00519 (0.00318, 0.00785) | 3.4 (1.9, 5.5)     | 0.0000115 (0.0000064, 0.0000188) | 0.00425 (0.00239, 0.00663) |
| Sulawesi Selatan | Self-harm                                     | 40  | 13.1 (8.0, 19.9)     | 0.0000481 (0.0000293, 0.0000730) | 0.01163 (0.00735, 0.01717) | 6.2 (3.5, 10.2)    | 0.0000211 (0.0000120, 0.0000344) | 0.00782 (0.00471, 0.01241) |
| Sulawesi Selatan | Transport injuries                            | 40  | 100.5 (77.2, 132.2)  | 0.0003688 (0.0002833, 0.0004850) | 0.08922 (0.07320, 0.10664) | 31.3 (23.1, 42.0)  | 0.0001061 (0.0000783, 0.0001425) | 0.03937 (0.03095, 0.04965) |
| Sulawesi Selatan | Other unintentional injuries                  | 40  | 26.0 (17.7, 36.7)    | 0.0000952 (0.0000649, 0.0001346) | 0.02302 (0.01680, 0.03061) | 9.4 (6.3, 13.8)    | 0.0000319 (0.0000213, 0.0000467) | 0.01187 (0.00814, 0.01615) |
| Sulawesi Selatan | Diarrheal diseases                            | 45  | 17.5 (11.5, 25.7)    | 0.0000802 (0.0000527, 0.0001180) | 0.01336 (0.00912, 0.01830) | 21.6 (14.3, 30.6)  | 0.0000895 (0.0000593, 0.0001264) | 0.02057 (0.01445, 0.02733) |
| Sulawesi Selatan | HIV/AIDS                                      | 45  | 3.8 (1.7, 7.4)       | 0.0000173 (0.0000078, 0.0000339) | 0.00289 (0.00130, 0.00542) | 3.3 (1.5, 6.1)     | 0.0000136 (0.0000063, 0.0000252) | 0.00313 (0.00146, 0.00564) |
| Sulawesi Selatan | Lower respiratory infections                  | 45  | 24.5 (17.6, 33.7)    | 0.0001124 (0.0000806, 0.0001549) | 0.01872 (0.01420, 0.02441) | 19.9 (14.0, 28.4)  | 0.0000823 (0.0000579, 0.0001174) | 0.01891 (0.01434, 0.02482) |
| Sulawesi Selatan | Malaria                                       | 45  | 5.6 (2.8, 9.9)       | 0.0000259 (0.0000127, 0.0000455) | 0.00432 (0.00223, 0.00716) | 3.9 (1.9, 7.1)     | 0.0000161 (0.0000077, 0.0000296) | 0.0037 (0.00185, 0.00657)  |
| Sulawesi Selatan | Tuberculosis                                  | 45  | 138.8 (112.0, 176.8) | 0.0006373 (0.0005145, 0.0008117) | 0.10612 (0.09237, 0.12054) | 85.1 (66.9, 108.7) | 0.0003521 (0.0002768, 0.0004495) | 0.08089 (0.06892, 0.09318) |
| Sulawesi Selatan | Maternal disorders                            | 45  |                      |                                  |                            | 3.0 (1.4, 5.3)     | 0.0000125 (0.0000059, 0.0000220) | 0.00288 (0.00138, 0.00495) |
| Sulawesi Selatan | Other communicable diseases                   | 45  | 52.5 (39.2, 69.1)    | 0.0002412 (0.0001801, 0.0003173) | 0.04018 (0.03277, 0.04911) | 47.9 (36.7, 62.8)  | 0.000198 (0.0001518, 0.0002598)  | 0.04551 (0.03715, 0.05549) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 45  | 24.2 (15.0, 36.6)    | 0.000111 (0.0000687, 0.0001681)  | 0.01848 (0.01196, 0.02798) | 9.1 (5.2, 15.3)    | 0.0000376 (0.0000217, 0.0000634) | 0.00865 (0.00533, 0.01355) |
| Sulawesi Selatan | Breast cancer                                 | 45  | 1.8 (0.9, 3.5)       | 0.0000083 (0.0000040, 0.0000160) | 0.00139 (0.00069, 0.00263) | 91.5 (67.8, 120.7) | 0.0003786 (0.0002805, 0.0004993) | 0.08699 (0.07034, 0.10604) |
| Sulawesi Selatan | Cervical cancer                               | 45  |                      |                                  |                            | 31.2 (18.1, 47.8)  | 0.0001293 (0.0000751, 0.0001978) | 0.02973 (0.01773, 0.04457) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                              | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|------------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Other malignant neoplasms                     | 45  | 97.8 (76.1, 127.5)   | 0.0004493 (0.0003494, 0.0005855) | 0.07482 (0.06314, 0.08738)   | 52.5 (37.6, 70.0)    | 0.0002172 (0.0001554, 0.0002894) | 0.0499 (0.03813, 0.06187)  |
| Sulawesi Selatan | Cerebrovascular disease                       | 45  | 125.1 (99.2, 161.6)  | 0.0005745 (0.0004553, 0.0007422) | 0.09561 (0.08437, 0.10851)   | 119.8 (95.7, 152.6)  | 0.0004955 (0.0003960, 0.0006313) | 0.11384 (0.10114, 0.12714) |
| Sulawesi Selatan | Ischemic heart disease                        | 45  | 230.1 (184.5, 292.4) | 0.0010566 (0.0008473, 0.0013426) | 0.17585 (0.15964, 0.19211)   | 135.9 (107.9, 171.0) | 0.0005621 (0.0004465, 0.0007073) | 0.12916 (0.11456, 0.14371) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 45  | 25.2 (18.2, 35.3)    | 0.0001155 (0.0000835, 0.0001623) | 0.01921 (0.01503, 0.02496)   | 30.0 (21.7, 40.5)    | 0.0001241 (0.0000896, 0.0001674) | 0.02853 (0.02205, 0.03614) |
| Sulawesi Selatan | Diabetes mellitus                             | 45  | 78.5 (59.9, 104.8)   | 0.0003605 (0.0002750, 0.0004814) | 0.05998 (0.04988, 0.07101)   | 101.5 (77.8, 128.1)  | 0.0004197 (0.0003220, 0.0005299) | 0.09643 (0.08204, 0.11318) |
| Sulawesi Selatan | Chronic kidney disease                        | 45  | 42.8 (31.6, 56.8)    | 0.0001966 (0.0001449, 0.0002610) | 0.03274 (0.02588, 0.03995)   | 31.6 (22.5, 42.4)    | 0.0001308 (0.0000932, 0.0001753) | 0.03007 (0.02308, 0.03771) |
| Sulawesi Selatan | Cirrhosis                                     | 45  | 94.9 (72.8, 123.5)   | 0.0004359 (0.0003341, 0.0005671) | 0.07259 (0.06000, 0.08676)   | 55.9 (41.0, 74.6)    | 0.0002311 (0.0001695, 0.0003085) | 0.05311 (0.04206, 0.06468) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 45  | 85.4 (65.2, 111.2)   | 0.000392 (0.0002994, 0.0005105)  | 0.06522 (0.05429, 0.07727)   | 54.1 (40.4, 69.9)    | 0.0002239 (0.0001672, 0.0002890) | 0.05143 (0.04235, 0.06127) |
| Sulawesi Selatan | Other non-communicable diseases               | 45  | 84.5 (67.0, 110.8)   | 0.000388 (0.0003078, 0.0005088)  | 0.06458 (0.05596, 0.07518)   | 79.9 (64.0, 101.2)   | 0.0003306 (0.0002648, 0.0004188) | 0.07599 (0.06577, 0.08858) |
| Sulawesi Selatan | Drowning                                      | 45  | 8.6 (4.4, 15.2)      | 0.0000397 (0.0000200, 0.0000696) | 0.00662 (0.00348, 0.01139)   | 4.0 (1.9, 7.3)       | 0.0000167 (0.0000079, 0.0000301) | 0.00384 (0.00190, 0.00659) |
| Sulawesi Selatan | Falls                                         | 45  | 18.2 (11.6, 27.8)    | 0.0000838 (0.0000534, 0.0001279) | 0.01393 (0.00935, 0.01997)   | 10.1 (6.2, 15.4)     | 0.000042 (0.0000258, 0.0000638)  | 0.00965 (0.00626, 0.01386) |
| Sulawesi Selatan | Interpersonal violence                        | 45  | 5.0 (2.9, 7.8)       | 0.0000231 (0.0000135, 0.0000360) | 0.00385 (0.00233, 0.00575)   | 3.1 (1.8, 5.1)       | 0.000013 (0.0000073, 0.0000210)  | 0.00299 (0.00169, 0.00474) |
| Sulawesi Selatan | Self-harm                                     | 45  | 12.8 (7.8, 20.1)     | 0.0000586 (0.0000357, 0.0000924) | 0.00977 (0.00612, 0.01472)   | 6.4 (3.6, 10.2)      | 0.0000263 (0.0000147, 0.0000423) | 0.00604 (0.00359, 0.00953) |
| Sulawesi Selatan | Transport injuries                            | 45  | 105.6 (80.6, 139.2)  | 0.0004848 (0.0003700, 0.0006392) | 0.08071 (0.06640, 0.09611)   | 40.0 (29.7, 53.0)    | 0.0001655 (0.0001227, 0.0002194) | 0.03803 (0.03021, 0.04734) |
| Sulawesi Selatan | Other unintentional injuries                  | 45  | 24.9 (16.9, 35.4)    | 0.0001145 (0.0000777, 0.0001625) | 0.01905 (0.01390, 0.02560)   | 10.6 (7.2, 15.2)     | 0.0000437 (0.0000298, 0.0000630) | 0.01005 (0.00689, 0.01405) |
| Sulawesi Selatan | Diarrheal diseases                            | 50  | 25.0 (17.0, 35.4)    | 0.0001391 (0.0000945, 0.0001969) | 0.01551 (0.01133, 0.02061)   | 31.0 (21.8, 43.1)    | 0.0001569 (0.0001105, 0.0002181) | 0.02385 (0.01783, 0.03082) |
| Sulawesi Selatan | HIV/AIDS                                      | 50  | 1.7 (0.7, 3.7)       | 0.0000096 (0.0000038, 0.0000203) | 0.00107 (0.00044, 0.00214)   | 1.5 (0.6, 3.1)       | 0.0000076 (0.0000030, 0.0000157) | 0.00116 (0.00049, 0.00237) |
| Sulawesi Selatan | Lower respiratory infections                  | 50  | 33.1 (23.1, 45.9)    | 0.0001845 (0.0001286, 0.0002557) | 0.02055 (0.01559, 0.02608)   | 28.2 (19.8, 39.7)    | 0.0001427 (0.0001000, 0.0002010) | 0.02168 (0.01661, 0.02808) |
| Sulawesi Selatan | Malaria                                       | 50  | 6.2 (3.0, 11.0)      | 0.0000345 (0.0000165, 0.0000613) | 0.00384 (0.000198, 0.000663) | 4.1 (1.9, 7.9)       | 0.0000206 (0.0000096, 0.0000400) | 0.00313 (0.00153, 0.00575) |
| Sulawesi Selatan | Tuberculosis                                  | 50  | 160.7 (124.8, 207.1) | 0.0008952 (0.0006953, 0.0011536) | 0.09972 (0.08816, 0.11202)   | 97.8 (77.6, 124.8)   | 0.0004952 (0.0003930, 0.0006318) | 0.07528 (0.06502, 0.08629) |
| Sulawesi Selatan | Maternal disorders                            | 50  |                      |                                  |                              | 1.0 (0.3, 2.3)       | 0.0000049 (0.0000015, 0.0000114) | 0.00074 (0.00024, 0.00182) |
| Sulawesi Selatan | Other communicable diseases                   | 50  | 57.1 (42.4, 75.4)    | 0.0003179 (0.0002364, 0.0004197) | 0.03545 (0.02883, 0.04287)   | 53.0 (40.2, 69.2)    | 0.0002683 (0.0002033, 0.0003503) | 0.04081 (0.03348, 0.04968) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 50  | 27.1 (15.9, 43.1)    | 0.0001507 (0.0000884, 0.0002399) | 0.0168 (0.01075, 0.02538)    | 10.6 (6.0, 17.4)     | 0.0000538 (0.0000301, 0.0000880) | 0.00817 (0.00491, 0.01279) |
| Sulawesi Selatan | Breast cancer                                 | 50  | 2.1 (1.0, 3.7)       | 0.0000116 (0.0000058, 0.0000209) | 0.0013 (0.00067, 0.00228)    | 84.6 (61.9, 113.2)   | 0.0004283 (0.0003135, 0.0005730) | 0.06509 (0.05204, 0.08055) |
| Sulawesi Selatan | Cervical cancer                               | 50  |                      |                                  |                              | 30.1 (17.0, 46.6)    | 0.0001521 (0.0000861, 0.0002360) | 0.02315 (0.01360, 0.03525) |
| Sulawesi Selatan | Other malignant neoplasms                     | 50  | 101.8 (77.4, 132.8)  | 0.0005667 (0.0004311, 0.0007399) | 0.06316 (0.05370, 0.07370)   | 56.4 (39.8, 75.4)    | 0.0002857 (0.0002014, 0.0003818) | 0.04341 (0.03272, 0.05500) |
| Sulawesi Selatan | Cerebrovascular disease                       | 50  | 191.5 (148.0, 244.2) | 0.0010662 (0.0008245, 0.0013597) | 0.11876 (0.10648, 0.13170)   | 183.9 (149.9, 233.1) | 0.0009309 (0.0007589, 0.0011798) | 0.14152 (0.12794, 0.15611) |
| Sulawesi Selatan | Ischemic heart disease                        | 50  | 304.5 (238.1, 389.4) | 0.0016959 (0.0013259, 0.0021685) | 0.18888 (0.17261, 0.20505)   | 184.2 (148.2, 233.3) | 0.0009325 (0.0007499, 0.0011811) | 0.14177 (0.12709, 0.15602) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 50  | 38.4 (27.3, 53.6)    | 0.0002137 (0.0001518, 0.0002984) | 0.02378 (0.01885, 0.03061)   | 44.2 (32.5, 59.6)    | 0.0002237 (0.0001647, 0.0003016) | 0.03402 (0.02665, 0.04301) |
| Sulawesi Selatan | Diabetes mellitus                             | 50  | 116.3 (86.6, 156.2)  | 0.0006478 (0.0004823, 0.0008700) | 0.07214 (0.06147, 0.08455)   | 147.5 (114.8, 188.6) | 0.0007465 (0.0005811, 0.0009544) | 0.11349 (0.09681, 0.13111) |
| Sulawesi Selatan | Chronic kidney disease                        | 50  | 50.1 (36.4, 66.4)    | 0.0002792 (0.0002025, 0.0003700) | 0.03111 (0.02490, 0.03749)   | 36.1 (26.1, 48.3)    | 0.0001828 (0.0001319, 0.0002446) | 0.0278 (0.02160, 0.03441)  |
| Sulawesi Selatan | Cirrhosis                                     | 50  | 109.8 (81.9, 145.3)  | 0.0006112 (0.0004558, 0.0008090) | 0.06811 (0.05640, 0.08046)   | 65.5 (49.1, 86.4)    | 0.0003315 (0.0002487, 0.0004374) | 0.05039 (0.04081, 0.06125) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 50  | 129.2 (97.4, 171.8)  | 0.0007195 (0.0005422, 0.0009568) | 0.08009 (0.06804, 0.09236)   | 77.7 (59.3, 100.9)   | 0.0003934 (0.0003000, 0.0005107) | 0.0598 (0.04997, 0.07048)  |
| Sulawesi Selatan | Other non-communicable diseases               | 50  | 101.8 (78.1, 133.3)  | 0.0005669 (0.0004349, 0.0007424) | 0.06315 (0.05454, 0.07234)   | 95.2 (75.5, 122.5)   | 0.000482 (0.0003820, 0.0006199)  | 0.07328 (0.06332, 0.08422) |
| Sulawesi Selatan | Drowning                                      | 50  | 6.6 (3.2, 11.7)      | 0.0000366 (0.0000178, 0.0000651) | 0.00409 (0.00202, 0.00707)   | 3.3 (1.5, 5.8)       | 0.0000167 (0.0000076, 0.0000294) | 0.00254 (0.00120, 0.00449) |
| Sulawesi Selatan | Falls                                         | 50  | 21.8 (14.1, 33.5)    | 0.0001216 (0.0000788, 0.0001865) | 0.01353 (0.00924, 0.01933)   | 12.6 (8.0, 18.8)     | 0.0000638 (0.0000405, 0.0000950) | 0.0097 (0.00645, 0.01385)  |
| Sulawesi Selatan | Interpersonal violence                        | 50  | 4.3 (2.4, 6.9)       | 0.0000239 (0.0000134, 0.0000383) | 0.00266 (0.00160, 0.00406)   | 2.5 (1.4, 4.2)       | 0.0000128 (0.0000070, 0.0000213) | 0.00195 (0.00109, 0.00315) |
| Sulawesi Selatan | Self-harm                                     | 50  | 12.2 (7.1, 20.1)     | 0.0000677 (0.0000396, 0.0001120) | 0.00755 (0.00470, 0.01147)   | 5.6 (3.1, 9.4)       | 0.0000286 (0.0000156, 0.0000474) | 0.00434 (0.00253, 0.00689) |
| Sulawesi Selatan | Transport injuries                            | 50  | 89.0 (64.8, 119.4)   | 0.0004955 (0.0003608, 0.0006647) | 0.05517 (0.04414, 0.06674)   | 33.7 (24.3, 46.8)    | 0.0001704 (0.0001232, 0.0002370) | 0.02591 (0.02022, 0.03241) |
| Sulawesi Selatan | Other unintentional injuries                  | 50  | 21.9 (14.7, 31.4)    | 0.0001219 (0.0000817, 0.0001750) | 0.01358 (0.00967, 0.01810)   | 9.1 (6.0, 13.0)      | 0.0000462 (0.0000302, 0.0000657) | 0.00703 (0.00482, 0.00978) |
| Sulawesi Selatan | Diarrheal diseases                            | 55  | 29.7 (19.9, 42.7)    | 0.0002152 (0.0001439, 0.0003087) | 0.01638 (0.01222, 0.02140)   | 37.9 (27.0, 52.5)    | 0.0002518 (0.0001793, 0.0003492) | 0.02526 (0.01951, 0.03235) |
| Sulawesi Selatan | HIV/AIDS                                      | 55  | 0.8 (0.3, 1.7)       | 0.0000056 (0.0000020, 0.0000124) | 0.00043 (0.00016, 0.00090)   | 0.7 (0.3, 1.5)       | 0.0000046 (0.0000017, 0.0000103) | 0.00046 (0.00018, 0.00097) |
| Sulawesi Selatan | Lower respiratory infections                  | 55  | 36.4 (25.6, 49.9)    | 0.0002633 (0.0001852, 0.0003611) | 0.02006 (0.01554, 0.02526)   | 33.0 (23.0, 44.6)    | 0.0002193 (0.0001527, 0.0002965) | 0.02196 (0.01692, 0.02781) |
| Sulawesi Selatan | Malaria                                       | 55  | 6.9 (3.3, 12.5)      | 0.0000499 (0.0000239, 0.0000902) | 0.0038 (0.00190, 0.00645)    | 4.3 (2.0, 8.3)       | 0.0000287 (0.0000135, 0.0000552) | 0.00288 (0.00142, 0.00529) |
| Sulawesi Selatan | Tuberculosis                                  | 55  | 155.8 (118.1, 199.7) | 0.001127 (0.0008543, 0.0014450)  | 0.08583 (0.07528, 0.09695)   | 92.8 (71.9, 119.1)   | 0.0006166 (0.0004776, 0.0007919) | 0.06183 (0.05235, 0.07147) |
| Sulawesi Selatan | Other communicable diseases                   | 55  | 59.0 (43.4, 78.9)    | 0.0004427 (0.0003141, 0.0005709) | 0.03254 (0.02663, 0.03931)   | 57.7 (43.3, 74.0)    | 0.0003834 (0.0002877, 0.0004919) | 0.03845 (0.03135, 0.04636) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 55  | 35.3 (21.0, 54.9)    | 0.0002553 (0.0001518, 0.0003974) | 0.01945 (0.01292, 0.02842)   | 9.7 (5.5, 15.7)      | 0.0000647 (0.0000366, 0.0001043) | 0.00649 (0.00398, 0.01015) |
| Sulawesi Selatan | Breast cancer                                 | 55  | 1.9 (0.9, 3.6)       | 0.0000138 (0.0000068, 0.0000260) | 0.00105 (0.00052, 0.00186)   | 73.6 (54.0, 98.7)    | 0.0004895 (0.0003591, 0.0006557) | 0.04908 (0.03847, 0.06101) |
| Sulawesi Selatan | Cervical cancer                               | 55  |                      |                                  |                              | 23.8 (13.5, 37.5)    | 0.0001584 (0.0000897, 0.0002493) | 0.0159 (0.00921, 0.02441)  |
| Sulawesi Selatan | Other malignant neoplasms                     | 55  | 89.2 (66.4, 117.3)   | 0.0006453 (0.0004807, 0.0008490) | 0.04918 (0.04124, 0.05833)   | 58.0 (40.8, 77.7)    | 0.0003856 (0.0002712, 0.0005168) | 0.03865 (0.02936, 0.04876) |
| Sulawesi Selatan | Cerebrovascular disease                       | 55  | 254.7 (195.1, 324.4) | 0.001843 (0.0014118, 0.0023466)  | 0.14038 (0.12610, 0.15571)   | 253.9 (205.5, 316.3) | 0.0016876 (0.0013661, 0.0021021) | 0.16923 (0.15407, 0.18642) |
| Sulawesi Selatan | Ischemic heart disease                        | 55  | 387.8 (298.9, 495.9) | 0.0028058 (0.0021625, 0.0035880) | 0.21367 (0.19778, 0.23104)   | 238.4 (190.6, 296.3) | 0.0015848 (0.0012670, 0.0019692) | 0.15893 (0.14391, 0.17344) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 55  | 49.6 (34.9, 70.8)    | 0.0003588 (0.0002528, 0.0005119) | 0.02732 (0.02155, 0.03463)   | 58.2 (42.5, 78.9)    | 0.0003866 (0.0002827, 0.0005242) | 0.03877 (0.03079, 0.04859) |
| Sulawesi Selatan | Diabetes mellitus                             | 55  | 139.1 (102.1, 183.8) | 0.0010061 (0.0007385, 0.0013298) | 0.07663 (0.06489, 0.08937)   | 179.0 (138.8, 227.4) | 0.0011899 (0.0009224, 0.0015113) | 0.11932 (0.10212, 0.13695) |
| Sulawesi Selatan | Chronic kidney disease                        | 55  | 54.9 (39.2, 73.2)    | 0.0003972 (0.0002835, 0.0005294) | 0.03027 (0.02398, 0.03672)   | 39.5 (28.3, 52.9)    | 0.0002623 (0.0001880, 0.0003516) | 0.02631 (0.02029, 0.03270) |
| Sulawesi Selatan | Cirrhosis                                     | 55  | 110.1 (81.2, 146.5)  | 0.0007963 (0.0005872, 0.0010599) | 0.06067 (0.05008, 0.07273)   | 69.2 (51.2, 91.2)    | 0.0004598 (0.0003406, 0.0006061) | 0.0461 (0.03717, 0.05707)  |
| Sulawesi Selatan | Chronic respiratory diseases                  | 55  | 154.1 (114.2, 204.1) | 0.001115 (0.0008259, 0.0014769)  | 0.08491 (0.07239, 0.09850)   | 96.0 (74.4, 124.2)   | 0.0006383 (0.0004946, 0.0008252) | 0.06401 (0.05493, 0.07458) |
| Sulawesi Selatan | Other non-communicable diseases               | 55  | 119.8 (90.1, 155.2)  | 0.0008668 (0.0006520, 0.0011228) | 0.06602 (0.05707, 0.07555)   | 115.5 (91.5, 146.7)  | 0.0007677 (0.0006081, 0.0009749) | 0.07699 (0.06687, 0.08795) |
| Sulawesi Selatan | Drowning                                      | 55  | 5.1 (2.2, 9.6)       | 0.0000367 (0.0000162, 0.0000695) | 0.0028 (0.00126, 0.00536)    | 2.9 (1.2, 5.5)       | 0.0000191 (0.0000083, 0.0000366) | 0.00191 (0.00084, 0.00357) |
| Sulawesi Selatan | Falls                                         | 55  | 25.0 (15.7, 38.2)    | 0.0001812 (0.0001133, 0.0002767) | 0.01379 (0.00946, 0.01944)   | 15.6 (10.3, 23.0)    | 0.0001039 (0.0000686, 0.0001526) | 0.01043 (0.00713, 0.01462) |
| Sulawesi Selatan | Interpersonal violence                        | 55  | 3.7 (2.0, 6.2)       | 0.0000268 (0.0000142, 0.0000447) | 0.00204 (0.00115, 0.00321)   | 2.1 (1.1, 3.5)       | 0.0000138 (0.0000075, 0.0000231) | 0.00138 (0.00075, 0.00224) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females              |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Self-harm                                     | 55  | 12.1 (7.0, 19.6)     | 0.0000874 (0.0000507, 0.0001421) | 0.00666 (0.00417, 0.01018) | 5.2 (2.8, 8.8)       | 0.0000346 (0.0000187, 0.0000585) | 0.00347 (0.00200, 0.00554) |
| Sulawesi Selatan | Transport injuries                            | 55  | 64.3 (45.4, 89.0)    | 0.000465 (0.0003283, 0.0006437)  | 0.03542 (0.02791, 0.04453) | 25.1 (17.7, 34.8)    | 0.0001671 (0.0001179, 0.0002311) | 0.01677 (0.01257, 0.02187) |
| Sulawesi Selatan | Other unintentional injuries                  | 55  | 19.4 (12.7, 29.1)    | 0.0001403 (0.0000917, 0.0002106) | 0.01069 (0.00733, 0.01477) | 8.1 (5.3, 11.9)      | 0.0000054 (0.0000350, 0.0000790) | 0.00542 (0.00372, 0.00764) |
| Sulawesi Selatan | Diarrheal diseases                            | 60  | 46.2 (31.0, 64.2)    | 0.0004144 (0.0002776, 0.0005759) | 0.01845 (0.01416, 0.02387) | 58.8 (42.6, 78.6)    | 0.0004458 (0.0003236, 0.0005964) | 0.02839 (0.02214, 0.03574) |
| Sulawesi Selatan | HIV/AIDS                                      | 60  | 0.7 (0.2, 1.6)       | 0.0000064 (0.0000020, 0.0000146) | 0.00028 (0.00009, 0.00061) | 0.6 (0.2, 1.4)       | 0.0000048 (0.0000015, 0.0000109) | 0.00031 (0.00010, 0.00068) |
| Sulawesi Selatan | Lower respiratory infections                  | 60  | 65.6 (45.2, 88.1)    | 0.0005885 (0.0004050, 0.0007897) | 0.02619 (0.02094, 0.03258) | 62.3 (46.3, 81.8)    | 0.0004724 (0.0003515, 0.0006206) | 0.03007 (0.02369, 0.03740) |
| Sulawesi Selatan | Malaria                                       | 60  | 9.7 (4.8, 16.9)      | 0.0000872 (0.0000432, 0.0001519) | 0.00388 (0.00204, 0.00654) | 5.8 (2.7, 10.9)      | 0.0000441 (0.0000206, 0.0000823) | 0.00281 (0.00139, 0.00502) |
| Sulawesi Selatan | Tuberculosis                                  | 60  | 235.9 (176.8, 298.6) | 0.0021153 (0.0015855, 0.0026769) | 0.09413 (0.08362, 0.10534) | 141.7 (114.3, 173.5) | 0.0010751 (0.0008671, 0.0013164) | 0.06846 (0.05936, 0.07843) |
| Sulawesi Selatan | Other communicable diseases                   | 60  | 66.5 (46.5, 89.1)    | 0.0005966 (0.0004171, 0.0007989) | 0.02656 (0.02098, 0.03239) | 65.7 (49.4, 86.5)    | 0.0004987 (0.0003749, 0.0006561) | 0.03174 (0.02538, 0.03888) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 60  | 38.5 (22.4, 60.9)    | 0.0003453 (0.0002012, 0.0005464) | 0.01537 (0.00995, 0.02249) | 11.3 (6.5, 18.2)     | 0.0000858 (0.0000493, 0.0001379) | 0.00546 (0.00332, 0.00855) |
| Sulawesi Selatan | Breast cancer                                 | 60  | 2.0 (0.9, 3.8)       | 0.0000179 (0.0000083, 0.0000345) | 0.0008 (0.00039, 0.00147)  | 69.9 (50.6, 93.8)    | 0.0005305 (0.0003843, 0.0007116) | 0.03378 (0.02564, 0.04324) |
| Sulawesi Selatan | Cervical cancer                               | 60  |                      |                                  |                            | 23.8 (13.1, 37.4)    | 0.0001804 (0.0000994, 0.0002838) | 0.01149 (0.00646, 0.01830) |
| Sulawesi Selatan | Other malignant neoplasms                     | 60  | 109.1 (79.6, 140.6)  | 0.0009778 (0.0007139, 0.0012610) | 0.04354 (0.03617, 0.05114) | 78.7 (57.7, 102.7)   | 0.0005971 (0.0004377, 0.0007791) | 0.03801 (0.02946, 0.04753) |
| Sulawesi Selatan | Cerebrovascular disease                       | 60  | 379.9 (286.7, 475.3) | 0.0034064 (0.0025703, 0.0042613) | 0.15157 (0.13716, 0.16686) | 383.9 (319.0, 467.8) | 0.0029131 (0.0024206, 0.0035497) | 0.18547 (0.17026, 0.20301) |
| Sulawesi Selatan | Ischemic heart disease                        | 60  | 511.5 (385.5, 642.6) | 0.0045859 (0.0034567, 0.0057612) | 0.20402 (0.18718, 0.22061) | 329.5 (270.0, 399.2) | 0.0025004 (0.0020488, 0.0030291) | 0.15921 (0.14284, 0.17436) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 60  | 74.2 (50.9, 103.8)   | 0.0006656 (0.0004568, 0.0009311) | 0.0296 (0.02337, 0.03746)  | 84.4 (63.5, 113.1)   | 0.0006404 (0.0004817, 0.0008584) | 0.04078 (0.03248, 0.05093) |
| Sulawesi Selatan | Diabetes mellitus                             | 60  | 164.0 (118.1, 216.4) | 0.0014705 (0.0010588, 0.0019401) | 0.06542 (0.05518, 0.07651) | 213.2 (169.4, 268.5) | 0.0016178 (0.0012852, 0.0020374) | 0.10301 (0.08833, 0.11935) |
| Sulawesi Selatan | Chronic kidney disease                        | 60  | 66.4 (46.5, 88.7)    | 0.0005956 (0.0004168, 0.0007957) | 0.02652 (0.02104, 0.03207) | 47.4 (34.9, 62.1)    | 0.0003598 (0.0002651, 0.0004711) | 0.0229 (0.01793, 0.02834)  |
| Sulawesi Selatan | Cirrhosis                                     | 60  | 126.5 (91.8, 168.3)  | 0.0011344 (0.0008230, 0.0015085) | 0.05048 (0.04188, 0.06041) | 81.5 (61.6, 103.7)   | 0.0006186 (0.0004673, 0.0007865) | 0.03938 (0.03132, 0.04786) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 60  | 285.3 (212.1, 362.6) | 0.0025579 (0.0019014, 0.0032515) | 0.11378 (0.10025, 0.12891) | 170.2 (135.3, 212.9) | 0.0012915 (0.0010266, 0.0016151) | 0.08223 (0.07111, 0.09373) |
| Sulawesi Selatan | Other non-communicable diseases               | 60  | 182.2 (135.1, 233.6) | 0.0016336 (0.0012110, 0.0020946) | 0.07269 (0.06319, 0.08290) | 174.6 (140.7, 216.6) | 0.0013247 (0.0010679, 0.0016431) | 0.08436 (0.07372, 0.09648) |
| Sulawesi Selatan | Drowning                                      | 60  | 5.2 (2.2, 10.6)      | 0.0000466 (0.0000193, 0.0000953) | 0.00208 (0.00087, 0.00409) | 3.2 (1.2, 6.6)       | 0.0000243 (0.0000090, 0.0000502) | 0.00155 (0.00061, 0.00313) |
| Sulawesi Selatan | Falls                                         | 60  | 28.5 (17.8, 43.8)    | 0.0002555 (0.0001593, 0.0003929) | 0.01136 (0.00772, 0.01624) | 18.7 (12.7, 27.1)    | 0.0001417 (0.0000964, 0.0002058) | 0.00903 (0.00621, 0.01273) |
| Sulawesi Selatan | Interpersonal violence                        | 60  | 3.3 (1.8, 5.7)       | 0.0000299 (0.0000162, 0.0000508) | 0.00133 (0.00071, 0.00219) | 1.8 (0.9, 3.3)       | 0.0000138 (0.0000072, 0.0000249) | 0.00088 (0.00046, 0.00154) |
| Sulawesi Selatan | Self-harm                                     | 60  | 12.3 (6.9, 20.1)     | 0.0001104 (0.0000621, 0.0001798) | 0.00491 (0.00301, 0.00762) | 5.1 (2.7, 8.9)       | 0.0000386 (0.0000208, 0.0000676) | 0.00246 (0.00135, 0.00406) |
| Sulawesi Selatan | Transport injuries                            | 60  | 72.0 (50.0, 98.0)    | 0.0006454 (0.0004487, 0.0008784) | 0.02873 (0.02228, 0.03573) | 28.9 (20.5, 39.5)    | 0.0002195 (0.0001554, 0.0002998) | 0.01398 (0.01048, 0.01832) |
| Sulawesi Selatan | Other unintentional injuries                  | 60  | 20.8 (13.3, 30.3)    | 0.0001864 (0.0001194, 0.0002714) | 0.0083 (0.00565, 0.01150)  | 8.8 (5.7, 12.7)      | 0.0000665 (0.0000436, 0.0000966) | 0.00424 (0.00282, 0.00602) |
| Sulawesi Selatan | Diarrheal diseases                            | 65  | 77.7 (53.2, 107.4)   | 0.000962 (0.0006583, 0.0013298)  | 0.03021 (0.02378, 0.03768) | 107.6 (81.4, 136.7)  | 0.0010634 (0.0008044, 0.0013512) | 0.04492 (0.03619, 0.05436) |
| Sulawesi Selatan | HIV/AIDS                                      | 65  | 0.7 (0.2, 1.5)       | 0.0000083 (0.0000028, 0.0000183) | 0.00026 (0.00009, 0.00054) | 0.7 (0.2, 1.4)       | 0.0000065 (0.0000024, 0.0000141) | 0.00027 (0.00010, 0.00058) |
| Sulawesi Selatan | Lower respiratory infections                  | 65  | 75.8 (52.1, 104.8)   | 0.0009385 (0.0006454, 0.0012967) | 0.02945 (0.02347, 0.03714) | 82.3 (60.5, 107.2)   | 0.0008139 (0.0005981, 0.0010593) | 0.03437 (0.02713, 0.04317) |
| Sulawesi Selatan | Malaria                                       | 65  | 10.2 (4.9, 18.8)     | 0.0001257 (0.0000608, 0.0002322) | 0.00395 (0.00211, 0.00673) | 6.2 (2.9, 11.9)      | 0.0000609 (0.0000291, 0.0001176) | 0.00257 (0.00126, 0.00484) |
| Sulawesi Selatan | Tuberculosis                                  | 65  | 245.1 (181.1, 320.6) | 0.0030332 (0.0022411, 0.0039683) | 0.09517 (0.08428, 0.10716) | 156.2 (123.6, 196.0) | 0.0015438 (0.0012214, 0.0019368) | 0.06518 (0.05590, 0.07604) |
| Sulawesi Selatan | Other communicable diseases                   | 65  | 65.7 (45.4, 92.1)    | 0.0008133 (0.0005618, 0.0011403) | 0.02554 (0.01966, 0.03200) | 72.6 (52.6, 95.1)    | 0.0007172 (0.0005199, 0.0009395) | 0.03029 (0.02329, 0.03835) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 65  | 34.5 (19.8, 55.5)    | 0.0004269 (0.0002448, 0.0006874) | 0.01339 (0.00846, 0.01990) | 9.7 (5.5, 15.4)      | 0.0000955 (0.0000542, 0.0001520) | 0.00403 (0.00243, 0.00628) |
| Sulawesi Selatan | Breast cancer                                 | 65  | 1.4 (0.6, 2.9)       | 0.0000176 (0.0000071, 0.0000362) | 0.00055 (0.00024, 0.00109) | 53.5 (37.3, 73.4)    | 0.000529 (0.0003686, 0.0007254)  | 0.02234 (0.01639, 0.02925) |
| Sulawesi Selatan | Cervical cancer                               | 65  |                      |                                  |                            | 17.0 (9.2, 28.1)     | 0.0001684 (0.0000908, 0.0002780) | 0.00712 (0.00391, 0.01153) |
| Sulawesi Selatan | Other malignant neoplasms                     | 65  | 87.6 (62.7, 114.6)   | 0.001084 (0.0007763, 0.0014188)  | 0.03404 (0.02844, 0.04010) | 84.4 (62.4, 110.5)   | 0.0008346 (0.0006166, 0.0010919) | 0.03523 (0.02795, 0.04342) |
| Sulawesi Selatan | Cerebrovascular disease                       | 65  | 413.7 (308.1, 524.2) | 0.0051202 (0.0038133, 0.0064884) | 0.1607 (0.14600, 0.17613)  | 479.5 (399.6, 582.4) | 0.0047389 (0.0039498, 0.0057564) | 0.20015 (0.18397, 0.21817) |
| Sulawesi Selatan | Ischemic heart disease                        | 65  | 517.9 (384.7, 655.5) | 0.0064107 (0.0047610, 0.0081133) | 0.20113 (0.18420, 0.21876) | 375.2 (306.4, 455.2) | 0.0037082 (0.0030284, 0.0044988) | 0.15662 (0.14091, 0.17253) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 65  | 85.5 (58.9, 120.2)   | 0.0010587 (0.0007287, 0.0014872) | 0.03321 (0.02633, 0.04237) | 108.7 (81.1, 143.0)  | 0.0010748 (0.0008020, 0.0014130) | 0.0454 (0.03630, 0.05621)  |
| Sulawesi Selatan | Diabetes mellitus                             | 65  | 134.7 (95.8, 179.1)  | 0.0016671 (0.0011859, 0.0022173) | 0.05231 (0.04406, 0.06124) | 199.4 (156.7, 250.0) | 0.0019708 (0.0015488, 0.0024706) | 0.08322 (0.07111, 0.09700) |
| Sulawesi Selatan | Chronic kidney disease                        | 65  | 63.8 (44.2, 85.7)    | 0.0007892 (0.0005476, 0.0010613) | 0.02478 (0.01970, 0.03000) | 50.5 (37.2, 65.6)    | 0.0004991 (0.0003675, 0.0006488) | 0.02108 (0.01652, 0.02612) |
| Sulawesi Selatan | Cirrhosis                                     | 65  | 101.6 (71.6, 137.8)  | 0.0012572 (0.0008857, 0.0017052) | 0.03945 (0.03192, 0.04728) | 76.6 (57.6, 98.4)    | 0.0007573 (0.0005693, 0.0009731) | 0.03198 (0.02538, 0.03898) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 65  | 320.0 (236.2, 413.8) | 0.003961 (0.0029235, 0.0051215)  | 0.12429 (0.10977, 0.13995) | 214.7 (170.8, 265.1) | 0.0021218 (0.0016885, 0.0026204) | 0.08962 (0.07840, 0.10228) |
| Sulawesi Selatan | Other non-communicable diseases               | 65  | 212.6 (155.5, 275.3) | 0.0026314 (0.0019248, 0.0034081) | 0.08257 (0.07213, 0.09376) | 231.1 (188.5, 284.1) | 0.0022842 (0.0018631, 0.0028083) | 0.09648 (0.08482, 0.10993) |
| Sulawesi Selatan | Drowning                                      | 65  | 4.2 (1.6, 8.6)       | 0.0000521 (0.0000203, 0.0001062) | 0.00163 (0.00066, 0.00322) | 3.3 (1.2, 6.9)       | 0.0000321 (0.0000122, 0.0000681) | 0.00136 (0.00054, 0.00273) |
| Sulawesi Selatan | Falls                                         | 65  | 29.7 (17.9, 46.4)    | 0.0003673 (0.0002219, 0.0005745) | 0.01151 (0.00784, 0.01648) | 23.4 (15.6, 33.9)    | 0.0002315 (0.0001541, 0.0003352) | 0.00978 (0.00664, 0.01378) |
| Sulawesi Selatan | Interpersonal violence                        | 65  | 2.6 (1.3, 4.9)       | 0.0000323 (0.0000156, 0.0000610) | 0.00101 (0.00052, 0.00181) | 1.5 (0.7, 2.9)       | 0.0000149 (0.0000071, 0.0000288) | 0.00063 (0.00031, 0.00120) |
| Sulawesi Selatan | Self-harm                                     | 65  | 11.0 (5.9, 18.6)     | 0.0001364 (0.0000729, 0.0002306) | 0.00428 (0.00256, 0.00664) | 4.7 (2.6, 8.3)       | 0.0000467 (0.0000254, 0.0000822) | 0.00197 (0.00111, 0.00346) |
| Sulawesi Selatan | Transport injuries                            | 65  | 59.8 (39.1, 83.3)    | 0.0007397 (0.0004842, 0.0010309) | 0.0232 (0.01782, 0.02944)  | 27.9 (19.0, 38.6)    | 0.0002756 (0.0001877, 0.0003812) | 0.01163 (0.00851, 0.01528) |
| Sulawesi Selatan | Other unintentional injuries                  | 65  | 19.0 (11.3, 28.6)    | 0.0002347 (0.0001402, 0.0003541) | 0.00737 (0.00500, 0.01040) | 9.0 (5.7, 13.3)      | 0.0000886 (0.0000568, 0.0001311) | 0.00375 (0.00246, 0.00542) |
| Sulawesi Selatan | Diarrheal diseases                            | 70  | 121.3 (85.3, 161.4)  | 0.0022308 (0.0015689, 0.0029683) | 0.04463 (0.03690, 0.05302) | 177.6 (141.6, 216.3) | 0.0023377 (0.0018642, 0.0028466) | 0.06083 (0.05075, 0.07145) |
| Sulawesi Selatan | HIV/AIDS                                      | 70  | 0.9 (0.3, 2.2)       | 0.000017 (0.0000059, 0.0000397)  | 0.00034 (0.00012, 0.00074) | 1.0 (0.4, 2.3)       | 0.0000131 (0.0000048, 0.0000299) | 0.00034 (0.00013, 0.00078) |
| Sulawesi Selatan | Lower respiratory infections                  | 70  | 105.2 (71.1, 144.9)  | 0.0019345 (0.0013082, 0.0026648) | 0.03868 (0.03115, 0.04824) | 127.8 (99.7, 162.7)  | 0.0016825 (0.0013119, 0.0021409) | 0.04378 (0.03546, 0.05315) |
| Sulawesi Selatan | Malaria                                       | 70  | 9.5 (4.4, 17.6)      | 0.000174 (0.0000802, 0.0003228)  | 0.00348 (0.00178, 0.00609) | 6.1 (2.6, 12.0)      | 0.0000809 (0.0000348, 0.0001584) | 0.0021 (0.00095, 0.00405)  |
| Sulawesi Selatan | Tuberculosis                                  | 70  | 247.2 (179.4, 320.4) | 0.0045467 (0.0032998, 0.0058928) | 0.09093 (0.07942, 0.10386) | 179.5 (143.7, 223.6) | 0.0023626 (0.0018907, 0.0029427) | 0.06148 (0.05254, 0.07256) |
| Sulawesi Selatan | Other communicable diseases                   | 70  | 78.3 (54.5, 108.0)   | 0.0014399 (0.0010031, 0.0019854) | 0.02884 (0.02288, 0.03586) | 91.7 (68.2, 121.1)   | 0.0012074 (0.0008978, 0.0015944) | 0.0314 (0.02448, 0.03958)  |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 70  | 29.1 (16.6, 47.1)    | 0.0005358 (0.0003044, 0.0008653) | 0.01072 (0.00684, 0.01615) | 9.2 (5.1, 15.1)      | 0.0001217 (0.0000670, 0.0001986) | 0.00317 (0.00184, 0.00503) |
| Sulawesi Selatan | Breast cancer                                 | 70  | 1.0 (0.4, 2.2)       | 0.0000178 (0.0000065, 0.0000403) | 0.00036 (0.00014, 0.00076) | 36.6 (25.0, 51.6)    | 0.0004823 (0.0003295, 0.0006797) | 0.01255 (0.00884, 0.01733) |
| Sulawesi Selatan | Cervical cancer                               | 70  |                      |                                  |                            | 11.8 (5.9, 19.9)     | 0.0001547 (0.0000778, 0.0002622) | 0.00403 (0.00204, 0.00682) |
| Sulawesi Selatan | Other malignant neoplasms                     | 70  | 67.3 (47.8, 89.5)    | 0.0012379 (0.0008782, 0.0016463) | 0.02478 (0.02057, 0.02936) | 79.5 (59.2, 100.9)   | 0.0010465 (0.0007790, 0.0013278) | 0.02722 (0.02156, 0.03356) |
| Sulawesi Selatan | Cerebrovascular disease                       | 70  | 444.8 (323.6, 566.0) | 0.0081801 (0.0059513, 0.0104092) | 0.16364 (0.14905, 0.17886) | 607.1 (513.2, 720.0) | 0.00799 (0.0067540, 0.0094759)   | 0.20788 (0.19184, 0.22546) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                  |                            | Females                    |                                  |                            |
|------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                  |                                               |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan | Ischemic heart disease                        | 70  | 505.5 (371.1, 651.0) | 0.0092958 (0.0068251, 0.0119709) | 0.1859 (0.16960, 0.20290)  | 453.3 (378.0, 534.9)       | 0.0059655 (0.0049754, 0.0070402) | 0.15523 (0.13910, 0.17156) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 70  | 96.2 (64.9, 135.5)   | 0.0017695 (0.0011939, 0.0024915) | 0.03537 (0.02799, 0.04444) | 140.0 (106.1, 180.5)       | 0.001843 (0.0013968, 0.0023763)  | 0.04796 (0.03839, 0.05922) |
| Sulawesi Selatan | Diabetes mellitus                             | 70  | 100.4 (69.7, 134.5)  | 0.0018469 (0.0012813, 0.0024726) | 0.03694 (0.03091, 0.04360) | 177.6 (137.7, 225.5)       | 0.0023369 (0.0018119, 0.0029677) | 0.0608 (0.05100, 0.07205)  |
| Sulawesi Selatan | Chronic kidney disease                        | 70  | 54.6 (37.1, 74.4)    | 0.0010042 (0.0006821, 0.0013673) | 0.02009 (0.01604, 0.02442) | 51.3 (37.9, 67.3)          | 0.0006747 (0.0004985, 0.0008854) | 0.01755 (0.01367, 0.02190) |
| Sulawesi Selatan | Cirrhosis                                     | 70  | 89.7 (61.3, 122.6)   | 0.0016496 (0.0011264, 0.0022548) | 0.03299 (0.02645, 0.04003) | 79.8 (59.8, 101.7)         | 0.00105 (0.0007868, 0.0013388)   | 0.02732 (0.02168, 0.03399) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 70  | 389.7 (287.2, 502.3) | 0.007167 (0.0052808, 0.0092363)  | 0.14333 (0.12767, 0.15932) | 297.0 (243.8, 354.9)       | 0.0039086 (0.0032086, 0.0046716) | 0.1017 (0.08939, 0.11492)  |
| Sulawesi Selatan | Other non-communicable diseases               | 70  | 243.6 (175.9, 314.7) | 0.0044807 (0.0032340, 0.0057867) | 0.08962 (0.07905, 0.10126) | 307.6 (251.7, 367.6)       | 0.0040489 (0.0033124, 0.0048377) | 0.10535 (0.09343, 0.11912) |
| Sulawesi Selatan | Drowning                                      | 70  | 8.1 (3.5, 15.0)      | 0.0001492 (0.0000649, 0.0002757) | 0.00299 (0.00144, 0.00547) | 6.9 (3.3, 12.9)            | 0.0000913 (0.0000435, 0.0001701) | 0.00237 (0.00118, 0.00424) |
| Sulawesi Selatan | Falls                                         | 70  | 36.3 (22.1, 56.0)    | 0.0006683 (0.0004057, 0.0010294) | 0.01335 (0.00934, 0.01885) | 31.9 (21.7, 45.2)          | 0.0004194 (0.0002850, 0.0005951) | 0.01092 (0.00784, 0.01492) |
| Sulawesi Selatan | Interpersonal violence                        | 70  | 1.8 (0.8, 3.6)       | 0.000033 (0.0000140, 0.0000667)  | 0.00066 (0.00031, 0.00125) | 1.2 (0.5, 2.5)             | 0.0000154 (0.0000065, 0.0000331) | 0.0004 (0.00017, 0.00084)  |
| Sulawesi Selatan | Self-harm                                     | 70  | 8.8 (4.6, 15.1)      | 0.0001612 (0.0000852, 0.0002768) | 0.00322 (0.00188, 0.00530) | 4.2 (2.1, 8.0)             | 0.0000559 (0.0000281, 0.0001049) | 0.00145 (0.00074, 0.00265) |
| Sulawesi Selatan | Transport injuries                            | 70  | 60.4 (39.6, 86.6)    | 0.0011099 (0.0007276, 0.0015922) | 0.02219 (0.01639, 0.02844) | 31.4 (21.4, 43.0)          | 0.000413 (0.0002815, 0.0005655)  | 0.01074 (0.00762, 0.01437) |
| Sulawesi Selatan | Other unintentional injuries                  | 70  | 18.8 (11.3, 28.3)    | 0.0003466 (0.0002085, 0.0005213) | 0.00693 (0.00480, 0.00984) | 10.0 (6.4, 15.1)           | 0.0001313 (0.0000837, 0.0001985) | 0.00342 (0.00219, 0.00492) |
| Sulawesi Selatan | Diarrheal diseases                            | 75  | 114.6 (79.9, 154.1)  | 0.0038093 (0.0026584, 0.0051246) | 0.05504 (0.04558, 0.06473) | 191.6 (154.0, 230.4)       | 0.0043034 (0.0034574, 0.0051747) | 0.07018 (0.05926, 0.08070) |
| Sulawesi Selatan | HIV/AIDS                                      | 75  | 0.6 (0.2, 1.4)       | 0.0000185 (0.0000061, 0.0000451) | 0.00027 (0.00009, 0.00061) | 0.7 (0.3, 1.6)             | 0.0000158 (0.0000058, 0.0000357) | 0.00026 (0.00009, 0.00058) |
| Sulawesi Selatan | Lower respiratory infections                  | 75  | 87.6 (59.2, 121.7)   | 0.0029126 (0.0019698, 0.0040482) | 0.04206 (0.03394, 0.05131) | 120.6 (94.0, 150.2)        | 0.0027078 (0.0021115, 0.0033737) | 0.04415 (0.03587, 0.05343) |
| Sulawesi Selatan | Malaria                                       | 75  | 7.3 (3.2, 14.2)      | 0.0002412 (0.0001058, 0.0004710) | 0.00349 (0.00164, 0.00629) | 5.8 (2.4, 11.5)            | 0.0001292 (0.0000544, 0.0002591) | 0.00211 (0.00089, 0.00413) |
| Sulawesi Selatan | Tuberculosis                                  | 75  | 158.0 (110.4, 213.5) | 0.0052547 (0.0036695, 0.0070984) | 0.07588 (0.06534, 0.08801) | 139.4 (111.0, 171.4)       | 0.0031314 (0.0024922, 0.0038489) | 0.05106 (0.04298, 0.06131) |
| Sulawesi Selatan | Other communicable diseases                   | 75  | 60.7 (40.0, 87.6)    | 0.0020183 (0.0013294, 0.0029133) | 0.02918 (0.02238, 0.03644) | 79.7 (52.9, 103.6)         | 0.0017887 (0.0013305, 0.0023269) | 0.02917 (0.02203, 0.03651) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 75  | 17.4 (9.8, 29.2)     | 0.0005796 (0.0003249, 0.0009710) | 0.00838 (0.00520, 0.01275) | 6.5 (3.6, 10.9)            | 0.0001467 (0.0000814, 0.0002455) | 0.00239 (0.00137, 0.00397) |
| Sulawesi Selatan | Breast cancer                                 | 75  | 0.5 (0.1, 1.2)       | 0.0000157 (0.0000049, 0.0000386) | 0.00023 (0.00008, 0.00053) | 22.0 (14.2, 32.8)          | 0.0004932 (0.0003182, 0.0007363) | 0.00804 (0.00532, 0.01160) |
| Sulawesi Selatan | Cervical cancer                               | 75  |                      |                                  |                            | 6.5 (3.1, 11.7)            | 0.0001464 (0.0000697, 0.0002626) | 0.00239 (0.00118, 0.00423) |
| Sulawesi Selatan | Other malignant neoplasms                     | 75  | 38.4 (26.7, 52.3)    | 0.0012776 (0.0008869, 0.0017386) | 0.01847 (0.01496, 0.02212) | 62.6 (46.8, 79.3)          | 0.0014048 (0.0010498, 0.0017810) | 0.0229 (0.01792, 0.02793)  |
| Sulawesi Selatan | Cerebrovascular disease                       | 75  | 342.4 (243.4, 446.5) | 0.0113838 (0.0081246, 0.0148468) | 0.16445 (0.14838, 0.17922) | 569.5 (485.0, 664.6)       | 0.0127882 (0.0108913, 0.0149242) | 0.20852 (0.19113, 0.22561) |
| Sulawesi Selatan | Ischemic heart disease                        | 75  | 412.6 (295.4, 539.6) | 0.0137182 (0.0098236, 0.0179407) | 0.19811 (0.18097, 0.21633) | 464.3 (389.7, 541.5)       | 0.0104266 (0.0087524, 0.0121606) | 0.17004 (0.15381, 0.18775) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 75  | 74.8 (50.0, 107.5)   | 0.0024861 (0.0016615, 0.0035743) | 0.03588 (0.02802, 0.04539) | 135.1 (101.6, 173.3)       | 0.0030328 (0.0022811, 0.0038923) | 0.04946 (0.03906, 0.06204) |
| Sulawesi Selatan | Diabetes mellitus                             | 75  | 63.6 (42.8, 88.6)    | 0.0021161 (0.0014217, 0.0029463) | 0.03056 (0.02481, 0.03664) | 140.8 (110.2, 174.8)       | 0.003161 (0.0024749, 0.0039256)  | 0.05155 (0.04232, 0.06151) |
| Sulawesi Selatan | Chronic kidney disease                        | 75  | 36.5 (24.6, 50.4)    | 0.0012135 (0.0008165, 0.0016755) | 0.01753 (0.01380, 0.02152) | 43.3 (32.1, 56.5)          | 0.0009735 (0.0007200, 0.0012680) | 0.01587 (0.01225, 0.02000) |
| Sulawesi Selatan | Cirrhosis                                     | 75  | 61.4 (41.5, 86.5)    | 0.0020404 (0.0013793, 0.0028776) | 0.02947 (0.02383, 0.03595) | 65.6 (50.0, 84.0)          | 0.0014731 (0.0011229, 0.0018859) | 0.02402 (0.01866, 0.02969) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 75  | 290.6 (208.5, 384.6) | 0.0096613 (0.0069314, 0.0127889) | 0.13949 (0.12486, 0.15543) | 270.8 (223.0, 325.0)       | 0.0060821 (0.0050088, 0.0072992) | 0.09918 (0.08683, 0.11218) |
| Sulawesi Selatan | Other non-communicable diseases               | 75  | 213.2 (151.1, 282.1) | 0.0070907 (0.0050233, 0.0093787) | 0.10242 (0.09038, 0.11531) | 330.4 (275.0, 391.1)       | 0.0074188 (0.0061749, 0.0087827) | 0.12099 (0.10787, 0.13591) |
| Sulawesi Selatan | Drowning                                      | 75  | 9.6 (4.3, 18.4)      | 0.0003199 (0.0001440, 0.0006121) | 0.00464 (0.00232, 0.00830) | 8.5 (4.3, 15.4)            | 0.0001901 (0.0000963, 0.0003457) | 0.0031 (0.00158, 0.00563)  |
| Sulawesi Selatan | Falls                                         | 75  | 35.7 (21.2, 53.8)    | 0.0011885 (0.0007038, 0.0017894) | 0.01717 (0.01214, 0.02352) | 33.7 (23.1, 45.9)          | 0.0007576 (0.0005180, 0.0010311) | 0.01236 (0.00866, 0.01637) |
| Sulawesi Selatan | Interpersonal violence                        | 75  | 1.0 (0.3, 2.6)       | 0.000034 (0.0000111, 0.0000865)  | 0.00049 (0.00018, 0.00121) | 0.8 (0.3, 2.0)             | 0.000018 (0.0000061, 0.0000459)  | 0.00029 (0.00010, 0.00075) |
| Sulawesi Selatan | Self-harm                                     | 75  | 6.0 (2.8, 10.8)      | 0.0001983 (0.0000947, 0.0003575) | 0.00286 (0.00154, 0.00490) | 3.5 (1.7, 6.6)             | 0.0000797 (0.0000388, 0.0001475) | 0.0013 (0.00063, 0.00235)  |
| Sulawesi Selatan | Transport injuries                            | 75  | 35.9 (21.5, 54.3)    | 0.0011924 (0.0007134, 0.0018053) | 0.01723 (0.01196, 0.02360) | 20.6 (12.9, 30.1)          | 0.0004634 (0.0002905, 0.0006764) | 0.00755 (0.00488, 0.01081) |
| Sulawesi Selatan | Other unintentional injuries                  | 75  | 14.0 (7.9, 22.7)     | 0.0004645 (0.0002620, 0.0007558) | 0.00671 (0.00427, 0.00971) | 8.5 (5.3, 13.0)            | 0.0001904 (0.0001185, 0.0002919) | 0.0031 (0.00198, 0.00472)  |
| Sulawesi Selatan | Diarrheal diseases                            | 80  | 343.9 (266.1, 429.7) | 0.0128695 (0.0099585, 0.0160805) | 0.0939 (0.08109, 0.10724)  | 644.6 (542.7, 744.0)       | 0.0142748 (0.0120177, 0.0164757) | 0.10415 (0.09165, 0.11675) |
| Sulawesi Selatan | HIV/AIDS                                      | 80  | 1.0 (0.3, 2.7)       | 0.0000379 (0.0000103, 0.0001017) | 0.00028 (0.00008, 0.00075) | 1.6 (0.5, 4.2)             | 0.0000357 (0.0000103, 0.0000929) | 0.00026 (0.00008, 0.00070) |
| Sulawesi Selatan | Lower respiratory infections                  | 80  | 183.4 (136.8, 241.5) | 0.006863 (0.0051192, 0.0090388)  | 0.05007 (0.04014, 0.06073) | 297.6 (235.6, 366.0)       | 0.0065899 (0.0052168, 0.0081044) | 0.04807 (0.03933, 0.05809) |
| Sulawesi Selatan | Malaria                                       | 80  | 13.7 (5.4, 27.8)     | 0.0005109 (0.0002031, 0.0010416) | 0.00373 (0.00151, 0.00740) | 14.6 (5.7, 29.7)           | 0.0003231 (0.0001252, 0.0006573) | 0.00236 (0.00091, 0.00476) |
| Sulawesi Selatan | Tuberculosis                                  | 80  | 248.4 (189.1, 314.6) | 0.0092969 (0.0070783, 0.0117748) | 0.06782 (0.05719, 0.08021) | 316.5 (258.4, 379.5)       | 0.0070099 (0.0057221, 0.0084044) | 0.05114 (0.04217, 0.06083) |
| Sulawesi Selatan | Other communicable diseases                   | 80  | 126.1 (89.5, 169.9)  | 0.0047208 (0.0033505, 0.0063586) | 0.03446 (0.02649, 0.04403) | 176.7 (132.2, 230.6)       | 0.0039142 (0.0029277, 0.0051068) | 0.02856 (0.02174, 0.03652) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 80  | 22.1 (12.5, 36.3)    | 0.000826 (0.0004667, 0.0013572)  | 0.00603 (0.00350, 0.00973) | 12.1 (6.3, 21.2)           | 0.0002679 (0.0001397, 0.0004684) | 0.00196 (0.00104, 0.00347) |
| Sulawesi Selatan | Breast cancer                                 | 80  | 0.6 (0.2, 1.5)       | 0.0000217 (0.0000061, 0.0000575) | 0.00016 (0.00005, 0.00041) | 34.3 (19.9, 55.5)          | 0.0007606 (0.0004413, 0.0012286) | 0.00555 (0.00322, 0.00892) |
| Sulawesi Selatan | Cervical cancer                               | 80  |                      |                                  |                            | 7.8 (3.1, 16.3)            | 0.0001732 (0.0000690, 0.0003617) | 0.00126 (0.00051, 0.00260) |
| Sulawesi Selatan | Other malignant neoplasms                     | 80  | 53.0 (38.5, 71.5)    | 0.001984 (0.0014391, 0.0026747)  | 0.01448 (0.01134, 0.01822) | 112.5 (84.6, 146.6)        | 0.0024924 (0.0018734, 0.0032457) | 0.01818 (0.01374, 0.02333) |
| Sulawesi Selatan | Cerebrovascular disease                       | 80  | 595.0 (468.7, 724.4) | 0.0222668 (0.0175400, 0.0271093) | 0.16243 (0.14604, 0.17946) | 1,249.5 (1,096.1, 1,412.4) | 0.0276704 (0.0242737, 0.0312798) | 0.20186 (0.18314, 0.21974) |
| Sulawesi Selatan | Ischemic heart disease                        | 80  | 642.9 (504.6, 786.9) | 0.0240588 (0.0188838, 0.0294504) | 0.17551 (0.15799, 0.19399) | 1,020.0 (882.7, 1,167.6)   | 0.0225879 (0.0195489, 0.0258579) | 0.1648 (0.14673, 0.18305)  |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 80  | 120.1 (84.6, 165.5)  | 0.0044938 (0.0031677, 0.0061955) | 0.03276 (0.02477, 0.04229) | 281.7 (217.9, 358.7)       | 0.0062374 (0.0048262, 0.0079445) | 0.04551 (0.03580, 0.05741) |
| Sulawesi Selatan | Diabetes mellitus                             | 80  | 85.7 (62.4, 113.5)   | 0.0032065 (0.0023369, 0.0042464) | 0.02339 (0.01878, 0.02857) | 256.5 (203.7, 315.9)       | 0.0056796 (0.0045121, 0.0069965) | 0.04144 (0.03369, 0.05028) |
| Sulawesi Selatan | Chronic kidney disease                        | 80  | 50.3 (35.5, 67.7)    | 0.0018812 (0.0013279, 0.0025338) | 0.01372 (0.01043, 0.01726) | 83.9 (61.4, 108.2)         | 0.0018587 (0.0013605, 0.0023951) | 0.01356 (0.01018, 0.01732) |
| Sulawesi Selatan | Cirrhosis                                     | 80  | 90.2 (65.0, 120.5)   | 0.0033741 (0.0024335, 0.0045099) | 0.02462 (0.01943, 0.03040) | 117.8 (88.7, 147.9)        | 0.0026098 (0.0019649, 0.0032745) | 0.01904 (0.01448, 0.02386) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 80  | 495.8 (391.1, 606.8) | 0.018554 (0.0146361, 0.0227085)  | 0.13534 (0.12054, 0.15047) | 604.6 (510.5, 702.0)       | 0.0133904 (0.0113060, 0.0155473) | 0.09768 (0.08532, 0.11066) |
| Sulawesi Selatan | Other non-communicable diseases               | 80  | 406.1 (314.4, 504.5) | 0.0151981 (0.0117653, 0.0188829) | 0.11087 (0.09755, 0.12546) | 802.6 (686.5, 931.5)       | 0.0177743 (0.0152030, 0.0206287) | 0.12968 (0.11474, 0.14632) |
| Sulawesi Selatan | Drowning                                      | 80  | 17.3 (7.6, 35.2)     | 0.0006493 (0.0002862, 0.0013167) | 0.00474 (0.00214, 0.00888) | 14.1 (6.0, 26.7)           | 0.000313 (0.0001325, 0.0005923)  | 0.00228 (0.00097, 0.00434) |
| Sulawesi Selatan | Falls                                         | 80  | 82.4 (53.9, 119.7)   | 0.0030843 (0.0020171, 0.0044812) | 0.02249 (0.01588, 0.03109) | 80.4 (57.5, 110.8)         | 0.0017804 (0.0012725, 0.0024528) | 0.01299 (0.00925, 0.01731) |
| Sulawesi Selatan | Interpersonal violence                        | 80  | 1.3 (0.3, 3.5)       | 0.0000478 (0.0000104, 0.0001300) | 0.00035 (0.00007, 0.00097) | 1.4 (0.3, 4.1)             | 0.0000314 (0.0000069, 0.0000911) | 0.00023 (0.00005, 0.00068) |
| Sulawesi Selatan | Self-harm                                     | 80  | 8.8 (3.8, 16.1)      | 0.0003283 (0.0001435, 0.0006040) | 0.00239 (0.00112, 0.00437) | 7.8 (3.3, 14.6)            | 0.0001722 (0.0000736, 0.0003237) | 0.00126 (0.00054, 0.00235) |
| Sulawesi Selatan | Transport injuries                            | 80  | 53.0 (32.5, 77.8)    | 0.001982 (0.0012180, 0.0029101)  | 0.01447 (0.00945, 0.02055) | 34.3 (21.0, 53.2)          | 0.0007592 (0.0004653, 0.0011782) | 0.00554 (0.00349, 0.00846) |
| Sulawesi Selatan | Other unintentional injuries                  | 80  | 21.9 (12.2, 36.0)    | 0.000821 (0.0004548, 0.0013476)  | 0.00598 (0.00358, 0.00931) | 16.4 (9.4, 26.5)           | 0.0003623 (0.0002087, 0.0005867) | 0.00264 (0.00153, 0.00423) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                      |                                  |                            | Females                    |                                  |                            |
|-------------------|----------------------------------------------------------|-----|----------------------------|----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                   |                                                          |     | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Selatan  | Diarrheal diseases                                       | All | 1,305.6 (997.7, 1,693.3)   | 0.0003098 (0.0002368, 0.0004018) | 0.04702 (0.03917, 0.05643) | 1,817.0 (1,473.4, 2,210.6) | 0.0004111 (0.0003334, 0.0005001) | 0.06805 (0.05829, 0.07905) |
| Sulawesi Selatan  | HIV/AIDS                                                 | All | 91.4 (46.5, 162.6)         | 0.0000217 (0.0000110, 0.0000386) | 0.0033 (0.00168, 0.00566)  | 59.5 (29.3, 106.3)         | 0.0000135 (0.0000066, 0.0000241) | 0.00222 (0.00116, 0.00399) |
| Sulawesi Selatan  | Lower respiratory infections                             | All | 1,491.9 (1,082.6, 1,942.6) | 0.000354 (0.0002569, 0.0004610)  | 0.05372 (0.04319, 0.06561) | 1,365.2 (1,055.0, 1,711.6) | 0.0003089 (0.0002387, 0.0003872) | 0.05108 (0.04166, 0.06083) |
| Sulawesi Selatan  | Malaria                                                  | All | 126.0 (64.8, 216.8)        | 0.0000299 (0.0000154, 0.0000515) | 0.00454 (0.00251, 0.00754) | 86.7 (44.1, 153.9)         | 0.0000196 (0.0000100, 0.0000348) | 0.00325 (0.00166, 0.00562) |
| Sulawesi Selatan  | Tuberculosis                                             | All | 2,284.9 (1,811.5, 2,867.3) | 0.0005422 (0.0004299, 0.0006805) | 0.08219 (0.07249, 0.09329) | 1,562.2 (1,292.4, 1,890.7) | 0.0003534 (0.0002924, 0.0004278) | 0.05849 (0.05110, 0.06707) |
| Sulawesi Selatan  | Maternal disorders                                       | All |                            |                                  |                            | 107.9 (77.0, 143.6)        | 0.0000244 (0.0000174, 0.0000325) | 0.00404 (0.00294, 0.00517) |
| Sulawesi Selatan  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 599.6 (290.3, 992.3)       | 0.0001423 (0.0000689, 0.0002355) | 0.02156 (0.01050, 0.03579) | 419.3 (202.9, 724.1)       | 0.0000949 (0.0000459, 0.0001638) | 0.01561 (0.00778, 0.02572) |
| Sulawesi Selatan  | Preterm birth complications                              | All | 393.1 (180.7, 684.4)       | 0.0000933 (0.0000429, 0.0001624) | 0.01411 (0.00652, 0.02415) | 371.4 (181.0, 673.3)       | 0.000084 (0.0000409, 0.0001523)  | 0.01382 (0.00688, 0.02402) |
| Sulawesi Selatan  | Other neonatal disorders                                 | All | 472.3 (208.4, 829.1)       | 0.0001121 (0.0000495, 0.0001968) | 0.01699 (0.00775, 0.03033) | 323.6 (147.4, 607.9)       | 0.0000732 (0.0000334, 0.0001375) | 0.01205 (0.00564, 0.02187) |
| Sulawesi Selatan  | Other communicable diseases                              | All | 1,825.1 (1,414.2, 2,269.8) | 0.0004331 (0.0003356, 0.0005387) | 0.06586 (0.05437, 0.07862) | 1,509.4 (1,172.2, 1,914.9) | 0.0003415 (0.0002652, 0.0004332) | 0.05648 (0.04682, 0.06860) |
| Sulawesi Selatan  | Tracheal, bronchus, and lung cancer                      | All | 273.3 (169.9, 416.4)       | 0.0000649 (0.0000403, 0.0000988) | 0.00983 (0.00650, 0.01449) | 98.4 (58.9, 148.5)         | 0.0000223 (0.0000133, 0.0000336) | 0.00368 (0.00233, 0.00559) |
| Sulawesi Selatan  | Breast cancer                                            | All | 14.4 (7.3, 26.0)           | 0.0000034 (0.0000017, 0.0000062) | 0.00052 (0.00027, 0.00090) | 671.9 (501.4, 882.3)       | 0.000152 (0.0001134, 0.0001996)  | 0.02513 (0.01987, 0.03141) |
| Sulawesi Selatan  | Cervical cancer                                          | All |                            |                                  |                            | 209.4 (121.5, 321.2)       | 0.0000474 (0.0000275, 0.0000727) | 0.00784 (0.00470, 0.01205) |
| Sulawesi Selatan  | Other malignant neoplasms                                | All | 1,003.6 (776.3, 1,281.1)   | 0.0002382 (0.0001842, 0.0003040) | 0.03614 (0.03051, 0.04233) | 847.4 (651.8, 1,054.8)     | 0.0001917 (0.0001475, 0.0002386) | 0.03171 (0.02606, 0.03805) |
| Sulawesi Selatan  | Cerebrovascular disease                                  | All | 2,927.9 (2,243.6, 3,659.0) | 0.0006948 (0.0005324, 0.0008683) | 0.1052 (0.09104, 0.11910)  | 3,997.8 (3,408.5, 4,695.3) | 0.0009045 (0.0007712, 0.0010623) | 0.14976 (0.13449, 0.16630) |
| Sulawesi Selatan  | Ischemic heart disease                                   | All | 3,909.0 (3,014.7, 4,924.0) | 0.0009277 (0.0007154, 0.0011686) | 0.14047 (0.12250, 0.15734) | 3,418.8 (2,862.7, 4,003.7) | 0.0007735 (0.0006477, 0.0009058) | 0.12805 (0.11375, 0.14282) |
| Sulawesi Selatan  | Other cardiovascular and circulatory diseases            | All | 618.8 (436.6, 848.7)       | 0.0001468 (0.0001036, 0.0002014) | 0.02222 (0.01748, 0.02792) | 941.8 (720.0, 1,215.0)     | 0.0002131 (0.0001629, 0.0002749) | 0.03528 (0.02801, 0.04392) |
| Sulawesi Selatan  | Diabetes mellitus                                        | All | 974.4 (721.1, 1,284.7)     | 0.0002312 (0.0001711, 0.0003049) | 0.03502 (0.02876, 0.04171) | 1,528.7 (1,216.8, 1,889.5) | 0.0003459 (0.0002753, 0.0004275) | 0.05722 (0.04818, 0.06719) |
| Sulawesi Selatan  | Chronic kidney disease                                   | All | 568.6 (413.6, 736.9)       | 0.0001349 (0.0000982, 0.0001749) | 0.02046 (0.01645, 0.02503) | 496.9 (372.0, 637.8)       | 0.0001124 (0.0000842, 0.0001443) | 0.01861 (0.01448, 0.02307) |
| Sulawesi Selatan  | Cirrhosis                                                | All | 1,072.5 (811.0, 1,403.6)   | 0.0002545 (0.0001925, 0.0003331) | 0.03859 (0.03146, 0.04610) | 756.7 (582.7, 958.1)       | 0.0001712 (0.0001318, 0.0002168) | 0.02833 (0.02237, 0.03425) |
| Sulawesi Selatan  | Chronic respiratory diseases                             | All | 2,394.9 (1,830.4, 3,052.1) | 0.0005683 (0.0004344, 0.0007243) | 0.08605 (0.07393, 0.09844) | 1,920.0 (1,585.7, 2,309.0) | 0.0004344 (0.0003588, 0.0005224) | 0.07191 (0.06279, 0.08179) |
| Sulawesi Selatan  | Other non-communicable diseases                          | All | 2,331.3 (1,832.9, 2,889.9) | 0.0005532 (0.0004350, 0.0006858) | 0.08386 (0.07601, 0.09222) | 2,853.8 (2,415.8, 3,347.1) | 0.0006457 (0.0005466, 0.0007573) | 0.10685 (0.09643, 0.11748) |
| Sulawesi Selatan  | Drowning                                                 | All | 387.9 (279.0, 526.6)       | 0.0000921 (0.0000662, 0.0001250) | 0.01403 (0.01008, 0.01899) | 150.0 (100.8, 209.7)       | 0.0000339 (0.0000228, 0.0000474) | 0.00562 (0.00380, 0.00784) |
| Sulawesi Selatan  | Falls                                                    | All | 399.5 (276.9, 562.2)       | 0.0000948 (0.0000657, 0.0001334) | 0.01437 (0.01068, 0.01899) | 273.5 (200.7, 364.3)       | 0.0000619 (0.0000454, 0.0000824) | 0.01025 (0.00757, 0.01328) |
| Sulawesi Selatan  | Interpersonal violence                                   | All | 86.1 (59.0, 125.3)         | 0.0000204 (0.0000140, 0.0000297) | 0.0031 (0.00219, 0.00429)  | 55.3 (35.5, 81.6)          | 0.0000125 (0.0000080, 0.0000185) | 0.00207 (0.00138, 0.00297) |
| Sulawesi Selatan  | Self-harm                                                | All | 177.1 (113.0, 268.0)       | 0.000042 (0.0000268, 0.0000636)  | 0.00638 (0.00434, 0.00907) | 94.2 (59.4, 146.4)         | 0.0000213 (0.0000134, 0.0000331) | 0.00353 (0.00231, 0.00526) |
| Sulawesi Selatan  | Transport injuries                                       | All | 1,623.5 (1,289.1, 2,048.1) | 0.0003853 (0.0003059, 0.0004861) | 0.05851 (0.04972, 0.06787) | 591.5 (474.5, 729.1)       | 0.0001338 (0.0001074, 0.0001650) | 0.02215 (0.01849, 0.02622) |
| Sulawesi Selatan  | Other unintentional injuries                             | All | 442.6 (322.4, 585.5)       | 0.000105 (0.0000765, 0.0001389)  | 0.01595 (0.01252, 0.02028) | 185.0 (135.4, 245.3)       | 0.0000418 (0.0000306, 0.0000555) | 0.00692 (0.00526, 0.00918) |
| Sulawesi Tenggara | Diarrheal diseases                                       | NN  | 8.3 (2.5, 17.6)            | 0.0035522 (0.0010885, 0.0075730) | 0.01131 (0.00513, 0.02035) | 6.5 (2.2, 14.2)            | 0.0028829 (0.0009528, 0.0062639) | 0.01282 (0.00603, 0.02334) |
| Sulawesi Tenggara | Lower respiratory infections                             | NN  | 82.5 (35.2, 146.6)         | 0.0354747 (0.0151221, 0.0630221) | 0.11265 (0.07339, 0.16013) | 48.9 (21.1, 96.4)          | 0.0215925 (0.0092936, 0.0425437) | 0.09585 (0.06132, 0.13907) |
| Sulawesi Tenggara | Malaria                                                  | NN  | 0.4 (0.0, 2.4)             | 0.0001901 (0.0000083, 0.0010214) | 0.0006 (0.00003, 0.00276)  | 0.3 (0.0, 1.3)             | 0.0001111 (0.0000044, 0.0005564) | 0.0005 (0.00003, 0.00233)  |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 217.3 (100.2, 369.7)       | 0.0933888 (0.0430602, 0.1588953) | 0.29678 (0.22021, 0.38356) | 143.6 (66.2, 255.6)        | 0.0634082 (0.0292394, 0.1128442) | 0.28215 (0.20192, 0.36808) |
| Sulawesi Tenggara | Preterm birth complications                              | NN  | 119.8 (46.8, 226.3)        | 0.0515167 (0.0201067, 0.0972806) | 0.1635 (0.08987, 0.24330)  | 105.4 (42.4, 200.6)        | 0.0465207 (0.0187346, 0.0885752) | 0.20648 (0.11996, 0.29504) |
| Sulawesi Tenggara | Other neonatal disorders                                 | NN  | 165.9 (60.6, 317.5)        | 0.0713105 (0.0260587, 0.1364688) | 0.22695 (0.11974, 0.33784) | 107.0 (39.6, 209.9)        | 0.0472217 (0.0174864, 0.0926666) | 0.20999 (0.10500, 0.32412) |
| Sulawesi Tenggara | Other communicable diseases                              | NN  | 6.8 (2.1, 15.0)            | 0.0029235 (0.0009023, 0.0064440) | 0.00936 (0.00400, 0.01803) | 3.8 (1.1, 9.1)             | 0.0016688 (0.0005032, 0.0040056) | 0.00747 (0.00307, 0.01542) |
| Sulawesi Tenggara | Other malignant neoplasms                                | NN  | 5.6 (1.5, 13.2)            | 0.0023864 (0.0006390, 0.0056914) | 0.00754 (0.00306, 0.01603) | 4.2 (1.2, 10.6)            | 0.0018412 (0.0005096, 0.0046946) | 0.00815 (0.00323, 0.01679) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | NN  | 1.2 (0.3, 3.1)             | 0.0005032 (0.0001117, 0.0013157) | 0.00161 (0.00044, 0.00399) | 1.2 (0.2, 3.2)             | 0.0005161 (0.0001099, 0.0014092) | 0.00229 (0.00067, 0.00543) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | NN  | 1.0 (0.2, 3.0)             | 0.0004221 (0.0000763, 0.0012708) | 0.00134 (0.00032, 0.00366) | 0.9 (0.2, 3.0)             | 0.0004056 (0.0000706, 0.0013265) | 0.00178 (0.00042, 0.00485) |
| Sulawesi Tenggara | Diabetes mellitus                                        | NN  | 0.6 (0.0, 5.1)             | 0.000271 (0.0000015, 0.0021716)  | 0.00088 (0.00000, 0.00667) | 0.6 (0.0, 3.8)             | 0.0002501 (0.0000013, 0.0016961) | 0.00116 (0.00001, 0.00899) |
| Sulawesi Tenggara | Other non-communicable diseases                          | NN  | 90.7 (42.1, 156.0)         | 0.0389946 (0.0180830, 0.0670488) | 0.12403 (0.09626, 0.16133) | 77.8 (38.7, 136.3)         | 0.0343669 (0.0170850, 0.0601838) | 0.15326 (0.12098, 0.19829) |
| Sulawesi Tenggara | Drowning                                                 | NN  | 8.0 (1.9, 20.6)            | 0.0034463 (0.0008061, 0.0088405) | 0.01099 (0.00318, 0.02613) | 1.9 (0.4, 5.4)             | 0.0008237 (0.0001629, 0.0023881) | 0.00369 (0.00090, 0.00918) |
| Sulawesi Tenggara | Falls                                                    | NN  | 2.8 (0.7, 7.0)             | 0.0011913 (0.0002851, 0.0029942) | 0.0038 (0.00103, 0.00876)  | 0.9 (0.2, 2.5)             | 0.0003874 (0.0000830, 0.0010921) | 0.00172 (0.00044, 0.00414) |
| Sulawesi Tenggara | Interpersonal violence                                   | NN  | 2.0 (0.5, 5.3)             | 0.0008413 (0.0002159, 0.0022580) | 0.0027 (0.00083, 0.00656)  | 1.1 (0.2, 3.0)             | 0.0004664 (0.0001031, 0.0013329) | 0.00206 (0.00061, 0.00481) |
| Sulawesi Tenggara | Transport injuries                                       | NN  | 5.5 (1.4, 13.7)            | 0.0023767 (0.0005914, 0.0059021) | 0.00757 (0.00241, 0.01645) | 1.3 (0.3, 3.4)             | 0.0005709 (0.0001311, 0.0015073) | 0.00253 (0.00075, 0.00584) |
| Sulawesi Tenggara | Other unintentional injuries                             | NN  | 13.4 (4.2, 30.7)           | 0.0057792 (0.0017955, 0.0132068) | 0.01838 (0.00804, 0.03610) | 4.1 (1.3, 10.8)            | 0.0018305 (0.0005824, 0.0047805) | 0.00809 (0.00356, 0.01702) |
| Sulawesi Tenggara | Diarrheal diseases                                       | PNN | 123.6 (50.9, 229.5)        | 0.0042552 (0.0017517, 0.0079027) | 0.24851 (0.15157, 0.34409) | 133.4 (58.1, 244.0)        | 0.0047177 (0.0020544, 0.0086297) | 0.30269 (0.19434, 0.40382) |
| Sulawesi Tenggara | HIV/AIDS                                                 | PNN | 9.2 (1.9, 26.5)            | 0.0003174 (0.0000652, 0.0009141) | 0.01846 (0.00441, 0.04690) | 7.2 (1.4, 22.1)            | 0.0002556 (0.0000483, 0.0007804) | 0.01641 (0.00375, 0.04306) |
| Sulawesi Tenggara | Lower respiratory infections                             | PNN | 85.7 (38.3, 156.0)         | 0.0029517 (0.0013192, 0.0053733) | 0.17302 (0.11135, 0.24558) | 66.6 (29.1, 129.9)         | 0.0023546 (0.0010294, 0.0045954) | 0.1518 (0.09333, 0.22337)  |
| Sulawesi Tenggara | Malaria                                                  | PNN | 6.3 (0.3, 30.3)            | 0.0002164 (0.0000108, 0.0010434) | 0.01291 (0.00068, 0.05761) | 4.9 (0.2, 23.6)            | 0.0001727 (0.0000085, 0.0008338) | 0.01154 (0.00065, 0.05402) |
| Sulawesi Tenggara | Tuberculosis                                             | PNN | 19.3 (6.0, 45.3)           | 0.0006645 (0.0002051, 0.0015601) | 0.03882 (0.01546, 0.08034) | 15.9 (4.5, 38.4)           | 0.0005607 (0.0001605, 0.0013572) | 0.03589 (0.01354, 0.07783) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 8.7 (2.4, 21.0)            | 0.0002992 (0.0000834, 0.0007232) | 0.01759 (0.00616, 0.04188) | 7.1 (1.8, 19.3)            | 0.0002528 (0.0000637, 0.0006817) | 0.01625 (0.00563, 0.03878) |
| Sulawesi Tenggara | Preterm birth complications                              | PNN | 10.3 (2.9, 24.8)           | 0.0003534 (0.0000988, 0.0008530) | 0.0206 (0.00750, 0.04296)  | 12.6 (3.6, 30.0)           | 0.000446 (0.0001264, 0.0010628)  | 0.02866 (0.01078, 0.05891) |
| Sulawesi Tenggara | Other neonatal disorders                                 | PNN | 28.1 (6.2, 70.4)           | 0.0009677 (0.0002140, 0.0024245) | 0.05717 (0.01501, 0.13672) | 22.8 (4.9, 63.4)           | 0.0008049 (0.0001731, 0.0022433) | 0.05224 (0.01324, 0.13311) |
| Sulawesi Tenggara | Other communicable diseases                              | PNN | 112.9 (45.9, 203.8)        | 0.0038869 (0.0015820, 0.0070186) | 0.22798 (0.13809, 0.33236) | 86.1 (33.6, 168.1)         | 0.0030435 (0.0001893, 0.0059456) | 0.19585 (0.11202, 0.29852) |
| Sulawesi Tenggara | Other malignant neoplasms                                | PNN | 3.6 (1.0, 8.7)             | 0.0001223 (0.0000343, 0.0003013) | 0.00713 (0.00290, 0.01496) | 3.4 (1.0, 8.4)             | 0.000121 (0.0000341, 0.0002971)  | 0.00777 (0.00312, 0.01624) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | PNN | 0.8 (0.2, 2.0)             | 0.0000261 (0.0000061, 0.0000698) | 0.00153 (0.00043, 0.00388) | 1.0 (0.2, 2.5)             | 0.0000341 (0.0000077, 0.0000873) | 0.0022 (0.00065, 0.00518)  |
| Sulawesi Tenggara | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.5)             | 0.0000108 (0.0000006, 0.0000527) | 0.00063 (0.00004, 0.00287) | 0.4 (0.0, 2.1)             | 0.0000147 (0.0000008, 0.0000738) | 0.00094 (0.00006, 0.00416) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | PNN | 0.6 (0.1, 2.0)             | 0.0000218 (0.0000046, 0.0000673) | 0.00127 (0.00031, 0.00336) | 0.7 (0.1, 2.3)             | 0.0000265 (0.0000050, 0.0000814) | 0.0017 (0.00040, 0.00446)  |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males              |                                  |                            | Females            |                                  |                            |
|-------------------|----------------------------------------------------------|-----|--------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|                   |                                                          |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Diabetes mellitus                                        | PNN | 0.4 (0.0, 3.3)     | 0.0000142 (0.0000001, 0.0001122) | 0.00083 (0.00000, 0.00627) | 0.5 (0.0, 3.3)     | 0.000017 (0.0000001, 0.0001152)  | 0.00111 (0.00001, 0.00865) |
| Sulawesi Tenggara | Chronic kidney disease                                   | PNN | 3.9 (1.3, 8.4)     | 0.0001353 (0.0000463, 0.0002909) | 0.00798 (0.00362, 0.01571) | 4.0 (1.4, 9.1)     | 0.0001427 (0.0000498, 0.0003226) | 0.00922 (0.00416, 0.01853) |
| Sulawesi Tenggara | Other non-communicable diseases                          | PNN | 57.8 (27.8, 100.4) | 0.0019919 (0.0009577, 0.0034574) | 0.11688 (0.08958, 0.15337) | 63.8 (30.4, 116.6) | 0.0022551 (0.0010737, 0.0041234) | 0.14534 (0.11327, 0.18861) |
| Sulawesi Tenggara | Drowning                                                 | PNN | 6.3 (1.6, 16.1)    | 0.0002164 (0.0000540, 0.0005555) | 0.01272 (0.00386, 0.02950) | 1.9 (0.4, 5.2)     | 0.0000665 (0.0000139, 0.0001836) | 0.00432 (0.00113, 0.01074) |
| Sulawesi Tenggara | Falls                                                    | PNN | 2.1 (0.5, 5.2)     | 0.0000718 (0.0000179, 0.0001792) | 0.00422 (0.00116, 0.00967) | 0.8 (0.2, 2.3)     | 0.00003 (0.0000067, 0.0000820)   | 0.00193 (0.00050, 0.00455) |
| Sulawesi Tenggara | Interpersonal violence                                   | PNN | 1.4 (0.4, 3.5)     | 0.0000496 (0.0000131, 0.0001219) | 0.00294 (0.00094, 0.00707) | 1.0 (0.2, 2.7)     | 0.0000352 (0.0000086, 0.0000957) | 0.00227 (0.00069, 0.00511) |
| Sulawesi Tenggara | Transport injuries                                       | PNN | 4.3 (1.2, 11.1)    | 0.0001481 (0.0000415, 0.0003824) | 0.00867 (0.00280, 0.01896) | 1.3 (0.3, 3.3)     | 0.0000455 (0.0000115, 0.0001181) | 0.00293 (0.00090, 0.00655) |
| Sulawesi Tenggara | Other unintentional injuries                             | PNN | 10.0 (3.4, 22.0)   | 0.0003432 (0.0001169, 0.0007567) | 0.02012 (0.00878, 0.03821) | 3.9 (1.2, 9.4)     | 0.0001395 (0.0000433, 0.0003336) | 0.00895 (0.00402, 0.01854) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 1   | 28.8 (9.0, 64.0)   | 0.0002384 (0.0000746, 0.0005305) | 0.1418 (0.07997, 0.22229)  | 32.3 (11.2, 69.3)  | 0.0002751 (0.0000955, 0.0005906) | 0.18775 (0.11032, 0.27575) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 1   | 4.6 (0.7, 13.4)    | 0.0000378 (0.0000060, 0.0001107) | 0.02258 (0.00519, 0.05597) | 3.8 (0.6, 11.1)    | 0.0000322 (0.0000052, 0.0000949) | 0.02212 (0.00508, 0.05646) |
| Sulawesi Tenggara | Lower respiratory infections                             | 1   | 42.0 (15.1, 90.3)  | 0.0003482 (0.0001255, 0.0007490) | 0.20725 (0.13036, 0.28147) | 34.4 (12.8, 71.1)  | 0.0002932 (0.0001090, 0.0006055) | 0.20078 (0.12441, 0.28283) |
| Sulawesi Tenggara | Malaria                                                  | 1   | 1.2 (0.1, 6.4)     | 0.0000103 (0.0000004, 0.0000527) | 0.0061 (0.00032, 0.02888)  | 1.0 (0.0, 5.0)     | 0.0000086 (0.0000004, 0.0000424) | 0.00591 (0.00032, 0.02800) |
| Sulawesi Tenggara | Tuberculosis                                             | 1   | 10.0 (2.6, 25.7)   | 0.0000832 (0.0000215, 0.0002129) | 0.04991 (0.02008, 0.09925) | 8.7 (2.5, 21.7)    | 0.0000741 (0.0000211, 0.0001847) | 0.05104 (0.02087, 0.10816) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 2.3 (0.5, 6.7)     | 0.0000189 (0.0000040, 0.0000559) | 0.01126 (0.00364, 0.02664) | 1.8 (0.4, 5.0)     | 0.0000153 (0.0000037, 0.0000428) | 0.01071 (0.00364, 0.02480) |
| Sulawesi Tenggara | Preterm birth complications                              | 1   | 0.5 (0.1, 1.9)     | 0.0000043 (0.0000005, 0.0000156) | 0.00253 (0.00046, 0.00792) | 0.6 (0.1, 2.2)     | 0.0000055 (0.0000007, 0.0000188) | 0.00364 (0.00063, 0.01180) |
| Sulawesi Tenggara | Other neonatal disorders                                 | 1   | 1.0 (0.0, 6.6)     | 0.0000087 (0.0000001, 0.0000545) | 0.00549 (0.00005, 0.03433) | 0.8 (0.0, 5.3)     | 0.000007 (0.0000001, 0.0000450)  | 0.00507 (0.00004, 0.03475) |
| Sulawesi Tenggara | Other communicable diseases                              | 1   | 57.2 (20.3, 114.4) | 0.000474 (0.0001685, 0.0009487)  | 0.28332 (0.20111, 0.37322) | 46.2 (18.8, 92.1)  | 0.0003936 (0.0001599, 0.0007843) | 0.26979 (0.18152, 0.36602) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 1   | 1.1 (0.3, 3.0)     | 0.0000095 (0.0000026, 0.0000252) | 0.00565 (0.00223, 0.01224) | 1.3 (0.3, 3.6)     | 0.0000109 (0.0000029, 0.0000303) | 0.0075 (0.00296, 0.01588)  |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 1   | 0.3 (0.1, 0.8)     | 0.0000023 (0.0000005, 0.0000067) | 0.00133 (0.00036, 0.00320) | 0.4 (0.1, 1.2)     | 0.0000034 (0.0000007, 0.0000099) | 0.00232 (0.00069, 0.00549) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.5)     | 0.0000009 (0.0000001, 0.0000042) | 0.00056 (0.00004, 0.00257) | 0.2 (0.0, 0.7)     | 0.0000014 (0.0000001, 0.0000063) | 0.00101 (0.00006, 0.00441) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | 1   | 0.2 (0.0, 0.6)     | 0.0000018 (0.0000003, 0.0000054) | 0.00103 (0.00023, 0.00292) | 0.3 (0.0, 0.9)     | 0.0000025 (0.0000004, 0.0000073) | 0.00168 (0.00038, 0.00444) |
| Sulawesi Tenggara | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.9)     | 0.0000001 (0.0000000, 0.0000075) | 0.00067 (0.00000, 0.00495) | 0.2 (0.0, 1.5)     | 0.0000015 (0.0000000, 0.0000131) | 0.00108 (0.00001, 0.00790) |
| Sulawesi Tenggara | Chronic kidney disease                                   | 1   | 1.2 (0.3, 3.2)     | 0.0000102 (0.0000027, 0.0000263) | 0.00609 (0.00271, 0.01205) | 1.5 (0.4, 3.6)     | 0.0000125 (0.0000036, 0.0000307) | 0.00857 (0.00395, 0.01662) |
| Sulawesi Tenggara | Cirrhosis                                                | 1   | 2.1 (0.5, 6.1)     | 0.0000177 (0.0000040, 0.0000505) | 0.0106 (0.00340, 0.02457)  | 1.3 (0.3, 3.8)     | 0.000011 (0.0000027, 0.0000326)  | 0.00755 (0.00254, 0.01785) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 1   | 4.6 (1.2, 11.1)    | 0.000038 (0.0000098, 0.0000923)  | 0.02272 (0.00937, 0.04271) | 2.3 (0.6, 5.8)     | 0.0000194 (0.0000053, 0.0000490) | 0.01341 (0.00496, 0.02811) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 1   | 18.8 (6.9, 38.3)   | 0.000156 (0.0000571, 0.0003178)  | 0.09294 (0.06553, 0.13119) | 24.1 (10.0, 47.2)  | 0.000205 (0.0000853, 0.0004022)  | 0.14039 (0.10484, 0.18445) |
| Sulawesi Tenggara | Drowning                                                 | 1   | 8.9 (2.0, 24.9)    | 0.0000739 (0.0000168, 0.0002061) | 0.04374 (0.01536, 0.09253) | 3.0 (0.6, 8.0)     | 0.0000253 (0.0000054, 0.0000678) | 0.01727 (0.00491, 0.03934) |
| Sulawesi Tenggara | Falls                                                    | 1   | 2.1 (0.4, 5.5)     | 0.0000171 (0.0000036, 0.0000458) | 0.01018 (0.00314, 0.02100) | 0.9 (0.2, 2.5)     | 0.0000078 (0.0000017, 0.0000209) | 0.00536 (0.00151, 0.01173) |
| Sulawesi Tenggara | Interpersonal violence                                   | 1   | 1.2 (0.3, 3.3)     | 0.0000098 (0.0000022, 0.0000277) | 0.00582 (0.00198, 0.01283) | 0.9 (0.2, 2.4)     | 0.0000076 (0.0000017, 0.0000202) | 0.00519 (0.00168, 0.01152) |
| Sulawesi Tenggara | Transport injuries                                       | 1   | 5.4 (1.3, 14.2)    | 0.0000446 (0.0000106, 0.0001179) | 0.02669 (0.01001, 0.05662) | 1.8 (0.4, 4.8)     | 0.0000153 (0.0000037, 0.0000405) | 0.01047 (0.00354, 0.02361) |
| Sulawesi Tenggara | Other unintentional injuries                             | 1   | 8.4 (2.3, 21.6)    | 0.00007 (0.0000194, 0.0001788)   | 0.04173 (0.01992, 0.07547) | 3.7 (1.1, 8.6)     | 0.0000312 (0.0000090, 0.0000732) | 0.02142 (0.00931, 0.04025) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 5   | 18.6 (10.0, 29.5)  | 0.0001256 (0.0000675, 0.0001987) | 0.10207 (0.05593, 0.16233) | 18.4 (10.3, 27.8)  | 0.0001313 (0.0000735, 0.0001986) | 0.14486 (0.08117, 0.21811) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 5   | 2.1 (0.4, 6.4)     | 0.0000145 (0.0000025, 0.0000433) | 0.01178 (0.00205, 0.03339) | 1.5 (0.3, 4.4)     | 0.000011 (0.0000020, 0.0000316)  | 0.01215 (0.00212, 0.03462) |
| Sulawesi Tenggara | Lower respiratory infections                             | 5   | 18.5 (9.9, 28.5)   | 0.0001246 (0.0000671, 0.0001922) | 0.10125 (0.05518, 0.15583) | 13.2 (7.1, 20.7)   | 0.0000944 (0.0000511, 0.0001482) | 0.10408 (0.05629, 0.15958) |
| Sulawesi Tenggara | Malaria                                                  | 5   | 0.8 (0.0, 3.7)     | 0.0000054 (0.0000003, 0.0000251) | 0.00437 (0.00022, 0.02084) | 0.6 (0.0, 2.7)     | 0.0000041 (0.0000002, 0.0000194) | 0.00452 (0.00024, 0.02127) |
| Sulawesi Tenggara | Tuberculosis                                             | 5   | 6.3 (2.6, 12.7)    | 0.0000425 (0.0000173, 0.0000857) | 0.03458 (0.01413, 0.07054) | 4.7 (2.0, 9.5)     | 0.000034 (0.0000142, 0.0000681)  | 0.03748 (0.01595, 0.07577) |
| Sulawesi Tenggara | Other communicable diseases                              | 5   | 36.8 (24.2, 51.4)  | 0.0002481 (0.0001630, 0.0003465) | 0.2015 (0.13456, 0.27475)  | 26.0 (16.3, 36.5)  | 0.0001861 (0.0001166, 0.0002614) | 0.20521 (0.13040, 0.28620) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 5   | 6.4 (2.9, 12.3)    | 0.0000431 (0.0000195, 0.0000831) | 0.035 (0.01552, 0.06687)   | 6.4 (2.9, 12.0)    | 0.0000458 (0.0000209, 0.0000855) | 0.05049 (0.02317, 0.09139) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 5   | 1.1 (0.4, 2.1)     | 0.0000071 (0.0000028, 0.0000145) | 0.00575 (0.00230, 0.01176) | 1.4 (0.6, 2.6)     | 0.0000097 (0.0000043, 0.0000186) | 0.01074 (0.00476, 0.02111) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 5   | 0.5 (0.2, 1.2)     | 0.0000034 (0.0000011, 0.0000081) | 0.0028 (0.00089, 0.00668)  | 0.7 (0.2, 1.5)     | 0.0000049 (0.0000016, 0.0000109) | 0.00542 (0.00187, 0.01212) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | 5   | 0.9 (0.3, 2.4)     | 0.0000063 (0.0000018, 0.0000161) | 0.00512 (0.00148, 0.01300) | 1.1 (0.3, 2.7)     | 0.000008 (0.0000025, 0.0000193)  | 0.00885 (0.00271, 0.02133) |
| Sulawesi Tenggara | Diabetes mellitus                                        | 5   | 1.6 (0.5, 3.8)     | 0.0000105 (0.0000032, 0.0000257) | 0.00852 (0.00265, 0.02050) | 1.9 (0.7, 4.3)     | 0.0000135 (0.0000046, 0.0000307) | 0.01492 (0.00513, 0.03352) |
| Sulawesi Tenggara | Chronic kidney disease                                   | 5   | 2.4 (1.1, 4.5)     | 0.0000162 (0.0000073, 0.0000305) | 0.01313 (0.00601, 0.02462) | 2.5 (1.2, 4.6)     | 0.0000182 (0.0000088, 0.0000328) | 0.02009 (0.00956, 0.03688) |
| Sulawesi Tenggara | Cirrhosis                                                | 5   | 5.3 (2.2, 10.5)    | 0.0000359 (0.0000148, 0.0000705) | 0.02918 (0.01197, 0.05708) | 2.9 (1.2, 5.4)     | 0.0000206 (0.0000087, 0.0000386) | 0.02276 (0.00961, 0.04289) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 5   | 3.4 (1.4, 6.5)     | 0.0000229 (0.0000095, 0.0000442) | 0.01863 (0.00766, 0.03483) | 1.5 (0.6, 3.0)     | 0.0000106 (0.0000040, 0.0000218) | 0.01174 (0.00445, 0.02328) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 5   | 16.0 (10.0, 23.3)  | 0.0001077 (0.0000675, 0.0001573) | 0.08748 (0.05508, 0.12836) | 18.2 (12.2, 25.5)  | 0.00013 (0.0000870, 0.0001824)   | 0.14346 (0.09632, 0.19785) |
| Sulawesi Tenggara | Drowning                                                 | 5   | 30.0 (14.7, 48.6)  | 0.0002025 (0.0000992, 0.0003278) | 0.16445 (0.08314, 0.25793) | 12.0 (5.0, 21.6)   | 0.0000856 (0.0000355, 0.0001543) | 0.09433 (0.03968, 0.17136) |
| Sulawesi Tenggara | Falls                                                    | 5   | 3.8 (1.3, 7.6)     | 0.0000258 (0.0000089, 0.0000514) | 0.02095 (0.00739, 0.04207) | 1.9 (0.6, 3.9)     | 0.0000133 (0.0000044, 0.0000280) | 0.01465 (0.00488, 0.03119) |
| Sulawesi Tenggara | Interpersonal violence                                   | 5   | 1.0 (0.4, 2.2)     | 0.0000066 (0.0000024, 0.0000147) | 0.00536 (0.00191, 0.01217) | 0.8 (0.3, 1.8)     | 0.0000058 (0.0000020, 0.0000129) | 0.00635 (0.00214, 0.01406) |
| Sulawesi Tenggara | Transport injuries                                       | 5   | 18.9 (8.3, 33.8)   | 0.0001272 (0.0000560, 0.0002281) | 0.10342 (0.04662, 0.18590) | 7.3 (2.8, 14.3)    | 0.0000519 (0.0000203, 0.0001020) | 0.05722 (0.02327, 0.11036) |
| Sulawesi Tenggara | Other unintentional injuries                             | 5   | 8.2 (4.1, 14.9)    | 0.000055 (0.0000280, 0.0001004)  | 0.04467 (0.02288, 0.08105) | 3.9 (1.7, 7.2)     | 0.0000278 (0.0000122, 0.0000514) | 0.03068 (0.01330, 0.05573) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 10  | 7.7 (3.6, 13.1)    | 0.0000568 (0.0000263, 0.0000964) | 0.05237 (0.02442, 0.08831) | 7.3 (3.4, 12.1)    | 0.0000574 (0.0000269, 0.0000948) | 0.07481 (0.03553, 0.12210) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 10  | 1.6 (0.3, 4.5)     | 0.0000112 (0.0000026, 0.0000332) | 0.01109 (0.00242, 0.03009) | 1.1 (0.2, 3.1)     | 0.0000089 (0.0000018, 0.0000246) | 0.01161 (0.00238, 0.03126) |
| Sulawesi Tenggara | Lower respiratory infections                             | 10  | 9.0 (4.0, 15.8)    | 0.0000665 (0.0000294, 0.0001169) | 0.06139 (0.02710, 0.10761) | 6.0 (2.5, 10.5)    | 0.0000471 (0.0000200, 0.0000824) | 0.06144 (0.02632, 0.10517) |
| Sulawesi Tenggara | Malaria                                                  | 10  | 1.3 (0.1, 5.5)     | 0.0000094 (0.0000006, 0.0000407) | 0.00863 (0.00059, 0.03732) | 0.9 (0.1, 3.7)     | 0.0000071 (0.0000004, 0.0000291) | 0.00921 (0.00056, 0.03793) |
| Sulawesi Tenggara | Tuberculosis                                             | 10  | 10.8 (5.0, 18.7)   | 0.00008 (0.0000372, 0.0001379)   | 0.07381 (0.03453, 0.12699) | 7.9 (4.0, 13.2)    | 0.0000619 (0.0000311, 0.0001033) | 0.08082 (0.03915, 0.13810) |
| Sulawesi Tenggara | Maternal disorders                                       | 10  |                    |                                  |                            | 0.3 (0.1, 1.0)     | 0.0000027 (0.0000004, 0.0000077) | 0.00354 (0.00057, 0.00989) |
| Sulawesi Tenggara | Other communicable diseases                              | 10  | 22.4 (13.9, 32.0)  | 0.0001656 (0.0001028, 0.0002360) | 0.15272 (0.09674, 0.21683) | 14.9 (8.7, 21.7)   | 0.0001167 (0.0000685, 0.0001700) | 0.15204 (0.08920, 0.21785) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 10  | 7.7 (3.7, 13.8)    | 0.0000569 (0.0000270, 0.0001019) | 0.05246 (0.02504, 0.09455) | 7.8 (3.9, 13.4)    | 0.0000613 (0.0000302, 0.0001050) | 0.07987 (0.03865, 0.13755) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 10  | 1.5 (0.7, 2.8)     | 0.0000108 (0.0000052, 0.0000203) | 0.00996 (0.00475, 0.01836) | 1.8 (0.9, 3.0)     | 0.0000138 (0.0000071, 0.0000238) | 0.01806 (0.00935, 0.03126) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 10  | 1.1 (0.5, 2.1)     | 0.000008 (0.0000034, 0.0000157)  | 0.00735 (0.00317, 0.01457) | 1.3 (0.6, 2.5)     | 0.0000105 (0.0000048, 0.0000195) | 0.01367 (0.00634, 0.02547) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 10  | 1.2 (0.4, 2.7)    | 0.000088 (0.0000033, 0.0000197)  | 0.0081 (0.00303, 0.01810)  | 1.4 (0.5, 2.8)    | 0.0000107 (0.0000041, 0.0000219) | 0.01402 (0.00535, 0.02891) |
| Sulawesi Tenggara | Diabetes mellitus                             | 10  | 1.9 (0.8, 3.7)    | 0.0000137 (0.0000057, 0.0000269) | 0.01262 (0.00538, 0.02486) | 2.2 (1.0, 4.2)    | 0.0000172 (0.0000080, 0.0000326) | 0.02244 (0.01075, 0.04242) |
| Sulawesi Tenggara | Chronic kidney disease                        | 10  | 2.8 (1.5, 4.6)    | 0.0000209 (0.0000111, 0.0000336) | 0.01929 (0.01049, 0.03192) | 2.9 (1.7, 4.7)    | 0.0000231 (0.0000130, 0.0000372) | 0.03015 (0.01701, 0.04821) |
| Sulawesi Tenggara | Cirrhosis                                     | 10  | 5.1 (2.4, 9.4)    | 0.0000377 (0.0000173, 0.0000690) | 0.03483 (0.01622, 0.06302) | 2.6 (1.3, 4.6)    | 0.0000207 (0.0000101, 0.0000362) | 0.02697 (0.01339, 0.04616) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 10  | 4.9 (2.4, 8.6)    | 0.0000364 (0.0000180, 0.0000633) | 0.03361 (0.01649, 0.05716) | 2.2 (1.0, 4.2)    | 0.0000174 (0.0000076, 0.0000333) | 0.02276 (0.00995, 0.04314) |
| Sulawesi Tenggara | Other non-communicable diseases               | 10  | 15.8 (10.7, 22.6) | 0.0001169 (0.0000786, 0.0001666) | 0.10788 (0.07273, 0.15192) | 16.9 (12.0, 23.2) | 0.0001328 (0.0000943, 0.0001818) | 0.17322 (0.12474, 0.23535) |
| Sulawesi Tenggara | Drowning                                      | 10  | 14.2 (5.6, 25.8)  | 0.0001046 (0.0000414, 0.0001902) | 0.09647 (0.03810, 0.17573) | 4.7 (1.5, 9.8)    | 0.0000365 (0.0000118, 0.0000770) | 0.04757 (0.01515, 0.09942) |
| Sulawesi Tenggara | Falls                                         | 10  | 2.9 (1.1, 6.0)    | 0.0000215 (0.0000078, 0.0000444) | 0.01988 (0.00702, 0.04176) | 1.2 (0.4, 2.6)    | 0.0000097 (0.0000032, 0.0000201) | 0.01265 (0.00413, 0.02649) |
| Sulawesi Tenggara | Interpersonal violence                        | 10  | 1.4 (0.7, 2.6)    | 0.00001 (0.0000048, 0.0000190)   | 0.00923 (0.00443, 0.01755) | 1.0 (0.5, 1.9)    | 0.0000081 (0.0000036, 0.0000152) | 0.01056 (0.00467, 0.01997) |
| Sulawesi Tenggara | Self-harm                                     | 10  | 2.2 (0.8, 4.4)    | 0.0000159 (0.0000062, 0.0000323) | 0.01469 (0.00583, 0.02949) | 1.4 (0.5, 2.9)    | 0.0000111 (0.0000040, 0.0000229) | 0.01452 (0.00517, 0.03041) |
| Sulawesi Tenggara | Transport injuries                            | 10  | 24.3 (14.0, 37.1) | 0.000179 (0.0001031, 0.0002736)  | 0.16526 (0.09490, 0.24825) | 8.7 (4.4, 14.7)   | 0.0000681 (0.0000342, 0.0001155) | 0.08884 (0.04442, 0.15056) |
| Sulawesi Tenggara | Other unintentional injuries                  | 10  | 7.1 (3.8, 11.8)   | 0.0000524 (0.0000280, 0.0000867) | 0.04838 (0.02575, 0.07943) | 3.1 (1.4, 5.4)    | 0.000024 (0.0000109, 0.0000427)  | 0.03122 (0.01442, 0.05530) |
| Sulawesi Tenggara | Diarrheal diseases                            | 15  | 3.9 (1.4, 7.8)    | 0.0000337 (0.0000121, 0.0000680) | 0.0217 (0.00795, 0.04244)  | 3.8 (1.4, 7.5)    | 0.0000327 (0.0000118, 0.0000638) | 0.02892 (0.01066, 0.05604) |
| Sulawesi Tenggara | HIV/AIDS                                      | 15  | 1.3 (0.2, 3.9)    | 0.0000115 (0.0000020, 0.0000342) | 0.00737 (0.00134, 0.02226) | 1.0 (0.2, 3.0)    | 0.0000084 (0.0000014, 0.0000257) | 0.00744 (0.00133, 0.02213) |
| Sulawesi Tenggara | Lower respiratory infections                  | 15  | 4.0 (1.4, 8.1)    | 0.0000349 (0.0000120, 0.0000706) | 0.02235 (0.00809, 0.04497) | 2.5 (0.8, 5.4)    | 0.0000212 (0.0000071, 0.0000458) | 0.01874 (0.00648, 0.03912) |
| Sulawesi Tenggara | Malaria                                       | 15  | 2.5 (0.2, 9.4)    | 0.0000216 (0.0000016, 0.0000816) | 0.01382 (0.00103, 0.05197) | 2.0 (0.1, 7.3)    | 0.0000169 (0.0000012, 0.0000625) | 0.01489 (0.00101, 0.05552) |
| Sulawesi Tenggara | Tuberculosis                                  | 15  | 16.9 (9.2, 27.0)  | 0.0001468 (0.0000800, 0.0002343) | 0.09409 (0.05282, 0.14360) | 12.2 (6.8, 19.0)  | 0.0001037 (0.0000577, 0.0001618) | 0.09172 (0.05127, 0.14071) |
| Sulawesi Tenggara | Maternal disorders                            | 15  |                   |                                  |                            | 3.4 (1.5, 6.4)    | 0.000029 (0.0000129, 0.0000549)  | 0.0256 (0.01183, 0.04751)  |
| Sulawesi Tenggara | Other communicable diseases                   | 15  | 13.8 (6.8, 22.7)  | 0.0001196 (0.0000587, 0.0001969) | 0.07675 (0.03879, 0.12090) | 9.1 (4.2, 15.2)   | 0.0000774 (0.0000358, 0.0001292) | 0.06844 (0.03330, 0.11185) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 15  | 0.7 (0.1, 1.9)    | 0.0000058 (0.0000012, 0.0000164) | 0.00375 (0.00075, 0.01054) | 0.3 (0.1, 1.0)    | 0.000003 (0.0000006, 0.0000084)  | 0.00263 (0.00055, 0.00743) |
| Sulawesi Tenggara | Breast cancer                                 | 15  | - (0.0, 0.2)      | 0.0000004 (0.0000000, 0.0000018) | 0.00027 (0.00002, 0.00117) | 1.7 (0.4, 4.6)    | 0.0000143 (0.0000033, 0.0000391) | 0.01268 (0.00291, 0.03473) |
| Sulawesi Tenggara | Cervical cancer                               | 15  |                   |                                  |                            | 1.0 (0.1, 3.6)    | 0.0000089 (0.0000013, 0.0000304) | 0.00789 (0.00114, 0.02558) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 15  | 7.6 (3.6, 13.8)   | 0.0000658 (0.0000309, 0.0001199) | 0.0422 (0.01996, 0.07399)  | 10.6 (5.2, 18.5)  | 0.0000904 (0.0000440, 0.0001580) | 0.07987 (0.03883, 0.14081) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 15  | 2.6 (1.3, 4.8)    | 0.0000228 (0.0000115, 0.0000414) | 0.01463 (0.00721, 0.02585) | 3.2 (1.6, 5.4)    | 0.0000269 (0.0000134, 0.0000458) | 0.02379 (0.01187, 0.04133) |
| Sulawesi Tenggara | Ischemic heart disease                        | 15  | 3.4 (1.6, 6.2)    | 0.0000299 (0.0000141, 0.0000540) | 0.0192 (0.00923, 0.03355)  | 3.6 (1.7, 6.3)    | 0.0000307 (0.0000146, 0.0000541) | 0.02713 (0.01310, 0.04720) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 15  | 1.7 (0.7, 3.7)    | 0.0000152 (0.0000058, 0.0000323) | 0.00972 (0.00383, 0.02025) | 2.4 (0.9, 5.2)    | 0.0000201 (0.0000074, 0.0000442) | 0.01772 (0.00655, 0.03858) |
| Sulawesi Tenggara | Diabetes mellitus                             | 15  | 2.7 (1.1, 4.9)    | 0.0000231 (0.0000099, 0.0000426) | 0.01477 (0.00681, 0.02885) | 3.8 (1.9, 7.3)    | 0.0000322 (0.0000160, 0.0000622) | 0.02852 (0.01438, 0.05269) |
| Sulawesi Tenggara | Chronic kidney disease                        | 15  | 3.8 (2.1, 6.1)    | 0.0000326 (0.0000179, 0.0000531) | 0.02089 (0.01173, 0.03408) | 4.8 (2.7, 7.8)    | 0.0000409 (0.0000227, 0.0000665) | 0.03616 (0.02043, 0.05864) |
| Sulawesi Tenggara | Cirrhosis                                     | 15  | 5.7 (2.6, 10.9)   | 0.0000493 (0.0000228, 0.0000945) | 0.03162 (0.01449, 0.06055) | 3.4 (1.6, 6.2)    | 0.0000287 (0.0000138, 0.0000528) | 0.02536 (0.01222, 0.04637) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 15  | 3.7 (1.6, 7.0)    | 0.0000317 (0.0000142, 0.0000610) | 0.02037 (0.00930, 0.03754) | 2.4 (1.0, 5.0)    | 0.0000209 (0.0000086, 0.0000422) | 0.01845 (0.00755, 0.03694) |
| Sulawesi Tenggara | Other non-communicable diseases               | 15  | 18.1 (11.9, 26.4) | 0.000157 (0.0001029, 0.0002290)  | 0.10069 (0.06942, 0.13997) | 20.6 (14.1, 28.9) | 0.0001758 (0.0001206, 0.0002464) | 0.15551 (0.10831, 0.21618) |
| Sulawesi Tenggara | Drowning                                      | 15  | 7.4 (2.4, 17.3)   | 0.0000647 (0.0000207, 0.0001500) | 0.04148 (0.01375, 0.09294) | 2.3 (0.6, 5.9)    | 0.0000194 (0.0000054, 0.0000500) | 0.0172 (0.00467, 0.04293)  |
| Sulawesi Tenggara | Falls                                         | 15  | 2.5 (1.0, 4.9)    | 0.0000217 (0.0000088, 0.0000429) | 0.0139 (0.00556, 0.02734)  | 1.1 (0.4, 2.3)    | 0.0000093 (0.0000034, 0.0000199) | 0.00825 (0.00295, 0.01732) |
| Sulawesi Tenggara | Interpersonal violence                        | 15  | 2.9 (1.6, 5.0)    | 0.0000252 (0.0000136, 0.0000431) | 0.01616 (0.00862, 0.02709) | 2.7 (1.2, 5.2)    | 0.0000231 (0.0000106, 0.0000442) | 0.02044 (0.00917, 0.03836) |
| Sulawesi Tenggara | Self-harm                                     | 15  | 4.0 (1.8, 7.5)    | 0.0000343 (0.0000159, 0.0000648) | 0.02198 (0.01050, 0.03977) | 3.3 (1.3, 6.5)    | 0.0000279 (0.0000108, 0.0000550) | 0.02469 (0.00963, 0.04854) |
| Sulawesi Tenggara | Transport injuries                            | 15  | 60.7 (43.4, 78.6) | 0.0005274 (0.0003770, 0.0006826) | 0.33847 (0.25468, 0.42181) | 26.9 (16.8, 39.3) | 0.0002291 (0.0001430, 0.0003354) | 0.20261 (0.12754, 0.28959) |
| Sulawesi Tenggara | Other unintentional injuries                  | 15  | 9.7 (5.7, 14.7)   | 0.0000839 (0.0000493, 0.0001280) | 0.05381 (0.03269, 0.07680) | 4.7 (2.2, 8.0)    | 0.00004 (0.0000191, 0.0000680)   | 0.03533 (0.01695, 0.05797) |
| Sulawesi Tenggara | Diarrheal diseases                            | 20  | 3.9 (1.4, 7.7)    | 0.0000377 (0.0000133, 0.0000744) | 0.01845 (0.00660, 0.03623) | 3.7 (1.3, 7.2)    | 0.0000338 (0.0000117, 0.0000660) | 0.02406 (0.00855, 0.04634) |
| Sulawesi Tenggara | HIV/AIDS                                      | 20  | 4.4 (1.1, 11.6)   | 0.0000424 (0.0000103, 0.0001122) | 0.02066 (0.00506, 0.05390) | 3.0 (0.7, 7.7)    | 0.0000274 (0.0000067, 0.0000706) | 0.01947 (0.00462, 0.04918) |
| Sulawesi Tenggara | Lower respiratory infections                  | 20  | 3.9 (1.3, 8.1)    | 0.0000376 (0.0000127, 0.0000782) | 0.0183 (0.00661, 0.03714)  | 2.1 (0.7, 4.6)    | 0.0000191 (0.0000063, 0.0000421) | 0.01361 (0.00458, 0.02848) |
| Sulawesi Tenggara | Malaria                                       | 20  | 3.1 (0.2, 11.8)   | 0.0000302 (0.0000024, 0.0001139) | 0.01472 (0.00115, 0.05521) | 2.2 (0.2, 8.0)    | 0.0000203 (0.0000014, 0.0000729) | 0.0144 (0.00105, 0.05059)  |
| Sulawesi Tenggara | Tuberculosis                                  | 20  | 33.1 (19.9, 50.0) | 0.0003195 (0.0001921, 0.0004826) | 0.15556 (0.09598, 0.22085) | 18.6 (10.9, 27.9) | 0.0001703 (0.0000991, 0.0002547) | 0.12127 (0.07109, 0.17760) |
| Sulawesi Tenggara | Maternal disorders                            | 20  |                   |                                  |                            | 7.5 (4.2, 12.6)   | 0.0000684 (0.0000382, 0.0001147) | 0.04871 (0.02763, 0.08198) |
| Sulawesi Tenggara | Other communicable diseases                   | 20  | 18.0 (8.8, 29.8)  | 0.0001736 (0.0000853, 0.0002875) | 0.08464 (0.04408, 0.13308) | 11.6 (5.5, 19.4)  | 0.0001057 (0.0000502, 0.0001772) | 0.07521 (0.03701, 0.11969) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 20  | 0.5 (0.1, 1.7)    | 0.0000049 (0.0000008, 0.0000160) | 0.00238 (0.00040, 0.00727) | 0.5 (0.1, 1.5)    | 0.0000049 (0.0000012, 0.0000136) | 0.0035 (0.00086, 0.00949)  |
| Sulawesi Tenggara | Breast cancer                                 | 20  | 0.1 (0.0, 0.2)    | 0.0000006 (0.0000001, 0.0000021) | 0.00029 (0.00004, 0.00105) | 4.7 (1.6, 9.9)    | 0.0000427 (0.0000147, 0.0000907) | 0.03039 (0.01050, 0.06390) |
| Sulawesi Tenggara | Cervical cancer                               | 20  |                   |                                  |                            | 2.3 (0.5, 6.5)    | 0.0000214 (0.0000044, 0.0000592) | 0.01523 (0.00310, 0.04175) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 20  | 7.2 (3.3, 13.3)   | 0.0000699 (0.0000315, 0.0001287) | 0.03404 (0.01632, 0.06011) | 11.4 (5.6, 19.8)  | 0.0001041 (0.0000511, 0.0001808) | 0.07406 (0.03683, 0.12401) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 20  | 5.3 (3.0, 8.5)    | 0.0000513 (0.0000291, 0.0000817) | 0.02503 (0.01465, 0.03881) | 5.3 (3.1, 8.6)    | 0.0000489 (0.0000284, 0.0000786) | 0.03483 (0.02049, 0.05520) |
| Sulawesi Tenggara | Ischemic heart disease                        | 20  | 6.8 (3.6, 11.8)   | 0.0000655 (0.0000343, 0.0001139) | 0.03196 (0.01697, 0.05498) | 4.5 (2.3, 7.8)    | 0.0000415 (0.0000211, 0.0000708) | 0.02953 (0.01528, 0.05028) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 20  | 2.8 (1.1, 5.7)    | 0.0000273 (0.0000108, 0.0000547) | 0.01326 (0.00572, 0.02605) | 3.5 (1.5, 6.9)    | 0.0000323 (0.0000137, 0.0000628) | 0.02303 (0.00991, 0.04375) |
| Sulawesi Tenggara | Diabetes mellitus                             | 20  | 2.7 (1.2, 4.8)    | 0.0000257 (0.0000115, 0.0000468) | 0.01253 (0.00573, 0.02298) | 3.6 (1.8, 6.1)    | 0.0000326 (0.0000164, 0.0000556) | 0.02318 (0.01148, 0.03972) |
| Sulawesi Tenggara | Chronic kidney disease                        | 20  | 6.0 (3.5, 9.8)    | 0.0000576 (0.0000333, 0.0000946) | 0.0281 (0.01676, 0.04320)  | 7.1 (4.3, 11.0)   | 0.0000644 (0.0000392, 0.0001002) | 0.04587 (0.02826, 0.06938) |
| Sulawesi Tenggara | Cirrhosis                                     | 20  | 9.4 (4.4, 17.8)   | 0.0000905 (0.0000429, 0.0001717) | 0.04409 (0.02153, 0.07739) | 5.5 (2.7, 10.0)   | 0.00005 (0.0000250, 0.0000910)   | 0.03565 (0.01833, 0.06347) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 20  | 7.4 (3.6, 13.2)   | 0.0000717 (0.0000344, 0.0001277) | 0.035 (0.01748, 0.05979)   | 6.0 (2.9, 10.6)   | 0.0000552 (0.0000266, 0.0000967) | 0.03932 (0.01895, 0.06781) |
| Sulawesi Tenggara | Other non-communicable diseases               | 20  | 18.6 (11.6, 27.7) | 0.0001791 (0.0001117, 0.0002678) | 0.08735 (0.05861, 0.12347) | 18.9 (12.6, 27.3) | 0.0001727 (0.0001151, 0.0002490) | 0.123 (0.08372, 0.17174)   |
| Sulawesi Tenggara | Drowning                                      | 20  | 5.8 (1.6, 13.9)   | 0.0000561 (0.0000154, 0.0001338) | 0.02738 (0.00058, 0.06465) | 1.7 (0.4, 4.1)    | 0.0000153 (0.0000036, 0.0000377) | 0.01092 (0.00260, 0.02759) |
| Sulawesi Tenggara | Falls                                         | 20  | 2.6 (1.0, 5.0)    | 0.000025 (0.0000092, 0.0000486)  | 0.0122 (0.00458, 0.02324)  | 1.0 (0.4, 2.2)    | 0.0000095 (0.0000033, 0.0000198) | 0.00676 (0.00237, 0.01432) |
| Sulawesi Tenggara | Interpersonal violence                        | 20  | 3.5 (1.8, 6.1)    | 0.0000338 (0.0000176, 0.0000586) | 0.01649 (0.00867, 0.02773) | 2.6 (1.2, 4.9)    | 0.000024 (0.0000107, 0.0000452)  | 0.0171 (0.00775, 0.03147)  |
| Sulawesi Tenggara | Self-harm                                     | 20  | 4.1 (1.9, 7.8)    | 0.0000393 (0.0000180, 0.0000753) | 0.01913 (0.00881, 0.03401) | 2.7 (1.0, 5.2)    | 0.0000243 (0.0000093, 0.0000477) | 0.01732 (0.00652, 0.03472) |
| Sulawesi Tenggara | Transport injuries                            | 20  | 52.3 (34.1, 73.5) | 0.000505 (0.0003296, 0.0007100)  | 0.2463 (0.17366, 0.32531)  | 19.0 (11.2, 30.1) | 0.0001739 (0.0001026, 0.0002745) | 0.12379 (0.07409, 0.18942) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Other unintentional injuries                  | 20  | 11.1 (6.1, 17.3)  | 0.0001069 (0.0000589, 0.0001670) | 0.05214 (0.03018, 0.07878) | 4.6 (2.1, 7.8)    | 0.0000419 (0.0000196, 0.0000709) | 0.02983 (0.01451, 0.04966) |
| Sulawesi Tenggara | Diarrheal diseases                            | 25  | 5.7 (2.2, 10.8)   | 0.0000558 (0.0000214, 0.0001047) | 0.02273 (0.00871, 0.04285) | 5.0 (1.8, 9.3)    | 0.0000456 (0.0000166, 0.0000858) | 0.02824 (0.01077, 0.05106) |
| Sulawesi Tenggara | HIV/AIDS                                      | 25  | 8.2 (2.1, 19.5)   | 0.0000799 (0.0000208, 0.0001900) | 0.03247 (0.00868, 0.07622) | 5.2 (1.3, 12.4)   | 0.0000479 (0.0000121, 0.0001144) | 0.02968 (0.00774, 0.06985) |
| Sulawesi Tenggara | Lower respiratory infections                  | 25  | 4.1 (1.4, 8.6)    | 0.0000403 (0.0000137, 0.0000833) | 0.01635 (0.00596, 0.03383) | 2.0 (0.7, 4.5)    | 0.0000186 (0.0000062, 0.0000409) | 0.01153 (0.00384, 0.02449) |
| Sulawesi Tenggara | Malaria                                       | 25  | 3.5 (0.3, 13.4)   | 0.0000343 (0.0000026, 0.0001309) | 0.01393 (0.00113, 0.05374) | 2.3 (0.2, 8.3)    | 0.0000208 (0.0000015, 0.0000763) | 0.01286 (0.00090, 0.04728) |
| Sulawesi Tenggara | Tuberculosis                                  | 25  | 46.7 (29.2, 68.5) | 0.000455 (0.0002846, 0.0006669)  | 0.18493 (0.11877, 0.25393) | 23.5 (14.0, 35.6) | 0.0002164 (0.0001287, 0.0003279) | 0.13413 (0.08095, 0.19142) |
| Sulawesi Tenggara | Maternal disorders                            | 25  |                   |                                  |                            | 8.4 (4.5, 14.6)   | 0.0000775 (0.0000416, 0.0001342) | 0.04801 (0.02638, 0.07859) |
| Sulawesi Tenggara | Other communicable diseases                   | 25  | 19.7 (9.7, 32.4)  | 0.0001914 (0.0000946, 0.0003156) | 0.07789 (0.04056, 0.12261) | 11.6 (5.4, 19.5)  | 0.000107 (0.0000496, 0.0001796)  | 0.06627 (0.03183, 0.10650) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 25  | 0.7 (0.1, 2.0)    | 0.0000071 (0.0000014, 0.0000197) | 0.00291 (0.00057, 0.00805) | 0.7 (0.2, 1.9)    | 0.0000065 (0.0000016, 0.0000175) | 0.00401 (0.00100, 0.01050) |
| Sulawesi Tenggara | Breast cancer                                 | 25  | 0.1 (0.0, 0.2)    | 0.0000007 (0.0000001, 0.0000024) | 0.00027 (0.00004, 0.00101) | 9.2 (3.8, 17.3)   | 0.0000842 (0.0000351, 0.0001587) | 0.0522 (0.02204, 0.09694)  |
| Sulawesi Tenggara | Cervical cancer                               | 25  |                   |                                  |                            | 3.9 (0.8, 10.1)   | 0.0000357 (0.0000075, 0.0000930) | 0.02209 (0.00492, 0.05658) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 25  | 10.2 (4.7, 18.2)  | 0.0000995 (0.0000457, 0.0001771) | 0.04039 (0.01911, 0.07141) | 12.2 (5.5, 22.6)  | 0.0001122 (0.0000502, 0.0002078) | 0.06943 (0.03132, 0.11934) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 25  | 10.4 (6.4, 16.5)  | 0.0001012 (0.0000622, 0.0001609) | 0.04117 (0.02594, 0.06333) | 9.0 (5.5, 13.7)   | 0.0000827 (0.0000510, 0.0001258) | 0.05135 (0.03227, 0.07554) |
| Sulawesi Tenggara | Ischemic heart disease                        | 25  | 14.3 (8.1, 23.3)  | 0.0001395 (0.0000793, 0.0002264) | 0.05679 (0.03373, 0.08905) | 7.7 (4.1, 13.0)   | 0.000071 (0.0000375, 0.0001195)  | 0.04395 (0.02424, 0.07123) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 25  | 4.1 (1.7, 8.2)    | 0.0000398 (0.0000169, 0.0000800) | 0.01615 (0.00730, 0.03143) | 4.6 (2.0, 8.6)    | 0.0000422 (0.0000188, 0.0000790) | 0.02616 (0.01190, 0.04863) |
| Sulawesi Tenggara | Diabetes mellitus                             | 25  | 4.9 (2.5, 8.3)    | 0.0000473 (0.0000240, 0.0000813) | 0.01923 (0.01023, 0.03297) | 5.6 (3.2, 9.4)    | 0.0000518 (0.0000293, 0.0000863) | 0.03206 (0.01865, 0.05121) |
| Sulawesi Tenggara | Chronic kidney disease                        | 25  | 7.4 (4.5, 11.2)   | 0.0000717 (0.0000437, 0.0001088) | 0.02917 (0.01854, 0.04205) | 7.5 (4.7, 11.6)   | 0.0000693 (0.0000436, 0.0001064) | 0.04294 (0.02828, 0.06272) |
| Sulawesi Tenggara | Cirrhosis                                     | 25  | 13.9 (7.0, 25.4)  | 0.0001354 (0.0000678, 0.0002468) | 0.05504 (0.02855, 0.09480) | 7.1 (3.7, 12.4)   | 0.0000655 (0.0000343, 0.0001139) | 0.04061 (0.02200, 0.06904) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 25  | 9.5 (4.6, 16.0)   | 0.0000923 (0.0000451, 0.0001558) | 0.03761 (0.01896, 0.06283) | 7.2 (3.6, 12.4)   | 0.0000666 (0.0000327, 0.0001140) | 0.04131 (0.02089, 0.07028) |
| Sulawesi Tenggara | Other non-communicable diseases               | 25  | 23.6 (14.8, 34.9) | 0.0002299 (0.0001441, 0.0003396) | 0.09352 (0.06330, 0.13027) | 21.2 (14.0, 31.1) | 0.0001947 (0.0001289, 0.0002857) | 0.12074 (0.08396, 0.16911) |
| Sulawesi Tenggara | Drowning                                      | 25  | 3.8 (1.0, 7.4)    | 0.0000373 (0.0000094, 0.0001009) | 0.01518 (0.00391, 0.04014) | 0.9 (0.2, 2.5)    | 0.0000085 (0.0000019, 0.0000230) | 0.00526 (0.00126, 0.01396) |
| Sulawesi Tenggara | Falls                                         | 25  | 3.7 (1.4, 10.4)   | 0.0000361 (0.0000134, 0.0000716) | 0.01465 (0.00579, 0.02816) | 1.2 (0.5, 2.6)    | 0.0000115 (0.0000042, 0.0000239) | 0.0071 (0.00258, 0.01433)  |
| Sulawesi Tenggara | Interpersonal violence                        | 25  | 3.7 (1.8, 6.6)    | 0.0000358 (0.0000173, 0.0000638) | 0.01454 (0.00715, 0.02478) | 2.3 (1.0, 4.2)    | 0.0000208 (0.0000091, 0.0000389) | 0.01289 (0.00560, 0.02385) |
| Sulawesi Tenggara | Self-harm                                     | 25  | 4.0 (1.8, 7.9)    | 0.0000386 (0.0000172, 0.0000768) | 0.0157 (0.00708, 0.02915)  | 2.1 (0.8, 4.3)    | 0.0000195 (0.0000073, 0.0000400) | 0.01209 (0.00461, 0.02484) |
| Sulawesi Tenggara | Transport injuries                            | 25  | 36.8 (21.9, 56.2) | 0.0003582 (0.0002129, 0.0005470) | 0.14585 (0.09138, 0.21308) | 10.3 (5.5, 18.5)  | 0.0000947 (0.0000505, 0.0001701) | 0.05865 (0.03152, 0.10023) |
| Sulawesi Tenggara | Other unintentional injuries                  | 25  | 13.5 (7.0, 22.0)  | 0.0001316 (0.0000685, 0.0002145) | 0.05351 (0.02928, 0.08284) | 4.6 (2.2, 8.1)    | 0.0000426 (0.0000201, 0.0000741) | 0.02644 (0.01270, 0.04431) |
| Sulawesi Tenggara | Diarrheal diseases                            | 30  | 5.7 (2.1, 11.0)   | 0.0000618 (0.0000232, 0.0001191) | 0.02237 (0.00838, 0.04219) | 5.2 (1.9, 9.4)    | 0.0000554 (0.0000201, 0.0001015) | 0.02784 (0.01107, 0.04976) |
| Sulawesi Tenggara | HIV/AIDS                                      | 30  | 7.7 (2.0, 17.9)   | 0.000084 (0.0000218, 0.0001949)  | 0.0303 (0.00794, 0.06979)  | 5.2 (1.3, 12.6)   | 0.0000554 (0.0000145, 0.0001355) | 0.02779 (0.00742, 0.06137) |
| Sulawesi Tenggara | Lower respiratory infections                  | 30  | 3.5 (1.2, 7.3)    | 0.0000379 (0.0000129, 0.0000793) | 0.01368 (0.00488, 0.02810) | 1.9 (0.6, 4.2)    | 0.0000206 (0.0000069, 0.0000447) | 0.01033 (0.00341, 0.02187) |
| Sulawesi Tenggara | Malaria                                       | 30  | 2.7 (0.2, 9.9)    | 0.0000291 (0.0000021, 0.0001074) | 0.01048 (0.00078, 0.03877) | 1.7 (0.1, 6.5)    | 0.0000178 (0.0000012, 0.0000702) | 0.00891 (0.00063, 0.03234) |
| Sulawesi Tenggara | Tuberculosis                                  | 30  | 42.7 (26.1, 63.9) | 0.0004638 (0.0002836, 0.0006949) | 0.16734 (0.10729, 0.23399) | 21.6 (12.6, 33.5) | 0.0002325 (0.0001352, 0.0003599) | 0.11676 (0.07081, 0.16910) |
| Sulawesi Tenggara | Maternal disorders                            | 30  |                   |                                  |                            | 7.4 (3.9, 13.1)   | 0.0000799 (0.0000415, 0.0001408) | 0.04012 (0.02174, 0.06727) |
| Sulawesi Tenggara | Other communicable diseases                   | 30  | 12.3 (5.7, 21.2)  | 0.0001333 (0.0000622, 0.0002308) | 0.04818 (0.02396, 0.08101) | 7.8 (3.5, 14.1)   | 0.0000843 (0.0000380, 0.0001514) | 0.04226 (0.02043, 0.07228) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 30  | 1.6 (0.4, 4.5)    | 0.0000179 (0.0000043, 0.0000494) | 0.00647 (0.00158, 0.01704) | 0.8 (0.2, 1.9)    | 0.0000081 (0.0000021, 0.0000209) | 0.00409 (0.00109, 0.01045) |
| Sulawesi Tenggara | Breast cancer                                 | 30  | 0.1 (0.0, 0.4)    | 0.0000012 (0.0000001, 0.0000047) | 0.00042 (0.00005, 0.00167) | 12.9 (5.8, 23.2)  | 0.0001387 (0.0000620, 0.0002497) | 0.06966 (0.03219, 0.12265) |
| Sulawesi Tenggara | Cervical cancer                               | 30  |                   |                                  |                            | 5.7 (1.3, 14.2)   | 0.0000611 (0.0000145, 0.0001521) | 0.03063 (0.00752, 0.07541) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 30  | 13.7 (6.5, 24.1)  | 0.0001485 (0.0000708, 0.0002618) | 0.05356 (0.02595, 0.09279) | 11.5 (5.2, 21.9)  | 0.0001236 (0.0000554, 0.0002353) | 0.062 (0.02788, 0.11576)   |
| Sulawesi Tenggara | Cerebrovascular disease                       | 30  | 16.2 (10.1, 25.3) | 0.0001761 (0.0001100, 0.0002745) | 0.06362 (0.04174, 0.09508) | 14.1 (8.9, 21.2)  | 0.0001515 (0.0000954, 0.0002281) | 0.07623 (0.05006, 0.11043) |
| Sulawesi Tenggara | Ischemic heart disease                        | 30  | 20.2 (11.8, 31.4) | 0.0002194 (0.0001286, 0.0003407) | 0.07927 (0.04908, 0.11805) | 10.8 (5.9, 17.5)  | 0.000116 (0.0000635, 0.0001886)  | 0.05824 (0.03393, 0.08919) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 30  | 5.0 (2.2, 9.8)    | 0.0000544 (0.0000237, 0.0001061) | 0.01963 (0.00900, 0.03777) | 5.4 (2.4, 10.1)   | 0.0000583 (0.0000262, 0.0001090) | 0.02928 (0.01353, 0.05418) |
| Sulawesi Tenggara | Diabetes mellitus                             | 30  | 7.9 (4.3, 13.2)   | 0.0000855 (0.0000468, 0.0001440) | 0.03089 (0.01755, 0.05017) | 8.6 (5.1, 13.8)   | 0.0000921 (0.0000546, 0.0001480) | 0.04627 (0.02820, 0.07050) |
| Sulawesi Tenggara | Chronic kidney disease                        | 30  | 7.9 (4.9, 11.9)   | 0.0000864 (0.0000530, 0.0001293) | 0.0312 (0.02027, 0.04392)  | 7.5 (4.7, 11.5)   | 0.0000807 (0.0000500, 0.0001232) | 0.0405 (0.02687, 0.05739)  |
| Sulawesi Tenggara | Cirrhosis                                     | 30  | 17.7 (9.2, 31.4)  | 0.0001924 (0.0001001, 0.0003414) | 0.06945 (0.03764, 0.11435) | 9.1 (4.9, 15.5)   | 0.0000974 (0.0000528, 0.0001670) | 0.04897 (0.02754, 0.07941) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 30  | 10.0 (4.8, 16.5)  | 0.0001084 (0.0000522, 0.0001796) | 0.0392 (0.01964, 0.06691)  | 7.1 (3.4, 12.8)   | 0.0000764 (0.0000365, 0.0001371) | 0.03838 (0.01911, 0.06565) |
| Sulawesi Tenggara | Other non-communicable diseases               | 30  | 24.5 (15.3, 36.6) | 0.0002659 (0.0001668, 0.0003981) | 0.096 (0.06438, 0.13535)   | 21.6 (14.2, 31.8) | 0.0002327 (0.0001525, 0.0003418) | 0.11697 (0.07980, 0.16230) |
| Sulawesi Tenggara | Drowning                                      | 30  | 3.9 (1.0, 10.4)   | 0.0000429 (0.0000113, 0.0001132) | 0.01548 (0.00410, 0.03890) | 1.2 (0.3, 3.2)    | 0.0000127 (0.0000031, 0.0000346) | 0.0064 (0.00155, 0.01691)  |
| Sulawesi Tenggara | Falls                                         | 30  | 4.1 (1.4, 8.4)    | 0.0000448 (0.0000157, 0.0000916) | 0.01617 (0.00580, 0.03242) | 1.6 (0.6, 3.6)    | 0.0000174 (0.0000060, 0.0000386) | 0.00877 (0.00306, 0.01760) |
| Sulawesi Tenggara | Interpersonal violence                        | 30  | 2.8 (1.3, 5.1)    | 0.00003 (0.0000144, 0.0000549)   | 0.01083 (0.00519, 0.01864) | 1.7 (0.7, 3.1)    | 0.0000179 (0.0000079, 0.0000332) | 0.00901 (0.00408, 0.01717) |
| Sulawesi Tenggara | Self-harm                                     | 30  | 2.9 (1.2, 5.9)    | 0.0000319 (0.0000135, 0.0000645) | 0.01151 (0.00508, 0.02174) | 1.5 (0.6, 3.0)    | 0.000016 (0.0000063, 0.0000318)  | 0.00806 (0.00315, 0.01643) |
| Sulawesi Tenggara | Transport injuries                            | 30  | 29.9 (17.3, 47.4) | 0.0003254 (0.0001877, 0.0005147) | 0.1177 (0.07035, 0.17813)  | 9.2 (4.6, 16.5)   | 0.0000984 (0.0000496, 0.0001774) | 0.0494 (0.02536, 0.08383)  |
| Sulawesi Tenggara | Other unintentional injuries                  | 30  | 11.8 (6.2, 19.6)  | 0.0001281 (0.0000677, 0.0002133) | 0.04625 (0.02498, 0.07362) | 4.3 (2.0, 7.5)    | 0.000046 (0.0000217, 0.0000810)  | 0.02312 (0.01102, 0.03975) |
| Sulawesi Tenggara | Diarrheal diseases                            | 35  | 5.1 (1.9, 10.2)   | 0.0000584 (0.0000214, 0.0001164) | 0.01627 (0.00593, 0.03225) | 5.8 (2.1, 10.7)   | 0.000066 (0.0000244, 0.0001224)  | 0.023 (0.00909, 0.04248)   |
| Sulawesi Tenggara | HIV/AIDS                                      | 35  | 7.1 (1.7, 17.0)   | 0.0000804 (0.0000196, 0.0001934) | 0.0223 (0.00578, 0.05380)  | 5.5 (1.4, 13.2)   | 0.0000634 (0.0000158, 0.0001511) | 0.02208 (0.00602, 0.05194) |
| Sulawesi Tenggara | Lower respiratory infections                  | 35  | 3.7 (1.2, 8.1)    | 0.0000424 (0.0000139, 0.0000921) | 0.01176 (0.00421, 0.02441) | 2.6 (0.8, 5.5)    | 0.0000293 (0.0000097, 0.0000636) | 0.01023 (0.00330, 0.02175) |
| Sulawesi Tenggara | Malaria                                       | 35  | 2.5 (0.2, 8.9)    | 0.0000287 (0.0000021, 0.0001016) | 0.00794 (0.00060, 0.02888) | 1.8 (0.1, 6.9)    | 0.0000202 (0.0000014, 0.0000788) | 0.00701 (0.00049, 0.02744) |
| Sulawesi Tenggara | Tuberculosis                                  | 35  | 48.2 (28.9, 71.4) | 0.0005495 (0.0003294, 0.0008133) | 0.15262 (0.09561, 0.21276) | 27.6 (16.1, 43.8) | 0.0003162 (0.0001845, 0.0005022) | 0.11035 (0.06671, 0.16112) |
| Sulawesi Tenggara | Maternal disorders                            | 35  |                   |                                  |                            | 5.3 (2.4, 9.8)    | 0.0000602 (0.0000280, 0.0001120) | 0.02102 (0.01027, 0.03782) |
| Sulawesi Tenggara | Other communicable diseases                   | 35  | 11.0 (4.7, 19.7)  | 0.0001256 (0.0000533, 0.0002250) | 0.03496 (0.01608, 0.06065) | 9.0 (3.9, 16.1)   | 0.0001027 (0.0000451, 0.0001851) | 0.03579 (0.01629, 0.06246) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 35  | 1.4 (0.4, 3.8)    | 0.0000163 (0.0000040, 0.0000436) | 0.00454 (0.00113, 0.01155) | 1.1 (0.3, 2.8)    | 0.0000127 (0.0000035, 0.0000323) | 0.00443 (0.00119, 0.01135) |
| Sulawesi Tenggara | Breast cancer                                 | 35  | 0.2 (0.0, 0.9)    | 0.0000028 (0.0000004, 0.0000098) | 0.00077 (0.00011, 0.00286) | 20.2 (9.1, 35.6)  | 0.0002315 (0.0001043, 0.0004081) | 0.08083 (0.03715, 0.13641) |
| Sulawesi Tenggara | Cervical cancer                               | 35  |                   |                                  |                            | 9.5 (2.5, 22.8)   | 0.0001093 (0.0000285, 0.0002612) | 0.03809 (0.01027, 0.08650) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 35  | 21.2 (10.5, 36.7) | 0.0002419 (0.0001191, 0.0004184) | 0.06714 (0.03416, 0.11440) | 13.6 (5.6, 26.9)  | 0.0001555 (0.0000638, 0.0003080) | 0.05423 (0.02315, 0.10377) |



Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Cerebrovascular disease                       | 35  | 28.9 (18.5, 43.3) | 0.0003288 (0.0002105, 0.0004934) | 0.09143 (0.06096, 0.13072) | 26.1 (16.8, 38.1) | 0.0002995 (0.0001929, 0.0004370) | 0.10473 (0.07017, 0.14399) |
| Sulawesi Tenggara | Ischemic heart disease                        | 35  | 32.7 (20.1, 49.0) | 0.0003727 (0.0002293, 0.0005584) | 0.10363 (0.06697, 0.14893) | 18.1 (10.3, 28.8) | 0.0002079 (0.0001179, 0.0003300) | 0.07252 (0.04361, 0.10906) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 35  | 7.4 (3.4, 14.4)   | 0.0000842 (0.0000382, 0.0001644) | 0.02336 (0.01084, 0.04339) | 8.0 (3.6, 14.6)   | 0.0000914 (0.0000416, 0.0001673) | 0.03194 (0.01463, 0.05742) |
| Sulawesi Tenggara | Diabetes mellitus                             | 35  | 16.3 (9.2, 25.9)  | 0.0001862 (0.0001047, 0.0002954) | 0.05177 (0.03052, 0.08197) | 17.4 (10.7, 27.0) | 0.0001998 (0.0001224, 0.0003097) | 0.06971 (0.04462, 0.10048) |
| Sulawesi Tenggara | Chronic kidney disease                        | 35  | 10.7 (6.8, 15.8)  | 0.0001219 (0.0000772, 0.0001798) | 0.03387 (0.02241, 0.04714) | 9.7 (5.9, 14.6)   | 0.0001112 (0.0000680, 0.0001673) | 0.03883 (0.02631, 0.05401) |
| Sulawesi Tenggara | Cirrhosis                                     | 35  | 24.2 (12.9, 42.2) | 0.0002755 (0.0001468, 0.0004809) | 0.07654 (0.04249, 0.12540) | 12.8 (6.9, 22.2)  | 0.0001471 (0.0000792, 0.0002539) | 0.05139 (0.02952, 0.08179) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 35  | 13.7 (6.8, 22.7)  | 0.0001557 (0.0000774, 0.0002592) | 0.04333 (0.02301, 0.07081) | 9.3 (4.7, 16.4)   | 0.0001063 (0.0000536, 0.0001881) | 0.0371 (0.01917, 0.06078)  |
| Sulawesi Tenggara | Other non-communicable diseases               | 35  | 28.9 (17.9, 43.8) | 0.0003292 (0.0002037, 0.0004989) | 0.09146 (0.05916, 0.12747) | 26.2 (16.7, 38.9) | 0.0003002 (0.0001910, 0.0004461) | 0.10489 (0.07043, 0.14510) |
| Sulawesi Tenggara | Drowning                                      | 35  | 4.8 (1.3, 11.9)   | 0.0000553 (0.0000152, 0.0001355) | 0.01538 (0.00429, 0.03643) | 1.9 (0.5, 4.7)    | 0.0000212 (0.0000054, 0.0000540) | 0.00742 (0.00193, 0.01817) |
| Sulawesi Tenggara | Falls                                         | 35  | 4.3 (1.4, 8.3)    | 0.0000485 (0.0000156, 0.0000950) | 0.01346 (0.00468, 0.02672) | 2.0 (0.7, 4.1)    | 0.000023 (0.0000074, 0.0000476)  | 0.00803 (0.00274, 0.01615) |
| Sulawesi Tenggara | Interpersonal violence                        | 35  | 2.7 (1.2, 5.1)    | 0.0000305 (0.0000138, 0.0000579) | 0.00846 (0.00385, 0.01492) | 1.6 (0.7, 3.0)    | 0.0000186 (0.0000078, 0.0000349) | 0.00651 (0.00282, 0.01243) |
| Sulawesi Tenggara | Self-harm                                     | 35  | 3.1 (1.3, 6.0)    | 0.0000352 (0.0000142, 0.0000689) | 0.00979 (0.00414, 0.01831) | 1.5 (0.6, 3.2)    | 0.0000176 (0.0000067, 0.0000367) | 0.00615 (0.00238, 0.01245) |
| Sulawesi Tenggara | Transport injuries                            | 35  | 25.6 (13.4, 42.5) | 0.0002919 (0.0001531, 0.0004846) | 0.08121 (0.04632, 0.13000) | 8.7 (4.2, 15.9)   | 0.0000998 (0.0000484, 0.0001820) | 0.03481 (0.01719, 0.06102) |
| Sulawesi Tenggara | Other unintentional injuries                  | 35  | 12.0 (5.7, 20.4)  | 0.0001367 (0.0000653, 0.0002326) | 0.03799 (0.01909, 0.06312) | 4.7 (2.2, 8.7)    | 0.0000541 (0.0000256, 0.0000994) | 0.01891 (0.00903, 0.03464) |
| Sulawesi Tenggara | Diarrheal diseases                            | 40  | 5.3 (2.0, 10.3)   | 0.0000728 (0.0000271, 0.0001425) | 0.01444 (0.00495, 0.02737) | 6.2 (2.2, 11.8)   | 0.0000913 (0.0000324, 0.0001742) | 0.02252 (0.00841, 0.04082) |
| Sulawesi Tenggara | HIV/AIDS                                      | 40  | 3.6 (0.8, 9.2)    | 0.0000502 (0.0000108, 0.0001268) | 0.00994 (0.00226, 0.02611) | 2.9 (0.7, 7.1)    | 0.0000424 (0.0000099, 0.0001054) | 0.01044 (0.00253, 0.02575) |
| Sulawesi Tenggara | Lower respiratory infections                  | 40  | 3.6 (1.1, 7.8)    | 0.0000491 (0.0000154, 0.0001069) | 0.00969 (0.00323, 0.02022) | 2.7 (0.9, 5.8)    | 0.0000403 (0.0000132, 0.0000862) | 0.00995 (0.00330, 0.02193) |
| Sulawesi Tenggara | Malaria                                       | 40  | 2.4 (0.2, 8.8)    | 0.0000329 (0.0000024, 0.0001208) | 0.00651 (0.00048, 0.02319) | 1.5 (0.1, 5.9)    | 0.0000226 (0.0000016, 0.0000881) | 0.00554 (0.00040, 0.01998) |
| Sulawesi Tenggara | Tuberculosis                                  | 40  | 43.2 (25.7, 65.2) | 0.0005963 (0.0003547, 0.0008989) | 0.11793 (0.07146, 0.16960) | 23.5 (13.7, 38.4) | 0.0003483 (0.0002029, 0.0005679) | 0.08592 (0.05030, 0.13036) |
| Sulawesi Tenggara | Maternal disorders                            | 40  |                   |                                  |                            | 2.3 (1.0, 5.0)    | 0.000034 (0.0000146, 0.0000734)  | 0.00838 (0.00389, 0.01674) |
| Sulawesi Tenggara | Other communicable diseases                   | 40  | 10.2 (4.4, 18.6)  | 0.0001405 (0.0000603, 0.0002572) | 0.02783 (0.01225, 0.04936) | 9.0 (4.0, 16.4)   | 0.0001333 (0.0000593, 0.0002427) | 0.03282 (0.01544, 0.05682) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 40  | 2.4 (0.7, 6.1)    | 0.0000336 (0.0000097, 0.0000845) | 0.00665 (0.00196, 0.01590) | 1.2 (0.3, 3.1)    | 0.0000183 (0.0000050, 0.0000453) | 0.00451 (0.00125, 0.01084) |
| Sulawesi Tenggara | Breast cancer                                 | 40  | 0.5 (0.1, 1.5)    | 0.0000065 (0.0000011, 0.0000208) | 0.0013 (0.00023, 0.00422)  | 21.7 (9.7, 38.8)  | 0.0003212 (0.0001432, 0.0005739) | 0.07922 (0.03643, 0.13617) |
| Sulawesi Tenggara | Cervical cancer                               | 40  |                   |                                  |                            | 11.9 (3.3, 27.0)  | 0.0001758 (0.0000490, 0.0004001) | 0.04325 (0.01192, 0.09430) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 40  | 28.8 (14.5, 50.1) | 0.0003971 (0.0002002, 0.0006914) | 0.07849 (0.04108, 0.13309) | 12.5 (5.0, 25.1)  | 0.0001847 (0.0000737, 0.0003721) | 0.04553 (0.01823, 0.08881) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 40  | 45.2 (30.0, 65.5) | 0.0006239 (0.0004132, 0.0009036) | 0.12356 (0.08580, 0.17176) | 38.3 (25.3, 54.9) | 0.0005671 (0.0003743, 0.0008130) | 0.14007 (0.09891, 0.18782) |
| Sulawesi Tenggara | Ischemic heart disease                        | 40  | 47.0 (30.0, 68.8) | 0.000649 (0.0004142, 0.0009488)  | 0.12851 (0.08531, 0.17898) | 24.5 (14.0, 38.3) | 0.0003634 (0.0002066, 0.0005664) | 0.08956 (0.05509, 0.12950) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 40  | 10.5 (4.8, 20.2)  | 0.0001449 (0.0000659, 0.0002793) | 0.02864 (0.01329, 0.05225) | 9.8 (4.6, 17.7)   | 0.0001453 (0.0000679, 0.0002625) | 0.03588 (0.01664, 0.06389) |
| Sulawesi Tenggara | Diabetes mellitus                             | 40  | 32.8 (19.6, 50.1) | 0.0004519 (0.0002706, 0.0006913) | 0.0895 (0.05718, 0.13266)  | 30.1 (19.5, 45.3) | 0.0004455 (0.0002885, 0.0006714) | 0.10986 (0.07589, 0.15038) |
| Sulawesi Tenggara | Chronic kidney disease                        | 40  | 13.3 (8.5, 19.3)  | 0.0001841 (0.0001178, 0.0002659) | 0.03643 (0.02450, 0.05026) | 10.7 (6.4, 15.4)  | 0.0001502 (0.0000941, 0.0002276) | 0.03704 (0.02547, 0.05095) |
| Sulawesi Tenggara | Cirrhosis                                     | 40  | 29.2 (15.5, 51.1) | 0.0004025 (0.0002134, 0.0007056) | 0.07967 (0.04344, 0.13162) | 14.5 (7.9, 24.6)  | 0.0002147 (0.0001166, 0.0003646) | 0.053 (0.03098, 0.08477)   |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 40  | 17.3 (8.6, 28.8)  | 0.0002384 (0.0001185, 0.0003967) | 0.04721 (0.02466, 0.07539) | 9.7 (4.8, 16.9)   | 0.0001442 (0.0000714, 0.0002500) | 0.03559 (0.01814, 0.05837) |
| Sulawesi Tenggara | Other non-communicable diseases               | 40  | 31.4 (19.6, 48.0) | 0.0004327 (0.0002705, 0.0006618) | 0.08564 (0.05591, 0.12138) | 25.8 (16.1, 39.1) | 0.0003816 (0.0002389, 0.0005789) | 0.09492 (0.06216, 0.13274) |
| Sulawesi Tenggara | Drowning                                      | 40  | 2.5 (0.6, 6.3)    | 0.0000338 (0.0000086, 0.0000864) | 0.00671 (0.00171, 0.01686) | 1.1 (0.3, 3.0)    | 0.0000169 (0.0000041, 0.0000442) | 0.00418 (0.00102, 0.01076) |
| Sulawesi Tenggara | Falls                                         | 40  | 3.6 (1.2, 7.5)    | 0.000049 (0.0000162, 0.0001037)  | 0.0097 (0.00336, 0.01950)  | 1.9 (0.7, 3.9)    | 0.0000277 (0.0000096, 0.0000579) | 0.00685 (0.00237, 0.01385) |
| Sulawesi Tenggara | Interpersonal violence                        | 40  | 2.0 (0.9, 3.9)    | 0.0000276 (0.0000121, 0.0000544) | 0.00546 (0.00237, 0.01036) | 1.0 (0.4, 2.1)    | 0.0000154 (0.0000064, 0.0000304) | 0.00382 (0.00161, 0.00740) |
| Sulawesi Tenggara | Self-harm                                     | 40  | 2.6 (1.0, 5.4)    | 0.0000362 (0.0000139, 0.0000743) | 0.00716 (0.00278, 0.01430) | 1.1 (0.4, 2.3)    | 0.0000158 (0.0000058, 0.0000337) | 0.00392 (0.00149, 0.00786) |
| Sulawesi Tenggara | Transport injuries                            | 40  | 19.7 (9.8, 34.9)  | 0.0002719 (0.0001352, 0.0004810) | 0.05389 (0.02835, 0.09233) | 6.9 (3.2, 13.1)   | 0.000102 (0.0000476, 0.0001939)  | 0.02514 (0.01213, 0.04591) |
| Sulawesi Tenggara | Other unintentional injuries                  | 40  | 9.2 (4.3, 16.2)   | 0.0001271 (0.0000595, 0.0002241) | 0.02514 (0.01245, 0.04331) | 3.5 (1.6, 6.6)    | 0.0000518 (0.0000244, 0.0000973) | 0.01278 (0.00598, 0.02368) |
| Sulawesi Tenggara | Diarrheal diseases                            | 45  | 4.6 (1.6, 9.4)    | 0.0000835 (0.0000299, 0.0001705) | 0.01194 (0.00417, 0.02354) | 7.4 (2.9, 13.8)   | 0.0001338 (0.0000528, 0.0002518) | 0.02099 (0.00853, 0.03797) |
| Sulawesi Tenggara | HIV/AIDS                                      | 45  | 1.7 (0.3, 4.9)    | 0.0000308 (0.0000062, 0.0000894) | 0.00439 (0.00089, 0.01254) | 1.8 (0.4, 4.9)    | 0.0000327 (0.0000070, 0.0000892) | 0.00513 (0.00117, 0.01378) |
| Sulawesi Tenggara | Lower respiratory infections                  | 45  | 3.8 (1.2, 8.4)    | 0.0000692 (0.0000221, 0.0001525) | 0.00985 (0.00334, 0.02109) | 4.2 (1.3, 8.8)    | 0.000076 (0.0000244, 0.0001603)  | 0.01193 (0.00397, 0.02566) |
| Sulawesi Tenggara | Malaria                                       | 45  | 1.8 (0.1, 7.1)    | 0.0000336 (0.0000025, 0.0001287) | 0.00478 (0.00036, 0.01770) | 1.4 (0.1, 6.1)    | 0.0000261 (0.0000019, 0.0001113) | 0.00408 (0.00029, 0.01642) |
| Sulawesi Tenggara | Tuberculosis                                  | 45  | 42.3 (24.9, 62.9) | 0.0007687 (0.0004524, 0.0011433) | 0.10957 (0.06735, 0.15443) | 28.4 (16.5, 45.0) | 0.0005171 (0.0002997, 0.0008194) | 0.08117 (0.04715, 0.12007) |
| Sulawesi Tenggara | Maternal disorders                            | 45  |                   |                                  |                            | 0.8 (0.3, 2.0)    | 0.0000152 (0.0000053, 0.0000364) | 0.00238 (0.00087, 0.00529) |
| Sulawesi Tenggara | Other communicable diseases                   | 45  | 7.6 (3.1, 14.1)   | 0.0001378 (0.0000556, 0.0002560) | 0.01966 (0.00832, 0.03606) | 9.5 (4.3, 17.4)   | 0.0001735 (0.0000776, 0.0003168) | 0.02718 (0.01274, 0.04745) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 45  | 3.9 (1.2, 9.0)    | 0.0000718 (0.0000224, 0.0001646) | 0.01023 (0.00322, 0.02346) | 1.6 (0.5, 3.9)    | 0.0000298 (0.0000083, 0.0000713) | 0.00469 (0.00134, 0.01141) |
| Sulawesi Tenggara | Breast cancer                                 | 45  | 0.5 (0.1, 1.6)    | 0.0000098 (0.0000019, 0.0000296) | 0.0014 (0.00030, 0.00423)  | 22.5 (9.6, 40.6)  | 0.0004087 (0.0001753, 0.0007386) | 0.06419 (0.02714, 0.11573) |
| Sulawesi Tenggara | Cervical cancer                               | 45  |                   |                                  |                            | 12.7 (3.5, 29.9)  | 0.0002309 (0.0000634, 0.0005440) | 0.03615 (0.01005, 0.08036) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 45  | 23.5 (11.5, 42.2) | 0.0004269 (0.0002089, 0.0007680) | 0.0608 (0.03016, 0.10619)  | 12.6 (4.9, 25.4)  | 0.0002286 (0.0000889, 0.0004620) | 0.03585 (0.01368, 0.06999) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 45  | 57.7 (38.2, 81.6) | 0.0010502 (0.0006951, 0.0014837) | 0.14986 (0.10657, 0.20400) | 60.1 (41.6, 84.5) | 0.0010947 (0.0007577, 0.0015372) | 0.17202 (0.12600, 0.22720) |
| Sulawesi Tenggara | Ischemic heart disease                        | 45  | 56.1 (36.0, 82.2) | 0.0010204 (0.0006552, 0.0014951) | 0.14556 (0.10079, 0.19999) | 33.7 (19.5, 52.5) | 0.0006141 (0.0003552, 0.0009560) | 0.0963 (0.06108, 0.13955)  |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 45  | 12.1 (5.5, 23.6)  | 0.0002196 (0.0000999, 0.0004295) | 0.03128 (0.01486, 0.05775) | 13.6 (6.4, 24.3)  | 0.0002473 (0.0001162, 0.0004426) | 0.03886 (0.01888, 0.06875) |
| Sulawesi Tenggara | Diabetes mellitus                             | 45  | 46.8 (28.5, 69.2) | 0.0008521 (0.0005191, 0.0012586) | 0.12158 (0.08012, 0.17377) | 50.7 (34.0, 73.1) | 0.0009226 (0.0006194, 0.0013308) | 0.1448 (0.10357, 0.19385)  |
| Sulawesi Tenggara | Chronic kidney disease                        | 45  | 13.1 (8.3, 18.9)  | 0.0002387 (0.0001508, 0.0003438) | 0.03405 (0.02359, 0.04695) | 11.5 (7.2, 17.0)  | 0.0002087 (0.0001317, 0.0003092) | 0.03275 (0.02286, 0.04501) |
| Sulawesi Tenggara | Cirrhosis                                     | 45  | 27.2 (14.3, 48.3) | 0.0004939 (0.0002607, 0.0008782) | 0.07043 (0.03710, 0.11874) | 17.1 (9.3, 28.5)  | 0.0003104 (0.0001695, 0.0005187) | 0.04876 (0.02794, 0.07839) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 45  | 19.6 (10.0, 32.3) | 0.0003563 (0.0001820, 0.0005883) | 0.05084 (0.02738, 0.08112) | 13.9 (7.1, 23.4)  | 0.0002531 (0.0001301, 0.0004267) | 0.03975 (0.02125, 0.06345) |
| Sulawesi Tenggara | Other non-communicable diseases               | 45  | 28.4 (17.6, 43.1) | 0.0005166 (0.0003205, 0.0007847) | 0.07366 (0.04839, 0.10503) | 28.6 (18.0, 43.0) | 0.0005204 (0.0003272, 0.0007820) | 0.08175 (0.05499, 0.11487) |
| Sulawesi Tenggara | Drowning                                      | 45  | 1.5 (0.4, 3.8)    | 0.0000268 (0.0000066, 0.0000685) | 0.00382 (0.00088, 0.01006) | 1.1 (0.2, 3.0)    | 0.0000194 (0.0000045, 0.0000542) | 0.00306 (0.00071, 0.00803) |
| Sulawesi Tenggara | Falls                                         | 45  | 3.5 (1.1, 7.6)    | 0.0000645 (0.0000208, 0.0001375) | 0.00918 (0.00314, 0.01873) | 2.7 (0.9, 5.7)    | 0.0000489 (0.0000164, 0.0001032) | 0.00768 (0.00269, 0.01539) |
| Sulawesi Tenggara | Interpersonal violence                        | 45  | 1.6 (0.6, 3.2)    | 0.0000289 (0.0000113, 0.0000580) | 0.00412 (0.00163, 0.00776) | 0.9 (0.4, 1.9)    | 0.0000173 (0.0000069, 0.0000342) | 0.00272 (0.00111, 0.00532) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males              |                                  |                             | Females             |                                  |                            |
|-------------------|-----------------------------------------------|-----|--------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|                   |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Self-harm                                     | 45  | 2.4 (0.8, 5.0)     | 0.000436 (0.0000154, 0.0000903)  | 0.0062 (0.00235, 0.01284)   | 1.1 (0.4, 2.3)      | 0.0000195 (0.0000071, 0.0000416) | 0.00307 (0.00113, 0.00633) |
| Sulawesi Tenggara | Transport injuries                            | 45  | 17.9 (8.8, 30.6)   | 0.0003249 (0.0001606, 0.0005568) | 0.04638 (0.02395, 0.07799)  | 8.4 (4.1, 15.6)     | 0.0001524 (0.0000747, 0.0002839) | 0.02393 (0.01204, 0.04268) |
| Sulawesi Tenggara | Other unintentional injuries                  | 45  | 7.9 (3.7, 14.0)    | 0.0001433 (0.0000673, 0.0002547) | 0.02043 (0.00976, 0.03509)  | 3.8 (1.7, 7.1)      | 0.0000688 (0.0000316, 0.0001287) | 0.01082 (0.00505, 0.01996) |
| Sulawesi Tenggara | Diarrheal diseases                            | 50  | 6.2 (2.4, 12.0)    | 0.0001361 (0.0000520, 0.0002706) | 0.01308 (0.00490, 0.02487)  | 10.6 (4.4, 19.2)    | 0.0002323 (0.0000963, 0.0004208) | 0.02395 (0.01000, 0.04166) |
| Sulawesi Tenggara | HIV/AIDS                                      | 50  | 0.8 (0.1, 2.3)     | 0.0000168 (0.0000032, 0.0000495) | 0.00161 (0.00032, 0.00464)  | 0.9 (0.2, 2.4)      | 0.0000191 (0.0000039, 0.0000525) | 0.00197 (0.00042, 0.00522) |
| Sulawesi Tenggara | Lower respiratory infections                  | 50  | 5.3 (1.7, 11.5)    | 0.0001154 (0.0000361, 0.0002521) | 0.01105 (0.00387, 0.02346)  | 6.3 (2.2, 13.2)     | 0.000138 (0.0000473, 0.0002889)  | 0.01425 (0.00489, 0.03025) |
| Sulawesi Tenggara | Malaria                                       | 50  | 1.9 (0.1, 7.6)     | 0.0000423 (0.0000029, 0.0001667) | 0.00405 (0.000029, 0.01554) | 1.5 (0.1, 6.3)      | 0.0000328 (0.0000021, 0.0001377) | 0.00337 (0.00022, 0.01400) |
| Sulawesi Tenggara | Tuberculosis                                  | 50  | 50.2 (29.9, 75.0)  | 0.0011003 (0.0006538, 0.0016425) | 0.10549 (0.06404, 0.14860)  | 33.6 (19.3, 53.3)   | 0.0007383 (0.0004227, 0.0011698) | 0.07626 (0.04415, 0.11283) |
| Sulawesi Tenggara | Maternal disorders                            | 50  |                    |                                  |                             | 0.3 (0.1, 0.9)      | 0.0000076 (0.0000020, 0.0000208) | 0.00079 (0.00021, 0.00211) |
| Sulawesi Tenggara | Other communicable diseases                   | 50  | 7.8 (3.2, 15.3)    | 0.0001718 (0.0000704, 0.0003343) | 0.0165 (0.00706, 0.03154)   | 10.8 (4.9, 20.0)    | 0.0002361 (0.0001073, 0.0004389) | 0.02433 (0.01150, 0.04360) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 50  | 5.5 (1.7, 12.9)    | 0.0001214 (0.0000378, 0.0002815) | 0.01164 (0.00364, 0.02540)  | 1.9 (0.5, 4.6)      | 0.0000428 (0.0000118, 0.0001017) | 0.00443 (0.00127, 0.01076) |
| Sulawesi Tenggara | Breast cancer                                 | 50  | 0.5 (0.1, 1.4)     | 0.0000109 (0.0000023, 0.0000312) | 0.00105 (0.00022, 0.00304)  | 20.1 (8.1, 38.1)    | 0.0004407 (0.0001778, 0.0008369) | 0.04552 (0.01880, 0.08464) |
| Sulawesi Tenggara | Cervical cancer                               | 50  |                    |                                  |                             | 12.4 (3.2, 30.0)    | 0.0002724 (0.0000713, 0.0006580) | 0.02804 (0.00749, 0.06296) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 50  | 20.4 (9.5, 38.1)   | 0.0004464 (0.0002079, 0.0008354) | 0.04277 (0.02062, 0.07713)  | 13.3 (4.9, 27.3)    | 0.0002925 (0.0001080, 0.0006004) | 0.03018 (0.01163, 0.06048) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 50  | 83.8 (57.0, 116.6) | 0.0018347 (0.0012491, 0.0025543) | 0.17605 (0.12645, 0.23320)  | 89.7 (63.3, 121.4)  | 0.0019696 (0.0013889, 0.0026657) | 0.20353 (0.15597, 0.25988) |
| Sulawesi Tenggara | Ischemic heart disease                        | 50  | 75.8 (48.9, 109.5) | 0.0016611 (0.0010721, 0.0023983) | 0.15937 (0.11114, 0.21671)  | 44.6 (26.2, 68.9)   | 0.0009792 (0.0005755, 0.0015130) | 0.10101 (0.06476, 0.14730) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 50  | 16.8 (7.6, 32.4)   | 0.0003678 (0.0001659, 0.0007096) | 0.03521 (0.01716, 0.06498)  | 19.4 (9.2, 34.5)    | 0.000426 (0.0002018, 0.0007578)  | 0.04402 (0.02194, 0.07726) |
| Sulawesi Tenggara | Diabetes mellitus                             | 50  | 66.0 (41.0, 95.4)  | 0.0014458 (0.0008975, 0.0020906) | 0.13875 (0.09418, 0.19423)  | 72.4 (48.7, 102.4)  | 0.0015891 (0.0010692, 0.0022481) | 0.16405 (0.12024, 0.21581) |
| Sulawesi Tenggara | Chronic kidney disease                        | 50  | 14.8 (9.5, 21.1)   | 0.0003234 (0.0002075, 0.0004629) | 0.03101 (0.02145, 0.04261)  | 12.9 (8.1, 19.0)    | 0.0002827 (0.0001787, 0.0004176) | 0.02918 (0.02032, 0.03995) |
| Sulawesi Tenggara | Cirrhosis                                     | 50  | 30.5 (15.7, 54.2)  | 0.0006672 (0.0003430, 0.0011873) | 0.06399 (0.03422, 0.10949)  | 20.2 (11.2, 33.0)   | 0.0004424 (0.0002465, 0.0007240) | 0.04571 (0.02665, 0.07370) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 50  | 26.8 (13.6, 43.6)  | 0.0005879 (0.0002976, 0.0009559) | 0.05642 (0.03022, 0.08995)  | 20.2 (10.6, 33.3)   | 0.0004435 (0.0002325, 0.0007306) | 0.04581 (0.02449, 0.07271) |
| Sulawesi Tenggara | Other non-communicable diseases               | 50  | 32.1 (20.1, 48.8)  | 0.0007025 (0.0004409, 0.0010687) | 0.06738 (0.04379, 0.09595)  | 33.4 (21.0, 50.3)   | 0.0007327 (0.0004620, 0.0011039) | 0.07567 (0.05059, 0.10679) |
| Sulawesi Tenggara | Drowning                                      | 50  | 1.1 (0.3, 3.3)     | 0.0000247 (0.0000063, 0.0000714) | 0.00237 (0.00061, 0.00651)  | 0.9 (0.2, 2.7)      | 0.0000205 (0.0000046, 0.0000591) | 0.00212 (0.00047, 0.00591) |
| Sulawesi Tenggara | Falls                                         | 50  | 4.2 (1.5, 8.9)     | 0.0000928 (0.0000330, 0.0001943) | 0.0089 (0.00333, 0.01872)   | 3.5 (1.3, 7.2)      | 0.0000765 (0.0000290, 0.0001583) | 0.00791 (0.00298, 0.01589) |
| Sulawesi Tenggara | Interpersonal violence                        | 50  | 1.3 (0.5, 2.6)     | 0.0000291 (0.0000115, 0.0000563) | 0.00279 (0.00107, 0.00530)  | 0.8 (0.3, 1.5)      | 0.0000167 (0.0000064, 0.0000333) | 0.00173 (0.00069, 0.00338) |
| Sulawesi Tenggara | Self-harm                                     | 50  | 2.2 (0.8, 4.7)     | 0.0000487 (0.0000177, 0.0001038) | 0.00467 (0.00180, 0.00929)  | 0.9 (0.3, 2.0)      | 0.0000204 (0.0000073, 0.0000429) | 0.00211 (0.00078, 0.00441) |
| Sulawesi Tenggara | Transport injuries                            | 50  | 14.9 (7.1, 26.0)   | 0.000327 (0.0001563, 0.0005687)  | 0.03142 (0.01583, 0.05487)  | 7.3 (3.3, 13.8)     | 0.0001601 (0.0000735, 0.0003034) | 0.01652 (0.00788, 0.02934) |
| Sulawesi Tenggara | Other unintentional injuries                  | 50  | 6.9 (3.1, 12.9)    | 0.0001504 (0.0000685, 0.0002816) | 0.01442 (0.00687, 0.02538)  | 3.3 (1.5, 6.2)      | 0.000073 (0.0000328, 0.0001365)  | 0.00754 (0.00346, 0.01398) |
| Sulawesi Tenggara | Diarrheal diseases                            | 55  | 6.8 (2.7, 13.0)    | 0.0002105 (0.0000819, 0.0004024) | 0.01421 (0.00548, 0.02549)  | 11.0 (4.6, 19.1)    | 0.0003796 (0.0001580, 0.0006580) | 0.02596 (0.01145, 0.04446) |
| Sulawesi Tenggara | HIV/AIDS                                      | 55  | 0.3 (0.1, 1.0)     | 0.0000101 (0.0000017, 0.0000309) | 0.00068 (0.00012, 0.00217)  | 0.3 (0.1, 1.2)      | 0.0000119 (0.0000022, 0.0000399) | 0.00082 (0.00015, 0.00258) |
| Sulawesi Tenggara | Lower respiratory infections                  | 55  | 5.7 (1.8, 12.0)    | 0.0001765 (0.0000569, 0.0003784) | 0.01188 (0.00416, 0.02447)  | 6.6 (2.3, 13.2)     | 0.0002259 (0.0000807, 0.0004562) | 0.01547 (0.00560, 0.03153) |
| Sulawesi Tenggara | Malaria                                       | 55  | 1.8 (0.1, 7.1)     | 0.0000562 (0.0000036, 0.0002189) | 0.00378 (0.00026, 0.01438)  | 1.3 (0.1, 5.6)      | 0.0000437 (0.0000028, 0.0001917) | 0.00299 (0.00019, 0.01258) |
| Sulawesi Tenggara | Tuberculosis                                  | 55  | 43.6 (25.2, 67.3)  | 0.0013476 (0.0007791, 0.0020790) | 0.09075 (0.05291, 0.13099)  | 26.5 (14.4, 42.9)   | 0.0009144 (0.0004956, 0.0014777) | 0.06261 (0.03360, 0.09709) |
| Sulawesi Tenggara | Other communicable diseases                   | 55  | 7.7 (3.1, 15.0)    | 0.0002387 (0.0000970, 0.0004629) | 0.01609 (0.00705, 0.03005)  | 10.2 (4.5, 18.8)    | 0.0003525 (0.0001559, 0.0006479) | 0.02409 (0.01108, 0.04293) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 55  | 5.5 (1.7, 12.3)    | 0.0001706 (0.0000526, 0.0003810) | 0.01149 (0.00353, 0.02552)  | 1.5 (0.4, 3.6)      | 0.000052 (0.0000146, 0.0001257)  | 0.00357 (0.00102, 0.00852) |
| Sulawesi Tenggara | Breast cancer                                 | 55  | 0.4 (0.1, 1.1)     | 0.0000119 (0.0000025, 0.0000331) | 0.0008 (0.00017, 0.00225)   | 13.2 (5.0, 26.1)    | 0.0004555 (0.0001708, 0.0009001) | 0.0312 (0.01191, 0.06026)  |
| Sulawesi Tenggara | Cervical cancer                               | 55  |                    |                                  |                             | 8.9 (2.2, 21.9)     | 0.0003057 (0.0000771, 0.0007554) | 0.02086 (0.00531, 0.04932) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 55  | 15.2 (7.0, 28.2)   | 0.0004707 (0.0002174, 0.0008718) | 0.03167 (0.01505, 0.05679)  | 10.6 (4.0, 21.4)    | 0.0003642 (0.0001370, 0.0007383) | 0.02492 (0.00918, 0.05097) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 55  | 97.2 (67.6, 134.1) | 0.0030032 (0.0020878, 0.0041443) | 0.20235 (0.14932, 0.26574)  | 100.5 (73.3, 132.5) | 0.0034652 (0.0025279, 0.0045692) | 0.2374 (0.18435, 0.29811)  |
| Sulawesi Tenggara | Ischemic heart disease                        | 55  | 82.6 (54.6, 118.2) | 0.0025519 (0.0016879, 0.0036517) | 0.17195 (0.12114, 0.23330)  | 46.8 (28.0, 70.7)   | 0.001614 (0.0009669, 0.0024389)  | 0.11042 (0.07177, 0.15977) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 55  | 18.5 (8.7, 35.8)   | 0.0005722 (0.0002678, 0.0011073) | 0.03848 (0.01881, 0.07124)  | 20.3 (10.1, 36.3)   | 0.0007004 (0.0003480, 0.0012527) | 0.04798 (0.02377, 0.08395) |
| Sulawesi Tenggara | Diabetes mellitus                             | 55  | 68.0 (42.9, 97.9)  | 0.0021012 (0.0013270, 0.0030258) | 0.1416 (0.09506, 0.19676)   | 71.0 (48.8, 99.5)   | 0.0024478 (0.0016817, 0.0034318) | 0.16753 (0.12122, 0.21789) |
| Sulawesi Tenggara | Chronic kidney disease                        | 55  | 13.6 (8.8, 19.7)   | 0.000421 (0.0002726, 0.0006100)  | 0.02836 (0.01970, 0.03921)  | 11.2 (7.2, 16.5)    | 0.0003852 (0.0002489, 0.0005702) | 0.02636 (0.01815, 0.03636) |
| Sulawesi Tenggara | Cirrhosis                                     | 55  | 27.7 (14.4, 49.9)  | 0.0008559 (0.0004458, 0.0015421) | 0.05764 (0.03090, 0.09854)  | 17.9 (10.0, 29.8)   | 0.0006162 (0.0003459, 0.0010264) | 0.04222 (0.02474, 0.06876) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 55  | 28.7 (15.2, 45.9)  | 0.000886 (0.0004710, 0.0014181)  | 0.05974 (0.03302, 0.09254)  | 20.2 (11.0, 32.6)   | 0.0006969 (0.0003802, 0.0011231) | 0.04773 (0.02690, 0.07266) |
| Sulawesi Tenggara | Other non-communicable diseases               | 55  | 32.8 (20.5, 49.4)  | 0.0010133 (0.0006331, 0.0015257) | 0.06825 (0.04421, 0.09766)  | 32.8 (21.0, 49.3)   | 0.0011301 (0.0007265, 0.0016974) | 0.07739 (0.05115, 0.11054) |
| Sulawesi Tenggara | Drowning                                      | 55  | 0.9 (0.2, 2.4)     | 0.0000279 (0.0000064, 0.0000754) | 0.00188 (0.00040, 0.00530)  | 0.8 (0.1, 2.1)      | 0.000026 (0.0000050, 0.0000735)  | 0.00178 (0.00034, 0.00504) |
| Sulawesi Tenggara | Falls                                         | 55  | 4.8 (1.8, 9.5)     | 0.0001474 (0.0000548, 0.0002930) | 0.00993 (0.00395, 0.01934)  | 3.8 (1.6, 7.5)      | 0.0001318 (0.0000546, 0.0002573) | 0.00904 (0.00376, 0.01730) |
| Sulawesi Tenggara | Interpersonal violence                        | 55  | 1.0 (0.4, 1.9)     | 0.0000296 (0.0000117, 0.0000575) | 0.002 (0.00077, 0.00386)    | 0.5 (0.2, 1.0)      | 0.0000169 (0.0000064, 0.0000348) | 0.00116 (0.00046, 0.00234) |
| Sulawesi Tenggara | Self-harm                                     | 55  | 1.8 (0.7, 3.6)     | 0.0000556 (0.0000204, 0.0001128) | 0.00374 (0.00148, 0.00751)  | 0.7 (0.2, 1.4)      | 0.0000227 (0.0000085, 0.0000476) | 0.00156 (0.00058, 0.00321) |
| Sulawesi Tenggara | Transport injuries                            | 55  | 10.2 (4.8, 19.3)   | 0.0003159 (0.0001486, 0.0005955) | 0.02131 (0.01017, 0.04075)  | 4.7 (2.0, 9.6)      | 0.0001632 (0.0000706, 0.0003298) | 0.01115 (0.00488, 0.02165) |
| Sulawesi Tenggara | Other unintentional injuries                  | 55  | 5.5 (2.5, 9.9)     | 0.0001697 (0.0000766, 0.0003054) | 0.01144 (0.00527, 0.02034)  | 2.5 (1.1, 4.6)      | 0.0000848 (0.0000381, 0.0001598) | 0.00581 (0.00270, 0.01067) |
| Sulawesi Tenggara | Diarrheal diseases                            | 60  | 9.0 (3.5, 16.7)    | 0.0003937 (0.0001539, 0.0007295) | 0.01609 (0.00617, 0.02986)  | 16.2 (7.0, 28.4)    | 0.0006462 (0.0002787, 0.0011363) | 0.02863 (0.01294, 0.04963) |
| Sulawesi Tenggara | HIV/AIDS                                      | 60  | 0.3 (0.0, 0.8)     | 0.0000112 (0.0000017, 0.0000344) | 0.00046 (0.00007, 0.00143)  | 0.3 (0.1, 0.9)      | 0.0000124 (0.0000020, 0.0000378) | 0.00055 (0.00009, 0.00168) |
| Sulawesi Tenggara | Lower respiratory infections                  | 60  | 9.4 (3.2, 19.1)    | 0.0004093 (0.0001396, 0.0008323) | 0.01669 (0.00603, 0.03336)  | 12.4 (4.6, 24.0)    | 0.0004951 (0.0001831, 0.0009573) | 0.02196 (0.00809, 0.04185) |
| Sulawesi Tenggara | Malaria                                       | 60  | 2.0 (0.1, 8.2)     | 0.000088 (0.0000056, 0.0003593)  | 0.00359 (0.00025, 0.01487)  | 1.6 (0.1, 6.9)      | 0.0000626 (0.0000039, 0.0002776) | 0.00277 (0.00017, 0.01211) |
| Sulawesi Tenggara | Tuberculosis                                  | 60  | 54.9 (32.1, 83.8)  | 0.002396 (0.0013986, 0.0036529)  | 0.09774 (0.05670, 0.14095)  | 38.9 (21.2, 61.1)   | 0.0015553 (0.0008485, 0.0024420) | 0.06896 (0.03705, 0.10500) |
| Sulawesi Tenggara | Other communicable diseases                   | 60  | 7.6 (3.0, 15.3)    | 0.0003333 (0.0001330, 0.0006690) | 0.01361 (0.00553, 0.02614)  | 11.2 (4.8, 20.7)    | 0.0004487 (0.0001911, 0.0008274) | 0.01985 (0.00892, 0.03624) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 60  | 5.7 (1.7, 13.2)    | 0.0002489 (0.0000744, 0.0005753) | 0.01015 (0.00305, 0.02311)  | 1.7 (0.5, 4.3)      | 0.0000693 (0.0000198, 0.0001712) | 0.00308 (0.00089, 0.00749) |
| Sulawesi Tenggara | Breast cancer                                 | 60  | 0.4 (0.1, 1.0)     | 0.0000157 (0.0000031, 0.0000448) | 0.00064 (0.00013, 0.00178)  | 11.5 (3.9, 23.5)    | 0.0004583 (0.0001549, 0.0009374) | 0.02032 (0.00699, 0.04051) |
| Sulawesi Tenggara | Cervical cancer                               | 60  |                    |                                  |                             | 9.5 (2.4, 24.7)     | 0.0003803 (0.0000957, 0.0009857) | 0.01681 (0.00439, 0.04015) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 60  | 15.4 (7.1, 28.5)   | 0.0006723 (0.0003092, 0.0012434) | 0.02741 (0.01312, 0.04978)  | 13.1 (5.0, 26.9)    | 0.0005228 (0.0001979, 0.0010738) | 0.02315 (0.00891, 0.04610) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Deaths (95% UI)      | Males                            |                            |  | Deaths (95% UI)      | Females                          |                            |  |
|-------------------|-----------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--|----------------------|----------------------------------|----------------------------|--|
|                   |                                               |     |                      | CSMR (95% UI)                    | CF (95% UI)                |  |                      | CSMR (95% UI)                    | CF (95% UI)                |  |
| Sulawesi Tenggara | Cerebrovascular disease                       | 60  | 122.9 (87.9, 163.9)  | 0.0053601 (0.0038347, 0.0071494) | 0.21883 (0.16471, 0.28209) |  | 145.7 (108.6, 188.9) | 0.0058206 (0.0043409, 0.0075467) | 0.25822 (0.20344, 0.31950) |  |
| Sulawesi Tenggara | Ischemic heart disease                        | 60  | 90.2 (58.5, 130.2)   | 0.0039342 (0.0025501, 0.0056769) | 0.1606 (0.11159, 0.22325)  |  | 62.1 (37.9, 94.4)    | 0.0024822 (0.0015148, 0.0037723) | 0.10995 (0.07014, 0.15914) |  |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 60  | 22.9 (10.6, 42.8)    | 0.0009995 (0.0004623, 0.0018669) | 0.04072 (0.01955, 0.07346) |  | 28.0 (13.7, 48.9)    | 0.0011179 (0.0005481, 0.0019561) | 0.04959 (0.02453, 0.08578) |  |
| Sulawesi Tenggara | Diabetes mellitus                             | 60  | 68.3 (41.0, 99.6)    | 0.002977 (0.0017865, 0.0043448)  | 0.12155 (0.07897, 0.17387) |  | 82.2 (56.0, 115.0)   | 0.0032837 (0.0022360, 0.0045949) | 0.14553 (0.10127, 0.19241) |  |
| Sulawesi Tenggara | Chronic kidney disease                        | 60  | 13.6 (8.7, 19.2)     | 0.0005916 (0.0003807, 0.0008384) | 0.02414 (0.01648, 0.03350) |  | 12.8 (8.4, 18.7)     | 0.0005107 (0.0003363, 0.0007455) | 0.02263 (0.01531, 0.03189) |  |
| Sulawesi Tenggara | Cirrhosis                                     | 60  | 28.0 (14.7, 50.7)    | 0.0012228 (0.0006416, 0.0022100) | 0.0499 (0.02619, 0.08585)  |  | 20.8 (11.7, 34.5)    | 0.0008297 (0.0004673, 0.0013778) | 0.03681 (0.02076, 0.06053) |  |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 60  | 45.4 (25.7, 69.0)    | 0.0019793 (0.0011216, 0.0030087) | 0.08083 (0.04868, 0.12047) |  | 34.7 (19.8, 52.8)    | 0.0013846 (0.0007918, 0.0021101) | 0.06141 (0.03615, 0.09012) |  |
| Sulawesi Tenggara | Other non-communicable diseases               | 60  | 42.0 (26.1, 62.8)    | 0.0018305 (0.0011387, 0.0027397) | 0.0747 (0.04960, 0.10597)  |  | 47.5 (31.2, 69.7)    | 0.0018966 (0.0012474, 0.0027861) | 0.0841 (0.05670, 0.11900)  |  |
| Sulawesi Tenggara | Drowning                                      | 60  | 0.9 (0.2, 2.6)       | 0.0000406 (0.0000083, 0.0001120) | 0.00166 (0.00036, 0.00458) |  | 0.9 (0.2, 2.6)       | 0.0000353 (0.0000063, 0.0001039) | 0.00156 (0.00026, 0.00464) |  |
| Sulawesi Tenggara | Falls                                         | 60  | 5.2 (1.9, 10.3)      | 0.0002248 (0.0000829, 0.0004492) | 0.00917 (0.00349, 0.01823) |  | 4.6 (1.9, 8.8)       | 0.0001853 (0.0000769, 0.0003529) | 0.00822 (0.00336, 0.01560) |  |
| Sulawesi Tenggara | Interpersonal violence                        | 60  | 0.7 (0.3, 1.4)       | 0.0000305 (0.0000120, 0.0000623) | 0.00125 (0.00049, 0.00246) |  | 0.4 (0.1, 0.9)       | 0.0000162 (0.0000059, 0.0000350) | 0.00072 (0.00027, 0.00149) |  |
| Sulawesi Tenggara | Self-harm                                     | 60  | 1.4 (0.6, 3.1)       | 0.0000632 (0.0000241, 0.0001344) | 0.00258 (0.00098, 0.00533) |  | 0.6 (0.2, 1.3)       | 0.0000238 (0.0000087, 0.0000507) | 0.00106 (0.00042, 0.00225) |  |
| Sulawesi Tenggara | Transport injuries                            | 60  | 10.4 (4.9, 19.5)     | 0.000454 (0.0002138, 0.0008491)  | 0.01854 (0.00880, 0.03405) |  | 5.4 (2.3, 10.5)      | 0.0002155 (0.0000938, 0.0004192) | 0.00955 (0.00421, 0.01851) |  |
| Sulawesi Tenggara | Other unintentional injuries                  | 60  | 5.1 (2.4, 9.4)       | 0.0002241 (0.0001039, 0.0004088) | 0.00915 (0.00431, 0.01629) |  | 2.6 (1.2, 5.0)       | 0.0001032 (0.0000472, 0.0002003) | 0.00457 (0.00208, 0.00860) |  |
| Sulawesi Tenggara | Diarrheal diseases                            | 65  | 15.9 (7.2, 29.0)     | 0.0009333 (0.0004234, 0.0016958) | 0.02705 (0.01211, 0.04731) |  | 26.1 (12.7, 43.1)    | 0.0014741 (0.0007186, 0.0024377) | 0.0433 (0.02189, 0.07096)  |  |
| Sulawesi Tenggara | HIV/AIDS                                      | 65  | 0.3 (0.0, 0.8)       | 0.0000154 (0.0000027, 0.0000466) | 0.00045 (0.00008, 0.00135) |  | 0.3 (0.1, 0.9)       | 0.000017 (0.0000032, 0.0000512)  | 0.0005 (0.00009, 0.00150)  |  |
| Sulawesi Tenggara | Lower respiratory infections                  | 65  | 12.5 (4.5, 25.0)     | 0.0007322 (0.0002635, 0.0014624) | 0.02116 (0.00819, 0.04138) |  | 15.3 (6.1, 29.6)     | 0.0008669 (0.0003464, 0.0016724) | 0.02549 (0.01028, 0.04860) |  |
| Sulawesi Tenggara | Malaria                                       | 65  | 2.0 (0.1, 8.5)       | 0.0001196 (0.0000077, 0.0005007) | 0.00345 (0.00024, 0.01524) |  | 1.5 (0.1, 6.5)       | 0.0000848 (0.0000055, 0.0003662) | 0.00249 (0.00016, 0.01075) |  |
| Sulawesi Tenggara | Tuberculosis                                  | 65  | 58.2 (34.2, 90.0)    | 0.0034085 (0.0020037, 0.0052723) | 0.09857 (0.05726, 0.14280) |  | 40.3 (20.9, 64.9)    | 0.0022764 (0.0011821, 0.0036662) | 0.06693 (0.03614, 0.10416) |  |
| Sulawesi Tenggara | Other communicable diseases                   | 65  | 8.3 (3.3, 16.6)      | 0.0004874 (0.0001931, 0.0009720) | 0.01411 (0.00562, 0.02794) |  | 11.0 (4.6, 21.1)     | 0.0006245 (0.0002628, 0.0011954) | 0.01834 (0.00795, 0.03540) |  |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 65  | 5.1 (1.5, 11.7)      | 0.0002973 (0.0000856, 0.0006848) | 0.00859 (0.00246, 0.01903) |  | 1.4 (0.4, 3.4)       | 0.0000778 (0.0000229, 0.0001904) | 0.0023 (0.00067, 0.00561)  |  |
| Sulawesi Tenggara | Breast cancer                                 | 65  | 0.3 (0.0, 0.8)       | 0.000015 (0.0000025, 0.0000454)  | 0.00044 (0.00008, 0.00129) |  | 8.2 (2.8, 17.9)      | 0.0004657 (0.0001605, 0.0010100) | 0.01369 (0.00473, 0.02892) |  |
| Sulawesi Tenggara | Cervical cancer                               | 65  |                      |                                  |                            |  | 7.2 (1.8, 18.5)      | 0.000409 (0.0001024, 0.0010449)  | 0.01199 (0.00294, 0.03022) |  |
| Sulawesi Tenggara | Other malignant neoplasms                     | 65  | 12.0 (5.5, 22.0)     | 0.0007055 (0.0003211, 0.0012871) | 0.02041 (0.00962, 0.03764) |  | 12.9 (5.1, 26.3)     | 0.0007275 (0.0002891, 0.0014885) | 0.02137 (0.00852, 0.04212) |  |
| Sulawesi Tenggara | Cerebrovascular disease                       | 65  | 138.1 (97.9, 184.8)  | 0.0080911 (0.0057330, 0.0108257) | 0.2342 (0.17753, 0.29573)  |  | 165.4 (126.6, 209.7) | 0.0093493 (0.0071569, 0.0118507) | 0.27502 (0.21872, 0.33622) |  |
| Sulawesi Tenggara | Ischemic heart disease                        | 65  | 91.7 (59.2, 133.9)   | 0.0053713 (0.0034665, 0.0078416) | 0.15548 (0.10643, 0.21510) |  | 64.4 (39.2, 96.6)    | 0.0036418 (0.0022172, 0.0054629) | 0.107 (0.06905, 0.15576)   |  |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 65  | 26.2 (12.4, 47.4)    | 0.001534 (0.0007270, 0.0027770)  | 0.0443 (0.02151, 0.07887)  |  | 32.9 (16.1, 57.8)    | 0.0018601 (0.0009105, 0.0032663) | 0.05472 (0.02723, 0.09422) |  |
| Sulawesi Tenggara | Diabetes mellitus                             | 65  | 57.3 (34.1, 84.7)    | 0.0033552 (0.0019979, 0.0049625) | 0.09712 (0.06104, 0.14073) |  | 71.9 (47.8, 100.9)   | 0.004063 (0.0027020, 0.0057006)  | 0.11942 (0.08110, 0.16238) |  |
| Sulawesi Tenggara | Chronic kidney disease                        | 65  | 12.7 (8.2, 18.2)     | 0.000745 (0.0004812, 0.0010689)  | 0.02155 (0.01485, 0.02985) |  | 12.6 (8.3, 18.4)     | 0.000711 (0.0004706, 0.0010414)  | 0.0209 (0.01445, 0.02954)  |  |
| Sulawesi Tenggara | Cirrhosis                                     | 65  | 24.1 (12.4, 43.7)    | 0.0014145 (0.0007243, 0.0025607) | 0.04093 (0.02120, 0.07131) |  | 18.1 (10.1, 29.7)    | 0.0010217 (0.0005695, 0.0016795) | 0.03005 (0.01685, 0.04922) |  |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 65  | 51.8 (29.8, 78.5)    | 0.0030334 (0.0017451, 0.0045960) | 0.08785 (0.05491, 0.12752) |  | 40.8 (24.4, 61.4)    | 0.0023046 (0.0013799, 0.0034690) | 0.0678 (0.04203, 0.09889)  |  |
| Sulawesi Tenggara | Other non-communicable diseases               | 65  | 49.8 (30.8, 73.1)    | 0.0029152 (0.0018019, 0.0042824) | 0.08435 (0.05584, 0.11765) |  | 57.4 (37.8, 82.1)    | 0.0032428 (0.0021364, 0.0046386) | 0.09536 (0.06451, 0.13158) |  |
| Sulawesi Tenggara | Drowning                                      | 65  | 1.0 (0.2, 2.7)       | 0.0000559 (0.0000110, 0.0001582) | 0.00162 (0.00034, 0.00478) |  | 0.8 (0.2, 2.4)       | 0.0000464 (0.0000091, 0.0001338) | 0.00136 (0.00026, 0.00393) |  |
| Sulawesi Tenggara | Falls                                         | 65  | 6.3 (2.4, 12.3)      | 0.0003704 (0.0001430, 0.0007207) | 0.01072 (0.00430, 0.02047) |  | 5.3 (2.2, 10.0)      | 0.0002983 (0.0001259, 0.0005639) | 0.00878 (0.00367, 0.01608) |  |
| Sulawesi Tenggara | Interpersonal violence                        | 65  | 0.5 (0.2, 1.1)       | 0.0000307 (0.0000111, 0.0000646) | 0.00089 (0.00032, 0.00183) |  | 0.3 (0.1, 0.7)       | 0.0000173 (0.0000059, 0.0000396) | 0.00051 (0.00017, 0.00118) |  |
| Sulawesi Tenggara | Self-harm                                     | 65  | 1.2 (0.5, 2.6)       | 0.0000703 (0.0000271, 0.0001520) | 0.00203 (0.00080, 0.00429) |  | 0.5 (0.2, 1.1)       | 0.0000283 (0.0000102, 0.0000634) | 0.00083 (0.00031, 0.00182) |  |
| Sulawesi Tenggara | Transport injuries                            | 65  | 9.6 (4.3, 18.0)      | 0.0005652 (0.0002518, 0.0010570) | 0.01638 (0.00750, 0.03083) |  | 4.7 (2.0, 9.5)       | 0.0002675 (0.0001108, 0.0005384) | 0.00786 (0.00327, 0.01519) |  |
| Sulawesi Tenggara | Other unintentional injuries                  | 65  | 4.9 (2.1, 9.3)       | 0.0002891 (0.0001252, 0.0005421) | 0.00837 (0.00387, 0.01532) |  | 2.4 (1.1, 4.9)       | 0.000136 (0.0000599, 0.0002792)  | 0.004 (0.00178, 0.00812)   |  |
| Sulawesi Tenggara | Diarrheal diseases                            | 70  | 22.9 (11.5, 39.4)    | 0.0020553 (0.0010339, 0.0035379) | 0.03786 (0.01878, 0.06205) |  | 41.2 (21.5, 65.4)    | 0.0030038 (0.0015702, 0.0047723) | 0.0563 (0.02992, 0.08838)  |  |
| Sulawesi Tenggara | HIV/AIDS                                      | 70  | 0.4 (0.1, 1.1)       | 0.0000325 (0.0000060, 0.0001015) | 0.0006 (0.00011, 0.00193)  |  | 0.5 (0.1, 1.5)       | 0.0000342 (0.0000064, 0.0001061) | 0.00064 (0.00012, 0.00200) |  |
| Sulawesi Tenggara | Lower respiratory infections                  | 70  | 16.7 (6.0, 33.1)     | 0.0014985 (0.0005372, 0.0029762) | 0.02752 (0.01087, 0.05192) |  | 23.5 (9.5, 43.1)     | 0.0017156 (0.0006940, 0.0031418) | 0.03219 (0.01320, 0.05821) |  |
| Sulawesi Tenggara | Malaria                                       | 70  | 1.9 (0.1, 8.2)       | 0.0001719 (0.0000105, 0.0007328) | 0.00315 (0.00022, 0.01473) |  | 1.5 (0.1, 7.7)       | 0.0001123 (0.0000074, 0.0005588) | 0.00211 (0.00013, 0.01018) |  |
| Sulawesi Tenggara | Tuberculosis                                  | 70  | 60.7 (34.3, 94.4)    | 0.005453 (0.0030796, 0.0084803)  | 0.10021 (0.05707, 0.14433) |  | 48.8 (25.5, 77.7)    | 0.0035619 (0.0018618, 0.0056668) | 0.06682 (0.03471, 0.10533) |  |
| Sulawesi Tenggara | Other communicable diseases                   | 70  | 9.0 (3.7, 17.9)      | 0.0008107 (0.0003333, 0.0016070) | 0.01492 (0.00606, 0.02894) |  | 13.2 (5.6, 25.7)     | 0.0009636 (0.0004078, 0.0018775) | 0.01805 (0.00797, 0.03446) |  |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 70  | 4.5 (1.3, 10.1)      | 0.0004 (0.0001134, 0.0009056)    | 0.00735 (0.00219, 0.01683) |  | 1.4 (0.4, 3.4)       | 0.0001 (0.0000284, 0.0002445)    | 0.00188 (0.00054, 0.00454) |  |
| Sulawesi Tenggara | Breast cancer                                 | 70  | 0.2 (0.0, 0.6)       | 0.0000162 (0.0000024, 0.0000536) | 0.0003 (0.00005, 0.00098)  |  | 6.0 (1.9, 13.6)      | 0.0004405 (0.0001361, 0.0009935) | 0.00826 (0.00258, 0.01807) |  |
| Sulawesi Tenggara | Cervical cancer                               | 70  |                      |                                  |                            |  | 5.4 (1.3, 14.8)      | 0.0003932 (0.0000915, 0.0010770) | 0.00735 (0.00171, 0.01912) |  |
| Sulawesi Tenggara | Other malignant neoplasms                     | 70  | 9.1 (4.0, 17.0)      | 0.0008161 (0.0003635, 0.0015303) | 0.01501 (0.00705, 0.02739) |  | 12.4 (4.9, 24.2)     | 0.0009043 (0.0003607, 0.0017679) | 0.01694 (0.00681, 0.03242) |  |
| Sulawesi Tenggara | Cerebrovascular disease                       | 70  | 143.7 (103.1, 194.2) | 0.0129038 (0.0092626, 0.0174415) | 0.23741 (0.18173, 0.30033) |  | 206.9 (159.8, 260.5) | 0.0150886 (0.0116588, 0.0190025) | 0.28311 (0.22503, 0.34583) |  |
| Sulawesi Tenggara | Ischemic heart disease                        | 70  | 89.3 (56.5, 130.9)   | 0.0080206 (0.0050720, 0.0117531) | 0.14756 (0.10056, 0.20789) |  | 78.7 (49.0, 119.2)   | 0.0057424 (0.0035750, 0.0086914) | 0.10762 (0.06941, 0.15757) |  |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 70  | 28.9 (13.8, 53.4)    | 0.002593 (0.0012400, 0.0047928)  | 0.04758 (0.02320, 0.08379) |  | 42.7 (20.8, 74.3)    | 0.0031133 (0.0015181, 0.0054166) | 0.05843 (0.02953, 0.09938) |  |
| Sulawesi Tenggara | Diabetes mellitus                             | 70  | 43.5 (25.3, 65.9)    | 0.0039026 (0.0022721, 0.0059152) | 0.07179 (0.04419, 0.10676) |  | 65.9 (42.9, 93.3)    | 0.0048043 (0.0031315, 0.0068049) | 0.09009 (0.06017, 0.12507) |  |
| Sulawesi Tenggara | Chronic kidney disease                        | 70  | 11.1 (7.1, 15.9)     | 0.0009926 (0.0006405, 0.0014291) | 0.01826 (0.01276, 0.02551) |  | 13.1 (8.6, 19.3)     | 0.000959 (0.0006253, 0.0014060)  | 0.01798 (0.01028, 0.02506) |  |
| Sulawesi Tenggara | Cirrhosis                                     | 70  | 20.7 (10.1, 38.0)    | 0.0018627 (0.0009076, 0.0034096) | 0.03425 (0.01740, 0.06080) |  | 18.6 (10.3, 30.3)    | 0.0013559 (0.0007498, 0.0022133) | 0.02545 (0.01429, 0.04218) |  |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 70  | 64.0 (38.8, 94.0)    | 0.0057464 (0.0034859, 0.0084464) | 0.10573 (0.06868, 0.14741) |  | 58.3 (36.1, 85.2)    | 0.0042539 (0.0026301, 0.0062120) | 0.07982 (0.05106, 0.11338) |  |
| Sulawesi Tenggara | Other non-communicable diseases               | 70  | 55.6 (36.1, 81.7)    | 0.0049897 (0.0032435, 0.0073333) | 0.09176 (0.06241, 0.12724) |  | 76.3 (51.5, 107.6)   | 0.0055622 (0.0037598, 0.0078488) | 0.10435 (0.07216, 0.14247) |  |
| Sulawesi Tenggara | Drowning                                      | 70  | 1.6 (0.4, 4.3)       | 0.0001424 (0.0000342, 0.0003856) | 0.00262 (0.00063, 0.00702) |  | 1.5 (0.3, 4.3)       | 0.0001125 (0.0000232, 0.0003126) | 0.00211 (0.00045, 0.00576) |  |
| Sulawesi Tenggara | Falls                                         | 70  | 6.9 (2.5, 13.3)      | 0.0006218 (0.0002282, 0.0011906) | 0.01144 (0.00456, 0.02256) |  | 6.6 (2.7, 12.4)      | 0.0004829 (0.0001988, 0.0009050) | 0.00906 (0.00373, 0.01718) |  |
| Sulawesi Tenggara | Interpersonal violence                        | 70  | 0.4 (0.1, 0.8)       | 0.000032 (0.0000103, 0.0000711)  | 0.00059 (0.00019, 0.00131) |  | 0.2 (0.1, 0.6)       | 0.0000175 (0.0000054, 0.0000443) | 0.00033 (0.00010, 0.00081) |  |
| Sulawesi Tenggara | Self-harm                                     | 70  | 1.0 (0.4, 2.2)       | 0.000086 (0.0000324, 0.0001949)  | 0.00158 (0.00058, 0.00338) |  | 0.5 (0.2, 1.0)       | 0.0000337 (0.0000121, 0.0000757) | 0.00063 (0.00024, 0.00144) |  |
| Sulawesi Tenggara | Transport injuries                            | 70  | 9.0 (3               |                                  |                            |  |                      |                                  |                            |  |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                  |                                  |                            | Females              |                                  |                            |
|-------------------|----------------------------------------------------------|-----|------------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                   |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Other unintentional injuries                             | 70  | 4.6 (2.1, 8.9)         | 0.000417 (0.0001844, 0.0007953)  | 0.00768 (0.00350, 0.01460) | 2.6 (1.1, 5.3)       | 0.0001901 (0.0000782, 0.0003889) | 0.00356 (0.00146, 0.00719) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 75  | 19.0 (9.7, 31.5)       | 0.003413 (0.0017366, 0.0056627)  | 0.04564 (0.02296, 0.07375) | 41.8 (22.7, 64.2)    | 0.0054873 (0.0029796, 0.0084328) | 0.06719 (0.03683, 0.10300) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 75  | 0.2 (0.0, 0.6)         | 0.0000357 (0.0000063, 0.0001105) | 0.00048 (0.00009, 0.00148) | 0.3 (0.1, 1.0)       | 0.0000399 (0.0000073, 0.0001325) | 0.00049 (0.00009, 0.00157) |
| Sulawesi Tenggara | Lower respiratory infections                             | 75  | 12.5 (4.7, 24.6)       | 0.0022538 (0.0008394, 0.0044274) | 0.03004 (0.01223, 0.05710) | 21.5 (9.2, 38.9)     | 0.0028206 (0.0012066, 0.0051137) | 0.03456 (0.01491, 0.06311) |
| Sulawesi Tenggara | Malaria                                                  | 75  | 1.4 (0.1, 5.7)         | 0.000243 (0.0000159, 0.0010316)  | 0.00323 (0.00022, 0.01406) | 1.3 (0.1, 5.9)       | 0.0001644 (0.0000110, 0.0007777) | 0.00202 (0.00013, 0.00976) |
| Sulawesi Tenggara | Tuberculosis                                             | 75  | 36.9 (20.0, 58.9)      | 0.0066215 (0.0035984, 0.0105733) | 0.08832 (0.04853, 0.13018) | 33.4 (16.8, 54.9)    | 0.0043909 (0.0022054, 0.0072146) | 0.05381 (0.02700, 0.09041) |
| Sulawesi Tenggara | Other communicable diseases                              | 75  | 6.1 (2.5, 12.2)        | 0.0010935 (0.0004431, 0.0021933) | 0.0146 (0.00605, 0.02877)  | 11.1 (4.7, 21.1)     | 0.0014621 (0.0006206, 0.0027747) | 0.0179 (0.00784, 0.03327)  |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer                      | 75  | 2.5 (0.7, 5.8)         | 0.0004438 (0.0001233, 0.0010371) | 0.00592 (0.00173, 0.01378) | 0.9 (0.2, 2.1)       | 0.0001135 (0.0000318, 0.0002731) | 0.00139 (0.00038, 0.00333) |
| Sulawesi Tenggara | Breast cancer                                            | 75  | 0.1 (0.0, 0.3)         | 0.0000144 (0.0000019, 0.0000474) | 0.00019 (0.00003, 0.00064) | 3.2 (0.9, 7.4)       | 0.0004137 (0.0001229, 0.0009752) | 0.00507 (0.00150, 0.01201) |
| Sulawesi Tenggara | Cervical cancer                                          | 75  |                        |                                  |                            | 3.1 (0.7, 8.6)       | 0.0004018 (0.0000933, 0.0011268) | 0.00491 (0.00111, 0.01361) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 75  | 4.7 (2.1, 8.8)         | 0.0008377 (0.0003703, 0.0015887) | 0.01119 (0.00523, 0.02063) | 8.7 (3.4, 17.0)      | 0.0011491 (0.0004529, 0.0022312) | 0.01406 (0.00561, 0.02720) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 75  | 99.2 (71.2, 136.1)     | 0.0178251 (0.0127903, 0.0244452) | 0.23809 (0.18324, 0.29975) | 179.7 (140.4, 222.1) | 0.0236003 (0.0184339, 0.0291693) | 0.28923 (0.23012, 0.35377) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 75  | 66.7 (42.4, 98.6)      | 0.0119861 (0.0076263, 0.0177049) | 0.16013 (0.10936, 0.22483) | 72.4 (45.0, 108.5)   | 0.0095044 (0.0059080, 0.0142564) | 0.11637 (0.07543, 0.16880) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | 75  | 20.3 (9.7, 38.8)       | 0.0036504 (0.0017470, 0.0069767) | 0.04861 (0.02391, 0.08679) | 37.0 (18.2, 62.8)    | 0.0048591 (0.0023870, 0.0082474) | 0.05955 (0.02972, 0.10143) |
| Sulawesi Tenggara | Diabetes mellitus                                        | 75  | 25.1 (14.5, 38.3)      | 0.0045181 (0.0026120, 0.0068863) | 0.06034 (0.03678, 0.09161) | 46.8 (30.1, 66.8)    | 0.0061525 (0.0039470, 0.0087682) | 0.07536 (0.04934, 0.10691) |
| Sulawesi Tenggara | Chronic kidney disease                                   | 75  | 6.8 (4.3, 9.9)         | 0.0012137 (0.0007809, 0.0017707) | 0.01621 (0.01098, 0.02279) | 9.7 (6.3, 14.3)      | 0.0012725 (0.0008289, 0.0018751) | 0.01559 (0.01037, 0.02201) |
| Sulawesi Tenggara | Cirrhosis                                                | 75  | 12.6 (6.0, 23.6)       | 0.0022666 (0.0010853, 0.0042472) | 0.03025 (0.01499, 0.05355) | 14.3 (8.0, 23.7)     | 0.0018822 (0.0010503, 0.0031143) | 0.02308 (0.01303, 0.03782) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 75  | 43.5 (26.4, 64.7)      | 0.0078145 (0.0047431, 0.0116161) | 0.10441 (0.06747, 0.14713) | 47.4 (29.0, 69.1)    | 0.0062226 (0.0038033, 0.0090770) | 0.07625 (0.04773, 0.10916) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 75  | 43.7 (28.5, 64.8)      | 0.0078584 (0.0051167, 0.0116464) | 0.10489 (0.07180, 0.14494) | 74.7 (51.7, 102.4)   | 0.0098043 (0.0067897, 0.0134548) | 0.12016 (0.08366, 0.16207) |
| Sulawesi Tenggara | Drowning                                                 | 75  | 1.5 (0.4, 4.0)         | 0.0002747 (0.0000668, 0.0007162) | 0.00368 (0.00090, 0.01008) | 1.9 (0.4, 5.1)       | 0.0002533 (0.0000582, 0.0006756) | 0.00311 (0.00073, 0.00846) |
| Sulawesi Tenggara | Falls                                                    | 75  | 5.7 (2.2, 11.0)        | 0.0010245 (0.0003950, 0.0019724) | 0.01368 (0.00563, 0.02593) | 6.8 (2.9, 12.6)      | 0.0008947 (0.0003829, 0.0016596) | 0.01097 (0.00470, 0.02024) |
| Sulawesi Tenggara | Interpersonal violence                                   | 75  | 0.2 (0.0, 0.5)         | 0.0000328 (0.0000087, 0.0000842) | 0.00044 (0.00012, 0.00110) | 0.1 (0.0, 0.4)       | 0.0000179 (0.0000043, 0.0000541) | 0.00022 (0.00006, 0.00064) |
| Sulawesi Tenggara | Self-harm                                                | 75  | 0.6 (0.2, 1.4)         | 0.0001062 (0.0000384, 0.0002514) | 0.00142 (0.00052, 0.00312) | 0.3 (0.1, 0.7)       | 0.0000408 (0.0000138, 0.0000948) | 0.0005 (0.00017, 0.00114)  |
| Sulawesi Tenggara | Transport injuries                                       | 75  | 4.6 (1.7, 9.4)         | 0.000825 (0.0003119, 0.0016864)  | 0.01102 (0.00448, 0.02204) | 3.1 (1.1, 6.5)       | 0.00041 (0.0001480, 0.0008521)   | 0.00502 (0.00179, 0.01046) |
| Sulawesi Tenggara | Other unintentional injuries                             | 75  | 3.0 (1.3, 5.8)         | 0.00054 (0.0002310, 0.0010362)   | 0.00722 (0.00327, 0.01340) | 2.0 (0.8, 4.1)       | 0.0002599 (0.0001051, 0.0005442) | 0.00318 (0.00130, 0.00659) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 80  | 71.5 (41.0, 109.3)     | 0.0116549 (0.0066941, 0.0178188) | 0.08086 (0.04632, 0.12122) | 149.7 (88.4, 220.8)  | 0.0166016 (0.0098001, 0.0244869) | 0.10098 (0.06073, 0.14716) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 80  | 0.5 (0.1, 1.6)         | 0.0000744 (0.0000117, 0.0002622) | 0.00052 (0.00008, 0.00185) | 0.7 (0.1, 2.5)       | 0.0000803 (0.0000127, 0.0002786) | 0.00049 (0.00008, 0.00167) |
| Sulawesi Tenggara | Lower respiratory infections                             | 80  | 34.2 (14.4, 63.2)      | 0.0055808 (0.0023550, 0.0103119) | 0.03865 (0.01682, 0.07072) | 58.9 (26.2, 105.2)   | 0.0065261 (0.0029043, 0.0116639) | 0.03972 (0.01776, 0.07133) |
| Sulawesi Tenggara | Malaria                                                  | 80  | 3.2 (0.2, 14.6)        | 0.000517 (0.0000327, 0.0023741)  | 0.00358 (0.00023, 0.01607) | 3.2 (0.2, 14.7)      | 0.0003503 (0.0000213, 0.0016313) | 0.00213 (0.00013, 0.00992) |
| Sulawesi Tenggara | Tuberculosis                                             | 80  | 73.8 (39.6, 115.6)     | 0.0120293 (0.0064658, 0.0188474) | 0.08335 (0.04468, 0.12976) | 78.1 (38.6, 134.1)   | 0.0086576 (0.0042806, 0.0148677) | 0.05268 (0.02555, 0.09078) |
| Sulawesi Tenggara | Other communicable diseases                              | 80  | 16.1 (6.9, 30.5)       | 0.0026226 (0.0011252, 0.0049662) | 0.01818 (0.00781, 0.03382) | 27.1 (12.2, 50.8)    | 0.0030071 (0.0013494, 0.0056294) | 0.01829 (0.00814, 0.03479) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer                      | 80  | 3.8 (1.1, 8.8)         | 0.00062 (0.0001718, 0.0014426)   | 0.00429 (0.00123, 0.00954) | 1.7 (0.5, 4.0)       | 0.0001841 (0.0000528, 0.0004399) | 0.00112 (0.00032, 0.00269) |
| Sulawesi Tenggara | Breast cancer                                            | 80  | 0.1 (0.0, 0.4)         | 0.0000192 (0.0000025, 0.0000687) | 0.00013 (0.00002, 0.00047) | 5.0 (1.4, 12.3)      | 0.0005522 (0.0001520, 0.0013633) | 0.00336 (0.00093, 0.00828) |
| Sulawesi Tenggara | Cervical cancer                                          | 80  |                        |                                  |                            | 4.1 (0.7, 11.8)      | 0.0004582 (0.0000786, 0.0013134) | 0.00279 (0.00048, 0.00790) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 80  | 7.8 (3.6, 14.4)        | 0.0012662 (0.0005867, 0.0023437) | 0.00878 (0.00410, 0.01606) | 16.4 (6.4, 31.4)     | 0.0018218 (0.0007116, 0.0034795) | 0.01108 (0.00441, 0.02080) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 80  | 208.7 (156.4, 269.8)   | 0.0340337 (0.0255059, 0.0440013) | 0.23601 (0.18379, 0.29712) | 421.2 (333.8, 522.5) | 0.0467054 (0.0370066, 0.0579371) | 0.28425 (0.22639, 0.34757) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 80  | 124.0 (80.7, 177.2)    | 0.0202183 (0.0131550, 0.0289031) | 0.14022 (0.09530, 0.19826) | 167.3 (107.1, 247.8) | 0.0185458 (0.0118705, 0.0274797) | 0.11279 (0.07198, 0.16369) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | 80  | 39.2 (18.4, 71.0)      | 0.0063987 (0.0030014, 0.0115790) | 0.04429 (0.02128, 0.07928) | 80.2 (38.8, 138.0)   | 0.0088884 (0.0043058, 0.0153005) | 0.0541 (0.02616, 0.09345)  |
| Sulawesi Tenggara | Diabetes mellitus                                        | 80  | 41.3 (23.3, 64.2)      | 0.0067273 (0.0037942, 0.0104755) | 0.04664 (0.02733, 0.07244) | 89.1 (56.4, 128.2)   | 0.0098845 (0.0062573, 0.0142191) | 0.06013 (0.03859, 0.08639) |
| Sulawesi Tenggara | Chronic kidney disease                                   | 80  | 11.2 (7.2, 16.2)       | 0.0018191 (0.0011763, 0.0026438) | 0.01261 (0.00831, 0.01793) | 19.1 (12.5, 28.1)    | 0.0021198 (0.0013853, 0.0031157) | 0.0129 (0.00848, 0.01841)  |
| Sulawesi Tenggara | Cirrhosis                                                | 80  | 22.8 (10.8, 41.2)      | 0.003714 (0.0017617, 0.0067210)  | 0.02574 (0.01262, 0.04550) | 27.9 (15.0, 45.8)    | 0.0030921 (0.0016623, 0.0050830) | 0.01882 (0.01031, 0.03087) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 80  | 91.1 (58.0, 130.7)     | 0.0148523 (0.0094591, 0.0213162) | 0.10301 (0.06750, 0.14436) | 108.4 (67.4, 156.4)  | 0.0120217 (0.0074692, 0.0173372) | 0.07318 (0.04603, 0.10643) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 80  | 100.5 (68.1, 142.9)    | 0.016386 (0.0110977, 0.0232991)  | 0.11357 (0.07931, 0.15547) | 191.3 (135.2, 259.1) | 0.0212155 (0.0149945, 0.0287302) | 0.12913 (0.09188, 0.17181) |
| Sulawesi Tenggara | Drowning                                                 | 80  | 3.5 (0.8, 9.7)         | 0.0005638 (0.0001237, 0.0015881) | 0.00391 (0.00089, 0.01096) | 3.8 (0.8, 10.6)      | 0.0004218 (0.0000877, 0.0011781) | 0.00257 (0.00054, 0.00738) |
| Sulawesi Tenggara | Falls                                                    | 80  | 16.2 (6.7, 29.5)       | 0.0026445 (0.0010859, 0.0048096) | 0.01834 (0.00776, 0.03343) | 18.3 (8.2, 32.6)     | 0.0020304 (0.0009120, 0.0036125) | 0.01236 (0.00544, 0.02195) |
| Sulawesi Tenggara | Interpersonal violence                                   | 80  | 0.3 (0.0, 0.8)         | 0.0000435 (0.0000074, 0.0001303) | 0.0003 (0.00005, 0.00089)  | 0.2 (0.0, 0.7)       | 0.0000261 (0.0000046, 0.0000831) | 0.00016 (0.00003, 0.00051) |
| Sulawesi Tenggara | Self-harm                                                | 80  | 1.0 (0.3, 2.4)         | 0.0001651 (0.0000551, 0.0003915) | 0.00114 (0.00038, 0.00265) | 0.7 (0.2, 1.6)       | 0.0000729 (0.0000229, 0.0001759) | 0.00044 (0.00014, 0.00107) |
| Sulawesi Tenggara | Transport injuries                                       | 80  | 8.3 (3.0, 17.1)        | 0.001361 (0.0004825, 0.0027922)  | 0.00945 (0.00339, 0.01907) | 5.7 (1.9, 12.3)      | 0.0006322 (0.0002066, 0.0013666) | 0.00384 (0.00123, 0.00812) |
| Sulawesi Tenggara | Other unintentional injuries                             | 80  | 5.7 (2.4, 11.3)        | 0.0009285 (0.0003864, 0.0018508) | 0.00645 (0.00260, 0.01271) | 4.0 (1.5, 8.7)       | 0.0004451 (0.0001662, 0.0009696) | 0.00271 (0.00101, 0.00584) |
| Sulawesi Tenggara | Diarrheal diseases                                       | All | 372.4 (198.1, 573.3)   | 0.000309 (0.0001643, 0.0004756)  | 0.04817 (0.02628, 0.07378) | 531.3 (302.8, 800.2) | 0.0004424 (0.0002521, 0.0006662) | 0.06867 (0.04001, 0.09833) |
| Sulawesi Tenggara | HIV/AIDS                                                 | All | 54.2 (14.6, 128.5)     | 0.000045 (0.00000121, 0.0001066) | 0.00701 (0.00186, 0.01669) | 41.6 (11.0, 100.8)   | 0.0000346 (0.0000091, 0.0000839) | 0.00536 (0.00147, 0.01278) |
| Sulawesi Tenggara | Lower respiratory infections                             | All | 360.7 (201.1, 556.9)   | 0.0002992 (0.0001668, 0.0004620) | 0.04653 (0.02672, 0.06974) | 331.5 (180.1, 530.6) | 0.000276 (0.0001499, 0.0004417)  | 0.04286 (0.02401, 0.06906) |
| Sulawesi Tenggara | Malaria                                                  | All | 42.8 (3.4, 170.6)      | 0.0000355 (0.0000028, 0.0001415) | 0.00553 (0.00042, 0.02244) | 32.2 (2.3, 129.6)    | 0.0000268 (0.0000019, 0.0001079) | 0.00417 (0.00030, 0.01670) |
| Sulawesi Tenggara | Tuberculosis                                             | All | 697.9 (411.3, 1,059.0) | 0.000579 (0.0003412, 0.0008785)  | 0.09015 (0.05375, 0.12801) | 492.4 (275.9, 769.3) | 0.0004099 (0.0002297, 0.0006405) | 0.06371 (0.03616, 0.09823) |
| Sulawesi Tenggara | Maternal disorders                                       | All |                        |                                  |                            | 35.8 (19.2, 62.3)    | 0.0000298 (0.0000160, 0.0000519) | 0.00463 (0.00253, 0.00777) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 228.2 (108.7, 384.9)   | 0.0001893 (0.0000902, 0.0003193) | 0.02929 (0.01477, 0.04785) | 152.6 (72.4, 267.1)  | 0.000127 (0.0000603, 0.0002223)  | 0.01959 (0.00978, 0.03353) |
| Sulawesi Tenggara | Preterm birth complications                              | All | 130.6 (51.3, 250.3)    | 0.0001084 (0.0000426, 0.0002076) | 0.01675 (0.00687, 0.03066) | 118.6 (47.4, 222.9)  | 0.0000987 (0.0000394, 0.0001856) | 0.01522 (0.00643, 0.02783) |
| Sulawesi Tenggara | Other neonatal disorders                                 | All | 195.0 (71.7, 382.1)    | 0.0001618 (0.0000595, 0.0003169) | 0.02502 (0.00984, 0.04696) | 130.5 (46.7, 260.3)  | 0.0001087 (0.0000389, 0.0002167) | 0.01678 (0.00618, 0.03318) |
| Sulawesi Tenggara | Other communicable diseases                              | All | 391.3 (222.6, 597.5)   | 0.0003246 (0.0001846, 0.0004957) | 0.05063 (0.03019, 0.07479) | 339.3 (185.9, 551.6) | 0.0002825 (0.0001547, 0.0004593) | 0.04383 (0.02464, 0.06808) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer                      | All | 44.0 (13.5, 100.7)     | 0.0000365 (0.0000012, 0.0000835) | 0.00567 (0.00171, 0.01272) | 16.8 (4.9, 40.7)     | 0.000014 (0.0000041, 0.0000339)  | 0.00217 (0.00064, 0.00528) |
| Sulawesi Tenggara | Breast cancer                                            | All | 3.4 (0.8, 9.6)         | 0.0000028 (0.0000006, 0.0000080) | 0.00044 (0.00009, 0.00124) | 159.9 (65.9, 305.8)  | 0.0001331 (0.0000549, 0.0002546) | 0.02065 (0.00864, 0.03829) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                    |                                   |                            | Females                    |                                  |                            |
|-------------------|----------------------------------------------------------|-----|--------------------------|-----------------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|
|                   |                                                          |     | Deaths (95% UI)          | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)            | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Tenggara | Cervical cancer                                          | All |                          |                                   |                            | 97.7 (26.0, 247.7)         | 0.0000813 (0.0000217, 0.0002062) | 0.0126 (0.00337, 0.02981)  |
| Sulawesi Tenggara | Other malignant neoplasms                                | All | 221.1 (107.9, 390.8)     | 0.0001834 (0.0000895, 0.0003242)  | 0.02854 (0.01426, 0.04925) | 194.8 (87.2, 358.4)        | 0.0001622 (0.0000726, 0.0002984) | 0.02518 (0.01152, 0.04687) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | All | 1,064.7 (764.6, 1,450.6) | 0.0008833 (0.0006343, 0.0012034)  | 0.13766 (0.10210, 0.18191) | 1,470.9 (1,120.6, 1,870.6) | 0.0012246 (0.0009330, 0.0015574) | 0.19057 (0.14714, 0.23746) |
| Sulawesi Tenggara | Ischemic heart disease                                   | All | 803.0 (519.6, 1,148.6)   | 0.0006662 (0.0004311, 0.0009529)  | 0.10382 (0.06982, 0.14690) | 642.0 (393.9, 960.5)       | 0.0005345 (0.0003279, 0.0007997) | 0.08307 (0.05364, 0.12045) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | All | 220.4 (104.9, 408.3)     | 0.0001829 (0.0000870, 0.0003387)  | 0.02844 (0.01424, 0.05096) | 312.2 (152.7, 541.2)       | 0.0002599 (0.0001272, 0.0004506) | 0.04044 (0.02023, 0.07016) |
| Sulawesi Tenggara | Diabetes mellitus                                        | All | 488.0 (295.1, 716.9)     | 0.0004048 (0.0002448, 0.0005947)  | 0.06307 (0.03996, 0.09201) | 624.4 (423.9, 883.1)       | 0.0005198 (0.0003529, 0.0007352) | 0.08079 (0.05543, 0.11005) |
| Sulawesi Tenggara | Chronic kidney disease                                   | All | 156.2 (101.9, 223.2)     | 0.0001296 (0.0000845, 0.0001852)  | 0.02019 (0.01377, 0.02746) | 160.6 (107.8, 232.3)       | 0.0001337 (0.0000898, 0.0001934) | 0.02078 (0.01438, 0.02905) |
| Sulawesi Tenggara | Cirrhosis                                                | All | 306.2 (160.4, 537.9)     | 0.000254 (0.0001331, 0.0004462)   | 0.03955 (0.02057, 0.06603) | 213.9 (119.7, 350.1)       | 0.0001781 (0.0000996, 0.0002914) | 0.02777 (0.01574, 0.04486) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | All | 445.2 (261.0, 670.0)     | 0.0003694 (0.0002165, 0.0005558)  | 0.05759 (0.03501, 0.08576) | 391.7 (233.8, 583.1)       | 0.0003261 (0.0001946, 0.0004855) | 0.05073 (0.03044, 0.07389) |
| Sulawesi Tenggara | Other non-communicable diseases                          | All | 729.0 (511.8, 1,011.8)   | 0.0006047 (0.0004246, 0.0008394)  | 0.09416 (0.07045, 0.12283) | 876.9 (633.2, 1,175.3)     | 0.0007301 (0.0005272, 0.0009785) | 0.11348 (0.08485, 0.14741) |
| Sulawesi Tenggara | Drowning                                                 | All | 107.7 (42.3, 215.9)      | 0.0000894 (0.0000351, 0.0001791)  | 0.01397 (0.00550, 0.02788) | 44.1 (14.6, 96.7)          | 0.0000367 (0.0000122, 0.0000805) | 0.00572 (0.00194, 0.01251) |
| Sulawesi Tenggara | Falls                                                    | All | 87.3 (35.0, 160.6)       | 0.0000724 (0.0000290, 0.0001332)  | 0.01129 (0.00473, 0.02065) | 66.3 (29.1, 121.2)         | 0.0000552 (0.0000242, 0.0001009) | 0.00858 (0.00370, 0.01551) |
| Sulawesi Tenggara | Interpersonal violence                                   | All | 30.3 (16.1, 52.9)        | 0.0000252 (0.0000133, 0.0000439)  | 0.00393 (0.00207, 0.00662) | 20.2 (9.9, 36.9)           | 0.0000168 (0.0000082, 0.0000307) | 0.00262 (0.00128, 0.00469) |
| Sulawesi Tenggara | Self-harm                                                | All | 34.4 (15.0, 66.5)        | 0.0000286 (0.0000124, 0.0000552)  | 0.00445 (0.00199, 0.00830) | 18.7 (7.6, 36.0)           | 0.0000156 (0.0000064, 0.0000300) | 0.00243 (0.00101, 0.00464) |
| Sulawesi Tenggara | Transport injuries                                       | All | 368.5 (219.3, 573.0)     | 0.0003057 (0.0001820, 0.0004753)  | 0.04771 (0.02931, 0.07310) | 145.7 (76.6, 249.6)        | 0.0001213 (0.0000638, 0.0002078) | 0.01884 (0.01008, 0.03182) |
| Sulawesi Tenggara | Other unintentional injuries                             | All | 158.0 (83.3, 261.5)      | 0.0001311 (0.0000691, 0.0002169)  | 0.02043 (0.01126, 0.03302) | 68.3 (34.0, 122.9)         | 0.0000568 (0.0000283, 0.0001023) | 0.00882 (0.00452, 0.01576) |
| Gorontalo         | Diarrheal diseases                                       | NN  | 4.6 (1.9, 9.0)           | 0.0047696 (0.0019279, 0.0093050)  | 0.02307 (0.01462, 0.03454) | 3.3 (1.4, 6.8)             | 0.0038446 (0.0015969, 0.0078594) | 0.02557 (0.01660, 0.03698) |
| Gorontalo         | Lower respiratory infections                             | NN  | 31.4 (15.0, 53.2)        | 0.0323848 (0.0154480, 0.0547803)  | 0.15697 (0.12225, 0.19411) | 17.5 (8.1, 31.6)           | 0.0202652 (0.0094105, 0.0365500) | 0.13494 (0.10344, 0.17002) |
| Gorontalo         | Malaria                                                  | NN  | 0.3 (0.1, 0.9)           | 0.0003378 (0.0000824, 0.0009007)  | 0.00164 (0.00050, 0.00405) | 0.2 (0.0, 0.4)             | 0.0001948 (0.0000454, 0.0005060) | 0.0013 (0.00040, 0.00319)  |
| Gorontalo         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 58.7 (27.5, 99.2)        | 0.0604688 (0.0282937, 0.1021518)  | 0.29307 (0.22867, 0.36146) | 36.0 (16.7, 64.7)          | 0.0416797 (0.0193934, 0.0749566) | 0.27786 (0.21373, 0.34366) |
| Gorontalo         | Preterm birth complications                              | NN  | 36.3 (15.4, 65.1)        | 0.0373902 (0.0158211, 0.0670982)  | 0.18137 (0.11038, 0.25978) | 29.6 (13.2, 54.7)          | 0.0343194 (0.0152351, 0.0633394) | 0.22911 (0.14808, 0.31091) |
| Gorontalo         | Other neonatal disorders                                 | NN  | 39.5 (14.8, 76.6)        | 0.0406836 (0.0152655, 0.0789552)  | 0.19693 (0.10055, 0.30770) | 23.3 (8.3, 47.8)           | 0.0269577 (0.0096178, 0.0553710) | 0.18036 (0.09173, 0.29002) |
| Gorontalo         | Other communicable diseases                              | NN  | 2.5 (1.0, 4.8)           | 0.0025421 (0.0009994, 0.0049944)  | 0.0123 (0.00738, 0.01897)  | 1.3 (0.5, 2.6)             | 0.0014582 (0.0005507, 0.0030013) | 0.00971 (0.00567, 0.01482) |
| Gorontalo         | Other malignant neoplasms                                | NN  | 0.9 (0.4, 1.8)           | 0.0009317 (0.0003696, 0.0018391)  | 0.00452 (0.00255, 0.00726) | 0.6 (0.2, 1.3)             | 0.0007216 (0.0002761, 0.0015504) | 0.00481 (0.00274, 0.00788) |
| Gorontalo         | Cerebrovascular disease                                  | NN  | 0.2 (0.1, 0.6)           | 0.0002335 (0.0000592, 0.0006034)  | 0.00113 (0.00038, 0.00249) | 0.2 (0.1, 0.6)             | 0.0002389 (0.0000606, 0.0006486) | 0.00159 (0.00052, 0.00351) |
| Gorontalo         | Other cardiovascular and circulatory diseases            | NN  | 0.1 (0.0, 0.3)           | 0.0000953 (0.0000214, 0.0002640)  | 0.00046 (0.00013, 0.00110) | 0.1 (0.0, 0.2)             | 0.0000938 (0.0000215, 0.0002475) | 0.00064 (0.00019, 0.00148) |
| Gorontalo         | Diabetes mellitus                                        | NN  | 0.1 (0.0, 0.4)           | 0.0000584 (0.0000002, 0.0004242)  | 0.00029 (0.00000, 0.00221) | 0.1 (0.0, 0.6)             | 0.0000843 (0.0000004, 0.0006968) | 0.00055 (0.00000, 0.00440) |
| Gorontalo         | Other non-communicable diseases                          | NN  | 19.9 (9.8, 32.1)         | 0.0204871 (0.0100568, 0.0331149)  | 0.09932 (0.08667, 0.11332) | 15.7 (8.0, 26.9)           | 0.0181958 (0.0092383, 0.0311643) | 0.1215 (0.10760, 0.13727)  |
| Gorontalo         | Drowning                                                 | NN  | 2.1 (0.7, 4.5)           | 0.0021154 (0.0007549, 0.0046518)  | 0.01021 (0.00540, 0.01711) | 0.5 (0.2, 1.0)             | 0.0005316 (0.0001766, 0.0012121) | 0.00354 (0.00168, 0.00632) |
| Gorontalo         | Falls                                                    | NN  | 0.6 (0.2, 1.4)           | 0.0006241 (0.0001780, 0.0014611)  | 0.00301 (0.00127, 0.00576) | 0.2 (0.0, 0.4)             | 0.0002106 (0.0000568, 0.0005076) | 0.00141 (0.00056, 0.00288) |
| Gorontalo         | Interpersonal violence                                   | NN  | 0.3 (0.1, 0.7)           | 0.0002825 (0.0000794, 0.0007073)  | 0.00137 (0.00052, 0.00289) | 0.1 (0.0, 0.3)             | 0.0001588 (0.0000434, 0.0003894) | 0.00106 (0.00038, 0.00219) |
| Gorontalo         | Transport injuries                                       | NN  | 0.7 (0.2, 1.4)           | 0.0006872 (0.0002332, 0.0014609)  | 0.00335 (0.00163, 0.00603) | 0.1 (0.0, 0.3)             | 0.0001717 (0.0000576, 0.0003907) | 0.00114 (0.00053, 0.00218) |
| Gorontalo         | Other unintentional injuries                             | NN  | 2.2 (0.8, 4.5)           | 0.002255 (0.0008603, 0.0046335)   | 0.01099 (0.00609, 0.01813) | 0.6 (0.2, 1.3)             | 0.0007335 (0.0002796, 0.0015378) | 0.0049 (0.00267, 0.00822)  |
| Gorontalo         | Diarrheal diseases                                       | PNN | 81.4 (39.9, 143.3)       | 0.00672 (0.0032951, 0.0118241)    | 0.33024 (0.27358, 0.38395) | 86.9 (43.1, 150.2)         | 0.0080861 (0.0040029, 0.0139436) | 0.38866 (0.33232, 0.44451) |
| Gorontalo         | HIV/AIDS                                                 | PNN | 1.6 (0.3, 4.3)           | 0.0001294 (0.0000288, 0.0003522)  | 0.00637 (0.00162, 0.01559) | 1.2 (0.3, 3.6)             | 0.0001157 (0.0000235, 0.0003376) | 0.00557 (0.00135, 0.01427) |
| Gorontalo         | Lower respiratory infections                             | PNN | 42.5 (20.9, 72.5)        | 0.0035092 (0.00017281, 0.0059857) | 0.17254 (0.13826, 0.20671) | 33.5 (15.9, 58.9)          | 0.0031083 (0.0014729, 0.0054669) | 0.14988 (0.11814, 0.18239) |
| Gorontalo         | Malaria                                                  | PNN | 5.6 (1.6, 14.5)          | 0.0004634 (0.0001335, 0.0011941)  | 0.02276 (0.00789, 0.05096) | 4.3 (1.1, 11.4)            | 0.0003999 (0.0001059, 0.0010539) | 0.01925 (0.00671, 0.04187) |
| Gorontalo         | Tuberculosis                                             | PNN | 16.7 (7.6, 29.8)         | 0.0013794 (0.0006277, 0.0024601)  | 0.06813 (0.04609, 0.09596) | 13.7 (6.1, 24.8)           | 0.0012693 (0.0005619, 0.0023029) | 0.06162 (0.04073, 0.08778) |
| Gorontalo         | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 3.2 (0.9, 8.2)           | 0.000263 (0.0000738, 0.0006728)   | 0.01284 (0.00474, 0.02840) | 2.6 (0.7, 6.6)             | 0.0002418 (0.0000690, 0.0006087) | 0.01161 (0.00412, 0.02548) |
| Gorontalo         | Preterm birth complications                              | PNN | 4.4 (1.5, 9.9)           | 0.0003596 (0.0001216, 0.0008137)  | 0.01768 (0.00750, 0.03569) | 5.4 (1.6, 12.5)            | 0.0004993 (0.0001519, 0.0011568) | 0.02414 (0.01042, 0.04770) |
| Gorontalo         | Other neonatal disorders                                 | PNN | 8.6 (2.0, 22.2)          | 0.0007113 (0.0001616, 0.0018337)  | 0.03473 (0.01028, 0.07901) | 6.9 (1.6, 18.6)            | 0.0006427 (0.0001486, 0.0017301) | 0.03095 (0.00909, 0.07449) |
| Gorontalo         | Other communicable diseases                              | PNN | 48.2 (23.7, 83.2)        | 0.0039781 (0.0019587, 0.0068653)  | 0.19602 (0.14904, 0.24452) | 36.7 (17.6, 63.4)          | 0.0034074 (0.0016297, 0.0058816) | 0.16473 (0.12227, 0.20757) |
| Gorontalo         | Other malignant neoplasms                                | PNN | 1.0 (0.4, 2.1)           | 0.0000867 (0.0000365, 0.0001722)  | 0.00427 (0.00243, 0.00693) | 1.0 (0.4, 2.1)             | 0.0000953 (0.0000380, 0.0001925) | 0.0046 (0.00263, 0.00747)  |
| Gorontalo         | Cerebrovascular disease                                  | PNN | 0.3 (0.1, 0.7)           | 0.0000218 (0.0000059, 0.0000540)  | 0.00108 (0.00037, 0.00238) | 0.3 (0.1, 0.8)             | 0.0000318 (0.0000077, 0.0000810) | 0.00153 (0.00050, 0.00341) |
| Gorontalo         | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.4)           | 0.0000074 (0.0000005, 0.0000359)  | 0.00037 (0.00003, 0.00168) | 0.1 (0.0, 0.5)             | 0.0000106 (0.0000007, 0.0000501) | 0.00052 (0.00004, 0.00238) |
| Gorontalo         | Other cardiovascular and circulatory diseases            | PNN | 0.1 (0.0, 0.3)           | 0.0000089 (0.0000021, 0.0000239)  | 0.00043 (0.00013, 0.00103) | 0.1 (0.0, 0.4)             | 0.0000125 (0.0000031, 0.0000338) | 0.00061 (0.00018, 0.00141) |
| Gorontalo         | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.5)           | 0.0000055 (0.0000000, 0.0000445)  | 0.00027 (0.00000, 0.00213) | 0.1 (0.0, 1.1)             | 0.0000112 (0.0000001, 0.0001000) | 0.00053 (0.00000, 0.00427) |
| Gorontalo         | Chronic kidney disease                                   | PNN | 1.6 (0.6, 3.5)           | 0.0001308 (0.0000473, 0.0002878)  | 0.00642 (0.00328, 0.01123) | 1.5 (0.5, 3.1)             | 0.0001357 (0.0000468, 0.0002835) | 0.00652 (0.00319, 0.01170) |
| Gorontalo         | Other non-communicable diseases                          | PNN | 23.0 (11.1, 37.8)        | 0.001898 (0.0009201, 0.0031167)   | 0.09341 (0.00879, 0.10729) | 25.8 (12.8, 43.6)          | 0.0023964 (0.0011833, 0.0040466) | 0.11571 (0.10168, 0.13127) |
| Gorontalo         | Drowning                                                 | PNN | 2.9 (1.1, 5.9)           | 0.0002402 (0.0000923, 0.0004876)  | 0.01179 (0.00658, 0.01944) | 0.9 (0.3, 1.9)             | 0.0000853 (0.0000301, 0.0001803) | 0.00412 (0.00205, 0.00700) |
| Gorontalo         | Falls                                                    | PNN | 0.8 (0.3, 1.8)           | 0.0000678 (0.0000221, 0.0001489)  | 0.00334 (0.00145, 0.00627) | 0.3 (0.1, 0.8)             | 0.0000325 (0.0000105, 0.0000745) | 0.00158 (0.00065, 0.00308) |
| Gorontalo         | Interpersonal violence                                   | PNN | 0.4 (0.1, 0.9)           | 0.0000302 (0.0000089, 0.0000742)  | 0.00148 (0.00059, 0.00309) | 0.3 (0.1, 0.6)             | 0.000024 (0.0000071, 0.0000588)  | 0.00116 (0.00044, 0.00232) |
| Gorontalo         | Transport injuries                                       | PNN | 0.9 (0.4, 1.9)           | 0.0000773 (0.0000292, 0.0001565)  | 0.00383 (0.00193, 0.00665) | 0.3 (0.1, 0.6)             | 0.0000272 (0.0000099, 0.0000583) | 0.00132 (0.00064, 0.00242) |
| Gorontalo         | Other unintentional injuries                             | PNN | 2.9 (1.2, 5.6)           | 0.0002422 (0.0000995, 0.0004618)  | 0.01199 (0.00688, 0.01924) | 1.2 (0.5, 2.3)             | 0.0001111 (0.0000462, 0.0002135) | 0.00539 (0.00308, 0.00886) |
| Gorontalo         | Diarrheal diseases                                       | 1   | 24.4 (9.9, 50.7)         | 0.000506 (0.0002055, 0.0010522)   | 0.20792 (0.16098, 0.26175) | 23.7 (10.4, 46.0)          | 0.0005289 (0.0002314, 0.0010257) | 0.26041 (0.21175, 0.31945) |
| Gorontalo         | HIV/AIDS                                                 | 1   | 0.9 (0.2, 2.6)           | 0.0000187 (0.0000036, 0.0000541)  | 0.00759 (0.00196, 0.01896) | 0.7 (0.1, 2.0)             | 0.000015 (0.0000028, 0.0000454)  | 0.00728 (0.00187, 0.01764) |
| Gorontalo         | Lower respiratory infections                             | 1   | 23.6 (9.5, 48.0)         | 0.0004901 (0.0001963, 0.0009955)  | 0.20063 (0.16187, 0.24377) | 17.5 (7.2, 35.3)           | 0.0003911 (0.0001603, 0.0007879) | 0.19203 (0.15583, 0.23600) |
| Gorontalo         | Malaria                                                  | 1   | 1.4 (0.3, 3.8)           | 0.0000286 (0.0000068, 0.0000779)  | 0.01174 (0.00422, 0.02560) | 1.0 (0.2, 2.5)             | 0.0000215 (0.0000054, 0.0000560) | 0.01064 (0.00388, 0.02301) |
| Gorontalo         | Tuberculosis                                             | 1   | 10.1 (3.6, 22.4)         | 0.0002101 (0.0000757, 0.0004653)  | 0.0854 (0.05924, 0.11636)  | 7.8 (2.9, 16.6)            | 0.000174 (0.0000657, 0.0003701)  | 0.08512 (0.05671, 0.11731) |

Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males             |                                  |                            | Females          |                                  |                            |
|-----------|----------------------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|           |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.0 (0.2, 3.0)    | 0.000021 (0.0000046, 0.0000621)  | 0.00854 (0.00276, 0.02033) | 0.7 (0.2, 2.0)   | 0.0000159 (0.0000036, 0.0000442) | 0.00783 (0.00260, 0.01877) |
| Gorontalo | Preterm birth complications                              | 1   | 0.3 (0.0, 1.0)    | 0.0000056 (0.0000008, 0.0000207) | 0.00225 (0.00044, 0.00701) | 0.3 (0.0, 1.0)   | 0.0000065 (0.0000009, 0.0000221) | 0.00312 (0.00059, 0.00947) |
| Gorontalo | Other neonatal disorders                                 | 1   | 0.4 (0.0, 2.7)    | 0.0000084 (0.0000001, 0.0000566) | 0.0035 (0.00003, 0.02364)  | 0.3 (0.0, 2.1)   | 0.0000063 (0.0000008, 0.0000478) | 0.00308 (0.00003, 0.02097) |
| Gorontalo | Other communicable diseases                              | 1   | 32.4 (12.9, 65.8) | 0.000672 (0.0002680, 0.0013644)  | 0.2747 (0.22263, 0.32535)  | 23.0 (9.5, 45.4) | 0.0005137 (0.0002127, 0.0010126) | 0.25186 (0.19921, 0.30203) |
| Gorontalo | Other malignant neoplasms                                | 1   | 0.4 (0.1, 0.8)    | 0.0000077 (0.0000025, 0.0000173) | 0.00314 (0.00174, 0.00524) | 0.4 (0.1, 0.9)   | 0.0000086 (0.0000029, 0.0000195) | 0.0042 (0.00237, 0.00680)  |
| Gorontalo | Cerebrovascular disease                                  | 1   | 0.1 (0.0, 0.3)    | 0.0000021 (0.0000005, 0.0000058) | 0.00087 (0.00028, 0.00197) | 0.1 (0.0, 0.4)   | 0.0000031 (0.0000008, 0.0000084) | 0.00153 (0.00049, 0.00347) |
| Gorontalo | Ischemic heart disease                                   | 1   | - (0.0, 0.2)      | 0.0000007 (0.0000000, 0.0000035) | 0.0003 (0.00002, 0.00142)  | - (0.0, 0.2)     | 0.0000011 (0.0000001, 0.0000051) | 0.00053 (0.00004, 0.00244) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 1   | - (0.0, 0.1)      | 0.0000008 (0.0000002, 0.0000023) | 0.00033 (0.00009, 0.00078) | 0.1 (0.0, 0.2)   | 0.0000012 (0.0000003, 0.0000034) | 0.00057 (0.00016, 0.00133) |
| Gorontalo | Diabetes mellitus                                        | 1   | - (0.0, 0.2)      | 0.0000005 (0.0000000, 0.0000041) | 0.0002 (0.00000, 0.00155)  | - (0.0, 0.4)     | 0.000001 (0.0000000, 0.0000083)  | 0.00049 (0.00000, 0.00371) |
| Gorontalo | Chronic kidney disease                                   | 1   | 0.5 (0.2, 1.4)    | 0.0000112 (0.0000036, 0.0000281) | 0.00457 (0.00226, 0.00833) | 0.5 (0.2, 1.3)   | 0.0000117 (0.0000038, 0.0000283) | 0.00575 (0.00285, 0.01043) |
| Gorontalo | Cirrhosis                                                | 1   | 0.7 (0.2, 1.9)    | 0.0000154 (0.0000045, 0.0000392) | 0.00638 (0.00250, 0.01226) | 0.5 (0.1, 1.1)   | 0.0000103 (0.0000030, 0.0000247) | 0.00508 (0.00207, 0.01029) |
| Gorontalo | Chronic respiratory diseases                             | 1   | 3.0 (1.0, 6.8)    | 0.0000612 (0.0000207, 0.0001405) | 0.02509 (0.01301, 0.03974) | 1.4 (0.4, 3.3)   | 0.0000306 (0.0000097, 0.0000727) | 0.01513 (0.00715, 0.02652) |
| Gorontalo | Other non-communicable diseases                          | 1   | 8.1 (3.2, 16.5)   | 0.0001683 (0.0000654, 0.0003430) | 0.06889 (0.05408, 0.08619) | 9.7 (4.0, 19.2)  | 0.0002157 (0.0000898, 0.0004288) | 0.1058 (0.08833, 0.12446)  |
| Gorontalo | Drowning                                                 | 1   | 4.8 (1.6, 10.2)   | 0.0000991 (0.0000337, 0.0002122) | 0.04046 (0.02449, 0.06106) | 1.5 (0.5, 3.1)   | 0.0000324 (0.0000113, 0.0000691) | 0.01586 (0.00861, 0.02561) |
| Gorontalo | Falls                                                    | 1   | 0.9 (0.3, 2.4)    | 0.0000197 (0.0000054, 0.0000497) | 0.00802 (0.00353, 0.01525) | 0.4 (0.1, 1.0)   | 0.0000086 (0.0000024, 0.0000220) | 0.00422 (0.00171, 0.00819) |
| Gorontalo | Interpersonal violence                                   | 1   | 0.3 (0.1, 0.9)    | 0.0000071 (0.0000020, 0.0000182) | 0.00292 (0.00118, 0.00596) | 0.2 (0.1, 0.6)   | 0.0000052 (0.0000015, 0.0000133) | 0.00254 (0.00100, 0.00508) |
| Gorontalo | Transport injuries                                       | 1   | 1.4 (0.4, 3.4)    | 0.0000289 (0.0000092, 0.0000711) | 0.0118 (0.00606, 0.01950)  | 0.4 (0.1, 1.0)   | 0.0000093 (0.0000030, 0.0000232) | 0.00455 (0.00218, 0.00808) |
| Gorontalo | Other unintentional injuries                             | 1   | 2.9 (1.0, 6.5)    | 0.0000607 (0.0000199, 0.0001344) | 0.02476 (0.01405, 0.03899) | 1.1 (0.4, 2.6)   | 0.0000253 (0.0000085, 0.0000586) | 0.01242 (0.00662, 0.02039) |
| Gorontalo | Diarrheal diseases                                       | 5   | 12.4 (9.1, 15.8)  | 0.0001994 (0.0001471, 0.0002549) | 0.17031 (0.12996, 0.21169) | 12.7 (9.9, 15.6) | 0.0002055 (0.0001607, 0.0002520) | 0.22779 (0.18006, 0.27788) |
| Gorontalo | HIV/AIDS                                                 | 5   | 0.3 (0.1, 0.9)    | 0.000005 (0.0000010, 0.0000138)  | 0.00428 (0.00091, 0.01160) | 0.2 (0.0, 0.6)   | 0.0000039 (0.0000008, 0.0000102) | 0.00429 (0.00088, 0.01111) |
| Gorontalo | Lower respiratory infections                             | 5   | 7.7 (5.5, 10.3)   | 0.0001249 (0.0000892, 0.0001652) | 0.10664 (0.07815, 0.13787) | 6.0 (4.3, 7.9)   | 0.0000966 (0.0000698, 0.0001275) | 0.10714 (0.07876, 0.13971) |
| Gorontalo | Malaria                                                  | 5   | 0.7 (0.2, 1.5)    | 0.0000112 (0.0000039, 0.0000250) | 0.00956 (0.00335, 0.02131) | 0.5 (0.2, 1.1)   | 0.0000083 (0.0000032, 0.0000172) | 0.00919 (0.00359, 0.01907) |
| Gorontalo | Tuberculosis                                             | 5   | 4.7 (3.2, 6.7)    | 0.000076 (0.0000510, 0.0001075)  | 0.06485 (0.04458, 0.09002) | 3.8 (2.6, 5.2)   | 0.0000612 (0.0000420, 0.0000841) | 0.06784 (0.04667, 0.09293) |
| Gorontalo | Other communicable diseases                              | 5   | 16.1 (12.9, 19.9) | 0.00026 (0.0002073, 0.0003207)   | 0.10664 (0.18044, 0.26684) | 12.1 (9.5, 15.1) | 0.0001957 (0.0001534, 0.0002437) | 0.21685 (0.17320, 0.26551) |
| Gorontalo | Other malignant neoplasms                                | 5   | 1.6 (1.0, 2.5)    | 0.0000265 (0.0000163, 0.0000408) | 0.02266 (0.01404, 0.03457) | 1.8 (1.1, 2.6)   | 0.0000289 (0.0000182, 0.0000421) | 0.032 (0.02050, 0.04692)   |
| Gorontalo | Cerebrovascular disease                                  | 5   | 0.3 (0.1, 0.6)    | 0.0000051 (0.0000024, 0.0000095) | 0.00439 (0.00209, 0.00812) | 0.5 (0.2, 0.8)   | 0.0000073 (0.0000037, 0.0000123) | 0.00808 (0.00416, 0.01359) |
| Gorontalo | Ischemic heart disease                                   | 5   | 0.1 (0.0, 0.3)    | 0.0000002 (0.0000008, 0.0000043) | 0.00173 (0.00066, 0.00372) | 0.2 (0.1, 0.3)   | 0.0000029 (0.0000011, 0.0000056) | 0.00315 (0.00122, 0.00614) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 5   | 0.1 (0.1, 0.3)    | 0.0000022 (0.0000009, 0.0000048) | 0.00189 (0.00078, 0.00403) | 0.2 (0.1, 0.4)   | 0.000003 (0.0000014, 0.0000061)  | 0.00337 (0.00150, 0.00682) |
| Gorontalo | Diabetes mellitus                                        | 5   | 0.2 (0.1, 0.4)    | 0.0000032 (0.0000013, 0.0000071) | 0.00277 (0.00107, 0.00620) | 0.4 (0.2, 0.9)   | 0.0000065 (0.0000026, 0.0000141) | 0.00723 (0.00292, 0.01551) |
| Gorontalo | Chronic kidney disease                                   | 5   | 0.8 (0.4, 1.4)    | 0.0000131 (0.0000067, 0.0000231) | 0.01119 (0.00585, 0.01966) | 0.8 (0.4, 1.5)   | 0.0000135 (0.0000070, 0.0000236) | 0.01491 (0.00797, 0.02619) |
| Gorontalo | Cirrhosis                                                | 5   | 1.4 (0.8, 2.4)    | 0.0000232 (0.0000132, 0.0000382) | 0.0198 (0.01150, 0.03237)  | 0.9 (0.5, 1.5)   | 0.0000152 (0.0000084, 0.0000249) | 0.01684 (0.00954, 0.02739) |
| Gorontalo | Chronic respiratory diseases                             | 5   | 1.7 (1.0, 2.8)    | 0.0000276 (0.0000155, 0.0000458) | 0.0236 (0.01343, 0.03812)  | 0.8 (0.4, 1.4)   | 0.0000132 (0.0000071, 0.0000228) | 0.01464 (0.00791, 0.02511) |
| Gorontalo | Other non-communicable diseases                          | 5   | 5.6 (4.2, 7.1)    | 0.0000896 (0.0000670, 0.0001141) | 0.07651 (0.05967, 0.09650) | 6.9 (5.5, 8.5)   | 0.0001119 (0.0000885, 0.0001378) | 0.12406 (0.09990, 0.15033) |
| Gorontalo | Drowning                                                 | 5   | 11.7 (8.6, 14.9)  | 0.0001888 (0.0001393, 0.0002397) | 0.16126 (0.12238, 0.20073) | 4.8 (3.4, 6.4)   | 0.0000783 (0.0000542, 0.0001030) | 0.08679 (0.06041, 0.11423) |
| Gorontalo | Falls                                                    | 5   | 1.2 (0.6, 2.1)    | 0.0000198 (0.0000091, 0.0000346) | 0.0169 (0.00776, 0.02905)  | 0.6 (0.3, 1.1)   | 0.00001 (0.0000045, 0.0000184)   | 0.01109 (0.00502, 0.02019) |
| Gorontalo | Interpersonal violence                                   | 5   | 0.2 (0.1, 0.4)    | 0.0000032 (0.0000013, 0.0000064) | 0.00276 (0.00115, 0.00558) | 0.2 (0.1, 0.3)   | 0.0000027 (0.0000011, 0.0000054) | 0.00298 (0.00124, 0.00610) |
| Gorontalo | Transport injuries                                       | 5   | 3.6 (2.2, 5.5)    | 0.000058 (0.0000348, 0.0000881)  | 0.04951 (0.02987, 0.07332) | 1.4 (0.7, 2.3)   | 0.0000222 (0.0000119, 0.0000370) | 0.02455 (0.01310, 0.03926) |
| Gorontalo | Other unintentional injuries                             | 5   | 2.0 (1.1, 3.3)    | 0.000032 (0.0000183, 0.0000539)  | 0.02731 (0.01589, 0.04455) | 1.0 (0.5, 1.7)   | 0.0000155 (0.0000086, 0.0000276) | 0.01721 (0.00951, 0.03040) |
| Gorontalo | Diarrheal diseases                                       | 10  | 5.7 (3.9, 7.9)    | 0.0000937 (0.0000638, 0.0001298) | 0.09988 (0.06993, 0.13638) | 7.1 (5.0, 9.5)   | 0.0001209 (0.0000859, 0.0001621) | 0.13508 (0.09727, 0.17881) |
| Gorontalo | HIV/AIDS                                                 | 10  | 0.2 (0.1, 0.5)    | 0.0000033 (0.0000009, 0.0000084) | 0.00356 (0.00091, 0.00867) | 0.2 (0.0, 0.5)   | 0.0000032 (0.0000008, 0.0000082) | 0.00363 (0.00091, 0.00901) |
| Gorontalo | Lower respiratory infections                             | 10  | 3.3 (2.2, 4.7)    | 0.0000543 (0.0000364, 0.0000768) | 0.05791 (0.03843, 0.08107) | 2.9 (1.9, 4.1)   | 0.0000495 (0.0000332, 0.0000702) | 0.05526 (0.03783, 0.07683) |
| Gorontalo | Malaria                                                  | 10  | 1.2 (0.6, 2.2)    | 0.0000195 (0.0000094, 0.0000352) | 0.0208 (0.01007, 0.03802)  | 1.1 (0.6, 2.0)   | 0.0000196 (0.0000096, 0.0000338) | 0.02187 (0.01078, 0.03805) |
| Gorontalo | Tuberculosis                                             | 10  | 7.0 (5.3, 9.0)    | 0.0001137 (0.0000866, 0.0001474) | 0.12126 (0.09390, 0.15384) | 7.0 (5.3, 9.0)   | 0.0001196 (0.0000898, 0.0001530) | 0.13359 (0.10318, 0.16920) |
| Gorontalo | Maternal disorders                                       | 10  |                   |                                  |                            | 0.2 (0.0, 0.6)   | 0.000004 (0.0000007, 0.0000102)  | 0.00445 (0.00077, 0.01130) |
| Gorontalo | Other communicable diseases                              | 10  | 10.9 (8.5, 13.6)  | 0.0001785 (0.0001393, 0.0002224) | 0.19031 (0.15224, 0.23087) | 9.3 (7.1, 11.9)  | 0.0001595 (0.0001210, 0.0002033) | 0.17816 (0.13944, 0.22220) |
| Gorontalo | Other malignant neoplasms                                | 10  | 2.0 (1.4, 2.7)    | 0.000032 (0.0000223, 0.0000440)  | 0.03412 (0.02440, 0.04644) | 2.8 (2.1, 3.7)   | 0.0000477 (0.0000350, 0.0000638) | 0.0533 (0.03853, 0.07003)  |
| Gorontalo | Cerebrovascular disease                                  | 10  | 0.5 (0.3, 0.7)    | 0.0000074 (0.0000043, 0.0000120) | 0.00791 (0.00466, 0.01265) | 0.8 (0.5, 1.1)   | 0.0000129 (0.0000080, 0.0000191) | 0.01446 (0.00894, 0.02126) |
| Gorontalo | Ischemic heart disease                                   | 10  | 0.3 (0.2, 0.4)    | 0.0000044 (0.0000025, 0.0000072) | 0.00465 (0.00268, 0.00753) | 0.4 (0.3, 0.7)   | 0.0000076 (0.0000047, 0.0000120) | 0.00854 (0.00527, 0.01322) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 10  | 0.2 (0.1, 0.3)    | 0.0000029 (0.0000015, 0.0000053) | 0.00306 (0.00154, 0.00550) | 0.3 (0.2, 0.5)   | 0.0000051 (0.0000028, 0.0000088) | 0.0057 (0.00308, 0.00977)  |
| Gorontalo | Diabetes mellitus                                        | 10  | 0.2 (0.1, 0.4)    | 0.0000039 (0.0000021, 0.0000066) | 0.00414 (0.00224, 0.00708) | 0.6 (0.3, 1.0)   | 0.0000102 (0.0000056, 0.0000174) | 0.01143 (0.00617, 0.01893) |
| Gorontalo | Chronic kidney disease                                   | 10  | 0.9 (0.6, 1.4)    | 0.0000154 (0.0000096, 0.0000232) | 0.01645 (0.01027, 0.02495) | 1.2 (0.8, 1.9)   | 0.0000212 (0.0000132, 0.0000320) | 0.02364 (0.01493, 0.03553) |
| Gorontalo | Cirrhosis                                                | 10  | 1.4 (0.9, 2.0)    | 0.0000229 (0.0000149, 0.0000333) | 0.02438 (0.01646, 0.03492) | 1.1 (0.7, 1.6)   | 0.0000186 (0.0000121, 0.0000274) | 0.0208 (0.01352, 0.03032)  |
| Gorontalo | Chronic respiratory diseases                             | 10  | 2.1 (1.4, 3.0)    | 0.0000346 (0.0000229, 0.0000494) | 0.03688 (0.02473, 0.05191) | 1.3 (0.8, 2.0)   | 0.0000226 (0.0000144, 0.0000341) | 0.02529 (0.01618, 0.03835) |
| Gorontalo | Other non-communicable diseases                          | 10  | 5.6 (4.5, 6.9)    | 0.0000916 (0.0000736, 0.0001120) | 0.09764 (0.08035, 0.11723) | 8.4 (6.9, 10.1)  | 0.0001434 (0.0001171, 0.0001733) | 0.16018 (0.13611, 0.18564) |
| Gorontalo | Drowning                                                 | 10  | 6.4 (4.4, 8.5)    | 0.0001039 (0.0000717, 0.0001388) | 0.11079 (0.07635, 0.14649) | 2.6 (1.5, 3.9)   | 0.0000437 (0.0000253, 0.0000674) | 0.04884 (0.02884, 0.07400) |
| Gorontalo | Falls                                                    | 10  | 1.1 (0.5, 2.0)    | 0.0000178 (0.0000084, 0.0000322) | 0.01903 (0.00917, 0.03395) | 0.6 (0.3, 1.1)   | 0.00001 (0.0000047, 0.0000189)   | 0.01116 (0.00532, 0.02098) |
| Gorontalo | Interpersonal violence                                   | 10  | 0.3 (0.2, 0.5)    | 0.0000049 (0.0000026, 0.0000087) | 0.00521 (0.00277, 0.00930) | 0.3 (0.2, 0.5)   | 0.0000053 (0.0000029, 0.0000090) | 0.00592 (0.00322, 0.00991) |
| Gorontalo | Self-harm                                                | 10  | 0.7 (0.3, 1.4)    | 0.0000112 (0.0000046, 0.0000227) | 0.01193 (0.00498, 0.02358) | 0.6 (0.3, 1.2)   | 0.0000106 (0.0000044, 0.0000206) | 0.01186 (0.00492, 0.02337) |
| Gorontalo | Transport injuries                                       | 10  | 5.5 (3.8, 7.7)    | 0.0000905 (0.0000621, 0.0001252) | 0.09655 (0.06843, 0.13186) | 2.4 (1.6, 3.6)   | 0.0000413 (0.0000265, 0.0000614) | 0.04614 (0.02992, 0.06864) |
| Gorontalo | Other unintentional injuries                             | 10  | 1.9 (1.2, 2.9)    | 0.0000315 (0.0000191, 0.0000476) | 0.03357 (0.02094, 0.05100) | 1.1 (0.6, 1.8)   | 0.0000185 (0.0000108, 0.0000300) | 0.02069 (0.01230, 0.03339) |

# Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo | Diarrheal diseases                            | 15  | 2.9 (1.7, 4.6)    | 0.0000531 (0.0000309, 0.0000830) | 0.04719 (0.02896, 0.06919) | 4.3 (2.6, 6.3)    | 0.0000774 (0.0000462, 0.0001145) | 0.05332 (0.03224, 0.07703) |
| Gorontalo | HIV/AIDS                                      | 15  | 0.1 (0.0, 0.3)    | 0.0000025 (0.0000006, 0.0000061) | 0.00225 (0.00055, 0.00557) | 0.2 (0.0, 0.4)    | 0.0000029 (0.0000006, 0.0000081) | 0.00202 (0.00044, 0.00562) |
| Gorontalo | Lower respiratory infections                  | 15  | 1.4 (0.9, 2.2)    | 0.0000252 (0.0000156, 0.0000394) | 0.02243 (0.01435, 0.03311) | 1.3 (0.8, 1.9)    | 0.0000226 (0.0000139, 0.0000349) | 0.01554 (0.00985, 0.02346) |
| Gorontalo | Malaria                                       | 15  | 2.0 (1.1, 3.3)    | 0.0000365 (0.0000191, 0.0000597) | 0.03249 (0.01710, 0.05229) | 2.7 (1.4, 4.6)    | 0.0000493 (0.0000244, 0.0000830) | 0.03395 (0.01673, 0.05626) |
| Gorontalo | Tuberculosis                                  | 15  | 8.1 (6.1, 10.6)   | 0.0001473 (0.0001111, 0.0001913) | 0.1311 (0.10485, 0.15799)  | 9.9 (7.7, 12.9)   | 0.0001793 (0.0001394, 0.0002334) | 0.12354 (0.09739, 0.15092) |
| Gorontalo | Maternal disorders                            | 15  |                   |                                  |                            | 6.1 (3.7, 9.4)    | 0.0001098 (0.0000666, 0.0001691) | 0.0756 (0.04597, 0.11215)  |
| Gorontalo | Other communicable diseases                   | 15  | 7.2 (5.0, 9.6)    | 0.0001296 (0.0000911, 0.0001742) | 0.11528 (0.08535, 0.14715) | 6.7 (4.6, 9.4)    | 0.0001217 (0.0000830, 0.0001695) | 0.08378 (0.05943, 0.11160) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 15  | 0.1 (0.0, 0.2)    | 0.0000015 (0.0000004, 0.0000042) | 0.00129 (0.00034, 0.00357) | 0.1 (0.0, 0.2)    | 0.0000014 (0.0000004, 0.0000034) | 0.00097 (0.00026, 0.00232) |
| Gorontalo | Breast cancer                                 | 15  | - (0.0, 0.0)      | 0.0000001 (0.0000000, 0.0000004) | 0.0001 (0.00001, 0.00038)  | 0.6 (0.2, 1.3)    | 0.0000108 (0.0000034, 0.0000242) | 0.00743 (0.00246, 0.01676) |
| Gorontalo | Cervical cancer                               | 15  |                   |                                  |                            | 0.5 (0.2, 1.2)    | 0.0000097 (0.0000031, 0.0000225) | 0.00671 (0.00222, 0.01545) |
| Gorontalo | Other malignant neoplasms                     | 15  | 1.5 (1.0, 2.1)    | 0.0000275 (0.0000187, 0.0000381) | 0.02447 (0.01746, 0.03209) | 4.3 (2.9, 5.8)    | 0.0000777 (0.0000527, 0.0001054) | 0.0535 (0.03739, 0.07064)  |
| Gorontalo | Cerebrovascular disease                       | 15  | 0.7 (0.4, 1.2)    | 0.0000135 (0.0000080, 0.0000208) | 0.01198 (0.00748, 0.01782) | 1.7 (1.1, 2.5)    | 0.0000307 (0.0000192, 0.0000456) | 0.02114 (0.01352, 0.03116) |
| Gorontalo | Ischemic heart disease                        | 15  | 0.7 (0.4, 1.1)    | 0.0000129 (0.0000081, 0.0000196) | 0.01151 (0.00745, 0.01686) | 1.4 (0.9, 2.1)    | 0.000026 (0.0000169, 0.0000387)  | 0.01794 (0.01231, 0.02604) |
| Gorontalo | Other cardiovascular and circulatory diseases | 15  | 0.2 (0.1, 0.4)    | 0.0000039 (0.0000020, 0.0000069) | 0.00348 (0.00188, 0.00593) | 0.6 (0.3, 1.1)    | 0.0000111 (0.0000056, 0.0000196) | 0.00763 (0.00389, 0.01299) |
| Gorontalo | Diabetes mellitus                             | 15  | 0.3 (0.1, 0.5)    | 0.0000005 (0.0000027, 0.0000088) | 0.00447 (0.00247, 0.00748) | 1.2 (0.7, 2.0)    | 0.0000216 (0.0000120, 0.0000352) | 0.01483 (0.00848, 0.02374) |
| Gorontalo | Chronic kidney disease                        | 15  | 1.0 (0.6, 1.5)    | 0.0000174 (0.0000108, 0.0000278) | 0.0155 (0.00986, 0.02347)  | 2.3 (1.4, 3.6)    | 0.0000406 (0.0000253, 0.0000646) | 0.02799 (0.01744, 0.04380) |
| Gorontalo | Cirrhosis                                     | 15  | 1.4 (0.9, 2.2)    | 0.0000257 (0.0000160, 0.0000390) | 0.02286 (0.01521, 0.03353) | 1.7 (1.0, 2.6)    | 0.0000312 (0.0000188, 0.0000469) | 0.02147 (0.01327, 0.03209) |
| Gorontalo | Chronic respiratory diseases                  | 15  | 1.2 (0.7, 1.8)    | 0.0000212 (0.0000132, 0.0000318) | 0.01892 (0.01238, 0.02726) | 1.5 (0.9, 2.4)    | 0.0000273 (0.0000166, 0.0000426) | 0.0188 (0.01155, 0.02884)  |
| Gorontalo | Other non-communicable diseases               | 15  | 5.6 (4.3, 7.2)    | 0.0001021 (0.0000784, 0.0001310) | 0.09083 (0.07591, 0.10718) | 12.6 (10.0, 15.4) | 0.000227 (0.0001795, 0.0002779)  | 0.15631 (0.13135, 0.18195) |
| Gorontalo | Drowning                                      | 15  | 4.7 (2.8, 7.2)    | 0.0000845 (0.0000509, 0.0001304) | 0.07518 (0.04626, 0.11344) | 2.2 (1.2, 3.6)    | 0.0000396 (0.0000213, 0.0000655) | 0.02732 (0.01497, 0.04482) |
| Gorontalo | Falls                                         | 15  | 1.2 (0.6, 2.0)    | 0.0000216 (0.0000112, 0.0000367) | 0.01922 (0.01012, 0.03255) | 0.9 (0.4, 1.5)    | 0.0000155 (0.0000077, 0.0000269) | 0.0107 (0.00546, 0.01851)  |
| Gorontalo | Interpersonal violence                        | 15  | 0.6 (0.3, 1.0)    | 0.0000101 (0.0000055, 0.0000173) | 0.00896 (0.00522, 0.01517) | 1.1 (0.6, 1.8)    | 0.0000192 (0.0000108, 0.0000322) | 0.01321 (0.00733, 0.02223) |
| Gorontalo | Self-harm                                     | 15  | 1.0 (0.5, 1.8)    | 0.0000182 (0.0000091, 0.0000331) | 0.01617 (0.00831, 0.02897) | 1.8 (0.8, 3.0)    | 0.0000319 (0.0000151, 0.0000547) | 0.02198 (0.01104, 0.03757) |
| Gorontalo | Transport injuries                            | 15  | 17.4 (13.4, 22.0) | 0.0003155 (0.0002422, 0.0003982) | 0.28075 (0.23531, 0.32838) | 12.4 (9.3, 16.1)  | 0.0002239 (0.0001671, 0.0002900) | 0.1542 (0.11849, 0.19105)  |
| Gorontalo | Other unintentional injuries                  | 15  | 2.7 (1.7, 4.1)    | 0.0000489 (0.0000310, 0.0000750) | 0.04354 (0.02840, 0.06384) | 2.4 (1.5, 3.8)    | 0.0000437 (0.0000264, 0.0000687) | 0.03012 (0.01874, 0.04641) |
| Gorontalo | Diarrheal diseases                            | 20  | 2.4 (1.5, 3.6)    | 0.0000562 (0.0000349, 0.0000863) | 0.04057 (0.02612, 0.05845) | 3.5 (2.2, 5.2)    | 0.0000809 (0.0000504, 0.0001210) | 0.04142 (0.02600, 0.05966) |
| Gorontalo | HIV/AIDS                                      | 20  | 0.4 (0.1, 0.9)    | 0.000009 (0.0000025, 0.0000209)  | 0.00651 (0.00177, 0.01526) | 0.4 (0.1, 1.0)    | 0.0000101 (0.0000028, 0.0000235) | 0.00517 (0.00145, 0.01166) |
| Gorontalo | Lower respiratory infections                  | 20  | 1.1 (0.6, 1.6)    | 0.0000253 (0.0000154, 0.0000386) | 0.01822 (0.01156, 0.02636) | 0.9 (0.6, 1.4)    | 0.0000206 (0.0000129, 0.0000326) | 0.01055 (0.00672, 0.01586) |
| Gorontalo | Malaria                                       | 20  | 2.0 (1.0, 3.3)    | 0.0000483 (0.0000249, 0.0000788) | 0.03488 (0.01894, 0.05596) | 2.6 (1.3, 4.2)    | 0.0000609 (0.0000311, 0.0000984) | 0.0312 (0.01652, 0.05000)  |
| Gorontalo | Tuberculosis                                  | 20  | 12.2 (9.6, 15.0)  | 0.0002909 (0.0002282, 0.0003584) | 0.21017 (0.18149, 0.24240) | 12.9 (10.0, 16.4) | 0.0003009 (0.0002332, 0.0003830) | 0.1541 (0.12907, 0.18290)  |
| Gorontalo | Maternal disorders                            | 20  |                   |                                  |                            | 10.2 (6.9, 14.1)  | 0.0002372 (0.0001609, 0.0003290) | 0.12146 (0.08521, 0.16321) |
| Gorontalo | Other communicable diseases                   | 20  | 7.5 (5.4, 10.1)   | 0.0001776 (0.0001299, 0.0002396) | 0.12829 (0.10054, 0.15812) | 7.2 (5.1, 9.7)    | 0.0001671 (0.0001180, 0.0002259) | 0.08547 (0.06160, 0.11058) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 20  | 0.1 (0.0, 0.1)    | 0.0000013 (0.0000004, 0.0000034) | 0.00096 (0.00028, 0.00247) | 0.1 (0.0, 0.2)    | 0.0000026 (0.0000008, 0.0000057) | 0.00131 (0.00042, 0.00293) |
| Gorontalo | Breast cancer                                 | 20  | - (0.0, 0.0)      | 0.0000002 (0.0000000, 0.0000005) | 0.00012 (0.00002, 0.00036) | 1.5 (0.8, 2.7)    | 0.000036 (0.0000186, 0.0000623)  | 0.01845 (0.00984, 0.03100) |
| Gorontalo | Cervical cancer                               | 20  |                   |                                  |                            | 1.1 (0.5, 2.2)    | 0.0000262 (0.0000112, 0.0000504) | 0.0134 (0.00589, 0.02547)  |
| Gorontalo | Other malignant neoplasms                     | 20  | 1.1 (0.8, 1.6)    | 0.0000271 (0.0000180, 0.0000388) | 0.01953 (0.01398, 0.02668) | 4.1 (2.7, 5.8)    | 0.0000967 (0.0000640, 0.0001344) | 0.0495 (0.03444, 0.06708)  |
| Gorontalo | Cerebrovascular disease                       | 20  | 1.2 (0.8, 1.7)    | 0.0000281 (0.0000195, 0.0000403) | 0.02072 (0.01501, 0.02761) | 2.6 (1.9, 3.6)    | 0.0000616 (0.0000441, 0.0000845) | 0.03154 (0.02329, 0.04076) |
| Gorontalo | Ischemic heart disease                        | 20  | 1.1 (0.8, 1.6)    | 0.0000266 (0.0000179, 0.0000390) | 0.01919 (0.01364, 0.02632) | 1.7 (1.1, 2.3)    | 0.000039 (0.0000267, 0.0000534)  | 0.01997 (0.01419, 0.02673) |
| Gorontalo | Other cardiovascular and circulatory diseases | 20  | 0.3 (0.2, 0.5)    | 0.0000068 (0.0000039, 0.0000115) | 0.00488 (0.00290, 0.00795) | 0.9 (0.5, 1.3)    | 0.0000201 (0.0000122, 0.0000306) | 0.01026 (0.00646, 0.01543) |
| Gorontalo | Diabetes mellitus                             | 20  | 0.2 (0.1, 0.3)    | 0.0000051 (0.0000028, 0.0000083) | 0.00366 (0.00213, 0.00571) | 1.0 (0.6, 1.6)    | 0.0000234 (0.0000142, 0.0000377) | 0.01195 (0.00738, 0.01886) |
| Gorontalo | Chronic kidney disease                        | 20  | 1.2 (0.8, 1.8)    | 0.0000281 (0.0000185, 0.0000424) | 0.0203 (0.01394, 0.02871)  | 3.0 (2.0, 4.3)    | 0.0000693 (0.0000470, 0.0001009) | 0.03549 (0.02508, 0.05062) |
| Gorontalo | Cirrhosis                                     | 20  | 1.8 (1.2, 2.6)    | 0.0000431 (0.0000284, 0.0000618) | 0.03115 (0.02198, 0.04184) | 2.5 (1.7, 3.5)    | 0.000058 (0.0000385, 0.0000822)  | 0.02969 (0.02013, 0.04117) |
| Gorontalo | Chronic respiratory diseases                  | 20  | 1.8 (1.2, 2.6)    | 0.0000441 (0.0000293, 0.0000625) | 0.03184 (0.02289, 0.04259) | 3.4 (2.4, 4.8)    | 0.00008 (0.0000565, 0.0001110)   | 0.04099 (0.03035, 0.05412) |
| Gorontalo | Other non-communicable diseases               | 20  | 4.6 (3.5, 6.0)    | 0.0001108 (0.0000833, 0.0001430) | 0.07998 (0.06635, 0.09517) | 10.6 (8.2, 13.2)  | 0.0002475 (0.0001913, 0.0003087) | 0.12668 (0.10665, 0.14710) |
| Gorontalo | Drowning                                      | 20  | 2.9 (1.6, 4.5)    | 0.0000693 (0.0000370, 0.0001078) | 0.05004 (0.02798, 0.07656) | 1.3 (0.7, 2.3)    | 0.0000314 (0.0000156, 0.0000545) | 0.01606 (0.00825, 0.02677) |
| Gorontalo | Falls                                         | 20  | 1.0 (0.5, 1.7)    | 0.0000235 (0.0000114, 0.0000405) | 0.01699 (0.00849, 0.02827) | 0.7 (0.3, 1.3)    | 0.0000161 (0.0000078, 0.0000292) | 0.00824 (0.00404, 0.01476) |
| Gorontalo | Interpersonal violence                        | 20  | 0.5 (0.3, 1.0)    | 0.0000128 (0.0000070, 0.0000233) | 0.00921 (0.00530, 0.01616) | 0.9 (0.5, 1.5)    | 0.000021 (0.0000118, 0.0000349)  | 0.01079 (0.00621, 0.01785) |
| Gorontalo | Self-harm                                     | 20  | 0.8 (0.4, 1.4)    | 0.0000194 (0.0000099, 0.0000335) | 0.01405 (0.00742, 0.02397) | 1.3 (0.6, 2.2)    | 0.0000294 (0.0000146, 0.0000510) | 0.01505 (0.00790, 0.02617) |
| Gorontalo | Transport injuries                            | 20  | 11.4 (8.6, 14.9)  | 0.0002718 (0.0002041, 0.0003564) | 0.19634 (0.15717, 0.23467) | 7.3 (5.2, 9.7)    | 0.0001697 (0.0001210, 0.0002263) | 0.0869 (0.06336, 0.10966)  |
| Gorontalo | Other unintentional injuries                  | 20  | 2.5 (1.5, 3.7)    | 0.0000587 (0.0000367, 0.0000886) | 0.04242 (0.02718, 0.06342) | 2.0 (1.2, 3.2)    | 0.0000475 (0.0000290, 0.0000754) | 0.02434 (0.01530, 0.03764) |
| Gorontalo | Diarrheal diseases                            | 25  | 3.8 (2.5, 5.7)    | 0.0000829 (0.0000531, 0.0001242) | 0.05072 (0.03392, 0.07202) | 6.5 (4.3, 9.7)    | 0.000137 (0.0000901, 0.0002032)  | 0.05414 (0.03755, 0.07487) |
| Gorontalo | HIV/AIDS                                      | 25  | 0.8 (0.2, 1.9)    | 0.0000176 (0.0000052, 0.0000403) | 0.01077 (0.00313, 0.02409) | 1.1 (0.3, 2.5)    | 0.0000232 (0.0000066, 0.0000532) | 0.00916 (0.00267, 0.02054) |
| Gorontalo | Lower respiratory infections                  | 25  | 1.3 (0.8, 2.0)    | 0.0000278 (0.0000166, 0.0000434) | 0.01701 (0.01049, 0.02503) | 1.2 (0.8, 1.9)    | 0.0000262 (0.0000160, 0.0000404) | 0.01034 (0.00653, 0.01551) |
| Gorontalo | Malaria                                       | 25  | 2.4 (1.3, 4.1)    | 0.0000529 (0.0000274, 0.0000892) | 0.03236 (0.01730, 0.05129) | 3.6 (1.9, 5.8)    | 0.0000751 (0.0000390, 0.0001217) | 0.02975 (0.01613, 0.04786) |
| Gorontalo | Tuberculosis                                  | 25  | 18.9 (15.2, 23.6) | 0.0004077 (0.0003291, 0.0005100) | 0.24974 (0.21758, 0.28289) | 22.7 (17.5, 28.9) | 0.0004783 (0.0003684, 0.0006081) | 0.18916 (0.16349, 0.21828) |
| Gorontalo | Maternal disorders                            | 25  |                   |                                  |                            | 9.8 (6.4, 14.5)   | 0.0002065 (0.0001343, 0.0003058) | 0.08164 (0.05445, 0.11014) |
| Gorontalo | Other communicable diseases                   | 25  | 9.1 (6.8, 12.2)   | 0.0001971 (0.0001460, 0.0002634) | 0.1207 (0.09403, 0.14951)  | 10.1 (7.1, 13.9)  | 0.0002137 (0.0001484, 0.0002927) | 0.08447 (0.06259, 0.10762) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 25  | 0.1 (0.0, 0.2)    | 0.0000021 (0.0000007, 0.0000054) | 0.00131 (0.00042, 0.00325) | 0.2 (0.1, 0.4)    | 0.000004 (0.0000013, 0.0000088)  | 0.00156 (0.00053, 0.00343) |
| Gorontalo | Breast cancer                                 | 25  | - (0.0, 0.0)      | 0.0000002 (0.0000000, 0.0000005) | 0.00012 (0.00003, 0.00034) | 3.9 (2.2, 6.0)    | 0.0000815 (0.0000470, 0.0001267) | 0.03225 (0.01967, 0.04799) |
| Gorontalo | Cervical cancer                               | 25  |                   |                                  |                            | 2.4 (1.2, 4.4)    | 0.0000498 (0.0000245, 0.0000918) | 0.01969 (0.01023, 0.03384) |
| Gorontalo | Other malignant neoplasms                     | 25  | 1.8 (1.2, 2.5)    | 0.0000382 (0.0000267, 0.0000534) | 0.02339 (0.01719, 0.03057) | 5.5 (3.7, 7.9)    | 0.0001164 (0.0000778, 0.0001661) | 0.04605 (0.03279, 0.06247) |
| Gorontalo | Cerebrovascular disease                       | 25  | 2.7 (2.0, 3.5)    | 0.0000581 (0.0000438, 0.0000760) | 0.03557 (0.02814, 0.04424) | 5.8 (4.4, 7.6)    | 0.0001219 (0.0000918, 0.0001599) | 0.04819 (0.03898, 0.05821) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males             |                                  |                              | Females           |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------|----------------------------------|------------------------------|-------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                  | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo | Ischemic heart disease                        | 25  | 2.7 (1.9, 3.7)    | 0.0000577 (0.0000421, 0.0000790) | 0.03528 (0.02735, 0.04469)   | 3.7 (2.7, 4.9)    | 0.0000774 (0.0000561, 0.0001032) | 0.03058 (0.02403, 0.03856) |
| Gorontalo | Other cardiovascular and circulatory diseases | 25  | 0.5 (0.3, 0.7)    | 0.00001 (0.0000062, 0.0000160)   | 0.00614 (0.00391, 0.00925)   | 1.4 (0.9, 2.1)    | 0.0000302 (0.0000192, 0.0000449) | 0.01193 (0.00810, 0.01676) |
| Gorontalo | Diabetes mellitus                             | 25  | 0.4 (0.3, 0.6)    | 0.0000092 (0.0000059, 0.0000137) | 0.00565 (0.00372, 0.00788)   | 2.0 (1.3, 2.9)    | 0.0000419 (0.0000272, 0.0000613) | 0.01656 (0.01151, 0.02252) |
| Gorontalo | Chronic kidney disease                        | 25  | 1.6 (1.1, 2.3)    | 0.0000343 (0.0000238, 0.0000495) | 0.02102 (0.01520, 0.02853)   | 4.0 (2.7, 5.6)    | 0.0000833 (0.0000574, 0.0001175) | 0.03293 (0.02468, 0.04451) |
| Gorontalo | Cirrhosis                                     | 25  | 3.0 (2.1, 4.1)    | 0.0000651 (0.0000462, 0.0000885) | 0.03984 (0.02956, 0.05161)   | 4.1 (2.8, 5.8)    | 0.0000874 (0.0000591, 0.0001230) | 0.03454 (0.02544, 0.04519) |
| Gorontalo | Chronic respiratory diseases                  | 25  | 2.6 (1.9, 3.7)    | 0.0000572 (0.0000403, 0.0000796) | 0.03507 (0.02632, 0.04576)   | 5.3 (3.8, 7.3)    | 0.0001113 (0.0000794, 0.0001528) | 0.04401 (0.03357, 0.05598) |
| Gorontalo | Other non-communicable diseases               | 25  | 6.7 (5.3, 8.7)    | 0.0001455 (0.0001143, 0.0001879) | 0.08911 (0.07489, 0.10437)   | 15.4 (11.8, 19.5) | 0.0003241 (0.0002492, 0.0004104) | 0.12811 (0.11102, 0.14617) |
| Gorontalo | Drowning                                      | 25  | 2.3 (1.1, 4.0)    | 0.0000488 (0.0000228, 0.0000863) | 0.02982 (0.01452, 0.05087)   | 1.0 (0.5, 1.8)    | 0.0000203 (0.0000097, 0.0000373) | 0.00803 (0.00409, 0.01429) |
| Gorontalo | Falls                                         | 25  | 1.6 (0.8, 2.8)    | 0.0000349 (0.0000171, 0.0000613) | 0.02136 (0.01065, 0.03562)   | 1.1 (0.5, 1.8)    | 0.0000222 (0.0000109, 0.0000375) | 0.00879 (0.00447, 0.01452) |
| Gorontalo | Interpersonal violence                        | 25  | 0.6 (0.3, 1.1)    | 0.000013 (0.0000069, 0.0000235)  | 0.00797 (0.00450, 0.01433)   | 0.9 (0.5, 1.6)    | 0.0000195 (0.0000109, 0.0000327) | 0.00772 (0.00436, 0.01241) |
| Gorontalo | Self-harm                                     | 25  | 0.8 (0.4, 1.4)    | 0.0000183 (0.0000090, 0.0000313) | 0.01121 (0.00568, 0.01931)   | 1.2 (0.6, 2.1)    | 0.000025 (0.0000123, 0.0000444)  | 0.00987 (0.00520, 0.01730) |
| Gorontalo | Transport injuries                            | 25  | 8.5 (6.1, 11.5)   | 0.0001828 (0.0001323, 0.0002495) | 0.11194 (0.08365, 0.14354)   | 4.7 (3.1, 6.7)    | 0.0000997 (0.0000651, 0.0001415) | 0.03944 (0.02706, 0.05397) |
| Gorontalo | Other unintentional injuries                  | 25  | 3.3 (2.1, 5.1)    | 0.0000716 (0.0000449, 0.0001097) | 0.0439 (0.02835, 0.06609)    | 2.5 (1.5, 3.9)    | 0.0000533 (0.0000326, 0.0000830) | 0.02107 (0.01356, 0.03167) |
| Gorontalo | Diarrheal diseases                            | 30  | 4.4 (2.8, 6.4)    | 0.0000962 (0.0000625, 0.0001398) | 0.0534 (0.03637, 0.07201)    | 7.4 (4.8, 10.6)   | 0.000163 (0.0001066, 0.0002355)  | 0.05108 (0.03605, 0.06824) |
| Gorontalo | HIV/AIDS                                      | 30  | 0.9 (0.3, 2.0)    | 0.0000195 (0.0000058, 0.0000444) | 0.0108 (0.00332, 0.02494)    | 1.2 (0.4, 2.6)    | 0.0000273 (0.0000080, 0.0000584) | 0.00854 (0.00268, 0.01848) |
| Gorontalo | Lower respiratory infections                  | 30  | 1.3 (0.8, 2.1)    | 0.0000288 (0.0000171, 0.0000459) | 0.01599 (0.00998, 0.02346)   | 1.3 (0.8, 2.0)    | 0.0000289 (0.0000174, 0.0000447) | 0.00905 (0.00592, 0.01327) |
| Gorontalo | Malaria                                       | 30  | 2.0 (1.0, 3.4)    | 0.000045 (0.0000225, 0.0000753)  | 0.02496 (0.01282, 0.04024)   | 2.9 (1.5, 4.8)    | 0.0000643 (0.0000331, 0.0001069) | 0.02018 (0.01067, 0.03205) |
| Gorontalo | Tuberculosis                                  | 30  | 19.8 (15.8, 25.3) | 0.0004347 (0.0003460, 0.0005555) | 0.24157 (0.20977, 0.27230)   | 24.0 (18.4, 30.9) | 0.0005328 (0.0004078, 0.0006859) | 0.16704 (0.14210, 0.19454) |
| Gorontalo | Maternal disorders                            | 30  |                   |                                  |                              | 12.5 (8.2, 18.2)  | 0.0002767 (0.0001813, 0.0004041) | 0.08673 (0.05993, 0.11728) |
| Gorontalo | Other communicable diseases                   | 30  | 6.7 (4.7, 9.3)    | 0.0001466 (0.0001040, 0.0002032) | 0.08143 (0.05973, 0.10618)   | 7.4 (4.9, 10.8)   | 0.0001632 (0.0001079, 0.0002396) | 0.0511 (0.03659, 0.06881)  |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 30  | 0.2 (0.1, 0.5)    | 0.000004 (0.0000012, 0.0000103)  | 0.00222 (0.00068, 0.00561)   | 0.2 (0.1, 0.6)    | 0.0000055 (0.0000019, 0.0000123) | 0.0017 (0.00060, 0.00376)  |
| Gorontalo | Breast cancer                                 | 30  | - (0.0, 0.0)      | 0.0000003 (0.0000001, 0.0000009) | 0.00015 (0.000003, 0.000050) | 6.5 (4.0, 9.5)    | 0.0001438 (0.0000881, 0.0002109) | 0.04509 (0.02918, 0.06248) |
| Gorontalo | Cervical cancer                               | 30  |                   |                                  |                              | 4.0 (2.1, 6.8)    | 0.0000885 (0.0000465, 0.0001501) | 0.02772 (0.01497, 0.04450) |
| Gorontalo | Other malignant neoplasms                     | 30  | 2.4 (1.7, 3.4)    | 0.0000532 (0.0000371, 0.0000740) | 0.02956 (0.02208, 0.03830)   | 6.1 (3.9, 8.8)    | 0.0001354 (0.0000875, 0.0001956) | 0.04247 (0.02898, 0.05879) |
| Gorontalo | Cerebrovascular disease                       | 30  | 4.9 (3.8, 6.5)    | 0.000107 (0.0000828, 0.0001419)  | 0.05947 (0.04897, 0.07242)   | 10.9 (8.3, 14.2)  | 0.0002413 (0.0001841, 0.0003147) | 0.07564 (0.06462, 0.08891) |
| Gorontalo | Ischemic heart disease                        | 30  | 4.5 (3.3, 6.0)    | 0.0000982 (0.0000724, 0.0001321) | 0.05456 (0.04398, 0.06666)   | 6.3 (4.6, 8.4)    | 0.0001402 (0.0001029, 0.0001855) | 0.04393 (0.03562, 0.05341) |
| Gorontalo | Other cardiovascular and circulatory diseases | 30  | 0.6 (0.4, 1.0)    | 0.000014 (0.0000088, 0.0000224)  | 0.00776 (0.00505, 0.01163)   | 2.0 (1.3, 3.0)    | 0.0000454 (0.0000292, 0.0000674) | 0.01422 (0.00984, 0.01975) |
| Gorontalo | Diabetes mellitus                             | 30  | 0.8 (0.5, 1.1)    | 0.0000169 (0.0000113, 0.0000243) | 0.00938 (0.00653, 0.01297)   | 3.6 (2.4, 5.0)    | 0.0000804 (0.0000543, 0.0001112) | 0.02519 (0.01877, 0.03320) |
| Gorontalo | Chronic kidney disease                        | 30  | 1.9 (1.3, 2.7)    | 0.000041 (0.0000282, 0.0000596)  | 0.02277 (0.01636, 0.03051)   | 4.7 (3.3, 6.8)    | 0.0001045 (0.0000722, 0.0001499) | 0.03275 (0.02417, 0.04358) |
| Gorontalo | Cirrhosis                                     | 30  | 4.4 (3.1, 6.0)    | 0.0000959 (0.0000684, 0.0001306) | 0.05324 (0.04012, 0.06777)   | 6.2 (4.3, 8.5)    | 0.0001373 (0.0000951, 0.0001884) | 0.04305 (0.03228, 0.05467) |
| Gorontalo | Chronic respiratory diseases                  | 30  | 3.0 (2.1, 4.1)    | 0.000066 (0.0000463, 0.0000908)  | 0.03668 (0.02744, 0.04719)   | 6.2 (4.4, 8.3)    | 0.0001366 (0.0000985, 0.0001847) | 0.04285 (0.03294, 0.05334) |
| Gorontalo | Other non-communicable diseases               | 30  | 8.0 (6.2, 10.4)   | 0.0001749 (0.0001352, 0.0002285) | 0.09715 (0.08130, 0.11388)   | 19.0 (14.5, 24.4) | 0.0004204 (0.0003217, 0.0005413) | 0.13173 (0.11435, 0.15021) |
| Gorontalo | Drowning                                      | 30  | 2.7 (1.4, 4.6)    | 0.0000593 (0.0000308, 0.0001006) | 0.03291 (0.01760, 0.05356)   | 1.3 (0.6, 2.2)    | 0.0000288 (0.0000142, 0.0000482) | 0.00901 (0.00467, 0.01501) |
| Gorontalo | Falls                                         | 30  | 2.0 (1.0, 3.5)    | 0.0000443 (0.0000225, 0.0000763) | 0.02461 (0.01297, 0.04004)   | 1.5 (0.7, 2.4)    | 0.0000323 (0.0000163, 0.0000535) | 0.01014 (0.00542, 0.01678) |
| Gorontalo | Interpersonal violence                        | 30  | 0.5 (0.2, 0.8)    | 0.0000101 (0.0000053, 0.0000181) | 0.00562 (0.00305, 0.01015)   | 0.8 (0.4, 1.3)    | 0.0000168 (0.0000092, 0.0000286) | 0.00528 (0.00299, 0.00865) |
| Gorontalo | Self-harm                                     | 30  | 0.6 (0.3, 1.1)    | 0.0000138 (0.0000067, 0.0000242) | 0.00766 (0.00382, 0.01334)   | 0.9 (0.5, 1.6)    | 0.0000208 (0.0000103, 0.0000360) | 0.00652 (0.00340, 0.01117) |
| Gorontalo | Transport injuries                            | 30  | 7.4 (5.2, 10.5)   | 0.0001631 (0.0001138, 0.0002294) | 0.09058 (0.06637, 0.11915)   | 4.5 (2.9, 6.6)    | 0.0000999 (0.0000647, 0.0001461) | 0.03132 (0.02140, 0.04297) |
| Gorontalo | Other unintentional injuries                  | 30  | 3.1 (1.9, 4.7)    | 0.0000675 (0.0000410, 0.0001040) | 0.03752 (0.02371, 0.05677)   | 2.5 (1.6, 4.0)    | 0.0000563 (0.0000347, 0.0000893) | 0.01768 (0.01137, 0.02650) |
| Gorontalo | Diarrheal diseases                            | 35  | 4.4 (2.9, 6.6)    | 0.0000957 (0.0000618, 0.0001424) | 0.04218 (0.02897, 0.05879)   | 9.5 (6.1, 14.2)   | 0.0002112 (0.0001363, 0.0003149) | 0.044 (0.03092, 0.06001)   |
| Gorontalo | HIV/AIDS                                      | 35  | 0.9 (0.3, 2.2)    | 0.0000185 (0.0000056, 0.0000464) | 0.00819 (0.00253, 0.01911)   | 1.5 (0.4, 3.4)    | 0.0000336 (0.0000095, 0.0000759) | 0.007 (0.00205, 0.01547)   |
| Gorontalo | Lower respiratory infections                  | 35  | 1.5 (0.9, 2.4)    | 0.0000331 (0.0000198, 0.0000523) | 0.01457 (0.00904, 0.02139)   | 1.9 (1.2, 3.0)    | 0.0000433 (0.0000258, 0.0000677) | 0.00902 (0.00582, 0.01325) |
| Gorontalo | Malaria                                       | 35  | 2.1 (1.1, 3.7)    | 0.0000451 (0.0000227, 0.0000793) | 0.01993 (0.01043, 0.03298)   | 3.8 (1.9, 6.2)    | 0.0000836 (0.0000431, 0.0001383) | 0.01745 (0.00926, 0.02780) |
| Gorontalo | Tuberculosis                                  | 35  | 23.7 (18.8, 30.6) | 0.0005097 (0.0004045, 0.0006580) | 0.22501 (0.19838, 0.25376)   | 36.4 (27.6, 48.2) | 0.0008105 (0.0006138, 0.0010729) | 0.16902 (0.14718, 0.19062) |
| Gorontalo | Maternal disorders                            | 35  |                   |                                  |                              | 9.6 (5.8, 15.0)   | 0.0002134 (0.0001299, 0.0003328) | 0.04454 (0.02844, 0.06587) |
| Gorontalo | Other communicable diseases                   | 35  | 6.8 (4.7, 9.4)    | 0.0001471 (0.0001009, 0.0002018) | 0.06496 (0.04783, 0.08475)   | 9.6 (6.2, 14.0)   | 0.0002129 (0.0001376, 0.0003108) | 0.04432 (0.03193, 0.05913) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 35  | 0.1 (0.0, 0.4)    | 0.0000032 (0.0000008, 0.0000084) | 0.00142 (0.00038, 0.00378)   | 0.4 (0.1, 0.9)    | 0.0000091 (0.0000031, 0.0000193) | 0.00189 (0.00069, 0.00394) |
| Gorontalo | Breast cancer                                 | 35  | - (0.0, 0.1)      | 0.0000006 (0.0000001, 0.0000019) | 0.00026 (0.00005, 0.00085)   | 12.4 (7.7, 17.9)  | 0.0002767 (0.0001725, 0.0003991) | 0.05769 (0.03920, 0.07686) |
| Gorontalo | Cervical cancer                               | 35  |                   |                                  |                              | 7.4 (4.0, 12.4)   | 0.0001654 (0.0000880, 0.0002757) | 0.03447 (0.01937, 0.05351) |
| Gorontalo | Other malignant neoplasms                     | 35  | 4.2 (3.0, 5.8)    | 0.000091 (0.0000643, 0.0001245)  | 0.04015 (0.03072, 0.05055)   | 8.6 (5.4, 12.8)   | 0.0001904 (0.0001204, 0.0002845) | 0.03974 (0.02692, 0.05496) |
| Gorontalo | Cerebrovascular disease                       | 35  | 9.7 (7.5, 12.7)   | 0.0002094 (0.0001620, 0.0002727) | 0.09251 (0.07816, 0.10853)   | 23.4 (17.5, 31.1) | 0.0005203 (0.0003893, 0.0006920) | 0.10848 (0.09478, 0.12311) |
| Gorontalo | Ischemic heart disease                        | 35  | 8.0 (6.0, 10.4)   | 0.0001719 (0.0001290, 0.0002247) | 0.07587 (0.06338, 0.09038)   | 12.6 (9.2, 16.9)  | 0.0002795 (0.0002045, 0.0003767) | 0.05828 (0.04818, 0.06855) |
| Gorontalo | Other cardiovascular and circulatory diseases | 35  | 1.1 (0.7, 1.6)    | 0.0000226 (0.0000142, 0.0000350) | 0.00998 (0.00661, 0.01459)   | 3.6 (2.3, 5.4)    | 0.0000797 (0.0000509, 0.0001200) | 0.01661 (0.01158, 0.02282) |
| Gorontalo | Diabetes mellitus                             | 35  | 1.8 (1.2, 2.5)    | 0.0000383 (0.0000266, 0.0000542) | 0.01688 (0.01251, 0.02256)   | 8.7 (6.1, 12.1)   | 0.0001936 (0.0001348, 0.0002684) | 0.04037 (0.03133, 0.05165) |
| Gorontalo | Chronic kidney disease                        | 35  | 2.7 (1.9, 4.0)    | 0.0000587 (0.0000406, 0.0000856) | 0.02589 (0.01919, 0.03474)   | 7.2 (5.0, 10.2)   | 0.0001601 (0.0001104, 0.0002265) | 0.03339 (0.02539, 0.04442) |
| Gorontalo | Cirrhosis                                     | 35  | 6.7 (4.8, 9.0)    | 0.0001436 (0.0001026, 0.0001940) | 0.06337 (0.04821, 0.07943)   | 10.0 (6.9, 13.8)  | 0.0002215 (0.0001529, 0.0003082) | 0.04619 (0.03500, 0.05851) |
| Gorontalo | Chronic respiratory diseases                  | 35  | 4.5 (3.3, 6.1)    | 0.0000968 (0.0000707, 0.0001309) | 0.04276 (0.03286, 0.05367)   | 9.3 (6.6, 12.7)   | 0.000207 (0.0001460, 0.0002816)  | 0.04316 (0.03386, 0.05313) |
| Gorontalo | Other non-communicable diseases               | 35  | 10.6 (8.0, 13.8)  | 0.000227 (0.0001731, 0.0002969)  | 0.10019 (0.08461, 0.11745)   | 26.9 (20.0, 35.4) | 0.0005985 (0.0004444, 0.0007868) | 0.12477 (0.10673, 0.14300) |
| Gorontalo | Drowning                                      | 35  | 3.6 (2.0, 5.8)    | 0.0000771 (0.0000439, 0.0001246) | 0.03399 (0.02016, 0.05151)   | 2.0 (1.0, 3.4)    | 0.0000436 (0.0000221, 0.0000749) | 0.00909 (0.00499, 0.01508) |
| Gorontalo | Falls                                         | 35  | 2.2 (1.1, 3.7)    | 0.0000471 (0.0000238, 0.0000801) | 0.02081 (0.01082, 0.03333)   | 1.8 (0.9, 3.0)    | 0.0000398 (0.0000192, 0.0000660) | 0.00831 (0.00428, 0.01306) |
| Gorontalo | Interpersonal violence                        | 35  | 0.4 (0.2, 0.8)    | 0.0000093 (0.0000049, 0.0000169) | 0.00412 (0.00225, 0.00734)   | 0.8 (0.4, 1.3)    | 0.0000179 (0.0000095, 0.0000300) | 0.00374 (0.00206, 0.00599) |
| Gorontalo | Self-harm                                     | 35  | 0.6 (0.3, 1.1)    | 0.0000138 (0.0000065, 0.0000244) | 0.00607 (0.00298, 0.01036)   | 1.1 (0.5, 1.9)    | 0.0000238 (0.0000120, 0.0000427) | 0.00496 (0.00263, 0.00857) |



Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                             |
|-----------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|-----------------------------|
|           |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 |
| Gorontalo | Transport injuries                            | 35  | 6.4 (4.3, 9.3)    | 0.000138 (0.0000927, 0.0001995)  | 0.06092 (0.04259, 0.08247)  | 4.3 (2.6, 6.5)    | 0.0000957 (0.0000589, 0.0001439) | 0.01997 (0.01312, 0.02809)  |
| Gorontalo | Other unintentional injuries                  | 35  | 3.2 (2.0, 4.9)    | 0.0000678 (0.0000423, 0.0001058) | 0.02996 (0.01925, 0.04545)  | 2.9 (1.7, 4.7)    | 0.000065 (0.0000386, 0.0001048)  | 0.01357 (0.00873, 0.02090)  |
| Gorontalo | Diarrheal diseases                            | 40  | 4.5 (3.0, 6.6)    | 0.0001175 (0.0000783, 0.0001721) | 0.03596 (0.02514, 0.04790)  | 9.9 (6.7, 14.0)   | 0.0002682 (0.0001822, 0.0003801) | 0.04121 (0.03019, 0.05393)  |
| Gorontalo | HIV/AIDS                                      | 40  | 0.4 (0.1, 1.0)    | 0.0000112 (0.0000032, 0.0000264) | 0.00345 (0.00100, 0.00787)  | 0.8 (0.2, 1.7)    | 0.0000208 (0.0000062, 0.0000462) | 0.0032 (0.00094, 0.00707)   |
| Gorontalo | Lower respiratory infections                  | 40  | 1.4 (0.8, 2.2)    | 0.0000363 (0.0000221, 0.0000568) | 0.01109 (0.00724, 0.01617)  | 1.9 (1.2, 2.9)    | 0.0000513 (0.0000318, 0.0000779) | 0.00789 (0.00517, 0.01139)  |
| Gorontalo | Malaria                                       | 40  | 2.1 (1.1, 3.6)    | 0.0000558 (0.0000297, 0.0000937) | 0.01711 (0.00960, 0.02740)  | 3.7 (1.9, 6.1)    | 0.000101 (0.0000518, 0.0001654)  | 0.01551 (0.00846, 0.02439)  |
| Gorontalo | Tuberculosis                                  | 40  | 22.3 (17.6, 28.6) | 0.0005851 (0.0004604, 0.0007488) | 0.17926 (0.15852, 0.20122)  | 34.5 (26.6, 44.4) | 0.0009396 (0.0007249, 0.0012082) | 0.1444 (0.12727, 0.16398)   |
| Gorontalo | Maternal disorders                            | 40  |                   |                                  |                             | 2.5 (1.3, 4.3)    | 0.0000669 (0.0000353, 0.0001165) | 0.01028 (0.00567, 0.01688)  |
| Gorontalo | Other communicable diseases                   | 40  | 6.0 (4.1, 8.4)    | 0.0001575 (0.0001076, 0.0002201) | 0.04823 (0.03573, 0.06327)  | 8.8 (5.8, 12.7)   | 0.0002397 (0.0001579, 0.0003456) | 0.0368 (0.02622, 0.04839)   |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 40  | 0.4 (0.1, 1.0)    | 0.0000117 (0.0000037, 0.0000262) | 0.00359 (0.00124, 0.00796)  | 0.5 (0.2, 1.0)    | 0.0000131 (0.0000047, 0.0000283) | 0.00202 (0.00075, 0.00436)  |
| Gorontalo | Breast cancer                                 | 40  | 0.1 (0.0, 0.2)    | 0.0000015 (0.0000003, 0.0000045) | 0.00046 (0.00011, 0.00134)  | 16.0 (10.5, 22.4) | 0.0004342 (0.0002843, 0.0006090) | 0.06672 (0.04676, 0.08818)  |
| Gorontalo | Cervical cancer                               | 40  |                   |                                  |                             | 8.6 (4.8, 13.8)   | 0.0002326 (0.0001308, 0.0003742) | 0.03577 (0.02071, 0.05529)  |
| Gorontalo | Other malignant neoplasms                     | 40  | 6.6 (4.8, 8.8)    | 0.0001735 (0.0001258, 0.0002319) | 0.05312 (0.04185, 0.06580)  | 8.7 (5.5, 12.8)   | 0.0002365 (0.0001484, 0.0003496) | 0.03637 (0.02436, 0.05055)  |
| Gorontalo | Cerebrovascular disease                       | 40  | 17.1 (13.5, 21.6) | 0.0004494 (0.0003545, 0.0005674) | 0.13773 (0.11972, 0.15582)  | 35.7 (27.5, 45.1) | 0.0009717 (0.0007483, 0.0012280) | 0.14933 (0.13258, 0.16643)  |
| Gorontalo | Ischemic heart disease                        | 40  | 13.5 (10.2, 17.3) | 0.0003537 (0.0002682, 0.0004549) | 0.10834 (0.09335, 0.12474)  | 19.1 (14.4, 25.2) | 0.0005186 (0.0003913, 0.0006849) | 0.07968 (0.06754, 0.09340)  |
| Gorontalo | Other cardiovascular and circulatory diseases | 40  | 1.7 (1.1, 2.6)    | 0.0000454 (0.0000288, 0.0000683) | 0.0139 (0.00943, 0.01938)   | 4.9 (3.2, 7.1)    | 0.0001328 (0.0000869, 0.0001932) | 0.02041 (0.01419, 0.02740)  |
| Gorontalo | Diabetes mellitus                             | 40  | 4.2 (3.0, 5.7)    | 0.00011 (0.0000787, 0.0001497)   | 0.0337 (0.02628, 0.04254)   | 16.7 (12.1, 22.7) | 0.0004551 (0.0003297, 0.0006178) | 0.06993 (0.05611, 0.08566)  |
| Gorontalo | Chronic kidney disease                        | 40  | 4.0 (2.8, 5.7)    | 0.0001043 (0.0000738, 0.0001500) | 0.03194 (0.02445, 0.04214)  | 8.6 (6.0, 12.2)   | 0.0002327 (0.0001633, 0.0003318) | 0.03576 (0.02728, 0.04838)  |
| Gorontalo | Cirrhosis                                     | 40  | 8.8 (6.4, 11.9)   | 0.000231 (0.0001676, 0.0003127)  | 0.07073 (0.05505, 0.08788)  | 11.2 (8.0, 15.3)  | 0.0003049 (0.0002175, 0.0004149) | 0.04685 (0.03614, 0.05912)  |
| Gorontalo | Chronic respiratory diseases                  | 40  | 6.3 (4.7, 8.5)    | 0.0001661 (0.0001235, 0.0002217) | 0.05091 (0.04029, 0.06194)  | 10.3 (7.4, 13.8)  | 0.0002802 (0.0002025, 0.0003757) | 0.04304 (0.03408, 0.05269)  |
| Gorontalo | Other non-communicable diseases               | 40  | 13.1 (10.1, 16.8) | 0.0003428 (0.0002658, 0.0004397) | 0.10502 (0.08950, 0.12235)  | 28.4 (21.2, 36.8) | 0.0007731 (0.0005773, 0.0010003) | 0.11878 (0.10186, 0.13659)  |
| Gorontalo | Drowning                                      | 40  | 1.7 (0.8, 2.9)    | 0.000044 (0.0000220, 0.0000764)  | 0.01345 (0.00711, 0.02259)  | 0.9 (0.4, 1.6)    | 0.0000238 (0.0000112, 0.0000435) | 0.00365 (0.00179, 0.00655)  |
| Gorontalo | Falls                                         | 40  | 1.8 (1.0, 2.9)    | 0.0000463 (0.0000249, 0.0000768) | 0.01419 (0.00792, 0.02254)  | 1.3 (0.7, 2.3)    | 0.0000365 (0.0000189, 0.0000618) | 0.0056 (0.00310, 0.00900)   |
| Gorontalo | Interpersonal violence                        | 40  | 0.4 (0.2, 0.6)    | 0.0000095 (0.0000052, 0.0000158) | 0.0029 (0.00165, 0.00461)   | 0.6 (0.3, 0.9)    | 0.0000153 (0.0000078, 0.0000251) | 0.00235 (0.00128, 0.00387)  |
| Gorontalo | Self-harm                                     | 40  | 0.6 (0.3, 1.1)    | 0.0000164 (0.0000083, 0.0000281) | 0.00501 (0.00262, 0.00847)  | 0.9 (0.4, 1.5)    | 0.0000233 (0.0000118, 0.0000417) | 0.00358 (0.00188, 0.00637)  |
| Gorontalo | Transport injuries                            | 40  | 4.9 (3.3, 7.1)    | 0.0001291 (0.0000858, 0.0001866) | 0.03955 (0.02783, 0.05324)  | 2.9 (1.8, 4.4)    | 0.0000801 (0.0000498, 0.0001201) | 0.01231 (0.00814, 0.01746)  |
| Gorontalo | Other unintentional injuries                  | 40  | 2.5 (1.6, 4.0)    | 0.0000665 (0.0000408, 0.0001039) | 0.02035 (0.01283, 0.03047)  | 2.0 (1.2, 3.2)    | 0.0000558 (0.0000339, 0.0000875) | 0.00857 (0.00556, 0.01301)  |
| Gorontalo | Diarrheal diseases                            | 45  | 4.2 (2.8, 5.9)    | 0.0001347 (0.0000898, 0.0001902) | 0.02992 (0.02090, 0.04018)  | 10.7 (7.4, 14.8)  | 0.0003513 (0.0002439, 0.0004860) | 0.03631 (0.02655, 0.04709)  |
| Gorontalo | HIV/AIDS                                      | 45  | 0.2 (0.1, 0.5)    | 0.0000068 (0.0000020, 0.0000165) | 0.0015 (0.00044, 0.00359)   | 0.4 (0.1, 1.0)    | 0.0000144 (0.0000040, 0.0000339) | 0.00148 (0.00042, 0.00350)  |
| Gorontalo | Lower respiratory infections                  | 45  | 1.6 (1.0, 2.4)    | 0.0000505 (0.0000316, 0.0000784) | 0.01121 (0.00741, 0.01608)  | 2.5 (1.6, 3.8)    | 0.0000839 (0.0000525, 0.0001249) | 0.00867 (0.00575, 0.01255)  |
| Gorontalo | Malaria                                       | 45  | 1.8 (0.9, 3.0)    | 0.0000572 (0.0000304, 0.0000966) | 0.01271 (0.00695, 0.02034)  | 3.4 (1.8, 5.8)    | 0.0001124 (0.0000588, 0.0001898) | 0.01162 (0.00626, 0.01877)  |
| Gorontalo | Tuberculosis                                  | 45  | 23.4 (18.3, 29.5) | 0.0007531 (0.0005867, 0.0009479) | 0.16733 (0.14857, 0.18673)  | 40.7 (32.7, 51.0) | 0.0013405 (0.0010763, 0.0016788) | 0.13861 (0.12165, 0.15609)  |
| Gorontalo | Maternal disorders                            | 45  |                   |                                  |                             | 0.5 (0.2, 1.0)    | 0.0000173 (0.0000071, 0.0000332) | 0.00178 (0.00077, 0.00333)  |
| Gorontalo | Other communicable diseases                   | 45  | 4.8 (3.3, 6.8)    | 0.0001539 (0.0001050, 0.0002178) | 0.03419 (0.02500, 0.04506)  | 8.2 (5.6, 11.6)   | 0.0002706 (0.0001836, 0.0003806) | 0.02797 (0.02013, 0.03764)  |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 45  | 0.6 (0.2, 1.2)    | 0.0000191 (0.0000068, 0.0000392) | 0.00424 (0.00160, 0.00854)  | 0.6 (0.2, 1.3)    | 0.0000202 (0.0000074, 0.0000438) | 0.00209 (0.00079, 0.00441)  |
| Gorontalo | Breast cancer                                 | 45  | 0.1 (0.0, 0.2)    | 0.0000026 (0.0000008, 0.0000060) | 0.00057 (0.00019, 0.00128)  | 17.2 (11.6, 23.4) | 0.0005644 (0.0003827, 0.0007689) | 0.05835 (0.04300, 0.07500)  |
| Gorontalo | Cervical cancer                               | 45  |                   |                                  |                             | 8.0 (4.5, 13.0)   | 0.0002632 (0.0001469, 0.0004287) | 0.02721 (0.01572, 0.04198)  |
| Gorontalo | Other malignant neoplasms                     | 45  | 6.3 (4.5, 8.4)    | 0.0002015 (0.0001459, 0.0002684) | 0.04476 (0.03539, 0.05563)  | 8.7 (5.4, 12.8)   | 0.0002873 (0.0001782, 0.0004205) | 0.02972 (0.01941, 0.04135)  |
| Gorontalo | Cerebrovascular disease                       | 45  | 24.4 (19.1, 30.6) | 0.0007827 (0.0006146, 0.0009816) | 0.17395 (0.15572, 0.19417)  | 54.5 (43.8, 67.5) | 0.0017944 (0.0014402, 0.0022201) | 0.1855 (0.16718, 0.20521)   |
| Gorontalo | Ischemic heart disease                        | 45  | 17.6 (13.3, 22.7) | 0.0005669 (0.0004271, 0.0007305) | 0.1259 (0.10975, 0.14457)   | 26.4 (20.4, 34.1) | 0.00087 (0.0006727, 0.0011218)   | 0.08993 (0.07722, 0.10416)  |
| Gorontalo | Other cardiovascular and circulatory diseases | 45  | 2.3 (1.5, 3.4)    | 0.0000728 (0.0000476, 0.0001099) | 0.01616 (0.01119, 0.02239)  | 6.8 (4.5, 9.7)    | 0.0002233 (0.0001479, 0.0003203) | 0.02308 (0.01633, 0.03083)  |
| Gorontalo | Diabetes mellitus                             | 45  | 6.9 (5.0, 9.2)    | 0.0002208 (0.0001603, 0.0002945) | 0.04905 (0.03912, 0.06098)  | 28.5 (21.8, 37.7) | 0.0009377 (0.0007164, 0.0012400) | 0.0969 (0.07960, 0.11911)   |
| Gorontalo | Chronic kidney disease                        | 45  | 4.4 (3.0, 6.2)    | 0.0001401 (0.0000965, 0.0002007) | 0.03112 (0.02407, 0.04054)  | 9.8 (7.0, 13.7)   | 0.0003222 (0.0002295, 0.0004517) | 0.03331 (0.02548, 0.04371)  |
| Gorontalo | Cirrhosis                                     | 45  | 9.1 (6.4, 12.1)   | 0.0002916 (0.0002067, 0.0003903) | 0.06475 (0.05091, 0.07961)  | 12.5 (8.9, 16.9)  | 0.0004104 (0.0002925, 0.0005562) | 0.04241 (0.03250, 0.05343)  |
| Gorontalo | Chronic respiratory diseases                  | 45  | 8.2 (6.1, 10.8)   | 0.000264 (0.0001958, 0.0003473)  | 0.05867 (0.04818, 0.07049)  | 14.3 (10.7, 18.6) | 0.00047 (0.0003532, 0.0006123)   | 0.04857 (0.03952, 0.05920)  |
| Gorontalo | Other non-communicable diseases               | 45  | 13.3 (10.0, 17.4) | 0.0004288 (0.0003228, 0.0005594) | 0.09526 (0.08081, 0.11180)  | 31.2 (23.9, 40.0) | 0.001025 (0.0007864, 0.0013143)  | 0.10595 (0.09014, 0.12247)  |
| Gorontalo | Drowning                                      | 45  | 1.1 (0.5, 2.0)    | 0.0000348 (0.0000157, 0.0000637) | 0.00772 (0.00375, 0.01426)  | 0.7 (0.3, 1.3)    | 0.0000219 (0.0000097, 0.0000425) | 0.00226 (0.00104, 0.00425)  |
| Gorontalo | Falls                                         | 45  | 1.9 (1.0, 3.0)    | 0.0000606 (0.0000325, 0.0000978) | 0.01347 (0.00750, 0.02063)  | 1.6 (0.9, 2.7)    | 0.0000541 (0.0000283, 0.0000883) | 0.00559 (0.00307, 0.00869)  |
| Gorontalo | Interpersonal violence                        | 45  | 0.3 (0.2, 0.5)    | 0.00001 (0.0000058, 0.0000169)   | 0.00222 (0.00132, 0.00359)  | 0.5 (0.3, 0.8)    | 0.0000168 (0.0000090, 0.0000278) | 0.00174 (0.00093, 0.00284)  |
| Gorontalo | Self-harm                                     | 45  | 0.6 (0.3, 1.1)    | 0.0000198 (0.0000099, 0.0000350) | 0.0044 (0.00237, 0.00736)   | 0.9 (0.4, 1.5)    | 0.000029 (0.0000148, 0.0000501)  | 0.003 (0.00157, 0.00523)    |
| Gorontalo | Transport injuries                            | 45  | 4.8 (3.2, 6.8)    | 0.0001541 (0.0001041, 0.0002200) | 0.03423 (0.02439, 0.04590)  | 3.2 (2.0, 4.7)    | 0.0001055 (0.0000673, 0.0001546) | 0.0109 (0.00734, 0.01521)   |
| Gorontalo | Other unintentional injuries                  | 45  | 2.3 (1.4, 3.7)    | 0.000075 (0.0000459, 0.0001175)  | 0.01668 (0.01064, 0.02479)  | 2.1 (1.3, 3.3)    | 0.000068 (0.0000420, 0.0001074)  | 0.00704 (0.00451, 0.01070)  |
| Gorontalo | Diarrheal diseases                            | 50  | 5.3 (3.6, 7.5)    | 0.0002138 (0.0001445, 0.0003020) | 0.03097 (0.02309, 0.03977)  | 13.2 (9.5, 17.7)  | 0.0005305 (0.0003828, 0.0007136) | 0.03743 (0.02881, 0.04701)  |
| Gorontalo | HIV/AIDS                                      | 50  | 0.1 (0.0, 0.2)    | 0.0000037 (0.0000009, 0.0000096) | 0.00054 (0.000014, 0.00137) | 0.2 (0.0, 0.5)    | 0.0000076 (0.0000018, 0.0000196) | 0.00054 (0.000014, 0.00135) |
| Gorontalo | Lower respiratory infections                  | 50  | 2.0 (1.2, 3.1)    | 0.0000803 (0.0000496, 0.0001262) | 0.01163 (0.00768, 0.01706)  | 3.3 (2.1, 4.8)    | 0.0001311 (0.0000838, 0.0001948) | 0.00925 (0.00616, 0.01343)  |
| Gorontalo | Malaria                                       | 50  | 1.8 (1.0, 3.1)    | 0.0000737 (0.0000399, 0.0001231) | 0.01069 (0.00607, 0.01647)  | 3.4 (1.8, 5.7)    | 0.0001352 (0.0000719, 0.0002281) | 0.00953 (0.00527, 0.01537)  |
| Gorontalo | Tuberculosis                                  | 50  | 27.4 (21.2, 34.4) | 0.0010989 (0.0008526, 0.0013832) | 0.15937 (0.14293, 0.17645)  | 46.4 (37.4, 57.4) | 0.0018699 (0.0015071, 0.0023140) | 0.13197 (0.11666, 0.14700)  |
| Gorontalo | Maternal disorders                            | 50  |                   |                                  |                             | 0.2 (0.0, 0.4)    | 0.000007 (0.0000020, 0.0000177)  | 0.00049 (0.00014, 0.00123)  |
| Gorontalo | Other communicable diseases                   | 50  | 4.5 (3.1, 6.4)    | 0.000182 (0.0001250, 0.0002561)  | 0.0264 (0.01941, 0.03461)   | 7.6 (5.1, 10.9)   | 0.0003075 (0.0002056, 0.0004394) | 0.02168 (0.01540, 0.02871)  |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 50  | 0.8 (0.3, 1.6)    | 0.0000304 (0.0000114, 0.0000646) | 0.0044 (0.00174, 0.00903)   | 0.7 (0.3, 1.5)    | 0.0000283 (0.0000102, 0.0000600) | 0.002 (0.00074, 0.00423)    |
| Gorontalo | Breast cancer                                 | 50  | 0.1 (0.0, 0.2)    | 0.0000037 (0.0000015, 0.0000076) | 0.00054 (0.00022, 0.00109)  | 16.0 (10.9, 22.1) | 0.0006455 (0.0004390, 0.0008893) | 0.04556 (0.03279, 0.06024)  |
| Gorontalo | Cervical cancer                               | 50  |                   |                                  |                             | 6.7 (3.7, 11.2)   | 0.000271 (0.0001495, 0.0004496)  | 0.01913 (0.01081, 0.03034)  |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males             |                                  |                            | Females             |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo | Other malignant neoplasms                     | 50  | 6.1 (4.4, 8.3)    | 0.0002468 (0.0001787, 0.0003346) | 0.03578 (0.02822, 0.04451) | 9.3 (5.8, 13.7)     | 0.0003747 (0.0002356, 0.0005529) | 0.02646 (0.01756, 0.03695) |
| Gorontalo | Cerebrovascular disease                       | 50  | 35.2 (27.6, 44.3) | 0.0014135 (0.0011080, 0.0017791) | 0.20506 (0.18665, 0.22679) | 75.8 (61.5, 92.8)   | 0.0030551 (0.0024784, 0.0037402) | 0.21563 (0.19679, 0.23656) |
| Gorontalo | Ischemic heart disease                        | 50  | 23.3 (17.9, 30.1) | 0.0009364 (0.0007175, 0.0012111) | 0.13579 (0.11930, 0.15592) | 33.7 (26.1, 42.8)   | 0.0013564 (0.0010519, 0.0017229) | 0.09574 (0.08191, 0.11182) |
| Gorontalo | Other cardiovascular and circulatory diseases | 50  | 3.3 (2.2, 5.0)    | 0.0001332 (0.0000885, 0.0001998) | 0.01931 (0.01363, 0.02611) | 9.5 (6.4, 13.4)     | 0.0003827 (0.0002595, 0.0005396) | 0.027 (0.01930, 0.03632)   |
| Gorontalo | Diabetes mellitus                             | 50  | 10.1 (7.3, 13.4)  | 0.0004046 (0.0002944, 0.0005388) | 0.05866 (0.04788, 0.07163) | 39.6 (30.4, 52.0)   | 0.0015965 (0.0012245, 0.0020957) | 0.11261 (0.09465, 0.13482) |
| Gorontalo | Chronic kidney disease                        | 50  | 5.1 (3.6, 7.3)    | 0.0002051 (0.0001441, 0.0002917) | 0.02974 (0.02290, 0.03889) | 10.9 (7.7, 15.2)    | 0.0004399 (0.0003116, 0.0006125) | 0.03106 (0.02342, 0.04095) |
| Gorontalo | Cirrhosis                                     | 50  | 10.0 (7.1, 13.6)  | 0.0004036 (0.0002855, 0.0005477) | 0.0585 (0.04539, 0.07211)  | 13.4 (9.6, 18.1)    | 0.0005384 (0.0003868, 0.0007291) | 0.038 (0.02909, 0.04717)   |
| Gorontalo | Chronic respiratory diseases                  | 50  | 12.0 (9.1, 15.8)  | 0.0004838 (0.0003655, 0.0006365) | 0.07019 (0.05848, 0.08210) | 20.1 (15.3, 25.9)   | 0.0008083 (0.0006161, 0.0010444) | 0.05705 (0.04694, 0.06866) |
| Gorontalo | Other non-communicable diseases               | 50  | 15.4 (11.7, 19.7) | 0.0006188 (0.0004693, 0.0007920) | 0.08977 (0.07617, 0.10447) | 34.6 (27.1, 44.0)   | 0.0013954 (0.0010917, 0.0017742) | 0.09848 (0.08296, 0.11410) |
| Gorontalo | Drowning                                      | 50  | 0.7 (0.3, 1.3)    | 0.0000281 (0.0000130, 0.0000513) | 0.00407 (0.00201, 0.00745) | 0.4 (0.2, 0.8)      | 0.0000171 (0.0000075, 0.0000332) | 0.0012 (0.00055, 0.00224)  |
| Gorontalo | Falls                                         | 50  | 2.0 (1.1, 3.2)    | 0.00008 (0.0000431, 0.0001298)   | 0.01159 (0.00644, 0.01737) | 1.7 (0.9, 2.7)      | 0.0000679 (0.0000361, 0.0001096) | 0.00479 (0.00261, 0.00736) |
| Gorontalo | Interpersonal violence                        | 50  | 0.3 (0.1, 0.4)    | 0.0000104 (0.0000058, 0.0000176) | 0.0015 (0.00086, 0.00253)  | 0.4 (0.2, 0.7)      | 0.0000159 (0.0000082, 0.0000277) | 0.00112 (0.00061, 0.00186) |
| Gorontalo | Self-harm                                     | 50  | 0.6 (0.3, 1.0)    | 0.0000233 (0.0000119, 0.0000405) | 0.00339 (0.00178, 0.00569) | 0.8 (0.4, 1.4)      | 0.0000309 (0.0000158, 0.0000546) | 0.00218 (0.00115, 0.00387) |
| Gorontalo | Transport injuries                            | 50  | 3.6 (2.4, 5.4)    | 0.000145 (0.0000948, 0.0002155)  | 0.02102 (0.01485, 0.02887) | 2.3 (1.4, 3.4)      | 0.0000928 (0.0000582, 0.0001377) | 0.00655 (0.00428, 0.00948) |
| Gorontalo | Other unintentional injuries                  | 50  | 1.9 (1.2, 3.0)    | 0.0000765 (0.0000465, 0.0001186) | 0.0111 (0.00716, 0.01629)  | 1.6 (1.0, 2.4)      | 0.0000644 (0.0000398, 0.0000987) | 0.00455 (0.00288, 0.00680) |
| Gorontalo | Diarrheal diseases                            | 55  | 5.7 (3.9, 8.0)    | 0.0002973 (0.0002042, 0.0004197) | 0.02965 (0.02229, 0.03831) | 13.6 (9.8, 18.5)    | 0.0007752 (0.0005568, 0.0010534) | 0.03724 (0.02869, 0.04780) |
| Gorontalo | HIV/AIDS                                      | 55  | - (0.0, 0.1)      | 0.0000021 (0.0000005, 0.0000056) | 0.00021 (0.00005, 0.00053) | 0.1 (0.0, 0.2)      | 0.0000045 (0.0000011, 0.0000114) | 0.00022 (0.00005, 0.00054) |
| Gorontalo | Lower respiratory infections                  | 55  | 2.1 (1.3, 3.2)    | 0.0001092 (0.0000692, 0.0001695) | 0.01089 (0.00728, 0.01544) | 3.4 (2.1, 5.0)      | 0.0001925 (0.0001220, 0.0002840) | 0.00925 (0.00614, 0.01327) |
| Gorontalo | Malaria                                       | 55  | 2.0 (1.1, 3.2)    | 0.0001018 (0.0000571, 0.0001668) | 0.01016 (0.00583, 0.01546) | 3.2 (1.8, 5.4)      | 0.0001831 (0.0000999, 0.0003054) | 0.00879 (0.00478, 0.01419) |
| Gorontalo | Tuberculosis                                  | 55  | 27.1 (20.8, 34.5) | 0.0014134 (0.0010849, 0.0017992) | 0.14109 (0.12607, 0.15734) | 42.2 (33.7, 52.1)   | 0.0024034 (0.0019164, 0.0029630) | 0.11552 (0.10186, 0.13055) |
| Gorontalo | Other communicable diseases                   | 55  | 4.1 (2.8, 5.9)    | 0.0002159 (0.0001437, 0.0003093) | 0.02154 (0.01567, 0.02846) | 6.9 (4.2, 9.6)      | 0.0003915 (0.0002640, 0.0005467) | 0.0188 (0.01324, 0.02503)  |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 55  | 0.9 (0.3, 1.8)    | 0.0000459 (0.0000172, 0.0000936) | 0.00458 (0.00189, 0.00910) | 0.6 (0.6, 1.3)      | 0.000034 (0.0000124, 0.0000722)  | 0.00164 (0.00060, 0.00339) |
| Gorontalo | Breast cancer                                 | 55  | 0.1 (0.0, 0.2)    | 0.000005 (0.0000021, 0.0000095)  | 0.0005 (0.00022, 0.00092)  | 12.3 (8.2, 17.0)    | 0.0007004 (0.0004661, 0.0009665) | 0.03365 (0.02402, 0.04505) |
| Gorontalo | Cervical cancer                               | 55  |                   |                                  |                            | 4.7 (2.6, 8.0)      | 0.0002672 (0.0001452, 0.0004560) | 0.01284 (0.00712, 0.02114) |
| Gorontalo | Other malignant neoplasms                     | 55  | 5.4 (3.8, 7.4)    | 0.0002817 (0.0001981, 0.0003856) | 0.0281 (0.02225, 0.03497)  | 8.1 (5.2, 11.7)     | 0.0004626 (0.0002949, 0.0006649) | 0.02225 (0.01461, 0.03082) |
| Gorontalo | Cerebrovascular disease                       | 55  | 44.5 (34.3, 56.4) | 0.0023235 (0.0017882, 0.0029412) | 0.23192 (0.21239, 0.25278) | 89.8 (72.8, 108.6)  | 0.0051129 (0.0041418, 0.0061803) | 0.24575 (0.22494, 0.26741) |
| Gorontalo | Ischemic heart disease                        | 55  | 29.2 (22.1, 37.7) | 0.0015256 (0.0011512, 0.0019669) | 0.1522 (0.13508, 0.17136)  | 39.5 (31.0, 49.3)   | 0.0022461 (0.0017659, 0.0028058) | 0.10796 (0.09357, 0.12382) |
| Gorontalo | Other cardiovascular and circulatory diseases | 55  | 4.2 (2.8, 6.2)    | 0.0002205 (0.0001478, 0.0003247) | 0.022 (0.01568, 0.02930)   | 11.0 (7.5, 15.0)    | 0.0006265 (0.0004294, 0.0008525) | 0.0301 (0.02144, 0.03973)  |
| Gorontalo | Diabetes mellitus                             | 55  | 12.0 (8.7, 16.0)  | 0.0006239 (0.0004551, 0.0008327) | 0.06223 (0.05085, 0.07520) | 42.8 (33.1, 55.5)   | 0.0024369 (0.0018831, 0.0031564) | 0.11708 (0.09928, 0.13957) |
| Gorontalo | Chronic kidney disease                        | 55  | 5.6 (3.9, 8.2)    | 0.0002937 (0.0002039, 0.0004268) | 0.0293 (0.02263, 0.03830)  | 10.9 (7.7, 15.1)    | 0.0006148 (0.0004356, 0.0008602) | 0.02955 (0.02237, 0.03926) |
| Gorontalo | Cirrhosis                                     | 55  | 9.7 (6.7, 13.4)   | 0.0005041 (0.0003491, 0.0006991) | 0.05026 (0.03931, 0.06238) | 12.1 (8.7, 16.3)    | 0.0006905 (0.0004932, 0.0009266) | 0.03319 (0.02512, 0.04196) |
| Gorontalo | Chronic respiratory diseases                  | 55  | 14.9 (11.1, 19.5) | 0.0007754 (0.0005775, 0.0010196) | 0.07739 (0.06491, 0.08913) | 22.3 (17.2, 28.7)   | 0.0012715 (0.0009765, 0.0016345) | 0.06111 (0.05056, 0.07212) |
| Gorontalo | Other non-communicable diseases               | 55  | 17.6 (13.3, 22.9) | 0.0009191 (0.0006914, 0.0011938) | 0.09175 (0.07886, 0.10635) | 36.7 (28.9, 46.0)   | 0.0020886 (0.0016430, 0.0026183) | 0.10036 (0.08575, 0.11606) |
| Gorontalo | Drowning                                      | 55  | 0.4 (0.2, 0.9)    | 0.000023 (0.0000102, 0.0000457)  | 0.0023 (0.00103, 0.00442)  | 0.3 (0.1, 0.6)      | 0.0000157 (0.0000064, 0.0000318) | 0.00075 (0.00032, 0.00150) |
| Gorontalo | Falls                                         | 55  | 1.9 (1.1, 3.1)    | 0.0001015 (0.0000565, 0.0001614) | 0.01012 (0.00615, 0.01492) | 1.6 (1.0, 2.5)      | 0.0000924 (0.0000543, 0.0001416) | 0.00444 (0.00271, 0.00667) |
| Gorontalo | Interpersonal violence                        | 55  | 0.2 (0.1, 0.4)    | 0.0000111 (0.0000058, 0.0000190) | 0.00111 (0.00059, 0.00184) | 0.3 (0.1, 0.5)      | 0.0000161 (0.0000079, 0.0000286) | 0.00078 (0.00038, 0.00137) |
| Gorontalo | Self-harm                                     | 55  | 0.6 (0.3, 1.0)    | 0.0000292 (0.0000148, 0.0000518) | 0.00292 (0.00155, 0.00494) | 0.6 (0.3, 1.1)      | 0.0000359 (0.0000186, 0.0000639) | 0.00173 (0.00089, 0.00303) |
| Gorontalo | Transport injuries                            | 55  | 2.3 (1.4, 3.4)    | 0.0001184 (0.0000717, 0.0001774) | 0.01181 (0.00779, 0.01668) | 1.4 (0.8, 2.0)      | 0.0000782 (0.0000470, 0.0001161) | 0.00376 (0.00230, 0.00547) |
| Gorontalo | Other unintentional injuries                  | 55  | 1.5 (0.9, 2.4)    | 0.0000799 (0.0000479, 0.0001253) | 0.00797 (0.00521, 0.01187) | 1.2 (0.7, 1.9)      | 0.0000673 (0.0000395, 0.0001059) | 0.00324 (0.00198, 0.00498) |
| Gorontalo | Diarrheal diseases                            | 60  | 6.5 (4.5, 8.9)    | 0.0005156 (0.0003571, 0.0007096) | 0.02959 (0.02279, 0.03747) | 15.4 (11.4, 20.4)   | 0.0011052 (0.0008201, 0.0014615) | 0.03563 (0.02822, 0.04471) |
| Gorontalo | HIV/AIDS                                      | 60  | - (0.0, 0.1)      | 0.0000024 (0.0000005, 0.0000066) | 0.00014 (0.00003, 0.00037) | 0.1 (0.0, 0.2)      | 0.0000044 (0.0000009, 0.0000115) | 0.00014 (0.00003, 0.00037) |
| Gorontalo | Lower respiratory infections                  | 60  | 3.0 (1.9, 4.5)    | 0.0002374 (0.0001507, 0.0003558) | 0.01362 (0.00928, 0.01872) | 5.1 (3.3, 7.4)      | 0.0003667 (0.0002382, 0.0005324) | 0.01182 (0.00804, 0.01669) |
| Gorontalo | Malaria                                       | 60  | 2.1 (1.2, 3.4)    | 0.0001676 (0.0000981, 0.0002722) | 0.00964 (0.00579, 0.01447) | 3.5 (1.9, 5.8)      | 0.0002483 (0.0001356, 0.0004153) | 0.008 (0.00446, 0.01302)   |
| Gorontalo | Tuberculosis                                  | 60  | 33.8 (26.1, 42.6) | 0.0026959 (0.0020837, 0.0033963) | 0.15481 (0.14001, 0.17072) | 56.6 (46.4, 68.4)   | 0.0040568 (0.0033276, 0.0049017) | 0.1308 (0.11694, 0.14611)  |
| Gorontalo | Other communicable diseases                   | 60  | 3.3 (2.2, 4.8)    | 0.0002668 (0.0001759, 0.0003810) | 0.01533 (0.01097, 0.02069) | 5.5 (3.8, 8.1)      | 0.0003977 (0.0002705, 0.0005805) | 0.01281 (0.00891, 0.01756) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 60  | 0.9 (0.3, 1.8)    | 0.0000703 (0.0000267, 0.0001438) | 0.00403 (0.00163, 0.00787) | 0.6 (0.2, 1.3)      | 0.000044 (0.0000163, 0.0000954)  | 0.00142 (0.00054, 0.00301) |
| Gorontalo | Breast cancer                                 | 60  | 0.1 (0.0, 0.2)    | 0.0000071 (0.0000030, 0.0000134) | 0.00041 (0.00018, 0.00078) | 10.2 (6.8, 14.7)    | 0.0007333 (0.0004905, 0.0010523) | 0.02364 (0.01650, 0.03262) |
| Gorontalo | Cervical cancer                               | 60  |                   |                                  |                            | 4.0 (2.0, 6.6)      | 0.0002833 (0.0001457, 0.0004737) | 0.00914 (0.00485, 0.01509) |
| Gorontalo | Other malignant neoplasms                     | 60  | 5.3 (3.8, 7.2)    | 0.0004245 (0.0002999, 0.0005733) | 0.02437 (0.01941, 0.03031) | 9.2 (6.1, 13.1)     | 0.0006603 (0.0004358, 0.0009402) | 0.02129 (0.01450, 0.02891) |
| Gorontalo | Cerebrovascular disease                       | 60  | 52.1 (40.1, 64.5) | 0.0041489 (0.0031947, 0.0051414) | 0.23827 (0.21926, 0.25851) | 110.9 (91.9, 131.6) | 0.0079504 (0.0065932, 0.0094344) | 0.25633 (0.23545, 0.27766) |
| Gorontalo | Ischemic heart disease                        | 60  | 30.9 (23.6, 39.3) | 0.0024664 (0.0018773, 0.0031323) | 0.14156 (0.12491, 0.15977) | 46.8 (37.2, 57.9)   | 0.0033566 (0.0026674, 0.0041512) | 0.10823 (0.09305, 0.12449) |
| Gorontalo | Other cardiovascular and circulatory diseases | 60  | 5.0 (3.3, 7.4)    | 0.0004023 (0.0002632, 0.0005896) | 0.02309 (0.01658, 0.03068) | 13.4 (9.3, 18.4)    | 0.0009645 (0.0006676, 0.0013166) | 0.03109 (0.02215, 0.04018) |
| Gorontalo | Diabetes mellitus                             | 60  | 11.5 (8.4, 15.3)  | 0.0009149 (0.0006673, 0.0012232) | 0.05252 (0.04315, 0.06389) | 43.6 (34.6, 55.7)   | 0.0031253 (0.0024786, 0.0039970) | 0.10073 (0.08520, 0.12130) |
| Gorontalo | Chronic kidney disease                        | 60  | 5.6 (4.0, 7.9)    | 0.0004476 (0.0003173, 0.0006335) | 0.02569 (0.01964, 0.03340) | 11.3 (8.3, 15.6)    | 0.0008131 (0.0005939, 0.0011187) | 0.02622 (0.01976, 0.03491) |
| Gorontalo | Cirrhosis                                     | 60  | 8.8 (6.2, 12.1)   | 0.0007051 (0.0004908, 0.0009682) | 0.04045 (0.03154, 0.05107) | 11.7 (8.3, 15.7)    | 0.0008364 (0.0005921, 0.0011232) | 0.02696 (0.02007, 0.03414) |
| Gorontalo | Chronic respiratory diseases                  | 60  | 22.3 (17.0, 28.3) | 0.0017774 (0.0013537, 0.0022557) | 0.10207 (0.08704, 0.11553) | 33.9 (26.6, 42.3)   | 0.0024315 (0.0019047, 0.0030351) | 0.07839 (0.06542, 0.09082) |
| Gorontalo | Other non-communicable diseases               | 60  | 21.2 (16.2, 27.4) | 0.0016895 (0.0012879, 0.0021866) | 0.09701 (0.08418, 0.11136) | 46.0 (36.7, 56.9)   | 0.0032964 (0.0026302, 0.0040794) | 0.10626 (0.09189, 0.12217) |
| Gorontalo | Drowning                                      | 60  | 0.3 (0.1, 0.7)    | 0.0000271 (0.0000110, 0.0000539) | 0.00156 (0.00065, 0.00307) | 0.2 (0.1, 0.5)      | 0.0000159 (0.0000061, 0.0000339) | 0.00051 (0.00020, 0.00106) |
| Gorontalo | Falls                                         | 60  | 1.7 (1.0, 2.7)    | 0.0001357 (0.0000762, 0.0002161) | 0.00779 (0.00459, 0.01171) | 1.5 (0.8, 2.3)      | 0.0001061 (0.0000597, 0.0001627) | 0.00342 (0.00203, 0.00517) |
| Gorontalo | Interpersonal violence                        | 60  | 0.2 (0.1, 0.3)    | 0.0000126 (0.0000062, 0.0000222) | 0.00073 (0.00039, 0.00122) | 0.2 (0.1, 0.4)      | 0.0000158 (0.0000076, 0.0000283) | 0.00051 (0.00025, 0.00092) |
| Gorontalo | Self-harm                                     | 60  | 0.5 (0.2, 0.9)    | 0.0000382 (0.0000194, 0.0000689) | 0.00219 (0.00116, 0.00378) | 0.6 (0.3, 1.0)      | 0.0000404 (0.0000202, 0.0000735) | 0.0013 (0.00066, 0.00235)  |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males             |                                  |                             | Females              |                                  |                            |
|-----------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|----------------------|----------------------------------|----------------------------|
|           |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Horontalo | Transport injuries                            | 60  | 2.0 (1.2, 3.1)    | 0.0001587 (0.0000959, 0.0002472) | 0.00911 (0.00608, 0.01313)  | 1.3 (0.8, 1.9)       | 0.00009 (0.0000547, 0.0001346)   | 0.0029 (0.00178, 0.00431)  |
| Horontalo | Other unintentional injuries                  | 60  | 1.3 (0.8, 2.0)    | 0.000105 (0.0000601, 0.0001631)  | 0.00603 (0.00385, 0.00899)  | 1.1 (0.6, 1.7)       | 0.000076 (0.0000428, 0.0001187)  | 0.00245 (0.00146, 0.00380) |
| Horontalo | Diarrheal diseases                            | 65  | 9.1 (6.4, 12.5)   | 0.0010854 (0.0007649, 0.0014904) | 0.04386 (0.03469, 0.05407)  | 22.5 (17.3, 29.2)    | 0.0024401 (0.0018681, 0.0031652) | 0.05316 (0.04314, 0.06509) |
| Horontalo | HIV/AIDS                                      | 65  | - (0.0, 0.1)      | 0.0000032 (0.0000007, 0.0000082) | 0.00013 (0.00003, 0.000032) | 0.1 (0.0, 0.1)       | 0.0000061 (0.0000013, 0.0000153) | 0.00013 (0.00003, 0.00033) |
| Horontalo | Lower respiratory infections                  | 65  | 3.2 (2.0, 4.9)    | 0.0003812 (0.0002388, 0.0005820) | 0.01541 (0.01043, 0.02123)  | 6.0 (3.9, 8.5)       | 0.0006535 (0.0004228, 0.0009236) | 0.01424 (0.00968, 0.01975) |
| Horontalo | Malaria                                       | 65  | 1.9 (1.1, 3.0)    | 0.0002224 (0.0001268, 0.0003632) | 0.00901 (0.00537, 0.01405)  | 3.0 (1.6, 4.8)       | 0.0003197 (0.0001762, 0.0005211) | 0.00696 (0.00382, 0.01107) |
| Horontalo | Tuberculosis                                  | 65  | 32.7 (25.1, 41.6) | 0.0039046 (0.0029989, 0.0049685) | 0.15794 (0.14273, 0.17465)  | 55.2 (45.0, 66.5)    | 0.0059731 (0.0048774, 0.0072020) | 0.13018 (0.11582, 0.14630) |
| Horontalo | Other communicable diseases                   | 65  | 2.8 (1.8, 4.0)    | 0.0003313 (0.0002110, 0.0004812) | 0.01341 (0.00935, 0.01839)  | 4.9 (3.2, 7.0)       | 0.0005346 (0.0003435, 0.0007614) | 0.01164 (0.00765, 0.01605) |
| Horontalo | Tracheal, bronchus, and lung cancer           | 65  | 0.7 (0.3, 1.5)    | 0.0000844 (0.0000319, 0.0001784) | 0.00341 (0.00133, 0.00684)  | 0.4 (0.2, 1.0)       | 0.0000487 (0.0000178, 0.0001062) | 0.00106 (0.00040, 0.00222) |
| Horontalo | Breast cancer                                 | 65  | 0.1 (0.0, 0.1)    | 0.0000077 (0.0000029, 0.0000161) | 0.00031 (0.00012, 0.00064)  | 6.6 (4.3, 9.6)       | 0.0007134 (0.0004657, 0.0010433) | 0.01555 (0.01049, 0.02230) |
| Horontalo | Cervical cancer                               | 65  |                   |                                  |                             | 2.7 (1.4, 4.7)       | 0.0002962 (0.0001466, 0.0005134) | 0.00645 (0.00331, 0.01095) |
| Horontalo | Other malignant neoplasms                     | 65  | 3.9 (2.7, 5.2)    | 0.0004614 (0.0003270, 0.0006272) | 0.01866 (0.01480, 0.02334)  | 8.2 (5.5, 11.4)      | 0.0008832 (0.0005929, 0.0012323) | 0.01925 (0.01307, 0.02620) |
| Horontalo | Cerebrovascular disease                       | 65  | 50.1 (38.4, 62.6) | 0.0059931 (0.0045937, 0.0074837) | 0.24244 (0.22265, 0.26282)  | 113.0 (94.5, 133.9)  | 0.0122315 (0.0102347, 0.0145039) | 0.26655 (0.24506, 0.28821) |
| Horontalo | Ischemic heart disease                        | 65  | 27.8 (21.0, 35.6) | 0.0033285 (0.0025085, 0.0042521) | 0.13459 (0.11880, 0.15117)  | 43.5 (34.4, 53.2)    | 0.0047068 (0.0037259, 0.0057609) | 0.10259 (0.08787, 0.11869) |
| Horontalo | Other cardiovascular and circulatory diseases | 65  | 5.2 (3.4, 7.5)    | 0.0006208 (0.0004098, 0.0008968) | 0.0251 (0.01826, 0.03287)   | 14.3 (10.0, 19.4)    | 0.001543 (0.0010803, 0.0020980)  | 0.03363 (0.02396, 0.04352) |
| Horontalo | Diabetes mellitus                             | 65  | 8.5 (6.1, 11.5)   | 0.001017 (0.0007333, 0.0013710)  | 0.04111 (0.03364, 0.04982)  | 33.9 (26.7, 43.4)    | 0.0036677 (0.0028913, 0.0046984) | 0.07991 (0.06680, 0.09615) |
| Horontalo | Chronic kidney disease                        | 65  | 4.9 (3.4, 6.9)    | 0.000583 (0.0004087, 0.0008305)  | 0.02358 (0.01817, 0.03070)  | 10.0 (7.3, 13.8)     | 0.0010863 (0.0007874, 0.0014932) | 0.02368 (0.01789, 0.03130) |
| Horontalo | Cirrhosis                                     | 65  | 6.4 (4.4, 8.9)    | 0.0007633 (0.0005232, 0.0010693) | 0.03085 (0.02342, 0.03895)  | 9.1 (6.4, 12.2)      | 0.0009855 (0.0006917, 0.0013203) | 0.02148 (0.01592, 0.02717) |
| Horontalo | Chronic respiratory diseases                  | 65  | 22.9 (17.4, 29.3) | 0.0027374 (0.0020838, 0.0035068) | 0.11074 (0.09647, 0.12521)  | 36.5 (29.4, 45.1)    | 0.0039517 (0.0031785, 0.0048886) | 0.08612 (0.07310, 0.09860) |
| Horontalo | Other non-communicable diseases               | 65  | 22.0 (16.4, 28.5) | 0.0026251 (0.0019619, 0.0034115) | 0.10618 (0.09231, 0.12088)  | 49.8 (40.0, 61.2)    | 0.0053891 (0.0043292, 0.0066316) | 0.11743 (0.10113, 0.13313) |
| Horontalo | Drowning                                      | 65  | 0.2 (0.1, 0.5)    | 0.0000289 (0.0000107, 0.0000619) | 0.00117 (0.00045, 0.00245)  | 0.2 (0.1, 0.4)       | 0.0000204 (0.0000074, 0.0000441) | 0.00044 (0.00016, 0.00093) |
| Horontalo | Falls                                         | 65  | 1.6 (0.9, 2.5)    | 0.0001864 (0.0001058, 0.0002962) | 0.00754 (0.00456, 0.01119)  | 1.5 (0.9, 2.3)       | 0.0001675 (0.0000982, 0.0002519) | 0.00365 (0.00224, 0.00550) |
| Horontalo | Interpersonal violence                        | 65  | 0.1 (0.1, 0.2)    | 0.0000132 (0.0000060, 0.0000256) | 0.00053 (0.00025, 0.00097)  | 0.2 (0.1, 0.3)       | 0.0000164 (0.0000071, 0.0000312) | 0.00036 (0.00016, 0.00067) |
| Horontalo | Self-harm                                     | 65  | 0.4 (0.2, 0.7)    | 0.0000459 (0.0000223, 0.0000865) | 0.00186 (0.00096, 0.00331)  | 0.4 (0.2, 0.8)       | 0.0000471 (0.0000226, 0.0000870) | 0.00103 (0.00052, 0.00188) |
| Horontalo | Transport injuries                            | 65  | 1.5 (0.8, 2.3)    | 0.0001743 (0.0000989, 0.0002748) | 0.00704 (0.00439, 0.01037)  | 1.0 (0.6, 1.6)       | 0.0001093 (0.0000633, 0.0001716) | 0.00238 (0.00143, 0.00370) |
| Horontalo | Other unintentional injuries                  | 65  | 1.1 (0.6, 1.7)    | 0.0001273 (0.0000734, 0.0002079) | 0.00515 (0.00320, 0.00785)  | 0.9 (0.5, 1.4)       | 0.0000979 (0.0000569, 0.0001559) | 0.00213 (0.00126, 0.00337) |
| Horontalo | Diarrheal diseases                            | 70  | 10.8 (7.8, 14.5)  | 0.0023076 (0.0016696, 0.0030953) | 0.0578 (0.04801, 0.06906)   | 34.2 (27.3, 42.9)    | 0.0050803 (0.0040527, 0.0063718) | 0.07064 (0.05931, 0.08349) |
| Horontalo | HIV/AIDS                                      | 70  | - (0.0, 0.1)      | 0.0000067 (0.0000014, 0.0000182) | 0.00017 (0.00004, 0.00046)  | 0.1 (0.0, 0.2)       | 0.0000126 (0.0000029, 0.0000341) | 0.00017 (0.00004, 0.00048) |
| Horontalo | Lower respiratory infections                  | 70  | 3.5 (2.2, 5.2)    | 0.0007508 (0.0004724, 0.0011019) | 0.0188 (0.01309, 0.02547)   | 9.2 (6.1, 12.7)      | 0.0013726 (0.0009025, 0.0018925) | 0.01909 (0.01306, 0.02588) |
| Horontalo | Malaria                                       | 70  | 1.5 (0.8, 2.6)    | 0.0003258 (0.0001802, 0.0005525) | 0.00818 (0.00479, 0.01300)  | 2.8 (1.5, 4.7)       | 0.0004147 (0.0002268, 0.0007006) | 0.00576 (0.00318, 0.00942) |
| Horontalo | Tuberculosis                                  | 70  | 30.2 (22.9, 38.0) | 0.006465 (0.0049081, 0.0081351)  | 0.16195 (0.14699, 0.17766)  | 63.9 (53.5, 76.2)    | 0.0094992 (0.0079537, 0.0113195) | 0.13211 (0.11876, 0.14678) |
| Horontalo | Other communicable diseases                   | 70  | 2.4 (1.6, 3.6)    | 0.0005216 (0.0003444, 0.0007721) | 0.01307 (0.00917, 0.01819)  | 5.8 (3.9, 8.5)       | 0.0008553 (0.0005725, 0.0012568) | 0.01189 (0.00832, 0.01675) |
| Horontalo | Tracheal, bronchus, and lung cancer           | 70  | 0.5 (0.2, 1.0)    | 0.0001044 (0.0000390, 0.0002216) | 0.00261 (0.00100, 0.00524)  | 0.4 (0.2, 0.9)       | 0.0000618 (0.0000229, 0.0001333) | 0.00086 (0.00033, 0.00186) |
| Horontalo | Breast cancer                                 | 70  | - (0.0, 0.1)      | 0.0000096 (0.0000030, 0.0000221) | 0.00024 (0.00007, 0.00054)  | 4.3 (2.7, 6.5)       | 0.0006405 (0.0003961, 0.0009671) | 0.00891 (0.00573, 0.01302) |
| Horontalo | Cervical cancer                               | 70  |                   |                                  |                             | 1.9 (0.9, 3.4)       | 0.0002849 (0.0001392, 0.0005063) | 0.00396 (0.00200, 0.00705) |
| Horontalo | Other malignant neoplasms                     | 70  | 2.6 (1.8, 3.6)    | 0.0005622 (0.0003902, 0.0007595) | 0.01408 (0.01100, 0.01748)  | 7.1 (4.8, 9.7)       | 0.0010609 (0.0007187, 0.0014394) | 0.01476 (0.01030, 0.01971) |
| Horontalo | Cerebrovascular disease                       | 70  | 43.8 (33.6, 54.9) | 0.0093694 (0.0071777, 0.0117350) | 0.2347 (0.21765, 0.25413)   | 129.6 (109.0, 151.4) | 0.0192611 (0.0161949, 0.0225007) | 0.26786 (0.24791, 0.28790) |
| Horontalo | Ischemic heart disease                        | 70  | 22.9 (17.1, 29.3) | 0.0049037 (0.0036592, 0.0062676) | 0.12279 (0.10828, 0.13867)  | 48.0 (38.7, 58.1)    | 0.0071335 (0.0057475, 0.0086257) | 0.09921 (0.08608, 0.11453) |
| Horontalo | Other cardiovascular and circulatory diseases | 70  | 5.0 (3.3, 7.3)    | 0.001067 (0.0007008, 0.0015549)  | 0.02672 (0.01961, 0.03495)  | 16.9 (11.9, 23.0)    | 0.0025049 (0.0017747, 0.0034195) | 0.03484 (0.02500, 0.04565) |
| Horontalo | Diabetes mellitus                             | 70  | 5.5 (3.9, 7.4)    | 0.0011729 (0.0008291, 0.0015866) | 0.02936 (0.02379, 0.03622)  | 27.9 (21.7, 35.8)    | 0.0041429 (0.0032279, 0.0053151) | 0.0576 (0.04711, 0.07078)  |
| Horontalo | Chronic kidney disease                        | 70  | 3.7 (2.6, 5.3)    | 0.0007989 (0.0005534, 0.0011373) | 0.02001 (0.01531, 0.02581)  | 9.5 (6.8, 12.9)      | 0.0014072 (0.0010108, 0.0019168) | 0.01957 (0.01460, 0.02579) |
| Horontalo | Cirrhosis                                     | 70  | 4.5 (3.1, 6.4)    | 0.0009729 (0.0006577, 0.0013627) | 0.02435 (0.01833, 0.03070)  | 8.6 (6.2, 11.4)      | 0.0012828 (0.0009255, 0.0016934) | 0.01784 (0.01336, 0.02283) |
| Horontalo | Chronic respiratory diseases                  | 70  | 24.7 (18.8, 31.3) | 0.0052788 (0.0040274, 0.0066852) | 0.13228 (0.11651, 0.14801)  | 48.6 (39.6, 59.1)    | 0.0072146 (0.0058812, 0.0087823) | 0.10035 (0.08622, 0.11358) |
| Horontalo | Other non-communicable diseases               | 70  | 20.9 (15.9, 26.8) | 0.004462 (0.0033918, 0.0057320)  | 0.11179 (0.09728, 0.12653)  | 60.4 (49.1, 73.0)    | 0.0089370 (0.0072895, 0.0108451) | 0.12474 (0.10855, 0.14137) |
| Horontalo | Drowning                                      | 70  | 0.3 (0.1, 0.6)    | 0.000065 (0.0000268, 0.0001280)  | 0.00163 (0.00070, 0.00311)  | 0.4 (0.2, 0.7)       | 0.0000537 (0.0000232, 0.0001006) | 0.00075 (0.00033, 0.00138) |
| Horontalo | Falls                                         | 70  | 1.3 (0.7, 2.1)    | 0.0002866 (0.0001595, 0.0004504) | 0.00718 (0.00434, 0.01045)  | 1.9 (1.1, 2.8)       | 0.0002857 (0.0001686, 0.0004228) | 0.00397 (0.00247, 0.00581) |
| Horontalo | Interpersonal violence                        | 70  | 0.1 (0.0, 0.1)    | 0.0000145 (0.0000057, 0.0000288) | 0.00036 (0.00015, 0.00070)  | 0.1 (0.0, 0.2)       | 0.0000166 (0.0000066, 0.0000329) | 0.00023 (0.00009, 0.00046) |
| Horontalo | Self-harm                                     | 70  | 0.3 (0.1, 0.5)    | 0.0000602 (0.0000284, 0.0001129) | 0.00151 (0.00076, 0.00268)  | 0.4 (0.2, 0.7)       | 0.0000555 (0.0000262, 0.0001058) | 0.00077 (0.00036, 0.00146) |
| Horontalo | Transport injuries                            | 70  | 1.1 (0.6, 1.7)    | 0.000235 (0.0001332, 0.0003722)  | 0.00588 (0.00366, 0.00879)  | 1.0 (0.6, 1.6)       | 0.0001554 (0.0000902, 0.0002430) | 0.00216 (0.00129, 0.00331) |
| Horontalo | Other unintentional injuries                  | 70  | 0.8 (0.5, 1.4)    | 0.0001811 (0.0001013, 0.0003013) | 0.00453 (0.00274, 0.00693)  | 0.9 (0.5, 1.5)       | 0.0001396 (0.0000812, 0.0002227) | 0.00194 (0.00108, 0.00305) |
| Horontalo | Diarrheal diseases                            | 75  | 9.2 (6.7, 12.2)   | 0.0037644 (0.0027221, 0.0050073) | 0.06706 (0.05610, 0.07964)  | 31.8 (25.8, 39.0)    | 0.0089781 (0.0072879, 0.0109981) | 0.0832 (0.07055, 0.09779)  |
| Horontalo | HIV/AIDS                                      | 75  | - (0.0, 0.0)      | 0.0000076 (0.0000015, 0.0000203) | 0.00014 (0.00003, 0.00036)  | 0.1 (0.0, 0.1)       | 0.000015 (0.0000032, 0.0000401)  | 0.00014 (0.00003, 0.00036) |
| Horontalo | Lower respiratory infections                  | 75  | 2.8 (1.8, 4.1)    | 0.0011402 (0.0007162, 0.0016761) | 0.02032 (0.01407, 0.02770)  | 8.1 (5.4, 11.1)      | 0.0022849 (0.0015310, 0.0031298) | 0.02117 (0.01485, 0.02889) |
| Horontalo | Malaria                                       | 75  | 1.2 (0.6, 2.0)    | 0.0004717 (0.0002455, 0.0008181) | 0.00843 (0.00450, 0.01401)  | 2.2 (1.1, 3.7)       | 0.0006168 (0.0003124, 0.0010438) | 0.00571 (0.00294, 0.00956) |
| Horontalo | Tuberculosis                                  | 75  | 20.3 (15.4, 25.8) | 0.0082958 (0.0063089, 0.0105394) | 0.14788 (0.13225, 0.16466)  | 44.4 (36.6, 53.1)    | 0.0125056 (0.0103295, 0.0149656) | 0.11588 (0.10115, 0.13150) |
| Horontalo | Other communicable diseases                   | 75  | 1.7 (1.1, 2.5)    | 0.0006831 (0.0004417, 0.0010130) | 0.01218 (0.00838, 0.01709)  | 4.4 (3.0, 6.4)       | 0.0012403 (0.0008409, 0.0017947) | 0.01149 (0.00795, 0.01585) |
| Horontalo | Tracheal, bronchus, and lung cancer           | 75  | 0.3 (0.1, 0.6)    | 0.0001259 (0.0000459, 0.0002581) | 0.00224 (0.00084, 0.00440)  | 0.3 (0.1, 0.6)       | 0.0000708 (0.0000249, 0.0001560) | 0.00066 (0.00024, 0.00138) |
| Horontalo | Breast cancer                                 | 75  | - (0.0, 0.1)      | 0.0000089 (0.0000024, 0.0000213) | 0.00016 (0.00004, 0.00038)  | 2.2 (1.3, 3.4)       | 0.0006087 (0.0003579, 0.0009516) | 0.00564 (0.00337, 0.00867) |
| Horontalo | Cervical cancer                               | 75  |                   |                                  |                             | 1.0 (0.4, 1.8)       | 0.0002733 (0.0001251, 0.0005033) | 0.00253 (0.00119, 0.00471) |
| Horontalo | Other malignant neoplasms                     | 75  | 1.4 (1.0, 2.0)    | 0.0005879 (0.0004092, 0.0008017) | 0.01048 (0.00825, 0.01310)  | 4.7 (3.3, 6.5)       | 0.0013385 (0.0009345, 0.0018235) | 0.01241 (0.00876, 0.01650) |
| Horontalo | Cerebrovascular disease                       | 75  | 31.7 (24.2, 39.3) | 0.0129561 (0.0099134, 0.0160763) | 0.23086 (0.21154, 0.25051)  | 102.5 (86.8, 117.8)  | 0.0288967 (0.0244887, 0.0332052) | 0.26779 (0.24733, 0.28843) |
| Horontalo | Ischemic heart disease                        | 75  | 18.2 (13.6, 23.4) | 0.0074642 (0.0055672, 0.0095763) | 0.13296 (0.11661, 0.14982)  | 40.8 (33.4, 49.0)    | 0.0115154 (0.0094193, 0.0138162) | 0.10671 (0.09244, 0.12244) |

Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males                |                                  |                             | Females                |                                  |                            |
|-----------|----------------------------------------------------------|-----|----------------------|----------------------------------|-----------------------------|------------------------|----------------------------------|----------------------------|
|           |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo | Other cardiovascular and circulatory diseases            | 75  | 3.7 (2.5, 5.5)       | 0.0015234 (0.0010059, 0.0022307) | 0.02713 (0.01958, 0.03527)  | 13.5 (9.5, 18.4)       | 0.0038176 (0.0026886, 0.0051822) | 0.03539 (0.02557, 0.04659) |
| Gorontalo | Diabetes mellitus                                        | 75  | 3.3 (2.4, 4.6)       | 0.0013699 (0.0009743, 0.0018837) | 0.02439 (0.01946, 0.02995)  | 18.3 (14.4, 23.3)      | 0.0051694 (0.0040549, 0.0065654) | 0.04789 (0.03900, 0.05859) |
| Gorontalo | Chronic kidney disease                                   | 75  | 2.5 (1.7, 3.5)       | 0.0010046 (0.0006823, 0.0014448) | 0.0179 (0.01332, 0.02331)   | 6.6 (4.7, 9.0)         | 0.0018559 (0.0013333, 0.0025500) | 0.0172 (0.01263, 0.02283)  |
| Gorontalo | Cirrhosis                                                | 75  | 2.9 (1.9, 4.0)       | 0.0011734 (0.0007875, 0.0016278) | 0.02089 (0.01584, 0.02652)  | 6.0 (4.4, 7.9)         | 0.0016938 (0.0012422, 0.0022229) | 0.0157 (0.01192, 0.02019)  |
| Gorontalo | Chronic respiratory diseases                             | 75  | 18.0 (13.9, 22.8)    | 0.0073823 (0.0056736, 0.0093362) | 0.13159 (0.11577, 0.14708)  | 38.1 (31.5, 45.4)      | 0.0107537 (0.0088781, 0.0128113) | 0.09966 (0.08579, 0.11325) |
| Gorontalo | Other non-communicable diseases                          | 75  | 17.2 (13.0, 22.0)    | 0.0070528 (0.0053247, 0.0089804) | 0.12572 (0.11039, 0.14300)  | 54.1 (44.4, 64.3)      | 0.0152452 (0.0125138, 0.0181212) | 0.14127 (0.12383, 0.16026) |
| Gorontalo | Drowning                                                 | 75  | 0.3 (0.1, 0.6)       | 0.0001161 (0.0000460, 0.0002402) | 0.00206 (0.00089, 0.00423)  | 0.4 (0.2, 0.8)         | 0.0001095 (0.0000492, 0.0002226) | 0.00102 (0.00046, 0.00204) |
| Gorontalo | Falls                                                    | 75  | 1.1 (0.6, 1.7)       | 0.0004431 (0.0002556, 0.0007073) | 0.00789 (0.00471, 0.01168)  | 1.7 (1.1, 2.6)         | 0.0004897 (0.0003015, 0.0007214) | 0.00454 (0.00279, 0.00649) |
| Gorontalo | Interpersonal violence                                   | 75  | - (0.0, 0.1)         | 0.000015 (0.0000046, 0.0000365)  | 0.00027 (0.00008, 0.00064)  | 0.1 (0.0, 0.2)         | 0.0000172 (0.0000054, 0.0000429) | 0.00016 (0.00005, 0.00038) |
| Gorontalo | Self-harm                                                | 75  | 0.2 (0.1, 0.4)       | 0.0000759 (0.0000345, 0.0001502) | 0.00135 (0.00063, 0.00263)  | 0.2 (0.1, 0.5)         | 0.0000691 (0.0000302, 0.0001396) | 0.00064 (0.00029, 0.00124) |
| Gorontalo | Transport injuries                                       | 75  | 0.6 (0.3, 0.9)       | 0.0002278 (0.0001187, 0.0003883) | 0.00405 (0.00230, 0.00656)  | 0.6 (0.3, 1.0)         | 0.0001625 (0.0000888, 0.0002688) | 0.00151 (0.00083, 0.00249) |
| Gorontalo | Other unintentional injuries                             | 75  | 0.6 (0.3, 0.9)       | 0.000228 (0.0001202, 0.0003848)  | 0.00406 (0.00233, 0.00647)  | 0.7 (0.4, 1.1)         | 0.0001846 (0.0001011, 0.0003046) | 0.00171 (0.00095, 0.00282) |
| Gorontalo | Diarrheal diseases                                       | 80  | 20.7 (16.5, 25.3)    | 0.0140199 (0.0112180, 0.0171453) | 0.11635 (0.09927, 0.13401)  | 67.6 (57.2, 78.4)      | 0.025954 (0.0219620, 0.0301073)  | 0.13031 (0.11333, 0.14814) |
| Gorontalo | HIV/AIDS                                                 | 80  | - (0.0, 0.1)         | 0.0000179 (0.0000034, 0.0000548) | 0.00015 (0.00003, 0.00046)  | 0.1 (0.0, 0.2)         | 0.000029 (0.0000057, 0.0000896)  | 0.00015 (0.00003, 0.00044) |
| Gorontalo | Lower respiratory infections                             | 80  | 4.8 (3.2, 6.8)       | 0.0032261 (0.0021554, 0.0045881) | 0.02676 (0.01825, 0.03674)  | 14.1 (9.6, 19.3)       | 0.0054164 (0.0037021, 0.0074181) | 0.02719 (0.01884, 0.03684) |
| Gorontalo | Malaria                                                  | 80  | 1.6 (0.7, 3.0)       | 0.0010696 (0.0004965, 0.0020244) | 0.0089 (0.00422, 0.01628)   | 2.9 (1.3, 5.5)         | 0.0011237 (0.0005071, 0.0020946) | 0.00564 (0.00256, 0.01043) |
| Gorontalo | Tuberculosis                                             | 80  | 24.7 (20.2, 30.1)    | 0.0167673 (0.0136951, 0.0203988) | 0.13917 (0.12294, 0.15737)  | 57.0 (48.5, 66.4)      | 0.0219086 (0.0186225, 0.0254901) | 0.11 (0.09469, 0.12588)    |
| Gorontalo | Other communicable diseases                              | 80  | 2.7 (1.8, 3.8)       | 0.0018269 (0.0012253, 0.0026093) | 0.01517 (0.01032, 0.02094)  | 6.7 (4.6, 9.3)         | 0.002586 (0.0017818, 0.0035867)  | 0.01298 (0.00900, 0.01771) |
| Gorontalo | Tracheal, bronchus, and lung cancer                      | 80  | 0.3 (0.1, 0.6)       | 0.0001981 (0.0000694, 0.0004246) | 0.00164 (0.000059, 0.00344) | 0.3 (0.1, 0.6)         | 0.0001031 (0.0000369, 0.0002282) | 0.00052 (0.00019, 0.00113) |
| Gorontalo | Breast cancer                                            | 80  | - (0.0, 0.0)         | 0.0000122 (0.0000030, 0.0000316) | 0.0001 (0.00002, 0.00026)   | 1.7 (0.8, 2.8)         | 0.0006395 (0.0003255, 0.0010769) | 0.00321 (0.00166, 0.00544) |
| Gorontalo | Cervical cancer                                          | 80  |                      |                                  |                             | 0.8 (0.3, 1.6)         | 0.0003002 (0.0001221, 0.0006335) | 0.00151 (0.00060, 0.00314) |
| Gorontalo | Other malignant neoplasms                                | 80  | 1.4 (1.0, 1.9)       | 0.0009684 (0.0006976, 0.0012867) | 0.00804 (0.00606, 0.01037)  | 4.6 (3.2, 6.3)         | 0.0017748 (0.0012386, 0.0024129) | 0.00891 (0.00613, 0.01185) |
| Gorontalo | Cerebrovascular disease                                  | 80  | 39.2 (32.9, 46.1)    | 0.0265615 (0.0223045, 0.0312279) | 0.22045 (0.20083, 0.24113)  | 134.6 (118.6, 149.8)   | 0.0517108 (0.0455609, 0.0575572) | 0.25963 (0.23907, 0.28183) |
| Gorontalo | Ischemic heart disease                                   | 80  | 19.6 (15.8, 23.9)    | 0.0133135 (0.0106914, 0.0162224) | 0.11048 (0.09599, 0.12574)  | 50.9 (42.6, 59.4)      | 0.0195675 (0.0163821, 0.0228326) | 0.09824 (0.08403, 0.11174) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 80  | 4.2 (2.9, 6.1)       | 0.0028561 (0.0019385, 0.0041569) | 0.02369 (0.01675, 0.03238)  | 15.7 (11.1, 21.3)      | 0.0060268 (0.0042515, 0.0081781) | 0.03026 (0.02175, 0.04048) |
| Gorontalo | Diabetes mellitus                                        | 80  | 3.2 (2.4, 4.2)       | 0.0021767 (0.0016069, 0.0028765) | 0.01806 (0.01402, 0.02253)  | 18.7 (14.9, 23.6)      | 0.0071927 (0.0057195, 0.0090522) | 0.03611 (0.02917, 0.04531) |
| Gorontalo | Chronic kidney disease                                   | 80  | 2.4 (1.7, 3.3)       | 0.0016161 (0.0011295, 0.0022692) | 0.01341 (0.00979, 0.01823)  | 6.8 (4.9, 9.3)         | 0.0026145 (0.0021869, 0.0035625) | 0.01313 (0.00943, 0.01799) |
| Gorontalo | Cirrhosis                                                | 80  | 3.1 (2.1, 4.2)       | 0.0020908 (0.0014564, 0.0028276) | 0.01734 (0.01287, 0.02244)  | 6.8 (4.9, 8.8)         | 0.0025941 (0.0018899, 0.0033754) | 0.01303 (0.00974, 0.01698) |
| Gorontalo | Chronic respiratory diseases                             | 80  | 22.9 (19.1, 27.4)    | 0.0155147 (0.0129451, 0.0185858) | 0.1288 (0.11379, 0.14410)   | 48.0 (40.5, 55.7)      | 0.0184553 (0.0155537, 0.0214033) | 0.09267 (0.07975, 0.10665) |
| Gorontalo | Other non-communicable diseases                          | 80  | 23.2 (18.9, 28.1)    | 0.0157339 (0.0127931, 0.0190454) | 0.1306 (0.11443, 0.14705)   | 75.9 (64.9, 87.5)      | 0.0291774 (0.0249161, 0.0336021) | 0.14649 (0.12877, 0.16469) |
| Gorontalo | Drowning                                                 | 80  | 0.4 (0.2, 0.8)       | 0.0002639 (0.0001117, 0.0005401) | 0.00219 (0.00093, 0.00440)  | 0.5 (0.2, 1.0)         | 0.000202 (0.0000859, 0.0004031)  | 0.00101 (0.00042, 0.00199) |
| Gorontalo | Falls                                                    | 80  | 1.9 (1.1, 2.8)       | 0.0012719 (0.0007780, 0.0018770) | 0.01055 (0.00653, 0.01511)  | 3.0 (1.9, 4.1)         | 0.0011488 (0.0007279, 0.0015938) | 0.00577 (0.00366, 0.00805) |
| Gorontalo | Interpersonal violence                                   | 80  | - (0.0, 0.1)         | 0.0000213 (0.0000040, 0.0000573) | 0.00018 (0.00003, 0.00049)  | 0.1 (0.0, 0.2)         | 0.0000208 (0.0000042, 0.0000612) | 0.0001 (0.00002, 0.00030)  |
| Gorontalo | Self-harm                                                | 80  | 0.2 (0.1, 0.4)       | 0.0001254 (0.0000519, 0.0002583) | 0.00104 (0.00045, 0.00209)  | 0.3 (0.1, 0.6)         | 0.000098 (0.0000399, 0.0002122)  | 0.00049 (0.00020, 0.00104) |
| Gorontalo | Transport injuries                                       | 80  | 0.6 (0.3, 1.0)       | 0.0004091 (0.0002147, 0.0006964) | 0.00339 (0.00185, 0.00569)  | 0.6 (0.3, 1.1)         | 0.0002414 (0.0001274, 0.0004044) | 0.00121 (0.00063, 0.00204) |
| Gorontalo | Other unintentional injuries                             | 80  | 0.6 (0.3, 1.1)       | 0.0004247 (0.0002168, 0.0007257) | 0.00352 (0.00183, 0.00587)  | 0.7 (0.4, 1.3)         | 0.0002874 (0.0001483, 0.0004856) | 0.00144 (0.00074, 0.00248) |
| Gorontalo | Diarrheal diseases                                       | All | 222.4 (161.0, 294.2) | 0.0003952 (0.0002861, 0.0005227) | 0.08443 (0.06700, 0.10386)  | 383.6 (300.9, 477.5)   | 0.0006872 (0.0005389, 0.0008553) | 0.08188 (0.06747, 0.09748) |
| Gorontalo | HIV/AIDS                                                 | All | 7.0 (2.2, 15.5)      | 0.0000124 (0.0000039, 0.0000276) | 0.00265 (0.00083, 0.00586)  | 8.6 (2.6, 19.1)        | 0.0000154 (0.0000046, 0.0000342) | 0.00183 (0.00055, 0.00394) |
| Gorontalo | Lower respiratory infections                             | All | 139.5 (93.7, 193.2)  | 0.0002479 (0.0001665, 0.0003433) | 0.05289 (0.03813, 0.06868)  | 137.7 (96.2, 185.3)    | 0.0002466 (0.0001723, 0.0003319) | 0.02938 (0.02113, 0.03884) |
| Gorontalo | Malaria                                                  | All | 35.8 (20.1, 57.4)    | 0.0000635 (0.0000358, 0.0001020) | 0.0136 (0.00788, 0.02128)   | 50.7 (29.5, 78.3)      | 0.0000908 (0.0000528, 0.0001403) | 0.01081 (0.01689, 0.01600) |
| Gorontalo | Tuberculosis                                             | All | 363.1 (294.0, 443.6) | 0.0006452 (0.0005223, 0.0007881) | 0.13805 (0.12179, 0.15605)  | 579.2 (481.0, 692.0)   | 0.0010376 (0.0008617, 0.0012396) | 0.12356 (0.11081, 0.13735) |
| Gorontalo | Maternal disorders                                       | All |                      |                                  |                             | 51.5 (35.4, 73.0)      | 0.0000923 (0.0000633, 0.0001307) | 0.01097 (0.00785, 0.01447) |
| Gorontalo | Neonatal encephalopathy due to birth asphyxia and trauma | All | 62.9 (29.7, 105.5)   | 0.0001117 (0.0000528, 0.0001874) | 0.02373 (0.01202, 0.03822)  | 39.3 (19.0, 69.0)      | 0.0000704 (0.0000341, 0.0001236) | 0.00837 (0.00407, 0.01457) |
| Gorontalo | Preterm birth complications                              | All | 40.9 (17.2, 72.3)    | 0.0000727 (0.0000305, 0.0001285) | 0.01545 (0.00686, 0.02749)  | 35.3 (15.9, 64.8)      | 0.0000632 (0.0000285, 0.0001161) | 0.00751 (0.00338, 0.01356) |
| Gorontalo | Other neonatal disorders                                 | All | 48.5 (17.8, 95.1)    | 0.0000862 (0.0000315, 0.0001690) | 0.0183 (0.00694, 0.03492)   | 30.5 (10.6, 64.3)      | 0.0000546 (0.0000191, 0.0001152) | 0.0065 (0.00234, 0.01368)  |
| Gorontalo | Other communicable diseases                              | All | 179.8 (134.8, 234.9) | 0.0003194 (0.0002395, 0.0004174) | 0.06835 (0.05401, 0.08429)  | 182.3 (135.2, 240.0)   | 0.0003266 (0.0002421, 0.0004299) | 0.03889 (0.02963, 0.04904) |
| Gorontalo | Tracheal, bronchus, and lung cancer                      | All | 5.9 (2.2, 12.2)      | 0.0000105 (0.0000040, 0.0000217) | 0.00224 (0.00090, 0.00434)  | 5.4 (2.0, 11.3)        | 0.0000097 (0.0000037, 0.0000202) | 0.00116 (0.00045, 0.00234) |
| Gorontalo | Breast cancer                                            | All | 0.6 (0.3, 1.2)       | 0.0000011 (0.0000005, 0.0000022) | 0.00024 (0.00011, 0.00046)  | 111.3 (75.2, 154.3)    | 0.0001994 (0.0001346, 0.0002764) | 0.02372 (0.01689, 0.03142) |
| Gorontalo | Cervical cancer                                          | All |                      |                                  |                             | 53.8 (30.9, 86.1)      | 0.0000963 (0.0000553, 0.0001542) | 0.01145 (0.00678, 0.01787) |
| Gorontalo | Other malignant neoplasms                                | All | 56.1 (41.5, 73.8)    | 0.0000997 (0.0000738, 0.0001311) | 0.02133 (0.01672, 0.02636)  | 104.0 (71.8, 142.6)    | 0.0001863 (0.0001287, 0.0002554) | 0.02217 (0.01603, 0.02870) |
| Gorontalo | Cerebrovascular disease                                  | All | 358.7 (282.6, 441.6) | 0.0006372 (0.0005021, 0.0007846) | 0.13629 (0.11754, 0.15541)  | 892.8 (748.3, 1,052.2) | 0.0015993 (0.0013405, 0.0018849) | 0.1905 (0.17296, 0.20831)  |
| Gorontalo | Ischemic heart disease                                   | All | 220.8 (169.7, 277.6) | 0.0003922 (0.0003015, 0.0004932) | 0.08386 (0.06899, 0.09793)  | 375.2 (302.1, 456.2)   | 0.000672 (0.0005411, 0.0008173)  | 0.08005 (0.06875, 0.09229) |
| Gorontalo | Other cardiovascular and circulatory diseases            | All | 37.9 (25.5, 55.2)    | 0.0000673 (0.0000453, 0.0000981) | 0.01441 (0.01015, 0.01989)  | 115.3 (81.3, 157.1)    | 0.0002065 (0.0001457, 0.0002813) | 0.02459 (0.01757, 0.03205) |
| Gorontalo | Diabetes mellitus                                        | All | 69.2 (51.1, 91.1)    | 0.0001229 (0.0000909, 0.0001619) | 0.02627 (0.02102, 0.03305)  | 287.8 (226.4, 370.2)   | 0.0005156 (0.0004056, 0.0006632) | 0.06137 (0.05094, 0.07403) |
| Gorontalo | Chronic kidney disease                                   | All | 50.3 (36.3, 70.3)    | 0.0000895 (0.0000645, 0.0001250) | 0.01914 (0.01458, 0.02527)  | 109.4 (79.5, 149.2)    | 0.0001961 (0.0001425, 0.0002674) | 0.02334 (0.01806, 0.03050) |
| Gorontalo | Cirrhosis                                                | All | 84.2 (60.5, 112.5)   | 0.0001496 (0.0001074, 0.0001998) | 0.03198 (0.02496, 0.04016)  | 118.3 (86.9, 155.8)    | 0.000212 (0.0001557, 0.0002790)  | 0.02523 (0.01936, 0.03134) |
| Gorontalo | Chronic respiratory diseases                             | All | 172.2 (135.7, 216.0) | 0.000306 (0.0002411, 0.0003837)  | 0.06548 (0.05525, 0.07716)  | 301.3 (244.8, 365.4)   | 0.0005398 (0.0004385, 0.0006545) | 0.06431 (0.05457, 0.07347) |
| Gorontalo | Other non-communicable diseases                          | All | 261.6 (208.7, 321.1) | 0.0004648 (0.0003708, 0.0005705) | 0.09936 (0.08919, 0.11024)  | 568.0 (467.9, 683.8)   | 0.0010175 (0.0008382, 0.0012249) | 0.12117 (0.10763, 0.13495) |
| Gorontalo | Drowning                                                 | All | 49.4 (34.2, 68.5)    | 0.0000878 (0.0000608, 0.0001216) | 0.01881 (0.01335, 0.02483)  | 21.9 (14.0, 31.7)      | 0.0000393 (0.0000251, 0.0000567) | 0.00468 (0.00304, 0.00661) |
| Gorontalo | Falls                                                    | All | 27.8 (16.2, 41.9)    | 0.0000495 (0.0000288, 0.0000745) | 0.01059 (0.00625, 0.01510)  | 23.9 (14.1, 35.4)      | 0.0000429 (0.0000252, 0.0000634) | 0.00511 (0.00315, 0.00744) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males               |                                   |                            | Females             |                                  |                            |
|----------------|----------------------------------------------------------|-----|---------------------|-----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Gorontalo      | Interpersonal violence                                   | All | 5.6 (3.4, 8.8)      | 0.00001 (0.0000060, 0.0000156)    | 0.00214 (0.00135, 0.00330) | 7.9 (4.8, 12.2)     | 0.0000142 (0.0000086, 0.0000218) | 0.00169 (0.00104, 0.00254) |
| Gorontalo      | Self-harm                                                | All | 8.5 (4.6, 14.3)     | 0.0000151 (0.0000082, 0.0000255)  | 0.00324 (0.00180, 0.00526) | 11.9 (6.3, 20.1)    | 0.0000212 (0.0000113, 0.0000360) | 0.00253 (0.00141, 0.00417) |
| Gorontalo      | Transport injuries                                       | All | 84.6 (63.4, 112.3)  | 0.0001502 (0.0001127, 0.0001996)  | 0.03219 (0.02476, 0.04090) | 52.2 (36.8, 71.0)   | 0.0000935 (0.0000660, 0.0001271) | 0.01114 (0.00811, 0.01473) |
| Gorontalo      | Other unintentional injuries                             | All | 39.4 (26.3, 56.9)   | 0.00007 (0.0000467, 0.0001011)    | 0.01499 (0.01017, 0.02134) | 28.7 (18.6, 42.5)   | 0.0000514 (0.0000333, 0.0000762) | 0.00612 (0.00413, 0.00886) |
| Sulawesi Barat | Diarrheal diseases                                       | NN  | 4.2 (1.4, 8.9)      | 0.0036019 (0.0012240, 0.0075738)  | 0.00923 (0.00446, 0.01516) | 3.2 (1.1, 6.8)      | 0.0028746 (0.0009785, 0.0060482) | 0.01092 (0.00551, 0.01799) |
| Sulawesi Barat | Lower respiratory infections                             | NN  | 60.5 (27.2, 108.5)  | 0.05177003 (0.0232269, 0.0927873) | 0.13256 (0.09538, 0.17436) | 34.2 (15.3, 65.1)   | 0.0304655 (0.0135991, 0.0579393) | 0.11587 (0.08033, 0.15602) |
| Sulawesi Barat | Malaria                                                  | NN  | 0.4 (0.0, 1.3)      | 0.0003038 (0.0000284, 0.0010753)  | 0.00079 (0.00009, 0.00268) | 0.2 (0.0, 0.8)      | 0.0001801 (0.0000169, 0.0006968) | 0.00069 (0.00008, 0.00230) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 167.1 (76.8, 289.1) | 0.1428324 (0.0656126, 0.2471837)  | 0.36525 (0.27913, 0.44235) | 106.6 (49.8, 192.4) | 0.0949624 (0.0443484, 0.1713415) | 0.36017 (0.26915, 0.44760) |
| Sulawesi Barat | Preterm birth complications                              | NN  | 50.5 (17.6, 107.6)  | 0.0431641 (0.0150641, 0.0919810)  | 0.11104 (0.05269, 0.18578) | 42.9 (15.5, 93.2)   | 0.0381576 (0.0138318, 0.0829984) | 0.14456 (0.07376, 0.23182) |
| Sulawesi Barat | Other neonatal disorders                                 | NN  | 82.8 (30.0, 165.0)  | 0.0708067 (0.0256292, 0.1410742)  | 0.18193 (0.08976, 0.28454) | 49.8 (17.0, 104.0)  | 0.0443385 (0.0151235, 0.0925687) | 0.16886 (0.07896, 0.27085) |
| Sulawesi Barat | Other communicable diseases                              | NN  | 5.3 (1.9, 11.1)     | 0.0045446 (0.0016060, 0.0094571)  | 0.01167 (0.00601, 0.02006) | 2.8 (1.0, 6.1)      | 0.0025336 (0.0008586, 0.0054726) | 0.00961 (0.00471, 0.01690) |
| Sulawesi Barat | Other malignant neoplasms                                | NN  | 4.0 (1.3, 8.8)      | 0.0033806 (0.0011474, 0.0075599)  | 0.00863 (0.00417, 0.01566) | 2.8 (0.9, 6.4)      | 0.0025048 (0.0008195, 0.0056773) | 0.00959 (0.00458, 0.01751) |
| Sulawesi Barat | Cerebrovascular disease                                  | NN  | 0.8 (0.2, 2.2)      | 0.0006633 (0.0001572, 0.0018713)  | 0.0017 (0.00052, 0.00413)  | 0.7 (0.2, 1.9)      | 0.000636 (0.0001474, 0.0017175)  | 0.00242 (0.00077, 0.00583) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | NN  | 0.6 (0.1, 1.8)      | 0.0005379 (0.0001060, 0.0015617)  | 0.00139 (0.00034, 0.00357) | 0.6 (0.1, 1.7)      | 0.0005256 (0.0000977, 0.0015001) | 0.00199 (0.00050, 0.00539) |
| Sulawesi Barat | Diabetes mellitus                                        | NN  | 0.3 (0.0, 2.1)      | 0.0002288 (0.0000010, 0.0017872)  | 0.00058 (0.00000, 0.00480) | 0.2 (0.0, 1.9)      | 0.000187 (0.0000008, 0.0016755)  | 0.00071 (0.00000, 0.00570) |
| Sulawesi Barat | Other non-communicable diseases                          | NN  | 55.4 (26.7, 92.4)   | 0.0473448 (0.0228310, 0.0789757)  | 0.12143 (0.09704, 0.14807) | 45.1 (22.3, 78.6)   | 0.0401389 (0.0198887, 0.0700087) | 0.15253 (0.12390, 0.18373) |
| Sulawesi Barat | Drowning                                                 | NN  | 6.8 (2.3, 15.9)     | 0.0058487 (0.0019801, 0.0136200)  | 0.01498 (0.00694, 0.02720) | 1.4 (0.4, 3.4)      | 0.0012714 (0.0003808, 0.0030521) | 0.0048 (0.00205, 0.00976)  |
| Sulawesi Barat | Falls                                                    | NN  | 2.0 (0.6, 5.0)      | 0.0017275 (0.0004767, 0.0042724)  | 0.00443 (0.00173, 0.00949) | 0.6 (0.1, 1.6)      | 0.0005158 (0.0001263, 0.0013895) | 0.00196 (0.00069, 0.00431) |
| Sulawesi Barat | Interpersonal violence                                   | NN  | 1.8 (0.5, 4.4)      | 0.0015589 (0.0004248, 0.0037797)  | 0.00403 (0.00144, 0.00881) | 0.9 (0.2, 2.4)      | 0.0008234 (0.0002064, 0.0021476) | 0.00313 (0.00109, 0.00695) |
| Sulawesi Barat | Transport injuries                                       | NN  | 4.7 (1.4, 10.8)     | 0.003995 (0.0011982, 0.0092745)   | 0.0102 (0.00462, 0.01950)  | 1.0 (0.3, 2.4)      | 0.0008855 (0.0002695, 0.0021303) | 0.00337 (0.00141, 0.00653) |
| Sulawesi Barat | Other unintentional injuries                             | NN  | 9.2 (3.2, 20.4)     | 0.0078827 (0.0027217, 0.0174601)  | 0.02016 (0.01043, 0.03428) | 2.6 (0.9, 5.6)      | 0.0023164 (0.0007889, 0.0049440) | 0.00883 (0.00438, 0.01546) |
| Sulawesi Barat | Diarrheal diseases                                       | PNN | 89.1 (40.5, 167.9)  | 0.0061013 (0.0027724, 0.0115022)  | 0.18971 (0.11864, 0.26548) | 93.4 (39.9, 169.4)  | 0.0066638 (0.0028480, 0.0120845) | 0.24288 (0.15800, 0.32951) |
| Sulawesi Barat | HIV/AIDS                                                 | PNN | 5.6 (1.0, 18.1)     | 0.0003855 (0.0000679, 0.0012383)  | 0.01188 (0.00251, 0.03372) | 4.2 (0.7, 14.1)     | 0.0003001 (0.0000513, 0.0010091) | 0.01094 (0.00221, 0.03212) |
| Sulawesi Barat | Lower respiratory infections                             | PNN | 100.9 (49.1, 177.1) | 0.0069136 (0.0033608, 0.0121318)  | 0.21535 (0.15982, 0.27416) | 74.7 (33.7, 137.3)  | 0.0053323 (0.0024058, 0.0097936) | 0.19414 (0.14103, 0.25585) |
| Sulawesi Barat | Malaria                                                  | PNN | 7.4 (0.7, 26.3)     | 0.0005083 (0.0000501, 0.0018030)  | 0.0159 (0.00187, 0.05283)  | 5.8 (0.6, 22.6)     | 0.0004143 (0.0000403, 0.0016126) | 0.015 (0.00172, 0.04868)   |
| Sulawesi Barat | Tuberculosis                                             | PNN | 14.0 (5.1, 29.1)    | 0.0009618 (0.0003490, 0.0019960)  | 0.0298 (0.01455, 0.05158)  | 11.2 (3.7, 23.9)    | 0.0007965 (0.0002610, 0.0017061) | 0.02892 (0.01395, 0.05154) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 11.9 (3.4, 32.3)    | 0.0008132 (0.0002298, 0.0022092)  | 0.02517 (0.00852, 0.06046) | 9.1 (2.4, 24.4)     | 0.0006503 (0.0001729, 0.0017417) | 0.02359 (0.00818, 0.05626) |
| Sulawesi Barat | Preterm birth complications                              | PNN | 5.7 (1.7, 14.4)     | 0.00039 (0.0001135, 0.0009887)    | 0.01211 (0.00422, 0.02655) | 6.6 (1.8, 18.0)     | 0.0004744 (0.0001271, 0.0012830) | 0.01709 (0.00615, 0.03840) |
| Sulawesi Barat | Other neonatal disorders                                 | PNN | 18.5 (4.2, 51.6)    | 0.0012674 (0.0002887, 0.0035359)  | 0.03976 (0.01048, 0.09328) | 14.1 (2.9, 37.6)    | 0.0010047 (0.0002080, 0.0026850) | 0.03688 (0.00928, 0.09079) |
| Sulawesi Barat | Other communicable diseases                              | PNN | 124.9 (57.1, 222.5) | 0.0085535 (0.0039094, 0.0152391)  | 0.26576 (0.19070, 0.34838) | 91.4 (39.2, 175.6)  | 0.006524 (0.0027992, 0.0125258)  | 0.2369 (0.16239, 0.32065)  |
| Sulawesi Barat | Other malignant neoplasms                                | PNN | 3.9 (1.3, 8.5)      | 0.0002644 (0.0000905, 0.0005855)  | 0.00821 (0.00398, 0.01497) | 3.5 (1.3, 7.7)      | 0.0002528 (0.0000916, 0.0005505) | 0.00923 (0.00441, 0.01685) |
| Sulawesi Barat | Cerebrovascular disease                                  | PNN | 0.8 (0.2, 2.1)      | 0.0000525 (0.0000131, 0.0001454)  | 0.00162 (0.00050, 0.00396) | 0.9 (0.2, 2.5)      | 0.0000643 (0.0000158, 0.0001763) | 0.00235 (0.00075, 0.00560) |
| Sulawesi Barat | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.4)      | 0.0000199 (0.0000012, 0.0000973)  | 0.00061 (0.00005, 0.00274) | 0.3 (0.0, 1.7)      | 0.0000244 (0.0000014, 0.0001242) | 0.00088 (0.00007, 0.00403) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | PNN | 0.6 (0.1, 1.8)      | 0.0000424 (0.0000085, 0.0001237)  | 0.00132 (0.00032, 0.00344) | 0.7 (0.1, 2.2)      | 0.0000527 (0.0000103, 0.0001586) | 0.00192 (0.00048, 0.00520) |
| Sulawesi Barat | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.4)      | 0.0000186 (0.0000001, 0.0001612)  | 0.00055 (0.00000, 0.00459) | 0.3 (0.0, 2.1)      | 0.000019 (0.0000001, 0.0001498)  | 0.00069 (0.00000, 0.00562) |
| Sulawesi Barat | Chronic kidney disease                                   | PNN | 3.4 (1.1, 7.6)      | 0.0002295 (0.0000775, 0.0005238)  | 0.0071 (0.00340, 0.01340)  | 2.9 (0.9, 6.7)      | 0.0002077 (0.0000667, 0.0004753) | 0.00758 (0.00360, 0.01435) |
| Sulawesi Barat | Other non-communicable diseases                          | PNN | 53.9 (27.4, 91.2)   | 0.0036904 (0.0018778, 0.0062436)  | 0.11498 (0.09121, 0.14069) | 56.1 (26.1, 96.4)   | 0.0040052 (0.0018621, 0.0068802) | 0.14611 (0.11818, 0.17615) |
| Sulawesi Barat | Drowning                                                 | PNN | 8.1 (2.9, 17.4)     | 0.0005541 (0.0002011, 0.0011918)  | 0.01727 (0.00834, 0.03049) | 2.2 (0.7, 5.0)      | 0.0001549 (0.0000472, 0.0003573) | 0.00561 (0.00255, 0.01115) |
| Sulawesi Barat | Falls                                                    | PNN | 2.3 (0.7, 5.5)      | 0.000158 (0.0000491, 0.0003786)   | 0.00492 (0.00196, 0.01039) | 0.8 (0.2, 2.1)      | 0.0000605 (0.0000160, 0.0001493) | 0.0022 (0.00079, 0.00481)  |
| Sulawesi Barat | Interpersonal violence                                   | PNN | 2.0 (0.6, 4.9)      | 0.0001395 (0.0000392, 0.0003361)  | 0.00437 (0.00161, 0.00941) | 1.3 (0.3, 3.4)      | 0.0000947 (0.0000248, 0.0002447) | 0.00344 (0.00125, 0.00759) |
| Sulawesi Barat | Transport injuries                                       | PNN | 5.5 (1.8, 12.2)     | 0.0003748 (0.0001216, 0.0008326)  | 0.01162 (0.00544, 0.02189) | 1.5 (0.5, 3.4)      | 0.0001072 (0.0000343, 0.0002446) | 0.00389 (0.00171, 0.00755) |
| Sulawesi Barat | Other unintentional injuries                             | PNN | 10.3 (4.0, 21.1)    | 0.0007046 (0.0002708, 0.0014471)  | 0.02198 (0.01173, 0.03691) | 3.8 (1.4, 8.0)      | 0.0002676 (0.0001023, 0.0005720) | 0.00975 (0.00505, 0.01649) |
| Sulawesi Barat | Diarrheal diseases                                       | 1   | 14.3 (4.7, 32.2)    | 0.0002269 (0.0000752, 0.0005114)  | 0.09945 (0.05873, 0.15271) | 21.5 (8.1, 46.0)    | 0.0003541 (0.0001337, 0.0007574) | 0.13706 (0.08391, 0.20372) |
| Sulawesi Barat | HIV/AIDS                                                 | 1   | 2.0 (0.3, 6.9)      | 0.000031 (0.0000044, 0.0001096)   | 0.01349 (0.00272, 0.03779) | 2.2 (0.3, 7.4)      | 0.0000357 (0.0000054, 0.0001214) | 0.01381 (0.00272, 0.03971) |
| Sulawesi Barat | Lower respiratory infections                             | 1   | 34.4 (13.4, 71.6)   | 0.0005451 (0.0002118, 0.0011363)  | 0.23882 (0.18222, 0.29846) | 37.5 (15.8, 71.7)   | 0.0006171 (0.0002607, 0.0011793) | 0.23979 (0.18011, 0.30811) |
| Sulawesi Barat | Malaria                                                  | 1   | 1.0 (0.1, 3.4)      | 0.0000151 (0.0000015, 0.0000547)  | 0.00674 (0.00076, 0.02319) | 1.1 (0.1, 4.0)      | 0.0000177 (0.0000016, 0.0000650) | 0.00685 (0.00080, 0.02337) |
| Sulawesi Barat | Tuberculosis                                             | 1   | 5.1 (1.7, 12.1)     | 0.0000808 (0.0000273, 0.0001923)  | 0.03556 (0.01797, 0.06032) | 6.0 (2.1, 14.7)     | 0.0000991 (0.0000345, 0.0002415) | 0.03845 (0.01890, 0.06769) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 2.3 (0.5, 6.6)      | 0.0000359 (0.0000072, 0.0001049)  | 0.01581 (0.00464, 0.03894) | 2.4 (0.5, 6.8)      | 0.0000391 (0.0000086, 0.0001120) | 0.01522 (0.00444, 0.03674) |
| Sulawesi Barat | Preterm birth complications                              | 1   | 0.2 (0.0, 0.7)      | 0.0000032 (0.0000004, 0.0000114)  | 0.00142 (0.00025, 0.00503) | 0.3 (0.0, 1.2)      | 0.0000052 (0.0000007, 0.0000197) | 0.00206 (0.00035, 0.00692) |
| Sulawesi Barat | Other neonatal disorders                                 | 1   | 0.5 (0.0, 3.5)      | 0.0000083 (0.0000001, 0.0000552)  | 0.00347 (0.00003, 0.02380) | 0.5 (0.0, 3.8)      | 0.0000084 (0.0000001, 0.0000618) | 0.00327 (0.00003, 0.02289) |
| Sulawesi Barat | Other communicable diseases                              | 1   | 42.4 (17.1, 84.2)   | 0.0006718 (0.0002706, 0.0013355)  | 0.29509 (0.23033, 0.36682) | 45.3 (19.3, 87.8)   | 0.0007453 (0.0003169, 0.0014447) | 0.28956 (0.21933, 0.36282) |
| Sulawesi Barat | Other malignant neoplasms                                | 1   | 0.9 (0.3, 2.1)      | 0.000014 (0.0000040, 0.0000340)   | 0.00612 (0.00285, 0.01152) | 1.4 (0.4, 3.2)      | 0.0000222 (0.0000070, 0.0000525) | 0.0086 (0.00399, 0.01586)  |
| Sulawesi Barat | Cerebrovascular disease                                  | 1   | 0.2 (0.0, 0.5)      | 0.000003 (0.0000007, 0.0000083)   | 0.00133 (0.00038, 0.00323) | 0.4 (0.1, 1.0)      | 0.0000061 (0.0000014, 0.0000167) | 0.00239 (0.00073, 0.00596) |
| Sulawesi Barat | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.4)      | 0.0000012 (0.0000001, 0.0000058)  | 0.0005 (0.00004, 0.00224)  | 0.1 (0.0, 0.7)      | 0.0000023 (0.0000002, 0.0000122) | 0.00091 (0.00007, 0.00419) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | 1   | 0.1 (0.0, 0.5)      | 0.0000023 (0.0000004, 0.0000073)  | 0.00101 (0.00023, 0.00268) | 0.3 (0.1, 0.9)      | 0.0000047 (0.0000009, 0.0000153) | 0.00183 (0.00045, 0.00510) |
| Sulawesi Barat | Diabetes mellitus                                        | 1   | 0.1 (0.0, 0.5)      | 0.0000009 (0.0000000, 0.0000072)  | 0.00042 (0.00000, 0.00319) | 0.1 (0.0, 0.7)      | 0.0000016 (0.0000000, 0.0000123) | 0.00065 (0.00000, 0.00508) |
| Sulawesi Barat | Chronic kidney disease                                   | 1   | 0.7 (0.2, 1.8)      | 0.0000117 (0.0000034, 0.0000283)  | 0.00512 (0.00240, 0.01019) | 1.1 (0.3, 2.6)      | 0.0000177 (0.0000054, 0.0000432) | 0.00683 (0.00328, 0.01299) |
| Sulawesi Barat | Cirrhosis                                                | 1   | 1.0 (0.3, 2.8)      | 0.0000161 (0.0000042, 0.0000437)  | 0.0071 (0.00262, 0.01639)  | 0.8 (0.2, 2.2)      | 0.000014 (0.0000037, 0.0000363)  | 0.00548 (0.00195, 0.01227) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Barat | Chronic respiratory diseases                  | 1   | 4.2 (1.2, 9.9)    | 0.0000668 (0.0000197, 0.0001572) | 0.02944 (0.01457, 0.05118) | 3.0 (0.9, 7.3)   | 0.0000489 (0.0000143, 0.0001199) | 0.01908 (0.00774, 0.03747) |
| Sulawesi Barat | Other non-communicable diseases               | 1   | 12.3 (4.7, 24.4)  | 0.0001958 (0.0000739, 0.0003868) | 0.08603 (0.06181, 0.11160) | 21.3 (9.0, 41.7) | 0.0003513 (0.0001489, 0.0006869) | 0.13642 (0.10610, 0.17017) |
| Sulawesi Barat | Drowning                                      | 1   | 8.1 (2.7, 18.3)   | 0.0001285 (0.0000424, 0.0002897) | 0.05634 (0.03108, 0.08754) | 3.4 (1.2, 8.2)   | 0.0000562 (0.0000189, 0.0001343) | 0.02185 (0.01043, 0.03861) |
| Sulawesi Barat | Falls                                         | 1   | 1.6 (0.4, 4.2)    | 0.000026 (0.0000067, 0.0000660)  | 0.01128 (0.00456, 0.02257) | 0.9 (0.2, 2.4)   | 0.0000154 (0.0000040, 0.0000399) | 0.00597 (0.00218, 0.01296) |
| Sulawesi Barat | Interpersonal violence                        | 1   | 1.2 (0.3, 3.1)    | 0.0000189 (0.0000046, 0.0000485) | 0.00822 (0.00317, 0.01671) | 1.2 (0.3, 3.3)   | 0.00002 (0.0000049, 0.0000542)   | 0.00766 (0.00285, 0.01554) |
| Sulawesi Barat | Transport injuries                            | 1   | 4.9 (1.4, 11.4)   | 0.0000778 (0.0000230, 0.0001812) | 0.03397 (0.01675, 0.05839) | 2.1 (0.6, 5.3)   | 0.0000351 (0.0000104, 0.0000868) | 0.01354 (0.00582, 0.02531) |
| Sulawesi Barat | Other unintentional injuries                  | 1   | 6.3 (2.0, 14.2)   | 0.0000994 (0.0000313, 0.0002252) | 0.04328 (0.02421, 0.07049) | 3.6 (1.2, 8.1)   | 0.0000587 (0.0000203, 0.0001328) | 0.02274 (0.01209, 0.03869) |
| Sulawesi Barat | Diarrheal diseases                            | 5   | 6.0 (3.2, 9.4)    | 0.0000728 (0.0000389, 0.0001144) | 0.07003 (0.03849, 0.10771) | 6.3 (3.6, 9.5)   | 0.0000817 (0.0000467, 0.0001235) | 0.10367 (0.05989, 0.15539) |
| Sulawesi Barat | HIV/AIDS                                      | 5   | 0.6 (0.1, 1.8)    | 0.0000071 (0.0000012, 0.0000216) | 0.00687 (0.00110, 0.02028) | 0.4 (0.1, 1.4)   | 0.0000058 (0.0000008, 0.0000183) | 0.00742 (0.00112, 0.02314) |
| Sulawesi Barat | Lower respiratory infections                  | 5   | 10.2 (6.6, 14.4)  | 0.0001234 (0.0000797, 0.0001749) | 0.11872 (0.07888, 0.16318) | 7.7 (5.1, 10.9)  | 0.0000998 (0.0000659, 0.0001419) | 0.12662 (0.08276, 0.17892) |
| Sulawesi Barat | Malaria                                       | 5   | 0.4 (0.0, 1.4)    | 0.0000049 (0.0000006, 0.0000171) | 0.00471 (0.00054, 0.01586) | 0.3 (0.0, 1.0)   | 0.000004 (0.0000005, 0.0000125)  | 0.00512 (0.00062, 0.01539) |
| Sulawesi Barat | Tuberculosis                                  | 5   | 2.2 (1.1, 3.8)    | 0.0000262 (0.0000129, 0.0000465) | 0.02527 (0.01245, 0.04461) | 1.8 (0.8, 3.1)   | 0.0000228 (0.0000110, 0.0000402) | 0.02899 (0.01377, 0.04984) |
| Sulawesi Barat | Other communicable diseases                   | 5   | 17.6 (13.0, 23.2) | 0.000214 (0.0001572, 0.0002815)  | 0.2059 (0.15525, 0.26462)  | 13.1 (9.6, 17.2) | 0.0001707 (0.0001243, 0.0002235) | 0.2165 (0.15947, 0.28092)  |
| Sulawesi Barat | Other malignant neoplasms                     | 5   | 3.3 (1.8, 5.5)    | 0.0000398 (0.0000213, 0.0000673) | 0.03825 (0.02069, 0.06281) | 3.5 (1.9, 5.8)   | 0.0000455 (0.0000253, 0.0000756) | 0.05768 (0.03216, 0.09441) |
| Sulawesi Barat | Cerebrovascular disease                       | 5   | 0.5 (0.2, 1.0)    | 0.0000059 (0.0000027, 0.0000120) | 0.00572 (0.00261, 0.01146) | 0.7 (0.3, 1.2)   | 0.0000086 (0.0000042, 0.0000155) | 0.01092 (0.00532, 0.01938) |
| Sulawesi Barat | Ischemic heart disease                        | 5   | 0.2 (0.1, 0.5)    | 0.0000026 (0.0000009, 0.0000060) | 0.00251 (0.00088, 0.00568) | 0.3 (0.1, 0.6)   | 0.0000038 (0.0000014, 0.0000084) | 0.00481 (0.00180, 0.01060) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 5   | 0.4 (0.1, 1.0)    | 0.0000052 (0.0000018, 0.0000126) | 0.00497 (0.00168, 0.01204) | 0.6 (0.2, 1.2)   | 0.0000074 (0.0000027, 0.0000160) | 0.00936 (0.00348, 0.02032) |
| Sulawesi Barat | Diabetes mellitus                             | 5   | 0.4 (0.2, 1.0)    | 0.0000053 (0.0000019, 0.0000120) | 0.00511 (0.00193, 0.01146) | 0.5 (0.2, 1.1)   | 0.0000067 (0.0000026, 0.0000144) | 0.00846 (0.00329, 0.01886) |
| Sulawesi Barat | Chronic kidney disease                        | 5   | 1.0 (0.4, 1.7)    | 0.0000115 (0.0000055, 0.0000211) | 0.01109 (0.00527, 0.01998) | 1.0 (0.5, 1.7)   | 0.0000125 (0.0000062, 0.0000219) | 0.01591 (0.00803, 0.02792) |
| Sulawesi Barat | Cirrhosis                                     | 5   | 1.7 (0.7, 3.2)    | 0.0000205 (0.0000090, 0.0000394) | 0.01969 (0.00882, 0.03724) | 1.0 (0.5, 1.8)   | 0.000013 (0.0000059, 0.0000239)  | 0.01644 (0.00754, 0.02983) |
| Sulawesi Barat | Chronic respiratory diseases                  | 5   | 2.2 (1.1, 3.8)    | 0.0000262 (0.0000135, 0.0000456) | 0.02527 (0.01284, 0.04341) | 1.0 (0.5, 2.0)   | 0.0000136 (0.0000061, 0.0000263) | 0.01724 (0.00788, 0.03294) |
| Sulawesi Barat | Other non-communicable diseases               | 5   | 7.0 (4.7, 9.8)    | 0.0000844 (0.0000576, 0.0001185) | 0.08126 (0.05721, 0.11237) | 8.4 (6.0, 11.3)  | 0.0001089 (0.0000777, 0.0001467) | 0.13807 (0.10157, 0.18362) |
| Sulawesi Barat | Drowning                                      | 5   | 16.3 (10.8, 22.5) | 0.0001974 (0.0001312, 0.0002729) | 0.18985 (0.12861, 0.25450) | 6.8 (3.9, 10.2)  | 0.0000885 (0.0000507, 0.0001324) | 0.1123 (0.06555, 0.16769)  |
| Sulawesi Barat | Falls                                         | 5   | 1.8 (0.8, 3.4)    | 0.0000215 (0.0000091, 0.0000408) | 0.02068 (0.00893, 0.03859) | 0.9 (0.4, 1.8)   | 0.0000117 (0.0000048, 0.0000233) | 0.01487 (0.00626, 0.02978) |
| Sulawesi Barat | Interpersonal violence                        | 5   | 0.6 (0.2, 1.2)    | 0.0000071 (0.0000028, 0.0000148) | 0.00678 (0.00271, 0.01406) | 0.5 (0.2, 1.1)   | 0.0000068 (0.0000028, 0.0000143) | 0.00856 (0.00347, 0.01819) |
| Sulawesi Barat | Transport injuries                            | 5   | 9.9 (5.8, 14.8)   | 0.0001206 (0.0000704, 0.0001801) | 0.11608 (0.06962, 0.17252) | 4.1 (2.2, 6.7)   | 0.0000532 (0.0000288, 0.0000866) | 0.0674 (0.03634, 0.11017)  |
| Sulawesi Barat | Other unintentional injuries                  | 5   | 3.5 (2.1, 5.6)    | 0.0000429 (0.0000258, 0.0000685) | 0.04124 (0.02557, 0.06458) | 1.8 (1.0, 3.0)   | 0.0000234 (0.0000130, 0.0000389) | 0.02967 (0.01643, 0.04963) |
| Sulawesi Barat | Diarrheal diseases                            | 10  | 2.4 (1.2, 4.3)    | 0.0000327 (0.0000158, 0.0000575) | 0.03417 (0.01652, 0.05914) | 2.8 (1.4, 4.8)   | 0.0000408 (0.0000203, 0.0000690) | 0.0506 (0.02498, 0.08547)  |
| Sulawesi Barat | HIV/AIDS                                      | 10  | 0.5 (0.1, 1.5)    | 0.0000068 (0.0000013, 0.0000202) | 0.00709 (0.00147, 0.02174) | 0.4 (0.1, 1.3)   | 0.0000063 (0.0000012, 0.0000191) | 0.00783 (0.00155, 0.02404) |
| Sulawesi Barat | Lower respiratory infections                  | 10  | 5.5 (3.2, 8.4)    | 0.0000743 (0.0000432, 0.0001132) | 0.07762 (0.04607, 0.11880) | 4.5 (2.7, 7.0)   | 0.0000656 (0.0000387, 0.0001016) | 0.08139 (0.04900, 0.12647) |
| Sulawesi Barat | Malaria                                       | 10  | 0.7 (0.1, 2.1)    | 0.0000093 (0.0000012, 0.0000281) | 0.00969 (0.00132, 0.02874) | 0.6 (0.1, 1.7)   | 0.0000086 (0.0000012, 0.0000249) | 0.01071 (0.00146, 0.03097) |
| Sulawesi Barat | Tuberculosis                                  | 10  | 4.2 (2.3, 6.8)    | 0.000057 (0.0000314, 0.0000914)  | 0.05963 (0.03282, 0.09601) | 3.9 (2.1, 6.1)   | 0.0000556 (0.0000303, 0.0000888) | 0.06908 (0.03785, 0.10939) |
| Sulawesi Barat | Maternal disorders                            | 10  |                   |                                  |                            | 0.1 (0.0, 0.3)   | 0.0000017 (0.0000003, 0.0000047) | 0.00216 (0.00035, 0.00583) |
| Sulawesi Barat | Other communicable diseases                   | 10  | 10.7 (7.6, 14.4)  | 0.0001449 (0.0001024, 0.0001951) | 0.15137 (0.10957, 0.20008) | 8.7 (5.9, 11.6)  | 0.0001251 (0.0000854, 0.0001681) | 0.1552 (0.10948, 0.20646)  |
| Sulawesi Barat | Other malignant neoplasms                     | 10  | 4.0 (2.3, 6.2)    | 0.0000541 (0.0000313, 0.0000842) | 0.05645 (0.03323, 0.08666) | 5.0 (3.1, 7.6)   | 0.0000721 (0.0000449, 0.0001091) | 0.08946 (0.05615, 0.13401) |
| Sulawesi Barat | Cerebrovascular disease                       | 10  | 0.7 (0.4, 1.2)    | 0.0000092 (0.0000051, 0.0000163) | 0.00957 (0.00517, 0.01719) | 1.0 (0.5, 1.7)   | 0.0000145 (0.0000079, 0.0000240) | 0.01796 (0.00999, 0.02932) |
| Sulawesi Barat | Ischemic heart disease                        | 10  | 0.5 (0.2, 0.8)    | 0.0000061 (0.0000031, 0.0000110) | 0.00641 (0.00324, 0.01191) | 0.7 (0.3, 1.2)   | 0.0000096 (0.0000050, 0.0000171) | 0.01194 (0.00615, 0.02042) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 10  | 0.5 (0.2, 1.1)    | 0.0000074 (0.0000032, 0.0000153) | 0.0077 (0.00331, 0.01572)  | 0.8 (0.4, 1.6)   | 0.0000118 (0.0000051, 0.0000236) | 0.01463 (0.00626, 0.02897) |
| Sulawesi Barat | Diabetes mellitus                             | 10  | 0.5 (0.3, 0.9)    | 0.0000071 (0.0000035, 0.0000127) | 0.00746 (0.00374, 0.01335) | 0.7 (0.4, 1.2)   | 0.0000102 (0.0000051, 0.0000176) | 0.01261 (0.00642, 0.02220) |
| Sulawesi Barat | Chronic kidney disease                        | 10  | 1.1 (0.7, 1.8)    | 0.0000154 (0.0000088, 0.0000246) | 0.01605 (0.00945, 0.02544) | 1.3 (0.8, 2.1)   | 0.0000109 (0.0000109, 0.0000305) | 0.02358 (0.01379, 0.03745) |
| Sulawesi Barat | Cirrhosis                                     | 10  | 1.6 (0.8, 2.8)    | 0.0000217 (0.0000108, 0.0000381) | 0.02271 (0.01137, 0.03912) | 1.1 (0.5, 1.8)   | 0.0000154 (0.0000075, 0.0000267) | 0.01908 (0.00952, 0.03226) |
| Sulawesi Barat | Chronic respiratory diseases                  | 10  | 3.4 (2.0, 5.3)    | 0.000046 (0.0000272, 0.0000718)  | 0.04801 (0.02876, 0.07257) | 2.0 (1.0, 3.3)   | 0.0000286 (0.0000148, 0.0000472) | 0.03548 (0.01846, 0.05855) |
| Sulawesi Barat | Other non-communicable diseases               | 10  | 6.9 (5.0, 9.4)    | 0.0000934 (0.0000674, 0.0001269) | 0.0975 (0.07133, 0.13109)  | 9.1 (6.8, 12.1)  | 0.0001319 (0.0000977, 0.0001746) | 0.16367 (0.12307, 0.20968) |
| Sulawesi Barat | Drowning                                      | 10  | 7.5 (4.5, 11.3)   | 0.0001018 (0.0000612, 0.0001531) | 0.10636 (0.06567, 0.15845) | 3.0 (1.5, 5.1)   | 0.0000426 (0.0000212, 0.0000735) | 0.05284 (0.02658, 0.09073) |
| Sulawesi Barat | Falls                                         | 10  | 1.4 (0.6, 2.6)    | 0.0000185 (0.0000077, 0.0000351) | 0.01928 (0.00800, 0.03710) | 0.7 (0.3, 1.4)   | 0.00001 (0.0000039, 0.0000200)   | 0.01242 (0.00480, 0.02446) |
| Sulawesi Barat | Interpersonal violence                        | 10  | 0.8 (0.4, 1.5)    | 0.0000113 (0.0000057, 0.0000201) | 0.01179 (0.00610, 0.02091) | 0.8 (0.4, 1.4)   | 0.0000112 (0.0000054, 0.0000207) | 0.01391 (0.00669, 0.02526) |
| Sulawesi Barat | Self-harm                                     | 10  | 1.7 (0.6, 3.4)    | 0.0000232 (0.0000084, 0.0000456) | 0.0242 (0.00876, 0.04755)  | 1.4 (0.5, 2.7)   | 0.0000197 (0.0000074, 0.0000391) | 0.02445 (0.00947, 0.04845) |
| Sulawesi Barat | Transport injuries                            | 10  | 12.9 (8.8, 17.5)  | 0.0001745 (0.0001196, 0.0002369) | 0.18234 (0.12526, 0.24461) | 5.7 (3.4, 8.7)   | 0.0000819 (0.0000491, 0.0001252) | 0.10161 (0.06090, 0.15331) |
| Sulawesi Barat | Other unintentional injuries                  | 10  | 3.2 (2.0, 4.7)    | 0.0000427 (0.0000272, 0.0000643) | 0.04461 (0.02864, 0.06701) | 1.6 (0.9, 2.7)   | 0.0000237 (0.0000134, 0.0000389) | 0.02938 (0.01671, 0.04786) |
| Sulawesi Barat | Diarrheal diseases                            | 15  | 1.1 (0.5, 2.1)    | 0.0000193 (0.0000084, 0.0000371) | 0.01386 (0.00606, 0.02549) | 1.3 (0.5, 2.5)   | 0.0000217 (0.0000090, 0.0000408) | 0.01629 (0.00693, 0.02998) |
| Sulawesi Barat | HIV/AIDS                                      | 15  | 0.4 (0.1, 1.3)    | 0.0000071 (0.0000012, 0.0000220) | 0.00509 (0.00089, 0.01552) | 0.4 (0.1, 1.2)   | 0.000006 (0.0000010, 0.0000194)  | 0.00448 (0.00073, 0.01419) |
| Sulawesi Barat | Lower respiratory infections                  | 15  | 2.7 (1.3, 4.6)    | 0.0000463 (0.0000232, 0.0000799) | 0.0332 (0.01759, 0.05851)  | 2.0 (1.0, 3.5)   | 0.0000328 (0.0000161, 0.0000581) | 0.0246 (0.01232, 0.04466)  |
| Sulawesi Barat | Malaria                                       | 15  | 1.1 (0.1, 3.0)    | 0.0000194 (0.0000024, 0.0000527) | 0.01393 (0.00185, 0.03685) | 1.0 (0.1, 3.0)   | 0.0000172 (0.0000023, 0.0000496) | 0.01294 (0.00176, 0.03732) |
| Sulawesi Barat | Tuberculosis                                  | 15  | 6.0 (3.7, 9.1)    | 0.0001049 (0.0000635, 0.0001577) | 0.07538 (0.04788, 0.11032) | 5.2 (3.1, 7.7)   | 0.0000855 (0.0000511, 0.0001282) | 0.06416 (0.03914, 0.09589) |
| Sulawesi Barat | Maternal disorders                            | 15  |                   |                                  |                            | 4.6 (2.4, 7.6)   | 0.0000765 (0.0000402, 0.0001254) | 0.05742 (0.03059, 0.09464) |
| Sulawesi Barat | Other communicable diseases                   | 15  | 6.5 (4.0, 9.7)    | 0.000112 (0.0000694, 0.0001690)  | 0.08037 (0.05218, 0.11247) | 5.1 (3.0, 7.6)   | 0.0000842 (0.0000499, 0.0001262) | 0.06313 (0.03841, 0.09488) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 15  | 0.2 (0.0, 0.6)    | 0.0000037 (0.0000008, 0.0000101) | 0.00263 (0.00053, 0.00737) | 0.1 (0.0, 0.4)   | 0.0000024 (0.0000005, 0.0000064) | 0.00181 (0.00039, 0.00481) |
| Sulawesi Barat | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000003 (0.0000000, 0.0000011) | 0.00019 (0.00002, 0.00077) | 0.7 (0.2, 1.8)   | 0.0000118 (0.0000029, 0.0000300) | 0.00885 (0.00224, 0.02330) |
| Sulawesi Barat | Cervical cancer                               | 15  |                   |                                  |                            | 0.7 (0.1, 1.9)   | 0.0000109 (0.0000023, 0.0000307) | 0.0082 (0.00171, 0.02362)  |
| Sulawesi Barat | Other malignant neoplasms                     | 15  | 3.4 (1.9, 5.4)    | 0.0000585 (0.0000334, 0.0000932) | 0.04196 (0.02569, 0.06430) | 6.6 (4.0, 10.0)  | 0.0001087 (0.0000661, 0.0001649) | 0.08153 (0.05037, 0.12122) |
| Sulawesi Barat | Cerebrovascular disease                       | 15  | 1.1 (0.6, 1.9)    | 0.0000193 (0.0000105, 0.0000327) | 0.0139 (0.00778, 0.02365)  | 1.9 (1.0, 3.1)   | 0.0000308 (0.0000166, 0.0000514) | 0.02313 (0.01246, 0.03805) |
| Sulawesi Barat | Ischemic heart disease                        | 15  | 1.2 (0.7, 2.1)    | 0.0000214 (0.0000118, 0.0000360) | 0.01535 (0.00863, 0.02492) | 1.7 (0.9, 2.8)   | 0.0000287 (0.0000157, 0.0000468) | 0.02154 (0.01195, 0.03531) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 15  | 0.7 (0.3, 1.4)    | 0.000012 (0.0000048, 0.0000246)  | 0.00865 (0.00353, 0.01749)  | 1.4 (0.5, 2.7)    | 0.0000224 (0.0000085, 0.0000439) | 0.01683 (0.00664, 0.03305) |
| Sulawesi Barat | Diabetes mellitus                             | 15  | 0.7 (0.3, 1.2)    | 0.0000114 (0.0000056, 0.0000206) | 0.00816 (0.00410, 0.01457)  | 1.2 (0.6, 2.2)    | 0.0000195 (0.0000094, 0.0000372) | 0.01459 (0.00707, 0.02752) |
| Sulawesi Barat | Chronic kidney disease                        | 15  | 1.2 (0.7, 2.0)    | 0.0000216 (0.0000122, 0.0000355) | 0.01548 (0.00935, 0.02430)  | 2.0 (1.2, 3.3)    | 0.0000325 (0.0000192, 0.0000547) | 0.02438 (0.01463, 0.03973) |
| Sulawesi Barat | Cirrhosis                                     | 15  | 1.7 (0.8, 2.9)    | 0.0000292 (0.0000138, 0.0000511) | 0.02097 (0.01047, 0.03661)  | 1.4 (0.7, 2.6)    | 0.0000239 (0.0000116, 0.0000426) | 0.01797 (0.00862, 0.03129) |
| Sulawesi Barat | Chronic respiratory diseases                  | 15  | 2.4 (1.3, 4.0)    | 0.0000412 (0.0000223, 0.0000689) | 0.02959 (0.01693, 0.04630)  | 2.2 (1.1, 3.8)    | 0.0000368 (0.0000190, 0.0000627) | 0.02759 (0.01420, 0.04630) |
| Sulawesi Barat | Other non-communicable diseases               | 15  | 7.0 (4.9, 9.7)    | 0.0001219 (0.0000850, 0.0001683) | 0.0875 (0.06467, 0.11608)   | 11.2 (7.8, 15.1)  | 0.0001853 (0.0001295, 0.0002505) | 0.13901 (0.10221, 0.17941) |
| Sulawesi Barat | Drowning                                      | 15  | 4.5 (2.4, 7.3)    | 0.0000777 (0.0000410, 0.0001273) | 0.05579 (0.03065, 0.09128)  | 2.0 (0.9, 3.6)    | 0.0000333 (0.0000153, 0.0000597) | 0.02495 (0.01150, 0.04424) |
| Sulawesi Barat | Falls                                         | 15  | 1.2 (0.6, 2.3)    | 0.0000215 (0.0000096, 0.0000407) | 0.01546 (0.00713, 0.02908)  | 0.8 (0.3, 1.6)    | 0.0000131 (0.0000054, 0.0000263) | 0.0098 (0.00417, 0.02020)  |
| Sulawesi Barat | Interpersonal violence                        | 15  | 1.4 (0.8, 2.4)    | 0.0000243 (0.0000133, 0.0000411) | 0.01748 (0.00991, 0.02902)  | 1.8 (0.9, 3.4)    | 0.0000306 (0.0000156, 0.0000563) | 0.02292 (0.01190, 0.04069) |
| Sulawesi Barat | Self-harm                                     | 15  | 2.3 (1.1, 4.1)    | 0.00004 (0.0000189, 0.0000707)   | 0.02873 (0.01428, 0.05028)  | 2.7 (1.2, 4.8)    | 0.0000439 (0.0000207, 0.0000789) | 0.0329 (0.01578, 0.05786)  |
| Sulawesi Barat | Transport injuries                            | 15  | 29.6 (22.6, 37.1) | 0.0005128 (0.0003921, 0.0006433) | 0.36818 (0.30988, 0.42637)  | 20.0 (14.6, 26.4) | 0.0003305 (0.0002419, 0.0004375) | 0.24776 (0.18545, 0.31059) |
| Sulawesi Barat | Other unintentional injuries                  | 15  | 3.9 (2.5, 5.7)    | 0.0000671 (0.0000431, 0.0000986) | 0.04815 (0.03249, 0.06824)  | 2.7 (1.5, 4.2)    | 0.0000444 (0.0000241, 0.0000703) | 0.03324 (0.01910, 0.05137) |
| Sulawesi Barat | Diarrheal diseases                            | 20  | 1.1 (0.5, 2.0)    | 0.0000221 (0.0000096, 0.0000414) | 0.01202 (0.00534, 0.02191)  | 1.0 (0.4, 1.9)    | 0.000019 (0.0000077, 0.0000366)  | 0.01062 (0.00448, 0.01976) |
| Sulawesi Barat | HIV/AIDS                                      | 20  | 1.3 (0.3, 3.6)    | 0.0000275 (0.0000058, 0.0000741) | 0.01499 (0.00346, 0.03939)  | 0.9 (0.2, 2.3)    | 0.0000166 (0.0000037, 0.0000443) | 0.00931 (0.00210, 0.02503) |
| Sulawesi Barat | Lower respiratory infections                  | 20  | 2.6 (1.3, 4.7)    | 0.0000534 (0.0000260, 0.0000966) | 0.0291 (0.01455, 0.05312)   | 1.4 (0.6, 2.5)    | 0.0000262 (0.0000124, 0.0000481) | 0.01464 (0.00704, 0.02658) |
| Sulawesi Barat | Malaria                                       | 20  | 1.3 (0.2, 3.5)    | 0.0000275 (0.0000037, 0.0000728) | 0.01503 (0.000212, 0.03938) | 0.9 (0.1, 2.4)    | 0.0000171 (0.0000024, 0.0000454) | 0.00958 (0.00137, 0.02528) |
| Sulawesi Barat | Tuberculosis                                  | 20  | 11.7 (7.6, 17.0)  | 0.0002418 (0.0001560, 0.0003507) | 0.132 (0.09168, 0.17901)    | 6.3 (3.7, 9.4)    | 0.0001204 (0.0000714, 0.0001800) | 0.06727 (0.04100, 0.09871) |
| Sulawesi Barat | Maternal disorders                            | 20  |                   |                                  |                             | 13.2 (8.6, 18.5)  | 0.0002526 (0.0001647, 0.0003546) | 0.14119 (0.09370, 0.19148) |
| Sulawesi Barat | Other communicable diseases                   | 20  | 8.1 (4.9, 12.2)   | 0.0001662 (0.0001018, 0.0002520) | 0.09063 (0.05782, 0.12797)  | 5.1 (3.0, 7.9)    | 0.0000984 (0.0000568, 0.0001514) | 0.05495 (0.03276, 0.08042) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 20  | 0.2 (0.0, 0.5)    | 0.0000035 (0.0000008, 0.0000100) | 0.00191 (0.00043, 0.00542)  | 0.2 (0.1, 0.5)    | 0.0000043 (0.0000010, 0.0000105) | 0.00239 (0.00059, 0.00576) |
| Sulawesi Barat | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000012) | 0.00021 (0.00004, 0.00066)  | 2.0 (0.7, 4.1)    | 0.000038 (0.0000140, 0.0000788)  | 0.02123 (0.00777, 0.04397) |
| Sulawesi Barat | Cervical cancer                               | 20  |                   |                                  |                             | 1.7 (0.4, 4.1)    | 0.0000319 (0.0000081, 0.0000787) | 0.01787 (0.00480, 0.03477) |
| Sulawesi Barat | Other malignant neoplasms                     | 20  | 3.0 (1.7, 4.9)    | 0.0000615 (0.0000346, 0.0001008) | 0.03353 (0.01954, 0.05247)  | 7.1 (4.1, 10.9)   | 0.0001363 (0.0000783, 0.0002099) | 0.07611 (0.04560, 0.11352) |
| Sulawesi Barat | Cerebrovascular disease                       | 20  | 2.1 (1.3, 3.3)    | 0.0000428 (0.0000261, 0.0000688) | 0.02331 (0.01491, 0.03507)  | 3.1 (1.9, 4.8)    | 0.00006 (0.0000360, 0.0000917)   | 0.03356 (0.02139, 0.04965) |
| Sulawesi Barat | Ischemic heart disease                        | 20  | 2.2 (1.3, 3.5)    | 0.0000455 (0.0000270, 0.0000727) | 0.02482 (0.01577, 0.03807)  | 2.1 (1.3, 3.4)    | 0.0000411 (0.0000247, 0.0000644) | 0.023 (0.01427, 0.03592)   |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 20  | 1.0 (0.5, 1.9)    | 0.0000212 (0.0000100, 0.0000384) | 0.0116 (0.00560, 0.02089)   | 2.0 (0.9, 3.6)    | 0.0000385 (0.0000177, 0.0000695) | 0.0215 (0.01063, 0.03759)  |
| Sulawesi Barat | Diabetes mellitus                             | 20  | 0.6 (0.3, 1.0)    | 0.0000123 (0.0000063, 0.0000210) | 0.00672 (0.00364, 0.01140)  | 1.1 (0.6, 1.9)    | 0.0000207 (0.0000112, 0.0000358) | 0.01155 (0.00639, 0.01927) |
| Sulawesi Barat | Chronic kidney disease                        | 20  | 1.8 (1.1, 2.9)    | 0.0000374 (0.0000218, 0.0000594) | 0.02036 (0.01267, 0.03037)  | 2.8 (1.7, 4.3)    | 0.000054 (0.0000329, 0.0000820)  | 0.03024 (0.01903, 0.04440) |
| Sulawesi Barat | Cirrhosis                                     | 20  | 2.6 (1.2, 4.3)    | 0.0000529 (0.0000255, 0.0000880) | 0.02887 (0.01507, 0.04661)  | 2.4 (1.2, 3.9)    | 0.0000451 (0.0000227, 0.0000741) | 0.02522 (0.01288, 0.03987) |
| Sulawesi Barat | Chronic respiratory diseases                  | 20  | 4.5 (2.8, 7.1)    | 0.0000934 (0.0000569, 0.0001461) | 0.05093 (0.03271, 0.07539)  | 5.4 (3.4, 8.3)    | 0.000104 (0.0000646, 0.0001600)  | 0.05808 (0.03684, 0.08399) |
| Sulawesi Barat | Other non-communicable diseases               | 20  | 6.6 (4.4, 9.4)    | 0.0001359 (0.0000910, 0.0001927) | 0.07413 (0.05386, 0.09895)  | 10.1 (7.1, 13.8)  | 0.0001935 (0.0001362, 0.0002639) | 0.1081 (0.07967, 0.14126)  |
| Sulawesi Barat | Drowning                                      | 20  | 3.4 (1.7, 6.1)    | 0.0000708 (0.0000343, 0.0001247) | 0.03866 (0.01954, 0.06664)  | 1.6 (0.7, 3.2)    | 0.0000314 (0.0000136, 0.0000609) | 0.01752 (0.00804, 0.03343) |
| Sulawesi Barat | Falls                                         | 20  | 1.3 (0.5, 2.4)    | 0.0000259 (0.0000110, 0.0000486) | 0.01412 (0.00643, 0.02609)  | 0.8 (0.3, 1.6)    | 0.0000156 (0.0000067, 0.0000311) | 0.00871 (0.00373, 0.01745) |
| Sulawesi Barat | Interpersonal violence                        | 20  | 1.6 (0.9, 2.8)    | 0.0000337 (0.0000179, 0.0000578) | 0.01838 (0.01021, 0.03004)  | 1.9 (0.9, 3.4)    | 0.0000357 (0.0000173, 0.0000653) | 0.01993 (0.00995, 0.03464) |
| Sulawesi Barat | Self-harm                                     | 20  | 2.3 (1.0, 4.0)    | 0.0000469 (0.0000213, 0.0000824) | 0.02557 (0.01245, 0.04497)  | 2.2 (1.0, 4.2)    | 0.0000426 (0.0000201, 0.0000808) | 0.02374 (0.01148, 0.04415) |
| Sulawesi Barat | Transport injuries                            | 20  | 25.4 (18.4, 34.0) | 0.0005223 (0.0003782, 0.0006994) | 0.28482 (0.22699, 0.34228)  | 15.3 (10.6, 21.4) | 0.0002936 (0.0002041, 0.0004102) | 0.16399 (0.11795, 0.22034) |
| Sulawesi Barat | Other unintentional injuries                  | 20  | 4.3 (2.7, 6.7)    | 0.0000886 (0.0000548, 0.0001369) | 0.04829 (0.03114, 0.06974)  | 2.8 (1.5, 4.6)    | 0.0000532 (0.0000288, 0.0000881) | 0.02968 (0.01686, 0.04696) |
| Sulawesi Barat | Diarrheal diseases                            | 25  | 1.8 (0.8, 3.3)    | 0.0000349 (0.0000162, 0.0000644) | 0.01587 (0.00750, 0.02922)  | 2.2 (1.0, 4.1)    | 0.0000412 (0.0000186, 0.0000755) | 0.01765 (0.00824, 0.03227) |
| Sulawesi Barat | HIV/AIDS                                      | 25  | 2.8 (0.6, 7.0)    | 0.0000548 (0.0000122, 0.0001365) | 0.02481 (0.00600, 0.06057)  | 2.5 (0.6, 6.1)    | 0.0000459 (0.0000113, 0.0001129) | 0.01972 (0.00464, 0.04732) |
| Sulawesi Barat | Lower respiratory infections                  | 25  | 3.2 (1.5, 5.8)    | 0.0000602 (0.0000290, 0.0001137) | 0.02812 (0.01388, 0.05142)  | 2.2 (1.0, 4.2)    | 0.0000412 (0.0000195, 0.0000789) | 0.01766 (0.00536, 0.03341) |
| Sulawesi Barat | Malaria                                       | 25  | 1.6 (0.2, 4.5)    | 0.0000314 (0.0000042, 0.0000869) | 0.01426 (0.00193, 0.03947)  | 1.4 (0.2, 4.0)    | 0.000027 (0.0000037, 0.0000743)  | 0.0116 (0.00156, 0.03195)  |
| Sulawesi Barat | Tuberculosis                                  | 25  | 17.8 (12.0, 25.4) | 0.0003463 (0.0002331, 0.0004936) | 0.15719 (0.10834, 0.20798)  | 12.7 (7.5, 18.2)  | 0.0002358 (0.0001390, 0.0003400) | 0.10106 (0.06497, 0.13997) |
| Sulawesi Barat | Maternal disorders                            | 25  |                   |                                  |                             | 11.7 (7.0, 17.5)  | 0.0002174 (0.0001305, 0.0003268) | 0.09315 (0.05827, 0.13516) |
| Sulawesi Barat | Other communicable diseases                   | 25  | 10.3 (6.5, 15.3)  | 0.0002001 (0.0001261, 0.0002967) | 0.09085 (0.05810, 0.12590)  | 8.6 (5.1, 12.8)   | 0.0001612 (0.0000955, 0.0002382) | 0.06906 (0.04352, 0.09861) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 25  | 0.3 (0.1, 0.7)    | 0.0000053 (0.0000012, 0.0000141) | 0.00242 (0.00059, 0.00638)  | 0.4 (0.1, 0.8)    | 0.0000066 (0.0000017, 0.0000155) | 0.00285 (0.00074, 0.00676) |
| Sulawesi Barat | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000005 (0.0000001, 0.0000014) | 0.00021 (0.00004, 0.00063)  | 4.9 (2.1, 8.8)    | 0.0000908 (0.0000395, 0.0001648) | 0.03888 (0.01811, 0.06921) |
| Sulawesi Barat | Cervical cancer                               | 25  |                   |                                  |                             | 3.2 (1.0, 7.3)    | 0.0000594 (0.0000185, 0.0001354) | 0.02552 (0.00807, 0.05803) |
| Sulawesi Barat | Other malignant neoplasms                     | 25  | 4.7 (2.7, 7.4)    | 0.0000906 (0.0000517, 0.0001447) | 0.0411 (0.02459, 0.06198)   | 9.4 (5.4, 14.9)   | 0.0001752 (0.0000998, 0.0002779) | 0.07506 (0.04405, 0.11343) |
| Sulawesi Barat | Cerebrovascular disease                       | 25  | 4.4 (2.8, 6.5)    | 0.0000853 (0.0000552, 0.0001258) | 0.03871 (0.02647, 0.05455)  | 6.4 (4.2, 9.4)    | 0.0001195 (0.0000774, 0.0001752) | 0.05124 (0.03536, 0.07241) |
| Sulawesi Barat | Ischemic heart disease                        | 25  | 4.8 (3.0, 7.2)    | 0.0000937 (0.0000589, 0.0001394) | 0.04257 (0.02835, 0.06163)  | 4.4 (2.7, 6.6)    | 0.0000819 (0.0000511, 0.0001237) | 0.03515 (0.02321, 0.05141) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 25  | 1.6 (0.8, 2.9)    | 0.0000312 (0.0000153, 0.0000566) | 0.01414 (0.00693, 0.02536)  | 3.1 (1.5, 5.5)    | 0.0000582 (0.0000274, 0.0001028) | 0.02491 (0.01248, 0.04236) |
| Sulawesi Barat | Diabetes mellitus                             | 25  | 1.2 (0.7, 1.9)    | 0.0000226 (0.0000136, 0.0000378) | 0.01027 (0.00645, 0.01626)  | 2.0 (1.2, 3.2)    | 0.0000381 (0.0000227, 0.0000605) | 0.01632 (0.01039, 0.02472) |
| Sulawesi Barat | Chronic kidney disease                        | 25  | 2.3 (1.4, 3.6)    | 0.0000456 (0.0000279, 0.0000692) | 0.02067 (0.01344, 0.02956)  | 3.6 (2.2, 5.2)    | 0.0000665 (0.0000415, 0.0000964) | 0.02853 (0.01892, 0.04064) |
| Sulawesi Barat | Cirrhosis                                     | 25  | 4.2 (2.2, 6.8)    | 0.000082 (0.0000426, 0.0001329)  | 0.03725 (0.02000, 0.05936)  | 3.8 (1.9, 6.1)    | 0.00007 (0.0000361, 0.0001129)   | 0.03002 (0.01587, 0.04524) |
| Sulawesi Barat | Chronic respiratory diseases                  | 25  | 6.5 (3.9, 9.9)    | 0.0001259 (0.0000765, 0.0001935) | 0.05707 (0.03622, 0.08352)  | 7.9 (4.8, 12.2)   | 0.0001474 (0.0000903, 0.0002267) | 0.0631 (0.04005, 0.09054)  |
| Sulawesi Barat | Other non-communicable diseases               | 25  | 9.0 (6.2, 12.6)   | 0.0001761 (0.0001211, 0.0002461) | 0.07989 (0.05890, 0.10572)  | 13.6 (9.6, 18.6)  | 0.0002543 (0.0001794, 0.0003475) | 0.109 (0.08212, 0.14009)   |
| Sulawesi Barat | Drowning                                      | 25  | 2.9 (1.3, 5.5)    | 0.0000561 (0.0000246, 0.0001076) | 0.02552 (0.01129, 0.04742)  | 1.2 (0.5, 2.5)    | 0.0000231 (0.0000094, 0.0000467) | 0.00989 (0.00419, 0.01914) |
| Sulawesi Barat | Falls                                         | 25  | 2.2 (0.9, 3.9)    | 0.0000424 (0.0000179, 0.0000760) | 0.01923 (0.00817, 0.03485)  | 1.3 (0.5, 2.6)    | 0.0000242 (0.0000098, 0.0000478) | 0.01038 (0.00426, 0.01958) |
| Sulawesi Barat | Interpersonal violence                        | 25  | 1.8 (1.0, 3.3)    | 0.000036 (0.0000187, 0.0000634)  | 0.01632 (0.00891, 0.02812)  | 2.0 (1.0, 3.5)    | 0.0000437 (0.0000178, 0.0000660) | 0.01584 (0.00775, 0.02717) |
| Sulawesi Barat | Self-harm                                     | 25  | 2.3 (1.1, 4.3)    | 0.0000457 (0.0000205, 0.0000836) | 0.02072 (0.00955, 0.03793)  | 2.2 (1.0, 4.1)    | 0.0000403 (0.0000184, 0.0000765) | 0.01723 (0.00820, 0.03083) |
| Sulawesi Barat | Transport injuries                            | 25  | 21.6 (15.0, 30.4) | 0.0004194 (0.0002922, 0.0005917) | 0.19031 (0.13618, 0.24426)  | 11.0 (6.7, 17.0)  | 0.0002044 (0.0001254, 0.0003176) | 0.08759 (0.05635, 0.12572) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Barat | Other unintentional injuries                  | 25  | 5.9 (3.6, 9.6)    | 0.0001157 (0.0000707, 0.0001877) | 0.05249 (0.03271, 0.07888) | 3.6 (2.0, 5.9)    | 0.0000669 (0.0000366, 0.0001108) | 0.02861 (0.01630, 0.04551) |
| Sulawesi Barat | Diarrheal diseases                            | 30  | 2.0 (0.9, 3.5)    | 0.0000398 (0.0000181, 0.0000717) | 0.01601 (0.00742, 0.02811) | 2.4 (1.0, 4.3)    | 0.0000495 (0.0000211, 0.0000870) | 0.01669 (0.00772, 0.02917) |
| Sulawesi Barat | HIV/AIDS                                      | 30  | 2.9 (0.7, 7.3)    | 0.0000585 (0.0000136, 0.0001489) | 0.02351 (0.00602, 0.05642) | 2.6 (0.6, 6.2)    | 0.000052 (0.0000127, 0.0001267)  | 0.01756 (0.00426, 0.04297) |
| Sulawesi Barat | Lower respiratory infections                  | 30  | 2.9 (1.4, 5.4)    | 0.0000585 (0.0000279, 0.0001109) | 0.02352 (0.01127, 0.04417) | 2.1 (1.0, 4.0)    | 0.0000423 (0.0000203, 0.0000815) | 0.01424 (0.00672, 0.02662) |
| Sulawesi Barat | Malaria                                       | 30  | 1.4 (0.2, 3.8)    | 0.0000288 (0.0000037, 0.0000778) | 0.0116 (0.00154, 0.03158)  | 1.2 (0.2, 3.5)    | 0.0000245 (0.0000035, 0.0000719) | 0.00828 (0.00113, 0.02313) |
| Sulawesi Barat | Tuberculosis                                  | 30  | 18.3 (12.4, 25.8) | 0.0003733 (0.0002524, 0.0005271) | 0.15032 (0.10473, 0.20021) | 12.6 (7.5, 18.3)  | 0.0002551 (0.0001528, 0.0003721) | 0.08592 (0.05503, 0.12101) |
| Sulawesi Barat | Maternal disorders                            | 30  |                   |                                  |                            | 12.9 (7.7, 19.6)  | 0.0002626 (0.0001563, 0.0003977) | 0.08841 (0.05439, 0.12911) |
| Sulawesi Barat | Other communicable diseases                   | 30  | 7.0 (4.2, 10.7)   | 0.000142 (0.0000849, 0.0002176)  | 0.05719 (0.03473, 0.08512) | 6.1 (3.4, 9.7)    | 0.0001233 (0.0000695, 0.0001961) | 0.0415 (0.02417, 0.06387)  |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 30  | 0.6 (0.1, 1.7)    | 0.0000126 (0.0000029, 0.0000345) | 0.0051 (0.00120, 0.01357)  | 0.4 (0.1, 1.1)    | 0.0000091 (0.0000023, 0.0000222) | 0.00306 (0.00086, 0.00754) |
| Sulawesi Barat | Breast cancer                                 | 30  | - (0.0, 0.1)      | 0.0000007 (0.0000001, 0.0000024) | 0.00029 (0.00005, 0.00094) | 8.5 (3.9, 14.6)   | 0.0001729 (0.0000798, 0.0002971) | 0.05815 (0.02829, 0.09603) |
| Sulawesi Barat | Cervical cancer                               | 30  |                   |                                  |                            | 5.4 (1.8, 11.7)   | 0.0001104 (0.0000356, 0.0002371) | 0.03723 (0.01224, 0.07821) |
| Sulawesi Barat | Other malignant neoplasms                     | 30  | 6.5 (3.9, 10.5)   | 0.0001335 (0.0000789, 0.0002147) | 0.05372 (0.03331, 0.08085) | 10.6 (5.8, 17.6)  | 0.0002159 (0.0001184, 0.0003580) | 0.07262 (0.03989, 0.11361) |
| Sulawesi Barat | Cerebrovascular disease                       | 30  | 7.6 (5.1, 10.8)   | 0.0001558 (0.0001044, 0.0002204) | 0.06274 (0.04360, 0.08508) | 11.3 (7.7, 15.9)  | 0.0002294 (0.0001564, 0.0003231) | 0.07726 (0.05524, 0.10376) |
| Sulawesi Barat | Ischemic heart disease                        | 30  | 8.1 (5.4, 11.5)   | 0.0001643 (0.0001096, 0.0002345) | 0.06622 (0.04610, 0.08982) | 7.1 (4.7, 10.6)   | 0.0001445 (0.0000945, 0.0002153) | 0.04869 (0.03349, 0.06792) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 30  | 2.2 (1.1, 3.9)    | 0.0000445 (0.0000223, 0.0000789) | 0.01792 (0.00920, 0.03102) | 4.3 (2.1, 7.3)    | 0.0000868 (0.0000429, 0.0001489) | 0.02919 (0.01530, 0.04903) |
| Sulawesi Barat | Diabetes mellitus                             | 30  | 2.1 (1.3, 3.4)    | 0.0000434 (0.0000269, 0.0000699) | 0.0175 (0.01126, 0.02654)  | 3.7 (2.2, 5.7)    | 0.0000743 (0.0000456, 0.0001166) | 0.025 (0.01654, 0.03666)   |
| Sulawesi Barat | Chronic kidney disease                        | 30  | 2.9 (1.8, 4.3)    | 0.0000587 (0.0000376, 0.0000869) | 0.02361 (0.01573, 0.03319) | 4.2 (2.7, 6.2)    | 0.0000858 (0.0000543, 0.0001266) | 0.0289 (0.01944, 0.04073)  |
| Sulawesi Barat | Cirrhosis                                     | 30  | 5.9 (3.2, 9.3)    | 0.0001205 (0.0000643, 0.0001904) | 0.04854 (0.02630, 0.07615) | 5.4 (2.8, 8.6)    | 0.000109 (0.0000560, 0.0001744)  | 0.03673 (0.01944, 0.05597) |
| Sulawesi Barat | Chronic respiratory diseases                  | 30  | 7.4 (4.4, 11.3)   | 0.0001505 (0.0000904, 0.0002305) | 0.06053 (0.03874, 0.08794) | 9.1 (5.6, 14.0)   | 0.0001838 (0.0001140, 0.0002849) | 0.06184 (0.03976, 0.08901) |
| Sulawesi Barat | Other non-communicable diseases               | 30  | 10.4 (7.2, 14.5)  | 0.000213 (0.0001479, 0.0002948)  | 0.08574 (0.06301, 0.11136) | 15.9 (11.2, 21.9) | 0.0003233 (0.0002266, 0.0004444) | 0.10886 (0.08125, 0.13995) |
| Sulawesi Barat | Drowning                                      | 30  | 3.0 (1.4, 5.6)    | 0.0000613 (0.0000284, 0.0001144) | 0.02467 (0.01192, 0.04536) | 1.5 (0.6, 3.1)    | 0.0000309 (0.0000127, 0.0000633) | 0.01041 (0.00471, 0.02010) |
| Sulawesi Barat | Falls                                         | 30  | 2.5 (1.1, 4.6)    | 0.0000514 (0.0000216, 0.0000933) | 0.02068 (0.00889, 0.03800) | 1.7 (0.7, 3.3)    | 0.0000345 (0.0000143, 0.0000661) | 0.01161 (0.00498, 0.02158) |
| Sulawesi Barat | Interpersonal violence                        | 30  | 1.6 (0.8, 2.8)    | 0.0000319 (0.0000162, 0.0000571) | 0.01286 (0.00673, 0.02242) | 1.7 (0.8, 3.1)    | 0.0000343 (0.0000154, 0.0000632) | 0.01151 (0.00551, 0.02049) |
| Sulawesi Barat | Self-harm                                     | 30  | 2.0 (0.9, 3.7)    | 0.0000406 (0.0000179, 0.0000762) | 0.01636 (0.00740, 0.02959) | 1.8 (0.8, 3.4)    | 0.0000366 (0.0000161, 0.0000693) | 0.01229 (0.00568, 0.02236) |
| Sulawesi Barat | Transport injuries                            | 30  | 18.9 (12.8, 26.8) | 0.0003852 (0.0002607, 0.0005465) | 0.15512 (0.10932, 0.20893) | 10.2 (6.3, 16.0)  | 0.000207 (0.0001277, 0.0003254)  | 0.06965 (0.04482, 0.10307) |
| Sulawesi Barat | Other unintentional injuries                  | 30  | 5.6 (3.4, 8.9)    | 0.0001149 (0.0000686, 0.0001814) | 0.04624 (0.02903, 0.07053) | 3.6 (1.9, 6.0)    | 0.0000726 (0.0000386, 0.0001222) | 0.0244 (0.01385, 0.03860)  |
| Sulawesi Barat | Diarrheal diseases                            | 35  | 1.7 (0.8, 3.1)    | 0.0000381 (0.0000170, 0.0000672) | 0.01193 (0.00551, 0.02136) | 2.2 (0.9, 4.0)    | 0.0000476 (0.0000203, 0.0000872) | 0.01061 (0.00479, 0.01868) |
| Sulawesi Barat | HIV/AIDS                                      | 35  | 2.6 (0.6, 6.6)    | 0.0000562 (0.0000132, 0.0001442) | 0.01757 (0.00425, 0.04513) | 2.2 (0.5, 5.8)    | 0.0000478 (0.0000116, 0.0001277) | 0.01067 (0.00256, 0.02827) |
| Sulawesi Barat | Lower respiratory infections                  | 35  | 3.0 (1.4, 5.9)    | 0.0000662 (0.0000314, 0.0001275) | 0.0207 (0.01032, 0.03979)  | 2.2 (1.0, 4.4)    | 0.0000486 (0.0000222, 0.0000963) | 0.01085 (0.00497, 0.02055) |
| Sulawesi Barat | Malaria                                       | 35  | 1.3 (0.2, 3.6)    | 0.0000289 (0.0000038, 0.0000793) | 0.00904 (0.00126, 0.02458) | 1.0 (0.1, 3.0)    | 0.0000225 (0.0000032, 0.0000657) | 0.00503 (0.00069, 0.01399) |
| Sulawesi Barat | Tuberculosis                                  | 35  | 20.3 (13.5, 28.6) | 0.0004416 (0.0002953, 0.0006229) | 0.13829 (0.09739, 0.18265) | 12.6 (7.1, 19.5)  | 0.0002784 (0.0001567, 0.0004292) | 0.0621 (0.03776, 0.09102)  |
| Sulawesi Barat | Maternal disorders                            | 35  |                   |                                  |                            | 21.0 (12.7, 31.0) | 0.0004636 (0.0002793, 0.0006841) | 0.10337 (0.06649, 0.14287) |
| Sulawesi Barat | Other communicable diseases                   | 35  | 6.3 (3.6, 9.7)    | 0.0001372 (0.0000781, 0.0002112) | 0.04296 (0.02567, 0.06387) | 5.5 (2.9, 9.2)    | 0.0001221 (0.0000640, 0.0002030) | 0.02721 (0.01509, 0.04201) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 35  | 0.5 (0.1, 1.3)    | 0.0000111 (0.0000026, 0.0000273) | 0.00343 (0.00008, 0.00855) | 0.7 (0.2, 1.7)    | 0.0000153 (0.0000043, 0.0000367) | 0.00342 (0.00099, 0.00815) |
| Sulawesi Barat | Breast cancer                                 | 35  | 0.1 (0.0, 0.2)    | 0.0000016 (0.0000003, 0.0000052) | 0.00051 (0.00009, 0.00154) | 13.5 (5.9, 23.2)  | 0.0002979 (0.0001299, 0.0005113) | 0.06635 (0.03076, 0.10757) |
| Sulawesi Barat | Cervical cancer                               | 35  |                   |                                  |                            | 10.8 (3.7, 22.5)  | 0.0002372 (0.0000810, 0.0004957) | 0.05297 (0.01918, 0.10628) |
| Sulawesi Barat | Other malignant neoplasms                     | 35  | 10.2 (6.3, 15.9)  | 0.0002216 (0.0001365, 0.0003458) | 0.06933 (0.04455, 0.10352) | 12.9 (6.3, 22.4)  | 0.0002851 (0.0001384, 0.0004937) | 0.0635 (0.03183, 0.10518)  |
| Sulawesi Barat | Cerebrovascular disease                       | 35  | 13.6 (9.4, 18.7)  | 0.0002958 (0.0002042, 0.0004074) | 0.09258 (0.06773, 0.12258) | 22.2 (15.1, 31.3) | 0.000489 (0.0003332, 0.0006900)  | 0.10908 (0.08210, 0.14232) |
| Sulawesi Barat | Ischemic heart disease                        | 35  | 13.0 (8.8, 18.2)  | 0.0002839 (0.0001920, 0.0003956) | 0.08891 (0.06335, 0.11642) | 12.8 (8.3, 19.5)  | 0.0002813 (0.0001833, 0.0004296) | 0.06278 (0.04383, 0.08631) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 35  | 3.2 (1.6, 5.7)    | 0.0000701 (0.0000354, 0.0001241) | 0.02194 (0.01165, 0.03774) | 6.7 (3.2, 11.4)   | 0.0001468 (0.0000715, 0.0002524) | 0.03271 (0.01743, 0.05503) |
| Sulawesi Barat | Diabetes mellitus                             | 35  | 4.5 (2.8, 6.7)    | 0.0000972 (0.0000608, 0.0001459) | 0.03045 (0.01975, 0.04313) | 8.0 (5.0, 12.1)   | 0.0001759 (0.0001105, 0.0002662) | 0.03923 (0.02678, 0.05611) |
| Sulawesi Barat | Chronic kidney disease                        | 35  | 3.9 (2.5, 5.8)    | 0.000084 (0.0000544, 0.0001263)  | 0.02629 (0.01770, 0.03653) | 5.8 (3.6, 8.7)    | 0.0001278 (0.0000804, 0.0001921) | 0.0285 (0.01930, 0.03956)  |
| Sulawesi Barat | Cirrhosis                                     | 35  | 8.1 (4.3, 12.7)   | 0.0001768 (0.0000939, 0.0002759) | 0.05538 (0.02985, 0.08583) | 8.1 (4.1, 13.1)   | 0.0001783 (0.0000908, 0.0002894) | 0.03979 (0.02152, 0.06012) |
| Sulawesi Barat | Chronic respiratory diseases                  | 35  | 10.0 (6.1, 14.9)  | 0.000218 (0.0001320, 0.0003243)  | 0.06818 (0.04426, 0.09471) | 12.3 (7.5, 19.1)  | 0.0002723 (0.0001648, 0.0004215) | 0.06066 (0.03905, 0.08613) |
| Sulawesi Barat | Other non-communicable diseases               | 35  | 12.3 (8.5, 17.4)  | 0.0002681 (0.0001862, 0.0003782) | 0.08386 (0.06074, 0.11035) | 20.4 (14.0, 28.7) | 0.0004491 (0.0003093, 0.0006321) | 0.10016 (0.07450, 0.12981) |
| Sulawesi Barat | Drowning                                      | 35  | 3.8 (1.8, 7.0)    | 0.0000822 (0.0000393, 0.0001519) | 0.02567 (0.01257, 0.04507) | 2.5 (1.0, 4.9)    | 0.0000552 (0.0000225, 0.0001073) | 0.0123 (0.00558, 0.02310)  |
| Sulawesi Barat | Falls                                         | 35  | 2.6 (1.1, 5.0)    | 0.0000571 (0.0000244, 0.0001080) | 0.01789 (0.00793, 0.03309) | 2.2 (0.9, 4.3)    | 0.0000483 (0.0000203, 0.0000951) | 0.01078 (0.00479, 0.02096) |
| Sulawesi Barat | Interpersonal violence                        | 35  | 1.5 (0.8, 2.6)    | 0.0000326 (0.0000164, 0.0000572) | 0.0102 (0.00527, 0.01736)  | 1.7 (0.7, 3.4)    | 0.0000377 (0.0000164, 0.0000741) | 0.0084 (0.00390, 0.01511)  |
| Sulawesi Barat | Self-harm                                     | 35  | 2.1 (0.9, 3.8)    | 0.000045 (0.0000205, 0.0000826)  | 0.01411 (0.00655, 0.02572) | 1.9 (0.8, 3.8)    | 0.0000427 (0.0000186, 0.0000844) | 0.0095 (0.00427, 0.01742)  |
| Sulawesi Barat | Transport injuries                            | 35  | 16.4 (10.6, 24.0) | 0.0003571 (0.0002304, 0.0005223) | 0.11178 (0.07358, 0.15569) | 10.1 (5.9, 16.3)  | 0.0002237 (0.0001301, 0.0003601) | 0.04986 (0.03016, 0.07730) |
| Sulawesi Barat | Other unintentional injuries                  | 35  | 5.7 (3.3, 8.9)    | 0.0001246 (0.0000715, 0.0001948) | 0.03898 (0.02309, 0.05877) | 4.1 (2.2, 7.0)    | 0.0000906 (0.0000479, 0.0001547) | 0.02016 (0.01153, 0.03276) |
| Sulawesi Barat | Diarrheal diseases                            | 40  | 1.8 (0.9, 3.5)    | 0.0000481 (0.0000231, 0.0000899) | 0.01068 (0.00488, 0.01917) | 4.0 (1.9, 7.0)    | 0.0001077 (0.0000523, 0.0001893) | 0.0176 (0.00875, 0.03043)  |
| Sulawesi Barat | HIV/AIDS                                      | 40  | 1.3 (0.3, 3.8)    | 0.0000346 (0.0000081, 0.0000978) | 0.00766 (0.00174, 0.02145) | 1.9 (0.4, 4.9)    | 0.0000502 (0.0000116, 0.0001339) | 0.00823 (0.00189, 0.02163) |
| Sulawesi Barat | Lower respiratory infections                  | 40  | 2.9 (1.4, 5.8)    | 0.0000767 (0.0000373, 0.0001517) | 0.01703 (0.00849, 0.03295) | 3.8 (1.9, 7.2)    | 0.0001034 (0.0000505, 0.0001941) | 0.01692 (0.00858, 0.03121) |
| Sulawesi Barat | Malaria                                       | 40  | 1.3 (0.2, 3.5)    | 0.0000341 (0.0000046, 0.0000915) | 0.00757 (0.00109, 0.02011) | 1.5 (0.2, 4.5)    | 0.0000418 (0.0000058, 0.0001218) | 0.00686 (0.00091, 0.01914) |
| Sulawesi Barat | Tuberculosis                                  | 40  | 18.8 (12.6, 26.5) | 0.0004903 (0.0003272, 0.0006911) | 0.10893 (0.07692, 0.14594) | 17.8 (11.2, 26.1) | 0.0004835 (0.0003047, 0.0007076) | 0.07909 (0.05264, 0.11150) |
| Sulawesi Barat | Maternal disorders                            | 40  |                   |                                  |                            | 1.1 (0.5, 2.2)    | 0.0000309 (0.0000133, 0.0000600) | 0.00506 (0.00223, 0.00959) |
| Sulawesi Barat | Other communicable diseases                   | 40  | 5.9 (3.5, 9.1)    | 0.0001549 (0.0000900, 0.0002383) | 0.03442 (0.01980, 0.05327) | 9.5 (5.3, 14.8)   | 0.000258 (0.0001429, 0.0004003)  | 0.04217 (0.02499, 0.06410) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 40  | 1.0 (0.3, 2.3)    | 0.0000265 (0.0000078, 0.0000602) | 0.00589 (0.00174, 0.01347) | 0.8 (0.2, 2.0)    | 0.0000215 (0.0000064, 0.0000540) | 0.00352 (0.00106, 0.00838) |
| Sulawesi Barat | Breast cancer                                 | 40  | 0.1 (0.0, 0.4)    | 0.0000036 (0.0000007, 0.0000096) | 0.00081 (0.00016, 0.00216) | 17.5 (8.5, 28.8)  | 0.0004752 (0.0002297, 0.0007795) | 0.07775 (0.03847, 0.12143) |
| Sulawesi Barat | Cervical cancer                               | 40  |                   |                                  |                            | 12.2 (4.6, 24.5)  | 0.0003299 (0.0001253, 0.0006627) | 0.05394 (0.02138, 0.10470) |
| Sulawesi Barat | Other malignant neoplasms                     | 40  | 13.4 (8.2, 21.3)  | 0.0003498 (0.0002137, 0.0005540) | 0.07764 (0.05023, 0.11330) | 13.3 (6.7, 22.5)  | 0.0003607 (0.0001818, 0.0006088) | 0.05896 (0.03063, 0.09589) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                             | Females           |                                  |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Barat | Cerebrovascular disease                       | 40  | 22.7 (16.1, 30.1) | 0.000592 (0.0004196, 0.0007837)  | 0.13146 (0.09984, 0.16898)  | 33.5 (23.7, 45.8) | 0.0009078 (0.0006413, 0.0012421) | 0.14846 (0.11442, 0.18707) |
| Sulawesi Barat | Ischemic heart disease                        | 40  | 21.2 (14.8, 29.0) | 0.0005519 (0.0003845, 0.0007560) | 0.12263 (0.09061, 0.15787)  | 17.7 (11.9, 25.9) | 0.0004785 (0.0003229, 0.0007014) | 0.07831 (0.05609, 0.10716) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 40  | 4.8 (2.5, 8.1)    | 0.0001242 (0.0000639, 0.0002115) | 0.0276 (0.01499, 0.04658)   | 8.6 (4.2, 14.9)   | 0.0002337 (0.0001149, 0.0004039) | 0.03821 (0.02078, 0.06528) |
| Sulawesi Barat | Diabetes mellitus                             | 40  | 9.7 (6.4, 14.0)   | 0.0002522 (0.0001677, 0.0003636) | 0.05605 (0.03852, 0.07821)  | 14.8 (9.9, 21.1)  | 0.0003999 (0.0002696, 0.0005722) | 0.06539 (0.04681, 0.09020) |
| Sulawesi Barat | Chronic kidney disease                        | 40  | 5.1 (3.4, 7.7)    | 0.0001339 (0.0000886, 0.0002002) | 0.02972 (0.02051, 0.04056)  | 6.4 (4.1, 9.5)    | 0.0001734 (0.0001118, 0.0002565) | 0.02836 (0.01936, 0.03937) |
| Sulawesi Barat | Cirrhosis                                     | 40  | 10.4 (5.6, 16.2)  | 0.0002699 (0.0001446, 0.0004223) | 0.05996 (0.03352, 0.09118)  | 9.5 (4.9, 15.0)   | 0.0002574 (0.0001327, 0.0004068) | 0.04212 (0.02246, 0.06210) |
| Sulawesi Barat | Chronic respiratory diseases                  | 40  | 12.6 (7.9, 18.5)  | 0.0003271 (0.0002046, 0.0004810) | 0.07258 (0.04737, 0.10055)  | 13.5 (8.5, 20.3)  | 0.0003656 (0.0002300, 0.0005503) | 0.05973 (0.04008, 0.08410) |
| Sulawesi Barat | Other non-communicable diseases               | 40  | 14.1 (9.7, 19.7)  | 0.0003676 (0.0002536, 0.0005124) | 0.08158 (0.05970, 0.10718)  | 20.9 (14.5, 29.7) | 0.0005656 (0.0003928, 0.0008042) | 0.09249 (0.06835, 0.12078) |
| Sulawesi Barat | Drowning                                      | 40  | 2.0 (0.9, 3.7)    | 0.0000522 (0.0000229, 0.0000966) | 0.01159 (0.00526, 0.02144)  | 1.5 (0.6, 3.1)    | 0.0000414 (0.0000168, 0.0000827) | 0.00675 (0.00294, 0.01294) |
| Sulawesi Barat | Falls                                         | 40  | 2.3 (1.0, 4.5)    | 0.0000601 (0.0000268, 0.0001161) | 0.01335 (0.00605, 0.02526)  | 2.0 (0.9, 4.1)    | 0.0000554 (0.0000244, 0.0001106) | 0.00906 (0.00407, 0.01688) |
| Sulawesi Barat | Interpersonal violence                        | 40  | 1.2 (0.6, 2.1)    | 0.0000312 (0.0000152, 0.0000559) | 0.00694 (0.00342, 0.01226)  | 1.1 (0.5, 2.3)    | 0.000031 (0.0000136, 0.0000632)  | 0.00506 (0.00231, 0.00990) |
| Sulawesi Barat | Self-harm                                     | 40  | 1.9 (0.9, 3.6)    | 0.0000492 (0.0000226, 0.0000935) | 0.01092 (0.00527, 0.02034)  | 1.4 (0.6, 2.9)    | 0.0000385 (0.0000162, 0.0000787) | 0.00627 (0.00272, 0.01210) |
| Sulawesi Barat | Transport injuries                            | 40  | 13.5 (8.2, 20.2)  | 0.0003507 (0.0002137, 0.0005255) | 0.07793 (0.04928, 0.11175)  | 8.1 (4.5, 13.2)   | 0.0002199 (0.0001229, 0.0003590) | 0.03595 (0.02083, 0.05561) |
| Sulawesi Barat | Other unintentional injuries                  | 40  | 4.7 (2.6, 7.7)    | 0.0001219 (0.0000679, 0.0002011) | 0.02707 (0.01535, 0.04161)  | 3.1 (1.6, 5.2)    | 0.0000842 (0.0000431, 0.0001405) | 0.01374 (0.00739, 0.02243) |
| Sulawesi Barat | Diarrheal diseases                            | 45  | 1.7 (0.8, 3.1)    | 0.0000616 (0.0000292, 0.0001124) | 0.0098 (0.00464, 0.01798)   | 4.1 (2.0, 7.4)    | 0.0001491 (0.0000711, 0.0002668) | 0.01635 (0.00833, 0.02840) |
| Sulawesi Barat | HIV/AIDS                                      | 45  | 0.6 (0.1, 1.8)    | 0.0000218 (0.0000044, 0.0000641) | 0.00346 (0.000074, 0.00979) | 1.0 (0.2, 2.8)    | 0.0000347 (0.0000076, 0.0001008) | 0.00381 (0.00082, 0.01046) |
| Sulawesi Barat | Lower respiratory infections                  | 45  | 3.1 (1.5, 5.8)    | 0.0001108 (0.0000540, 0.0002081) | 0.01761 (0.00908, 0.03333)  | 4.8 (2.4, 8.9)    | 0.0001737 (0.0000881, 0.0003227) | 0.01906 (0.00958, 0.03444) |
| Sulawesi Barat | Malaria                                       | 45  | 1.0 (0.1, 2.7)    | 0.0000364 (0.0000051, 0.0000962) | 0.0058 (0.00086, 0.01551)   | 1.3 (0.2, 3.7)    | 0.0000461 (0.0000068, 0.0001350) | 0.00507 (0.00072, 0.01477) |
| Sulawesi Barat | Tuberculosis                                  | 45  | 16.6 (10.8, 23.7) | 0.0005979 (0.0003885, 0.0008515) | 0.09516 (0.06676, 0.12826)  | 18.1 (11.4, 26.2) | 0.0006558 (0.0004143, 0.0009513) | 0.07192 (0.04735, 0.09994) |
| Sulawesi Barat | Maternal disorders                            | 45  |                   |                                  |                             | 0.5 (0.2, 1.0)    | 0.0000172 (0.0000064, 0.0000365) | 0.00189 (0.00073, 0.00400) |
| Sulawesi Barat | Other communicable diseases                   | 45  | 4.8 (2.7, 7.8)    | 0.0001734 (0.0000968, 0.0002804) | 0.02761 (0.01599, 0.04291)  | 8.7 (5.1, 13.4)   | 0.0003317 (0.0001836, 0.0004859) | 0.03472 (0.02063, 0.05210) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 45  | 1.3 (0.4, 3.1)    | 0.0000479 (0.0000139, 0.0001101) | 0.00765 (0.00229, 0.01670)  | 0.9 (0.3, 2.4)    | 0.0000337 (0.0000095, 0.0000849) | 0.00369 (0.00105, 0.00872) |
| Sulawesi Barat | Breast cancer                                 | 45  | 0.2 (0.1, 0.5)    | 0.000007 (0.0000018, 0.0000168)  | 0.00111 (0.00029, 0.00260)  | 15.8 (7.8, 26.5)  | 0.0005733 (0.0002823, 0.0009603) | 0.06285 (0.03110, 0.10147) |
| Sulawesi Barat | Cervical cancer                               | 45  |                   |                                  |                             | 12.9 (4.8, 25.2)  | 0.0004675 (0.0001734, 0.0009121) | 0.05125 (0.01951, 0.09874) |
| Sulawesi Barat | Other malignant neoplasms                     | 45  | 13.0 (7.7, 20.3)  | 0.0004658 (0.0002776, 0.0007296) | 0.0741 (0.04793, 0.11031)   | 11.4 (5.5, 19.7)  | 0.0004141 (0.0002005, 0.0007141) | 0.04538 (0.02223, 0.07510) |
| Sulawesi Barat | Cerebrovascular disease                       | 45  | 27.8 (19.8, 37.2) | 0.0009993 (0.0007136, 0.0013382) | 0.15905 (0.12379, 0.20022)  | 46.4 (34.0, 61.8) | 0.0016824 (0.0012324, 0.0022398) | 0.18446 (0.14581, 0.22649) |
| Sulawesi Barat | Ischemic heart disease                        | 45  | 21.4 (15.0, 29.4) | 0.0007686 (0.0005381, 0.0010584) | 0.12241 (0.09143, 0.15785)  | 21.6 (14.7, 31.0) | 0.0007827 (0.0005520, 0.0011219) | 0.08585 (0.06184, 0.11489) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 45  | 5.5 (2.9, 9.6)    | 0.000198 (0.0001026, 0.0003437)  | 0.03154 (0.01770, 0.05370)  | 10.6 (5.4, 17.5)  | 0.0003858 (0.0001974, 0.0006351) | 0.04228 (0.02407, 0.06916) |
| Sulawesi Barat | Diabetes mellitus                             | 45  | 13.6 (9.1, 19.4)  | 0.000488 (0.0003280, 0.0006990)  | 0.0777 (0.05576, 0.10551)   | 22.7 (15.8, 32.1) | 0.000821 (0.0005735, 0.0011642)  | 0.09001 (0.06623, 0.12174) |
| Sulawesi Barat | Chronic kidney disease                        | 45  | 4.8 (3.1, 7.1)    | 0.0001726 (0.0001119, 0.0002557) | 0.02746 (0.01901, 0.03720)  | 6.5 (4.2, 9.5)    | 0.0002354 (0.0001519, 0.0003447) | 0.0258 (0.01759, 0.03548)  |
| Sulawesi Barat | Cirrhosis                                     | 45  | 9.6 (5.1, 15.2)   | 0.000344 (0.0001835, 0.0005472)  | 0.05477 (0.03040, 0.08504)  | 9.9 (5.1, 15.4)   | 0.0003581 (0.0001856, 0.0005587) | 0.03927 (0.02148, 0.05831) |
| Sulawesi Barat | Chronic respiratory diseases                  | 45  | 14.9 (9.7, 21.7)  | 0.0005374 (0.0003473, 0.0007814) | 0.08547 (0.05825, 0.11603)  | 16.6 (10.6, 24.1) | 0.0006032 (0.0003839, 0.0008731) | 0.06607 (0.04462, 0.09152) |
| Sulawesi Barat | Other non-communicable diseases               | 45  | 12.5 (8.5, 17.4)  | 0.0004508 (0.0003048, 0.0006261) | 0.07171 (0.05312, 0.09452)  | 20.5 (14.4, 28.4) | 0.0007447 (0.0005212, 0.0010310) | 0.08163 (0.06170, 0.10700) |
| Sulawesi Barat | Drowning                                      | 45  | 1.3 (0.6, 2.6)    | 0.0000464 (0.0000198, 0.0000939) | 0.00739 (0.00310, 0.01466)  | 1.2 (0.5, 2.6)    | 0.0000437 (0.0000174, 0.0000950) | 0.00477 (0.00196, 0.00985) |
| Sulawesi Barat | Falls                                         | 45  | 2.4 (1.0, 4.5)    | 0.0000852 (0.0000365, 0.0001604) | 0.01355 (0.00614, 0.02475)  | 2.5 (1.1, 4.7)    | 0.0000901 (0.0000407, 0.0001708) | 0.00987 (0.00458, 0.01848) |
| Sulawesi Barat | Interpersonal violence                        | 45  | 0.9 (0.4, 1.6)    | 0.0000318 (0.0000150, 0.0000578) | 0.00506 (0.00253, 0.00892)  | 0.9 (0.4, 1.8)    | 0.0000333 (0.0000142, 0.0000659) | 0.00365 (0.00165, 0.00705) |
| Sulawesi Barat | Self-harm                                     | 45  | 1.6 (0.7, 3.0)    | 0.0000562 (0.0000242, 0.0001065) | 0.00895 (0.00409, 0.01642)  | 1.3 (0.5, 2.6)    | 0.0000457 (0.0000194, 0.0000937) | 0.005 (0.00218, 0.00990)   |
| Sulawesi Barat | Transport injuries                            | 45  | 12.3 (7.5, 19.0)  | 0.0004418 (0.0002690, 0.0006817) | 0.07033 (0.04524, 0.10204)  | 8.5 (4.9, 13.9)   | 0.0003084 (0.0001763, 0.0005044) | 0.03379 (0.02029, 0.05257) |
| Sulawesi Barat | Other unintentional injuries                  | 45  | 3.9 (2.1, 6.4)    | 0.0001402 (0.0000756, 0.0002314) | 0.0223 (0.01272, 0.03669)   | 2.9 (1.5, 5.1)    | 0.0001057 (0.0000533, 0.0001855) | 0.01157 (0.00630, 0.01929) |
| Sulawesi Barat | Diarrheal diseases                            | 50  | 2.5 (1.2, 4.4)    | 0.0001076 (0.0000509, 0.0001913) | 0.01147 (0.00551, 0.01982)  | 6.0 (2.9, 10.1)   | 0.0002165 (0.0001270, 0.0004396) | 0.01955 (0.01008, 0.03262) |
| Sulawesi Barat | HIV/AIDS                                      | 50  | 0.3 (0.1, 0.8)    | 0.0000118 (0.0000024, 0.0000353) | 0.00126 (0.00024, 0.00371)  | 0.4 (0.1, 1.2)    | 0.0000187 (0.0000037, 0.0000529) | 0.0014 (0.00027, 0.00401)  |
| Sulawesi Barat | Lower respiratory infections                  | 50  | 4.2 (2.1, 7.7)    | 0.0001812 (0.0000891, 0.0003323) | 0.01932 (0.00993, 0.03489)  | 6.8 (3.5, 12.3)   | 0.0002978 (0.0001540, 0.0005373) | 0.02229 (0.01158, 0.03781) |
| Sulawesi Barat | Malaria                                       | 50  | 1.1 (0.1, 3.0)    | 0.000049 (0.0000061, 0.0001317)  | 0.00523 (0.000070, 0.01470) | 1.3 (0.2, 3.9)    | 0.0000568 (0.0000070, 0.0001694) | 0.00426 (0.00052, 0.01279) |
| Sulawesi Barat | Tuberculosis                                  | 50  | 19.4 (12.5, 28.2) | 0.0008408 (0.0005384, 0.0012186) | 0.08972 (0.06296, 0.12069)  | 19.8 (12.5, 28.8) | 0.0008671 (0.0005442, 0.0012587) | 0.06485 (0.04288, 0.09191) |
| Sulawesi Barat | Maternal disorders                            | 50  |                   |                                  |                             | 0.2 (0.1, 0.7)    | 0.0000106 (0.0000028, 0.0000304) | 0.00079 (0.00022, 0.00226) |
| Sulawesi Barat | Other communicable diseases                   | 50  | 5.3 (3.0, 8.5)    | 0.0002298 (0.0001294, 0.0003680) | 0.02453 (0.01430, 0.03738)  | 10.0 (5.7, 15.5)  | 0.0004355 (0.0002502, 0.0006751) | 0.03256 (0.01992, 0.04845) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 50  | 1.9 (0.6, 4.1)    | 0.0000804 (0.0000248, 0.0001751) | 0.0086 (0.00262, 0.01863)   | 1.0 (0.3, 2.5)    | 0.0000444 (0.0000125, 0.0001083) | 0.00332 (0.00096, 0.00814) |
| Sulawesi Barat | Breast cancer                                 | 50  | 0.2 (0.1, 0.5)    | 0.0000102 (0.0000032, 0.0000237) | 0.00108 (0.00035, 0.00248)  | 13.0 (6.0, 23.3)  | 0.0005696 (0.0002632, 0.0010181) | 0.04258 (0.01928, 0.07451) |
| Sulawesi Barat | Cervical cancer                               | 50  |                   |                                  |                             | 13.6 (5.4, 26.3)  | 0.0005952 (0.0002342, 0.0011513) | 0.04454 (0.01821, 0.08320) |
| Sulawesi Barat | Other malignant neoplasms                     | 50  | 12.6 (7.3, 19.6)  | 0.0005431 (0.0003149, 0.0008481) | 0.05789 (0.03697, 0.08597)  | 11.2 (5.2, 19.1)  | 0.0004881 (0.0002262, 0.0008350) | 0.03648 (0.01692, 0.06225) |
| Sulawesi Barat | Cerebrovascular disease                       | 50  | 40.9 (29.1, 54.5) | 0.001768 (0.0012558, 0.0023578)  | 0.1885 (0.15092, 0.23142)   | 67.6 (50.6, 86.7) | 0.0029534 (0.0022103, 0.0037893) | 0.22093 (0.18123, 0.26509) |
| Sulawesi Barat | Ischemic heart disease                        | 50  | 28.4 (19.6, 39.9) | 0.0012261 (0.0008475, 0.0017255) | 0.13081 (0.09860, 0.16800)  | 27.7 (19.2, 39.6) | 0.0012099 (0.0008360, 0.0017282) | 0.09051 (0.06487, 0.12030) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 50  | 8.0 (4.1, 13.6)   | 0.0003452 (0.0001761, 0.0005862) | 0.03686 (0.02110, 0.06136)  | 14.8 (7.7, 24.1)  | 0.0006471 (0.0003344, 0.0010544) | 0.04838 (0.02733, 0.07913) |
| Sulawesi Barat | Diabetes mellitus                             | 50  | 19.8 (13.4, 28.5) | 0.0008577 (0.0005781, 0.0012317) | 0.09147 (0.06580, 0.12267)  | 31.9 (22.8, 44.7) | 0.0013937 (0.0009942, 0.0019535) | 0.1042 (0.07722, 0.13792)  |
| Sulawesi Barat | Chronic kidney disease                        | 50  | 5.6 (3.6, 8.4)    | 0.0002406 (0.0001551, 0.0003633) | 0.02564 (0.01800, 0.03501)  | 7.1 (4.5, 10.2)   | 0.0003097 (0.0001987, 0.0004473) | 0.02316 (0.01578, 0.03196) |
| Sulawesi Barat | Cirrhosis                                     | 50  | 11.0 (5.8, 17.7)  | 0.0004743 (0.0002486, 0.0007661) | 0.05058 (0.02761, 0.07864)  | 11.5 (5.9, 17.8)  | 0.0005022 (0.0002565, 0.0007792) | 0.03757 (0.02049, 0.05616) |
| Sulawesi Barat | Chronic respiratory diseases                  | 50  | 21.2 (14.2, 31.4) | 0.0009159 (0.0006147, 0.0013572) | 0.09755 (0.06937, 0.12992)  | 22.8 (15.2, 32.6) | 0.0009946 (0.0006621, 0.0014230) | 0.07433 (0.05200, 0.10069) |
| Sulawesi Barat | Other non-communicable diseases               | 50  | 14.6 (9.8, 20.7)  | 0.0006299 (0.0004226, 0.0008963) | 0.06714 (0.04922, 0.08893)  | 23.4 (16.4, 32.3) | 0.0010221 (0.0007170, 0.0014130) | 0.07645 (0.05596, 0.10018) |
| Sulawesi Barat | Drowning                                      | 50  | 1.0 (0.4, 2.0)    | 0.0000429 (0.0000172, 0.0000861) | 0.00458 (0.00179, 0.00901)  | 1.1 (0.4, 2.4)    | 0.0000463 (0.0000174, 0.0001027) | 0.00345 (0.00134, 0.00743) |
| Sulawesi Barat | Falls                                         | 50  | 2.9 (1.3, 5.5)    | 0.0001237 (0.0000551, 0.0002397) | 0.01319 (0.00598, 0.02491)  | 3.2 (1.5, 6.1)    | 0.0001407 (0.0000650, 0.0002679) | 0.01051 (0.00510, 0.01912) |
| Sulawesi Barat | Interpersonal violence                        | 50  | 0.8 (0.4, 1.4)    | 0.0000328 (0.0000152, 0.0000624) | 0.0035 (0.00173, 0.00661)   | 0.7 (0.3, 1.5)    | 0.0000313 (0.0000129, 0.0000647) | 0.00234 (0.00097, 0.00492) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males             |                                  |                            | Females             |                                   |                            |
|----------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|---------------------|-----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                     | CF (95% UI)                |
| Sulawesi Barat | Self-harm                                     | 50  | 1.5 (0.6, 3.0)    | 0.000648 (0.000271, 0.0001279)   | 0.00691 (0.00304, 0.01354) | 1.1 (0.4, 2.3)      | 0.000464 (0.0000183, 0.0000991)   | 0.00346 (0.00140, 0.00719) |
| Sulawesi Barat | Transport injuries                            | 50  | 10.5 (5.9, 16.7)  | 0.0004524 (0.0002545, 0.0007201) | 0.04827 (0.02950, 0.07183) | 7.3 (3.9, 12.0)     | 0.0003197 (0.0001717, 0.0005247)  | 0.02391 (0.01321, 0.03853) |
| Sulawesi Barat | Other unintentional injuries                  | 50  | 3.5 (1.8, 5.8)    | 0.0001493 (0.0000796, 0.0002508) | 0.01592 (0.00880, 0.02512) | 2.5 (1.3, 4.4)      | 0.0001095 (0.0000560, 0.0001922)  | 0.00817 (0.00434, 0.01400) |
| Sulawesi Barat | Diarrheal diseases                            | 55  | 2.6 (1.2, 4.6)    | 0.0001611 (0.0000725, 0.0002814) | 0.01187 (0.00573, 0.02067) | 5.8 (2.9, 9.5)      | 0.0003899 (0.00001948, 0.0006451) | 0.01982 (0.00998, 0.03266) |
| Sulawesi Barat | HIV/AIDS                                      | 55  | 0.1 (0.0, 0.3)    | 0.0000069 (0.0000012, 0.0000212) | 0.00051 (0.00009, 0.00151) | 0.2 (0.0, 0.5)      | 0.0000109 (0.0000020, 0.0000333)  | 0.00055 (0.00009, 0.00166) |
| Sulawesi Barat | Lower respiratory infections                  | 55  | 4.2 (2.1, 7.5)    | 0.0002558 (0.0001273, 0.0004621) | 0.01886 (0.00985, 0.03336) | 6.0 (3.1, 10.8)     | 0.00041 (0.0002121, 0.0007353)    | 0.02086 (0.01078, 0.03611) |
| Sulawesi Barat | Malaria                                       | 55  | 1.1 (0.1, 3.2)    | 0.0000692 (0.0000088, 0.0001934) | 0.00511 (0.00070, 0.01405) | 1.2 (0.2, 3.5)      | 0.0000821 (0.0000108, 0.0002403)  | 0.00419 (0.00052, 0.01235) |
| Sulawesi Barat | Tuberculosis                                  | 55  | 17.2 (10.5, 24.6) | 0.0010539 (0.0006457, 0.0015107) | 0.07773 (0.05269, 0.10402) | 16.1 (9.7, 23.9)    | 0.0010908 (0.0006598, 0.0016229)  | 0.05546 (0.03491, 0.07885) |
| Sulawesi Barat | Other communicable diseases                   | 55  | 4.9 (2.7, 8.0)    | 0.0002996 (0.0001638, 0.0004876) | 0.02209 (0.01251, 0.03457) | 8.3 (4.7, 13.0)     | 0.0005604 (0.0003205, 0.0008815)  | 0.02848 (0.01661, 0.04324) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 55  | 1.5 (0.5, 3.5)    | 0.0000906 (0.0000279, 0.0002116) | 0.0067 (0.00214, 0.01622)  | 0.8 (0.2, 1.8)      | 0.0000516 (0.0000151, 0.0001243)  | 0.00263 (0.00080, 0.00625) |
| Sulawesi Barat | Breast cancer                                 | 55  | 0.2 (0.1, 0.5)    | 0.0000137 (0.0000042, 0.0000327) | 0.00101 (0.00032, 0.00237) | 10.2 (4.7, 18.3)    | 0.0006894 (0.0003170, 0.0012440)  | 0.03504 (0.01687, 0.06087) |
| Sulawesi Barat | Cervical cancer                               | 55  |                   |                                  |                            | 8.8 (3.2, 18.0)     | 0.0005995 (0.0002190, 0.0012188)  | 0.03048 (0.01140, 0.05919) |
| Sulawesi Barat | Other malignant neoplasms                     | 55  | 9.8 (5.7, 15.6)   | 0.0006021 (0.0003481, 0.0009577) | 0.04437 (0.02809, 0.06663) | 9.8 (4.7, 16.8)     | 0.0006657 (0.0003188, 0.0011419)  | 0.03382 (0.01649, 0.05593) |
| Sulawesi Barat | Cerebrovascular disease                       | 55  | 47.9 (34.4, 63.7) | 0.0029386 (0.0021094, 0.0039040) | 0.21657 (0.17503, 0.26166) | 72.9 (55.8, 92.4)   | 0.0049457 (0.0037816, 0.0062652)  | 0.25142 (0.20669, 0.29919) |
| Sulawesi Barat | Ischemic heart disease                        | 55  | 32.6 (22.8, 45.5) | 0.0019969 (0.0013968, 0.0027919) | 0.14728 (0.11295, 0.18790) | 29.6 (20.6, 41.6)   | 0.0020075 (0.0013983, 0.0028202)  | 0.10207 (0.07506, 0.13543) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 55  | 9.2 (4.8, 15.5)   | 0.0005618 (0.0002915, 0.0009503) | 0.04147 (0.02381, 0.06711) | 15.9 (8.5, 25.7)    | 0.0010807 (0.0005735, 0.0017455)  | 0.05491 (0.03171, 0.08683) |
| Sulawesi Barat | Diabetes mellitus                             | 55  | 21.4 (14.4, 30.3) | 0.00131 (0.0008831, 0.0018560)   | 0.09657 (0.07029, 0.12901) | 32.1 (23.2, 44.5)   | 0.0021771 (0.0015705, 0.0030162)  | 0.11062 (0.08384, 0.14542) |
| Sulawesi Barat | Chronic kidney disease                        | 55  | 5.5 (3.6, 8.2)    | 0.0003368 (0.0002184, 0.0005038) | 0.02481 (0.01758, 0.03391) | 6.6 (4.2, 9.3)      | 0.0004471 (0.0002862, 0.0006339)  | 0.02273 (0.01562, 0.03118) |
| Sulawesi Barat | Cirrhosis                                     | 55  | 9.9 (5.2, 15.7)   | 0.0006061 (0.0003191, 0.0009652) | 0.04467 (0.02399, 0.07123) | 9.5 (4.9, 14.6)     | 0.0006446 (0.0003319, 0.0009909)  | 0.03278 (0.01756, 0.04888) |
| Sulawesi Barat | Chronic respiratory diseases                  | 55  | 22.9 (15.5, 33.1) | 0.0014063 (0.0009534, 0.0020290) | 0.10356 (0.07501, 0.13596) | 22.9 (15.7, 31.8)   | 0.0015546 (0.0010613, 0.0021590)  | 0.07897 (0.05644, 0.10509) |
| Sulawesi Barat | Other non-communicable diseases               | 55  | 15.3 (10.2, 21.6) | 0.0009357 (0.0006261, 0.0013261) | 0.06892 (0.05108, 0.09147) | 22.8 (15.8, 31.3)   | 0.0015464 (0.0010727, 0.0021200)  | 0.07863 (0.05839, 0.10274) |
| Sulawesi Barat | Drowning                                      | 55  | 0.7 (0.3, 1.5)    | 0.0000418 (0.0000162, 0.0000914) | 0.00308 (0.00118, 0.00639) | 0.6 (0.2, 1.3)      | 0.0000412 (0.0000150, 0.0000895)  | 0.00209 (0.00075, 0.00438) |
| Sulawesi Barat | Falls                                         | 55  | 2.9 (1.3, 5.4)    | 0.0001789 (0.0000816, 0.0003285) | 0.0132 (0.00623, 0.02397)  | 2.8 (1.3, 5.2)      | 0.000191 (0.0000912, 0.0003496)   | 0.0097 (0.00487, 0.01730)  |
| Sulawesi Barat | Interpersonal violence                        | 55  | 0.6 (0.3, 1.1)    | 0.000036 (0.0000163, 0.0000682)  | 0.00266 (0.00124, 0.00492) | 0.5 (0.2, 1.0)      | 0.0000337 (0.0000143, 0.0000692)  | 0.00171 (0.00077, 0.00341) |
| Sulawesi Barat | Self-harm                                     | 55  | 1.3 (0.6, 2.6)    | 0.0000816 (0.0000368, 0.0001593) | 0.00601 (0.00285, 0.01121) | 0.9 (0.4, 1.7)      | 0.0000581 (0.0000243, 0.0001171)  | 0.00295 (0.00123, 0.00581) |
| Sulawesi Barat | Transport injuries                            | 55  | 6.8 (3.8, 11.1)   | 0.0004153 (0.0002347, 0.0006827) | 0.03061 (0.01787, 0.04807) | 4.1 (2.1, 7.0)      | 0.0002771 (0.0001434, 0.0004723)  | 0.01409 (0.00772, 0.02387) |
| Sulawesi Barat | Other unintentional injuries                  | 55  | 2.7 (1.4, 4.5)    | 0.0001674 (0.0000850, 0.0002732) | 0.01235 (0.00669, 0.01929) | 1.7 (0.9, 3.0)      | 0.0001185 (0.0000616, 0.0002004)  | 0.00602 (0.00318, 0.00980) |
| Sulawesi Barat | Diarrheal diseases                            | 60  | 4.1 (2.0, 7.2)    | 0.0003051 (0.0001524, 0.0005349) | 0.01356 (0.00686, 0.02230) | 10.4 (5.5, 16.7)    | 0.0006595 (0.0003482, 0.0010607)  | 0.0225 (0.01231, 0.03572)  |
| Sulawesi Barat | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.4)    | 0.0000076 (0.0000013, 0.0000263) | 0.00034 (0.00006, 0.00111) | 0.2 (0.0, 0.5)      | 0.0000107 (0.0000017, 0.0000334)  | 0.00037 (0.00006, 0.00117) |
| Sulawesi Barat | Lower respiratory infections                  | 60  | 7.3 (3.8, 12.9)   | 0.0005474 (0.0002810, 0.0009612) | 0.02435 (0.01304, 0.04268) | 13.2 (7.1, 22.4)    | 0.0008397 (0.0004499, 0.0014228)  | 0.02868 (0.01557, 0.04707) |
| Sulawesi Barat | Malaria                                       | 60  | 1.6 (0.2, 4.3)    | 0.0001182 (0.0000167, 0.0003230) | 0.00526 (0.00069, 0.01462) | 1.9 (0.2, 5.6)      | 0.0001183 (0.0000148, 0.0003532)  | 0.00405 (0.00052, 0.01246) |
| Sulawesi Barat | Tuberculosis                                  | 60  | 25.2 (15.7, 36.6) | 0.0018811 (0.0011702, 0.0027294) | 0.08369 (0.05637, 0.11380) | 27.7 (16.5, 41.1)   | 0.0017579 (0.0010465, 0.0026092)  | 0.06001 (0.03726, 0.08487) |
| Sulawesi Barat | Other communicable diseases                   | 60  | 5.5 (3.0, 9.5)    | 0.0004134 (0.0002245, 0.0007085) | 0.01839 (0.01026, 0.03018) | 11.1 (6.3, 17.9)    | 0.0007048 (0.0003993, 0.0011379)  | 0.02406 (0.01408, 0.03864) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 60  | 1.9 (0.6, 4.4)    | 0.0001442 (0.0000452, 0.0003247) | 0.00643 (0.00201, 0.01456) | 1.0 (0.3, 2.4)      | 0.0000628 (0.0000186, 0.0001542)  | 0.00215 (0.00066, 0.00523) |
| Sulawesi Barat | Breast cancer                                 | 60  | 0.2 (0.1, 0.5)    | 0.000017 (0.0000050, 0.0000407)  | 0.00075 (0.00023, 0.00181) | 10.8 (4.9, 19.5)    | 0.0006839 (0.0003104, 0.0012396)  | 0.02334 (0.01047, 0.04171) |
| Sulawesi Barat | Cervical cancer                               | 60  |                   |                                  |                            | 10.4 (3.7, 21.6)    | 0.0006611 (0.0002368, 0.0013736)  | 0.02257 (0.00807, 0.04597) |
| Sulawesi Barat | Other malignant neoplasms                     | 60  | 11.8 (6.7, 19.0)  | 0.0008797 (0.0004982, 0.0014152) | 0.0391 (0.02432, 0.05972)  | 15.0 (7.4, 25.7)    | 0.0009539 (0.0004732, 0.0016305)  | 0.03255 (0.01645, 0.05282) |
| Sulawesi Barat | Cerebrovascular disease                       | 60  | 68.4 (49.3, 89.1) | 0.0051056 (0.0036776, 0.0066519) | 0.22697 (0.18569, 0.26940) | 124.0 (96.3, 154.1) | 0.0078793 (0.0061156, 0.0097940)  | 0.26903 (0.22353, 0.31367) |
| Sulawesi Barat | Ischemic heart disease                        | 60  | 41.1 (28.7, 57.4) | 0.0030651 (0.0021413, 0.0042846) | 0.13634 (0.10210, 0.17647) | 46.0 (31.8, 64.8)   | 0.0029225 (0.0020229, 0.0041186)  | 0.09982 (0.07198, 0.13402) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 60  | 13.2 (7.0, 21.8)  | 0.0009817 (0.0005208, 0.0016292) | 0.04371 (0.02526, 0.07129) | 26.0 (14.0, 42.6)   | 0.0016491 (0.0008889, 0.0027083)  | 0.05626 (0.03286, 0.08865) |
| Sulawesi Barat | Diabetes mellitus                             | 60  | 24.8 (16.3, 35.6) | 0.0018487 (0.0012196, 0.0026579) | 0.0822 (0.05815, 0.11283)  | 43.4 (30.9, 61.0)   | 0.0027599 (0.0019620, 0.0038761)  | 0.09419 (0.06962, 0.12541) |
| Sulawesi Barat | Chronic kidney disease                        | 60  | 6.5 (4.2, 9.5)    | 0.0004846 (0.0003169, 0.0007087) | 0.02153 (0.01517, 0.02930) | 8.9 (5.9, 12.6)     | 0.0005676 (0.0003757, 0.0008011)  | 0.01938 (0.01333, 0.02649) |
| Sulawesi Barat | Cirrhosis                                     | 60  | 11.2 (5.8, 18.3)  | 0.0008334 (0.0004322, 0.0013661) | 0.03705 (0.02006, 0.05899) | 12.9 (6.8, 20.3)    | 0.0008215 (0.0004297, 0.0012897)  | 0.02805 (0.01526, 0.04215) |
| Sulawesi Barat | Chronic respiratory diseases                  | 60  | 39.8 (27.9, 55.3) | 0.0029694 (0.0020783, 0.0041273) | 0.13197 (0.10116, 0.16897) | 45.2 (31.6, 61.2)   | 0.0028739 (0.0020088, 0.0038867)  | 0.09805 (0.07150, 0.12853) |
| Sulawesi Barat | Other non-communicable diseases               | 60  | 22.3 (15.0, 31.1) | 0.0016655 (0.0011213, 0.0023190) | 0.074 (0.05474, 0.09587)   | 38.9 (27.8, 51.9)   | 0.0024717 (0.0017680, 0.0032971)  | 0.08441 (0.06252, 0.10844) |
| Sulawesi Barat | Drowning                                      | 60  | 0.7 (0.2, 1.6)    | 0.0000525 (0.0000176, 0.0001168) | 0.00234 (0.00077, 0.00497) | 0.8 (0.2, 1.9)      | 0.0000527 (0.0000153, 0.0001185)  | 0.0018 (0.00054, 0.00404)  |
| Sulawesi Barat | Falls                                         | 60  | 3.3 (1.5, 6.2)    | 0.0002488 (0.0001108, 0.0004663) | 0.01106 (0.00516, 0.02036) | 4.0 (2.0, 7.2)      | 0.0002568 (0.0001256, 0.0004603)  | 0.00876 (0.00438, 0.01531) |
| Sulawesi Barat | Interpersonal violence                        | 60  | 0.5 (0.2, 1.0)    | 0.000039 (0.0000166, 0.0000777)  | 0.00174 (0.00076, 0.00321) | 0.5 (0.2, 1.1)      | 0.0000318 (0.0000123, 0.0000684)  | 0.00108 (0.00043, 0.00230) |
| Sulawesi Barat | Self-harm                                     | 60  | 1.3 (0.6, 2.6)    | 0.0000996 (0.0000436, 0.0001969) | 0.00443 (0.00194, 0.00858) | 0.9 (0.4, 1.9)      | 0.0000603 (0.0000228, 0.0001218)  | 0.00206 (0.00081, 0.00406) |
| Sulawesi Barat | Transport injuries                            | 60  | 7.6 (4.1, 12.4)   | 0.000565 (0.0003070, 0.0009272)  | 0.02512 (0.01422, 0.03910) | 5.6 (2.9, 9.7)      | 0.0003536 (0.0001829, 0.0006144)  | 0.01206 (0.00626, 0.02014) |
| Sulawesi Barat | Other unintentional injuries                  | 60  | 2.9 (1.5, 5.0)    | 0.0002175 (0.0001136, 0.0003723) | 0.00968 (0.00545, 0.01597) | 2.2 (1.1, 3.8)      | 0.0001401 (0.0000683, 0.0002435)  | 0.00478 (0.00251, 0.00818) |
| Sulawesi Barat | Diarrheal diseases                            | 65  | 6.7 (3.5, 11.2)   | 0.0007251 (0.0003766, 0.0012027) | 0.02273 (0.01241, 0.03665) | 14.0 (8.0, 21.4)    | 0.0015438 (0.0008855, 0.0023669)  | 0.03557 (0.02086, 0.05398) |
| Sulawesi Barat | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.3)    | 0.000001 (0.0000016, 0.0000308)  | 0.00031 (0.00005, 0.00101) | 0.1 (0.0, 0.4)      | 0.0000143 (0.0000024, 0.0000441)  | 0.00033 (0.00005, 0.00100) |
| Sulawesi Barat | Lower respiratory infections                  | 65  | 8.2 (4.2, 14.3)   | 0.0008826 (0.0004526, 0.0015404) | 0.0277 (0.01513, 0.04646)  | 12.6 (6.9, 20.7)    | 0.0013898 (0.0007586, 0.0022930)  | 0.03205 (0.01763, 0.05273) |
| Sulawesi Barat | Malaria                                       | 65  | 1.6 (0.2, 4.5)    | 0.0001736 (0.0000238, 0.0004833) | 0.00545 (0.00075, 0.01562) | 1.5 (0.2, 4.6)      | 0.0001668 (0.0000224, 0.0005075)  | 0.00386 (0.00052, 0.01183) |
| Sulawesi Barat | Tuberculosis                                  | 65  | 25.1 (15.7, 36.7) | 0.0027019 (0.0016923, 0.0039583) | 0.08481 (0.05782, 0.11681) | 22.9 (13.9, 34.2)   | 0.0025292 (0.0015371, 0.0037821)  | 0.05833 (0.03674, 0.08430) |
| Sulawesi Barat | Other communicable diseases                   | 65  | 5.4 (2.8, 9.6)    | 0.0005813 (0.0003008, 0.0010304) | 0.01825 (0.00989, 0.03048) | 8.9 (4.6, 14.8)     | 0.0009875 (0.0005139, 0.0016404)  | 0.02276 (0.01241, 0.03712) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 65  | 1.5 (0.4, 3.4)    | 0.0001583 (0.0000469, 0.0003635) | 0.00499 (0.00160, 0.01109) | 0.6 (0.2, 1.4)      | 0.0000676 (0.0000202, 0.0001592)  | 0.00156 (0.00046, 0.00364) |
| Sulawesi Barat | Breast cancer                                 | 65  | 0.2 (0.0, 0.4)    | 0.0000164 (0.0000044, 0.0000414) | 0.00051 (0.00014, 0.00129) | 6.4 (2.8, 11.8)     | 0.0007028 (0.0003098, 0.0013095)  | 0.0162 (0.00730, 0.02984)  |
| Sulawesi Barat | Cervical cancer                               | 65  |                   |                                  |                            | 5.6 (1.9, 12.7)     | 0.0006209 (0.0002089, 0.0013987)  | 0.01432 (0.00479, 0.03089) |
| Sulawesi Barat | Other malignant neoplasms                     | 65  | 9.0 (5.0, 14.6)   | 0.000974 (0.0005406, 0.0015765)  | 0.03054 (0.01901, 0.04786) | 12.2 (6.3, 20.3)    | 0.0013477 (0.0006929, 0.0022496)  | 0.03105 (0.01600, 0.04929) |
| Sulawesi Barat | Cerebrovascular disease                       | 65  | 70.0 (49.9, 92.4) | 0.0075446 (0.0053761, 0.0099656) | 0.23666 (0.19340, 0.28098) | 110.5 (86.0, 136.3) | 0.0122116 (0.0095119, 0.0150738)  | 0.28157 (0.23499, 0.32921) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males              |                                     |                            | Females              |                                  |                            |
|----------------|-----------------------------------------------|-----|--------------------|-------------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|                |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                       | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Sulawesi Barat | Ischemic heart disease                        | 65  | 39.1 (27.2, 55.6)  | 0.0042119 (0.0029362, 0.0059910)    | 0.13222 (0.09885, 0.17340) | 37.9 (26.4, 53.9)    | 0.0041928 (0.0029228, 0.0059580) | 0.0967 (0.06925, 0.13071)  |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 65  | 14.2 (7.6, 23.8)   | 0.0015337 (0.0008182, 0.0025604)    | 0.0482 (0.02811, 0.07943)  | 24.3 (13.3, 40.0)    | 0.0026818 (0.0014703, 0.0044273) | 0.0618 (0.03570, 0.09822)  |
| Sulawesi Barat | Diabetes mellitus                             | 65  | 19.5 (12.8, 28.4)  | 0.0021024 (0.0013780, 0.0030664)    | 0.06596 (0.04713, 0.09056) | 29.9 (21.2, 41.5)    | 0.0033014 (0.0023429, 0.0045899) | 0.0761 (0.05638, 0.10260)  |
| Sulawesi Barat | Chronic kidney disease                        | 65  | 5.9 (3.8, 8.7)     | 0.0006388 (0.0004126, 0.0009348)    | 0.02003 (0.01396, 0.02712) | 7.1 (4.8, 10.0)      | 0.0007811 (0.0005281, 0.0011021) | 0.01801 (0.01240, 0.02447) |
| Sulawesi Barat | Cirrhosis                                     | 65  | 8.6 (4.4, 14.1)    | 0.000925 (0.0004776, 0.0015242)     | 0.02901 (0.01567, 0.04618) | 8.7 (4.5, 13.6)      | 0.0009673 (0.0004947, 0.0015070) | 0.02231 (0.01214, 0.03382) |
| Sulawesi Barat | Chronic respiratory diseases                  | 65  | 42.1 (29.8, 58.0)  | 0.0045369 (0.0032097, 0.0062489)    | 0.14229 (0.11004, 0.17858) | 41.6 (29.6, 55.8)    | 0.0045953 (0.0032762, 0.0061705) | 0.10588 (0.07912, 0.13680) |
| Sulawesi Barat | Other non-communicable diseases               | 65  | 24.5 (16.8, 34.6)  | 0.0026443 (0.0018117, 0.0037247)    | 0.08293 (0.06272, 0.10592) | 37.1 (26.6, 49.3)    | 0.0041053 (0.0029449, 0.0054501) | 0.09467 (0.07141, 0.11975) |
| Sulawesi Barat | Drowning                                      | 65  | 0.5 (0.2, 1.2)     | 0.0000593 (0.0000211, 0.0001319)    | 0.00186 (0.00066, 0.00392) | 0.6 (0.2, 1.3)       | 0.0000635 (0.0000210, 0.0001451) | 0.00146 (0.00049, 0.00330) |
| Sulawesi Barat | Falls                                         | 65  | 3.3 (1.5, 6.2)     | 0.0003608 (0.0001660, 0.0006724)    | 0.01132 (0.00558, 0.02083) | 3.5 (1.8, 6.2)       | 0.0003915 (0.0001962, 0.0006808) | 0.00902 (0.00455, 0.01567) |
| Sulawesi Barat | Interpersonal violence                        | 65  | 0.4 (0.2, 0.8)     | 0.0000418 (0.0000166, 0.0000883)    | 0.00131 (0.00054, 0.00259) | 0.3 (0.1, 0.7)       | 0.0000342 (0.0000124, 0.0000738) | 0.00079 (0.00029, 0.00167) |
| Sulawesi Barat | Self-harm                                     | 65  | 1.1 (0.5, 2.1)     | 0.0001217 (0.0000510, 0.0002306)    | 0.00382 (0.00167, 0.00707) | 0.7 (0.3, 1.3)       | 0.0000738 (0.0000279, 0.0001464) | 0.0017 (0.00065, 0.00339)  |
| Sulawesi Barat | Transport injuries                            | 65  | 6.1 (3.2, 10.2)    | 0.0006528 (0.0003407, 0.0010984)    | 0.02048 (0.01133, 0.03283) | 3.8 (1.9, 6.8)       | 0.0004239 (0.0002112, 0.0007504) | 0.00977 (0.00506, 0.01691) |
| Sulawesi Barat | Other unintentional injuries                  | 65  | 2.5 (1.3, 4.3)     | 0.0002741 (0.0001449, 0.0004619)    | 0.00861 (0.00465, 0.01427) | 1.6 (0.8, 2.9)       | 0.0001814 (0.0000910, 0.0003199) | 0.00418 (0.00215, 0.00713) |
| Sulawesi Barat | Diarrheal diseases                            | 70  | 11.6 (6.6, 18.4)   | 0.0017007 (0.0009680, 0.0027077)    | 0.0338 (0.02018, 0.04992)  | 25.6 (15.8, 37.3)    | 0.0032364 (0.0020004, 0.0047243) | 0.07475 (0.02946, 0.06879) |
| Sulawesi Barat | HIV/AIDS                                      | 70  | 0.1 (0.0, 0.4)     | 0.00000205 (0.00000036, 0.00000641) | 0.00041 (0.00007, 0.00129) | 0.2 (0.0, 0.7)       | 0.0000279 (0.0000045, 0.0000862) | 0.00041 (0.00007, 0.00125) |
| Sulawesi Barat | Lower respiratory infections                  | 70  | 12.0 (6.3, 19.8)   | 0.001769 (0.0009286, 0.0029064)     | 0.0352 (0.01958, 0.05778)  | 21.2 (11.9, 33.9)    | 0.0026781 (0.0015088, 0.0042883) | 0.03928 (0.02168, 0.06107) |
| Sulawesi Barat | Malaria                                       | 70  | 1.8 (0.2, 5.1)     | 0.0002596 (0.0000333, 0.0007559)    | 0.00517 (0.00073, 0.01514) | 1.8 (0.2, 5.5)       | 0.0002292 (0.0000309, 0.0006929) | 0.00337 (0.00043, 0.01026) |
| Sulawesi Barat | Tuberculosis                                  | 70  | 28.4 (17.7, 42.7)  | 0.0041761 (0.0026072, 0.0062777)    | 0.08311 (0.05584, 0.11685) | 31.1 (19.0, 46.9)    | 0.0039323 (0.0023995, 0.0059312) | 0.05769 (0.03610, 0.08474) |
| Sulawesi Barat | Other communicable diseases                   | 70  | 7.0 (3.7, 12.7)    | 0.00103 (0.0005504, 0.0018669)      | 0.02049 (0.01151, 0.03397) | 12.3 (6.7, 20.0)     | 0.0015505 (0.0008487, 0.0025261) | 0.02275 (0.01269, 0.03685) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 70  | 1.5 (0.4, 3.4)     | 0.000218 (0.0000630, 0.0005012)     | 0.00435 (0.00130, 0.00980) | 0.7 (0.2, 1.5)       | 0.0000847 (0.0000235, 0.0001924) | 0.00124 (0.00036, 0.00291) |
| Sulawesi Barat | Breast cancer                                 | 70  | 0.1 (0.0, 0.3)     | 0.0000169 (0.0000042, 0.0000440)    | 0.00033 (0.00009, 0.00087) | 5.3 (2.2, 9.9)       | 0.0006643 (0.0002732, 0.0012530) | 0.00974 (0.00415, 0.01772) |
| Sulawesi Barat | Cervical cancer                               | 70  |                    |                                     |                            | 4.4 (1.4, 10.5)      | 0.0005531 (0.0001749, 0.0013269) | 0.00812 (0.00258, 0.01882) |
| Sulawesi Barat | Other malignant neoplasms                     | 70  | 7.8 (4.3, 12.7)    | 0.0011402 (0.0006252, 0.0018652)    | 0.02266 (0.01375, 0.03513) | 13.3 (7.0, 21.3)     | 0.0016805 (0.0008839, 0.0026924) | 0.02465 (0.01306, 0.03878) |
| Sulawesi Barat | Cerebrovascular disease                       | 70  | 80.8 (58.4, 107.2) | 0.0118728 (0.0085817, 0.0157529)    | 0.23611 (0.19386, 0.28071) | 153.6 (120.3, 188.2) | 0.0194369 (0.0152213, 0.0238067) | 0.28506 (0.23900, 0.33231) |
| Sulawesi Barat | Ischemic heart disease                        | 70  | 41.6 (28.6, 58.8)  | 0.0061111 (0.0042040, 0.0086481)    | 0.1216 (0.09067, 0.15844)  | 51.9 (36.2, 72.0)    | 0.0065629 (0.0045796, 0.0091053) | 0.09628 (0.06942, 0.12743) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 70  | 17.5 (9.2, 29.1)   | 0.002567 (0.0013576, 0.0042773)     | 0.05114 (0.02974, 0.08414) | 35.2 (19.7, 58.0)    | 0.0044556 (0.0024880, 0.0073385) | 0.06532 (0.03726, 0.10276) |
| Sulawesi Barat | Diabetes mellitus                             | 70  | 16.2 (10.4, 23.8)  | 0.0023878 (0.0015329, 0.0034919)    | 0.0475 (0.03352, 0.06514)  | 30.2 (21.3, 42.3)    | 0.003825 (0.0026898, 0.0053509)  | 0.0561 (0.04047, 0.07598)  |
| Sulawesi Barat | Chronic kidney disease                        | 70  | 5.7 (3.7, 8.3)     | 0.0008385 (0.0005460, 0.0012253)    | 0.01667 (0.01154, 0.02294) | 8.3 (5.6, 11.8)      | 0.0010514 (0.0007024, 0.0014958) | 0.01543 (0.01057, 0.02121) |
| Sulawesi Barat | Cirrhosis                                     | 70  | 8.2 (4.2, 13.7)    | 0.0012055 (0.0006103, 0.0020118)    | 0.02397 (0.01276, 0.03820) | 9.9 (5.1, 15.6)      | 0.0012586 (0.0006419, 0.0019739) | 0.01847 (0.00963, 0.02787) |
| Sulawesi Barat | Chronic respiratory diseases                  | 70  | 55.6 (39.8, 76.5)  | 0.0081708 (0.0058463, 0.0112402)    | 0.16244 (0.12855, 0.19983) | 65.1 (47.1, 85.3)    | 0.0082401 (0.0059657, 0.0107918) | 0.1208 (0.09125, 0.15313)  |
| Sulawesi Barat | Other non-communicable diseases               | 70  | 30.4 (21.0, 42.5)  | 0.004475 (0.0030926, 0.0062394)     | 0.08896 (0.06665, 0.11398) | 55.1 (40.0, 71.2)    | 0.0069677 (0.0050572, 0.0090147) | 0.10223 (0.07782, 0.12931) |
| Sulawesi Barat | Drowning                                      | 70  | 1.1 (0.4, 2.2)     | 0.0001567 (0.0000601, 0.0003268)    | 0.00312 (0.00124, 0.00647) | 1.2 (0.5, 2.4)       | 0.0001531 (0.0000579, 0.0003081) | 0.00224 (0.00088, 0.00457) |
| Sulawesi Barat | Falls                                         | 70  | 4.2 (2.0, 8.9)     | 0.0006187 (0.0002897, 0.0011740)    | 0.0123 (0.00599, 0.02194)  | 5.0 (2.5, 8.6)       | 0.0006277 (0.0003191, 0.0010872) | 0.0092 (0.00484, 0.01555)  |
| Sulawesi Barat | Interpersonal violence                        | 70  | 0.3 (0.1, 0.7)     | 0.0000441 (0.0000156, 0.0001001)    | 0.00088 (0.00032, 0.00195) | 0.3 (0.1, 0.7)       | 0.0000358 (0.0000115, 0.0000827) | 0.00052 (0.00017, 0.00122) |
| Sulawesi Barat | Self-harm                                     | 70  | 1.0 (0.4, 2.0)     | 0.0001506 (0.0000599, 0.0002955)    | 0.00299 (0.00125, 0.00578) | 0.7 (0.3, 1.5)       | 0.0000913 (0.0000332, 0.0001869) | 0.00134 (0.00049, 0.00283) |
| Sulawesi Barat | Transport injuries                            | 70  | 6.4 (3.4, 11.0)    | 0.0009466 (0.0004924, 0.0016112)    | 0.01882 (0.01040, 0.03010) | 4.6 (2.3, 8.1)       | 0.0005833 (0.0002943, 0.0010247) | 0.00855 (0.00438, 0.01495) |
| Sulawesi Barat | Other unintentional injuries                  | 70  | 2.7 (1.4, 4.6)     | 0.000401 (0.0002115, 0.0006771)     | 0.00798 (0.00445, 0.01338) | 2.0 (1.0, 3.8)       | 0.0002566 (0.0001308, 0.0004751) | 0.00376 (0.00198, 0.00663) |
| Sulawesi Barat | Diarrheal diseases                            | 75  | 10.1 (5.6, 15.6)   | 0.0029466 (0.0016343, 0.0045545)    | 0.04215 (0.02511, 0.06138) | 21.6 (13.5, 31.1)    | 0.0053244 (0.0033391, 0.0076599) | 0.05168 (0.03249, 0.07334) |
| Sulawesi Barat | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.2)     | 0.000022 (0.0000038, 0.0000684)     | 0.00032 (0.00005, 0.00095) | 0.1 (0.0, 0.4)       | 0.0000318 (0.0000055, 0.0000976) | 0.00031 (0.00005, 0.00092) |
| Sulawesi Barat | Lower respiratory infections                  | 75  | 9.1 (4.8, 15.1)    | 0.0026608 (0.0014139, 0.0044321)    | 0.03811 (0.02163, 0.06136) | 15.4 (8.6, 24.7)     | 0.0037966 (0.0021311, 0.0060811) | 0.03687 (0.02094, 0.05858) |
| Sulawesi Barat | Malaria                                       | 75  | 1.3 (0.2, 4.0)     | 0.0003691 (0.0000460, 0.0011730)    | 0.0053 (0.00071, 0.01578)  | 1.5 (0.2, 4.8)       | 0.0003802 (0.0000485, 0.0011812) | 0.0037 (0.00045, 0.01153)  |
| Sulawesi Barat | Tuberculosis                                  | 75  | 16.7 (10.0, 25.8)  | 0.0048909 (0.0029304, 0.0075677)    | 0.07004 (0.04416, 0.10243) | 22.0 (13.2, 33.2)    | 0.0054162 (0.0032514, 0.0081786) | 0.0526 (0.03229, 0.07963)  |
| Sulawesi Barat | Other communicable diseases                   | 75  | 5.0 (2.7, 9.0)     | 0.0014581 (0.0007808, 0.0026399)    | 0.02088 (0.01119, 0.03460) | 7.9 (4.2, 13.4)      | 0.0019555 (0.0010250, 0.0033119) | 0.019 (0.00985, 0.03162)   |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 75  | 0.7 (0.2, 1.7)     | 0.0002186 (0.0000626, 0.0004937)    | 0.00314 (0.00091, 0.00730) | 0.4 (0.1, 1.0)       | 0.0000993 (0.0000283, 0.0002376) | 0.00096 (0.00027, 0.00223) |
| Sulawesi Barat | Breast cancer                                 | 75  | 0.1 (0.0, 0.1)     | 0.0000151 (0.0000034, 0.0000411)    | 0.00022 (0.00005, 0.00058) | 3.0 (1.3, 5.9)       | 0.0007483 (0.0003110, 0.0014584) | 0.00727 (0.00303, 0.01399) |
| Sulawesi Barat | Cervical cancer                               | 75  |                    |                                     |                            | 1.8 (0.6, 4.6)       | 0.0004487 (0.0001375, 0.0011274) | 0.00436 (0.00136, 0.01071) |
| Sulawesi Barat | Other malignant neoplasms                     | 75  | 4.1 (2.3, 7.0)     | 0.0011981 (0.0006595, 0.0020361)    | 0.01714 (0.01022, 0.02653) | 9.4 (5.2, 15.1)      | 0.0023195 (0.0012789, 0.0037271) | 0.02252 (0.01257, 0.03551) |
| Sulawesi Barat | Cerebrovascular disease                       | 75  | 56.9 (40.7, 76.7)  | 0.0166595 (0.0119317, 0.0224655)    | 0.23842 (0.19400, 0.28358) | 117.5 (93.1, 142.7)  | 0.0289735 (0.0229637, 0.0351846) | 0.28132 (0.23363, 0.32943) |
| Sulawesi Barat | Ischemic heart disease                        | 75  | 31.1 (21.2, 45.1)  | 0.0091109 (0.0062189, 0.0132054)    | 0.13044 (0.09599, 0.16923) | 45.6 (32.4, 62.9)    | 0.0112497 (0.0080011, 0.0155030) | 0.10924 (0.07946, 0.14301) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 75  | 12.5 (6.6, 21.2)   | 0.0036535 (0.0019377, 0.0062083)    | 0.05238 (0.03070, 0.08548) | 29.1 (16.6, 47.3)    | 0.0071661 (0.0040949, 0.0116565) | 0.06955 (0.04072, 0.11015) |
| Sulawesi Barat | Diabetes mellitus                             | 75  | 9.4 (6.1, 14.2)    | 0.0027616 (0.0017840, 0.0041517)    | 0.03953 (0.02750, 0.05530) | 20.4 (14.5, 28.6)    | 0.0050331 (0.0035765, 0.0070659) | 0.04885 (0.03533, 0.06708) |
| Sulawesi Barat | Chronic kidney disease                        | 75  | 3.5 (2.2, 5.2)     | 0.0010222 (0.0006564, 0.0015331)    | 0.01462 (0.01009, 0.01993) | 6.2 (4.2, 8.8)       | 0.0015302 (0.0010446, 0.0021680) | 0.01486 (0.01035, 0.02045) |
| Sulawesi Barat | Cirrhosis                                     | 75  | 5.1 (2.6, 8.6)     | 0.0014924 (0.0007588, 0.0025166)    | 0.02135 (0.01148, 0.03510) | 6.4 (3.4, 9.9)       | 0.0015789 (0.0008370, 0.0024354) | 0.01533 (0.00814, 0.02309) |
| Sulawesi Barat | Chronic respiratory diseases                  | 75  | 37.8 (26.6, 52.5)  | 0.0110598 (0.0077897, 0.0153808)    | 0.15822 (0.12250, 0.19284) | 51.0 (37.2, 65.8)    | 0.0125899 (0.0091655, 0.0162247) | 0.12222 (0.09139, 0.15398) |
| Sulawesi Barat | Other non-communicable diseases               | 75  | 24.4 (16.9, 34.2)  | 0.0071525 (0.0049537, 0.0100037)    | 0.10234 (0.07744, 0.13056) | 49.2 (35.7, 63.6)    | 0.0121399 (0.0088063, 0.0156768) | 0.11788 (0.09077, 0.14874) |
| Sulawesi Barat | Drowning                                      | 75  | 1.1 (0.4, 2.4)     | 0.0003272 (0.0001270, 0.0007125)    | 0.00468 (0.00188, 0.00986) | 0.9 (0.4, 1.9)       | 0.0002293 (0.0000888, 0.0004722) | 0.00222 (0.00088, 0.00467) |
| Sulawesi Barat | Falls                                         | 75  | 3.7 (1.8, 6.6)     | 0.0010775 (0.0005193, 0.0019460)    | 0.01542 (0.00784, 0.02717) | 3.6 (1.9, 6.3)       | 0.000899 (0.0004639, 0.0015489)  | 0.00872 (0.00459, 0.01455) |
| Sulawesi Barat | Interpersonal violence                        | 75  | 0.2 (0.0, 0.4)     | 0.0000455 (0.0000129, 0.0001183)    | 0.00065 (0.00019, 0.00162) | 0.2 (0.0, 0.5)       | 0.0000432 (0.0000119, 0.0001184) | 0.00042 (0.00011, 0.00114) |
| Sulawesi Barat | Self-harm                                     | 75  | 0.6 (0.2, 1.3)     | 0.0001856 (0.0000658, 0.0003781)    | 0.00266 (0.00100, 0.00525) | 0.6 (0.2, 1.2)       | 0.0001407 (0.0000505, 0.0002856) | 0.00136 (0.00049, 0.00275) |
| Sulawesi Barat | Transport injuries                            | 75  | 3.4 (1.7, 6.3)     | 0.001003 (0.0004844, 0.0018354)     | 0.01436 (0.00758, 0.02427) | 2.3 (1.1, 4.1)       | 0.0005581 (0.0002743, 0.0010100) | 0.00542 (0.00270, 0.00987) |
| Sulawesi Barat | Other unintentional injuries                  | 75  | 1.8 (0.9, 3.1)     | 0.0005328 (0.0002594, 0.0009112)    | 0.00764 (0.00401, 0.01274) | 1.4 (0.7, 2.4)       | 0.0003426 (0.0001674, 0.0005941) | 0.00332 (0.00167, 0.00572) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                |                                  |                            | Females                  |                                  |                            |
|----------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|--------------------------|----------------------------------|----------------------------|
|                |                                                          |     | Deaths (95% UI)      | CF (95% UI)                      | CF (95% UI)                | Deaths (95% UI)          | CF (95% UI)                      | CF (95% UI)                |
|                |                                                          |     |                      |                                  |                            |                          |                                  |                            |
| Sulawesi Barat | Diarrheal diseases                                       | 80  | 32.7 (21.1, 47.2)    | 0.0097428 (0.0063042, 0.0140733) | 0.07054 (0.04683, 0.09709) | 79.9 (54.0, 107.1)       | 0.0168225 (0.0113830, 0.0225632) | 0.08692 (0.05931, 0.11512) |
| Sulawesi Barat | HIV/AIDS                                                 | 80  | 0.1 (0.0, 0.5)       | 0.0000441 (0.0000068, 0.0001414) | 0.00032 (0.00005, 0.00105) | 0.3 (0.0, 0.9)           | 0.0000579 (0.0000085, 0.0001793) | 0.0003 (0.00004, 0.00095)  |
| Sulawesi Barat | Lower respiratory infections                             | 80  | 19.9 (11.1, 31.9)    | 0.0059338 (0.0033034, 0.0095236) | 0.04299 (0.02396, 0.06982) | 42.2 (24.2, 66.1)        | 0.0088792 (0.0050930, 0.0139232) | 0.04588 (0.02611, 0.07190) |
| Sulawesi Barat | Malaria                                                  | 80  | 3.0 (0.4, 9.3)       | 0.0008823 (0.0001114, 0.0027750) | 0.0064 (0.00084, 0.02071)  | 3.3 (0.4, 10.5)          | 0.0007023 (0.0000858, 0.0022112) | 0.00363 (0.00044, 0.01145) |
| Sulawesi Barat | Tuberculosis                                             | 80  | 32.0 (19.3, 47.3)    | 0.0095301 (0.0057409, 0.0141080) | 0.06904 (0.04227, 0.09834) | 42.2 (24.2, 64.8)        | 0.0088802 (0.0050935, 0.0136581) | 0.0459 (0.02706, 0.06950)  |
| Sulawesi Barat | Other communicable diseases                              | 80  | 10.7 (5.8, 18.6)     | 0.0031927 (0.0017187, 0.0055493) | 0.02312 (0.01254, 0.03844) | 20.9 (11.2, 35.0)        | 0.0044074 (0.0023520, 0.0073746) | 0.02278 (0.01217, 0.03718) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer                      | 80  | 1.1 (0.3, 2.6)       | 0.0003415 (0.0000994, 0.0007711) | 0.00248 (0.00073, 0.00573) | 0.7 (0.2, 1.6)           | 0.000143 (0.0000386, 0.0003428)  | 0.00074 (0.00020, 0.00181) |
| Sulawesi Barat | Breast cancer                                            | 80  | 0.1 (0.0, 0.2)       | 0.0000235 (0.0000045, 0.0000738) | 0.00017 (0.00003, 0.00051) | 3.8 (1.4, 8.0)           | 0.0008035 (0.0002956, 0.0016870) | 0.00415 (0.00156, 0.00866) |
| Sulawesi Barat | Cervical cancer                                          | 80  |                      |                                  |                            | 2.5 (0.6, 6.6)           | 0.0005229 (0.0001303, 0.0013845) | 0.0027 (0.00070, 0.00715)  |
| Sulawesi Barat | Other malignant neoplasms                                | 80  | 6.6 (3.8, 10.6)      | 0.0019787 (0.0011194, 0.0031734) | 0.01433 (0.00831, 0.02250) | 15.3 (8.3, 24.7)         | 0.0032157 (0.0017380, 0.0052119) | 0.01662 (0.00901, 0.02676) |
| Sulawesi Barat | Cerebrovascular disease                                  | 80  | 106.7 (82.2, 133.9)  | 0.0318177 (0.0245104, 0.0399278) | 0.23042 (0.18792, 0.27575) | 260.1 (213.6, 310.2)     | 0.0547765 (0.0449924, 0.0653397) | 0.28308 (0.23563, 0.33235) |
| Sulawesi Barat | Ischemic heart disease                                   | 80  | 54.4 (38.5, 75.3)    | 0.0162343 (0.0114880, 0.0224449) | 0.11758 (0.08678, 0.15439) | 93.1 (65.7, 126.2)       | 0.0196009 (0.0138478, 0.0265858) | 0.1013 (0.07279, 0.13571)  |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | 80  | 22.8 (12.4, 37.3)    | 0.0067887 (0.0036974, 0.0111305) | 0.04921 (0.02803, 0.08062) | 56.4 (31.6, 91.4)        | 0.0118859 (0.0066580, 0.0192572) | 0.06141 (0.03554, 0.09856) |
| Sulawesi Barat | Diabetes mellitus                                        | 80  | 14.6 (9.7, 20.9)     | 0.0043552 (0.0028914, 0.0062454) | 0.03154 (0.02178, 0.04415) | 34.3 (24.3, 48.2)        | 0.0072283 (0.0051191, 0.0101545) | 0.03736 (0.02669, 0.05180) |
| Sulawesi Barat | Chronic kidney disease                                   | 80  | 5.7 (3.7, 8.2)       | 0.0016997 (0.0010919, 0.0024448) | 0.01231 (0.00810, 0.01720) | 10.4 (6.8, 14.8)         | 0.0021977 (0.0014398, 0.0031103) | 0.01136 (0.00747, 0.01604) |
| Sulawesi Barat | Cirrhosis                                                | 80  | 8.0 (3.9, 13.1)      | 0.0023729 (0.0011603, 0.0039189) | 0.01718 (0.00902, 0.02773) | 12.2 (6.4, 19.2)         | 0.0025699 (0.0013440, 0.0040495) | 0.01328 (0.00699, 0.02064) |
| Sulawesi Barat | Chronic respiratory diseases                             | 80  | 73.9 (55.8, 96.4)    | 0.0220325 (0.0166501, 0.0287464) | 0.15952 (0.12677, 0.19631) | 103.1 (75.5, 132.6)      | 0.0217087 (0.0159099, 0.0279306) | 0.11216 (0.08391, 0.14320) |
| Sulawesi Barat | Other non-communicable diseases                          | 80  | 51.3 (37.3, 67.8)    | 0.0152993 (0.0111150, 0.0202031) | 0.11078 (0.08378, 0.14058) | 116.5 (87.2, 147.4)      | 0.0245346 (0.0183634, 0.0310425) | 0.1268 (0.09760, 0.15957)  |
| Sulawesi Barat | Drowning                                                 | 80  | 1.7 (0.6, 3.9)       | 0.0005214 (0.0001837, 0.0011588) | 0.00378 (0.00134, 0.00814) | 2.3 (0.8, 4.9)           | 0.0004911 (0.0001639, 0.0010387) | 0.00254 (0.00085, 0.00536) |
| Sulawesi Barat | Falls                                                    | 80  | 8.0 (4.0, 13.7)      | 0.002393 (0.0011864, 0.0040862)  | 0.01733 (0.00892, 0.02958) | 11.1 (6.1, 18.3)         | 0.0023442 (0.0012944, 0.0038550) | 0.01212 (0.00668, 0.01972) |
| Sulawesi Barat | Interpersonal violence                                   | 80  | 0.2 (0.0, 0.7)       | 0.0000705 (0.0000129, 0.0002112) | 0.00051 (0.00009, 0.00150) | 0.3 (0.0, 0.8)           | 0.000054 (0.0000103, 0.0001746)  | 0.00028 (0.00005, 0.00092) |
| Sulawesi Barat | Self-harm                                                | 80  | 1.2 (0.4, 2.6)       | 0.0003542 (0.0001265, 0.0007664) | 0.00256 (0.00094, 0.00552) | 1.0 (0.3, 2.1)           | 0.0002024 (0.0000610, 0.0004480) | 0.00104 (0.00032, 0.00231) |
| Sulawesi Barat | Transport injuries                                       | 80  | 5.2 (2.4, 9.6)       | 0.0015402 (0.0007289, 0.0028713) | 0.01114 (0.00531, 0.02030) | 4.3 (2.0, 8.6)           | 0.0009105 (0.0004110, 0.0018081) | 0.0047 (0.00213, 0.00917)  |
| Sulawesi Barat | Other unintentional injuries                             | 80  | 3.1 (1.4, 5.6)       | 0.0009297 (0.0004277, 0.0016709) | 0.00674 (0.00308, 0.01216) | 2.7 (1.2, 5.1)           | 0.0005689 (0.0002486, 0.0010796) | 0.00294 (0.00131, 0.00551) |
| Sulawesi Barat | Diarrheal diseases                                       | All | 197.5 (115.0, 312.5) | 0.0003137 (0.0001827, 0.0004963) | 0.04687 (0.02890, 0.06914) | 307.6 (191.2, 444.5)     | 0.000491 (0.0002353, 0.0007095)  | 0.05687 (0.03651, 0.08007) |
| Sulawesi Barat | HIV/AIDS                                                 | All | 21.6 (5.3, 55.8)     | 0.0000342 (0.0000084, 0.0000887) | 0.00513 (0.00127, 0.01296) | 20.0 (4.9, 52.5)         | 0.0000319 (0.0000078, 0.0000838) | 0.0037 (0.00091, 0.00938)  |
| Sulawesi Barat | Lower respiratory infections                             | All | 296.7 (186.5, 437.9) | 0.0004713 (0.0002963, 0.0006954) | 0.07037 (0.04820, 0.09703) | 294.5 (185.2, 430.7)     | 0.0004701 (0.0002957, 0.0006875) | 0.05442 (0.03556, 0.07781) |
| Sulawesi Barat | Malaria                                                  | All | 30.4 (4.3, 85.1)     | 0.0000483 (0.0000068, 0.0001352) | 0.00725 (0.00105, 0.02080) | 29.0 (4.1, 79.2)         | 0.0000462 (0.0000065, 0.0001264) | 0.00537 (0.00075, 0.01532) |
| Sulawesi Barat | Tuberculosis                                             | All | 299.1 (192.3, 428.5) | 0.0004751 (0.0003055, 0.0006807) | 0.0713 (0.04858, 0.09754)  | 289.7 (179.5, 427.6)     | 0.0004624 (0.0002865, 0.0006825) | 0.05365 (0.03422, 0.07702) |
| Sulawesi Barat | Maternal disorders                                       | All |                      |                                  |                            | 65.4 (41.1, 93.6)        | 0.0001044 (0.0000657, 0.0001495) | 0.01209 (0.00788, 0.01703) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 181.2 (83.6, 315.8)  | 0.0002878 (0.0001328, 0.0005016) | 0.04263 (0.02182, 0.06874) | 118.1 (55.9, 210.8)      | 0.0001886 (0.0000892, 0.0003365) | 0.0217 (0.01083, 0.03793)  |
| Sulawesi Barat | Preterm birth complications                              | All | 56.4 (20.2, 118.5)   | 0.0000896 (0.0000320, 0.0001883) | 0.0133 (0.00505, 0.02657)  | 49.8 (17.9, 105.6)       | 0.0000795 (0.0000286, 0.0001686) | 0.00916 (0.00350, 0.01865) |
| Sulawesi Barat | Other neonatal disorders                                 | All | 101.9 (37.5, 210.9)  | 0.0001618 (0.0000595, 0.0003350) | 0.024 (0.00950, 0.04722)   | 64.4 (21.2, 132.4)       | 0.0001028 (0.0000338, 0.0002113) | 0.01184 (0.00410, 0.02374) |
| Sulawesi Barat | Other communicable diseases                              | All | 293.6 (187.6, 435.4) | 0.0004663 (0.0002979, 0.0006915) | 0.06978 (0.04719, 0.09726) | 289.5 (183.7, 432.4)     | 0.0004621 (0.0002933, 0.0006902) | 0.0535 (0.03523, 0.07600)  |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer                      | All | 14.2 (4.4, 31.1)     | 0.0000226 (0.0000070, 0.0000494) | 0.0034 (0.00107, 0.00730)  | 8.7 (2.6, 19.8)          | 0.0000139 (0.0000042, 0.0000317) | 0.00161 (0.00047, 0.00370) |
| Sulawesi Barat | Breast cancer                                            | All | 1.6 (0.5, 3.7)       | 0.0000025 (0.0000008, 0.0000058) | 0.00038 (0.00013, 0.00087) | 115.4 (56.4, 198.3)      | 0.0001842 (0.0000900, 0.0003166) | 0.02135 (0.01057, 0.03645) |
| Sulawesi Barat | Cervical cancer                                          | All |                      |                                  |                            | 93.9 (35.2, 193.3)       | 0.00015 (0.0000561, 0.0003086)   | 0.01737 (0.00647, 0.03614) |
| Sulawesi Barat | Other malignant neoplasms                                | All | 131.8 (78.5, 206.0)  | 0.0002093 (0.0001247, 0.0003272) | 0.03138 (0.01968, 0.04653) | 173.7 (99.6, 277.4)      | 0.0002773 (0.0001589, 0.0004428) | 0.03214 (0.01855, 0.04928) |
| Sulawesi Barat | Cerebrovascular disease                                  | All | 553.8 (402.9, 721.3) | 0.0008796 (0.0006399, 0.0011456) | 0.13203 (0.09942, 0.16700) | 1,034.6 (811.9, 1,274.6) | 0.0016515 (0.0012960, 0.0020346) | 0.19163 (0.15520, 0.22875) |
| Sulawesi Barat | Ischemic heart disease                                   | All | 341.1 (240.4, 480.7) | 0.0005418 (0.0003818, 0.0007635) | 0.08136 (0.05941, 0.10747) | 400.6 (281.8, 560.5)     | 0.0006395 (0.0004499, 0.0008946) | 0.07423 (0.05311, 0.09978) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | All | 118.6 (62.3, 196.3)  | 0.0001884 (0.0000989, 0.0003117) | 0.0283 (0.01588, 0.04691)  | 241.3 (131.6, 397.1)     | 0.0003852 (0.0002101, 0.0006339) | 0.04468 (0.02531, 0.07229) |
| Sulawesi Barat | Diabetes mellitus                                        | All | 159.6 (106.5, 228.0) | 0.0002535 (0.0001692, 0.0003622) | 0.03802 (0.02687, 0.05289) | 277.4 (199.7, 388.1)     | 0.0004428 (0.0003188, 0.0006195) | 0.05133 (0.03847, 0.06929) |
| Sulawesi Barat | Chronic kidney disease                                   | All | 66.6 (44.1, 97.7)    | 0.0001058 (0.0000700, 0.0001552) | 0.01586 (0.01097, 0.02183) | 92.2 (61.6, 129.8)       | 0.0001471 (0.0000983, 0.0002072) | 0.01706 (0.01167, 0.02352) |
| Sulawesi Barat | Cirrhosis                                                | All | 108.6 (58.4, 172.8)  | 0.0001725 (0.0000927, 0.0002745) | 0.02591 (0.01362, 0.04069) | 114.5 (59.7, 178.1)      | 0.0001828 (0.0000953, 0.0002843) | 0.02121 (0.01130, 0.03198) |
| Sulawesi Barat | Chronic respiratory diseases                             | All | 361.3 (258.5, 498.1) | 0.0005739 (0.0004106, 0.0007911) | 0.08612 (0.06262, 0.11400) | 424.8 (302.3, 564.6)     | 0.0006781 (0.0004825, 0.0009013) | 0.07866 (0.05800, 0.10466) |
| Sulawesi Barat | Other non-communicable diseases                          | All | 390.4 (292.9, 514.8) | 0.0006201 (0.0004651, 0.0008176) | 0.09282 (0.07492, 0.11227) | 595.7 (451.2, 761.1)     | 0.0009509 (0.0007202, 0.0012149) | 0.11025 (0.08808, 0.13429) |
| Sulawesi Barat | Drowning                                                 | All | 74.6 (44.6, 118.0)   | 0.0001184 (0.0000709, 0.0001874) | 0.0178 (0.01079, 0.02752)  | 36.0 (19.4, 60.4)        | 0.0000574 (0.0000309, 0.0000965) | 0.00665 (0.00362, 0.01096) |
| Sulawesi Barat | Falls                                                    | All | 52.0 (26.0, 92.2)    | 0.0000825 (0.0000413, 0.0001464) | 0.01238 (0.00624, 0.02226) | 48.6 (25.2, 83.6)        | 0.0000776 (0.0000402, 0.0001335) | 0.009 (0.00484, 0.01503)   |
| Sulawesi Barat | Interpersonal violence                                   | All | 19.5 (10.7, 31.7)    | 0.0000309 (0.0000170, 0.0000504) | 0.00463 (0.00257, 0.00755) | 18.7 (9.5, 33.5)         | 0.0000298 (0.0000152, 0.0000535) | 0.00344 (0.00180, 0.00586) |
| Sulawesi Barat | Self-harm                                                | All | 24.3 (11.6, 42.7)    | 0.0000386 (0.0000183, 0.0000678) | 0.0058 (0.00282, 0.01017)  | 20.6 (9.4, 38.4)         | 0.0000329 (0.0000151, 0.0000614) | 0.00381 (0.00177, 0.00696) |
| Sulawesi Barat | Transport injuries                                       | All | 221.3 (152.3, 312.3) | 0.0003515 (0.0002419, 0.0004960) | 0.05278 (0.03668, 0.07152) | 129.6 (82.5, 197.3)      | 0.0002068 (0.0001316, 0.0003150) | 0.02398 (0.01563, 0.03600) |
| Sulawesi Barat | Other unintentional injuries                             | All | 85.8 (52.5, 132.9)   | 0.0001363 (0.0000835, 0.0002111) | 0.02043 (0.01261, 0.03048) | 50.3 (28.1, 80.8)        | 0.0000803 (0.0000449, 0.0001290) | 0.0093 (0.00553, 0.01432)  |
| Maluku         | Diarrheal diseases                                       | NN  | 2.6 (0.8, 6.0)       | 0.0016779 (0.0005424, 0.0038688) | 0.13333 (0.00590, 0.02592) | 1.8 (0.6, 4.3)           | 0.0012018 (0.0003854, 0.0028300) | 0.01483 (0.00657, 0.02907) |
| Maluku         | Lower respiratory infections                             | NN  | 25.3 (10.5, 47.9)    | 0.0163188 (0.0067939, 0.0308763) | 0.12898 (0.08020, 0.19129) | 13.8 (5.7, 27.7)         | 0.0090893 (0.0037841, 0.0183075) | 0.11286 (0.06710, 0.16984) |
| Maluku         | Malaria                                                  | NN  | 0.3 (0.0, 1.3)       | 0.0001645 (0.0000055, 0.0008372) | 0.0013 (0.00005, 0.00600)  | 0.1 (0.0, 0.6)           | 0.0000887 (0.0000032, 0.0004133) | 0.00112 (0.00004, 0.00537) |
| Maluku         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 68.6 (30.6, 122.4)   | 0.0442142 (0.0196949, 0.0788623) | 0.35088 (0.24361, 0.47861) | 42.1 (18.3, 77.0)        | 0.0277789 (0.0121070, 0.0508710) | 0.34517 (0.22975, 0.47618) |
| Maluku         | Preterm birth complications                              | NN  | 19.8 (5.6, 43.7)     | 0.0127293 (0.0036080, 0.0281749) | 0.10088 (0.03820, 0.19454) | 15.9 (5.1, 36.7)         | 0.0105052 (0.0033911, 0.0242660) | 0.13074 (0.05385, 0.24363) |
| Maluku         | Other neonatal disorders                                 | NN  | 49.2 (10.9, 101.6)   | 0.0317082 (0.0070183, 0.0654392) | 0.25127 (0.07134, 0.39355) | 29.2 (5.9, 65.0)         | 0.0192874 (0.0038901, 0.0429546) | 0.23947 (0.06344, 0.39071) |
| Maluku         | Other communicable diseases                              | NN  | 2.2 (0.7, 4.8)       | 0.0013858 (0.0004406, 0.0030972) | 0.011 (0.00475, 0.02154)   | 1.0 (0.3, 2.4)           | 0.0006919 (0.0002056, 0.0016129) | 0.0086 (0.00350, 0.01731)  |
| Maluku         | Other malignant neoplasms                                | NN  | 1.4 (0.4, 3.5)       | 0.0008933 (0.0002535, 0.0022468) | 0.00706 (0.00276, 0.01453) | 1.0 (0.3, 2.4)           | 0.0006347 (0.0001711, 0.0016076) | 0.00793 (0.00290, 0.01619) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males              |                                  |                             | Females            |                                  |                            |
|----------|----------------------------------------------------------|-----|--------------------|----------------------------------|-----------------------------|--------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Cerebrovascular disease                                  | NN  | 0.2 (0.0, 0.5)     | 0.0001148 (0.0000242, 0.0003235) | 0.00091 (0.00025, 0.00228)  | 0.2 (0.0, 0.4)     | 0.0001038 (0.0000237, 0.0002928) | 0.00129 (0.00038, 0.00312) |
| Maluku   | Other cardiovascular and circulatory diseases            | NN  | 0.3 (0.0, 0.8)     | 0.0001652 (0.0000262, 0.0005097) | 0.00132 (0.00029, 0.00428)  | 0.2 (0.0, 0.6)     | 0.0001368 (0.0000244, 0.0004185) | 0.00169 (0.00036, 0.00499) |
| Maluku   | Diabetes mellitus                                        | NN  | 0.1 (0.0, 0.5)     | 0.000044 (0.0000002, 0.0003339)  | 0.00036 (0.00000, 0.00297)  | 0.1 (0.0, 0.6)     | 0.0000521 (0.0000002, 0.0004116) | 0.00065 (0.00000, 0.00551) |
| Maluku   | Other non-communicable diseases                          | NN  | 18.7 (8.8, 32.2)   | 0.0120432 (0.0056895, 0.0207248) | 0.09546 (0.06965, 0.12576)  | 14.7 (7.0, 25.8)   | 0.0097355 (0.0046399, 0.0170574) | 0.12088 (0.09028, 0.15458) |
| Maluku   | Drowning                                                 | NN  | 2.3 (0.6, 6.5)     | 0.0014861 (0.0003701, 0.0041574) | 0.0118 (0.00345, 0.02696)   | 0.4 (0.1, 1.3)     | 0.0002956 (0.0000606, 0.0008440) | 0.00365 (0.00095, 0.00918) |
| Maluku   | Falls                                                    | NN  | 0.8 (0.2, 2.4)     | 0.0005156 (0.0001169, 0.0015185) | 0.0041 (0.00106, 0.01047)   | 0.2 (0.0, 0.6)     | 0.0001403 (0.0000278, 0.0004090) | 0.00175 (0.00045, 0.00470) |
| Maluku   | Interpersonal violence                                   | NN  | 0.4 (0.1, 1.2)     | 0.0002707 (0.0000584, 0.0007583) | 0.00214 (0.00055, 0.00514)  | 0.2 (0.0, 0.6)     | 0.0001358 (0.0000267, 0.0004017) | 0.00168 (0.00044, 0.00404) |
| Maluku   | Transport injuries                                       | NN  | 1.1 (0.3, 3.0)     | 0.0006822 (0.0001682, 0.0019386) | 0.00544 (0.00161, 0.01340)  | 0.2 (0.0, 0.6)     | 0.000141 (0.0000306, 0.0004123)  | 0.00175 (0.00050, 0.00431) |
| Maluku   | Other unintentional injuries                             | NN  | 2.7 (0.8, 6.7)     | 0.001729 (0.0004929, 0.0042843)  | 0.01376 (0.00472, 0.02815)  | 0.7 (0.2, 1.8)     | 0.0004798 (0.0001270, 0.0011793) | 0.00594 (0.00207, 0.01231) |
| Maluku   | Diarrheal diseases                                       | PNN | 66.4 (28.5, 125.4) | 0.0034249 (0.0014721, 0.0064733) | 0.24912 (0.14944, 0.35550)  | 79.4 (34.9, 142.9) | 0.0042045 (0.0018463, 0.0075618) | 0.30313 (0.18973, 0.41513) |
| Maluku   | HIV/AIDS                                                 | PNN | 4.7 (0.7, 15.2)    | 0.0002448 (0.0000359, 0.0007852) | 0.01761 (0.00330, 0.05251)  | 4.3 (0.7, 13.9)    | 0.0002255 (0.0000344, 0.0007359) | 0.0163 (0.00286, 0.05045)  |
| Maluku   | Lower respiratory infections                             | PNN | 48.5 (19.6, 88.0)  | 0.0025047 (0.0010126, 0.0045402) | 0.18207 (0.10369, 0.26161)  | 42.6 (16.7, 80.0)  | 0.0022554 (0.0008837, 0.0042364) | 0.1628 (0.08938, 0.24086)  |
| Maluku   | Malaria                                                  | PNN | 6.3 (0.2, 30.5)    | 0.0003245 (0.0000112, 0.0015764) | 0.02376 (0.00096, 0.10578)  | 5.8 (0.2, 26.9)    | 0.0003058 (0.0000118, 0.0014262) | 0.02247 (0.00091, 0.10174) |
| Maluku   | Tuberculosis                                             | PNN | 12.2 (3.7, 29.8)   | 0.0006301 (0.0001885, 0.0015396) | 0.04598 (0.01628, 0.10038)  | 11.8 (3.3, 28.9)   | 0.0006228 (0.0001749, 0.0015300) | 0.0451 (0.01591, 0.09568)  |
| Maluku   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 6.5 (1.6, 17.7)    | 0.0003359 (0.0000819, 0.0009143) | 0.0244 (0.00768, 0.06235)   | 6.0 (1.6, 16.0)    | 0.0003163 (0.0000837, 0.0008442) | 0.02278 (0.00701, 0.05570) |
| Maluku   | Preterm birth complications                              | PNN | 3.0 (0.6, 8.0)     | 0.0001522 (0.0000324, 0.0004138) | 0.01109 (0.00308, 0.02804)  | 4.1 (0.9, 12.2)    | 0.0002187 (0.0000499, 0.0006435) | 0.01564 (0.00448, 0.04059) |
| Maluku   | Other neonatal disorders                                 | PNN | 18.9 (1.9, 60.1)   | 0.0009734 (0.0000992, 0.0031000) | 0.07149 (0.00726, 0.20537)  | 17.5 (1.8, 57.2)   | 0.0009248 (0.0000949, 0.0030252) | 0.0669 (0.00717, 0.20081)  |
| Maluku   | Other communicable diseases                              | PNN | 60.7 (24.8, 113.2) | 0.0031323 (0.0012821, 0.0058407) | 0.22726 (0.13814, 0.33927)  | 51.3 (20.5, 99.9)  | 0.0027137 (0.0010875, 0.0052855) | 0.19487 (0.11625, 0.29953) |
| Maluku   | Other malignant neoplasms                                | PNN | 1.8 (0.5, 4.4)     | 0.0000912 (0.0000271, 0.0002293) | 0.00664 (0.00255, 0.01361)  | 2.0 (0.5, 4.7)     | 0.0001041 (0.0000290, 0.0002513) | 0.0075 (0.00275, 0.01547)  |
| Maluku   | Cerebrovascular disease                                  | PNN | 0.2 (0.1, 0.6)     | 0.0000118 (0.0000027, 0.0000321) | 0.00086 (0.00023, 0.00215)  | 0.3 (0.1, 0.9)     | 0.0000171 (0.0000039, 0.0000484) | 0.00123 (0.00035, 0.00297) |
| Maluku   | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.6)     | 0.0000059 (0.0000003, 0.0000300) | 0.00043 (0.00003, 0.00221)  | 0.2 (0.0, 0.8)     | 0.0000085 (0.0000005, 0.0000430) | 0.00062 (0.00005, 0.00306) |
| Maluku   | Other cardiovascular and circulatory diseases            | PNN | 0.3 (0.1, 1.0)     | 0.0000171 (0.0000029, 0.0000537) | 0.00124 (0.00027, 0.00403)  | 0.4 (0.1, 1.4)     | 0.0000225 (0.0000037, 0.0000753) | 0.0016 (0.00033, 0.00476)  |
| Maluku   | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.7)     | 0.0000046 (0.0000000, 0.0000357) | 0.00034 (0.00000, 0.00274)  | 0.2 (0.0, 1.3)     | 0.0000088 (0.0000000, 0.0000693) | 0.00062 (0.00000, 0.00505) |
| Maluku   | Chronic kidney disease                                   | PNN | 1.8 (0.6, 4.1)     | 0.0000919 (0.0000309, 0.0002121) | 0.00669 (0.00281, 0.01364)  | 2.1 (0.6, 4.7)     | 0.0001107 (0.0000336, 0.0002506) | 0.00799 (0.00317, 0.01648) |
| Maluku   | Other non-communicable diseases                          | PNN | 23.8 (11.0, 42.4)  | 0.0012283 (0.0005682, 0.0021899) | 0.08937 (0.06521, 0.11705)  | 30.0 (13.6, 53.5)  | 0.0015858 (0.0007195, 0.0028328) | 0.11384 (0.08375, 0.14634) |
| Maluku   | Drowning                                                 | PNN | 3.6 (0.9, 8.9)     | 0.0001865 (0.0000476, 0.0004608) | 0.0136 (0.00423, 0.03082)   | 1.1 (0.2, 3.0)     | 0.0000586 (0.0000131, 0.0001593) | 0.00426 (0.00113, 0.01045) |
| Maluku   | Falls                                                    | PNN | 1.2 (0.3, 3.2)     | 0.0000624 (0.0000142, 0.0001659) | 0.00455 (0.00124, 0.01129)  | 0.5 (0.1, 1.4)     | 0.000027 (0.0000060, 0.0000737)  | 0.00196 (0.00052, 0.00509) |
| Maluku   | Interpersonal violence                                   | PNN | 0.6 (0.1, 1.8)     | 0.000032 (0.0000070, 0.0000906)  | 0.00231 (0.00061, 0.00552)  | 0.5 (0.1, 1.3)     | 0.0000255 (0.0000057, 0.0000696) | 0.00184 (0.00048, 0.00430) |
| Maluku   | Transport injuries                                       | PNN | 1.6 (0.4, 4.1)     | 0.0000851 (0.0000207, 0.0002118) | 0.00619 (0.00190, 0.01467)  | 0.5 (0.1, 1.4)     | 0.0000279 (0.0000065, 0.0000728) | 0.00202 (0.00059, 0.00493) |
| Maluku   | Other unintentional injuries                             | PNN | 4.0 (1.2, 9.2)     | 0.0002065 (0.0000618, 0.0004739) | 0.015 (0.00516, 0.02975)    | 1.7 (0.5, 4.2)     | 0.0000908 (0.0000276, 0.0002201) | 0.00655 (0.00229, 0.01351) |
| Maluku   | Diarrheal diseases                                       | 1   | 21.3 (7.5, 44.8)   | 0.0002462 (0.0000863, 0.0005187) | 0.15143 (0.08455, 0.23279)  | 19.6 (7.4, 43.0)   | 0.0002393 (0.0000902, 0.0005254) | 0.19731 (0.11566, 0.28506) |
| Maluku   | HIV/AIDS                                                 | 1   | 3.1 (0.4, 10.5)    | 0.0000358 (0.0000052, 0.0001214) | 0.02195 (0.00425, 0.06395)  | 2.2 (0.3, 7.5)     | 0.0000264 (0.0000038, 0.0000921) | 0.02201 (0.00409, 0.06594) |
| Maluku   | Lower respiratory infections                             | 1   | 31.7 (11.0, 68.6)  | 0.0003666 (0.0001276, 0.0007942) | 0.22454 (0.13050, 0.31579)  | 21.7 (8.3, 44.4)   | 0.0002647 (0.0001018, 0.0005430) | 0.21794 (0.12178, 0.31323) |
| Maluku   | Malaria                                                  | 1   | 1.7 (0.1, 9.2)     | 0.00002 (0.0000006, 0.0001066)   | 0.01217 (0.00045, 0.05843)  | 1.2 (0.0, 6.9)     | 0.0000152 (0.0000005, 0.0000841) | 0.01232 (0.00048, 0.05979) |
| Maluku   | Tuberculosis                                             | 1   | 8.4 (2.3, 20.5)    | 0.0000973 (0.0000266, 0.0002371) | 0.06046 (0.02272, 0.12309)  | 6.3 (1.7, 15.8)    | 0.0000773 (0.0000211, 0.0001937) | 0.06445 (0.02358, 0.13446) |
| Maluku   | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 2.3 (0.5, 6.9)     | 0.0000262 (0.0000054, 0.0000804) | 0.01631 (0.00479, 0.04453)  | 1.5 (0.3, 4.4)     | 0.0000189 (0.0000039, 0.0000536) | 0.01555 (0.00440, 0.04268) |
| Maluku   | Preterm birth complications                              | 1   | 0.2 (0.0, 0.7)     | 0.0000022 (0.0000002, 0.0000080) | 0.00136 (0.00018, 0.00460)  | 0.2 (0.0, 0.7)     | 0.0000024 (0.0000003, 0.0000085) | 0.00197 (0.00026, 0.00650) |
| Maluku   | Other neonatal disorders                                 | 1   | 0.9 (0.0, 6.9)     | 0.0000103 (0.0000000, 0.0000794) | 0.00659 (0.00003, 0.05540)  | 0.6 (0.0, 4.7)     | 0.0000073 (0.0000000, 0.0000178) | 0.00617 (0.00003, 0.05076) |
| Maluku   | Other communicable diseases                              | 1   | 40.4 (15.6, 82.1)  | 0.000468 (0.0001809, 0.0009502)  | 0.28848 (0.20205, 0.38259)  | 26.9 (11.2, 52.1)  | 0.0003283 (0.0001365, 0.0006364) | 0.27216 (0.18637, 0.36983) |
| Maluku   | Other malignant neoplasms                                | 1   | 0.7 (0.2, 2.1)     | 0.0000084 (0.0000019, 0.0000239) | 0.00519 (0.00186, 0.01137)  | 0.7 (0.2, 1.8)     | 0.0000086 (0.0000021, 0.0000222) | 0.00708 (0.00255, 0.01493) |
| Maluku   | Cerebrovascular disease                                  | 1   | 0.1 (0.0, 0.3)     | 0.0000012 (0.0000002, 0.0000037) | 0.00073 (0.000019, 0.00193) | 0.1 (0.0, 0.4)     | 0.0000015 (0.0000003, 0.0000046) | 0.00127 (0.00036, 0.00309) |
| Maluku   | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.3)     | 0.0000006 (0.0000000, 0.0000030) | 0.00037 (0.00003, 0.00185)  | 0.1 (0.0, 0.3)     | 0.0000008 (0.0000000, 0.0000042) | 0.00065 (0.00005, 0.00319) |
| Maluku   | Other cardiovascular and circulatory diseases            | 1   | 0.1 (0.0, 0.5)     | 0.0000016 (0.0000003, 0.0000052) | 0.00099 (0.00020, 0.00320)  | 0.2 (0.0, 0.5)     | 0.0000019 (0.0000003, 0.0000062) | 0.00154 (0.00032, 0.00467) |
| Maluku   | Diabetes mellitus                                        | 1   | - (0.0, 0.3)       | 0.0000004 (0.0000000, 0.0000037) | 0.00027 (0.00000, 0.00209)  | 0.1 (0.0, 0.5)     | 0.0000007 (0.0000000, 0.0000059) | 0.00059 (0.00000, 0.00475) |
| Maluku   | Chronic kidney disease                                   | 1   | 0.7 (0.2, 1.9)     | 0.0000082 (0.0000022, 0.0000216) | 0.00505 (0.00210, 0.01078)  | 0.7 (0.2, 1.7)     | 0.0000088 (0.0000026, 0.0000211) | 0.00728 (0.00287, 0.01509) |
| Maluku   | Cirrhosis                                                | 1   | 1.1 (0.2, 3.0)     | 0.0000127 (0.0000027, 0.0000342) | 0.00778 (0.00275, 0.01695)  | 0.5 (0.1, 1.5)     | 0.0000066 (0.0000016, 0.0000179) | 0.00541 (0.00189, 0.01199) |
| Maluku   | Chronic respiratory diseases                             | 1   | 2.4 (0.6, 6.2)     | 0.0000282 (0.0000065, 0.0000718) | 0.01745 (0.00613, 0.03585)  | 1.1 (0.2, 2.8)     | 0.000013 (0.0000029, 0.0000342)  | 0.01082 (0.00330, 0.02450) |
| Maluku   | Other non-communicable diseases                          | 1   | 9.8 (3.7, 20.7)    | 0.0001138 (0.0000425, 0.0002398) | 0.07004 (0.04785, 0.09825)  | 10.7 (4.5, 22.4)   | 0.0001305 (0.0000544, 0.0002733) | 0.10758 (0.07694, 0.14164) |
| Maluku   | Drowning                                                 | 1   | 6.3 (1.5, 16.3)    | 0.0000733 (0.0000169, 0.0001881) | 0.04505 (0.01607, 0.09187)  | 1.6 (0.4, 4.3)     | 0.0000197 (0.0000045, 0.0000522) | 0.01634 (0.00480, 0.03926) |
| Maluku   | Falls                                                    | 1   | 1.5 (0.3, 3.9)     | 0.000017 (0.0000037, 0.0000452)  | 0.01061 (0.00298, 0.02533)  | 0.5 (0.1, 1.4)     | 0.0000062 (0.0000012, 0.0000167) | 0.00528 (0.00137, 0.01335) |
| Maluku   | Interpersonal violence                                   | 1   | 0.6 (0.1, 1.7)     | 0.0000072 (0.0000016, 0.0000202) | 0.00444 (0.00139, 0.00996)  | 0.4 (0.1, 1.1)     | 0.0000049 (0.0000010, 0.0000129) | 0.00407 (0.00109, 0.00939) |
| Maluku   | Transport injuries                                       | 1   | 2.6 (0.6, 6.9)     | 0.0000296 (0.0000067, 0.0000797) | 0.01847 (0.00575, 0.04144)  | 0.7 (0.2, 1.9)     | 0.0000083 (0.0000020, 0.0000233) | 0.00698 (0.00204, 0.01696) |
| Maluku   | Other unintentional injuries                             | 1   | 4.2 (1.2, 10.1)    | 0.0000491 (0.0000135, 0.0001168) | 0.03026 (0.01126, 0.05920)  | 1.5 (0.4, 3.6)     | 0.0000183 (0.0000048, 0.0000446) | 0.01525 (0.00539, 0.03152) |
| Maluku   | Diarrheal diseases                                       | 5   | 14.8 (8.1, 23.3)   | 0.0001384 (0.0000758, 0.0002178) | 0.12255 (0.06839, 0.18778)  | 14.8 (8.5, 22.2)   | 0.000151 (0.0000862, 0.0002262)  | 0.17124 (0.10020, 0.25567) |
| Maluku   | HIV/AIDS                                                 | 5   | 1.5 (0.2, 4.6)     | 0.0000141 (0.0000020, 0.0000429) | 0.01249 (0.00176, 0.03841)  | 1.1 (0.2, 3.6)     | 0.0000116 (0.0000016, 0.0000363) | 0.01311 (0.00183, 0.04012) |
| Maluku   | Lower respiratory infections                             | 5   | 15.2 (7.6, 23.9)   | 0.0001418 (0.0000714, 0.0002234) | 0.12567 (0.06443, 0.19393)  | 11.1 (5.5, 17.9)   | 0.0001133 (0.0000560, 0.0001821) | 0.12863 (0.06320, 0.20724) |
| Maluku   | Malaria                                                  | 5   | 1.2 (0.0, 6.3)     | 0.0000111 (0.0000004, 0.0000589) | 0.00981 (0.00039, 0.05100)  | 0.9 (0.0, 4.3)     | 0.0000093 (0.0000004, 0.0000433) | 0.01057 (0.00041, 0.05004) |
| Maluku   | Tuberculosis                                             | 5   | 5.7 (2.1, 11.8)    | 0.0000536 (0.0000198, 0.0001105) | 0.04742 (0.01713, 0.09697)  | 4.6 (1.7, 9.5)     | 0.000047 (0.0000176, 0.0000971)  | 0.05332 (0.01986, 0.10802) |
| Maluku   | Other communicable diseases                              | 5   | 27.9 (18.8, 38.2)  | 0.0000261 (0.0001753, 0.0003572) | 0.23132 (0.15891, 0.31382)  | 20.2 (13.7, 28.3)  | 0.0002057 (0.0001396, 0.0002876) | 0.23348 (0.15696, 0.32267) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Other malignant neoplasms                     | 5   | 3.9 (1.7, 7.0)    | 0.000036 (0.0000154, 0.0000654)  | 0.03188 (0.01366, 0.05826) | 4.1 (1.8, 7.2)   | 0.0000414 (0.0000182, 0.0000737) | 0.04693 (0.02114, 0.08493) |
| Maluku   | Cerebrovascular disease                       | 5   | 0.4 (0.2, 0.8)    | 0.0000036 (0.0000014, 0.0000076) | 0.00319 (0.00128, 0.00684) | 0.5 (0.2, 1.0)   | 0.0000052 (0.0000023, 0.0000102) | 0.00592 (0.00259, 0.01160) |
| Maluku   | Ischemic heart disease                        | 5   | 0.2 (0.1, 0.6)    | 0.0000021 (0.0000007, 0.0000053) | 0.00187 (0.00060, 0.00458) | 0.3 (0.1, 0.7)   | 0.0000031 (0.0000010, 0.0000070) | 0.00348 (0.00110, 0.00798) |
| Maluku   | Other cardiovascular and circulatory diseases | 5   | 0.6 (0.1, 1.5)    | 0.0000056 (0.0000014, 0.0000142) | 0.00493 (0.00121, 0.01238) | 0.7 (0.2, 1.7)   | 0.0000072 (0.0000019, 0.0000177) | 0.00814 (0.00229, 0.01984) |
| Maluku   | Diabetes mellitus                             | 5   | 0.4 (0.1, 0.9)    | 0.0000036 (0.0000011, 0.0000083) | 0.00315 (0.00100, 0.00733) | 0.7 (0.2, 1.5)   | 0.0000067 (0.0000021, 0.0000155) | 0.00761 (0.00241, 0.01783) |
| Maluku   | Chronic kidney disease                        | 5   | 1.3 (0.6, 2.5)    | 0.0000122 (0.0000052, 0.0000237) | 0.01081 (0.00471, 0.02099) | 1.5 (0.7, 2.8)   | 0.0000149 (0.0000066, 0.0000285) | 0.01691 (0.00757, 0.03185) |
| Maluku   | Cirrhosis                                     | 5   | 2.6 (1.1, 4.7)    | 0.0000242 (0.0000101, 0.0000444) | 0.0214 (0.00909, 0.03849)  | 1.4 (0.6, 2.6)   | 0.0000144 (0.0000059, 0.0000269) | 0.01633 (0.00666, 0.03021) |
| Maluku   | Chronic respiratory diseases                  | 5   | 1.8 (0.6, 3.9)    | 0.0000167 (0.0000060, 0.0000366) | 0.01478 (0.00540, 0.03189) | 0.8 (0.3, 1.8)   | 0.0000084 (0.0000029, 0.0000188) | 0.00959 (0.00323, 0.02230) |
| Maluku   | Other non-communicable diseases               | 5   | 8.0 (4.7, 12.0)   | 0.0000749 (0.0000444, 0.0001123) | 0.06632 (0.04050, 0.10002) | 9.6 (5.9, 13.8)  | 0.0000974 (0.0000600, 0.0001408) | 0.11043 (0.07016, 0.15831) |
| Maluku   | Drowning                                      | 5   | 19.8 (9.8, 31.3)  | 0.0001854 (0.0000913, 0.0002921) | 0.16427 (0.08300, 0.25678) | 7.5 (3.1, 13.6)  | 0.0000765 (0.0000311, 0.0001386) | 0.0869 (0.03592, 0.15755)  |
| Maluku   | Falls                                         | 5   | 2.6 (0.8, 5.6)    | 0.0000239 (0.0000072, 0.0000519) | 0.02119 (0.00632, 0.04517) | 1.2 (0.3, 3.0)   | 0.0000123 (0.0000032, 0.0000302) | 0.014 (0.00364, 0.03412)   |
| Maluku   | Interpersonal violence                        | 5   | 0.5 (0.2, 1.1)    | 0.0000044 (0.0000015, 0.0000099) | 0.00394 (0.00132, 0.00874) | 0.4 (0.1, 0.9)   | 0.0000042 (0.0000013, 0.0000092) | 0.00477 (0.00152, 0.01031) |
| Maluku   | Transport injuries                            | 5   | 8.6 (3.4, 16.8)   | 0.0000806 (0.0000314, 0.0001570) | 0.07132 (0.02925, 0.13616) | 3.2 (1.1, 7.0)   | 0.0000329 (0.0000112, 0.0000714) | 0.03731 (0.01270, 0.07906) |
| Maluku   | Other unintentional injuries                  | 5   | 3.8 (1.5, 7.4)    | 0.0000358 (0.0000140, 0.0000687) | 0.03168 (0.01262, 0.06148) | 1.8 (0.6, 3.8)   | 0.0000188 (0.0000065, 0.0000388) | 0.02135 (0.00738, 0.04428) |
| Maluku   | Diarrheal diseases                            | 10  | 6.9 (3.2, 12.1)   | 0.0000707 (0.0000332, 0.0001242) | 0.06669 (0.03123, 0.11390) | 7.6 (3.7, 12.9)  | 0.0000835 (0.0000404, 0.0001407) | 0.09581 (0.04671, 0.15789) |
| Maluku   | HIV/AIDS                                      | 10  | 1.3 (0.2, 4.0)    | 0.0000132 (0.0000023, 0.0000407) | 0.01244 (0.00224, 0.03889) | 1.0 (0.2, 3.4)   | 0.0000113 (0.0000019, 0.0000376) | 0.01298 (0.00223, 0.04315) |
| Maluku   | Lower respiratory infections                  | 10  | 8.5 (3.4, 15.6)   | 0.0000871 (0.0000348, 0.0001602) | 0.08218 (0.03263, 0.15153) | 6.6 (2.4, 12.1)  | 0.0000718 (0.0000267, 0.0001326) | 0.0824 (0.03115, 0.15272)  |
| Maluku   | Malaria                                       | 10  | 2.0 (0.1, 8.5)    | 0.0000205 (0.0000010, 0.0000874) | 0.01933 (0.00094, 0.08420) | 1.7 (0.1, 7.1)   | 0.000018 (0.0000009, 0.0000771)  | 0.02075 (0.00104, 0.08744) |
| Maluku   | Tuberculosis                                  | 10  | 10.3 (4.8, 18.2)  | 0.0001054 (0.0000494, 0.0001865) | 0.09942 (0.04678, 0.17450) | 8.6 (4.1, 15.1)  | 0.0000942 (0.0000452, 0.0001648) | 0.10801 (0.05294, 0.18629) |
| Maluku   | Maternal disorders                            | 10  |                   |                                  |                            | 0.2 (0.0, 0.6)   | 0.0000024 (0.0000004, 0.0000065) | 0.00272 (0.00044, 0.00752) |
| Maluku   | Other communicable diseases                   | 10  | 19.3 (12.1, 28.2) | 0.0001978 (0.0001240, 0.0002894) | 0.18678 (0.11779, 0.27341) | 15.1 (9.2, 22.3) | 0.0001652 (0.0001003, 0.0002436) | 0.18965 (0.11713, 0.27822) |
| Maluku   | Other malignant neoplasms                     | 10  | 5.0 (2.3, 8.7)    | 0.0000513 (0.0000237, 0.0000891) | 0.04839 (0.02262, 0.08513) | 5.8 (2.8, 9.7)   | 0.000063 (0.0000304, 0.0001063)  | 0.07225 (0.03592, 0.12306) |
| Maluku   | Cerebrovascular disease                       | 10  | 0.6 (0.3, 1.1)    | 0.0000059 (0.0000028, 0.0000112) | 0.00561 (0.00265, 0.01069) | 0.8 (0.4, 1.4)   | 0.0000089 (0.0000041, 0.0000157) | 0.01019 (0.00489, 0.01792) |
| Maluku   | Ischemic heart disease                        | 10  | 0.5 (0.2, 1.1)    | 0.0000052 (0.0000021, 0.0000110) | 0.00491 (0.00205, 0.01010) | 0.7 (0.3, 1.4)   | 0.0000076 (0.0000034, 0.0000149) | 0.00871 (0.00380, 0.01678) |
| Maluku   | Other cardiovascular and circulatory diseases | 10  | 0.8 (0.2, 1.9)    | 0.0000083 (0.0000025, 0.0000197) | 0.00788 (0.00233, 0.01856) | 1.0 (0.3, 2.3)   | 0.0000112 (0.0000035, 0.0000250) | 0.01283 (0.00409, 0.02920) |
| Maluku   | Diabetes mellitus                             | 10  | 0.5 (0.2, 1.0)    | 0.000005 (0.0000021, 0.0000101)  | 0.00471 (0.00197, 0.00924) | 0.9 (0.4, 1.8)   | 0.0000099 (0.0000043, 0.0000193) | 0.01131 (0.00480, 0.02190) |
| Maluku   | Chronic kidney disease                        | 10  | 1.6 (0.8, 2.8)    | 0.0000169 (0.0000083, 0.0000290) | 0.01596 (0.00783, 0.02768) | 2.0 (1.0, 3.3)   | 0.0000215 (0.0000105, 0.0000362) | 0.02466 (0.01210, 0.04128) |
| Maluku   | Cirrhosis                                     | 10  | 2.7 (1.3, 4.6)    | 0.0000275 (0.0000133, 0.0000469) | 0.02596 (0.01286, 0.04414) | 1.6 (0.7, 2.7)   | 0.0000173 (0.0000079, 0.0000297) | 0.01983 (0.00908, 0.03352) |
| Maluku   | Chronic respiratory diseases                  | 10  | 2.7 (1.1, 5.2)    | 0.0000278 (0.0000117, 0.0000534) | 0.02622 (0.01102, 0.05017) | 1.4 (0.5, 2.8)   | 0.000015 (0.0000058, 0.0000303)  | 0.01721 (0.00692, 0.03537) |
| Maluku   | Other non-communicable diseases               | 10  | 8.6 (5.5, 12.4)   | 0.0000881 (0.0000569, 0.0001269) | 0.08311 (0.05347, 0.11854) | 10.8 (7.1, 15.1) | 0.0001176 (0.0000772, 0.0001652) | 0.13495 (0.08914, 0.18666) |
| Maluku   | Drowning                                      | 10  | 10.9 (4.4, 19.9)  | 0.0001117 (0.0000447, 0.0002046) | 0.10547 (0.04133, 0.19190) | 4.1 (1.3, 8.9)   | 0.0000453 (0.0000141, 0.0000971) | 0.05206 (0.01688, 0.11023) |
| Maluku   | Falls                                         | 10  | 2.3 (0.7, 5.0)    | 0.0000232 (0.0000069, 0.0000516) | 0.02186 (0.00651, 0.04870) | 1.1 (0.3, 2.6)   | 0.000012 (0.0000034, 0.0000286)  | 0.01382 (0.00380, 0.03295) |
| Maluku   | Interpersonal violence                        | 10  | 0.7 (0.3, 1.5)    | 0.0000075 (0.0000032, 0.0000149) | 0.00709 (0.00298, 0.01378) | 0.6 (0.2, 1.3)   | 0.0000069 (0.0000025, 0.0000141) | 0.00796 (0.00294, 0.01602) |
| Maluku   | Self-harm                                     | 10  | 1.6 (0.5, 3.4)    | 0.0000162 (0.0000056, 0.0000353) | 0.01531 (0.00528, 0.03443) | 1.2 (0.4, 2.8)   | 0.0000129 (0.0000041, 0.0000301) | 0.01483 (0.00472, 0.03425) |
| Maluku   | Transport injuries                            | 10  | 12.8 (6.4, 21.3)  | 0.0001317 (0.0000655, 0.0002182) | 0.12431 (0.06192, 0.20293) | 5.1 (2.1, 9.7)   | 0.0000558 (0.0000233, 0.0001064) | 0.06408 (0.02650, 0.11884) |
| Maluku   | Other unintentional injuries                  | 10  | 3.8 (1.7, 6.7)    | 0.0000385 (0.0000175, 0.0000684) | 0.03636 (0.01637, 0.06450) | 1.8 (0.7, 3.6)   | 0.00002 (0.0000081, 0.0000395)   | 0.02298 (0.00921, 0.04515) |
| Maluku   | Diarrheal diseases                            | 15  | 3.6 (1.2, 7.6)    | 0.0000447 (0.0000149, 0.0000941) | 0.02711 (0.00915, 0.05444) | 4.2 (1.4, 8.4)   | 0.0000555 (0.0000184, 0.0001113) | 0.03934 (0.01346, 0.07760) |
| Maluku   | HIV/AIDS                                      | 15  | 1.2 (0.2, 4.5)    | 0.0000154 (0.0000021, 0.0000553) | 0.00936 (0.00128, 0.03292) | 1.1 (0.1, 4.0)   | 0.0000144 (0.0000019, 0.0000532) | 0.01018 (0.00137, 0.03690) |
| Maluku   | Lower respiratory infections                  | 15  | 4.2 (1.3, 9.4)    | 0.000052 (0.0000158, 0.0001173)  | 0.03158 (0.00976, 0.07416) | 3.1 (0.9, 7.3)   | 0.0000411 (0.0000120, 0.0000971) | 0.02908 (0.00860, 0.06847) |
| Maluku   | Malaria                                       | 15  | 4.2 (0.3, 13.7)   | 0.0000524 (0.0000036, 0.0001703) | 0.03166 (0.00219, 0.09856) | 3.8 (0.3, 11.6)  | 0.0000506 (0.0000037, 0.0001544) | 0.03588 (0.00266, 0.10815) |
| Maluku   | Tuberculosis                                  | 15  | 19.0 (10.9, 30.0) | 0.000236 (0.0001354, 0.0003724)  | 0.14285 (0.08438, 0.21602) | 15.9 (9.1, 24.4) | 0.0002109 (0.0001209, 0.0003245) | 0.14931 (0.09005, 0.22715) |
| Maluku   | Maternal disorders                            | 15  |                   |                                  |                            | 1.3 (0.5, 2.7)   | 0.0000167 (0.0000060, 0.0000357) | 0.01179 (0.00432, 0.02576) |
| Maluku   | Other communicable diseases                   | 15  | 12.0 (5.1, 21.8)  | 0.0001496 (0.0000630, 0.0002708) | 0.09062 (0.03933, 0.16298) | 9.5 (3.8, 17.5)  | 0.0001259 (0.0000510, 0.0002334) | 0.08924 (0.03618, 0.16386) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 15  | 0.3 (0.0, 0.8)    | 0.0000032 (0.0000006, 0.0000105) | 0.00191 (0.00033, 0.00613) | 0.1 (0.0, 0.5)   | 0.0000017 (0.0000002, 0.0000061) | 0.00122 (0.00018, 0.00420) |
| Maluku   | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000004 (0.0000000, 0.0000015) | 0.00024 (0.00002, 0.00093) | 1.3 (0.2, 3.5)   | 0.0000174 (0.0000032, 0.0000462) | 0.01236 (0.00228, 0.03314) |
| Maluku   | Cervical cancer                               | 15  |                   |                                  |                            | 0.8 (0.1, 3.0)   | 0.0000104 (0.0000012, 0.0000399) | 0.00735 (0.00086, 0.02833) |
| Maluku   | Other malignant neoplasms                     | 15  | 6.2 (2.9, 11.5)   | 0.0000773 (0.0000355, 0.0001425) | 0.04681 (0.02179, 0.08245) | 8.7 (4.0, 14.5)  | 0.0001154 (0.0000528, 0.0001932) | 0.08179 (0.03793, 0.13769) |
| Maluku   | Cerebrovascular disease                       | 15  | 1.2 (0.5, 2.1)    | 0.0000147 (0.0000068, 0.0000266) | 0.00892 (0.00430, 0.01671) | 1.5 (0.7, 2.8)   | 0.0000204 (0.0000097, 0.0000366) | 0.01449 (0.00716, 0.02604) |
| Maluku   | Ischemic heart disease                        | 15  | 1.9 (0.9, 3.5)    | 0.0000235 (0.0000110, 0.0000429) | 0.01427 (0.00669, 0.02571) | 2.1 (0.9, 3.7)   | 0.0000273 (0.0000125, 0.0000497) | 0.01937 (0.00938, 0.03616) |
| Maluku   | Other cardiovascular and circulatory diseases | 15  | 1.4 (0.5, 3.3)    | 0.0000179 (0.0000061, 0.0000407) | 0.01084 (0.00368, 0.02507) | 1.9 (0.6, 4.4)   | 0.0000255 (0.0000084, 0.0000588) | 0.01809 (0.00600, 0.04239) |
| Maluku   | Diabetes mellitus                             | 15  | 0.8 (0.3, 1.7)    | 0.0000105 (0.0000043, 0.0000216) | 0.00634 (0.00275, 0.01264) | 1.7 (0.7, 3.5)   | 0.0000226 (0.0000090, 0.0000460) | 0.01599 (0.00664, 0.03173) |
| Maluku   | Chronic kidney disease                        | 15  | 2.7 (1.3, 4.7)    | 0.0000335 (0.0000164, 0.0000586) | 0.02026 (0.01065, 0.03368) | 3.6 (1.7, 6.4)   | 0.0000473 (0.0000222, 0.0000847) | 0.03348 (0.01603, 0.05861) |
| Maluku   | Cirrhosis                                     | 15  | 3.3 (1.5, 6.0)    | 0.0000412 (0.0000192, 0.0000741) | 0.02496 (0.01206, 0.04246) | 2.1 (0.9, 3.7)   | 0.0000275 (0.0000122, 0.0000498) | 0.01945 (0.00880, 0.03510) |
| Maluku   | Chronic respiratory diseases                  | 15  | 2.5 (1.0, 4.9)    | 0.0000316 (0.0000124, 0.0000609) | 0.0191 (0.00754, 0.03723)  | 1.7 (0.6, 3.5)   | 0.0000226 (0.0000077, 0.0000463) | 0.01598 (0.00576, 0.03326) |
| Maluku   | Other non-communicable diseases               | 15  | 11.5 (7.2, 17.7)  | 0.0001425 (0.0000899, 0.0002197) | 0.08636 (0.05631, 0.12287) | 14.1 (8.7, 19.8) | 0.0001875 (0.0001163, 0.0002639) | 0.13279 (0.08506, 0.18500) |
| Maluku   | Drowning                                      | 15  | 5.5 (1.7, 12.2)   | 0.0000687 (0.0000209, 0.0001573) | 0.04162 (0.01327, 0.09610) | 1.9 (0.5, 5.1)   | 0.0000254 (0.0000063, 0.0000682) | 0.01803 (0.00445, 0.04764) |
| Maluku   | Falls                                         | 15  | 2.0 (0.7, 4.5)    | 0.0000245 (0.0000087, 0.0000557) | 0.01487 (0.00541, 0.03288) | 1.0 (0.3, 2.5)   | 0.0000128 (0.0000038, 0.0000328) | 0.00907 (0.00273, 0.02285) |
| Maluku   | Interpersonal violence                        | 15  | 2.0 (0.9, 3.8)    | 0.0000252 (0.0000112, 0.0000475) | 0.01523 (0.00719, 0.02797) | 2.0 (0.7, 4.2)   | 0.0000264 (0.0000089, 0.0000564) | 0.01866 (0.00647, 0.03866) |
| Maluku   | Self-harm                                     | 15  | 3.8 (1.6, 7.6)    | 0.0000478 (0.0000196, 0.0000940) | 0.02892 (0.01223, 0.05645) | 3.3 (1.1, 7.3)   | 0.000044 (0.0000150, 0.0000967)  | 0.03115 (0.01061, 0.06866) |
| Maluku   | Transport injuries                            | 15  | 37.4 (23.7, 54.7) | 0.0004653 (0.0002941, 0.0006794) | 0.2817 (0.19146, 0.37644)  | 16.7 (8.9, 26.9) | 0.0002221 (0.0001185, 0.0003574) | 0.15716 (0.08796, 0.24373) |
| Maluku   | Other unintentional injuries                  | 15  | 5.9 (2.9, 10.3)   | 0.0000733 (0.0000362, 0.0001282) | 0.04448 (0.02225, 0.07514) | 3.0 (1.2, 6.1)   | 0.0000405 (0.0000164, 0.0000812) | 0.02872 (0.01169, 0.05557) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Diarrheal diseases                            | 20  | 3.7 (1.2, 8.1)    | 0.000503 (0.0000164, 0.0001105)  | 0.02235 (0.00764, 0.04645) | 4.0 (1.4, 8.2)    | 0.000579 (0.0000198, 0.0001182)  | 0.03052 (0.01045, 0.06106) |
| Maluku   | HIV/AIDS                                      | 20  | 3.9 (0.7, 11.4)   | 0.0000537 (0.0000102, 0.0001559) | 0.02394 (0.00463, 0.06913) | 3.2 (0.6, 9.4)    | 0.0000453 (0.0000081, 0.0001357) | 0.02392 (0.00446, 0.07201) |
| Maluku   | Lower respiratory infections                  | 20  | 4.1 (1.3, 9.8)    | 0.0000558 (0.0000171, 0.0001343) | 0.02486 (0.00742, 0.05821) | 2.7 (0.8, 6.8)    | 0.0000381 (0.0000108, 0.0000977) | 0.0201 (0.00584, 0.05023)  |
| Maluku   | Malaria                                       | 20  | 5.3 (0.4, 16.7)   | 0.0000727 (0.0000051, 0.0002286) | 0.03224 (0.00242, 0.09891) | 4.2 (0.3, 12.8)   | 0.0000608 (0.0000039, 0.0001843) | 0.03215 (0.00231, 0.09604) |
| Maluku   | Tuberculosis                                  | 20  | 35.7 (21.7, 52.3) | 0.0004886 (0.0002967, 0.0007155) | 0.21722 (0.14194, 0.29868) | 24.0 (14.1, 34.9) | 0.0003446 (0.0002029, 0.0005022) | 0.18176 (0.11348, 0.25420) |
| Maluku   | Maternal disorders                            | 20  |                   |                                  |                            | 6.2 (2.8, 11.6)   | 0.0000891 (0.0000409, 0.0001675) | 0.04695 (0.02211, 0.08735) |
| Maluku   | Other communicable diseases                   | 20  | 15.7 (6.6, 28.0)  | 0.000215 (0.0000897, 0.0003828)  | 0.09567 (0.04230, 0.16391) | 11.9 (5.1, 21.4)  | 0.0001716 (0.0000738, 0.0003083) | 0.09052 (0.03940, 0.15552) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 20  | 0.2 (0.0, 0.7)    | 0.0000028 (0.0000004, 0.0000097) | 0.00122 (0.00020, 0.00409) | 0.2 (0.0, 0.7)    | 0.0000031 (0.0000005, 0.0000104) | 0.00162 (0.00028, 0.00541) |
| Maluku   | Breast cancer                                 | 20  | - (0.0, 0.2)      | 0.0000006 (0.0000001, 0.0000024) | 0.00029 (0.00004, 0.00094) | 3.8 (1.1, 8.2)    | 0.0000541 (0.0000156, 0.0001172) | 0.02851 (0.00883, 0.06049) |
| Maluku   | Cervical cancer                               | 20  |                   |                                  |                            | 2.0 (0.3, 6.1)    | 0.0000288 (0.0000049, 0.0000876) | 0.01521 (0.00264, 0.04651) |
| Maluku   | Other malignant neoplasms                     | 20  | 6.3 (3.0, 11.9)   | 0.0000861 (0.0000415, 0.0001633) | 0.03831 (0.01913, 0.06870) | 9.8 (4.3, 16.6)   | 0.0001411 (0.0000614, 0.0002388) | 0.07446 (0.03514, 0.12580) |
| Maluku   | Cerebrovascular disease                       | 20  | 2.5 (1.3, 4.3)    | 0.0000347 (0.0000180, 0.0000590) | 0.01546 (0.00842, 0.02544) | 2.8 (1.4, 4.7)    | 0.0000401 (0.0000208, 0.0000670) | 0.02115 (0.01156, 0.03453) |
| Maluku   | Ischemic heart disease                        | 20  | 3.9 (1.9, 6.8)    | 0.0000529 (0.0000263, 0.0000932) | 0.02356 (0.01206, 0.03909) | 2.7 (1.3, 4.8)    | 0.0000393 (0.0000192, 0.0000692) | 0.02078 (0.01049, 0.03512) |
| Maluku   | Other cardiovascular and circulatory diseases | 20  | 2.4 (0.9, 5.3)    | 0.0000335 (0.0000123, 0.0000730) | 0.01493 (0.00580, 0.03233) | 3.1 (1.2, 6.3)    | 0.000044 (0.0000175, 0.0000903)  | 0.02322 (0.00951, 0.04888) |
| Maluku   | Diabetes mellitus                             | 20  | 0.9 (0.4, 1.6)    | 0.0000118 (0.0000053, 0.0000219) | 0.00527 (0.00244, 0.00954) | 1.7 (0.7, 3.2)    | 0.0000224 (0.0000107, 0.0000460) | 0.01267 (0.00587, 0.02341) |
| Maluku   | Chronic kidney disease                        | 20  | 4.4 (2.3, 7.6)    | 0.0000607 (0.0000320, 0.0001038) | 0.02702 (0.01525, 0.04387) | 5.5 (2.8, 9.4)    | 0.0000789 (0.0000396, 0.0001353) | 0.04158 (0.02156, 0.07005) |
| Maluku   | Cirrhosis                                     | 20  | 5.7 (2.8, 9.8)    | 0.0000777 (0.0000377, 0.0001335) | 0.03455 (0.01808, 0.05693) | 3.5 (1.6, 6.2)    | 0.0000508 (0.0000234, 0.0000887) | 0.02682 (0.01305, 0.04634) |
| Maluku   | Chronic respiratory diseases                  | 20  | 5.4 (2.3, 10.1)   | 0.0000732 (0.0000319, 0.0001384) | 0.03255 (0.01499, 0.05755) | 4.5 (1.8, 8.5)    | 0.0000644 (0.0000256, 0.0001219) | 0.03399 (0.01436, 0.06333) |
| Maluku   | Other non-communicable diseases               | 20  | 12.4 (7.7, 19.4)  | 0.0001701 (0.0001059, 0.0002657) | 0.0757 (0.04968, 0.10616)  | 13.7 (8.5, 19.8)  | 0.0001975 (0.0001221, 0.0002853) | 0.10425 (0.06744, 0.14700) |
| Maluku   | Drowning                                      | 20  | 4.4 (1.2, 11.2)   | 0.0000601 (0.0000162, 0.0001536) | 0.02675 (0.00735, 0.06598) | 1.5 (0.3, 4.2)    | 0.0000211 (0.0000048, 0.0000597) | 0.01114 (0.00249, 0.03164) |
| Maluku   | Falls                                         | 20  | 2.1 (0.7, 4.9)    | 0.0000285 (0.0000095, 0.0000668) | 0.01269 (0.00435, 0.02896) | 0.9 (0.3, 2.3)    | 0.0000136 (0.0000042, 0.0000335) | 0.00718 (0.00221, 0.01792) |
| Maluku   | Interpersonal violence                        | 20  | 2.5 (1.1, 5.0)    | 0.0000343 (0.0000146, 0.0000685) | 0.01522 (0.00677, 0.02883) | 2.0 (0.7, 4.3)    | 0.0000286 (0.0000104, 0.0000623) | 0.01506 (0.00555, 0.03154) |
| Maluku   | Self-harm                                     | 20  | 4.1 (1.6, 8.1)    | 0.0000556 (0.0000222, 0.0001102) | 0.02472 (0.01018, 0.04841) | 2.8 (0.9, 6.2)    | 0.0000401 (0.0000133, 0.0000889) | 0.02113 (0.00708, 0.04516) |
| Maluku   | Transport injuries                            | 20  | 31.8 (19.1, 49.7) | 0.0004352 (0.0002615, 0.0006800) | 0.19341 (0.12201, 0.27317) | 12.1 (6.1, 20.9)  | 0.0001743 (0.0000879, 0.0003010) | 0.09187 (0.04819, 0.15173) |
| Maluku   | Other unintentional injuries                  | 20  | 6.9 (3.2, 12.3)   | 0.0000943 (0.0000437, 0.0001685) | 0.04207 (0.02010, 0.07222) | 3.1 (1.2, 6.1)    | 0.0000444 (0.0000180, 0.0000874) | 0.02345 (0.00940, 0.04566) |
| Maluku   | Diarrheal diseases                            | 25  | 5.0 (1.8, 10.3)   | 0.0000736 (0.0000255, 0.0001504) | 0.02713 (0.00931, 0.05225) | 5.9 (2.1, 11.6)   | 0.0000833 (0.0000295, 0.0001637) | 0.03399 (0.01202, 0.06400) |
| Maluku   | HIV/AIDS                                      | 25  | 6.8 (1.5, 19.3)   | 0.0000994 (0.0000216, 0.0002808) | 0.03669 (0.00804, 0.09841) | 6.0 (1.2, 16.1)   | 0.000084 (0.0000172, 0.0002269)  | 0.03423 (0.00711, 0.09138) |
| Maluku   | Lower respiratory infections                  | 25  | 4.1 (1.3, 9.5)    | 0.0000601 (0.0000188, 0.0001387) | 0.02221 (0.00675, 0.05240) | 2.8 (0.8, 7.2)    | 0.0000399 (0.0000115, 0.0001012) | 0.01627 (0.00474, 0.04005) |
| Maluku   | Malaria                                       | 25  | 5.6 (0.4, 18.1)   | 0.0000817 (0.0000056, 0.0002643) | 0.03005 (0.00212, 0.09259) | 4.7 (0.3, 14.7)   | 0.0000667 (0.0000042, 0.0002075) | 0.02734 (0.00184, 0.08560) |
| Maluku   | Tuberculosis                                  | 25  | 46.7 (28.2, 68.0) | 0.0006803 (0.0004104, 0.0009915) | 0.25068 (0.16592, 0.33309) | 32.7 (19.1, 48.4) | 0.0004604 (0.0002686, 0.0006813) | 0.18779 (0.11360, 0.26227) |
| Maluku   | Maternal disorders                            | 25  |                   |                                  |                            | 10.4 (4.8, 18.9)  | 0.0001458 (0.0000680, 0.0002656) | 0.05947 (0.02941, 0.10282) |
| Maluku   | Other communicable diseases                   | 25  | 16.3 (6.9, 29.2)  | 0.0002378 (0.0000998, 0.0004261) | 0.08772 (0.03937, 0.14992) | 13.3 (5.5, 23.9)  | 0.0001871 (0.0000772, 0.0003356) | 0.0764 (0.03288, 0.13291)  |
| Maluku   | Tracheal, bronchus, and lung cancer           | 25  | 0.3 (0.0, 1.0)    | 0.0000039 (0.0000006, 0.0000142) | 0.00144 (0.00025, 0.00477) | 0.3 (0.1, 1.1)    | 0.0000046 (0.0000008, 0.0000150) | 0.00187 (0.00036, 0.00580) |
| Maluku   | Breast cancer                                 | 25  | - (0.0, 0.2)      | 0.0000007 (0.0000001, 0.0000024) | 0.00026 (0.00004, 0.00086) | 8.5 (3.1, 16.9)   | 0.0001197 (0.0000430, 0.0002382) | 0.0488 (0.01811, 0.09474)  |
| Maluku   | Cervical cancer                               | 25  |                   |                                  |                            | 4.1 (0.8, 11.6)   | 0.0000571 (0.0000113, 0.0001628) | 0.02336 (0.00474, 0.06648) |
| Maluku   | Other malignant neoplasms                     | 25  | 8.0 (3.8, 14.9)   | 0.0001173 (0.0000553, 0.0002174) | 0.04326 (0.02166, 0.07817) | 12.1 (5.1, 21.0)  | 0.0001708 (0.0000715, 0.0002952) | 0.06974 (0.02988, 0.11946) |
| Maluku   | Cerebrovascular disease                       | 25  | 4.9 (2.8, 8.0)    | 0.0000772 (0.0000402, 0.0001167) | 0.02657 (0.01548, 0.04219) | 5.6 (3.0, 9.2)    | 0.0000793 (0.0000426, 0.0001297) | 0.03237 (0.01895, 0.05085) |
| Maluku   | Ischemic heart disease                        | 25  | 8.2 (4.6, 13.7)   | 0.00012 (0.0000673, 0.0001993)   | 0.04428 (0.02544, 0.06867) | 5.5 (2.9, 9.3)    | 0.0000779 (0.0000407, 0.0001312) | 0.03181 (0.01732, 0.05219) |
| Maluku   | Other cardiovascular and circulatory diseases | 25  | 3.4 (1.4, 7.4)    | 0.0000503 (0.0000203, 0.0001083) | 0.01857 (0.00756, 0.03865) | 4.7 (1.9, 9.3)    | 0.0000664 (0.0000267, 0.0001313) | 0.02711 (0.01115, 0.05474) |
| Maluku   | Diabetes mellitus                             | 25  | 1.5 (0.7, 2.6)    | 0.0000218 (0.0000108, 0.0000385) | 0.00805 (0.00420, 0.01352) | 3.1 (1.5, 5.5)    | 0.0000433 (0.0000206, 0.0000779) | 0.01763 (0.00917, 0.03092) |
| Maluku   | Chronic kidney disease                        | 25  | 5.2 (2.8, 8.6)    | 0.0000754 (0.0000401, 0.0001254) | 0.02779 (0.01607, 0.04399) | 6.8 (3.5, 11.6)   | 0.0000957 (0.0000493, 0.0001638) | 0.039 (0.02108, 0.06294)   |
| Maluku   | Cirrhosis                                     | 25  | 8.1 (4.2, 13.7)   | 0.0001174 (0.0000611, 0.0001991) | 0.04329 (0.02315, 0.06882) | 5.4 (2.6, 9.3)    | 0.0000758 (0.0000372, 0.0001312) | 0.03096 (0.01587, 0.05199) |
| Maluku   | Chronic respiratory diseases                  | 25  | 6.3 (3.0, 11.7)   | 0.000092 (0.0000432, 0.0001702)  | 0.0339 (0.01602, 0.05915)  | 6.3 (2.6, 11.6)   | 0.0000882 (0.0000365, 0.0001630) | 0.03598 (0.01611, 0.06556) |
| Maluku   | Other non-communicable diseases               | 25  | 15.6 (10.0, 23.5) | 0.0002269 (0.0001458, 0.0003419) | 0.08372 (0.05605, 0.11538) | 18.4 (11.5, 26.8) | 0.0002589 (0.0001617, 0.0003775) | 0.10563 (0.07008, 0.14460) |
| Maluku   | Drowning                                      | 25  | 2.8 (0.7, 7.0)    | 0.0000405 (0.0000102, 0.0001020) | 0.01498 (0.00380, 0.03760) | 0.9 (0.2, 2.6)    | 0.0000131 (0.0000031, 0.0000372) | 0.00536 (0.00125, 0.01452) |
| Maluku   | Falls                                         | 25  | 2.8 (0.9, 6.2)    | 0.0000413 (0.0000136, 0.0000907) | 0.01525 (0.00514, 0.03374) | 1.3 (0.4, 3.0)    | 0.0000182 (0.0000055, 0.0000421) | 0.00745 (0.00232, 0.01737) |
| Maluku   | Interpersonal violence                        | 25  | 2.4 (1.0, 4.9)    | 0.0000354 (0.0000143, 0.0000715) | 0.01302 (0.00530, 0.02474) | 1.9 (0.7, 4.3)    | 0.0000269 (0.0000095, 0.0000600) | 0.01094 (0.00391, 0.02248) |
| Maluku   | Self-harm                                     | 25  | 3.7 (1.3, 7.5)    | 0.0000532 (0.0000195, 0.0001093) | 0.0196 (0.00756, 0.03974)  | 2.5 (0.8, 5.6)    | 0.0000347 (0.0000116, 0.0000783) | 0.01413 (0.00481, 0.03125) |
| Maluku   | Transport injuries                            | 25  | 20.3 (10.3, 34.7) | 0.0002961 (0.0001498, 0.0005053) | 0.10911 (0.05765, 0.17387) | 7.3 (3.1, 14.1)   | 0.0001034 (0.0000441, 0.0001991) | 0.04213 (0.01935, 0.07841) |
| Maluku   | Other unintentional injuries                  | 25  | 7.9 (3.5, 14.0)   | 0.0001149 (0.0000512, 0.0002044) | 0.04244 (0.01899, 0.07331) | 3.5 (1.3, 6.9)    | 0.0000495 (0.0000189, 0.0000975) | 0.02024 (0.00803, 0.04034) |
| Maluku   | Diarrheal diseases                            | 30  | 5.0 (1.6, 10.2)   | 0.0000824 (0.0000274, 0.0001696) | 0.02675 (0.00899, 0.05278) | 6.7 (2.3, 12.7)   | 0.0001058 (0.0000368, 0.0002000) | 0.0342 (0.01265, 0.06495)  |
| Maluku   | HIV/AIDS                                      | 30  | 6.5 (1.4, 17.5)   | 0.0001085 (0.0000231, 0.0002916) | 0.03528 (0.00783, 0.09141) | 6.6 (1.4, 17.7)   | 0.0001036 (0.0000221, 0.0002787) | 0.03345 (0.00719, 0.09118) |
| Maluku   | Lower respiratory infections                  | 30  | 3.6 (1.1, 8.2)    | 0.0000595 (0.0000187, 0.0001359) | 0.01934 (0.00577, 0.04522) | 2.9 (0.8, 7.3)    | 0.0000462 (0.0000129, 0.0001151) | 0.01493 (0.00429, 0.03628) |
| Maluku   | Malaria                                       | 30  | 4.3 (0.3, 13.3)   | 0.000071 (0.0000050, 0.0002213)  | 0.02298 (0.00163, 0.07325) | 4.0 (0.3, 12.7)   | 0.0000624 (0.0000040, 0.0002010) | 0.02022 (0.00138, 0.06597) |
| Maluku   | Tuberculosis                                  | 30  | 44.3 (27.1, 64.1) | 0.0007367 (0.0004509, 0.0010655) | 0.23911 (0.16175, 0.31705) | 34.1 (19.9, 50.3) | 0.0005387 (0.0003135, 0.0007944) | 0.17404 (0.10684, 0.24371) |
| Maluku   | Maternal disorders                            | 30  |                   |                                  |                            | 9.0 (4.1, 17.2)   | 0.0001419 (0.0000645, 0.0002716) | 0.04583 (0.02162, 0.08186) |
| Maluku   | Other communicable diseases                   | 30  | 10.2 (4.1, 19.3)  | 0.000169 (0.0000676, 0.0003216)  | 0.05492 (0.02167, 0.10098) | 9.8 (3.9, 18.8)   | 0.0001543 (0.0000610, 0.0002974) | 0.04983 (0.01993, 0.09373) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 30  | 0.6 (0.1, 1.9)    | 0.0000097 (0.0000018, 0.0000317) | 0.00313 (0.00060, 0.00982) | 0.4 (0.1, 1.2)    | 0.0000062 (0.0000012, 0.0000192) | 0.00199 (0.00043, 0.00601) |
| Maluku   | Breast cancer                                 | 30  | 0.1 (0.0, 0.3)    | 0.0000012 (0.0000002, 0.0000043) | 0.00037 (0.00005, 0.00134) | 13.5 (5.3, 24.5)  | 0.0002125 (0.0000833, 0.0003869) | 0.06861 (0.02625, 0.12144) |
| Maluku   | Cervical cancer                               | 30  |                   |                                  |                            | 6.5 (1.5, 17.2)   | 0.0001027 (0.0000240, 0.0002713) | 0.03325 (0.00802, 0.09074) |
| Maluku   | Other malignant neoplasms                     | 30  | 10.2 (4.9, 18.2)  | 0.0001696 (0.0000815, 0.0003033) | 0.05508 (0.02810, 0.09639) | 12.7 (4.8, 23.1)  | 0.0002004 (0.0000759, 0.0003648) | 0.06477 (0.02567, 0.11646) |
| Maluku   | Cerebrovascular disease                       | 30  | 8.1 (4.8, 12.7)   | 0.0001352 (0.0000798, 0.0002109) | 0.04389 (0.02713, 0.06759) | 10.0 (5.7, 15.5)  | 0.0001571 (0.0000894, 0.0002441) | 0.05078 (0.03132, 0.07630) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Ischemic heart disease                        | 30  | 12.7 (7.3, 19.8)  | 0.0002105 (0.0001220, 0.0003287) | 0.06837 (0.04171, 0.10102) | 8.8 (4.6, 14.5)   | 0.000139 (0.0000731, 0.0002287)  | 0.04493 (0.02575, 0.07111) |
| Maluku   | Other cardiovascular and circulatory diseases | 30  | 4.4 (1.8, 9.1)    | 0.0000726 (0.0000305, 0.0001509) | 0.02361 (0.00984, 0.04897) | 6.3 (2.6, 12.7)   | 0.0001 (0.0000408, 0.0002005)    | 0.03231 (0.01389, 0.06481) |
| Maluku   | Diabetes mellitus                             | 30  | 2.5 (1.3, 4.3)    | 0.0000412 (0.0000216, 0.0000709) | 0.01337 (0.00766, 0.02178) | 5.2 (2.6, 9.2)    | 0.0000823 (0.0000416, 0.0001460) | 0.02655 (0.01423, 0.04365) |
| Maluku   | Chronic kidney disease                        | 30  | 5.7 (3.1, 9.5)    | 0.0000944 (0.0000514, 0.0001573) | 0.03064 (0.01801, 0.04740) | 7.6 (3.9, 13.0)   | 0.0001194 (0.0000609, 0.0002048) | 0.03853 (0.02107, 0.06272) |
| Maluku   | Cirrhosis                                     | 30  | 10.4 (5.4, 17.1)  | 0.000173 (0.0000905, 0.0002835)  | 0.05617 (0.02971, 0.08802) | 7.5 (3.7, 12.5)   | 0.000118 (0.0000588, 0.0001972)  | 0.03815 (0.02030, 0.06126) |
| Maluku   | Chronic respiratory diseases                  | 30  | 6.6 (3.0, 12.4)   | 0.0001094 (0.0000504, 0.0002063) | 0.03544 (0.01716, 0.06133) | 6.9 (2.9, 12.8)   | 0.0001084 (0.0000465, 0.0002014) | 0.03503 (0.01596, 0.06380) |
| Maluku   | Other non-communicable diseases               | 30  | 16.8 (10.8, 25.5) | 0.0002793 (0.0001798, 0.0004233) | 0.09068 (0.06060, 0.12555) | 21.2 (13.2, 31.5) | 0.0003354 (0.0002092, 0.0004974) | 0.10833 (0.07391, 0.14869) |
| Maluku   | Drowning                                      | 30  | 2.8 (0.7, 7.2)    | 0.000047 (0.0000122, 0.0001199)  | 0.01531 (0.00400, 0.03797) | 1.2 (0.3, 3.3)    | 0.000019 (0.0000040, 0.0000526)  | 0.00614 (0.00132, 0.01608) |
| Maluku   | Falls                                         | 30  | 3.1 (1.0, 6.8)    | 0.0000518 (0.0000163, 0.0001125) | 0.01683 (0.00552, 0.03633) | 1.7 (0.5, 4.0)    | 0.0000272 (0.0000083, 0.0000629) | 0.0088 (0.00265, 0.02008)  |
| Maluku   | Interpersonal violence                        | 30  | 1.8 (0.7, 3.6)    | 0.0000302 (0.0000113, 0.0000601) | 0.00978 (0.00383, 0.01859) | 1.5 (0.5, 3.3)    | 0.000024 (0.0000086, 0.0000526)  | 0.00773 (0.00283, 0.01589) |
| Maluku   | Self-harm                                     | 30  | 2.7 (1.0, 5.5)    | 0.0000448 (0.0000161, 0.0000922) | 0.01454 (0.00560, 0.02948) | 1.9 (0.6, 4.1)    | 0.00003 (0.0000099, 0.0000650)   | 0.00966 (0.00334, 0.02109) |
| Maluku   | Transport injuries                            | 30  | 16.3 (7.8, 28.4)  | 0.0002702 (0.0001303, 0.0004716) | 0.08763 (0.04569, 0.14629) | 6.8 (2.9, 13.2)   | 0.0001069 (0.0000454, 0.0002086) | 0.03449 (0.01566, 0.06452) |
| Maluku   | Other unintentional injuries                  | 30  | 6.8 (3.0, 12.5)   | 0.0001131 (0.0000495, 0.0002085) | 0.03679 (0.01658, 0.06342) | 3.4 (1.3, 6.7)    | 0.000054 (0.0000209, 0.0001055)  | 0.01747 (0.00719, 0.03273) |
| Maluku   | Diarrheal diseases                            | 35  | 4.4 (1.4, 9.3)    | 0.0000816 (0.0000263, 0.0001731) | 0.02033 (0.00658, 0.04068) | 6.7 (2.2, 13.2)   | 0.0001289 (0.0000421, 0.0002550) | 0.02777 (0.00992, 0.05605) |
| Maluku   | HIV/AIDS                                      | 35  | 5.8 (1.1, 15.8)   | 0.0001081 (0.0000209, 0.0002937) | 0.027 (0.00535, 0.07245)   | 6.4 (1.2, 18.3)   | 0.0001242 (0.0000234, 0.0003531) | 0.02671 (0.00531, 0.07527) |
| Maluku   | Lower respiratory infections                  | 35  | 3.8 (1.1, 8.8)    | 0.00007 (0.0000211, 0.0001629)   | 0.01748 (0.00504, 0.04110) | 3.5 (1.0, 8.5)    | 0.0000673 (0.0000187, 0.0001644) | 0.0145 (0.00418, 0.03511)  |
| Maluku   | Malaria                                       | 35  | 3.8 (0.3, 12.6)   | 0.0000716 (0.0000049, 0.0002349) | 0.0178 (0.00129, 0.05664)  | 3.9 (0.2, 12.9)   | 0.000075 (0.0000047, 0.0002490)  | 0.01621 (0.00105, 0.05208) |
| Maluku   | Tuberculosis                                  | 35  | 47.6 (29.4, 68.8) | 0.000886 (0.0005466, 0.0012814)  | 0.22083 (0.15060, 0.29644) | 39.9 (22.7, 61.0) | 0.0007714 (0.0004389, 0.0011790) | 0.16609 (0.01190, 0.23161) |
| Maluku   | Maternal disorders                            | 35  |                   |                                  |                            | 6.4 (2.5, 13.1)   | 0.000123 (0.0000476, 0.0002531)  | 0.02645 (0.01086, 0.05112) |
| Maluku   | Other communicable diseases                   | 35  | 9.1 (3.4, 17.8)   | 0.0001696 (0.0000637, 0.0003318) | 0.04231 (0.01613, 0.08034) | 9.9 (3.8, 18.9)   | 0.0001915 (0.0000731, 0.0003646) | 0.04126 (0.01692, 0.07789) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 35  | 0.6 (0.1, 1.7)    | 0.0000104 (0.0000018, 0.0000319) | 0.00257 (0.00047, 0.00757) | 0.5 (0.1, 1.7)    | 0.0000105 (0.0000020, 0.0000320) | 0.00226 (0.00047, 0.00686) |
| Maluku   | Breast cancer                                 | 35  | 0.1 (0.0, 0.5)    | 0.0000028 (0.0000004, 0.0000089) | 0.00068 (0.00010, 0.00220) | 19.9 (7.2, 35.8)  | 0.0003843 (0.0001389, 0.0006914) | 0.08266 (0.03222, 0.14002) |
| Maluku   | Cervical cancer                               | 35  |                   |                                  |                            | 10.5 (2.6, 26.9)  | 0.000203 (0.0000501, 0.0005197)  | 0.04379 (0.01132, 0.10800) |
| Maluku   | Other malignant neoplasms                     | 35  | 15.2 (7.8, 26.7)  | 0.0002836 (0.0001457, 0.0004964) | 0.07071 (0.03725, 0.12246) | 14.0 (5.1, 26.4)  | 0.0002697 (0.0000981, 0.0005108) | 0.05805 (0.02304, 0.10614) |
| Maluku   | Cerebrovascular disease                       | 35  | 14.4 (8.8, 21.7)  | 0.0002674 (0.0001642, 0.0004046) | 0.06667 (0.04287, 0.09886) | 17.7 (10.2, 26.9) | 0.0003426 (0.0001979, 0.0005210) | 0.07379 (0.04699, 0.10694) |
| Maluku   | Ischemic heart disease                        | 35  | 19.8 (12.0, 29.7) | 0.0003689 (0.0002240, 0.0005534) | 0.09201 (0.05830, 0.13199) | 14.2 (7.8, 23.2)  | 0.0002754 (0.0001500, 0.0004492) | 0.05928 (0.03526, 0.09236) |
| Maluku   | Other cardiovascular and circulatory diseases | 35  | 6.3 (2.7, 13.4)   | 0.0001173 (0.0000499, 0.0002490) | 0.02929 (0.01268, 0.06011) | 9.0 (3.8, 17.6)   | 0.0001739 (0.0000725, 0.0003411) | 0.03745 (0.01652, 0.07413) |
| Maluku   | Diabetes mellitus                             | 35  | 5.0 (2.7, 8.6)    | 0.0000927 (0.0000507, 0.0001597) | 0.02307 (0.01348, 0.03640) | 10.1 (5.2, 17.2)  | 0.0001944 (0.0001009, 0.0003332) | 0.04176 (0.02356, 0.06528) |
| Maluku   | Chronic kidney disease                        | 35  | 7.2 (3.9, 11.9)   | 0.0001344 (0.0000734, 0.0002224) | 0.03347 (0.01905, 0.05220) | 9.2 (4.7, 16.0)   | 0.0001788 (0.0000915, 0.0003087) | 0.03843 (0.02078, 0.06216) |
| Maluku   | Cirrhosis                                     | 35  | 13.8 (7.6, 22.3)  | 0.0002577 (0.0001413, 0.0004155) | 0.06422 (0.03639, 0.09661) | 9.8 (4.9, 16.4)   | 0.0001899 (0.0000947, 0.0003162) | 0.04091 (0.02164, 0.06439) |
| Maluku   | Chronic respiratory diseases                  | 35  | 8.6 (4.1, 16.4)   | 0.0001609 (0.0000764, 0.0003055) | 0.04001 (0.01993, 0.06874) | 8.5 (3.6, 15.5)   | 0.0001635 (0.0000696, 0.0003006) | 0.03523 (0.01623, 0.06389) |
| Maluku   | Other non-communicable diseases               | 35  | 19.5 (12.4, 29.1) | 0.0003635 (0.0002316, 0.0005425) | 0.0906 (0.06092, 0.12534)  | 24.7 (15.0, 37.4) | 0.0004775 (0.0002903, 0.0007225) | 0.10276 (0.06892, 0.14251) |
| Maluku   | Drowning                                      | 35  | 3.5 (1.0, 8.8)    | 0.0000649 (0.0000180, 0.0001638) | 0.01621 (0.00452, 0.03965) | 1.6 (0.4, 4.6)    | 0.0000311 (0.0000077, 0.0000892) | 0.00671 (0.00172, 0.01807) |
| Maluku   | Falls                                         | 35  | 3.1 (1.0, 6.6)    | 0.0000584 (0.0000178, 0.0001233) | 0.01455 (0.00480, 0.03089) | 1.8 (0.5, 4.2)    | 0.0000357 (0.0000102, 0.0000808) | 0.00768 (0.00237, 0.01791) |
| Maluku   | Interpersonal violence                        | 35  | 1.6 (0.6, 3.3)    | 0.0000297 (0.0000106, 0.0000614) | 0.00741 (0.00280, 0.01446) | 1.3 (0.4, 2.9)    | 0.0000259 (0.0000084, 0.0000568) | 0.00557 (0.00195, 0.01171) |
| Maluku   | Self-harm                                     | 35  | 2.6 (0.9, 5.3)    | 0.0000476 (0.0000167, 0.0000984) | 0.01186 (0.00425, 0.02429) | 1.8 (0.6, 4.0)    | 0.0000345 (0.0000110, 0.0000765) | 0.00742 (0.00241, 0.01632) |
| Maluku   | Transport injuries                            | 35  | 13.1 (5.8, 23.8)  | 0.0002442 (0.0001083, 0.0004433) | 0.06077 (0.02879, 0.10347) | 5.6 (2.1, 11.1)   | 0.0001087 (0.0000414, 0.0002149) | 0.02335 (0.00981, 0.04395) |
| Maluku   | Other unintentional injuries                  | 35  | 6.5 (2.7, 12.0)   | 0.0001207 (0.0000509, 0.0002235) | 0.03012 (0.01265, 0.05422) | 3.3 (1.3, 6.7)    | 0.0000647 (0.0000243, 0.0001302) | 0.01393 (0.00541, 0.02709) |
| Maluku   | Diarrheal diseases                            | 40  | 4.7 (1.6, 9.9)    | 0.0001019 (0.0000345, 0.0002135) | 0.01822 (0.00618, 0.03737) | 7.9 (2.9, 15.1)   | 0.000173 (0.0000639, 0.0003328)  | 0.02739 (0.01048, 0.05360) |
| Maluku   | HIV/AIDS                                      | 40  | 3.2 (0.6, 9.6)    | 0.0000699 (0.0000129, 0.0002070) | 0.0125 (0.00231, 0.03719)  | 3.8 (0.7, 11.5)   | 0.0000837 (0.0000158, 0.0002536) | 0.01322 (0.00292, 0.03877) |
| Maluku   | Lower respiratory infections                  | 40  | 3.8 (1.1, 9.0)    | 0.0000827 (0.0000248, 0.0001944) | 0.01479 (0.00431, 0.03438) | 4.0 (1.1, 9.7)    | 0.0000879 (0.0000251, 0.0002123) | 0.01392 (0.00407, 0.03356) |
| Maluku   | Malaria                                       | 40  | 3.9 (0.3, 12.5)   | 0.0000835 (0.0000063, 0.0002698) | 0.01485 (0.00106, 0.04794) | 4.0 (0.2, 13.2)   | 0.0000875 (0.0000049, 0.0002907) | 0.0139 (0.00088, 0.04601)  |
| Maluku   | Tuberculosis                                  | 40  | 46.4 (29.5, 68.2) | 0.0010038 (0.0006386, 0.0014745) | 0.17923 (0.12026, 0.24615) | 40.0 (23.5, 61.6) | 0.0008796 (0.0005173, 0.0013548) | 0.13912 (0.08679, 0.20024) |
| Maluku   | Maternal disorders                            | 40  |                   |                                  |                            | 1.7 (0.6, 3.8)    | 0.0000377 (0.0000127, 0.0000834) | 0.00595 (0.00207, 0.01262) |
| Maluku   | Other communicable diseases                   | 40  | 8.8 (3.2, 17.5)   | 0.0001905 (0.0000683, 0.0003792) | 0.03404 (0.01286, 0.06449) | 10.8 (4.3, 20.5)  | 0.0002364 (0.0000954, 0.0004513) | 0.03741 (0.01562, 0.06921) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 40  | 1.3 (0.3, 3.9)    | 0.0000271 (0.0000059, 0.0000837) | 0.00482 (0.00108, 0.01392) | 0.7 (0.1, 2.1)    | 0.0000155 (0.0000032, 0.0000462) | 0.00245 (0.00054, 0.00728) |
| Maluku   | Breast cancer                                 | 40  | 0.3 (0.0, 0.9)    | 0.0000064 (0.0000011, 0.0000188) | 0.00113 (0.00019, 0.00340) | 25.6 (9.7, 45.8)  | 0.0005636 (0.0002137, 0.0010062) | 0.08906 (0.03520, 0.15521) |
| Maluku   | Cervical cancer                               | 40  |                   |                                  |                            | 14.7 (3.9, 37.1)  | 0.0003237 (0.0000867, 0.0008162) | 0.0513 (0.01454, 0.12486)  |
| Maluku   | Other malignant neoplasms                     | 40  | 21.6 (11.0, 38.3) | 0.0004674 (0.0002373, 0.0008286) | 0.08346 (0.04420, 0.14153) | 14.7 (5.2, 28.2)  | 0.0003228 (0.0001144, 0.0006196) | 0.05102 (0.01948, 0.09365) |
| Maluku   | Cerebrovascular disease                       | 40  | 25.1 (15.5, 37.5) | 0.0005424 (0.0003346, 0.0008114) | 0.09684 (0.06318, 0.13796) | 29.8 (18.0, 43.8) | 0.0006558 (0.0003967, 0.0009625) | 0.10377 (0.06828, 0.14590) |
| Maluku   | Ischemic heart disease                        | 40  | 32.3 (20.4, 48.1) | 0.0006985 (0.0004411, 0.0010390) | 0.12477 (0.08215, 0.17337) | 22.4 (12.7, 35.6) | 0.0004925 (0.0002801, 0.0007826) | 0.0779 (0.04787, 0.11642)  |
| Maluku   | Other cardiovascular and circulatory diseases | 40  | 9.8 (4.2, 20.5)   | 0.000212 (0.0000908, 0.0004439)  | 0.03788 (0.01654, 0.07607) | 13.0 (5.5, 25.4)  | 0.000285 (0.0001204, 0.0005585)  | 0.04507 (0.02018, 0.08590) |
| Maluku   | Diabetes mellitus                             | 40  | 11.1 (6.3, 18.6)  | 0.0002399 (0.0001361, 0.0004021) | 0.04277 (0.02558, 0.06583) | 20.2 (10.9, 32.8) | 0.0004444 (0.0002399, 0.0007208) | 0.07021 (0.04066, 0.10865) |
| Maluku   | Chronic kidney disease                        | 40  | 9.8 (5.2, 16.0)   | 0.0002122 (0.0001131, 0.0003447) | 0.03785 (0.02215, 0.05669) | 13.5 (5.9, 19.2)  | 0.0002478 (0.0001300, 0.0004230) | 0.03915 (0.02128, 0.06312) |
| Maluku   | Cirrhosis                                     | 40  | 18.1 (10.0, 28.9) | 0.0003911 (0.0002161, 0.0006252) | 0.06981 (0.03969, 0.10727) | 12.3 (6.3, 20.1)  | 0.0002697 (0.0001396, 0.0004415) | 0.04268 (0.02287, 0.06930) |
| Maluku   | Chronic respiratory diseases                  | 40  | 11.8 (5.7, 22.2)  | 0.0002542 (0.0001242, 0.0004797) | 0.04527 (0.02258, 0.07772) | 10.4 (4.6, 19.3)  | 0.0002279 (0.0001010, 0.0004239) | 0.03607 (0.01682, 0.06472) |
| Maluku   | Other non-communicable diseases               | 40  | 23.4 (14.6, 35.6) | 0.0005062 (0.0003145, 0.0007691) | 0.09038 (0.05992, 0.12883) | 28.1 (17.4, 42.3) | 0.0006187 (0.0003827, 0.0009300) | 0.09783 (0.06498, 0.13921) |
| Maluku   | Drowning                                      | 40  | 1.8 (0.5, 4.8)    | 0.0000395 (0.0000102, 0.0001044) | 0.00707 (0.00174, 0.01840) | 0.9 (0.2, 2.6)    | 0.0000207 (0.0000047, 0.0000563) | 0.00329 (0.00077, 0.00859) |
| Maluku   | Falls                                         | 40  | 2.7 (0.8, 6.2)    | 0.0000589 (0.0000181, 0.0001339) | 0.0105 (0.00329, 0.02432)  | 1.7 (0.5, 4.0)    | 0.0000377 (0.0000111, 0.0000873) | 0.00597 (0.00184, 0.01451) |
| Maluku   | Interpersonal violence                        | 40  | 1.3 (0.4, 2.7)    | 0.0000272 (0.0000093, 0.0000577) | 0.00484 (0.00174, 0.00985) | 1.0 (0.3, 2.2)    | 0.0000213 (0.0000071, 0.0000473) | 0.00337 (0.00115, 0.00702) |
| Maluku   | Self-harm                                     | 40  | 2.3 (0.8, 5.0)    | 0.0000493 (0.0000170, 0.0001081) | 0.00879 (0.00314, 0.01927) | 1.4 (0.5, 3.2)    | 0.0000315 (0.0000099, 0.0000706) | 0.00497 (0.00162, 0.01091) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males             |                                  |                            | Females            |                                  |                            |
|----------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Transport injuries                            | 40  | 10.4 (4.3, 19.7)  | 0.0002253 (0.0000939, 0.0004268) | 0.04013 (0.01751, 0.07231) | 4.6 (1.7, 9.3)     | 0.0001002 (0.0000370, 0.0002046) | 0.01582 (0.00623, 0.03062) |
| Maluku   | Other unintentional injuries                  | 40  | 5.2 (2.1, 10.0)   | 0.0001121 (0.0000454, 0.0002163) | 0.02003 (0.00854, 0.03720) | 2.6 (1.0, 5.5)     | 0.000058 (0.0000226, 0.0001205)  | 0.00917 (0.00383, 0.01804) |
| Maluku   | Diarrheal diseases                            | 45  | 4.7 (1.5, 9.9)    | 0.0001156 (0.0000364, 0.0002450) | 0.01483 (0.00469, 0.03041) | 8.9 (3.0, 17.5)    | 0.0002245 (0.0000762, 0.0004426) | 0.02384 (0.00870, 0.04635) |
| Maluku   | HIV/AIDS                                      | 45  | 1.8 (0.3, 5.6)    | 0.0000441 (0.0000073, 0.0001375) | 0.00566 (0.00097, 0.01765) | 2.4 (0.4, 7.6)     | 0.0000602 (0.0000102, 0.0001929) | 0.00637 (0.00107, 0.02081) |
| Maluku   | Lower respiratory infections                  | 45  | 4.7 (1.4, 11.4)   | 0.0001158 (0.0000344, 0.0002802) | 0.01487 (0.00425, 0.03478) | 5.6 (1.6, 13.2)    | 0.0001428 (0.0000394, 0.0003350) | 0.01517 (0.00436, 0.03589) |
| Maluku   | Malaria                                       | 45  | 3.5 (0.3, 11.1)   | 0.0000854 (0.0000062, 0.0002752) | 0.0109 (0.00083, 0.03478)  | 3.9 (0.2, 13.3)    | 0.0000987 (0.0000061, 0.0003374) | 0.01052 (0.00068, 0.03710) |
| Maluku   | Tuberculosis                                  | 45  | 53.2 (33.6, 78.3) | 0.0013139 (0.0008300, 0.0019331) | 0.16839 (0.11461, 0.23168) | 49.8 (30.4, 74.1)  | 0.0012639 (0.0007720, 0.0018786) | 0.13416 (0.08614, 0.18975) |
| Maluku   | Maternal disorders                            | 45  |                   |                                  |                            | 0.3 (0.1, 0.7)     | 0.0000072 (0.0000021, 0.0000175) | 0.00077 (0.00023, 0.00184) |
| Maluku   | Other communicable diseases                   | 45  | 7.5 (2.7, 15.3)   | 0.0001846 (0.0000659, 0.0003772) | 0.02366 (0.00858, 0.04887) | 10.5 (4.1, 20.9)   | 0.0002652 (0.0001039, 0.0005311) | 0.02816 (0.01144, 0.05536) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 45  | 1.7 (0.4, 5.0)    | 0.0000423 (0.0000099, 0.0001225) | 0.0054 (0.00128, 0.01469)  | 1.0 (0.2, 3.0)     | 0.000025 (0.0000053, 0.0000772)  | 0.00265 (0.00059, 0.00784) |
| Maluku   | Breast cancer                                 | 45  | 0.4 (0.1, 1.1)    | 0.0000101 (0.0000020, 0.0000275) | 0.00129 (0.00027, 0.00367) | 30.2 (11.3, 55.5)  | 0.0007666 (0.0002859, 0.0014088) | 0.08134 (0.03199, 0.14457) |
| Maluku   | Cervical cancer                               | 45  |                   |                                  |                            | 15.8 (3.9, 43.0)   | 0.0003994 (0.0001001, 0.0010905) | 0.04246 (0.01100, 0.11005) |
| Maluku   | Other malignant neoplasms                     | 45  | 22.1 (11.1, 40.2) | 0.0005466 (0.0002746, 0.0009928) | 0.07005 (0.03609, 0.12220) | 15.8 (5.4, 32.1)   | 0.0004016 (0.0001378, 0.0008133) | 0.04263 (0.01518, 0.08087) |
| Maluku   | Cerebrovascular disease                       | 45  | 39.0 (24.5, 58.1) | 0.0009625 (0.0006055, 0.0014336) | 0.12334 (0.08267, 0.17099) | 48.8 (30.7, 68.9)  | 0.0012369 (0.0007791, 0.0017483) | 0.13134 (0.08879, 0.17759) |
| Maluku   | Ischemic heart disease                        | 45  | 46.0 (28.9, 69.4) | 0.0011362 (0.0007146, 0.0017130) | 0.14566 (0.09510, 0.19903) | 32.8 (18.7, 51.0)  | 0.0008306 (0.0004733, 0.0012934) | 0.08815 (0.05478, 0.12910) |
| Maluku   | Other cardiovascular and circulatory diseases | 45  | 13.9 (6.0, 28.2)  | 0.0003424 (0.0001484, 0.0006958) | 0.04389 (0.01887, 0.08702) | 19.2 (8.4, 37.0)   | 0.0004882 (0.0002137, 0.0009383) | 0.0518 (0.02366, 0.09731)  |
| Maluku   | Diabetes mellitus                             | 45  | 19.6 (11.4, 32.5) | 0.0004829 (0.0002806, 0.0008015) | 0.06181 (0.03775, 0.09574) | 36.4 (21.2, 57.2)  | 0.000924 (0.0005385, 0.0014501)  | 0.09801 (0.06009, 0.14869) |
| Maluku   | Chronic kidney disease                        | 45  | 11.7 (6.4, 18.5)  | 0.0002882 (0.0001578, 0.0004577) | 0.03689 (0.02191, 0.05511) | 13.8 (7.3, 23.1)   | 0.000349 (0.0001840, 0.0005850)  | 0.037 (0.02021, 0.05858)   |
| Maluku   | Cirrhosis                                     | 45  | 20.1 (11.1, 32.1) | 0.0004956 (0.0002746, 0.0007924) | 0.06348 (0.03649, 0.09869) | 14.4 (7.4, 23.3)   | 0.0003657 (0.0001875, 0.0005905) | 0.03885 (0.02102, 0.06358) |
| Maluku   | Chronic respiratory diseases                  | 45  | 16.7 (8.2, 30.7)  | 0.0004125 (0.0002018, 0.0007577) | 0.05275 (0.02644, 0.09051) | 15.8 (7.2, 28.6)   | 0.0004003 (0.0001819, 0.0007252) | 0.04249 (0.02010, 0.07705) |
| Maluku   | Other non-communicable diseases               | 45  | 25.9 (15.9, 39.8) | 0.0006392 (0.0003914, 0.0009826) | 0.08192 (0.05383, 0.11705) | 32.9 (20.5, 49.8)  | 0.0008337 (0.0005201, 0.0012630) | 0.08848 (0.05797, 0.12575) |
| Maluku   | Drowning                                      | 45  | 1.2 (0.3, 3.9)    | 0.0000308 (0.0000071, 0.0000975) | 0.00395 (0.00091, 0.01213) | 0.7 (0.2, 2.2)     | 0.0000187 (0.0000041, 0.0000556) | 0.00199 (0.00044, 0.00592) |
| Maluku   | Falls                                         | 45  | 3.1 (0.9, 6.8)    | 0.000076 (0.0000232, 0.0001675)  | 0.00972 (0.00317, 0.02186) | 2.2 (0.7, 5.0)     | 0.0000549 (0.0000176, 0.0001277) | 0.00583 (0.00184, 0.01332) |
| Maluku   | Interpersonal violence                        | 45  | 1.2 (0.4, 2.5)    | 0.0000288 (0.0000093, 0.0000618) | 0.00369 (0.00118, 0.00776) | 0.9 (0.3, 2.0)     | 0.0000236 (0.0000074, 0.0000509) | 0.0025 (0.00082, 0.00514)  |
| Maluku   | Self-harm                                     | 45  | 2.4 (0.8, 5.4)    | 0.0000602 (0.0000186, 0.0001334) | 0.0077 (0.00262, 0.01666)  | 1.6 (0.5, 3.5)     | 0.0000397 (0.0000120, 0.0000883) | 0.0042 (0.00137, 0.00936)  |
| Maluku   | Transport injuries                            | 45  | 10.8 (4.5, 21.2)  | 0.0002655 (0.0001115, 0.0005226) | 0.03398 (0.01522, 0.06251) | 5.1 (2.1, 10.2)    | 0.0001303 (0.0000527, 0.0002598) | 0.01381 (0.00574, 0.02662) |
| Maluku   | Other unintentional injuries                  | 45  | 5.1 (2.0, 10.2)   | 0.0001261 (0.0000495, 0.0002518) | 0.01617 (0.00656, 0.03111) | 2.8 (1.1, 5.6)     | 0.0000705 (0.0000267, 0.0001430) | 0.00748 (0.00298, 0.01470) |
| Maluku   | Diarrheal diseases                            | 50  | 6.5 (2.3, 14.0)   | 0.0001934 (0.0000681, 0.0004183) | 0.0168 (0.00589, 0.03363)  | 12.3 (4.8, 23.7)   | 0.0003679 (0.0001453, 0.0007109) | 0.02663 (0.01076, 0.05078) |
| Maluku   | HIV/AIDS                                      | 50  | 0.9 (0.1, 3.0)    | 0.0000254 (0.0000038, 0.0000888) | 0.0022 (0.00033, 0.00760)  | 1.1 (0.2, 3.7)     | 0.0000339 (0.0000052, 0.0001111) | 0.00244 (0.00038, 0.00799) |
| Maluku   | Lower respiratory infections                  | 50  | 6.1 (1.8, 14.0)   | 0.0001824 (0.0000528, 0.0004187) | 0.01588 (0.00452, 0.03815) | 8.1 (2.3, 19.2)    | 0.0002434 (0.0000697, 0.0005762) | 0.01762 (0.00504, 0.04106) |
| Maluku   | Malaria                                       | 50  | 3.8 (0.3, 12.9)   | 0.0001137 (0.0000083, 0.0003844) | 0.00982 (0.00066, 0.03207) | 4.0 (0.2, 14.6)    | 0.0001215 (0.0000066, 0.0004373) | 0.00883 (0.00052, 0.03285) |
| Maluku   | Tuberculosis                                  | 50  | 60.0 (37.3, 87.4) | 0.0017921 (0.0011127, 0.0026086) | 0.15563 (0.10433, 0.21677) | 58.5 (35.6, 87.9)  | 0.0017573 (0.0010676, 0.0026376) | 0.12711 (0.08117, 0.18189) |
| Maluku   | Maternal disorders                            | 50  |                   |                                  |                            | 0.1 (0.0, 0.4)     | 0.0000039 (0.0000009, 0.0000113) | 0.00028 (0.00007, 0.00085) |
| Maluku   | Other communicable diseases                   | 50  | 7.9 (2.9, 16.6)   | 0.0002347 (0.0000862, 0.0004956) | 0.02036 (0.00762, 0.04163) | 11.2 (4.6, 22.4)   | 0.0003374 (0.0001388, 0.0006716) | 0.02441 (0.01022, 0.04784) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 50  | 2.5 (0.6, 7.6)    | 0.0000758 (0.0000175, 0.0002265) | 0.00656 (0.00157, 0.01857) | 1.2 (0.3, 3.5)     | 0.0000353 (0.0000077, 0.0001046) | 0.00255 (0.00058, 0.00728) |
| Maluku   | Breast cancer                                 | 50  | 0.5 (0.1, 1.5)    | 0.0000161 (0.0000035, 0.0000436) | 0.0014 (0.00032, 0.00387)  | 27.5 (9.3, 52.3)   | 0.0008265 (0.0002779, 0.0015693) | 0.05976 (0.02095, 0.10966) |
| Maluku   | Cervical cancer                               | 50  |                   |                                  |                            | 16.0 (4.0, 42.1)   | 0.0004802 (0.0001201, 0.0012653) | 0.03479 (0.00878, 0.09077) |
| Maluku   | Other malignant neoplasms                     | 50  | 27.3 (12.8, 49.3) | 0.000814 (0.0003833, 0.0014723)  | 0.07066 (0.03616, 0.12139) | 16.8 (5.5, 34.1)   | 0.0005044 (0.0001648, 0.0010237) | 0.03649 (0.01217, 0.07074) |
| Maluku   | Cerebrovascular disease                       | 50  | 55.6 (35.6, 80.7) | 0.0016592 (0.0010618, 0.0024091) | 0.14405 (0.09693, 0.19499) | 73.5 (48.6, 102.1) | 0.0022063 (0.0014577, 0.0030667) | 0.15963 (0.10990, 0.21323) |
| Maluku   | Ischemic heart disease                        | 50  | 52.2 (32.8, 78.5) | 0.0015591 (0.0009794, 0.0023436) | 0.13542 (0.08801, 0.18713) | 43.8 (25.8, 68.1)  | 0.0013152 (0.0007738, 0.0020439) | 0.09511 (0.05781, 0.14054) |
| Maluku   | Other cardiovascular and circulatory diseases | 50  | 20.9 (9.1, 41.5)  | 0.0006237 (0.0002713, 0.0012393) | 0.05415 (0.02458, 0.10610) | 27.8 (12.3, 51.5)  | 0.0008337 (0.0003689, 0.0015464) | 0.06026 (0.02747, 0.11134) |
| Maluku   | Diabetes mellitus                             | 50  | 28.2 (16.6, 45.7) | 0.0008431 (0.0004948, 0.0013646) | 0.07313 (0.04475, 0.11011) | 52.5 (30.7, 80.3)  | 0.0015749 (0.0009222, 0.0024124) | 0.1138 (0.07176, 0.16964)  |
| Maluku   | Chronic kidney disease                        | 50  | 13.4 (7.3, 21.2)  | 0.0003997 (0.0002175, 0.0006319) | 0.03466 (0.02024, 0.05232) | 15.6 (8.4, 26.0)   | 0.0004683 (0.0002528, 0.0007814) | 0.03385 (0.01872, 0.05353) |
| Maluku   | Cirrhosis                                     | 50  | 22.5 (12.3, 36.4) | 0.0006708 (0.0003671, 0.0010877) | 0.05823 (0.03292, 0.09012) | 16.8 (8.7, 26.5)   | 0.0005038 (0.0002620, 0.0007946) | 0.03647 (0.01993, 0.05915) |
| Maluku   | Chronic respiratory diseases                  | 50  | 27.7 (13.7, 49.2) | 0.0008256 (0.0004088, 0.0014697) | 0.07155 (0.03696, 0.12164) | 23.1 (10.8, 41.1)  | 0.0006948 (0.0003254, 0.0012351) | 0.05026 (0.02439, 0.08808) |
| Maluku   | Other non-communicable diseases               | 50  | 30.1 (18.1, 45.8) | 0.0008994 (0.0005417, 0.0013681) | 0.0781 (0.05057, 0.11273)  | 38.7 (24.0, 57.6)  | 0.001161 (0.0007194, 0.0017284)  | 0.08398 (0.05515, 0.11901) |
| Maluku   | Drowning                                      | 50  | 0.9 (0.2, 2.5)    | 0.0000258 (0.0000058, 0.0000733) | 0.00224 (0.00052, 0.00632) | 0.6 (0.1, 1.8)     | 0.0000177 (0.0000039, 0.0000533) | 0.00128 (0.00028, 0.00373) |
| Maluku   | Falls                                         | 50  | 3.4 (1.0, 7.5)    | 0.0001004 (0.0000311, 0.0002254) | 0.0087 (0.00286, 0.01917)  | 2.6 (0.8, 5.7)     | 0.0000785 (0.0000255, 0.0001706) | 0.00568 (0.00182, 0.01264) |
| Maluku   | Interpersonal violence                        | 50  | 0.9 (0.3, 2.1)    | 0.000028 (0.0000085, 0.0000617)  | 0.00242 (0.00077, 0.00511) | 0.7 (0.2, 1.6)     | 0.0000219 (0.0000071, 0.0000471) | 0.00158 (0.00055, 0.00330) |
| Maluku   | Self-harm                                     | 50  | 2.2 (0.7, 5.0)    | 0.0000655 (0.0000212, 0.0001503) | 0.00568 (0.00193, 0.01255) | 1.3 (0.4, 3.1)     | 0.0000405 (0.0000126, 0.0000936) | 0.00292 (0.00094, 0.00666) |
| Maluku   | Transport injuries                            | 50  | 8.3 (3.4, 17.0)   | 0.0002484 (0.0001029, 0.0005062) | 0.02153 (0.00913, 0.04031) | 4.2 (1.6, 8.6)     | 0.0001271 (0.0000494, 0.0002577) | 0.00918 (0.00366, 0.01845) |
| Maluku   | Other unintentional injuries                  | 50  | 4.2 (1.7, 8.6)    | 0.0001248 (0.0000498, 0.0002555) | 0.01083 (0.00448, 0.02119) | 2.3 (0.9, 4.9)     | 0.0000705 (0.0000273, 0.0001467) | 0.0051 (0.00210, 0.01045)  |
| Maluku   | Diarrheal diseases                            | 55  | 7.0 (2.4, 14.9)   | 0.0002866 (0.0000971, 0.0006067) | 0.01759 (0.00612, 0.03475) | 12.4 (4.8, 23.7)   | 0.00053 (0.0002036, 0.0010171)   | 0.0261 (0.01040, 0.04963)  |
| Maluku   | HIV/AIDS                                      | 55  | 0.4 (0.0, 1.3)    | 0.0000148 (0.0000020, 0.0000517) | 0.00091 (0.00013, 0.00329) | 0.5 (0.1, 1.7)     | 0.0000204 (0.0000029, 0.0000709) | 0.001 (0.00014, 0.00351)   |
| Maluku   | Lower respiratory infections                  | 55  | 6.7 (2.0, 15.9)   | 0.0002727 (0.0000804, 0.0006464) | 0.01677 (0.00499, 0.03912) | 8.0 (2.4, 19.3)    | 0.0003438 (0.0001017, 0.0008246) | 0.01692 (0.00512, 0.03944) |
| Maluku   | Malaria                                       | 55  | 3.7 (0.2, 13.0)   | 0.0001514 (0.0000096, 0.0005278) | 0.00924 (0.00059, 0.03076) | 4.0 (0.2, 14.3)    | 0.0001702 (0.0000094, 0.0006127) | 0.00841 (0.00049, 0.03045) |
| Maluku   | Tuberculosis                                  | 55  | 55.5 (33.7, 82.6) | 0.002256 (0.0013714, 0.0033596)  | 0.13835 (0.09024, 0.19393) | 53.3 (31.1, 79.4)  | 0.0022835 (0.0013303, 0.0033991) | 0.11234 (0.07028, 0.16206) |
| Maluku   | Other communicable diseases                   | 55  | 7.6 (2.8, 16.9)   | 0.0003093 (0.0001146, 0.0006868) | 0.01894 (0.00699, 0.04032) | 9.8 (3.9, 19.7)    | 0.0004202 (0.0001687, 0.0008458) | 0.02069 (0.00856, 0.04250) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 55  | 2.8 (0.7, 8.1)    | 0.0001146 (0.0000273, 0.0003277) | 0.00701 (0.00177, 0.01927) | 1.0 (0.2, 2.9)     | 0.0000421 (0.0000099, 0.0001244) | 0.00207 (0.00048, 0.00593) |
| Maluku   | Breast cancer                                 | 55  | 0.5 (0.1, 1.3)    | 0.0000185 (0.0000044, 0.0000511) | 0.00114 (0.00028, 0.00295) | 23.4 (8.1, 46.0)   | 0.0010019 (0.0003451, 0.0019694) | 0.04928 (0.01716, 0.09409) |
| Maluku   | Cervical cancer                               | 55  |                   |                                  |                            | 11.2 (2.5, 31.9)   | 0.0004819 (0.0001085, 0.0013682) | 0.02375 (0.00530, 0.06800) |
| Maluku   | Other malignant neoplasms                     | 55  | 19.9 (9.5, 37.4)  | 0.0008082 (0.0003842, 0.0015190) | 0.04955 (0.02433, 0.08795) | 16.0 (5.6, 31.9)   | 0.0006838 (0.0002403, 0.0013663) | 0.03367 (0.01138, 0.06643) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males              |                                  |                             | Females             |                                  |                            |
|----------|-----------------------------------------------|-----|--------------------|----------------------------------|-----------------------------|---------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Cerebrovascular disease                       | 55  | 68.2 (44.2, 98.1)  | 0.0027716 (0.0017963, 0.0039876) | 0.16989 (0.11653, 0.22443)  | 87.1 (57.9, 119.4)  | 0.0037306 (0.0024807, 0.0051165) | 0.18362 (0.12797, 0.24063) |
| Maluku   | Ischemic heart disease                        | 55  | 63.1 (39.8, 94.2)  | 0.0025653 (0.0016168, 0.0038315) | 0.1573 (0.10341, 0.21588)   | 50.8 (30.4, 77.8)   | 0.0021778 (0.0013002, 0.0033346) | 0.10715 (0.06631, 0.15761) |
| Maluku   | Other cardiovascular and circulatory diseases | 55  | 23.9 (10.3, 47.0)  | 0.0009733 (0.0004205, 0.0019109) | 0.05968 (0.02716, 0.11523)  | 32.7 (14.7, 60.6)   | 0.0013989 (0.0006309, 0.0025960) | 0.06882 (0.03144, 0.12683) |
| Maluku   | Diabetes mellitus                             | 55  | 30.4 (17.9, 48.7)  | 0.0012365 (0.0007284, 0.0019805) | 0.07575 (0.04748, 0.11358)  | 57.3 (34.7, 87.0)   | 0.0024546 (0.0014872, 0.0037260) | 0.12068 (0.07672, 0.17662) |
| Maluku   | Chronic kidney disease                        | 55  | 13.0 (7.1, 20.8)   | 0.00053 (0.0002869, 0.0008440)   | 0.03245 (0.01895, 0.04918)  | 15.8 (8.5, 26.3)    | 0.0006764 (0.0003659, 0.0011251) | 0.03327 (0.01874, 0.05235) |
| Maluku   | Cirrhosis                                     | 55  | 20.9 (11.5, 34.6)  | 0.0008485 (0.0004659, 0.0014069) | 0.05201 (0.02907, 0.08144)  | 15.1 (7.9, 24.9)    | 0.0006451 (0.0003388, 0.0010659) | 0.03177 (0.01704, 0.05157) |
| Maluku   | Chronic respiratory diseases                  | 55  | 29.8 (15.0, 52.3)  | 0.0012123 (0.0006102, 0.0021280) | 0.0742 (0.03887, 0.11980)   | 26.4 (12.7, 45.6)   | 0.0011329 (0.0005427, 0.0019537) | 0.05574 (0.02703, 0.09406) |
| Maluku   | Other non-communicable diseases               | 55  | 32.2 (19.9, 48.2)  | 0.0013083 (0.0008097, 0.0019605) | 0.08024 (0.05342, 0.11590)  | 41.2 (25.8, 61.1)   | 0.0017633 (0.0011045, 0.0026186) | 0.08677 (0.05746, 0.12407) |
| Maluku   | Drowning                                      | 55  | 0.6 (0.1, 2.0)     | 0.0000263 (0.0000055, 0.0000812) | 0.00161 (0.00035, 0.00481)  | 0.3 (0.1, 1.1)      | 0.0000149 (0.0000028, 0.0000456) | 0.00073 (0.00014, 0.00215) |
| Maluku   | Falls                                         | 55  | 3.6 (1.1, 7.8)     | 0.0001476 (0.0000467, 0.0003165) | 0.00903 (0.00296, 0.01961)  | 2.4 (0.8, 5.2)      | 0.0001008 (0.0000330, 0.0002248) | 0.00496 (0.00167, 0.01038) |
| Maluku   | Interpersonal violence                        | 55  | 0.7 (0.2, 1.5)     | 0.0000283 (0.0000087, 0.0000612) | 0.00173 (0.00053, 0.00352)  | 0.5 (0.2, 1.2)      | 0.0000228 (0.0000076, 0.0000508) | 0.00112 (0.00038, 0.00243) |
| Maluku   | Self-harm                                     | 55  | 1.8 (0.6, 4.0)     | 0.0000748 (0.0000250, 0.0001637) | 0.00458 (0.00156, 0.00966)  | 1.1 (0.4, 2.6)      | 0.0000488 (0.0000154, 0.0001110) | 0.0024 (0.00077, 0.00527)  |
| Maluku   | Transport injuries                            | 55  | 5.5 (2.1, 11.0)    | 0.0002249 (0.0000852, 0.0004456) | 0.01376 (0.00532, 0.02628)  | 2.4 (0.8, 5.4)      | 0.0001044 (0.0000360, 0.0002293) | 0.00513 (0.00189, 0.01039) |
| Maluku   | Other unintentional injuries                  | 55  | 3.3 (1.3, 6.6)     | 0.0001353 (0.0000531, 0.0002703) | 0.00829 (0.00347, 0.01602)  | 1.7 (0.6, 3.5)      | 0.000073 (0.0000273, 0.0001502)  | 0.00359 (0.00141, 0.00730) |
| Maluku   | Diarrheal diseases                            | 60  | 8.4 (2.8, 17.3)    | 0.0004705 (0.0001563, 0.0009634) | 0.0178 (0.00655, 0.03489)   | 14.1 (5.6, 27.0)    | 0.0007986 (0.0003158, 0.0015293) | 0.02636 (0.01070, 0.04986) |
| Maluku   | HIV/AIDS                                      | 60  | 0.3 (0.0, 1.0)     | 0.0000155 (0.0000020, 0.0000567) | 0.00059 (0.000008, 0.00222) | 0.3 (0.0, 1.3)      | 0.0000196 (0.0000025, 0.0000751) | 0.00064 (0.00009, 0.00237) |
| Maluku   | Lower respiratory infections                  | 60  | 9.8 (3.0, 22.5)    | 0.0005452 (0.0001673, 0.0012548) | 0.02068 (0.00607, 0.04715)  | 11.7 (3.5, 26.7)    | 0.0006633 (0.0001979, 0.0015155) | 0.02189 (0.00649, 0.04947) |
| Maluku   | Malaria                                       | 60  | 4.1 (0.3, 13.9)    | 0.0002304 (0.0000148, 0.0007750) | 0.00867 (0.00060, 0.02862)  | 4.1 (0.2, 14.8)     | 0.0002322 (0.0000140, 0.0008412) | 0.00769 (0.00047, 0.02755) |
| Maluku   | Tuberculosis                                  | 60  | 70.9 (44.4, 103.5) | 0.0039574 (0.0024785, 0.0057715) | 0.14968 (0.09881, 0.20709)  | 66.3 (38.8, 97.8)   | 0.0037554 (0.0021976, 0.0055436) | 0.12384 (0.07824, 0.17921) |
| Maluku   | Other communicable diseases                   | 60  | 6.6 (2.2, 14.3)    | 0.0003656 (0.0001226, 0.0007994) | 0.01381 (0.00472, 0.02915)  | 8.1 (3.1, 17.2)     | 0.0004611 (0.0001779, 0.0009738) | 0.01522 (0.00598, 0.03301) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 60  | 2.4 (0.6, 6.5)     | 0.0001339 (0.0000327, 0.0003619) | 0.00505 (0.00131, 0.01370)  | 1.0 (0.2, 2.8)      | 0.0000539 (0.0000133, 0.0001606) | 0.00177 (0.00043, 0.00500) |
| Maluku   | Breast cancer                                 | 60  | 0.5 (0.1, 1.4)     | 0.0000264 (0.0000059, 0.0000785) | 0.001 (0.00023, 0.00285)    | 19.3 (6.4, 38.2)    | 0.0010911 (0.0003635, 0.0021650) | 0.03596 (0.01219, 0.07135) |
| Maluku   | Cervical cancer                               | 60  |                    |                                  |                             | 9.3 (2.0, 27.3)     | 0.0005271 (0.0001122, 0.0015468) | 0.01741 (0.00376, 0.05250) |
| Maluku   | Other malignant neoplasms                     | 60  | 20.9 (9.5, 38.8)   | 0.0011644 (0.0005273, 0.0021636) | 0.04404 (0.02182, 0.07826)  | 18.1 (6.5, 35.3)    | 0.0010279 (0.0003684, 0.0019986) | 0.0339 (0.01241, 0.06630)  |
| Maluku   | Cerebrovascular disease                       | 60  | 84.1 (55.5, 119.4) | 0.0046935 (0.0030970, 0.0066624) | 0.17747 (0.12453, 0.23358)  | 105.1 (72.9, 142.4) | 0.0059558 (0.0041317, 0.0080729) | 0.19643 (0.14067, 0.25717) |
| Maluku   | Ischemic heart disease                        | 60  | 69.6 (44.5, 104.5) | 0.0038851 (0.0024809, 0.0058279) | 0.1469 (0.09699, 0.20215)   | 56.9 (33.9, 87.0)   | 0.0032269 (0.0019230, 0.0049313) | 0.1064 (0.06647, 0.15601)  |
| Maluku   | Other cardiovascular and circulatory diseases | 60  | 30.0 (13.0, 59.6)  | 0.0016724 (0.0007240, 0.0033260) | 0.06323 (0.02899, 0.12288)  | 38.4 (17.1, 71.2)   | 0.0021783 (0.0009666, 0.0040369) | 0.07182 (0.03290, 0.13285) |
| Maluku   | Diabetes mellitus                             | 60  | 30.7 (17.9, 49.4)  | 0.0017114 (0.0010004, 0.0027538) | 0.06466 (0.04045, 0.09666)  | 56.0 (33.4, 85.4)   | 0.0031727 (0.0018909, 0.0048391) | 0.10455 (0.06534, 0.15444) |
| Maluku   | Chronic kidney disease                        | 60  | 13.6 (7.3, 21.8)   | 0.0007591 (0.0004098, 0.0012143) | 0.02867 (0.01639, 0.04347)  | 15.7 (8.5, 25.9)    | 0.0008909 (0.0004816, 0.0014691) | 0.02936 (0.01620, 0.04686) |
| Maluku   | Cirrhosis                                     | 60  | 20.1 (11.1, 33.6)  | 0.0011223 (0.0006167, 0.0018748) | 0.04243 (0.02358, 0.06727)  | 14.2 (7.4, 23.4)    | 0.0008043 (0.0004169, 0.0013247) | 0.02654 (0.01400, 0.04324) |
| Maluku   | Chronic respiratory diseases                  | 60  | 47.3 (25.1, 78.7)  | 0.0026375 (0.0014021, 0.0043877) | 0.09957 (0.05496, 0.15409)  | 38.9 (19.7, 64.2)   | 0.0022047 (0.0011176, 0.0036409) | 0.07269 (0.03811, 0.11885) |
| Maluku   | Other non-communicable diseases               | 60  | 40.8 (25.3, 60.8)  | 0.0022747 (0.0014127, 0.0033928) | 0.08602 (0.05751, 0.12281)  | 50.1 (32.5, 73.0)   | 0.0028368 (0.0018400, 0.0041362) | 0.09354 (0.06162, 0.13269) |
| Maluku   | Drowning                                      | 60  | 0.5 (0.1, 1.5)     | 0.0000293 (0.0000059, 0.0000838) | 0.00111 (0.00022, 0.00320)  | 0.3 (0.1, 0.9)      | 0.0000165 (0.0000029, 0.0000491) | 0.00054 (0.00010, 0.00161) |
| Maluku   | Falls                                         | 60  | 3.3 (1.1, 6.9)     | 0.000186 (0.0000609, 0.0003854)  | 0.00702 (0.00241, 0.01483)  | 2.2 (0.8, 4.5)      | 0.0001229 (0.0000433, 0.0002553) | 0.00406 (0.00144, 0.00843) |
| Maluku   | Interpersonal violence                        | 60  | 0.5 (0.2, 1.2)     | 0.0000302 (0.0000088, 0.0000665) | 0.00114 (0.00035, 0.00243)  | 0.4 (0.1, 0.9)      | 0.0000221 (0.0000070, 0.0000487) | 0.00073 (0.00023, 0.00158) |
| Maluku   | Self-harm                                     | 60  | 1.6 (0.5, 3.9)     | 0.0000916 (0.0000288, 0.0002166) | 0.00345 (0.00113, 0.00787)  | 0.9 (0.3, 2.6)      | 0.0000536 (0.0000160, 0.0001245) | 0.00177 (0.00056, 0.00402) |
| Maluku   | Transport injuries                            | 60  | 5.1 (2.0, 10.5)    | 0.0002833 (0.0001125, 0.0005879) | 0.01069 (0.00450, 0.02065)  | 2.2 (0.8, 4.6)      | 0.0001251 (0.0000455, 0.0002628) | 0.00412 (0.00156, 0.00856) |
| Maluku   | Other unintentional injuries                  | 60  | 3.0 (1.1, 6.1)     | 0.0001674 (0.0000641, 0.0003398) | 0.00632 (0.00253, 0.01271)  | 1.5 (0.5, 3.1)      | 0.0000843 (0.0000303, 0.0001755) | 0.00278 (0.00107, 0.00567) |
| Maluku   | Diarrheal diseases                            | 65  | 12.4 (4.8, 24.8)   | 0.0010412 (0.0004026, 0.0020815) | 0.02775 (0.01150, 0.05295)  | 20.4 (9.2, 37.6)    | 0.0017504 (0.0007894, 0.0032250) | 0.03903 (0.01853, 0.06962) |
| Maluku   | HIV/AIDS                                      | 65  | 0.2 (0.0, 0.9)     | 0.0000209 (0.0000026, 0.0000748) | 0.00056 (0.000008, 0.00202) | 0.3 (0.0, 1.1)      | 0.000027 (0.0000038, 0.0000979)  | 0.0006 (0.00008, 0.00212)  |
| Maluku   | Lower respiratory infections                  | 65  | 10.4 (3.3, 23.5)   | 0.0008737 (0.0002726, 0.0019666) | 0.02336 (0.00703, 0.05374)  | 12.9 (4.0, 28.8)    | 0.0011091 (0.0003390, 0.0024719) | 0.02471 (0.00749, 0.05443) |
| Maluku   | Malaria                                       | 65  | 4.0 (0.3, 14.7)    | 0.0003365 (0.0000224, 0.0012338) | 0.00894 (0.00057, 0.03137)  | 3.9 (0.2, 14.8)     | 0.0003318 (0.0000193, 0.0012651) | 0.00742 (0.00046, 0.02967) |
| Maluku   | Tuberculosis                                  | 65  | 68.7 (42.1, 100.9) | 0.0057581 (0.0035273, 0.0084634) | 0.15345 (0.10055, 0.21279)  | 65.6 (38.3, 95.2)   | 0.0056189 (0.0032843, 0.0081568) | 0.12516 (0.07664, 0.17880) |
| Maluku   | Other communicable diseases                   | 65  | 5.8 (2.0, 13.2)    | 0.0004824 (0.0001697, 0.0011036) | 0.01283 (0.00463, 0.02797)  | 7.1 (2.8, 15.4)     | 0.0006084 (0.0002389, 0.0013185) | 0.01356 (0.00532, 0.02982) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 65  | 2.2 (0.6, 6.7)     | 0.0001882 (0.0000462, 0.0005588) | 0.005 (0.00126, 0.01370)    | 0.7 (0.2, 2.0)      | 0.0000598 (0.0000138, 0.0001719) | 0.00133 (0.00031, 0.00393) |
| Maluku   | Breast cancer                                 | 65  | 0.3 (0.1, 1.0)     | 0.0000262 (0.0000054, 0.0000810) | 0.0007 (0.00014, 0.00202)   | 13.4 (4.2, 27.2)    | 0.0011477 (0.0003605, 0.0023293) | 0.02557 (0.00803, 0.05065) |
| Maluku   | Cervical cancer                               | 65  |                    |                                  |                             | 6.0 (1.2, 19.6)     | 0.000512 (0.0000993, 0.0016828)  | 0.01142 (0.00221, 0.03642) |
| Maluku   | Other malignant neoplasms                     | 65  | 15.6 (7.1, 29.6)   | 0.0013043 (0.0005984, 0.0024789) | 0.03476 (0.01676, 0.06437)  | 16.9 (6.0, 32.0)    | 0.0014503 (0.0005129, 0.0027439) | 0.03232 (0.01193, 0.06200) |
| Maluku   | Cerebrovascular disease                       | 65  | 81.8 (53.5, 116.4) | 0.0068635 (0.0044901, 0.0097572) | 0.18287 (0.12945, 0.24059)  | 107.6 (74.3, 145.2) | 0.0092192 (0.0063639, 0.0124399) | 0.20538 (0.14933, 0.26665) |
| Maluku   | Ischemic heart disease                        | 65  | 62.9 (38.3, 95.0)  | 0.0052756 (0.0032151, 0.0079665) | 0.14052 (0.09027, 0.19634)  | 54.3 (32.4, 82.3)   | 0.0046501 (0.0027723, 0.0070528) | 0.10358 (0.06377, 0.15419) |
| Maluku   | Other cardiovascular and circulatory diseases | 65  | 30.9 (13.7, 61.2)  | 0.002591 (0.0011463, 0.0051333)  | 0.06904 (0.03211, 0.13189)  | 41.3 (18.6, 76.1)   | 0.0035395 (0.0015905, 0.0065191) | 0.07883 (0.03587, 0.14257) |
| Maluku   | Diabetes mellitus                             | 65  | 23.0 (13.2, 38.1)  | 0.0019297 (0.0011088, 0.0031944) | 0.05136 (0.03145, 0.07950)  | 44.6 (26.3, 69.4)   | 0.0038256 (0.0022509, 0.0059470) | 0.08516 (0.05214, 0.13016) |
| Maluku   | Chronic kidney disease                        | 65  | 11.9 (6.3, 19.4)   | 0.001001 (0.0005312, 0.0016264)  | 0.02664 (0.01469, 0.04101)  | 14.5 (7.9, 24.3)    | 0.0012399 (0.0006751, 0.0020813) | 0.02761 (0.01493, 0.04418) |
| Maluku   | Cirrhosis                                     | 65  | 14.7 (7.9, 24.6)   | 0.0012286 (0.0006583, 0.0020624) | 0.03272 (0.01760, 0.05260)  | 11.0 (5.6, 18.3)    | 0.0009385 (0.0004816, 0.0015722) | 0.02092 (0.01095, 0.03454) |
| Maluku   | Chronic respiratory diseases                  | 65  | 48.9 (26.5, 78.9)  | 0.0040973 (0.0022205, 0.0066191) | 0.10897 (0.06276, 0.16582)  | 42.3 (22.4, 69.1)   | 0.0036278 (0.0019169, 0.0059186) | 0.0808 (0.04380, 0.12939)  |
| Maluku   | Other non-communicable diseases               | 65  | 42.6 (26.1, 63.7)  | 0.0035745 (0.0021906, 0.0053377) | 0.0952 (0.06430, 0.13428)   | 54.8 (35.7, 78.3)   | 0.004694 (0.0030619, 0.0067056)  | 0.10456 (0.07019, 0.14522) |
| Maluku   | Drowning                                      | 65  | 0.4 (0.1, 1.2)     | 0.0000317 (0.0000056, 0.0001010) | 0.00084 (0.00015, 0.00260)  | 0.2 (0.0, 0.7)      | 0.000019 (0.0000033, 0.0000598)  | 0.00042 (0.00007, 0.00128) |
| Maluku   | Falls                                         | 65  | 3.1 (1.0, 6.8)     | 0.0002574 (0.0000803, 0.0005668) | 0.00684 (0.00231, 0.01439)  | 2.1 (0.7, 4.4)      | 0.0001789 (0.0000604, 0.0003769) | 0.00399 (0.00138, 0.00824) |
| Maluku   | Interpersonal violence                        | 65  | 0.4 (0.1, 0.9)     | 0.000032 (0.0000080, 0.0000795)  | 0.00085 (0.000022, 0.00196) | 0.3 (0.1, 0.7)      | 0.0000238 (0.0000071, 0.0000559) | 0.00053 (0.00016, 0.00122) |
| Maluku   | Self-harm                                     | 65  | 1.3 (0.4, 3.2)     | 0.0001115 (0.0000349, 0.0002695) | 0.00296 (0.00096, 0.00695)  | 0.8 (0.2, 1.9)      | 0.0000663 (0.0000198, 0.0001632) | 0.00148 (0.00045, 0.00362) |
| Maluku   | Transport injuries                            | 65  | 3.8 (1.3, 8.2)     | 0.0003158 (0.0001129, 0.0006845) | 0.00839 (0.00319, 0.01686)  | 1.7 (0.6, 3.6)      | 0.0001455 (0.0000485, 0.0003102) | 0.00324 (0.00118, 0.00695) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males               |                                  |                            | Females              |                                  |                            |
|----------|-----------------------------------------------|-----|---------------------|----------------------------------|----------------------------|----------------------|----------------------------------|----------------------------|
|          |                                               |     | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku   | Other unintentional injuries                  | 65  | 2.4 (0.9, 5.0)      | 0.0002048 (0.0000740, 0.0004216) | 0.00545 (0.00205, 0.01067) | 1.2 (0.4, 2.7)       | 0.0001069 (0.0000363, 0.0002291) | 0.00238 (0.00087, 0.00485) |
| Maluku   | Diarrheal diseases                            | 70  | 21.1 (9.4, 40.4)    | 0.0022985 (0.0010264, 0.0043958) | 0.03901 (0.01790, 0.07052) | 33.8 (16.2, 60.6)    | 0.0034801 (0.0016698, 0.0062458) | 0.0495 (0.02504, 0.08722)  |
| Maluku   | HIV/AIDS                                      | 70  | 0.4 (0.1, 1.4)      | 0.0000435 (0.0000056, 0.0001506) | 0.00074 (0.00009, 0.00273) | 0.5 (0.1, 1.9)       | 0.0000544 (0.0000074, 0.0001963) | 0.00077 (0.00010, 0.00292) |
| Maluku   | Lower respiratory infections                  | 70  | 16.0 (5.0, 34.7)    | 0.0017418 (0.0005424, 0.0037820) | 0.02967 (0.00923, 0.06736) | 20.6 (6.4, 46.9)     | 0.0021193 (0.0006565, 0.0048295) | 0.03011 (0.00942, 0.06778) |
| Maluku   | Malaria                                       | 70  | 4.7 (0.3, 18.5)     | 0.0005079 (0.0000297, 0.0020087) | 0.00858 (0.00050, 0.03320) | 4.6 (0.2, 18.1)      | 0.000469 (0.0000249, 0.0018600)  | 0.00669 (0.00035, 0.02736) |
| Maluku   | Tuberculosis                                  | 70  | 84.7 (51.4, 123.3)  | 0.0092239 (0.0055952, 0.0134229) | 0.15664 (0.10123, 0.21652) | 88.7 (51.8, 131.9)   | 0.0091405 (0.0053358, 0.0135856) | 0.12988 (0.07970, 0.18586) |
| Maluku   | Other communicable diseases                   | 70  | 7.4 (2.7, 16.4)     | 0.0008011 (0.0002890, 0.0017806) | 0.01358 (0.00503, 0.03054) | 8.7 (3.3, 18.9)      | 0.0009007 (0.0003353, 0.0019441) | 0.0128 (0.00484, 0.02857)  |
| Maluku   | Tracheal, bronchus, and lung cancer           | 70  | 1.9 (0.5, 5.6)      | 0.0002068 (0.0000507, 0.0006094) | 0.0035 (0.00089, 0.00971)  | 0.7 (0.2, 2.3)       | 0.0000771 (0.0000176, 0.0002328) | 0.00109 (0.00025, 0.00319) |
| Maluku   | Breast cancer                                 | 70  | 0.3 (0.0, 0.8)      | 0.0000283 (0.0000052, 0.0000919) | 0.00048 (0.00009, 0.00149) | 11.1 (3.4, 23.2)     | 0.0011422 (0.0003525, 0.0023917) | 0.01625 (0.00502, 0.03446) |
| Maluku   | Cervical cancer                               | 70  |                     |                                  |                            | 4.3 (0.7, 15.1)      | 0.0004461 (0.0000752, 0.0015557) | 0.00635 (0.00107, 0.02302) |
| Maluku   | Other malignant neoplasms                     | 70  | 14.0 (6.4, 27.3)    | 0.0015207 (0.0006966, 0.0029693) | 0.02583 (0.01222, 0.04818) | 18.0 (7.0, 35.1)     | 0.0018494 (0.0007201, 0.0036193) | 0.0263 (0.01036, 0.05142)  |
| Maluku   | Cerebrovascular disease                       | 70  | 97.5 (63.0, 138.2)  | 0.0106146 (0.0068623, 0.0150447) | 0.18021 (0.12662, 0.23754) | 141.5 (99.2, 189.3)  | 0.0145798 (0.0102192, 0.0195050) | 0.20723 (0.14967, 0.26917) |
| Maluku   | Ischemic heart disease                        | 70  | 70.0 (42.9, 106.9)  | 0.0076209 (0.0046660, 0.0116425) | 0.12932 (0.08323, 0.18275) | 71.3 (43.0, 107.6)   | 0.0073485 (0.0044251, 0.0110814) | 0.10443 (0.06451, 0.15353) |
| Maluku   | Other cardiovascular and circulatory diseases | 70  | 39.3 (17.8, 75.8)   | 0.0042784 (0.0019395, 0.0082479) | 0.07266 (0.03456, 0.13597) | 57.3 (26.4, 102.9)   | 0.0058996 (0.0027158, 0.0106017) | 0.08383 (0.04011, 0.15092) |
| Maluku   | Diabetes mellitus                             | 70  | 19.9 (11.2, 32.7)   | 0.002168 (0.0012144, 0.0035629)  | 0.03679 (0.02194, 0.05744) | 43.6 (25.0, 69.4)    | 0.0044949 (0.0025747, 0.0071519) | 0.06383 (0.03777, 0.09917) |
| Maluku   | Chronic kidney disease                        | 70  | 12.1 (6.5, 19.6)    | 0.0013174 (0.0007042, 0.0021386) | 0.02234 (0.01261, 0.03432) | 16.6 (9.0, 27.4)     | 0.0017074 (0.0009222, 0.0028249) | 0.02426 (0.01328, 0.03903) |
| Maluku   | Cirrhosis                                     | 70  | 14.4 (7.6, 24.1)    | 0.0015643 (0.0008237, 0.0026287) | 0.02654 (0.01428, 0.04262) | 11.7 (6.0, 19.5)     | 0.0012008 (0.0006130, 0.0020067) | 0.01707 (0.00895, 0.02863) |
| Maluku   | Chronic respiratory diseases                  | 70  | 70.0 (39.5, 109.7)  | 0.007626 (0.0042993, 0.0119391)  | 0.12924 (0.07695, 0.19030) | 65.5 (35.4, 102.0)   | 0.0067457 (0.0036518, 0.0105078) | 0.09585 (0.05304, 0.14623) |
| Maluku   | Other non-communicable diseases               | 70  | 54.7 (33.9, 80.7)   | 0.0059535 (0.0036929, 0.0087803) | 0.10103 (0.06782, 0.14195) | 77.1 (50.4, 108.8)   | 0.0079397 (0.0051885, 0.0112104) | 0.11282 (0.07752, 0.15693) |
| Maluku   | Drowning                                      | 70  | 0.7 (0.1, 2.2)      | 0.0000774 (0.0000160, 0.0002419) | 0.00131 (0.00027, 0.00404) | 0.4 (0.1, 1.3)       | 0.0000417 (0.0000083, 0.0001306) | 0.00059 (0.00012, 0.00176) |
| Maluku   | Falls                                         | 70  | 3.9 (1.2, 8.3)      | 0.0004203 (0.0001319, 0.0008998) | 0.00711 (0.00241, 0.01448) | 2.6 (0.9, 5.4)       | 0.0002721 (0.0000939, 0.0005563) | 0.00387 (0.00134, 0.00806) |
| Maluku   | Interpersonal violence                        | 70  | 0.3 (0.1, 0.8)      | 0.0000341 (0.0000082, 0.0000838) | 0.00058 (0.00015, 0.00134) | 0.3 (0.1, 0.6)       | 0.0000258 (0.0000065, 0.0000610) | 0.00037 (0.00009, 0.00088) |
| Maluku   | Self-harm                                     | 70  | 1.3 (0.4, 3.1)      | 0.0001399 (0.0000416, 0.0003406) | 0.00237 (0.00073, 0.00571) | 0.8 (0.2, 2.1)       | 0.0000858 (0.0000243, 0.0002196) | 0.00122 (0.00035, 0.00302) |
| Maluku   | Transport injuries                            | 70  | 4.1 (1.4, 8.7)      | 0.000443 (0.0001503, 0.0009502)  | 0.0075 (0.00272, 0.01525)  | 1.9 (0.6, 4.2)       | 0.0001943 (0.0000634, 0.0004340) | 0.00276 (0.00097, 0.00604) |
| Maluku   | Other unintentional injuries                  | 70  | 2.7 (1.0, 5.4)      | 0.0002938 (0.0001114, 0.0005931) | 0.00498 (0.00193, 0.00983) | 1.5 (0.5, 3.1)       | 0.0001499 (0.0000531, 0.0003149) | 0.00213 (0.00081, 0.00435) |
| Maluku   | Diarrheal diseases                            | 75  | 18.5 (8.0, 34.4)    | 0.0037619 (0.0016374, 0.0070070) | 0.04561 (0.02177, 0.08267) | 41.1 (20.6, 70.8)    | 0.0062393 (0.0031320, 0.0107577) | 0.05902 (0.03084, 0.10129) |
| Maluku   | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.9)      | 0.0000497 (0.0000057, 0.0001926) | 0.0006 (0.00007, 0.00229)  | 0.4 (0.1, 1.6)       | 0.0000657 (0.0000082, 0.0002427) | 0.00062 (0.00008, 0.00224) |
| Maluku   | Lower respiratory infections                  | 75  | 12.6 (4.1, 27.9)    | 0.0025693 (0.0008360, 0.0056907) | 0.03127 (0.01002, 0.06967) | 22.9 (7.4, 51.0)     | 0.0034782 (0.0011241, 0.0077566) | 0.03287 (0.01071, 0.07373) |
| Maluku   | Malaria                                       | 75  | 3.7 (0.2, 14.5)     | 0.0007535 (0.0000435, 0.0029570) | 0.00911 (0.00053, 0.03407) | 4.7 (0.2, 19.4)      | 0.0007219 (0.0000377, 0.0029480) | 0.00685 (0.00037, 0.02804) |
| Maluku   | Tuberculosis                                  | 75  | 58.2 (33.6, 88.0)   | 0.0118651 (0.0068494, 0.0179232) | 0.14396 (0.08987, 0.20578) | 80.3 (45.3, 122.8)   | 0.0122107 (0.0068794, 0.0186575) | 0.11541 (0.06733, 0.17388) |
| Maluku   | Other non-communicable diseases               | 75  | 5.2 (1.8, 12.0)     | 0.0010502 (0.0003696, 0.0024473) | 0.01271 (0.00473, 0.02822) | 8.7 (3.4, 18.8)      | 0.0013215 (0.0005133, 0.0028642) | 0.0125 (0.00487, 0.02726)  |
| Maluku   | Tracheal, bronchus, and lung cancer           | 75  | 1.2 (0.3, 3.5)      | 0.0002345 (0.0000549, 0.0007085) | 0.00283 (0.00069, 0.00797) | 0.6 (0.1, 1.8)       | 0.0000892 (0.0000198, 0.0002705) | 0.00084 (0.00019, 0.00257) |
| Maluku   | Breast cancer                                 | 75  | 0.1 (0.0, 0.5)      | 0.0000268 (0.0000042, 0.0000944) | 0.00032 (0.00005, 0.00105) | 7.4 (2.0, 16.1)      | 0.0011203 (0.0003092, 0.0024539) | 0.0106 (0.00306, 0.02340)  |
| Maluku   | Cervical cancer                               | 75  |                     |                                  |                            | 2.6 (0.4, 9.7)       | 0.0004018 (0.0000622, 0.0014818) | 0.0038 (0.00060, 0.01443)  |
| Maluku   | Other malignant neoplasms                     | 75  | 8.1 (3.6, 15.7)     | 0.0016458 (0.0007366, 0.0031957) | 0.01997 (0.00921, 0.03679) | 15.7 (6.5, 30.6)     | 0.0023874 (0.0009832, 0.0046518) | 0.02257 (0.00922, 0.04348) |
| Maluku   | Cerebrovascular disease                       | 75  | 71.8 (45.8, 103.7)  | 0.0146287 (0.0093326, 0.0211399) | 0.17747 (0.12421, 0.23424) | 145.4 (102.2, 194.7) | 0.0220959 (0.0155303, 0.0295977) | 0.20889 (0.15196, 0.27264) |
| Maluku   | Ischemic heart disease                        | 75  | 56.8 (34.2, 87.2)   | 0.0115745 (0.0069737, 0.0177674) | 0.14034 (0.09105, 0.19413) | 79.6 (48.7, 116.0)   | 0.0120938 (0.0074026, 0.0176305) | 0.11431 (0.07126, 0.16543) |
| Maluku   | Other cardiovascular and circulatory diseases | 75  | 30.2 (13.5, 59.4)   | 0.0061635 (0.0027463, 0.0121014) | 0.07481 (0.03508, 0.13855) | 60.0 (27.6, 105.8)   | 0.0091132 (0.0041910, 0.0160819) | 0.08613 (0.04019, 0.15568) |
| Maluku   | Diabetes mellitus                             | 75  | 12.6 (6.9, 21.1)    | 0.0025591 (0.0014041, 0.0042920) | 0.03102 (0.01847, 0.04811) | 37.5 (21.6, 59.0)    | 0.0056965 (0.0032791, 0.0089649) | 0.05381 (0.03131, 0.08496) |
| Maluku   | Chronic kidney disease                        | 75  | 8.3 (4.3, 13.5)     | 0.0016821 (0.0008778, 0.0027418) | 0.02039 (0.01173, 0.03125) | 15.1 (8.2, 24.7)     | 0.0022936 (0.0012460, 0.0037545) | 0.02168 (0.01172, 0.03496) |
| Maluku   | Cirrhosis                                     | 75  | 9.2 (4.7, 16.0)     | 0.0018806 (0.0009589, 0.0032670) | 0.02279 (0.01246, 0.03745) | 10.5 (5.4, 17.5)     | 0.0015946 (0.0008184, 0.0026562) | 0.01508 (0.00794, 0.02534) |
| Maluku   | Chronic respiratory diseases                  | 75  | 52.8 (29.1, 84.9)   | 0.0107578 (0.0059203, 0.0172997) | 0.13024 (0.07728, 0.18825) | 66.3 (35.9, 102.8)   | 0.0100813 (0.0054589, 0.0156234) | 0.09526 (0.05260, 0.14568) |
| Maluku   | Other non-communicable diseases               | 75  | 46.4 (28.1, 69.2)   | 0.009458 (0.0057315, 0.0140970)  | 0.11468 (0.07815, 0.15964) | 90.0 (61.0, 125.4)   | 0.0136747 (0.0092671, 0.0190636) | 0.12923 (0.08831, 0.17856) |
| Maluku   | Drowning                                      | 75  | 0.7 (0.1, 2.0)      | 0.0001345 (0.0000267, 0.0004146) | 0.00163 (0.00033, 0.00472) | 0.6 (0.1, 1.7)       | 0.0000855 (0.0000173, 0.0002550) | 0.00081 (0.00016, 0.00238) |
| Maluku   | Falls                                         | 75  | 3.2 (1.0, 6.9)      | 0.0006341 (0.0002080, 0.0013988) | 0.00777 (0.00276, 0.01613) | 3.1 (1.1, 6.4)       | 0.0004732 (0.0001719, 0.0009723) | 0.00447 (0.00163, 0.00898) |
| Maluku   | Interpersonal violence                        | 75  | 0.2 (0.0, 0.5)      | 0.0000369 (0.0000066, 0.0001100) | 0.00045 (0.00008, 0.00124) | 0.2 (0.0, 0.5)       | 0.0000281 (0.0000056, 0.0000796) | 0.00027 (0.00006, 0.00077) |
| Maluku   | Self-harm                                     | 75  | 0.9 (0.2, 2.3)      | 0.0001853 (0.0000506, 0.0004626) | 0.00224 (0.00064, 0.00551) | 0.7 (0.2, 1.9)       | 0.0001131 (0.0000313, 0.0002886) | 0.00107 (0.00030, 0.00274) |
| Maluku   | Transport injuries                            | 75  | 2.1 (0.7, 4.8)      | 0.0004321 (0.0001409, 0.0009797) | 0.00523 (0.00180, 0.01153) | 1.4 (0.4, 3.1)       | 0.000209 (0.0000632, 0.0004712)  | 0.00198 (0.00063, 0.00438) |
| Maluku   | Other unintentional injuries                  | 75  | 1.8 (0.7, 4.1)      | 0.0003767 (0.0001359, 0.0008319) | 0.00457 (0.00169, 0.00962) | 1.4 (0.5, 2.9)       | 0.0002056 (0.0000701, 0.0004480) | 0.00194 (0.00071, 0.00421) |
| Maluku   | Diarrheal diseases                            | 80  | 52.1 (27.7, 87.1)   | 0.0129933 (0.0069048, 0.0217312) | 0.08473 (0.04736, 0.13776) | 94.4 (52.7, 151.7)   | 0.0180193 (0.0100564, 0.0289657) | 0.09162 (0.05328, 0.14586) |
| Maluku   | HIV/AIDS                                      | 80  | 0.4 (0.0, 1.7)      | 0.0001018 (0.0000104, 0.0004125) | 0.00066 (0.00007, 0.00267) | 0.7 (0.1, 2.6)       | 0.0001288 (0.0000126, 0.0005015) | 0.00065 (0.00006, 0.00258) |
| Maluku   | Lower respiratory infections                  | 80  | 25.7 (8.7, 55.1)    | 0.0064107 (0.0021667, 0.0137585) | 0.04191 (0.01419, 0.09073) | 40.0 (13.8, 85.9)    | 0.0076429 (0.0026348, 0.0164050) | 0.03883 (0.01314, 0.08598) |
| Maluku   | Malaria                                       | 80  | 6.4 (0.3, 26.9)     | 0.0016047 (0.0000779, 0.0067113) | 0.01044 (0.00051, 0.04410) | 7.9 (0.4, 33.2)      | 0.0015007 (0.0000714, 0.0063445) | 0.00764 (0.00038, 0.03318) |
| Maluku   | Tuberculosis                                  | 80  | 84.3 (49.3, 125.4)  | 0.0210356 (0.0123055, 0.0313015) | 0.13729 (0.08103, 0.20372) | 119.4 (67.0, 184.4)  | 0.0227972 (0.0127820, 0.0352029) | 0.11585 (0.06560, 0.17732) |
| Maluku   | Other communicable diseases                   | 80  | 10.5 (4.1, 22.7)    | 0.002615 (0.0010319, 0.0056623)  | 0.01703 (0.00676, 0.03649) | 13.8 (5.5, 30.6)     | 0.0026412 (0.0010585, 0.0058344) | 0.01342 (0.00549, 0.02944) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 80  | 1.3 (0.3, 3.8)      | 0.0003156 (0.0000777, 0.0009559) | 0.00206 (0.00050, 0.00601) | 0.7 (0.1, 2.3)       | 0.0001336 (0.0000285, 0.0004313) | 0.00068 (0.00015, 0.00223) |
| Maluku   | Breast cancer                                 | 80  | 0.1 (0.0, 0.5)      | 0.0000326 (0.0000047, 0.0001168) | 0.00021 (0.00003, 0.00077) | 7.2 (1.9, 17.6)      | 0.0013832 (0.0003595, 0.0033696) | 0.00704 (0.00187, 0.01705) |
| Maluku   | Cervical cancer                               | 80  |                     |                                  |                            | 2.2 (0.3, 8.6)       | 0.0004247 (0.0000556, 0.0016480) | 0.00216 (0.00029, 0.00845) |
| Maluku   | Other malignant neoplasms                     | 80  | 9.3 (4.1, 18.0)     | 0.0023254 (0.0010153, 0.0045033) | 0.01517 (0.00673, 0.02814) | 18.3 (7.4, 37.1)     | 0.0034984 (0.0014085, 0.0070769) | 0.01778 (0.00717, 0.03518) |
| Maluku   | Cerebrovascular disease                       | 80  | 107.0 (72.8, 146.0) | 0.0267125 (0.0181558, 0.0364351) | 0.17427 (0.12276, 0.23232) | 210.5 (151.3, 277.4) | 0.0401864 (0.0288800, 0.0529586) | 0.20427 (0.14785, 0.26702) |
| Maluku   | Ischemic heart disease                        | 80  | 73.8 (45.8, 109.9)  | 0.018415 (0.0114286, 0.0274275)  | 0.1201 (0.07607, 0.17046)  | 112.2 (68.4, 167.0)  | 0.0214155 (0.0130664, 0.0318843) | 0.10885 (0.06719, 0.15949) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                  |                                  |                             | Females                |                                  |                            |
|--------------|----------------------------------------------------------|-----|------------------------|----------------------------------|-----------------------------|------------------------|----------------------------------|----------------------------|
|              |                                                          |     | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku       | Other cardiovascular and circulatory diseases            | 80  | 40.9 (18.6, 80.1)      | 0.0102194 (0.0046428, 0.0200021) | 0.06669 (0.03031, 0.12830)  | 80.7 (35.9, 146.6)     | 0.0154095 (0.0068508, 0.0279954) | 0.07832 (0.03608, 0.14241) |
| Maluku       | Diabetes mellitus                                        | 80  | 14.2 (8.3, 23.4)       | 0.0035511 (0.0020675, 0.0058417) | 0.02316 (0.01362, 0.03655)  | 43.8 (25.3, 72.2)      | 0.0083526 (0.0048389, 0.0137867) | 0.04244 (0.02426, 0.06975) |
| Maluku       | Chronic kidney disease                                   | 80  | 9.4 (5.1, 15.3)        | 0.0023473 (0.0012641, 0.0038085) | 0.01531 (0.00859, 0.02367)  | 18.3 (9.9, 30.1)       | 0.0035031 (0.0018890, 0.0057468) | 0.0178 (0.00962, 0.02905)  |
| Maluku       | Cirrhosis                                                | 80  | 11.8 (6.3, 19.8)       | 0.0029532 (0.0015795, 0.0049326) | 0.01926 (0.01044, 0.03142)  | 12.6 (6.5, 20.9)       | 0.0024044 (0.0012430, 0.0039946) | 0.01222 (0.00634, 0.02059) |
| Maluku       | Chronic respiratory diseases                             | 80  | 77.6 (44.8, 118.4)     | 0.0193746 (0.0111785, 0.0295498) | 0.12624 (0.07494, 0.18240)  | 95.3 (52.1, 148.6)     | 0.0181981 (0.0099536, 0.0283717) | 0.09248 (0.05143, 0.14166) |
| Maluku       | Other non-communicable diseases                          | 80  | 74.9 (49.3, 106.0)     | 0.0186837 (0.0122974, 0.0264527) | 0.12187 (0.08287, 0.16775)  | 142.1 (97.6, 194.5)    | 0.0271376 (0.0186237, 0.0371382) | 0.1379 (0.09502, 0.18721)  |
| Maluku       | Drowning                                                 | 80  | 1.1 (0.2, 3.4)         | 0.0002826 (0.0000542, 0.0008386) | 0.00184 (0.00034, 0.00551)  | 0.7 (0.1, 2.2)         | 0.0001318 (0.0000236, 0.0004120) | 0.00067 (0.00012, 0.00207) |
| Maluku       | Falls                                                    | 80  | 6.7 (2.4, 13.5)        | 0.0016773 (0.0006062, 0.0033746) | 0.01092 (0.00418, 0.02177)  | 5.2 (2.0, 10.4)        | 0.0009912 (0.0003804, 0.0019856) | 0.00504 (0.00186, 0.01026) |
| Maluku       | Interpersonal violence                                   | 80  | 0.2 (0.0, 0.6)         | 0.000046 (0.0000053, 0.0001445)  | 0.0003 (0.00004, 0.00094)   | 0.2 (0.0, 0.6)         | 0.0000384 (0.0000049, 0.0001222) | 0.0002 (0.00003, 0.00064)  |
| Maluku       | Self-harm                                                | 80  | 1.1 (0.3, 2.8)         | 0.0002702 (0.0000707, 0.0006985) | 0.00176 (0.00046, 0.00471)  | 1.0 (0.3, 2.7)         | 0.0001873 (0.0000492, 0.0005165) | 0.00095 (0.00024, 0.00256) |
| Maluku       | Transport injuries                                       | 80  | 2.9 (0.8, 6.8)         | 0.0007135 (0.0002070, 0.0017092) | 0.00464 (0.00141, 0.01039)  | 1.6 (0.4, 3.7)         | 0.0002988 (0.0000821, 0.0007127) | 0.00152 (0.00042, 0.00362) |
| Maluku       | Other unintentional injuries                             | 80  | 2.5 (0.9, 5.5)         | 0.000634 (0.0002148, 0.0013804)  | 0.00414 (0.00139, 0.00886)  | 1.7 (0.5, 3.9)         | 0.0003267 (0.0000989, 0.0007538) | 0.00166 (0.00051, 0.00377) |
| Maluku       | Diarrheal diseases                                       | All | 269.0 (143.3, 451.7)   | 0.00032 (0.0001705, 0.0005372)   | 0.04852 (0.02615, 0.07850)  | 395.9 (219.5, 626.4)   | 0.0004856 (0.0002692, 0.0007683) | 0.06044 (0.03418, 0.09560) |
| Maluku       | HIV/AIDS                                                 | All | 42.8 (8.9, 117.5)      | 0.0000509 (0.0000106, 0.0001397) | 0.00771 (0.00158, 0.02076)  | 41.9 (8.8, 117.5)      | 0.0000514 (0.0000107, 0.0001441) | 0.00637 (0.00132, 0.01774) |
| Maluku       | Lower respiratory infections                             | All | 244.8 (115.6, 434.8)   | 0.0002911 (0.0001374, 0.0005172) | 0.0442 (0.02035, 0.07777)   | 244.6 (101.9, 450.9)   | 0.0003 (0.0001249, 0.0005530)    | 0.03733 (0.01619, 0.07204) |
| Maluku       | Malaria                                                  | All | 72.5 (4.8, 255.9)      | 0.0000862 (0.0000057, 0.0003044) | 0.01301 (0.000088, 0.04391) | 71.4 (4.5, 262.6)      | 0.0000875 (0.0000055, 0.0003221) | 0.01091 (0.00067, 0.04148) |
| Maluku       | Tuberculosis                                             | All | 812.0 (506.0, 1,166.6) | 0.0009658 (0.0006018, 0.0013876) | 0.14612 (0.09589, 0.20596)  | 799.9 (480.7, 1,172.0) | 0.0009811 (0.0005895, 0.0014375) | 0.12189 (0.07637, 0.17674) |
| Maluku       | Maternal disorders                                       | All |                        |                                  |                             | 35.5 (16.3, 66.6)      | 0.0000436 (0.0000200, 0.0000816) | 0.0054 (0.00261, 0.00978)  |
| Maluku       | Neonatal encephalopathy due to birth asphyxia and trauma | All | 77.4 (35.2, 136.3)     | 0.0000921 (0.0000418, 0.0001621) | 0.01395 (0.00643, 0.02501)  | 49.6 (22.5, 89.6)      | 0.0000608 (0.0000276, 0.0001098) | 0.00756 (0.00349, 0.01372) |
| Maluku       | Preterm birth complications                              | All | 22.9 (6.5, 52.1)       | 0.0000272 (0.0000077, 0.0000620) | 0.00413 (0.00121, 0.00920)  | 20.2 (6.6, 46.7)       | 0.0000248 (0.0000082, 0.0000573) | 0.00309 (0.00100, 0.00693) |
| Maluku       | Other neonatal disorders                                 | All | 69.0 (13.9, 155.0)     | 0.0000882 (0.0000165, 0.0001843) | 0.01246 (0.00248, 0.02766)  | 47.3 (8.4, 114.3)      | 0.0000558 (0.0000103, 0.0001402) | 0.0072 (0.00135, 0.01755)  |
| Maluku       | Other communicable diseases                              | All | 280.9 (156.2, 460.7)   | 0.0003341 (0.0001857, 0.0005480) | 0.0507 (0.02811, 0.08194)   | 257.7 (139.2, 428.1)   | 0.000316 (0.0001708, 0.0005251)  | 0.03931 (0.02109, 0.06634) |
| Maluku       | Tracheal, bronchus, and lung cancer                      | All | 19.1 (4.7, 55.3)       | 0.0000228 (0.0000056, 0.0000657) | 0.00343 (0.00089, 0.00942)  | 9.1 (2.1, 27.0)        | 0.0000112 (0.0000026, 0.0000331) | 0.00139 (0.00034, 0.00389) |
| Maluku       | Breast cancer                                            | All | 3.3 (0.8, 9.2)         | 0.000004 (0.0000009, 0.0000110)  | 0.0006 (0.00015, 0.00157)   | 212.0 (76.5, 399.4)    | 0.0002601 (0.0000939, 0.0004899) | 0.03227 (0.01182, 0.05982) |
| Maluku       | Cervical cancer                                          | All |                        |                                  |                             | 106.0 (26.1, 293.9)    | 0.0001301 (0.0000320, 0.0003605) | 0.01616 (0.00406, 0.04369) |
| Maluku       | Other malignant neoplasms                                | All | 217.4 (107.8, 398.1)   | 0.0002586 (0.0001282, 0.0004736) | 0.03914 (0.01974, 0.06915)  | 221.1 (89.8, 400.9)    | 0.0002711 (0.0001101, 0.0004916) | 0.03369 (0.01453, 0.05981) |
| Maluku       | Cerebrovascular disease                                  | All | 662.8 (436.9, 950.3)   | 0.0007884 (0.0005196, 0.0011304) | 0.1192 (0.08179, 0.15767)   | 988.8 (673.1, 1,336.5) | 0.0012128 (0.0008255, 0.0016392) | 0.15076 (0.0779, 0.19818)  |
| Maluku       | Ischemic heart disease                                   | All | 574.2 (363.7, 858.1)   | 0.000683 (0.0004326, 0.0010206)  | 0.1033 (0.06684, 0.14406)   | 558.7 (336.2, 831.7)   | 0.0006852 (0.0004123, 0.0010200) | 0.08515 (0.05206, 0.12446) |
| Maluku       | Other cardiovascular and circulatory diseases            | All | 260.0 (115.8, 516.4)   | 0.0003093 (0.0001377, 0.0006143) | 0.0468 (0.02105, 0.09122)   | 397.9 (179.1, 731.5)   | 0.000488 (0.0002197, 0.0008972)  | 0.06063 (0.02793, 0.11185) |
| Maluku       | Diabetes mellitus                                        | All | 201.4 (117.6, 325.8)   | 0.0002396 (0.0001399, 0.0003875) | 0.03621 (0.02207, 0.05583)  | 415.5 (244.8, 652.7)   | 0.0005096 (0.0003003, 0.0008005) | 0.06326 (0.03882, 0.09666) |
| Maluku       | Chronic kidney disease                                   | All | 133.9 (73.6, 212.0)    | 0.0001592 (0.0000876, 0.0002521) | 0.02407 (0.01436, 0.03697)  | 175.5 (95.3, 287.4)    | 0.0002153 (0.0001169, 0.0003525) | 0.02673 (0.01489, 0.04217) |
| Maluku       | Cirrhosis                                                | All | 199.4 (109.4, 323.3)   | 0.0002372 (0.0001302, 0.0003845) | 0.03587 (0.02013, 0.05580)  | 150.2 (76.9, 245.4)    | 0.0001843 (0.0000943, 0.0003010) | 0.02289 (0.01232, 0.03740) |
| Maluku       | Chronic respiratory diseases                             | All | 418.9 (226.1, 684.5)   | 0.0004983 (0.0002690, 0.0008142) | 0.07523 (0.04286, 0.11553)  | 415.1 (219.6, 670.7)   | 0.0005092 (0.0002694, 0.0008226) | 0.06329 (0.03393, 0.10179) |
| Maluku       | Other non-communicable diseases                          | All | 515.7 (346.2, 735.9)   | 0.0006134 (0.0004117, 0.0008753) | 0.09286 (0.06555, 0.12581)  | 722.8 (495.1, 998.8)   | 0.0008865 (0.0006072, 0.0012250) | 0.11018 (0.07828, 0.14793) |
| Maluku       | Drowning                                                 | All | 70.0 (28.0, 138.0)     | 0.0000833 (0.0000333, 0.0001642) | 0.01267 (0.00494, 0.02483)  | 26.7 (8.8, 60.7)       | 0.0000328 (0.0000108, 0.0000745) | 0.00409 (0.00132, 0.00926) |
| Maluku       | Falls                                                    | All | 54.4 (19.2, 110.9)     | 0.0000647 (0.0000228, 0.0001319) | 0.00978 (0.00360, 0.02028)  | 34.4 (11.9, 72.4)      | 0.0000422 (0.0000146, 0.0000888) | 0.00524 (0.00191, 0.01155) |
| Maluku       | Interpersonal violence                                   | All | 18.9 (8.1, 36.4)       | 0.0000225 (0.0000096, 0.0000433) | 0.0034 (0.00149, 0.00643)   | 15.3 (5.8, 32.6)       | 0.0000188 (0.0000071, 0.0000400) | 0.00233 (0.00090, 0.00465) |
| Maluku       | Self-harm                                                | All | 33.4 (12.2, 68.2)      | 0.0000397 (0.0000145, 0.0000811) | 0.006 (0.00236, 0.01183)    | 23.2 (8.0, 50.0)       | 0.0000284 (0.0000098, 0.0000614) | 0.00353 (0.00127, 0.00773) |
| Maluku       | Transport injuries                                       | All | 198.6 (102.4, 329.7)   | 0.0002362 (0.0001218, 0.0003921) | 0.03574 (0.01950, 0.05729)  | 83.4 (37.7, 152.1)     | 0.0001023 (0.0000265, 0.0001866) | 0.0127 (0.00586, 0.02262)  |
| Maluku       | Other unintentional injuries                             | All | 82.8 (38.5, 154.5)     | 0.0000985 (0.0000457, 0.0001837) | 0.01493 (0.00682, 0.02639)  | 40.8 (16.5, 78.3)      | 0.00005 (0.0000202, 0.0000961)   | 0.00621 (0.00265, 0.01186) |
| Maluku Utara | Diarrheal diseases                                       | NN  | 1.6 (0.5, 3.4)         | 0.0016191 (0.0005276, 0.0034534) | 0.0134 (0.00619, 0.02340)   | 1.2 (0.4, 2.7)         | 0.0011652 (0.0003814, 0.0025311) | 0.01572 (0.00748, 0.02768) |
| Maluku Utara | Lower respiratory infections                             | NN  | 14.7 (6.4, 27.3)       | 0.0149548 (0.0065198, 0.0277401) | 0.12411 (0.08026, 0.17890)  | 8.3 (3.5, 16.0)        | 0.0078787 (0.0033409, 0.0151967) | 0.10646 (0.06547, 0.15555) |
| Maluku Utara | Malaria                                                  | NN  | 0.3 (0.0, 1.3)         | 0.0003059 (0.0000254, 0.0013506) | 0.00254 (0.00028, 0.01076)  | 0.2 (0.0, 0.8)         | 0.0001599 (0.0000126, 0.0007370) | 0.00215 (0.00022, 0.00931) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 36.6 (16.5, 62.6)      | 0.0371543 (0.0167788, 0.0635951) | 0.30728 (0.22458, 0.39763)  | 23.1 (10.3, 41.5)      | 0.0218923 (0.0097222, 0.0393711) | 0.29543 (0.21157, 0.38529) |
| Maluku Utara | Preterm birth complications                              | NN  | 19.8 (7.4, 36.5)       | 0.0200568 (0.0075451, 0.0370745) | 0.16594 (0.09599, 0.24249)  | 16.5 (7.1, 31.0)       | 0.0156615 (0.0067611, 0.0294206) | 0.21187 (0.12926, 0.30330) |
| Maluku Utara | Other neonatal disorders                                 | NN  | 24.2 (6.8, 48.0)       | 0.0245575 (0.0069102, 0.0487245) | 0.20265 (0.07252, 0.31971)  | 14.8 (4.2, 32.7)       | 0.0140037 (0.0039932, 0.0309947) | 0.18792 (0.06650, 0.30960) |
| Maluku Utara | Other communicable diseases                              | NN  | 1.3 (0.4, 2.9)         | 0.0013134 (0.0003917, 0.0029861) | 0.01083 (0.00469, 0.02132)  | 0.7 (0.2, 1.7)         | 0.0006752 (0.0000265, 0.0016213) | 0.0091 (0.00392, 0.01778)  |
| Maluku Utara | Other malignant neoplasms                                | NN  | 0.8 (0.2, 2.0)         | 0.0008001 (0.0002171, 0.0019932) | 0.00662 (0.00259, 0.01358)  | 0.6 (0.1, 1.5)         | 0.0005237 (0.0001369, 0.0014334) | 0.00705 (0.00279, 0.01464) |
| Maluku Utara | Cerebrovascular disease                                  | NN  | 0.2 (0.0, 0.5)         | 0.0001551 (0.0000337, 0.0004585) | 0.00127 (0.00037, 0.00311)  | 0.1 (0.0, 0.4)         | 0.0001349 (0.0000305, 0.0003963) | 0.00181 (0.00054, 0.00447) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | NN  | 0.1 (0.0, 0.4)         | 0.0001286 (0.0000193, 0.0004553) | 0.00105 (0.00021, 0.00330)  | 0.1 (0.0, 0.4)         | 0.0001052 (0.0000161, 0.0003514) | 0.0014 (0.00029, 0.00439)  |
| Maluku Utara | Diabetes mellitus                                        | NN  | - (0.0, 0.4)           | 0.0000454 (0.0000002, 0.0004028) | 0.00038 (0.00000, 0.00295)  | - (0.0, 0.4)           | 0.0000441 (0.0000002, 0.0003748) | 0.0006 (0.00000, 0.00441)  |
| Maluku Utara | Other non-communicable diseases                          | NN  | 13.4 (6.3, 22.4)       | 0.0135809 (0.0063743, 0.0227210) | 0.1123 (0.08595, 0.14473)   | 10.8 (4.9, 19.3)       | 0.0102832 (0.0046148, 0.0182796) | 0.13844 (0.01604, 0.17672) |
| Maluku Utara | Drowning                                                 | NN  | 1.5 (0.4, 4.1)         | 0.0015734 (0.0003877, 0.0041907) | 0.01293 (0.00411, 0.03182)  | 0.4 (0.1, 1.0)         | 0.0003396 (0.0000733, 0.0009928) | 0.00456 (0.00127, 0.01233) |
| Maluku Utara | Falls                                                    | NN  | 0.7 (0.2, 2.0)         | 0.0007222 (0.0001703, 0.0020053) | 0.00596 (0.00185, 0.01486)  | 0.2 (0.0, 0.6)         | 0.0002088 (0.0000461, 0.0006052) | 0.00281 (0.00079, 0.00751) |
| Maluku Utara | Interpersonal violence                                   | NN  | 0.4 (0.1, 1.2)         | 0.000425 (0.0000899, 0.0011791)  | 0.00349 (0.00098, 0.00865)  | 0.2 (0.0, 0.6)         | 0.000195 (0.0000435, 0.0005608)  | 0.00263 (0.00071, 0.00667) |
| Maluku Utara | Transport injuries                                       | NN  | 1.0 (0.2, 2.8)         | 0.0010318 (0.0002251, 0.0028834) | 0.00849 (0.00262, 0.02084)  | 0.2 (0.0, 0.7)         | 0.000217 (0.0000471, 0.0006405)  | 0.00292 (0.00082, 0.00740) |
| Maluku Utara | Other unintentional injuries                             | NN  | 2.5 (0.7, 5.9)         | 0.0025166 (0.0007452, 0.0060187) | 0.02075 (0.00858, 0.04090)  | 0.7 (0.2, 1.8)         | 0.0006772 (0.0001991, 0.0016714) | 0.00914 (0.00363, 0.01877) |
| Maluku Utara | Diarrheal diseases                                       | PNN | 17.7 (7.3, 33.0)       | 0.00144 (0.0005934, 0.0026879)   | 0.24728 (0.14026, 0.35212)  | 24.2 (10.1, 45.0)      | 0.0018414 (0.0007655, 0.0034152) | 0.30638 (0.18552, 0.41745) |
| Maluku Utara | HIV/AIDS                                                 | PNN | 1.0 (0.1, 3.8)         | 0.0000846 (0.0000121, 0.0003066) | 0.01448 (0.00255, 0.04706)  | 1.0 (0.1, 3.6)         | 0.0000767 (0.0000099, 0.0002700) | 0.01273 (0.00219, 0.04129) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males             |                                  |                            | Females          |                                   |                            |
|--------------|----------------------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|-----------------------------------|----------------------------|
|              |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                     | CF (95% UI)                |
| Maluku Utara | Lower respiratory infections                             | PNN | 12.2 (5.1, 22.2)  | 0.0009963 (0.0004165, 0.0018077) | 0.17111 (0.10765, 0.24112) | 11.9 (4.9, 23.8) | 0.000903 (0.0003730, 0.0018107)   | 0.1502 (0.09216, 0.21806)  |
| Maluku Utara | Malaria                                                  | PNN | 3.2 (0.3, 12.2)   | 0.0002613 (0.0000254, 0.0009924) | 0.04527 (0.00584, 0.17097) | 3.1 (0.3, 12.5)  | 0.0002384 (0.0000261, 0.0009516)  | 0.04047 (0.00474, 0.15558) |
| Maluku Utara | Tuberculosis                                             | PNN | 3.0 (0.8, 6.6)    | 0.00024 (0.0000657, 0.0005341)   | 0.04148 (0.01376, 0.08568) | 2.9 (0.8, 6.9)   | 0.0002226 (0.0000589, 0.0005263)  | 0.03734 (0.01223, 0.07847) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 1.2 (0.3, 3.1)    | 0.0000968 (0.0000252, 0.0002556) | 0.0166 (0.00574, 0.03909)  | 1.2 (0.3, 3.2)   | 0.0000926 (0.0000222, 0.0002451)  | 0.01526 (0.00508, 0.03523) |
| Maluku Utara | Preterm birth complications                              | PNN | 1.3 (0.4, 3.1)    | 0.0001084 (0.0000313, 0.0002518) | 0.01861 (0.00711, 0.03815) | 2.0 (0.6, 4.9)   | 0.0001547 (0.0000452, 0.0003747)  | 0.02579 (0.00990, 0.05121) |
| Maluku Utara | Other neonatal disorders                                 | PNN | 3.1 (0.5, 9.2)    | 0.0002539 (0.0000394, 0.0007462) | 0.04388 (0.00781, 0.10960) | 3.2 (0.5, 10.1)  | 0.0002416 (0.0000376, 0.0007647)  | 0.03984 (0.00730, 0.10740) |
| Maluku Utara | Other communicable diseases                              | PNN | 15.9 (6.0, 29.5)  | 0.0012914 (0.0004914, 0.0023968) | 0.2213 (0.11971, 0.32484)  | 15.6 (6.2, 30.6) | 0.0011843 (0.0004699, 0.0023245)  | 0.19649 (0.11064, 0.30408) |
| Maluku Utara | Other malignant neoplasms                                | PNN | 0.4 (0.1, 1.1)    | 0.000036 (0.0000107, 0.0000871)  | 0.00617 (0.00238, 0.01254) | 0.5 (0.1, 1.3)   | 0.00004 (0.0000114, 0.0000972)    | 0.00666 (0.00263, 0.01376) |
| Maluku Utara | Cerebrovascular disease                                  | PNN | 0.1 (0.0, 0.2)    | 0.000007 (0.0000016, 0.0000199)  | 0.00119 (0.00034, 0.00293) | 0.1 (0.0, 0.4)   | 0.0000104 (0.0000024, 0.0000287)  | 0.00172 (0.00050, 0.00426) |
| Maluku Utara | Ischemic heart disease                                   | PNN | - (0.0, 0.2)      | 0.0000026 (0.0000002, 0.0000135) | 0.00045 (0.00003, 0.00240) | 0.1 (0.0, 0.3)   | 0.0000039 (0.0000002, 0.0000194)  | 0.00065 (0.00004, 0.00326) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | PNN | 0.1 (0.0, 0.2)    | 0.0000058 (0.0000010, 0.0000195) | 0.00098 (0.00019, 0.00304) | 0.1 (0.0, 0.4)   | 0.000008 (0.0000013, 0.0000270)   | 0.00132 (0.00028, 0.00418) |
| Maluku Utara | Diabetes mellitus                                        | PNN | - (0.0, 0.2)      | 0.0000021 (0.0000000, 0.0000177) | 0.00035 (0.00000, 0.00275) | - (0.0, 0.3)     | 0.0000034 (0.0000000, 0.0000243)  | 0.00056 (0.00000, 0.00415) |
| Maluku Utara | Chronic kidney disease                                   | PNN | 0.6 (0.2, 1.5)    | 0.0000521 (0.0000161, 0.0001217) | 0.0089 (0.00363, 0.01839)  | 0.8 (0.2, 1.9)   | 0.000057 (0.0000175, 0.0001472)   | 0.00944 (0.00375, 0.01961) |
| Maluku Utara | Other non-communicable diseases                          | PNN | 7.5 (3.5, 12.9)   | 0.0006065 (0.0002828, 0.0010508) | 0.10423 (0.07822, 0.13428) | 10.3 (4.6, 19.0) | 0.0007832 (0.0003490, 0.0014400)  | 0.13029 (0.09942, 0.16756) |
| Maluku Utara | Drowning                                                 | PNN | 1.1 (0.3, 2.8)    | 0.0000869 (0.0000213, 0.0002284) | 0.01495 (0.00488, 0.03641) | 0.4 (0.1, 1.2)   | 0.0000321 (0.0000074, 0.0000877)  | 0.00533 (0.00156, 0.01377) |
| Maluku Utara | Falls                                                    | PNN | 0.5 (0.1, 1.3)    | 0.0000386 (0.0000101, 0.0001044) | 0.00662 (0.00208, 0.01625) | 0.2 (0.1, 0.7)   | 0.000019 (0.0000045, 0.0000526)   | 0.00315 (0.00091, 0.00825) |
| Maluku Utara | Interpersonal violence                                   | PNN | 0.3 (0.1, 0.8)    | 0.0000223 (0.0000049, 0.0000623) | 0.00379 (0.00110, 0.00914) | 0.2 (0.1, 0.6)   | 0.0000172 (0.0000039, 0.0000461)  | 0.00289 (0.00081, 0.00708) |
| Maluku Utara | Transport injuries                                       | PNN | 0.7 (0.2, 1.9)    | 0.0000569 (0.0000135, 0.0001568) | 0.00969 (0.00311, 0.02313) | 0.3 (0.1, 0.8)   | 0.0000202 (0.0000049, 0.0000583)  | 0.00337 (0.00098, 0.00851) |
| Maluku Utara | Other unintentional injuries                             | PNN | 1.6 (0.5, 3.8)    | 0.0001321 (0.0000431, 0.0003112) | 0.02268 (0.00960, 0.04434) | 0.8 (0.3, 1.8)   | 0.0000602 (0.0000199, 0.0001363)  | 0.0101 (0.00405, 0.02092)  |
| Maluku Utara | Diarrheal diseases                                       | 1   | 4.9 (1.7, 11.2)   | 0.0000832 (0.0000295, 0.0001914) | 0.14545 (0.07911, 0.21796) | 4.8 (1.8, 10.7)  | 0.0000854 (0.0000319, 0.0001912)  | 0.1942 (0.11398, 0.27855)  |
| Maluku Utara | HIV/AIDS                                                 | 1   | 0.6 (0.1, 1.9)    | 0.0000096 (0.0000015, 0.0000318) | 0.01703 (0.00307, 0.05457) | 0.4 (0.1, 1.5)   | 0.0000073 (0.0000010, 0.0000262)  | 0.0167 (0.00283, 0.05335)  |
| Maluku Utara | Lower respiratory infections                             | 1   | 6.7 (2.4, 14.6)   | 0.0001136 (0.0000411, 0.0002487) | 0.19781 (0.12423, 0.27834) | 4.8 (1.8, 9.9)   | 0.0000854 (0.0000324, 0.0001776)  | 0.19391 (0.12106, 0.27697) |
| Maluku Utara | Malaria                                                  | 1   | 0.8 (0.1, 3.8)    | 0.0000131 (0.0000010, 0.0000640) | 0.02238 (0.00262, 0.08663) | 0.5 (0.0, 2.6)   | 0.0000096 (0.0000008, 0.0000463)  | 0.02151 (0.00245, 0.08563) |
| Maluku Utara | Tuberculosis                                             | 1   | 1.7 (0.5, 4.2)    | 0.0000293 (0.0000077, 0.0000723) | 0.05149 (0.01703, 0.09956) | 1.3 (0.3, 3.1)   | 0.0000227 (0.0000058, 0.0000559)  | 0.05178 (0.01727, 0.10486) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 0.4 (0.1, 1.0)    | 0.000006 (0.0000014, 0.0000175)  | 0.01045 (0.00333, 0.02404) | 0.2 (0.1, 0.7)   | 0.0000044 (0.0000010, 0.0000128)  | 0.00993 (0.00322, 0.02265) |
| Maluku Utara | Preterm birth complications                              | 1   | 0.1 (0.0, 0.3)    | 0.0000013 (0.0000002, 0.0000045) | 0.00224 (0.00043, 0.00705) | 0.1 (0.0, 0.3)   | 0.0000014 (0.0000002, 0.0000052)  | 0.00322 (0.00060, 0.01035) |
| Maluku Utara | Other neonatal disorders                                 | 1   | 0.1 (0.0, 1.1)    | 0.0000023 (0.0000000, 0.0000194) | 0.00395 (0.00003, 0.02858) | 0.1 (0.0, 0.8)   | 0.0000017 (0.0000000, 0.0000138)  | 0.00364 (0.00003, 0.02796) |
| Maluku Utara | Other communicable diseases                              | 1   | 9.3 (3.5, 19.4)   | 0.0001583 (0.0000604, 0.0003296) | 0.27726 (0.18114, 0.37168) | 6.7 (2.6, 13.9)  | 0.0001192 (0.0000462, 0.0002490)  | 0.2712 (0.17335, 0.36526)  |
| Maluku Utara | Other malignant neoplasms                                | 1   | 0.2 (0.0, 0.4)    | 0.0000027 (0.0000007, 0.0000071) | 0.00472 (0.00177, 0.00985) | 0.2 (0.0, 0.4)   | 0.0000028 (0.0000007, 0.0000071)  | 0.00629 (0.00245, 0.01277) |
| Maluku Utara | Cerebrovascular disease                                  | 1   | - (0.0, 0.1)      | 0.0000006 (0.0000001, 0.0000016) | 0.001 (0.00026, 0.00257)   | - (0.0, 0.1)     | 0.0000008 (0.0000002, 0.0000023)  | 0.00178 (0.00050, 0.00437) |
| Maluku Utara | Ischemic heart disease                                   | 1   | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000011) | 0.00038 (0.00003, 0.00186) | - (0.0, 0.1)     | 0.0000003 (0.0000000, 0.0000015)  | 0.00068 (0.00005, 0.00324) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | 1   | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000015) | 0.00077 (0.00015, 0.00230) | - (0.0, 0.1)     | 0.0000006 (0.0000001, 0.0000018)  | 0.00127 (0.00026, 0.00404) |
| Maluku Utara | Diabetes mellitus                                        | 1   | - (0.0, 0.1)      | 0.0000002 (0.0000000, 0.0000012) | 0.00027 (0.00000, 0.00190) | - (0.0, 0.1)     | 0.0000002 (0.0000000, 0.0000018)  | 0.00054 (0.00000, 0.00393) |
| Maluku Utara | Chronic kidney disease                                   | 1   | 0.2 (0.1, 0.6)    | 0.0000038 (0.0000010, 0.0000097) | 0.0066 (0.00262, 0.01431)  | 0.2 (0.1, 0.5)   | 0.0000038 (0.0000010, 0.0000095)  | 0.00862 (0.00345, 0.01855) |
| Maluku Utara | Cirrhosis                                                | 1   | 0.3 (0.1, 0.8)    | 0.0000047 (0.0000011, 0.0000135) | 0.00823 (0.00278, 0.01916) | 0.2 (0.0, 0.4)   | 0.0000028 (0.0000007, 0.0000075)  | 0.00631 (0.00212, 0.01486) |
| Maluku Utara | Chronic respiratory diseases                             | 1   | 0.8 (0.2, 2.1)    | 0.0000133 (0.0000036, 0.0000351) | 0.02302 (0.00909, 0.04607) | 0.3 (0.1, 1.0)   | 0.0000061 (0.0000015, 0.0000172)  | 0.01379 (0.00483, 0.03179) |
| Maluku Utara | Other non-communicable diseases                          | 1   | 2.7 (1.0, 5.9)    | 0.0000458 (0.0000178, 0.0000997) | 0.08015 (0.05208, 0.11018) | 3.0 (1.3, 6.3)   | 0.0000544 (0.0000231, 0.0001121)  | 0.12333 (0.08912, 0.16448) |
| Maluku Utara | Drowning                                                 | 1   | 1.7 (0.4, 4.3)    | 0.0000285 (0.0000074, 0.0000727) | 0.04982 (0.01799, 0.10204) | 0.5 (0.1, 1.4)   | 0.0000092 (0.0000021, 0.0000252)  | 0.02086 (0.00643, 0.04879) |
| Maluku Utara | Falls                                                    | 1   | 0.5 (0.1, 1.4)    | 0.0000088 (0.0000020, 0.0000245) | 0.01538 (0.00506, 0.03560) | 0.2 (0.0, 0.6)   | 0.0000037 (0.0000008, 0.0000110)  | 0.00854 (0.00228, 0.02048) |
| Maluku Utara | Interpersonal violence                                   | 1   | 0.2 (0.1, 0.7)    | 0.0000041 (0.0000010, 0.0000115) | 0.00723 (0.00237, 0.01592) | 0.2 (0.0, 0.5)   | 0.0000029 (0.0000006, 0.0000081)  | 0.00645 (0.00202, 0.01474) |
| Maluku Utara | Transport injuries                                       | 1   | 1.0 (0.2, 2.7)    | 0.0000164 (0.0000042, 0.0000459) | 0.02874 (0.01025, 0.06369) | 0.3 (0.1, 0.9)   | 0.0000052 (0.0000012, 0.0000153)  | 0.01172 (0.00364, 0.02888) |
| Maluku Utara | Other unintentional injuries                             | 1   | 1.5 (0.5, 3.8)    | 0.0000261 (0.0000080, 0.0000650) | 0.04559 (0.02040, 0.08636) | 0.6 (0.2, 1.5)   | 0.0000105 (0.0000029, 0.0000262)  | 0.02373 (0.00912, 0.04730) |
| Maluku Utara | Diarrheal diseases                                       | 5   | 8.9 (4.5, 14.4)   | 0.0001264 (0.0000644, 0.0002048) | 0.10419 (0.05429, 0.16596) | 9.2 (5.0, 14.0)  | 0.0001378 (0.0000751, 0.0002098)  | 0.14895 (0.08082, 0.22431) |
| Maluku Utara | HIV/AIDS                                                 | 5   | 0.7 (0.1, 2.4)    | 0.0000104 (0.0000015, 0.0000337) | 0.00859 (0.00127, 0.02857) | 0.5 (0.1, 1.8)   | 0.0000082 (0.0000011, 0.0000266)  | 0.00885 (0.00126, 0.02916) |
| Maluku Utara | Lower respiratory infections                             | 5   | 8.1 (4.3, 13.2)   | 0.0001157 (0.0000615, 0.0001878) | 0.0954 (0.05091, 0.15354)  | 6.1 (3.2, 9.8)   | 0.0000916 (0.0000480, 0.0001473)  | 0.09897 (0.05212, 0.15857) |
| Maluku Utara | Malaria                                                  | 5   | 1.3 (0.2, 5.4)    | 0.0000192 (0.0000022, 0.0000771) | 0.01578 (0.00186, 0.06362) | 1.0 (0.1, 3.9)   | 0.0000149 (0.0000018, 0.0000578)  | 0.01616 (0.00192, 0.06251) |
| Maluku Utara | Tuberculosis                                             | 5   | 3.0 (1.0, 5.9)    | 0.0000427 (0.0000141, 0.0000837) | 0.0352 (0.01157, 0.06964)  | 2.3 (0.8, 4.7)   | 0.0000346 (0.0000115, 0.0000702)  | 0.03739 (0.01241, 0.07464) |
| Maluku Utara | Other communicable diseases                              | 5   | 16.8 (10.2, 23.8) | 0.0002383 (0.0001448, 0.0003385) | 0.19652 (0.12361, 0.27466) | 12.7 (7.5, 18.0) | 0.0001901 (0.0001126, 0.0002698)  | 0.20547 (0.12387, 0.29027) |
| Maluku Utara | Other malignant neoplasms                                | 5   | 2.6 (1.1, 5.1)    | 0.0000366 (0.0000155, 0.0000729) | 0.03022 (0.01293, 0.05955) | 2.7 (1.2, 5.0)   | 0.0000042 (0.00000179, 0.0000745) | 0.04351 (0.01922, 0.08284) |
| Maluku Utara | Cerebrovascular disease                                  | 5   | 0.4 (0.2, 0.8)    | 0.0000055 (0.0000021, 0.0000116) | 0.00451 (0.00178, 0.00948) | 0.5 (0.1, 1.0)   | 0.0000079 (0.0000034, 0.0000150)  | 0.00855 (0.00370, 0.01615) |
| Maluku Utara | Ischemic heart disease                                   | 5   | 0.2 (0.1, 0.4)    | 0.0000024 (0.0000007, 0.0000059) | 0.00201 (0.00061, 0.00470) | 0.2 (0.1, 0.6)   | 0.0000035 (0.0000012, 0.0000083)  | 0.00381 (0.00124, 0.00894) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | 5   | 0.3 (0.1, 0.9)    | 0.0000047 (0.0000012, 0.0000126) | 0.0039 (0.00096, 0.01015)  | 0.4 (0.1, 1.0)   | 0.0000064 (0.0000018, 0.0000155)  | 0.00687 (0.00193, 0.01667) |
| Maluku Utara | Diabetes mellitus                                        | 5   | 0.3 (0.1, 0.7)    | 0.0000041 (0.0000012, 0.0000101) | 0.00339 (0.00103, 0.00839) | 0.5 (0.1, 1.1)   | 0.0000068 (0.0000021, 0.0000165)  | 0.00735 (0.00224, 0.01814) |
| Maluku Utara | Chronic kidney disease                                   | 5   | 1.2 (0.5, 2.4)    | 0.0000176 (0.0000074, 0.0000347) | 0.01452 (0.00612, 0.02855) | 1.3 (0.5, 2.4)   | 0.000019 (0.0000079, 0.0000365)   | 0.02061 (0.00865, 0.03965) |
| Maluku Utara | Cirrhosis                                                | 5   | 2.0 (0.9, 3.7)    | 0.0000282 (0.0000122, 0.0000530) | 0.02324 (0.01000, 0.04390) | 1.2 (0.5, 2.3)   | 0.000018 (0.0000082, 0.0000349)   | 0.01947 (0.00860, 0.03777) |
| Maluku Utara | Chronic respiratory diseases                             | 5   | 1.7 (0.7, 3.4)    | 0.0000237 (0.0000097, 0.0000482) | 0.01958 (0.00800, 0.03901) | 0.8 (0.3, 1.7)   | 0.0000114 (0.0000042, 0.0000252)  | 0.01237 (0.00461, 0.02704) |
| Maluku Utara | Other non-communicable diseases                          | 5   | 6.7 (4.0, 9.9)    | 0.0000957 (0.0000564, 0.0001403) | 0.07898 (0.04747, 0.11591) | 8.1 (5.1, 11.5)  | 0.0001214 (0.0000770, 0.0001729)  | 0.13129 (0.08580, 0.18564) |
| Maluku Utara | Drowning                                                 | 5   | 15.3 (7.9, 23.7)  | 0.0002176 (0.0001116, 0.0003362) | 0.17951 (0.09214, 0.27600) | 6.7 (2.9, 11.7)  | 0.000101 (0.0000435, 0.0001751)   | 0.10919 (0.04757, 0.19099) |
| Maluku Utara | Falls                                                    | 5   | 2.5 (0.9, 5.2)    | 0.0000352 (0.0000133, 0.0000744) | 0.02901 (0.01121, 0.06023) | 1.3 (0.4, 3.0)   | 0.0000202 (0.0000066, 0.0000456)  | 0.02178 (0.00725, 0.05025) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                   |                             | Females           |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|-----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                     | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Interpersonal violence                        | 5   | 0.5 (0.2, 1.1)    | 0.0000074 (0.0000029, 0.0000155)  | 0.00607 (0.00236, 0.01261)  | 0.5 (0.2, 1.0)    | 0.0000068 (0.0000024, 0.0000147) | 0.00731 (0.00259, 0.01577) |
| Maluku Utara | Transport injuries                            | 5   | 8.9 (3.9, 15.9)   | 0.0001261 (0.0000558, 0.0002252)  | 0.10403 (0.04559, 0.18671)  | 3.7 (1.4, 7.3)    | 0.0000554 (0.0000208, 0.0001090) | 0.05991 (0.02264, 0.11842) |
| Maluku Utara | Other unintentional injuries                  | 5   | 3.9 (1.9, 7.2)    | 0.000055 (0.0000265, 0.0001027)   | 0.04536 (0.02187, 0.08519)  | 2.0 (0.8, 4.1)    | 0.0000298 (0.0000119, 0.0000611) | 0.0322 (0.01311, 0.06573)  |
| Maluku Utara | Diarrheal diseases                            | 10  | 3.3 (1.4, 6.0)    | 0.000053 (0.0000219, 0.0000947)   | 0.05256 (0.02220, 0.09375)  | 4.6 (2.0, 7.9)    | 0.0000788 (0.0000334, 0.0001345) | 0.0765 (0.03337, 0.13194)  |
| Maluku Utara | HIV/AIDS                                      | 10  | 0.5 (0.1, 1.6)    | 0.0000081 (0.0000012, 0.0000260)  | 0.00807 (0.00117, 0.02539)  | 0.5 (0.1, 1.7)    | 0.0000088 (0.0000014, 0.0000290) | 0.00859 (0.00132, 0.02809) |
| Maluku Utara | Lower respiratory infections                  | 10  | 3.7 (1.6, 6.7)    | 0.0000579 (0.0000252, 0.0001061)  | 0.05753 (0.02516, 0.10578)  | 3.6 (1.5, 6.6)    | 0.0000607 (0.0000254, 0.0001133) | 0.059 (0.02487, 0.11055)   |
| Maluku Utara | Malaria                                       | 10  | 1.8 (0.3, 6.1)    | 0.0000283 (0.0000046, 0.0000962)  | 0.02803 (0.00448, 0.09353)  | 1.8 (0.3, 6.3)    | 0.000031 (0.0000052, 0.000068)   | 0.03012 (0.00499, 0.10240) |
| Maluku Utara | Tuberculosis                                  | 10  | 4.5 (1.9, 7.7)    | 0.0000711 (0.0000296, 0.0001229)  | 0.07063 (0.02997, 0.12284)  | 4.7 (2.1, 8.2)    | 0.0000798 (0.0000353, 0.0001399) | 0.0775 (0.03456, 0.13308)  |
| Maluku Utara | Maternal disorders                            | 10  |                   |                                   |                             | 0.2 (0.0, 0.6)    | 0.0000039 (0.0000006, 0.0000108) | 0.00373 (0.00062, 0.01089) |
| Maluku Utara | Other communicable diseases                   | 10  | 9.4 (5.0, 14.2)   | 0.0001489 (0.0000793, 0.0002255)  | 0.14779 (0.07796, 0.22459)  | 9.2 (4.8, 14.0)   | 0.0001562 (0.0000811, 0.0002391) | 0.15177 (0.07897, 0.22967) |
| Maluku Utara | Other malignant neoplasms                     | 10  | 2.8 (1.3, 5.2)    | 0.0000442 (0.0000205, 0.0000821)  | 0.0439 (0.02010, 0.08064)   | 4.1 (2.0, 7.1)    | 0.0000699 (0.0000337, 0.0001216) | 0.06787 (0.03357, 0.11520) |
| Maluku Utara | Cerebrovascular disease                       | 10  | 0.5 (0.2, 0.9)    | 0.0000079 (0.0000036, 0.0000149)  | 0.00787 (0.00360, 0.01486)  | 0.9 (0.4, 1.6)    | 0.0000152 (0.0000073, 0.0000270) | 0.01474 (0.00710, 0.02614) |
| Maluku Utara | Ischemic heart disease                        | 10  | 0.3 (0.1, 0.7)    | 0.0000053 (0.0000022, 0.0000114)  | 0.00523 (0.00224, 0.01107)  | 0.6 (0.3, 1.2)    | 0.00001 (0.0000045, 0.0000207)   | 0.00974 (0.00446, 0.01986) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 10  | 0.4 (0.1, 0.9)    | 0.0000061 (0.0000019, 0.0000147)  | 0.0061 (0.00192, 0.01440)   | 0.7 (0.2, 1.5)    | 0.0000113 (0.0000037, 0.0000253) | 0.01096 (0.00371, 0.02457) |
| Maluku Utara | Diabetes mellitus                             | 10  | 0.3 (0.1, 0.6)    | 0.0000005 (0.00000020, 0.0000099) | 0.00494 (0.00202, 0.00975)  | 0.7 (0.3, 1.3)    | 0.0000114 (0.0000047, 0.0000229) | 0.01104 (0.00469, 0.02217) |
| Maluku Utara | Chronic kidney disease                        | 10  | 1.3 (0.6, 2.3)    | 0.0000209 (0.0000096, 0.0000371)  | 0.02079 (0.00974, 0.03670)  | 1.9 (0.8, 3.4)    | 0.0000317 (0.0000145, 0.0000573) | 0.03074 (0.01493, 0.05465) |
| Maluku Utara | Cirrhosis                                     | 10  | 1.8 (0.9, 3.1)    | 0.0000281 (0.0000140, 0.0000498)  | 0.02787 (0.01378, 0.04878)  | 1.4 (0.7, 2.6)    | 0.0000242 (0.0000117, 0.0000441) | 0.02353 (0.01140, 0.04289) |
| Maluku Utara | Chronic respiratory diseases                  | 10  | 2.1 (1.0, 3.8)    | 0.0000336 (0.0000152, 0.0000608)  | 0.03339 (0.01517, 0.05896)  | 1.4 (0.6, 2.7)    | 0.0000239 (0.0000097, 0.0000459) | 0.02319 (0.00959, 0.04470) |
| Maluku Utara | Other non-communicable diseases               | 10  | 6.2 (3.9, 8.7)    | 0.0000982 (0.0000620, 0.0001376)  | 0.09746 (0.06133, 0.13693)  | 9.8 (6.5, 13.6)   | 0.0001663 (0.0001109, 0.0002319) | 0.16156 (0.10577, 0.22166) |
| Maluku Utara | Drowning                                      | 10  | 6.9 (2.9, 12.2)   | 0.0001101 (0.0000457, 0.0001932)  | 0.10928 (0.04550, 0.18982)  | 3.5 (1.1, 7.0)    | 0.0000596 (0.0000194, 0.0001188) | 0.0579 (0.01943, 0.11760)  |
| Maluku Utara | Falls                                         | 10  | 1.8 (0.7, 4.0)    | 0.000029 (0.0000106, 0.0000631)   | 0.02883 (0.01034, 0.06262)  | 1.2 (0.4, 2.8)    | 0.0000205 (0.0000068, 0.0000471) | 0.01987 (0.00689, 0.04678) |
| Maluku Utara | Interpersonal violence                        | 10  | 0.6 (0.3, 1.2)    | 0.0000102 (0.0000048, 0.0000190)  | 0.01016 (0.00488, 0.01912)  | 0.7 (0.3, 1.4)    | 0.0000125 (0.0000055, 0.0000236) | 0.01213 (0.00536, 0.02349) |
| Maluku Utara | Self-harm                                     | 10  | 1.2 (0.5, 2.6)    | 0.0000191 (0.0000071, 0.0000406)  | 0.01895 (0.00691, 0.04116)  | 1.2 (0.4, 2.6)    | 0.00002 (0.0000068, 0.0000445)   | 0.01941 (0.00652, 0.04194) |
| Maluku Utara | Transport injuries                            | 10  | 10.9 (5.9, 17.1)  | 0.0001727 (0.0000937, 0.0002708)  | 0.17141 (0.09433, 0.26898)  | 5.8 (2.7, 10.7)   | 0.0000995 (0.0000464, 0.0001822) | 0.09666 (0.04493, 0.17880) |
| Maluku Utara | Other unintentional injuries                  | 10  | 3.1 (1.6, 5.4)    | 0.0000496 (0.0000253, 0.0000854)  | 0.04921 (0.02564, 0.08575)  | 2.0 (0.9, 3.8)    | 0.0000344 (0.0000154, 0.0000656) | 0.03341 (0.01495, 0.06330) |
| Maluku Utara | Diarrheal diseases                            | 15  | 1.3 (0.4, 2.9)    | 0.0000243 (0.0000072, 0.0000553)  | 0.01874 (0.00552, 0.04019)  | 2.3 (0.7, 5.1)    | 0.0000466 (0.0000135, 0.0001011) | 0.02637 (0.00768, 0.05581) |
| Maluku Utara | HIV/AIDS                                      | 15  | 0.4 (0.0, 1.4)    | 0.0000073 (0.0000009, 0.0000270)  | 0.00564 (0.00070, 0.02118)  | 0.5 (0.1, 1.9)    | 0.0000103 (0.0000012, 0.0000373) | 0.00582 (0.00069, 0.02151) |
| Maluku Utara | Lower respiratory infections                  | 15  | 1.4 (0.5, 3.1)    | 0.0000267 (0.0000090, 0.0000593)  | 0.02064 (0.00697, 0.04622)  | 1.6 (0.5, 3.8)    | 0.0000326 (0.0000109, 0.0000749) | 0.01849 (0.00604, 0.04148) |
| Maluku Utara | Malaria                                       | 15  | 2.7 (0.6, 6.6)    | 0.0000502 (0.0000105, 0.0001241)  | 0.03868 (0.00838, 0.09514)  | 3.6 (0.7, 9.2)    | 0.000072 (0.0000147, 0.0001820)  | 0.04083 (0.00837, 0.10105) |
| Maluku Utara | Tuberculosis                                  | 15  | 6.6 (3.3, 10.5)   | 0.0001246 (0.0000619, 0.0001988)  | 0.09611 (0.05048, 0.14827)  | 8.2 (4.0, 13.6)   | 0.0001622 (0.0000803, 0.0002709) | 0.09181 (0.04634, 0.14947) |
| Maluku Utara | Maternal disorders                            | 15  |                   |                                   |                             | 2.0 (0.7, 4.1)    | 0.0000398 (0.0000143, 0.0000815) | 0.02254 (0.00822, 0.04640) |
| Maluku Utara | Other communicable diseases                   | 15  | 4.3 (1.4, 7.9)    | 0.0000814 (0.0000269, 0.0001498)  | 0.06282 (0.02013, 0.11162)  | 5.4 (1.6, 10.1)   | 0.000107 (0.0000326, 0.0002006)  | 0.06065 (0.01928, 0.11245) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 15  | 0.2 (0.0, 0.6)    | 0.0000031 (0.0000006, 0.0000107)  | 0.00235 (0.00046, 0.00790)  | 0.1 (0.0, 0.4)    | 0.0000029 (0.0000005, 0.0000089) | 0.00163 (0.00029, 0.00486) |
| Maluku Utara | Breast cancer                                 | 15  | - (0.0, 0.1)      | 0.0000003 (0.0000000, 0.0000011)  | 0.00021 (0.00002, 0.00085)  | 0.9 (0.2, 2.5)    | 0.0000187 (0.0000037, 0.0000499) | 0.01058 (0.00229, 0.02782) |
| Maluku Utara | Cervical cancer                               | 15  |                   |                                   |                             | 0.5 (0.1, 1.7)    | 0.0000093 (0.0000011, 0.0000344) | 0.00526 (0.00064, 0.01931) |
| Maluku Utara | Other malignant neoplasms                     | 15  | 2.6 (1.1, 4.7)    | 0.0000489 (0.0000216, 0.0000896)  | 0.03777 (0.01737, 0.06791)  | 6.3 (2.8, 11.2)   | 0.0001249 (0.0000560, 0.0002233) | 0.07067 (0.03320, 0.12469) |
| Maluku Utara | Cerebrovascular disease                       | 15  | 0.8 (0.4, 1.6)    | 0.0000159 (0.0000077, 0.0000295)  | 0.01228 (0.00595, 0.02152)  | 1.8 (0.9, 3.2)    | 0.0000357 (0.0000169, 0.0000638) | 0.02021 (0.00991, 0.03534) |
| Maluku Utara | Ischemic heart disease                        | 15  | 1.0 (0.5, 1.9)    | 0.0000196 (0.0000088, 0.0000361)  | 0.01514 (0.00717, 0.02752)  | 1.8 (0.8, 3.4)    | 0.0000363 (0.0000167, 0.0000673) | 0.02054 (0.00957, 0.03832) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 15  | 0.5 (0.2, 1.3)    | 0.0000103 (0.0000034, 0.0000241)  | 0.00797 (0.00274, 0.01881)  | 1.3 (0.4, 3.0)    | 0.0000256 (0.0000079, 0.0000602) | 0.01447 (0.00469, 0.03300) |
| Maluku Utara | Diabetes mellitus                             | 15  | 0.4 (0.2, 0.9)    | 0.0000081 (0.0000034, 0.0000170)  | 0.00627 (0.00280, 0.01277)  | 1.3 (0.5, 2.6)    | 0.0000257 (0.0000105, 0.0000519) | 0.01451 (0.00609, 0.02947) |
| Maluku Utara | Chronic kidney disease                        | 15  | 1.7 (0.8, 3.0)    | 0.0000318 (0.0000148, 0.0000559)  | 0.02458 (0.01182, 0.04153)  | 3.4 (1.5, 6.1)    | 0.000067 (0.0000308, 0.0001210)  | 0.03787 (0.01792, 0.06723) |
| Maluku Utara | Cirrhosis                                     | 15  | 1.8 (0.9, 3.1)    | 0.0000335 (0.0000164, 0.0000587)  | 0.02585 (0.01319, 0.04553)  | 2.0 (0.9, 3.9)    | 0.0000395 (0.0000188, 0.0000771) | 0.02236 (0.01085, 0.04256) |
| Maluku Utara | Chronic respiratory diseases                  | 15  | 1.5 (0.6, 2.9)    | 0.0000283 (0.0000114, 0.0000550)  | 0.0219 (0.00879, 0.04215)   | 1.7 (0.6, 3.5)    | 0.000034 (0.0000122, 0.0000703)  | 0.01925 (0.00678, 0.03977) |
| Maluku Utara | Other non-communicable diseases               | 15  | 6.7 (4.3, 9.7)    | 0.0001267 (0.0000820, 0.0001831)  | 0.09784 (0.06604, 0.13478)  | 13.4 (8.8, 19.0)  | 0.0002668 (0.0001743, 0.0003786) | 0.15112 (0.10262, 0.20685) |
| Maluku Utara | Drowning                                      | 15  | 2.7 (0.9, 5.5)    | 0.0000507 (0.0000174, 0.0001031)  | 0.03918 (0.01331, 0.07884)  | 1.7 (0.5, 4.0)    | 0.0000346 (0.0000099, 0.0000785) | 0.01962 (0.00559, 0.04297) |
| Maluku Utara | Falls                                         | 15  | 1.3 (0.5, 2.8)    | 0.0000237 (0.0000091, 0.0000528)  | 0.01827 (0.00711, 0.03896)  | 1.1 (0.4, 2.6)    | 0.0000224 (0.0000076, 0.0000525) | 0.01267 (0.00438, 0.03053) |
| Maluku Utara | Interpersonal violence                        | 15  | 1.3 (0.6, 2.4)    | 0.0000244 (0.0000118, 0.0000445)  | 0.01887 (0.00936, 0.03270)  | 2.1 (0.9, 4.2)    | 0.0000421 (0.0000172, 0.0000837) | 0.02387 (0.00981, 0.04800) |
| Maluku Utara | Self-harm                                     | 15  | 2.1 (0.9, 3.9)    | 0.0000395 (0.0000175, 0.0000743)  | 0.03057 (0.01362, 0.05794)  | 3.0 (1.1, 6.1)    | 0.0000589 (0.0000222, 0.0001211) | 0.0334 (0.01247, 0.06792)  |
| Maluku Utara | Transport injuries                            | 15  | 23.6 (16.7, 32.2) | 0.0004458 (0.0003146, 0.0006085)  | 0.34449 (0.25452, 0.44170)  | 19.4 (11.6, 29.2) | 0.0003848 (0.0002309, 0.0005806) | 0.21798 (0.13485, 0.32569) |
| Maluku Utara | Other unintentional injuries                  | 15  | 3.7 (2.0, 6.4)    | 0.0000696 (0.0000377, 0.0001199)  | 0.05381 (0.02933, 0.09161)  | 3.3 (1.5, 6.3)    | 0.0000661 (0.0000299, 0.0001249) | 0.03747 (0.01724, 0.07013) |
| Maluku Utara | Diarrheal diseases                            | 20  | 1.3 (0.4, 2.7)    | 0.0000264 (0.0000078, 0.0000543)  | 0.01624 (0.00465, 0.03352)  | 2.7 (0.8, 5.7)    | 0.0000548 (0.0000166, 0.0001172) | 0.02257 (0.00662, 0.04630) |
| Maluku Utara | HIV/AIDS                                      | 20  | 1.2 (0.2, 3.9)    | 0.000025 (0.0000038, 0.0000781)   | 0.01536 (0.00245, 0.04709)  | 1.8 (0.3, 5.8)    | 0.0000372 (0.0000059, 0.0001183) | 0.01534 (0.00241, 0.04692) |
| Maluku Utara | Lower respiratory infections                  | 20  | 1.4 (0.5, 3.1)    | 0.0000281 (0.0000096, 0.0000620)  | 0.01736 (0.00608, 0.03958)  | 1.7 (0.6, 3.8)    | 0.0000338 (0.0000115, 0.0000773) | 0.01389 (0.00468, 0.03221) |
| Maluku Utara | Malaria                                       | 20  | 3.3 (0.7, 8.0)    | 0.0000673 (0.0000147, 0.0001620)  | 0.04126 (0.00912, 0.09803)  | 5.0 (1.0, 12.6)   | 0.0001016 (0.0000205, 0.0002573) | 0.04188 (0.00842, 0.10179) |
| Maluku Utara | Tuberculosis                                  | 20  | 12.7 (7.1, 19.3)  | 0.0002569 (0.0001434, 0.0003896)  | 0.15802 (0.09424, 0.22955)  | 15.3 (8.3, 24.2)  | 0.000312 (0.0001706, 0.0004947)  | 0.12834 (0.07038, 0.19584) |
| Maluku Utara | Maternal disorders                            | 20  |                   |                                   |                             | 4.8 (2.0, 9.0)    | 0.0000975 (0.0000403, 0.0001849) | 0.04011 (0.01759, 0.07496) |
| Maluku Utara | Other communicable diseases                   | 20  | 5.7 (1.9, 10.4)   | 0.0001154 (0.0000384, 0.0002098)  | 0.07095 (0.02300, 0.12475)  | 8.1 (2.7, 14.4)   | 0.0001651 (0.0000547, 0.0002938) | 0.06801 (0.02295, 0.11919) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 20  | 0.1 (0.0, 0.4)    | 0.0000023 (0.0000004, 0.0000073)  | 0.00138 (0.000024, 0.00455) | 0.3 (0.1, 0.8)    | 0.0000054 (0.0000012, 0.0000157) | 0.00221 (0.00048, 0.00634) |
| Maluku Utara | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000003 (0.0000000, 0.0000011)  | 0.0002 (0.00003, 0.00071)   | 3.1 (1.0, 6.6)    | 0.0000639 (0.0000207, 0.0001346) | 0.02626 (0.00907, 0.05495) |
| Maluku Utara | Cervical cancer                               | 20  |                   |                                   |                             | 1.1 (0.2, 3.7)    | 0.0000228 (0.0000039, 0.0000760) | 0.00942 (0.00158, 0.03093) |
| Maluku Utara | Other malignant neoplasms                     | 20  | 2.3 (1.1, 4.4)    | 0.0000472 (0.0000213, 0.0000894)  | 0.02911 (0.01346, 0.05308)  | 8.2 (3.7, 14.9)   | 0.000167 (0.0000749, 0.0003040)  | 0.06866 (0.03082, 0.11841) |
| Maluku Utara | Cerebrovascular disease                       | 20  | 1.7 (0.9, 3.0)    | 0.0000347 (0.0000178, 0.0000612)  | 0.02134 (0.01161, 0.03504)  | 3.6 (2.0, 6.1)    | 0.0000739 (0.0000404, 0.0001242) | 0.03045 (0.01648, 0.05063) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Ischemic heart disease                        | 20  | 2.1 (1.0, 3.6)    | 0.0000414 (0.0000199, 0.0000729) | 0.02552 (0.01285, 0.04486) | 2.8 (1.3, 5.1)    | 0.0000564 (0.0000262, 0.0001043) | 0.02321 (0.01091, 0.04088) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 20  | 0.9 (0.3, 1.9)    | 0.0000177 (0.0000065, 0.0000373) | 0.01087 (0.00418, 0.02255) | 2.3 (0.9, 4.9)    | 0.0000473 (0.0000180, 0.0000994) | 0.01945 (0.00757, 0.04074) |
| Maluku Utara | Diabetes mellitus                             | 20  | 0.4 (0.2, 0.9)    | 0.0000083 (0.0000035, 0.0000172) | 0.00515 (0.00233, 0.01035) | 1.4 (0.6, 3.0)    | 0.0000291 (0.0000128, 0.0000613) | 0.01195 (0.00550, 0.02473) |
| Maluku Utara | Chronic kidney disease                        | 20  | 2.6 (1.3, 4.4)    | 0.0000518 (0.0000272, 0.0000889) | 0.03193 (0.01753, 0.05426) | 5.8 (2.9, 10.1)   | 0.000119 (0.0000591, 0.0002065)  | 0.04891 (0.02573, 0.08037) |
| Maluku Utara | Cirrhosis                                     | 20  | 2.9 (1.5, 4.9)    | 0.0000575 (0.0000300, 0.0000984) | 0.03541 (0.01964, 0.05927) | 3.7 (1.9, 6.8)    | 0.0000764 (0.0000383, 0.0001393) | 0.03137 (0.01631, 0.05542) |
| Maluku Utara | Chronic respiratory diseases                  | 20  | 2.9 (1.3, 5.3)    | 0.0000582 (0.0000258, 0.0001066) | 0.03578 (0.01635, 0.06330) | 4.9 (2.1, 9.0)    | 0.0001006 (0.0000424, 0.0001831) | 0.04144 (0.01784, 0.07627) |
| Maluku Utara | Other non-communicable diseases               | 20  | 6.9 (4.3, 10.2)   | 0.0001387 (0.0000863, 0.0002063) | 0.0854 (0.05427, 0.11971)  | 14.6 (9.2, 21.1)  | 0.0002986 (0.0001891, 0.0004324) | 0.12297 (0.08235, 0.17208) |
| Maluku Utara | Drowning                                      | 20  | 2.2 (0.8, 4.8)    | 0.0000441 (0.0000152, 0.0000964) | 0.02719 (0.00922, 0.05552) | 1.4 (0.4, 3.3)    | 0.0000295 (0.0000079, 0.0000679) | 0.01213 (0.00336, 0.02670) |
| Maluku Utara | Falls                                         | 20  | 1.4 (0.5, 3.2)    | 0.0000274 (0.0000102, 0.0000637) | 0.01682 (0.00619, 0.03786) | 1.2 (0.4, 2.9)    | 0.000025 (0.0000083, 0.0000601)  | 0.01032 (0.00345, 0.02430) |
| Maluku Utara | Interpersonal violence                        | 20  | 1.6 (0.8, 3.1)    | 0.0000318 (0.0000153, 0.0000616) | 0.01956 (0.00966, 0.03533) | 2.5 (1.0, 5.0)    | 0.0000505 (0.0000213, 0.0001015) | 0.02084 (0.00873, 0.04146) |
| Maluku Utara | Self-harm                                     | 20  | 2.2 (0.9, 4.1)    | 0.0000435 (0.0000190, 0.0000821) | 0.02687 (0.01209, 0.05137) | 2.9 (1.1, 6.3)    | 0.0000597 (0.0000217, 0.0001281) | 0.0246 (0.00912, 0.05172)  |
| Maluku Utara | Transport injuries                            | 20  | 20.5 (13.3, 30.9) | 0.0004135 (0.0002688, 0.0006227) | 0.25456 (0.17635, 0.35188) | 15.8 (8.3, 26.3)  | 0.0003238 (0.0001695, 0.0005381) | 0.13338 (0.07397, 0.22077) |
| Maluku Utara | Other unintentional injuries                  | 20  | 4.3 (2.3, 7.8)    | 0.0000872 (0.0000456, 0.0001566) | 0.05372 (0.02864, 0.09245) | 3.8 (1.7, 7.2)    | 0.0000783 (0.0000347, 0.0001476) | 0.03228 (0.01452, 0.06221) |
| Maluku Utara | Diarrheal diseases                            | 25  | 2.0 (0.6, 4.2)    | 0.0000395 (0.0000126, 0.0000819) | 0.02042 (0.00657, 0.04196) | 4.6 (1.4, 9.6)    | 0.0000878 (0.0000276, 0.0001838) | 0.02715 (0.00893, 0.05481) |
| Maluku Utara | HIV/AIDS                                      | 25  | 2.5 (0.4, 7.1)    | 0.0000482 (0.0000081, 0.0001390) | 0.02489 (0.00451, 0.06988) | 3.9 (0.7, 11.1)   | 0.0000752 (0.0000133, 0.0002121) | 0.02334 (0.00403, 0.06805) |
| Maluku Utara | Lower respiratory infections                  | 25  | 1.5 (0.5, 3.4)    | 0.0000303 (0.0000102, 0.0000676) | 0.01571 (0.00554, 0.03664) | 2.0 (0.7, 4.9)    | 0.0000392 (0.0000134, 0.0000940) | 0.01214 (0.00407, 0.02870) |
| Maluku Utara | Malaria                                       | 25  | 4.0 (0.9, 9.8)    | 0.0000777 (0.0000177, 0.0001927) | 0.04004 (0.00917, 0.09788) | 6.2 (1.3, 16.2)   | 0.0001191 (0.0000250, 0.0003096) | 0.03692 (0.00802, 0.09366) |
| Maluku Utara | Tuberculosis                                  | 25  | 18.5 (10.1, 27.1) | 0.0003629 (0.0001990, 0.0005324) | 0.18742 (0.11219, 0.26148) | 23.2 (12.1, 36.1) | 0.000445 (0.0002327, 0.0006910)  | 0.13765 (0.07340, 0.20431) |
| Maluku Utara | Maternal disorders                            | 25  |                   |                                  |                            | 8.4 (3.9, 15.2)   | 0.0001601 (0.0000747, 0.0002912) | 0.04954 (0.02407, 0.08620) |
| Maluku Utara | Other communicable diseases                   | 25  | 6.6 (2.2, 12.2)   | 0.0001302 (0.0000425, 0.0002400) | 0.06724 (0.02194, 0.12183) | 10.6 (3.6, 19.2)  | 0.0002031 (0.0000689, 0.0003678) | 0.06286 (0.02224, 0.11101) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 25  | 0.2 (0.0, 0.6)    | 0.0000034 (0.0000005, 0.0000108) | 0.00178 (0.00029, 0.00551) | 0.4 (0.1, 1.3)    | 0.0000082 (0.0000019, 0.0000252) | 0.00254 (0.00059, 0.00721) |
| Maluku Utara | Breast cancer                                 | 25  | - (0.0, 0.1)      | 0.0000004 (0.0000001, 0.0000013) | 0.0002 (0.00003, 0.000069) | 7.6 (2.9, 13.9)   | 0.0001448 (0.0000556, 0.0002672) | 0.04476 (0.01773, 0.08389) |
| Maluku Utara | Cervical cancer                               | 25  |                   |                                  |                            | 2.3 (0.4, 6.8)    | 0.0000437 (0.0000085, 0.0001304) | 0.01357 (0.00270, 0.03884) |
| Maluku Utara | Other malignant neoplasms                     | 25  | 3.7 (1.7, 7.0)    | 0.0000734 (0.0000340, 0.0001366) | 0.03796 (0.01823, 0.06874) | 11.2 (4.8, 20.2)  | 0.0002152 (0.0000926, 0.0003870) | 0.06654 (0.02930, 0.11436) |
| Maluku Utara | Cerebrovascular disease                       | 25  | 3.6 (2.1, 6.0)    | 0.0000699 (0.0000404, 0.0001175) | 0.03613 (0.02139, 0.05694) | 7.9 (4.6, 12.7)   | 0.0001517 (0.0000876, 0.0002434) | 0.04703 (0.02802, 0.07219) |
| Maluku Utara | Ischemic heart disease                        | 25  | 4.4 (2.3, 7.4)    | 0.000087 (0.0000452, 0.0001446)  | 0.04495 (0.02450, 0.07521) | 6.0 (3.0, 10.2)   | 0.0001148 (0.0000567, 0.0001958) | 0.03555 (0.01820, 0.06165) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 25  | 1.4 (0.5, 2.8)    | 0.0000268 (0.0000105, 0.0000556) | 0.01388 (0.00541, 0.02844) | 3.8 (1.5, 8.1)    | 0.0000732 (0.0000283, 0.0001548) | 0.02261 (0.00905, 0.04693) |
| Maluku Utara | Diabetes mellitus                             | 25  | 0.8 (0.4, 1.5)    | 0.0000157 (0.0000074, 0.0000294) | 0.00812 (0.00409, 0.01487) | 2.8 (1.4, 5.2)    | 0.0000539 (0.0000261, 0.0001000) | 0.01667 (0.00851, 0.03107) |
| Maluku Utara | Chronic kidney disease                        | 25  | 3.4 (1.8, 5.7)    | 0.0000659 (0.0000355, 0.0001114) | 0.03407 (0.01876, 0.05606) | 7.7 (4.0, 13.1)   | 0.0001476 (0.0000758, 0.0002515) | 0.04561 (0.02376, 0.07424) |
| Maluku Utara | Cirrhosis                                     | 25  | 4.5 (2.5, 7.5)    | 0.0000883 (0.0000490, 0.0001467) | 0.04566 (0.02670, 0.07486) | 6.3 (3.3, 11.1)   | 0.0001204 (0.0000629, 0.0002129) | 0.0372 (0.02010, 0.06313)  |
| Maluku Utara | Chronic respiratory diseases                  | 25  | 4.1 (1.8, 7.6)    | 0.0000803 (0.0000359, 0.0001489) | 0.04144 (0.01950, 0.07478) | 7.5 (3.2, 13.5)   | 0.0001429 (0.0000612, 0.0002596) | 0.04428 (0.02002, 0.08041) |
| Maluku Utara | Other non-communicable diseases               | 25  | 9.4 (6.0, 13.5)   | 0.0001842 (0.0001175, 0.0002685) | 0.09523 (0.06283, 0.13194) | 21.1 (13.6, 30.4) | 0.0004047 (0.0002608, 0.0005832) | 0.12531 (0.08767, 0.17386) |
| Maluku Utara | Drowning                                      | 25  | 1.5 (0.4, 3.7)    | 0.0000303 (0.0000088, 0.0000685) | 0.01568 (0.00449, 0.03496) | 1.1 (0.3, 2.7)    | 0.0000218 (0.0000057, 0.0000525) | 0.00675 (0.00181, 0.01595) |
| Maluku Utara | Falls                                         | 25  | 2.1 (0.8, 4.5)    | 0.0000404 (0.0000155, 0.0000889) | 0.02085 (0.00844, 0.04379) | 2.0 (0.7, 4.7)    | 0.0000386 (0.0000138, 0.0000909) | 0.01197 (0.00425, 0.02795) |
| Maluku Utara | Interpersonal violence                        | 25  | 1.7 (0.8, 3.3)    | 0.000034 (0.0000154, 0.0000653)  | 0.01758 (0.00821, 0.03235) | 2.6 (1.1, 5.4)    | 0.0000505 (0.0000208, 0.0001031) | 0.01566 (0.00645, 0.03080) |
| Maluku Utara | Self-harm                                     | 25  | 2.2 (1.0, 4.4)    | 0.0000432 (0.0000189, 0.0000870) | 0.02242 (0.00971, 0.04397) | 2.8 (1.1, 6.5)    | 0.0000543 (0.0000203, 0.0001238) | 0.01682 (0.00635, 0.03704) |
| Maluku Utara | Transport injuries                            | 25  | 14.9 (8.2, 24.2)  | 0.0002936 (0.0001614, 0.0004753) | 0.15177 (0.08845, 0.23839) | 11.4 (5.3, 21.2)  | 0.0002182 (0.0001021, 0.0004071) | 0.06761 (0.03282, 0.12326) |
| Maluku Utara | Other unintentional injuries                  | 25  | 5.6 (2.8, 9.9)    | 0.0001094 (0.0000551, 0.0001936) | 0.05657 (0.02897, 0.10072) | 5.0 (2.2, 9.6)    | 0.0000965 (0.0000418, 0.0001847) | 0.02993 (0.01327, 0.05806) |
| Maluku Utara | Diarrheal diseases                            | 30  | 2.0 (0.6, 4.3)    | 0.0000439 (0.0000128, 0.0000927) | 0.02024 (0.00613, 0.04247) | 4.9 (1.6, 10.0)   | 0.0001097 (0.0000358, 0.0002233) | 0.0269 (0.00897, 0.05192)  |
| Maluku Utara | HIV/AIDS                                      | 30  | 2.4 (0.4, 6.7)    | 0.0000514 (0.0000080, 0.0001453) | 0.02371 (0.00395, 0.06420) | 4.0 (0.8, 10.9)   | 0.0000899 (0.0000168, 0.0002442) | 0.02215 (0.00381, 0.06130) |
| Maluku Utara | Lower respiratory infections                  | 30  | 1.4 (0.4, 3.1)    | 0.0000292 (0.0000095, 0.0000663) | 0.0135 (0.00471, 0.03149)  | 2.0 (0.7, 4.6)    | 0.0000442 (0.0000150, 0.0001037) | 0.01084 (0.00368, 0.02538) |
| Maluku Utara | Malaria                                       | 30  | 3.0 (0.7, 7.6)    | 0.0000659 (0.0000148, 0.0001648) | 0.03027 (0.00702, 0.07434) | 4.9 (1.0, 12.9)   | 0.000109 (0.0000220, 0.0002886)  | 0.02679 (0.00540, 0.07116) |
| Maluku Utara | Tuberculosis                                  | 30  | 17.3 (9.4, 25.6)  | 0.0003733 (0.0002039, 0.0005530) | 0.17204 (0.10364, 0.24429) | 22.6 (11.8, 36.1) | 0.000504 (0.0002629, 0.0008054)  | 0.12361 (0.06734, 0.18629) |
| Maluku Utara | Maternal disorders                            | 30  |                   |                                  |                            | 7.5 (3.2, 13.7)   | 0.0001671 (0.0000725, 0.0003052) | 0.04101 (0.01843, 0.07268) |
| Maluku Utara | Other communicable diseases                   | 30  | 4.3 (1.3, 8.4)    | 0.0000919 (0.0000287, 0.0001812) | 0.04233 (0.01319, 0.07918) | 7.3 (2.5, 13.8)   | 0.0001638 (0.0000547, 0.0003073) | 0.0402 (0.01381, 0.07498)  |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 30  | 0.4 (0.1, 1.2)    | 0.0000093 (0.0000017, 0.0000266) | 0.00427 (0.00083, 0.01195) | 0.5 (0.1, 1.4)    | 0.0000108 (0.0000026, 0.0000309) | 0.00264 (0.00063, 0.00731) |
| Maluku Utara | Breast cancer                                 | 30  | - (0.0, 0.1)      | 0.0000006 (0.0000001, 0.0000026) | 0.0003 (0.00004, 0.00125)  | 11.7 (5.2, 20.6)  | 0.0002608 (0.0001165, 0.0004594) | 0.06394 (0.02875, 0.11117) |
| Maluku Utara | Cervical cancer                               | 30  |                   |                                  |                            | 3.1 (0.7, 9.0)    | 0.0000687 (0.0000145, 0.0001998) | 0.01692 (0.00362, 0.04742) |
| Maluku Utara | Other malignant neoplasms                     | 30  | 5.1 (2.4, 9.3)    | 0.0001109 (0.0000528, 0.0002009) | 0.05117 (0.02564, 0.08873) | 11.8 (5.0, 21.5)  | 0.0002624 (0.0001118, 0.0004807) | 0.06434 (0.02732, 0.11447) |
| Maluku Utara | Cerebrovascular disease                       | 30  | 5.8 (3.4, 9.5)    | 0.0001263 (0.0000745, 0.0002044) | 0.05824 (0.03597, 0.08747) | 13.2 (8.1, 20.3)  | 0.0002955 (0.0001817, 0.0004528) | 0.0726 (0.04543, 0.10681)  |
| Maluku Utara | Ischemic heart disease                        | 30  | 6.6 (3.6, 10.7)   | 0.0001418 (0.0000774, 0.0002312) | 0.06539 (0.03888, 0.10131) | 9.1 (4.8, 15.1)   | 0.0002039 (0.0001066, 0.0003372) | 0.05002 (0.02710, 0.08203) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 30  | 1.8 (0.7, 3.6)    | 0.0000379 (0.0000151, 0.0000776) | 0.01753 (0.00714, 0.03651) | 4.9 (1.9, 10.1)   | 0.0001083 (0.0000427, 0.0002244) | 0.02653 (0.01069, 0.05423) |
| Maluku Utara | Diabetes mellitus                             | 30  | 1.3 (0.7, 2.3)    | 0.000029 (0.0000146, 0.0000508)  | 0.0134 (0.00707, 0.02319)  | 4.6 (2.3, 8.1)    | 0.0001023 (0.0000510, 0.0001805) | 0.02506 (0.01341, 0.04439) |
| Maluku Utara | Chronic kidney disease                        | 30  | 3.7 (2.0, 6.2)    | 0.0000806 (0.0000428, 0.0001332) | 0.03718 (0.02057, 0.06043) | 8.2 (4.2, 13.9)   | 0.0001837 (0.0000935, 0.0003107) | 0.0405 (0.02357, 0.07328)  |
| Maluku Utara | Cirrhosis                                     | 30  | 6.0 (3.3, 9.5)    | 0.0001287 (0.0000723, 0.0002061) | 0.05941 (0.03538, 0.09304) | 8.4 (4.6, 14.1)   | 0.0001867 (0.0001015, 0.0003146) | 0.04576 (0.02562, 0.07372) |
| Maluku Utara | Chronic respiratory diseases                  | 30  | 4.5 (2.0, 8.1)    | 0.0000963 (0.0000435, 0.0001751) | 0.04439 (0.02154, 0.07894) | 7.8 (3.3, 14.3)   | 0.0001731 (0.0000746, 0.0003200) | 0.04252 (0.01890, 0.07923) |
| Maluku Utara | Other non-communicable diseases               | 30  | 10.2 (6.4, 14.8)  | 0.0002208 (0.0001388, 0.0003189) | 0.10183 (0.06776, 0.14240) | 23.2 (15.0, 33.8) | 0.0005174 (0.0003352, 0.0007539) | 0.12701 (0.08812, 0.17608) |
| Maluku Utara | Drowning                                      | 30  | 1.7 (0.5, 3.7)    | 0.0000363 (0.0000102, 0.0000796) | 0.01677 (0.00494, 0.03757) | 1.4 (0.3, 3.4)    | 0.0000318 (0.0000078, 0.0000759) | 0.00781 (0.00202, 0.01847) |
| Maluku Utara | Falls                                         | 30  | 2.4 (0.9, 5.3)    | 0.0000514 (0.0000192, 0.0001155) | 0.02373 (0.00909, 0.05275) | 2.6 (0.9, 6.0)    | 0.0000578 (0.0000210, 0.0001338) | 0.0142 (0.00514, 0.03305)  |
| Maluku Utara | Interpersonal violence                        | 30  | 1.3 (0.6, 2.7)    | 0.0000286 (0.0000127, 0.0000581) | 0.01319 (0.00594, 0.02466) | 2.0 (0.8, 4.3)    | 0.0000452 (0.0000183, 0.0000964) | 0.01111 (0.00457, 0.02402) |
| Maluku Utara | Self-harm                                     | 30  | 1.6 (0.7, 3.3)    | 0.0000356 (0.0000152, 0.0000724) | 0.01648 (0.00702, 0.03246) | 2.1 (0.8, 4.7)    | 0.0000468 (0.0000176, 0.0001041) | 0.0115 (0.00438, 0.02501)  |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Transport injuries                            | 30  | 12.5 (6.6, 21.3)  | 0.000271 (0.0001422, 0.0004596)  | 0.12495 (0.06818, 0.20432) | 10.2 (4.5, 19.4)  | 0.0002265 (0.0000999, 0.0004322) | 0.05565 (0.02593, 0.10543) |
| Maluku Utara | Other unintentional injuries                  | 30  | 5.0 (2.5, 9.0)    | 0.0001077 (0.0000536, 0.0001954) | 0.04968 (0.02475, 0.08919) | 4.7 (2.0, 9.3)    | 0.0001054 (0.0000456, 0.0002072) | 0.02591 (0.01121, 0.04999) |
| Maluku Utara | Diarrheal diseases                            | 35  | 1.7 (0.5, 3.7)    | 0.0000425 (0.0000117, 0.0000928) | 0.01537 (0.00446, 0.03147) | 5.3 (1.6, 10.7)   | 0.0001407 (0.0000431, 0.0002845) | 0.02219 (0.00693, 0.04370) |
| Maluku Utara | HIV/AIDS                                      | 35  | 2.0 (0.3, 5.9)    | 0.0000496 (0.0000075, 0.0001452) | 0.01794 (0.00275, 0.05424) | 4.1 (0.7, 12.5)   | 0.0001093 (0.0000193, 0.0003345) | 0.01733 (0.00291, 0.05146) |
| Maluku Utara | Lower respiratory infections                  | 35  | 1.4 (0.4, 3.1)    | 0.0000337 (0.0000106, 0.0000758) | 0.01223 (0.00397, 0.02771) | 2.5 (0.8, 6.0)    | 0.0000676 (0.0000219, 0.0001587) | 0.01066 (0.00355, 0.02411) |
| Maluku Utara | Malaria                                       | 35  | 2.6 (0.5, 7.0)    | 0.0000646 (0.0000136, 0.0001728) | 0.02332 (0.00499, 0.05817) | 5.0 (0.9, 13.7)   | 0.000133 (0.0000251, 0.0003641)  | 0.02104 (0.00412, 0.05713) |
| Maluku Utara | Tuberculosis                                  | 35  | 17.5 (9.6, 26.2)  | 0.0004333 (0.0002378, 0.0006478) | 0.15688 (0.09387, 0.22361) | 26.9 (13.9, 43.4) | 0.000717 (0.0003704, 0.0011584)  | 0.11302 (0.05977, 0.17313) |
| Maluku Utara | Maternal disorders                            | 35  |                   |                                  |                            | 6.6 (2.6, 12.3)   | 0.0001765 (0.0000699, 0.0003291) | 0.02784 (0.01200, 0.05040) |
| Maluku Utara | Other communicable diseases                   | 35  | 3.6 (1.1, 7.2)    | 0.0000899 (0.0000269, 0.0001780) | 0.03254 (0.00938, 0.06194) | 8.1 (2.6, 15.5)   | 0.0002169 (0.0000680, 0.0004143) | 0.03423 (0.01110, 0.06446) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 35  | 0.3 (0.1, 1.0)    | 0.0000085 (0.0000017, 0.0000237) | 0.00307 (0.00065, 0.00799) | 0.7 (0.2, 2.0)    | 0.0000189 (0.0000047, 0.0000527) | 0.00298 (0.00077, 0.00806) |
| Maluku Utara | Breast cancer                                 | 35  | 0.1 (0.0, 0.2)    | 0.0000015 (0.0000002, 0.0000055) | 0.00054 (0.00008, 0.00208) | 18.4 (8.3, 31.5)  | 0.0004904 (0.0002202, 0.0008393) | 0.07726 (0.03543, 0.12880) |
| Maluku Utara | Cervical cancer                               | 35  |                   |                                  |                            | 4.7 (1.0, 13.2)   | 0.0001265 (0.0000271, 0.0003510) | 0.02004 (0.00420, 0.05618) |
| Maluku Utara | Other malignant neoplasms                     | 35  | 7.1 (3.5, 12.3)   | 0.0001749 (0.0000868, 0.0003031) | 0.06337 (0.03218, 0.10691) | 14.4 (5.8, 27.6)  | 0.0003854 (0.0001544, 0.0007370) | 0.06067 (0.02460, 0.11009) |
| Maluku Utara | Cerebrovascular disease                       | 35  | 9.8 (6.0, 15.0)   | 0.0002423 (0.0001479, 0.0003705) | 0.08777 (0.05642, 0.12557) | 24.7 (15.3, 37.0) | 0.0006595 (0.0004090, 0.0009860) | 0.10413 (0.06771, 0.14855) |
| Maluku Utara | Ischemic heart disease                        | 35  | 9.9 (5.5, 15.6)   | 0.0002461 (0.0001370, 0.0003848) | 0.08915 (0.05503, 0.13536) | 15.4 (8.5, 25.6)  | 0.0004108 (0.0002273, 0.0006830) | 0.06474 (0.03723, 0.10104) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 35  | 2.4 (1.0, 4.8)    | 0.0000589 (0.0000235, 0.0001199) | 0.0214 (0.00877, 0.04368)  | 7.1 (2.8, 14.6)   | 0.0001905 (0.0000740, 0.0003902) | 0.02997 (0.01265, 0.05955) |
| Maluku Utara | Diabetes mellitus                             | 35  | 2.6 (1.3, 4.5)    | 0.0000635 (0.0000326, 0.0001102) | 0.023 (0.01272, 0.03926)   | 9.3 (4.8, 16.5)   | 0.0002482 (0.0001285, 0.0004407) | 0.03908 (0.02205, 0.06742) |
| Maluku Utara | Chronic kidney disease                        | 35  | 4.5 (2.4, 7.4)    | 0.0001114 (0.0000594, 0.0001832) | 0.04034 (0.02268, 0.06392) | 10.5 (5.3, 18.1)  | 0.0002791 (0.0001408, 0.0004818) | 0.04391 (0.02366, 0.07181) |
| Maluku Utara | Cirrhosis                                     | 35  | 7.6 (4.4, 12.0)   | 0.0001872 (0.0001095, 0.0002960) | 0.06784 (0.04077, 0.10293) | 11.8 (6.5, 20.2)  | 0.0003153 (0.0001745, 0.0005379) | 0.04964 (0.02828, 0.07839) |
| Maluku Utara | Chronic respiratory diseases                  | 35  | 5.4 (2.6, 10.0)   | 0.0001347 (0.0000632, 0.0002464) | 0.04876 (0.02388, 0.08608) | 9.9 (4.4, 18.0)   | 0.000265 (0.0001178, 0.0004800)  | 0.04184 (0.01969, 0.07522) |
| Maluku Utara | Other non-communicable diseases               | 35  | 11.2 (7.2, 16.6)  | 0.0002783 (0.0001770, 0.0004115) | 0.10082 (0.06839, 0.14166) | 28.2 (17.9, 43.0) | 0.000752 (0.0004766, 0.0011458)  | 0.11862 (0.08164, 0.16732) |
| Maluku Utara | Drowning                                      | 35  | 2.1 (0.6, 4.9)    | 0.0000511 (0.0000156, 0.0001207) | 0.01852 (0.00555, 0.04075) | 2.2 (0.6, 5.5)    | 0.0000598 (0.0000158, 0.0001455) | 0.00946 (0.00259, 0.02206) |
| Maluku Utara | Falls                                         | 35  | 2.4 (0.9, 5.3)    | 0.0000587 (0.0000210, 0.0001320) | 0.02128 (0.00797, 0.04657) | 3.2 (1.1, 7.1)    | 0.0000845 (0.0000294, 0.0001904) | 0.01337 (0.00486, 0.03008) |
| Maluku Utara | Interpersonal violence                        | 35  | 1.1 (0.5, 2.2)    | 0.0000282 (0.0000121, 0.0000554) | 0.01022 (0.00439, 0.01944) | 1.9 (0.8, 4.0)    | 0.0000503 (0.0000207, 0.0001062) | 0.00796 (0.00330, 0.01671) |
| Maluku Utara | Self-harm                                     | 35  | 1.5 (0.6, 3.1)    | 0.0000378 (0.0000154, 0.0000772) | 0.01371 (0.00576, 0.02785) | 2.1 (0.7, 4.7)    | 0.000055 (0.0000199, 0.0001254)  | 0.00869 (0.00316, 0.01857) |
| Maluku Utara | Transport injuries                            | 35  | 10.1 (5.0, 18.1)  | 0.0002487 (0.0001228, 0.0004478) | 0.09008 (0.04554, 0.15758) | 9.5 (3.8, 19.2)   | 0.0002531 (0.0001023, 0.0005121) | 0.03997 (0.01736, 0.08083) |
| Maluku Utara | Other unintentional injuries                  | 35  | 4.7 (2.2, 8.5)    | 0.0001155 (0.0000536, 0.0002102) | 0.04185 (0.01994, 0.07542) | 5.1 (2.1, 10.0)   | 0.0001349 (0.0000572, 0.0002656) | 0.02135 (0.00925, 0.04117) |
| Maluku Utara | Diarrheal diseases                            | 40  | 1.7 (0.5, 3.8)    | 0.0000522 (0.0000145, 0.0001162) | 0.01323 (0.00384, 0.02803) | 5.5 (1.9, 11.4)   | 0.0001822 (0.0000615, 0.0003783) | 0.02183 (0.00740, 0.04182) |
| Maluku Utara | HIV/AIDS                                      | 40  | 1.0 (0.1, 3.3)    | 0.000031 (0.0000044, 0.0001023)  | 0.00787 (0.00116, 0.02467) | 2.1 (0.3, 6.6)    | 0.0000683 (0.0000114, 0.0002188) | 0.00822 (0.00126, 0.02589) |
| Maluku Utara | Lower respiratory infections                  | 40  | 1.3 (0.4, 2.8)    | 0.0000386 (0.0000118, 0.0000855) | 0.00982 (0.00314, 0.02265) | 2.5 (0.8, 5.8)    | 0.0000833 (0.0000264, 0.0001929) | 0.00998 (0.00319, 0.02294) |
| Maluku Utara | Malaria                                       | 40  | 2.5 (0.5, 6.6)    | 0.0000763 (0.0000160, 0.0002027) | 0.0193 (0.00397, 0.04904)  | 4.5 (0.9, 12.7)   | 0.0001483 (0.0000282, 0.0004205) | 0.01779 (0.00338, 0.04903) |
| Maluku Utara | Tuberculosis                                  | 40  | 15.9 (8.7, 23.8)  | 0.0004872 (0.0002659, 0.0007283) | 0.12359 (0.07314, 0.17863) | 22.7 (11.6, 36.9) | 0.0007504 (0.0003856, 0.0012231) | 0.08981 (0.04881, 0.13675) |
| Maluku Utara | Maternal disorders                            | 40  |                   |                                  |                            | 2.4 (0.9, 4.9)    | 0.0000786 (0.0000284, 0.0001627) | 0.00941 (0.00339, 0.01917) |
| Maluku Utara | Other communicable diseases                   | 40  | 3.2 (0.9, 6.5)    | 0.0000984 (0.0000274, 0.0001991) | 0.02494 (0.00715, 0.04806) | 7.8 (2.5, 14.9)   | 0.0002596 (0.0000843, 0.0004931) | 0.03111 (0.01031, 0.05733) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 40  | 0.8 (0.2, 2.3)    | 0.0000249 (0.0000058, 0.0000718) | 0.00631 (0.00150, 0.01690) | 0.8 (0.2, 2.2)    | 0.000027 (0.0000069, 0.0000713)  | 0.00322 (0.00084, 0.00815) |
| Maluku Utara | Breast cancer                                 | 40  | 0.1 (0.0, 0.4)    | 0.0000038 (0.0000007, 0.0000123) | 0.00097 (0.00018, 0.00315) | 21.4 (9.6, 36.4)  | 0.000707 (0.0003187, 0.0012038)  | 0.08455 (0.03811, 0.14295) |
| Maluku Utara | Cervical cancer                               | 40  |                   |                                  |                            | 6.3 (1.5, 17.1)   | 0.0002097 (0.0000482, 0.0005666) | 0.02521 (0.00546, 0.06775) |
| Maluku Utara | Other malignant neoplasms                     | 40  | 9.4 (4.6, 16.5)   | 0.0002885 (0.0001414, 0.0005064) | 0.07324 (0.03813, 0.12276) | 13.8 (5.3, 27.3)  | 0.0004568 (0.0001750, 0.0009028) | 0.05461 (0.02177, 0.10264) |
| Maluku Utara | Cerebrovascular disease                       | 40  | 16.2 (10.4, 24.2) | 0.0004966 (0.0003172, 0.0007408) | 0.12602 (0.08540, 0.17524) | 36.1 (23.8, 51.7) | 0.0011952 (0.0007897, 0.0017116) | 0.14322 (0.09689, 0.19564) |
| Maluku Utara | Ischemic heart disease                        | 40  | 15.9 (9.2, 24.0)  | 0.0004872 (0.0002830, 0.0007344) | 0.12363 (0.07746, 0.17947) | 20.9 (11.7, 34.2) | 0.0006925 (0.0003878, 0.0011323) | 0.08287 (0.04893, 0.12744) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 40  | 3.5 (1.4, 7.2)    | 0.0001087 (0.0000442, 0.0002203) | 0.02763 (0.01175, 0.05591) | 9.0 (3.6, 18.0)   | 0.0002983 (0.0001206, 0.0005954) | 0.03562 (0.01534, 0.07023) |
| Maluku Utara | Diabetes mellitus                             | 40  | 5.5 (3.1, 9.3)    | 0.0001687 (0.0000945, 0.0002850) | 0.04284 (0.02524, 0.07050) | 16.5 (9.0, 27.5)  | 0.0005464 (0.0002973, 0.0009111) | 0.06535 (0.03848, 0.10703) |
| Maluku Utara | Chronic kidney disease                        | 40  | 5.9 (3.2, 9.7)    | 0.0001821 (0.0000967, 0.0002971) | 0.0462 (0.02581, 0.07250)  | 11.2 (5.7, 19.4)  | 0.000371 (0.0001875, 0.0006421)  | 0.04432 (0.02401, 0.07247) |
| Maluku Utara | Cirrhosis                                     | 40  | 9.4 (5.7, 15.0)   | 0.0002881 (0.0001734, 0.0004585) | 0.07314 (0.04384, 0.11219) | 13.1 (7.3, 21.7)  | 0.0004339 (0.0002432, 0.0007195) | 0.05187 (0.02995, 0.08205) |
| Maluku Utara | Chronic respiratory diseases                  | 40  | 6.8 (3.4, 12.6)   | 0.0002093 (0.0001033, 0.0003850) | 0.05311 (0.02616, 0.09237) | 10.6 (4.8, 19.1)  | 0.0003506 (0.0001589, 0.0006331) | 0.04202 (0.01997, 0.07571) |
| Maluku Utara | Other non-communicable diseases               | 40  | 12.9 (8.1, 18.7)  | 0.0003939 (0.0002469, 0.0005740) | 0.09999 (0.06591, 0.13774) | 28.1 (17.8, 42.4) | 0.0009288 (0.0005887, 0.0014052) | 0.11122 (0.07542, 0.15603) |
| Maluku Utara | Drowning                                      | 40  | 1.0 (0.3, 2.6)    | 0.0000306 (0.0000087, 0.0000800) | 0.00778 (0.00223, 0.01952) | 1.2 (0.3, 2.9)    | 0.0000398 (0.0000108, 0.0000957) | 0.00478 (0.00136, 0.01204) |
| Maluku Utara | Falls                                         | 40  | 1.9 (0.6, 4.4)    | 0.0000596 (0.0000199, 0.0001344) | 0.01513 (0.00525, 0.03284) | 2.7 (0.9, 6.0)    | 0.0000887 (0.0000291, 0.0001989) | 0.01063 (0.00351, 0.02291) |
| Maluku Utara | Interpersonal violence                        | 40  | 0.9 (0.3, 1.9)    | 0.0000273 (0.0000100, 0.0000580) | 0.00692 (0.00264, 0.01451) | 1.2 (0.5, 2.6)    | 0.00004 (0.0000153, 0.0000862)   | 0.00408 (0.00192, 0.01038) |
| Maluku Utara | Self-harm                                     | 40  | 1.4 (0.5, 2.9)    | 0.0000417 (0.0000162, 0.0000894) | 0.01062 (0.00423, 0.02229) | 1.5 (0.5, 3.3)    | 0.0000483 (0.0000175, 0.0001092) | 0.00508 (0.00213, 0.01298) |
| Maluku Utara | Transport injuries                            | 40  | 7.7 (3.6, 14.5)   | 0.000235 (0.0001095, 0.0004432)  | 0.0596 (0.02881, 0.10821)  | 7.0 (2.8, 14.6)   | 0.0002302 (0.0000929, 0.0004832) | 0.02758 (0.01181, 0.05537) |
| Maluku Utara | Other unintentional injuries                  | 40  | 3.6 (1.6, 6.9)    | 0.0001107 (0.0000500, 0.0002116) | 0.02812 (0.01301, 0.05300) | 3.6 (1.5, 7.1)    | 0.000118 (0.0000496, 0.0002349)  | 0.01417 (0.00598, 0.02783) |
| Maluku Utara | Diarrheal diseases                            | 45  | 1.7 (0.5, 3.9)    | 0.0000622 (0.0000172, 0.0001415) | 0.01145 (0.00316, 0.02490) | 6.2 (2.0, 12.5)   | 0.0002455 (0.0000811, 0.0004988) | 0.02025 (0.00675, 0.04026) |
| Maluku Utara | HIV/AIDS                                      | 45  | 0.5 (0.1, 1.9)    | 0.0000196 (0.0000025, 0.0000688) | 0.0036 (0.00048, 0.01273)  | 1.2 (0.2, 4.0)    | 0.0000481 (0.0000073, 0.0001591) | 0.00398 (0.00056, 0.01355) |
| Maluku Utara | Lower respiratory infections                  | 45  | 1.5 (0.5, 3.5)    | 0.0000546 (0.0000168, 0.0001276) | 0.01008 (0.00320, 0.02318) | 3.6 (1.1, 8.2)    | 0.0001416 (0.0000442, 0.0003250) | 0.01168 (0.00372, 0.02675) |
| Maluku Utara | Malaria                                       | 45  | 2.2 (0.4, 5.9)    | 0.0000798 (0.0000159, 0.0002176) | 0.01464 (0.00300, 0.03838) | 4.1 (0.7, 12.3)   | 0.0001652 (0.0000297, 0.0004898) | 0.01365 (0.00242, 0.03986) |
| Maluku Utara | Tuberculosis                                  | 45  | 16.5 (8.9, 24.6)  | 0.0006063 (0.0003252, 0.0009008) | 0.11159 (0.06433, 0.16165) | 26.5 (13.5, 42.7) | 0.001055 (0.0005393, 0.0017003)  | 0.08695 (0.04709, 0.13107) |
| Maluku Utara | Maternal disorders                            | 45  |                   |                                  |                            | 0.5 (0.2, 1.3)    | 0.0000218 (0.0000066, 0.0000516) | 0.0018 (0.00058, 0.00426)  |
| Maluku Utara | Other communicable diseases                   | 45  | 2.8 (0.8, 5.7)    | 0.000101 (0.0000288, 0.0002093)  | 0.01859 (0.00522, 0.03676) | 7.7 (2.6, 14.5)   | 0.0003072 (0.0001037, 0.0005775) | 0.02537 (0.00884, 0.04806) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 45  | 1.0 (0.2, 2.7)    | 0.0000359 (0.0000088, 0.0000981) | 0.00658 (0.00164, 0.01658) | 1.0 (0.3, 2.7)    | 0.0000418 (0.0000110, 0.0001070) | 0.00344 (0.00093, 0.00863) |
| Maluku Utara | Breast cancer                                 | 45  | 0.2 (0.0, 0.6)    | 0.0000072 (0.0000016, 0.0000212) | 0.00132 (0.00030, 0.00392) | 20.7 (9.2, 36.8)  | 0.000827 (0.0003658, 0.0014651)  | 0.06809 (0.03052, 0.11742) |
| Maluku Utara | Cervical cancer                               | 45  |                   |                                  |                            | 6.7 (1.5, 17.5)   | 0.0002667 (0.0000611, 0.0006992) | 0.02208 (0.00481, 0.05592) |



Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                  |                            | Females            |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Other malignant neoplasms                     | 45  | 10.2 (4.9, 17.9)  | 0.0003719 (0.0001808, 0.0006541) | 0.06853 (0.03465, 0.11504) | 12.5 (4.7, 24.7)   | 0.0004993 (0.0001885, 0.0009856) | 0.04109 (0.01532, 0.07640) |
| Maluku Utara | Cerebrovascular disease                       | 45  | 23.2 (15.3, 33.9) | 0.0008487 (0.0005622, 0.0012439) | 0.15627 (0.10756, 0.21094) | 55.1 (37.9, 77.0)  | 0.002198 (0.0015098, 0.0030698)  | 0.18133 (0.12825, 0.24159) |
| Maluku Utara | Ischemic heart disease                        | 45  | 19.3 (11.4, 28.7) | 0.0007089 (0.0004182, 0.0010508) | 0.13054 (0.08220, 0.18737) | 29.1 (17.1, 46.0)  | 0.0011613 (0.0006803, 0.0018353) | 0.09565 (0.05787, 0.14273) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 45  | 4.8 (1.9, 9.6)    | 0.0001751 (0.0000693, 0.0003514) | 0.03229 (0.01335, 0.06501) | 12.1 (4.9, 24.3)   | 0.0004834 (0.0001973, 0.0009672) | 0.03976 (0.01641, 0.07950) |
| Maluku Utara | Diabetes mellitus                             | 45  | 9.0 (5.1, 14.8)   | 0.0003312 (0.0001868, 0.0005420) | 0.06102 (0.03671, 0.09900) | 27.5 (15.7, 43.8)  | 0.001096 (0.0006261, 0.0017460)  | 0.09027 (0.05443, 0.14302) |
| Maluku Utara | Chronic kidney disease                        | 45  | 6.5 (3.5, 10.6)   | 0.0002388 (0.0001281, 0.0003872) | 0.04396 (0.02529, 0.06816) | 12.4 (6.4, 20.9)   | 0.0004948 (0.0002555, 0.0008333) | 0.04071 (0.02252, 0.06572) |
| Maluku Utara | Cirrhosis                                     | 45  | 9.9 (5.8, 16.0)   | 0.0003632 (0.0002132, 0.0005852) | 0.0669 (0.04084, 0.10174)  | 14.6 (8.4, 24.1)   | 0.000583 (0.0003362, 0.0009612)  | 0.048 (0.02805, 0.07459)   |
| Maluku Utara | Chronic respiratory diseases                  | 45  | 9.6 (4.7, 16.3)   | 0.0003514 (0.0001704, 0.0005978) | 0.06469 (0.03248, 0.10607) | 14.2 (6.4, 24.5)   | 0.0005653 (0.0002537, 0.0009752) | 0.04663 (0.02251, 0.07908) |
| Maluku Utara | Other non-communicable diseases               | 45  | 13.3 (8.3, 20.2)  | 0.0004889 (0.0003028, 0.0007410) | 0.09001 (0.05982, 0.12611) | 30.3 (19.6, 45.3)  | 0.0012076 (0.0007799, 0.0018061) | 0.09956 (0.06705, 0.13992) |
| Maluku Utara | Drowning                                      | 45  | 0.7 (0.2, 1.9)    | 0.0000254 (0.0000063, 0.0000692) | 0.00468 (0.00115, 0.01252) | 1.0 (0.2, 2.5)     | 0.0000395 (0.0000097, 0.0001012) | 0.00327 (0.00079, 0.00864) |
| Maluku Utara | Falls                                         | 45  | 2.2 (0.7, 5.0)    | 0.0000792 (0.0000265, 0.0001827) | 0.0146 (0.00506, 0.03226)  | 3.4 (1.1, 7.4)     | 0.0001359 (0.0000456, 0.0002954) | 0.01123 (0.00380, 0.02440) |
| Maluku Utara | Interpersonal violence                        | 45  | 0.8 (0.3, 1.6)    | 0.0000278 (0.0000100, 0.0000599) | 0.00512 (0.00188, 0.01029) | 1.1 (0.4, 2.2)     | 0.000042 (0.0000151, 0.0000879)  | 0.00346 (0.00126, 0.00728) |
| Maluku Utara | Self-harm                                     | 45  | 1.3 (0.5, 2.8)    | 0.0000483 (0.0000187, 0.0001008) | 0.00892 (0.00339, 0.01834) | 1.4 (0.5, 3.3)     | 0.0000565 (0.0000201, 0.0001312) | 0.00466 (0.00170, 0.01035) |
| Maluku Utara | Transport injuries                            | 45  | 7.7 (3.6, 14.4)   | 0.0002813 (0.0001315, 0.0005276) | 0.05177 (0.02457, 0.09599) | 7.7 (3.2, 15.5)    | 0.0003067 (0.0001257, 0.0006195) | 0.02531 (0.01106, 0.05085) |
| Maluku Utara | Other unintentional injuries                  | 45  | 3.4 (1.4, 6.6)    | 0.0001239 (0.0000523, 0.0002434) | 0.02284 (0.01001, 0.04281) | 3.6 (1.4, 7.1)     | 0.000143 (0.0000577, 0.0002823)  | 0.01181 (0.00473, 0.02335) |
| Maluku Utara | Diarrheal diseases                            | 50  | 2.5 (0.7, 5.6)    | 0.0001131 (0.0000310, 0.0002494) | 0.01374 (0.00395, 0.02922) | 8.4 (2.8, 16.2)    | 0.000407 (0.0001348, 0.0007884)  | 0.02339 (0.00810, 0.04420) |
| Maluku Utara | HIV/AIDS                                      | 50  | 0.3 (0.0, 0.9)    | 0.0000113 (0.0000014, 0.0000400) | 0.00138 (0.00017, 0.00466) | 0.5 (0.1, 1.8)     | 0.0000263 (0.0000038, 0.0000857) | 0.00152 (0.00019, 0.00490) |
| Maluku Utara | Lower respiratory infections                  | 50  | 2.1 (0.7, 4.8)    | 0.0000936 (0.0000297, 0.0002135) | 0.0114 (0.00367, 0.02572)  | 4.8 (1.6, 10.8)    | 0.0002336 (0.0000762, 0.0005236) | 0.01342 (0.00435, 0.02991) |
| Maluku Utara | Malaria                                       | 50  | 2.4 (0.5, 6.8)    | 0.0001094 (0.0000214, 0.0003038) | 0.01323 (0.00270, 0.03709) | 4.2 (0.7, 12.9)    | 0.0002036 (0.0000360, 0.0006280) | 0.01172 (0.00213, 0.03567) |
| Maluku Utara | Tuberculosis                                  | 50  | 19.0 (10.0, 29.2) | 0.0008512 (0.0004481, 0.0013071) | 0.10339 (0.05955, 0.15499) | 28.9 (14.5, 47.5)  | 0.001406 (0.0007058, 0.0023146)  | 0.08074 (0.04315, 0.12477) |
| Maluku Utara | Maternal disorders                            | 50  |                   |                                  |                            | 0.2 (0.1, 0.7)     | 0.0000114 (0.0000027, 0.0000318) | 0.00066 (0.00015, 0.00183) |
| Maluku Utara | Other communicable diseases                   | 50  | 3.2 (0.9, 6.5)    | 0.000142 (0.0000382, 0.0002897)  | 0.01726 (0.00475, 0.03370) | 8.1 (2.7, 15.4)    | 0.0003965 (0.0001313, 0.0007507) | 0.02281 (0.00783, 0.04234) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 50  | 1.3 (0.3, 3.6)    | 0.0000569 (0.0000142, 0.0001600) | 0.00689 (0.00180, 0.01744) | 1.2 (0.3, 2.9)     | 0.0000562 (0.0000146, 0.0001428) | 0.00322 (0.00085, 0.00807) |
| Maluku Utara | Breast cancer                                 | 50  | 0.2 (0.1, 0.7)    | 0.0000111 (0.0000028, 0.0000313) | 0.00135 (0.00036, 0.00381) | 18.2 (7.6, 33.2)   | 0.0008876 (0.0003710, 0.0016182) | 0.05092 (0.02139, 0.09180) |
| Maluku Utara | Cervical cancer                               | 50  |                   |                                  |                            | 7.2 (1.6, 18.5)    | 0.0003511 (0.0000803, 0.0009019) | 0.02024 (0.00456, 0.05114) |
| Maluku Utara | Other malignant neoplasms                     | 50  | 10.9 (5.2, 19.7)  | 0.0004881 (0.0002335, 0.0008830) | 0.05934 (0.02954, 0.09994) | 12.6 (4.5, 25.1)   | 0.0006153 (0.0002212, 0.0012200) | 0.03529 (0.01305, 0.06540) |
| Maluku Utara | Cerebrovascular disease                       | 50  | 34.2 (22.8, 48.6) | 0.0015278 (0.0010179, 0.0021762) | 0.1857 (0.13187, 0.24465)  | 76.5 (54.4, 103.4) | 0.0037245 (0.0026503, 0.0050338) | 0.2141 (0.15388, 0.27772)  |
| Maluku Utara | Ischemic heart disease                        | 50  | 23.9 (13.9, 36.0) | 0.0010682 (0.0006225, 0.0016092) | 0.12979 (0.08177, 0.18462) | 35.1 (20.7, 55.2)  | 0.0017083 (0.0010092, 0.0026856) | 0.09805 (0.05956, 0.14690) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 50  | 7.1 (2.8, 13.8)   | 0.0003168 (0.0001269, 0.0006172) | 0.03853 (0.01622, 0.07661) | 16.5 (6.7, 32.0)   | 0.0008028 (0.0003250, 0.0015598) | 0.04603 (0.01969, 0.09180) |
| Maluku Utara | Diabetes mellitus                             | 50  | 13.1 (7.6, 21.2)  | 0.0005872 (0.0003403, 0.0009504) | 0.07141 (0.04307, 0.11454) | 37.3 (21.8, 59.0)  | 0.0018168 (0.0010601, 0.0028710) | 0.10427 (0.06461, 0.16043) |
| Maluku Utara | Chronic kidney disease                        | 50  | 7.4 (4.0, 12.0)   | 0.0003321 (0.0001773, 0.0005383) | 0.04036 (0.02357, 0.06321) | 13.2 (7.0, 22.1)   | 0.0006442 (0.0003397, 0.0010747) | 0.03694 (0.02046, 0.05904) |
| Maluku Utara | Cirrhosis                                     | 50  | 11.5 (6.6, 18.8)  | 0.0005144 (0.0002955, 0.0008392) | 0.06255 (0.03745, 0.09567) | 16.0 (9.3, 26.2)   | 0.0007811 (0.0004528, 0.0012742) | 0.04483 (0.02649, 0.07028) |
| Maluku Utara | Chronic respiratory diseases                  | 50  | 14.6 (7.3, 24.4)  | 0.0006531 (0.0003264, 0.0010932) | 0.07938 (0.04226, 0.12713) | 19.8 (9.6, 32.9)   | 0.0009634 (0.0004695, 0.0016012) | 0.05538 (0.02800, 0.09290) |
| Maluku Utara | Other non-communicable diseases               | 50  | 15.7 (9.7, 23.8)  | 0.0007014 (0.0004359, 0.0010638) | 0.08524 (0.05604, 0.11996) | 33.3 (21.3, 49.1)  | 0.0016201 (0.0010376, 0.0023894) | 0.09308 (0.06194, 0.13315) |
| Maluku Utara | Drowning                                      | 50  | 0.6 (0.1, 1.5)    | 0.0000248 (0.0000059, 0.0000684) | 0.00302 (0.00076, 0.00781) | 0.8 (0.2, 1.9)     | 0.0000365 (0.0000086, 0.0000921) | 0.0021 (0.00051, 0.00542)  |
| Maluku Utara | Falls                                         | 50  | 2.7 (0.9, 5.9)    | 0.0001196 (0.0000418, 0.0002641) | 0.01455 (0.00539, 0.03161) | 3.9 (1.5, 8.5)     | 0.0001907 (0.0000707, 0.0004119) | 0.01098 (0.00418, 0.02397) |
| Maluku Utara | Interpersonal violence                        | 50  | 0.6 (0.2, 1.4)    | 0.0000278 (0.0000099, 0.0000630) | 0.00338 (0.00127, 0.00697) | 0.8 (0.3, 1.7)     | 0.0000381 (0.0000140, 0.0000847) | 0.00219 (0.00081, 0.00467) |
| Maluku Utara | Self-harm                                     | 50  | 1.2 (0.4, 2.5)    | 0.0000533 (0.0000196, 0.0001103) | 0.0065 (0.00242, 0.01379)  | 1.2 (0.4, 2.6)     | 0.0000562 (0.0000198, 0.0001285) | 0.00323 (0.00114, 0.00727) |
| Maluku Utara | Transport injuries                            | 50  | 6.5 (2.8, 12.6)   | 0.0002923 (0.0001249, 0.0005647) | 0.03551 (0.01618, 0.06830) | 6.0 (2.4, 12.7)    | 0.0002929 (0.0001155, 0.0006047) | 0.01684 (0.00700, 0.03435) |
| Maluku Utara | Other unintentional injuries                  | 50  | 3.0 (1.2, 5.8)    | 0.0001323 (0.0000536, 0.0002591) | 0.0161 (0.00688, 0.03018)  | 2.9 (1.2, 5.4)     | 0.0001397 (0.0000580, 0.0002766) | 0.00805 (0.00330, 0.01592) |
| Maluku Utara | Diarrheal diseases                            | 55  | 2.6 (0.7, 5.7)    | 0.0001663 (0.0000473, 0.0003636) | 0.0139 (0.00426, 0.02941)  | 8.4 (3.0, 16.1)    | 0.0005923 (0.0002107, 0.0011388) | 0.02338 (0.00850, 0.04405) |
| Maluku Utara | HIV/AIDS                                      | 55  | 0.1 (0.0, 0.4)    | 0.0000067 (0.0000007, 0.0000244) | 0.00056 (0.00006, 0.00198) | 0.2 (0.0, 0.8)     | 0.0000153 (0.0000019, 0.0000534) | 0.00061 (0.00008, 0.00209) |
| Maluku Utara | Lower respiratory infections                  | 55  | 2.1 (0.7, 4.8)    | 0.000134 (0.0000417, 0.0003068)  | 0.01123 (0.00363, 0.02555) | 4.7 (1.5, 10.5)    | 0.0003319 (0.0001087, 0.0007444) | 0.0131 (0.00429, 0.02856)  |
| Maluku Utara | Malaria                                       | 55  | 2.4 (0.5, 7.0)    | 0.0001519 (0.0000290, 0.0004446) | 0.01264 (0.00249, 0.03556) | 3.9 (0.7, 11.9)    | 0.0002789 (0.0000481, 0.0008392) | 0.01102 (0.00191, 0.03323) |
| Maluku Utara | Tuberculosis                                  | 55  | 17.2 (8.9, 26.6)  | 0.0010858 (0.0005611, 0.0016810) | 0.09076 (0.05075, 0.13557) | 25.1 (12.4, 41.9)  | 0.0017707 (0.0008738, 0.0029590) | 0.06985 (0.03604, 0.10984) |
| Maluku Utara | Other communicable diseases                   | 55  | 2.9 (0.8, 6.1)    | 0.0001817 (0.0000512, 0.0003830) | 0.01518 (0.00445, 0.03114) | 7.1 (2.4, 13.7)    | 0.0005024 (0.0001723, 0.0009716) | 0.01985 (0.00706, 0.03798) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 55  | 1.5 (0.4, 4.0)    | 0.0000932 (0.0000244, 0.0002501) | 0.00776 (0.00220, 0.01918) | 1.0 (0.3, 2.4)     | 0.0000688 (0.0000177, 0.0001731) | 0.00271 (0.00071, 0.00674) |
| Maluku Utara | Breast cancer                                 | 55  | 0.2 (0.1, 0.6)    | 0.000014 (0.0000033, 0.0000380)  | 0.00118 (0.00029, 0.00314) | 13.5 (5.4, 25.2)   | 0.0009565 (0.0003848, 0.0017845) | 0.0377 (0.01534, 0.06940)  |
| Maluku Utara | Cervical cancer                               | 55  |                   |                                  |                            | 5.2 (1.2, 13.5)    | 0.0003659 (0.0000827, 0.0009510) | 0.0145 (0.00309, 0.03686)  |
| Maluku Utara | Other malignant neoplasms                     | 55  | 8.3 (3.9, 15.6)   | 0.0005264 (0.0002472, 0.0009869) | 0.04405 (0.02165, 0.07694) | 10.5 (3.7, 21.3)   | 0.0007438 (0.0002591, 0.0015071) | 0.02932 (0.01028, 0.05802) |
| Maluku Utara | Cerebrovascular disease                       | 55  | 40.4 (27.2, 56.4) | 0.0025589 (0.0017235, 0.0035705) | 0.21402 (0.15299, 0.27605) | 87.9 (63.4, 115.6) | 0.0062137 (0.0044791, 0.0081728) | 0.24533 (0.18261, 0.30962) |
| Maluku Utara | Ischemic heart disease                        | 55  | 28.1 (16.6, 41.1) | 0.0017751 (0.0010511, 0.0025975) | 0.14844 (0.09489, 0.21123) | 40.0 (24.0, 62.0)  | 0.0028282 (0.0016991, 0.0043827) | 0.11152 (0.06847, 0.16626) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 55  | 8.1 (3.3, 15.9)   | 0.0005139 (0.0002085, 0.0010063) | 0.04303 (0.01847, 0.08224) | 18.5 (7.5, 36.6)   | 0.0013061 (0.0005322, 0.0025894) | 0.05146 (0.02165, 0.10060) |
| Maluku Utara | Diabetes mellitus                             | 55  | 14.2 (8.3, 23.1)  | 0.0008967 (0.0005246, 0.0014597) | 0.07502 (0.04514, 0.11810) | 39.2 (23.1, 62.5)  | 0.0027734 (0.0016337, 0.0044173) | 0.10937 (0.06762, 0.16763) |
| Maluku Utara | Chronic kidney disease                        | 55  | 7.3 (4.0, 12.0)   | 0.0004646 (0.0002502, 0.0007564) | 0.03886 (0.02254, 0.06058) | 12.8 (6.8, 21.3)   | 0.0009024 (0.0004790, 0.0015057) | 0.03555 (0.01932, 0.05712) |
| Maluku Utara | Cirrhosis                                     | 55  | 10.4 (5.9, 16.9)  | 0.000657 (0.0003750, 0.0010702)  | 0.05495 (0.03294, 0.08572) | 14.1 (8.2, 23.3)   | 0.0009981 (0.0005788, 0.0016504) | 0.03935 (0.02336, 0.06375) |
| Maluku Utara | Chronic respiratory diseases                  | 55  | 15.7 (8.1, 25.8)  | 0.000994 (0.0005113, 0.0016324)  | 0.08314 (0.04520, 0.12940) | 21.0 (10.7, 33.9)  | 0.0014866 (0.0007547, 0.0023964) | 0.0587 (0.03070, 0.09560)  |
| Maluku Utara | Other non-communicable diseases               | 55  | 16.5 (10.3, 24.8) | 0.0010434 (0.0006506, 0.0015718) | 0.08729 (0.05729, 0.12487) | 34.2 (21.6, 50.5)  | 0.0024163 (0.0015260, 0.0035731) | 0.09535 (0.06347, 0.13623) |
| Maluku Utara | Drowning                                      | 55  | 0.4 (0.1, 1.0)    | 0.0000233 (0.0000052, 0.0000637) | 0.00195 (0.00046, 0.00510) | 0.5 (0.1, 1.2)     | 0.000033 (0.0000074, 0.0000871)  | 0.0013 (0.00031, 0.00341)  |
| Maluku Utara | Falls                                         | 55  | 2.6 (1.1, 5.9)    | 0.0001677 (0.0000670, 0.0003723) | 0.01403 (0.00565, 0.03008) | 3.6 (1.5, 8.0)     | 0.0002574 (0.0001045, 0.0005631) | 0.01017 (0.00435, 0.02173) |
| Maluku Utara | Interpersonal violence                        | 55  | 0.5 (0.2, 1.1)    | 0.0000299 (0.0000099, 0.0000699) | 0.0025 (0.00084, 0.00540)  | 0.6 (0.2, 1.2)     | 0.0000389 (0.0000137, 0.0000874) | 0.00154 (0.00056, 0.00339) |

# Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                  |                            | Females             |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Self-harm                                     | 55  | 1.0 (0.4, 2.2)    | 0.0000658 (0.0000235, 0.0001405) | 0.00552 (0.00207, 0.01242) | 0.9 (0.3, 2.2)      | 0.0000663 (0.0000229, 0.0001565) | 0.00262 (0.00089, 0.00614) |
| Maluku Utara | Transport injuries                            | 55  | 4.1 (1.7, 8.6)    | 0.0002615 (0.0001087, 0.0005473) | 0.02186 (0.00920, 0.04556) | 3.5 (1.3, 7.7)      | 0.0002506 (0.0000946, 0.0005472) | 0.0099 (0.00372, 0.02155)  |
| Maluku Utara | Other unintentional injuries                  | 55  | 2.3 (1.0, 4.6)    | 0.0001447 (0.0000605, 0.0002939) | 0.01213 (0.00502, 0.02393) | 2.1 (0.9, 4.3)      | 0.0001466 (0.0000602, 0.0003018) | 0.0058 (0.00233, 0.01176)  |
| Maluku Utara | Diarrheal diseases                            | 60  | 3.5 (1.0, 7.7)    | 0.0003117 (0.0000892, 0.0006853) | 0.01529 (0.00446, 0.03163) | 9.7 (3.5, 18.8)     | 0.0009563 (0.0003474, 0.0018608) | 0.02571 (0.00961, 0.04803) |
| Maluku Utara | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.3)    | 0.0000076 (0.0000008, 0.0000264) | 0.00037 (0.00004, 0.00127) | 0.2 (0.0, 0.5)      | 0.000015 (0.0000018, 0.0000516)  | 0.00041 (0.00005, 0.00141) |
| Maluku Utara | Lower respiratory infections                  | 60  | 3.4 (1.1, 7.5)    | 0.0003031 (0.0000979, 0.0006646) | 0.01492 (0.00477, 0.03358) | 7.0 (2.3, 14.9)     | 0.000692 (0.0002310, 0.0014758)  | 0.01858 (0.00602, 0.03944) |
| Maluku Utara | Malaria                                       | 60  | 2.8 (0.5, 8.1)    | 0.0002517 (0.0000471, 0.0007199) | 0.01231 (0.00244, 0.03449) | 3.8 (0.6, 11.8)     | 0.0003806 (0.0000630, 0.0011635) | 0.01023 (0.00171, 0.03170) |
| Maluku Utara | Tuberculosis                                  | 60  | 22.6 (11.8, 34.8) | 0.0020133 (0.0010557, 0.0031041) | 0.09881 (0.05442, 0.14656) | 29.2 (14.3, 47.1)   | 0.0028874 (0.0014175, 0.0046590) | 0.07753 (0.03931, 0.12054) |
| Maluku Utara | Other communicable diseases                   | 60  | 2.8 (0.8, 6.1)    | 0.0002486 (0.0000690, 0.0005396) | 0.0122 (0.00348, 0.02532)  | 6.1 (2.0, 12.0)     | 0.0006046 (0.0002010, 0.0011890) | 0.01626 (0.00581, 0.03232) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 60  | 1.6 (0.4, 4.2)    | 0.0001407 (0.0000375, 0.0003715) | 0.00688 (0.00183, 0.01733) | 0.9 (0.2, 2.2)      | 0.0000862 (0.0000233, 0.0002194) | 0.00231 (0.00061, 0.00565) |
| Maluku Utara | Breast cancer                                 | 60  | 0.2 (0.0, 0.6)    | 0.0000193 (0.0000042, 0.0000554) | 0.00095 (0.00020, 0.00271) | 9.1 (3.5, 17.7)     | 0.0009021 (0.0003464, 0.0017522) | 0.0242 (0.00920, 0.04685)  |
| Maluku Utara | Cervical cancer                               | 60  |                   |                                  |                            | 4.5 (1.0, 12.0)     | 0.0004467 (0.0001016, 0.0011842) | 0.01203 (0.00258, 0.03178) |
| Maluku Utara | Other malignant neoplasms                     | 60  | 8.9 (4.2, 16.6)   | 0.0007907 (0.0003769, 0.0014815) | 0.03884 (0.01922, 0.06773) | 10.0 (3.8, 19.4)    | 0.0009865 (0.0003755, 0.0019163) | 0.02645 (0.01007, 0.05109) |
| Maluku Utara | Cerebrovascular disease                       | 60  | 51.4 (35.2, 71.0) | 0.004579 (0.0031410, 0.0063280)  | 0.22485 (0.16112, 0.28706) | 99.3 (73.1, 129.9)  | 0.0098182 (0.0072320, 0.0128477) | 0.26375 (0.19794, 0.33082) |
| Maluku Utara | Ischemic heart disease                        | 60  | 31.2 (18.5, 46.1) | 0.0027807 (0.0016495, 0.0041063) | 0.13651 (0.08591, 0.19795) | 41.6 (25.6, 64.5)   | 0.0041159 (0.0025303, 0.0063787) | 0.11042 (0.06886, 0.16562) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 60  | 10.3 (4.3, 19.5)  | 0.0009213 (0.0003820, 0.0017427) | 0.04528 (0.01975, 0.08647) | 19.8 (8.1, 38.7)    | 0.0019575 (0.0007979, 0.0038299) | 0.05249 (0.02228, 0.10112) |
| Maluku Utara | Diabetes mellitus                             | 60  | 14.5 (8.4, 23.8)  | 0.0012921 (0.0007459, 0.0021187) | 0.06347 (0.03846, 0.10147) | 35.0 (20.9, 55.7)   | 0.0034644 (0.0020693, 0.0055039) | 0.09296 (0.05792, 0.14421) |
| Maluku Utara | Chronic kidney disease                        | 60  | 7.7 (4.1, 12.6)   | 0.0006843 (0.0003674, 0.0011193) | 0.0336 (0.01926, 0.05309)  | 11.4 (6.1, 19.0)    | 0.0011304 (0.0006042, 0.0018820) | 0.0303 (0.01676, 0.04884)  |
| Maluku Utara | Cirrhosis                                     | 60  | 10.5 (6.0, 17.1)  | 0.0009337 (0.0005361, 0.0015267) | 0.04585 (0.02729, 0.07167) | 12.7 (7.3, 20.6)    | 0.001257 (0.0007170, 0.0020363)  | 0.03372 (0.02007, 0.05401) |
| Maluku Utara | Chronic respiratory diseases                  | 60  | 25.0 (13.7, 39.4) | 0.002231 (0.0012207, 0.0035094)  | 0.10956 (0.06374, 0.16142) | 28.0 (14.7, 43.6)   | 0.0027656 (0.0014555, 0.0043111) | 0.0743 (0.04073, 0.11615)  |
| Maluku Utara | Other non-communicable diseases               | 60  | 21.4 (13.6, 31.4) | 0.0019044 (0.0012148, 0.0027993) | 0.09355 (0.06335, 0.13091) | 38.5 (25.5, 55.7)   | 0.0038022 (0.0025193, 0.0055088) | 0.10208 (0.06944, 0.14269) |
| Maluku Utara | Drowning                                      | 60  | 0.3 (0.1, 1.0)    | 0.0000309 (0.0000071, 0.0000864) | 0.00152 (0.00004, 0.00433) | 0.4 (0.1, 1.2)      | 0.0000422 (0.0000092, 0.0001223) | 0.00113 (0.00024, 0.00328) |
| Maluku Utara | Falls                                         | 60  | 2.7 (1.0, 6.2)    | 0.0002434 (0.0000923, 0.0005510) | 0.01197 (0.00462, 0.02710) | 3.5 (1.4, 7.5)      | 0.0003439 (0.0001389, 0.0007380) | 0.00925 (0.00376, 0.02005) |
| Maluku Utara | Interpersonal violence                        | 60  | 0.4 (0.1, 0.8)    | 0.0000329 (0.0000113, 0.0000756) | 0.00162 (0.00055, 0.00355) | 0.4 (0.1, 0.8)      | 0.0000358 (0.0000127, 0.0000828) | 0.00096 (0.00034, 0.00215) |
| Maluku Utara | Self-harm                                     | 60  | 0.9 (0.3, 2.0)    | 0.0000816 (0.0000290, 0.0001761) | 0.00402 (0.00140, 0.00899) | 0.7 (0.2, 1.7)      | 0.0000676 (0.0000261, 0.0001642) | 0.00182 (0.00062, 0.00441) |
| Maluku Utara | Transport injuries                            | 60  | 4.1 (1.6, 8.6)    | 0.0003681 (0.0001434, 0.0007701) | 0.01808 (0.00727, 0.03773) | 3.2 (1.1, 7.0)      | 0.0003165 (0.0001121, 0.0006923) | 0.00851 (0.00311, 0.01855) |
| Maluku Utara | Other unintentional injuries                  | 60  | 2.2 (0.9, 4.5)    | 0.000194 (0.0000777, 0.0004031)  | 0.00954 (0.00387, 0.01973) | 1.7 (0.7, 3.6)      | 0.0001715 (0.0000652, 0.0003602) | 0.00461 (0.00180, 0.00970) |
| Maluku Utara | Diarrheal diseases                            | 65  | 4.9 (1.6, 9.7)    | 0.0007369 (0.0002458, 0.0014515) | 0.02558 (0.00910, 0.04984) | 15.6 (6.8, 27.3)    | 0.0022861 (0.0009992, 0.0039903) | 0.04182 (0.01907, 0.07107) |
| Maluku Utara | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.2)    | 0.00001 (0.0000012, 0.0000347)   | 0.00035 (0.00004, 0.00122) | 0.1 (0.0, 0.5)      | 0.0000202 (0.0000026, 0.0000720) | 0.00037 (0.00005, 0.00130) |
| Maluku Utara | Lower respiratory infections                  | 65  | 3.4 (1.2, 7.5)    | 0.0005099 (0.0001719, 0.0011284) | 0.01775 (0.00612, 0.03874) | 8.5 (3.1, 17.6)     | 0.0012389 (0.0004503, 0.0025731) | 0.02264 (0.00797, 0.04816) |
| Maluku Utara | Malaria                                       | 65  | 2.5 (0.4, 7.3)    | 0.0003703 (0.0000672, 0.0010957) | 0.0128 (0.00229, 0.03732)  | 3.6 (0.6, 11.8)     | 0.0005252 (0.0000815, 0.0017204) | 0.00961 (0.00149, 0.03036) |
| Maluku Utara | Tuberculosis                                  | 65  | 19.3 (10.0, 29.5) | 0.0028878 (0.0014916, 0.0044119) | 0.10027 (0.05579, 0.14946) | 27.7 (13.3, 45.4)   | 0.0040526 (0.0019409, 0.0066387) | 0.07405 (0.03685, 0.11708) |
| Maluku Utara | Other communicable diseases                   | 65  | 2.4 (0.7, 5.1)    | 0.0003558 (0.0001110, 0.0007672) | 0.01235 (0.00385, 0.02441) | 6.2 (2.3, 12.0)     | 0.0009019 (0.0003384, 0.0017533) | 0.01651 (0.00630, 0.03179) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 65  | 1.1 (0.3, 3.1)    | 0.0001706 (0.0000459, 0.0004705) | 0.0059 (0.00159, 0.01524)  | 0.6 (0.2, 1.6)      | 0.0000931 (0.0000238, 0.0002378) | 0.0017 (0.00045, 0.00438)  |
| Maluku Utara | Breast cancer                                 | 65  | 0.1 (0.0, 0.4)    | 0.0000187 (0.0000037, 0.0000556) | 0.00065 (0.00012, 0.00191) | 5.7 (2.1, 11.6)     | 0.0008306 (0.0003013, 0.0017011) | 0.01516 (0.00543, 0.03072) |
| Maluku Utara | Cervical cancer                               | 65  |                   |                                  |                            | 3.3 (0.8, 9.0)      | 0.0004875 (0.0001113, 0.0013202) | 0.00894 (0.00193, 0.02447) |
| Maluku Utara | Other malignant neoplasms                     | 65  | 5.6 (2.7, 10.7)   | 0.0008427 (0.0004004, 0.0015935) | 0.02928 (0.01408, 0.05131) | 8.7 (3.4, 16.6)     | 0.0012682 (0.0004905, 0.0024308) | 0.02315 (0.00915, 0.04331) |
| Maluku Utara | Cerebrovascular disease                       | 65  | 45.2 (31.5, 61.6) | 0.0067547 (0.0047010, 0.0092065) | 0.23465 (0.17088, 0.29893) | 104.3 (77.4, 135.1) | 0.0152519 (0.0113209, 0.0197651) | 0.27887 (0.21057, 0.34767) |
| Maluku Utara | Ischemic heart disease                        | 65  | 25.3 (15.0, 37.6) | 0.0037799 (0.0022422, 0.0056187) | 0.13127 (0.08320, 0.18951) | 39.0 (23.6, 60.4)   | 0.0057114 (0.0034511, 0.0088413) | 0.10431 (0.06449, 0.15672) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 65  | 9.4 (3.9, 18.0)   | 0.0014078 (0.0005836, 0.0026913) | 0.04894 (0.02157, 0.09196) | 21.1 (8.9, 40.0)    | 0.0030822 (0.0013044, 0.0058459) | 0.05626 (0.02399, 0.10678) |
| Maluku Utara | Diabetes mellitus                             | 65  | 9.6 (5.4, 16.2)   | 0.001439 (0.0008103, 0.0024218)  | 0.05 (0.02952, 0.08251)    | 27.5 (16.0, 44.5)   | 0.004023 (0.0023455, 0.0065153)  | 0.07348 (0.04457, 0.11684) |
| Maluku Utara | Chronic kidney disease                        | 65  | 5.9 (3.1, 9.6)    | 0.0008784 (0.0004598, 0.0014347) | 0.03051 (0.01731, 0.04826) | 10.1 (5.4, 16.8)    | 0.0014738 (0.0007939, 0.0024524) | 0.02689 (0.01465, 0.04361) |
| Maluku Utara | Cirrhosis                                     | 65  | 7.0 (4.0, 11.5)   | 0.0010439 (0.0005916, 0.0017219) | 0.03627 (0.02125, 0.05629) | 10.4 (5.9, 17.1)    | 0.0015157 (0.0008609, 0.0025033) | 0.02768 (0.01631, 0.04462) |
| Maluku Utara | Chronic respiratory diseases                  | 65  | 22.7 (12.5, 35.3) | 0.003387 (0.0018720, 0.0052733)  | 0.11763 (0.06871, 0.16931) | 29.9 (16.2, 46.0)   | 0.0043685 (0.0023695, 0.0067300) | 0.07986 (0.04435, 0.12152) |
| Maluku Utara | Other non-communicable diseases               | 65  | 20.0 (12.7, 28.9) | 0.0029859 (0.0018941, 0.0043162) | 0.10373 (0.06978, 0.14404) | 42.5 (28.5, 60.8)   | 0.0062198 (0.0041682, 0.0088989) | 0.11366 (0.07852, 0.15672) |
| Maluku Utara | Drowning                                      | 65  | 0.3 (0.1, 0.8)    | 0.0000379 (0.0000086, 0.0001147) | 0.00132 (0.00030, 0.00400) | 0.4 (0.1, 1.3)      | 0.0000606 (0.0000135, 0.0001907) | 0.00111 (0.00025, 0.00336) |
| Maluku Utara | Falls                                         | 65  | 2.5 (0.9, 5.3)    | 0.000367 (0.0001353, 0.0007938)  | 0.01276 (0.00483, 0.02776) | 3.9 (1.6, 8.2)      | 0.0005769 (0.0002304, 0.0011984) | 0.01056 (0.00441, 0.02273) |
| Maluku Utara | Interpersonal violence                        | 65  | 0.2 (0.1, 0.6)    | 0.0000339 (0.0000106, 0.0000829) | 0.00118 (0.00038, 0.00274) | 0.2 (0.1, 0.6)      | 0.0000357 (0.0000115, 0.0000880) | 0.00065 (0.00021, 0.00156) |
| Maluku Utara | Self-harm                                     | 65  | 0.6 (0.2, 1.5)    | 0.0000951 (0.0000325, 0.0002193) | 0.00332 (0.00114, 0.00780) | 0.5 (0.2, 1.3)      | 0.0000742 (0.0000245, 0.0001883) | 0.00136 (0.00045, 0.00338) |
| Maluku Utara | Transport injuries                            | 65  | 2.9 (1.1, 6.2)    | 0.0004323 (0.0001676, 0.0009276) | 0.01502 (0.00584, 0.03184) | 2.7 (0.9, 6.4)      | 0.0003986 (0.0001387, 0.0009335) | 0.0073 (0.00267, 0.01632)  |
| Maluku Utara | Other unintentional injuries                  | 65  | 1.6 (0.7, 3.5)    | 0.0002438 (0.0000984, 0.0005239) | 0.00849 (0.00343, 0.01761) | 1.5 (0.6, 3.3)      | 0.0002221 (0.0000820, 0.0004809) | 0.00407 (0.00152, 0.00875) |
| Maluku Utara | Diarrheal diseases                            | 70  | 8.8 (3.4, 16.3)   | 0.001814 (0.0007070, 0.0033680)  | 0.03931 (0.02164, 0.07107) | 22.6 (10.6, 38.9)   | 0.0045484 (0.0021324, 0.0078261) | 0.05323 (0.02531, 0.08993) |
| Maluku Utara | HIV/AIDS                                      | 70  | 0.1 (0.0, 0.4)    | 0.0000214 (0.0000024, 0.0000754) | 0.00046 (0.00005, 0.00161) | 0.2 (0.0, 0.7)      | 0.0000403 (0.0000048, 0.0001454) | 0.00047 (0.00006, 0.00169) |
| Maluku Utara | Lower respiratory infections                  | 70  | 5.3 (1.8, 11.5)   | 0.0010961 (0.0003801, 0.0023739) | 0.02382 (0.00860, 0.04887) | 11.6 (4.3, 23.3)    | 0.0023343 (0.0008599, 0.0046956) | 0.02728 (0.00974, 0.05597) |
| Maluku Utara | Malaria                                       | 70  | 2.8 (0.4, 8.7)    | 0.0005757 (0.0000876, 0.0018080) | 0.01244 (0.00208, 0.03897) | 3.7 (0.6, 12.1)     | 0.0007453 (0.0001109, 0.0024438) | 0.00873 (0.00122, 0.02825) |
| Maluku Utara | Tuberculosis                                  | 70  | 22.1 (11.0, 34.4) | 0.0045759 (0.0022738, 0.0071188) | 0.0992 (0.05283, 0.15104)  | 32.8 (15.9, 53.6)   | 0.0065941 (0.0032084, 0.0107929) | 0.07709 (0.03719, 0.12207) |
| Maluku Utara | Other communicable diseases                   | 70  | 3.3 (1.1, 6.6)    | 0.0006777 (0.0002349, 0.0013679) | 0.01469 (0.00531, 0.02867) | 6.6 (2.5, 12.9)     | 0.0013335 (0.0005052, 0.0025908) | 0.01561 (0.00612, 0.03044) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 70  | 0.9 (0.2, 2.5)    | 0.0001903 (0.0000485, 0.0005184) | 0.00411 (0.00107, 0.01043) | 0.6 (0.1, 1.5)      | 0.0001195 (0.0000294, 0.0003044) | 0.00139 (0.00036, 0.00361) |
| Maluku Utara | Breast cancer                                 | 70  | 0.1 (0.0, 0.3)    | 0.0000197 (0.0000031, 0.0000619) | 0.00043 (0.00007, 0.00129) | 4.0 (1.3, 8.4)      | 0.0008118 (0.0002685, 0.0016828) | 0.00948 (0.00324, 0.02013) |
| Maluku Utara | Cervical cancer                               | 70  |                   |                                  |                            | 2.2 (0.4, 6.0)      | 0.0004338 (0.0000851, 0.0012125) | 0.00509 (0.00078, 0.01465) |
| Maluku Utara | Other malignant neoplasms                     | 70  | 4.8 (2.2, 8.8)    | 0.0009916 (0.0004613, 0.0018278) | 0.02152 (0.01030, 0.03789) | 7.8 (3.1, 14.6)     | 0.0015771 (0.0006306, 0.0029476) | 0.01842 (0.00736, 0.03518) |
| Maluku Utara | Cerebrovascular disease                       | 70  | 52.1 (35.8, 71.0) | 0.0107902 (0.0074106, 0.0146959) | 0.2341 (0.16856, 0.29972)  | 118.5 (87.2, 153.9) | 0.023855 (0.0175460, 0.0309754)  | 0.27901 (0.20921, 0.34802) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males             |                                  |                            | Females             |                                  |                            |
|--------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|              |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Ischemic heart disease                        | 70  | 26.3 (15.0, 40.0) | 0.0054462 (0.0031078, 0.0082805) | 0.11812 (0.07321, 0.17257) | 44.6 (26.9, 68.7)   | 0.008976 (0.0054076, 0.0138331)  | 0.10489 (0.06501, 0.15883) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 70  | 11.4 (4.7, 21.4)  | 0.00236 (0.0009644, 0.0044285)   | 0.05123 (0.02234, 0.09848) | 25.5 (10.7, 48.9)   | 0.005124 (0.0021606, 0.0098359)  | 0.05985 (0.02635, 0.11425) |
| Maluku Utara | Diabetes mellitus                             | 70  | 7.9 (4.4, 13.2)   | 0.0016277 (0.0009102, 0.0027296) | 0.03532 (0.02065, 0.05785) | 23.2 (13.3, 37.8)   | 0.0046754 (0.0026762, 0.0076067) | 0.05462 (0.03199, 0.08850) |
| Maluku Utara | Chronic kidney disease                        | 70  | 5.5 (2.9, 8.9)    | 0.0011428 (0.0005982, 0.0018446) | 0.02479 (0.01411, 0.03991) | 10.0 (5.3, 16.5)    | 0.0020207 (0.0010731, 0.0033155) | 0.02359 (0.01278, 0.03888) |
| Maluku Utara | Cirrhosis                                     | 70  | 6.7 (3.7, 10.9)   | 0.0013969 (0.0007716, 0.0022514) | 0.03031 (0.01773, 0.04777) | 9.5 (5.5, 15.3)     | 0.0019162 (0.0011103, 0.0030786) | 0.02239 (0.01316, 0.03608) |
| Maluku Utara | Chronic respiratory diseases                  | 70  | 30.6 (18.1, 45.8) | 0.0063328 (0.0037538, 0.0094837) | 0.13737 (0.08476, 0.19306) | 40.0 (22.4, 59.9)   | 0.0080451 (0.0045129, 0.0120496) | 0.09408 (0.05445, 0.14097) |
| Maluku Utara | Other non-communicable diseases               | 70  | 24.6 (15.9, 35.2) | 0.0050853 (0.0032908, 0.0072830) | 0.11035 (0.07675, 0.15307) | 51.8 (35.3, 72.5)   | 0.0104346 (0.0070991, 0.0145929) | 0.12198 (0.08512, 0.16641) |
| Maluku Utara | Drowning                                      | 70  | 0.5 (0.1, 1.4)    | 0.0001084 (0.0000263, 0.0002990) | 0.00236 (0.00058, 0.00651) | 0.6 (0.2, 1.7)      | 0.0001275 (0.0000305, 0.0003383) | 0.00149 (0.00037, 0.00404) |
| Maluku Utara | Falls                                         | 70  | 3.2 (1.3, 7.0)    | 0.0006723 (0.0002656, 0.0014460) | 0.0146 (0.00592, 0.03140)  | 4.2 (1.8, 9.0)      | 0.000853 (0.0003528, 0.0018096)  | 0.00998 (0.00420, 0.02118) |
| Maluku Utara | Interpersonal violence                        | 70  | 0.2 (0.1, 0.4)    | 0.0000351 (0.0000107, 0.0000891) | 0.00076 (0.00023, 0.00187) | 0.2 (0.1, 0.5)      | 0.0000384 (0.0000118, 0.0001007) | 0.00045 (0.00014, 0.00119) |
| Maluku Utara | Self-harm                                     | 70  | 0.5 (0.2, 1.3)    | 0.0001136 (0.0000388, 0.0002602) | 0.00248 (0.00085, 0.00599) | 0.5 (0.2, 1.2)      | 0.0000958 (0.0000310, 0.0002474) | 0.00112 (0.00036, 0.00289) |
| Maluku Utara | Transport injuries                            | 70  | 3.2 (1.2, 6.6)    | 0.0006583 (0.0002521, 0.0013763) | 0.0143 (0.00535, 0.03055)  | 2.6 (0.9, 6.0)      | 0.0005231 (0.0001789, 0.0012149) | 0.00612 (0.00218, 0.01361) |
| Maluku Utara | Other unintentional injuries                  | 70  | 1.8 (0.7, 3.7)    | 0.000365 (0.0001504, 0.0007645)  | 0.00794 (0.00320, 0.01638) | 1.5 (0.6, 3.4)      | 0.0003079 (0.0001178, 0.0006823) | 0.00361 (0.00139, 0.00801) |
| Maluku Utara | Diarrheal diseases                            | 75  | 6.9 (2.8, 12.3)   | 0.0030965 (0.0012636, 0.0054765) | 0.04844 (0.02124, 0.08433) | 22.3 (10.8, 36.6)   | 0.0079 (0.0038368, 0.0129837)    | 0.06259 (0.03126, 0.10247) |
| Maluku Utara | HIV/AIDS                                      | 75  | 0.1 (0.0, 0.2)    | 0.0000238 (0.0000025, 0.0000836) | 0.00037 (0.00004, 0.00133) | 0.1 (0.0, 0.5)      | 0.0000463 (0.0000055, 0.0001633) | 0.00037 (0.00004, 0.00129) |
| Maluku Utara | Lower respiratory infections                  | 75  | 3.7 (1.4, 7.8)    | 0.0016556 (0.0006046, 0.0034624) | 0.02598 (0.00957, 0.05356) | 10.2 (3.8, 19.7)    | 0.0036278 (0.0013604, 0.0069990) | 0.0287 (0.01026, 0.05675)  |
| Maluku Utara | Malaria                                       | 75  | 1.9 (0.3, 5.7)    | 0.000828 (0.0001218, 0.0025470)  | 0.01292 (0.00192, 0.04139) | 3.1 (0.4, 10.7)     | 0.0011029 (0.0001515, 0.0038039) | 0.00873 (0.00117, 0.03007) |
| Maluku Utara | Tuberculosis                                  | 75  | 12.3 (5.7, 19.5)  | 0.0054701 (0.0025612, 0.0086777) | 0.08564 (0.04230, 0.13587) | 23.1 (10.7, 39.0)   | 0.0082071 (0.0037795, 0.0138261) | 0.06496 (0.02922, 0.10735) |
| Maluku Utara | Other communicable diseases                   | 75  | 2.1 (0.7, 4.3)    | 0.0009491 (0.0003322, 0.0019079) | 0.01485 (0.00522, 0.02936) | 5.3 (2.0, 10.7)     | 0.0018973 (0.0007169, 0.0038029) | 0.01503 (0.00579, 0.02951) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 75  | 0.5 (0.1, 1.3)    | 0.0002209 (0.0000578, 0.0005747) | 0.00345 (0.00089, 0.00876) | 0.4 (0.1, 1.0)      | 0.0001314 (0.0000341, 0.0003451) | 0.00104 (0.00028, 0.00273) |
| Maluku Utara | Breast cancer                                 | 75  | - (0.0, 0.1)      | 0.0000165 (0.0000025, 0.0000513) | 0.00026 (0.00004, 0.00081) | 2.2 (0.7, 4.8)      | 0.0007711 (0.0002478, 0.0017120) | 0.0061 (0.00196, 0.01336)  |
| Maluku Utara | Cervical cancer                               | 75  |                   |                                  |                            | 1.2 (0.2, 3.6)      | 0.000417 (0.0000763, 0.0012707)  | 0.00331 (0.00059, 0.00996) |
| Maluku Utara | Other malignant neoplasms                     | 75  | 2.3 (1.1, 4.4)    | 0.0010425 (0.0004722, 0.0019492) | 0.01634 (0.00761, 0.02953) | 5.6 (2.3, 10.5)     | 0.0019704 (0.0008106, 0.0037305) | 0.01558 (0.00646, 0.02987) |
| Maluku Utara | Cerebrovascular disease                       | 75  | 33.5 (23.0, 45.4) | 0.0149385 (0.0102484, 0.0202280) | 0.23397 (0.16995, 0.29928) | 99.7 (74.7, 128.0)  | 0.0353556 (0.0265002, 0.0454049) | 0.27988 (0.21248, 0.34870) |
| Maluku Utara | Ischemic heart disease                        | 75  | 18.0 (10.2, 27.8) | 0.0080352 (0.0045279, 0.0123741) | 0.12582 (0.07731, 0.18541) | 40.3 (24.2, 61.4)   | 0.0142988 (0.005751, 0.0217941)  | 0.11312 (0.06989, 0.16947) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 75  | 7.5 (3.1, 14.2)   | 0.0033311 (0.0013677, 0.0063443) | 0.05219 (0.02274, 0.10029) | 21.8 (9.3, 41.8)    | 0.0077403 (0.0032923, 0.0148166) | 0.06122 (0.02671, 0.11516) |
| Maluku Utara | Diabetes mellitus                             | 75  | 4.2 (2.3, 7.2)    | 0.0018647 (0.0010424, 0.0032054) | 0.02922 (0.01737, 0.04839) | 16.3 (9.3, 26.4)    | 0.0057695 (0.0032981, 0.0093727) | 0.04563 (0.02689, 0.07263) |
| Maluku Utara | Chronic kidney disease                        | 75  | 3.1 (1.6, 5.0)    | 0.0013887 (0.0007344, 0.0022297) | 0.02174 (0.01256, 0.03419) | 7.4 (4.0, 12.2)     | 0.00264 (0.0014184, 0.0043307)   | 0.02087 (0.01144, 0.03452) |
| Maluku Utara | Cirrhosis                                     | 75  | 3.8 (2.1, 6.4)    | 0.0017092 (0.0009539, 0.0028497) | 0.02677 (0.01568, 0.04256) | 7.0 (4.1, 11.4)     | 0.0024972 (0.0014541, 0.0040507) | 0.01975 (0.01155, 0.03168) |
| Maluku Utara | Chronic respiratory diseases                  | 75  | 19.3 (11.5, 28.9) | 0.0086144 (0.0051164, 0.0128945) | 0.13494 (0.08359, 0.18782) | 32.8 (18.3, 48.5)   | 0.0116189 (0.0064986, 0.0172062) | 0.09197 (0.05336, 0.13631) |
| Maluku Utara | Other non-communicable diseases               | 75  | 18.0 (11.6, 25.7) | 0.0080187 (0.0051902, 0.0114692) | 0.12562 (0.08592, 0.17504) | 49.6 (34.0, 68.8)   | 0.0175824 (0.0120586, 0.0243935) | 0.13912 (0.09753, 0.19125) |
| Maluku Utara | Drowning                                      | 75  | 0.5 (0.1, 1.2)    | 0.0002154 (0.0000551, 0.0005562) | 0.00338 (0.00086, 0.00877) | 0.7 (0.2, 1.9)      | 0.0002524 (0.0000644, 0.0006645) | 0.002 (0.00051, 0.00525)   |
| Maluku Utara | Falls                                         | 75  | 2.5 (1.0, 5.3)    | 0.0011159 (0.0004526, 0.0023796) | 0.01748 (0.00746, 0.03678) | 4.0 (1.7, 8.5)      | 0.0014267 (0.0005956, 0.0030210) | 0.01131 (0.00476, 0.02371) |
| Maluku Utara | Interpersonal violence                        | 75  | 0.1 (0.0, 0.2)    | 0.0000351 (0.0000090, 0.0000939) | 0.00055 (0.00014, 0.00151) | 0.1 (0.0, 0.3)      | 0.0000394 (0.0000094, 0.0001223) | 0.00031 (0.00007, 0.00096) |
| Maluku Utara | Self-harm                                     | 75  | 0.3 (0.1, 0.7)    | 0.0001367 (0.0000437, 0.0003243) | 0.00215 (0.00069, 0.00516) | 0.3 (0.1, 0.8)      | 0.0001189 (0.0000352, 0.0003008) | 0.00094 (0.00028, 0.00242) |
| Maluku Utara | Transport injuries                            | 75  | 1.5 (0.5, 3.3)    | 0.0006726 (0.0002393, 0.0014811) | 0.01054 (0.00378, 0.02383) | 1.5 (0.5, 3.6)      | 0.0005395 (0.0001763, 0.0012892) | 0.00428 (0.00140, 0.01012) |
| Maluku Utara | Other unintentional injuries                  | 75  | 1.0 (0.4, 2.2)    | 0.000468 (0.0001832, 0.0010028)  | 0.00735 (0.00293, 0.01551) | 1.1 (0.4, 2.6)      | 0.0004022 (0.0001504, 0.0009238) | 0.00319 (0.00120, 0.00738) |
| Maluku Utara | Diarrheal diseases                            | 80  | 18.8 (9.4, 30.5)  | 0.0108565 (0.0054218, 0.0175940) | 0.08281 (0.04229, 0.13313) | 48.1 (27.9, 71.5)   | 0.0236343 (0.0137052, 0.0351180) | 0.1078 (0.06241, 0.15916)  |
| Maluku Utara | HIV/AIDS                                      | 80  | 0.1 (0.0, 0.4)    | 0.0000515 (0.0000049, 0.0002045) | 0.00039 (0.00004, 0.00153) | 0.2 (0.0, 0.6)      | 0.0000808 (0.0000086, 0.0003155) | 0.00037 (0.00004, 0.00143) |
| Maluku Utara | Lower respiratory infections                  | 80  | 7.1 (2.7, 14.3)   | 0.0040795 (0.0015519, 0.0082424) | 0.03118 (0.01188, 0.06301) | 17.0 (6.8, 31.5)    | 0.0083488 (0.0033424, 0.0154394) | 0.03805 (0.01510, 0.07121) |
| Maluku Utara | Malaria                                       | 80  | 3.4 (0.5, 11.3)   | 0.001957 (0.0002746, 0.0065272)  | 0.01491 (0.00210, 0.05001) | 3.7 (0.5, 14.2)     | 0.0018288 (0.0002320, 0.0069525) | 0.00834 (0.00105, 0.03095) |
| Maluku Utara | Tuberculosis                                  | 80  | 18.6 (8.4, 30.3)  | 0.0107036 (0.0048370, 0.0174548) | 0.08167 (0.03754, 0.13471) | 24.7 (10.5, 43.4)   | 0.0121486 (0.0051512, 0.0212977) | 0.05537 (0.02341, 0.09641) |
| Maluku Utara | Other communicable diseases                   | 80  | 4.0 (1.5, 7.7)    | 0.0023049 (0.0008715, 0.0044245) | 0.01759 (0.00667, 0.03368) | 8.6 (3.5, 16.2)     | 0.0042448 (0.0017268, 0.0079685) | 0.01936 (0.00795, 0.03611) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 80  | 0.6 (0.1, 1.6)    | 0.0003181 (0.0000806, 0.0008997) | 0.00242 (0.00061, 0.00693) | 0.4 (0.1, 1.0)      | 0.0001727 (0.0000423, 0.0004735) | 0.00079 (0.00019, 0.00216) |
| Maluku Utara | Breast cancer                                 | 80  | - (0.0, 0.1)      | 0.0000244 (0.0000033, 0.0000804) | 0.00019 (0.00003, 0.00063) | 1.4 (0.4, 3.3)      | 0.0006813 (0.0001920, 0.0015966) | 0.0031 (0.00087, 0.00736)  |
| Maluku Utara | Cervical cancer                               | 80  |                   |                                  |                            | 0.9 (0.2, 3.0)      | 0.0004535 (0.0000852, 0.0014550) | 0.00207 (0.00038, 0.00653) |
| Maluku Utara | Other malignant neoplasms                     | 80  | 3.0 (1.4, 5.5)    | 0.0017041 (0.0007837, 0.0031592) | 0.01301 (0.00600, 0.02389) | 4.8 (1.9, 9.2)      | 0.0023415 (0.0009243, 0.0045195) | 0.01067 (0.00423, 0.02057) |
| Maluku Utara | Cerebrovascular disease                       | 80  | 51.5 (36.9, 67.5) | 0.0297019 (0.0212524, 0.0389314) | 0.22672 (0.16578, 0.29218) | 125.3 (95.0, 158.3) | 0.0615364 (0.0466385, 0.0777362) | 0.28055 (0.21311, 0.34786) |
| Maluku Utara | Ischemic heart disease                        | 80  | 25.0 (14.8, 37.4) | 0.0144313 (0.0085355, 0.0215367) | 0.11015 (0.06681, 0.16428) | 45.8 (27.7, 69.3)   | 0.0224961 (0.0135786, 0.0339970) | 0.10253 (0.06311, 0.15485) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 80  | 10.8 (4.5, 20.9)  | 0.0062301 (0.0025864, 0.0120406) | 0.04757 (0.02021, 0.09164) | 23.2 (9.7, 44.0)    | 0.011378 (0.0047475, 0.0216235)  | 0.05186 (0.02165, 0.10112) |
| Maluku Utara | Diabetes mellitus                             | 80  | 5.1 (2.9, 8.8)    | 0.0029654 (0.0016707, 0.0050650) | 0.02265 (0.01305, 0.03834) | 15.1 (8.4, 25.2)    | 0.0073952 (0.0041019, 0.0123835) | 0.0337 (0.01912, 0.05601)  |
| Maluku Utara | Chronic kidney disease                        | 80  | 4.0 (2.1, 6.4)    | 0.0022797 (0.0012281, 0.0036802) | 0.0174 (0.00962, 0.02773)  | 6.7 (3.6, 11.3)     | 0.0033134 (0.0017589, 0.0055652) | 0.01509 (0.00804, 0.02486) |
| Maluku Utara | Cirrhosis                                     | 80  | 5.0 (2.9, 8.2)    | 0.002897 (0.0016700, 0.0047182)  | 0.02212 (0.01302, 0.03582) | 7.8 (4.5, 12.6)     | 0.0038109 (0.0022012, 0.0061723) | 0.01737 (0.01026, 0.02775) |
| Maluku Utara | Chronic respiratory diseases                  | 80  | 30.4 (18.9, 44.1) | 0.0175405 (0.0108651, 0.0254191) | 0.13389 (0.08285, 0.18548) | 36.0 (20.4, 54.4)   | 0.017679 (0.0100558, 0.0267076)  | 0.0806 (0.04531, 0.12155)  |
| Maluku Utara | Other non-communicable diseases               | 80  | 30.4 (20.8, 41.7) | 0.0175387 (0.0119686, 0.0240315) | 0.13391 (0.09238, 0.18164) | 65.3 (46.6, 88.5)   | 0.032063 (0.0228889, 0.0434355)  | 0.14613 (0.10477, 0.19810) |
| Maluku Utara | Drowning                                      | 80  | 0.7 (0.2, 2.1)    | 0.000411 (0.0000979, 0.0011944)  | 0.00314 (0.00075, 0.00916) | 1.1 (0.2, 3.1)      | 0.0005601 (0.0001167, 0.0015430) | 0.00256 (0.00053, 0.00707) |
| Maluku Utara | Falls                                         | 80  | 4.8 (2.1, 9.9)    | 0.0027772 (0.0012081, 0.0056930) | 0.02122 (0.00923, 0.04372) | 7.3 (3.3, 15.0)     | 0.0036055 (0.0016283, 0.0073411) | 0.01644 (0.00763, 0.03398) |
| Maluku Utara | Interpersonal violence                        | 80  | 0.1 (0.0, 0.3)    | 0.0000512 (0.0000079, 0.0001733) | 0.00039 (0.00006, 0.00133) | 0.1 (0.0, 0.3)      | 0.0000403 (0.0000069, 0.0001464) | 0.00018 (0.00003, 0.00067) |
| Maluku Utara | Self-harm                                     | 80  | 0.4 (0.1, 1.0)    | 0.0002401 (0.0000692, 0.0005946) | 0.00184 (0.00052, 0.00468) | 0.3 (0.1, 0.8)      | 0.0001365 (0.0000336, 0.0003787) | 0.00062 (0.00015, 0.00172) |
| Maluku Utara | Transport injuries                            | 80  | 1.9 (0.6, 4.6)    | 0.0011084 (0.0003545, 0.0026504) | 0.00847 (0.00271, 0.02016) | 1.7 (0.5, 4.3)      | 0.0008202 (0.0002502, 0.0021303) | 0.00374 (0.00116, 0.00960) |
| Maluku Utara | Other unintentional injuries                  | 80  | 1.4 (0.5, 3.4)    | 0.0008334 (0.0003009, 0.0019394) | 0.00637 (0.00235, 0.01452) | 1.2 (0.4, 2.9)      | 0.0005932 (0.0001972, 0.0014261) | 0.00271 (0.00090, 0.00658) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                |                                  |                            | Females                |                                  |                            |
|--------------|----------------------------------------------------------|-----|----------------------|----------------------------------|----------------------------|------------------------|----------------------------------|----------------------------|
|              |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Maluku Utara | Diarrheal diseases                                       | All | 96.3 (47.3, 159.6)   | 0.0001688 (0.0000829, 0.0002799) | 0.03861 (0.01871, 0.06269) | 210.6 (103.8, 341.1)   | 0.0003857 (0.0001901, 0.0006248) | 0.04848 (0.02443, 0.07687) |
| Maluku Utara | HIV/AIDS                                                 | All | 13.6 (2.4, 39.8)     | 0.0000239 (0.0000042, 0.0000698) | 0.00546 (0.00097, 0.01578) | 21.7 (3.9, 63.6)       | 0.0000397 (0.0000071, 0.0001166) | 0.00499 (0.00086, 0.01486) |
| Maluku Utara | Lower respiratory infections                             | All | 82.4 (42.2, 141.4)   | 0.0001444 (0.0000740, 0.0002480) | 0.03309 (0.01689, 0.05557) | 114.4 (52.7, 209.9)    | 0.0002095 (0.0000966, 0.0003846) | 0.02631 (0.01213, 0.04765) |
| Maluku Utara | Malaria                                                  | All | 45.9 (9.0, 129.2)    | 0.0000804 (0.0000158, 0.0002266) | 0.01831 (0.00369, 0.05080) | 66.1 (12.9, 192.1)     | 0.000121 (0.0000236, 0.0003518)  | 0.0152 (0.00296, 0.04324)  |
| Maluku Utara | Tuberculosis                                             | All | 248.2 (134.2, 371.1) | 0.0004352 (0.0002353, 0.0006507) | 0.09935 (0.05607, 0.14548) | 347.9 (179.3, 563.9)   | 0.0006373 (0.0003284, 0.0010330) | 0.07989 (0.04276, 0.12311) |
| Maluku Utara | Maternal disorders                                       | All |                      |                                  |                            | 32.6 (13.8, 58.5)      | 0.0000597 (0.0000253, 0.0001071) | 0.00748 (0.00342, 0.01336) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 38.1 (17.3, 64.8)    | 0.0000669 (0.0000304, 0.0001136) | 0.01529 (0.00718, 0.02583) | 24.6 (11.1, 44.0)      | 0.000045 (0.0000204, 0.0000807)  | 0.00565 (0.00264, 0.01024) |
| Maluku Utara | Preterm birth complications                              | All | 21.2 (8.1, 39.7)     | 0.0000371 (0.0000142, 0.0000695) | 0.00848 (0.00337, 0.01554) | 18.6 (8.2, 34.2)       | 0.0000341 (0.0000150, 0.0000626) | 0.00429 (0.00189, 0.00810) |
| Maluku Utara | Other neonatal disorders                                 | All | 27.4 (7.9, 55.3)     | 0.0000481 (0.0000139, 0.0000970) | 0.01104 (0.00322, 0.02281) | 18.0 (4.9, 40.9)       | 0.0000331 (0.0000090, 0.0000749) | 0.00415 (0.00113, 0.00907) |
| Maluku Utara | Other communicable diseases                              | All | 103.8 (50.4, 168.5)  | 0.0001819 (0.0000883, 0.0002954) | 0.04163 (0.02030, 0.06511) | 148.0 (66.1, 246.1)    | 0.0002712 (0.0001211, 0.0004508) | 0.03406 (0.01600, 0.05699) |
| Maluku Utara | Tracheal, bronchus, and lung cancer                      | All | 10.4 (2.6, 28.3)     | 0.0000183 (0.0000046, 0.0000497) | 0.00417 (0.00112, 0.01048) | 8.8 (2.3, 23.0)        | 0.0000162 (0.0000042, 0.0000422) | 0.00203 (0.00055, 0.00514) |
| Maluku Utara | Breast cancer                                            | All | 1.4 (0.4, 3.9)       | 0.0000025 (0.0000007, 0.0000069) | 0.00058 (0.00015, 0.00159) | 138.0 (60.1, 245.4)    | 0.0002527 (0.0001102, 0.0004495) | 0.03162 (0.01397, 0.05590) |
| Maluku Utara | Cervical cancer                                          | All |                      |                                  |                            | 49.2 (11.2, 130.4)     | 0.0000901 (0.0000205, 0.0002388) | 0.01133 (0.00246, 0.03020) |
| Maluku Utara | Other malignant neoplasms                                | All | 91.0 (44.6, 160.3)   | 0.0001596 (0.0000781, 0.0002810) | 0.03645 (0.01856, 0.06223) | 146.2 (61.8, 269.8)    | 0.0002678 (0.0001132, 0.0004942) | 0.03353 (0.01444, 0.06046) |
| Maluku Utara | Cerebrovascular disease                                  | All | 370.6 (253.1, 511.7) | 0.0006497 (0.0004437, 0.0008971) | 0.14834 (0.10551, 0.19557) | 855.8 (619.0, 1,124.2) | 0.0015676 (0.0011338, 0.0020592) | 0.19676 (0.14754, 0.24972) |
| Maluku Utara | Ischemic heart disease                                   | All | 237.6 (139.8, 355.7) | 0.0004166 (0.0002450, 0.0006236) | 0.09509 (0.05902, 0.13790) | 372.6 (224.8, 575.2)   | 0.0006824 (0.0004118, 0.0010537) | 0.08555 (0.05311, 0.12872) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | All | 80.8 (33.3, 154.7)   | 0.0001417 (0.0000584, 0.0002712) | 0.03236 (0.01401, 0.06284) | 188.2 (77.6, 367.0)    | 0.0003447 (0.0001422, 0.0006722) | 0.04319 (0.01859, 0.08133) |
| Maluku Utara | Diabetes mellitus                                        | All | 89.4 (52.0, 149.0)   | 0.0001567 (0.0000911, 0.0002613) | 0.03578 (0.02171, 0.05810) | 258.3 (150.7, 415.7)   | 0.0004731 (0.0002761, 0.0007614) | 0.05928 (0.03589, 0.09369) |
| Maluku Utara | Chronic kidney disease                                   | All | 72.6 (40.3, 117.6)   | 0.0001273 (0.0000707, 0.0002062) | 0.02907 (0.01705, 0.04537) | 135.0 (72.2, 223.1)    | 0.0002474 (0.0001322, 0.0004087) | 0.03095 (0.01728, 0.04971) |
| Maluku Utara | Cirrhosis                                                | All | 100.9 (59.9, 161.7)  | 0.0001769 (0.0001050, 0.0002835) | 0.04041 (0.02430, 0.06296) | 140.3 (82.2, 227.2)    | 0.0002569 (0.0001506, 0.0004162) | 0.03218 (0.01898, 0.05140) |
| Maluku Utara | Chronic respiratory diseases                             | All | 197.7 (111.3, 311.1) | 0.0003466 (0.0001951, 0.0005455) | 0.07914 (0.04576, 0.11871) | 266.4 (140.9, 416.7)   | 0.0004881 (0.0002581, 0.0007632) | 0.06126 (0.03316, 0.09561) |
| Maluku Utara | Other non-communicable diseases                          | All | 253.6 (176.8, 350.2) | 0.0004445 (0.0003100, 0.0006140) | 0.1016 (0.07265, 0.13426)  | 516.1 (363.3, 722.3)   | 0.0009453 (0.0006655, 0.0013230) | 0.11861 (0.08457, 0.15916) |
| Maluku Utara | Drowning                                                 | All | 41.6 (18.0, 75.5)    | 0.000073 (0.0000315, 0.0001323)  | 0.01676 (0.00723, 0.03068) | 26.2 (9.3, 52.4)       | 0.0000481 (0.0000170, 0.0000960) | 0.00605 (0.00215, 0.01240) |
| Maluku Utara | Falls                                                    | All | 40.6 (16.8, 84.2)    | 0.0000712 (0.0000294, 0.0001477) | 0.01628 (0.00667, 0.03294) | 50.0 (20.6, 102.7)     | 0.0000916 (0.0000378, 0.0001882) | 0.01151 (0.00485, 0.02405) |
| Maluku Utara | Interpersonal violence                                   | All | 12.8 (5.9, 24.0)     | 0.0000225 (0.0000104, 0.0000422) | 0.00515 (0.00252, 0.00963) | 17.5 (7.9, 34.7)       | 0.000032 (0.0000144, 0.0000635)  | 0.00402 (0.00179, 0.00796) |
| Maluku Utara | Self-harm                                                | All | 18.6 (8.3, 36.6)     | 0.0000325 (0.0000145, 0.0000642) | 0.00745 (0.00326, 0.01436) | 21.3 (8.7, 45.0)       | 0.000039 (0.0000159, 0.0000825)  | 0.00489 (0.00190, 0.01020) |
| Maluku Utara | Transport injuries                                       | All | 143.7 (81.2, 234.4)  | 0.000252 (0.0001424, 0.0004109)  | 0.05758 (0.03303, 0.09355) | 112.5 (53.2, 209.9)    | 0.000206 (0.0000974, 0.0003844)  | 0.02584 (0.01271, 0.04759) |
| Maluku Utara | Other unintentional injuries                             | All | 56.2 (28.7, 98.5)    | 0.0000985 (0.0000503, 0.0001726) | 0.02253 (0.01147, 0.04009) | 47.3 (21.3, 88.5)      | 0.0000866 (0.0000390, 0.0001622) | 0.01088 (0.00500, 0.02041) |
| Papua Barat  | Diarrheal diseases                                       | NN  | 3.5 (1.1, 7.7)       | 0.0042562 (0.0012984, 0.0095169) | 0.01276 (0.00541, 0.02341) | 2.8 (1.0, 6.2)         | 0.0035926 (0.0012477, 0.0081214) | 0.01424 (0.00632, 0.02594) |
| Papua Barat  | Lower respiratory infections                             | NN  | 41.1 (17.5, 78.1)    | 0.0506675 (0.0215644, 0.0962082) | 0.15123 (0.09552, 0.21872) | 25.5 (10.9, 49.0)      | 0.0332662 (0.0142927, 0.0640409) | 0.13168 (0.08243, 0.19610) |
| Papua Barat  | Malaria                                                  | NN  | 0.4 (0.0, 2.0)       | 0.0004331 (0.0000083, 0.0024872) | 0.00129 (0.00003, 0.00781) | 0.2 (0.0, 1.4)         | 0.0002854 (0.0000059, 0.0017965) | 0.00112 (0.00003, 0.00766) |
| Papua Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 70.4 (29.9, 124.9)   | 0.08673 (0.0368475, 0.1538714)   | 0.26037 (0.17140, 0.35491) | 47.5 (21.6, 89.8)      | 0.0620883 (0.0282079, 0.1172931) | 0.2447 (0.16031, 0.33594)  |
| Papua Barat  | Preterm birth complications                              | NN  | 52.1 (19.6, 104.9)   | 0.0641531 (0.0242027, 0.1292088) | 0.19262 (0.11072, 0.30649) | 47.2 (19.4, 91.7)      | 0.0616923 (0.0252806, 0.1198148) | 0.2432 (0.14263, 0.36629)  |
| Papua Barat  | Other neonatal disorders                                 | NN  | 53.7 (14.2, 112.6)   | 0.0661787 (0.0175496, 0.1386885) | 0.19982 (0.06242, 0.34275) | 35.6 (8.4, 81.6)       | 0.0464465 (0.0110033, 0.1065787) | 0.18389 (0.05677, 0.32920) |
| Papua Barat  | Other communicable diseases                              | NN  | 3.7 (1.2, 8.3)       | 0.0045681 (0.0014987, 0.0102078) | 0.01372 (0.00640, 0.02521) | 2.0 (0.6, 4.9)         | 0.0026746 (0.0008286, 0.0063507) | 0.01052 (0.00439, 0.01975) |
| Papua Barat  | Other malignant neoplasms                                | NN  | 2.1 (0.6, 5.5)       | 0.002621 (0.0006951, 0.0067294)  | 0.00785 (0.00271, 0.01666) | 1.8 (0.5, 4.7)         | 0.0023114 (0.0005985, 0.0061773) | 0.00906 (0.00316, 0.01920) |
| Papua Barat  | Cerebrovascular disease                                  | NN  | 0.3 (0.1, 1.0)       | 0.0004186 (0.0001022, 0.0012238) | 0.00125 (0.00038, 0.00324) | 0.3 (0.1, 1.0)         | 0.0004475 (0.0001074, 0.0012672) | 0.00177 (0.00057, 0.00446) |
| Papua Barat  | Other cardiovascular and circulatory diseases            | NN  | 0.3 (0.1, 1.0)       | 0.0004031 (0.0000669, 0.0012126) | 0.00124 (0.00026, 0.00369) | 0.3 (0.1, 1.1)         | 0.000438 (0.0000721, 0.0014912)  | 0.00171 (0.00037, 0.00513) |
| Papua Barat  | Diabetes mellitus                                        | NN  | 0.1 (0.0, 0.9)       | 0.0001526 (0.0000006, 0.0011385) | 0.00047 (0.00000, 0.00364) | 0.2 (0.0, 1.4)         | 0.000243 (0.0000010, 0.0018543)  | 0.00095 (0.00001, 0.00705) |
| Papua Barat  | Other non-communicable diseases                          | NN  | 28.8 (13.8, 49.3)    | 0.0355221 (0.0170098, 0.0608030) | 0.10677 (0.07863, 0.13885) | 26.7 (12.9, 46.8)      | 0.0348914 (0.0168036, 0.0611691) | 0.13768 (0.10371, 0.17703) |
| Papua Barat  | Drowning                                                 | NN  | 3.3 (0.8, 8.8)       | 0.0040178 (0.0009599, 0.0108822) | 0.01201 (0.00418, 0.02869) | 0.7 (0.1, 2.0)         | 0.000862 (0.0001916, 0.0026717)  | 0.00338 (0.00096, 0.00921) |
| Papua Barat  | Falls                                                    | NN  | 0.9 (0.2, 2.6)       | 0.0010936 (0.0002254, 0.0032107) | 0.00328 (0.00088, 0.00893) | 0.3 (0.0, 0.8)         | 0.0003308 (0.0000609, 0.0010310) | 0.0013 (0.00032, 0.00376)  |
| Papua Barat  | Interpersonal violence                                   | NN  | 1.0 (0.2, 2.8)       | 0.0011964 (0.0002486, 0.0034799) | 0.00355 (0.00100, 0.00881) | 0.5 (0.1, 1.5)         | 0.0006908 (0.0001476, 0.0019872) | 0.00272 (0.00071, 0.00680) |
| Papua Barat  | Transport injuries                                       | NN  | 2.8 (0.6, 7.6)       | 0.0034127 (0.0007747, 0.0093984) | 0.01023 (0.00289, 0.02588) | 0.6 (0.1, 1.8)         | 0.0007958 (0.0001674, 0.0023458) | 0.00314 (0.00082, 0.00837) |
| Papua Barat  | Other unintentional injuries                             | NN  | 5.8 (1.6, 14.6)      | 0.0071938 (0.0019997, 0.0180301) | 0.02154 (0.00803, 0.04263) | 1.7 (0.5, 4.5)         | 0.0022596 (0.0006433, 0.0059206) | 0.00895 (0.00329, 0.01894) |
| Papua Barat  | Diarrheal diseases                                       | PNN | 39.6 (16.0, 72.0)    | 0.0039091 (0.0015759, 0.0071111) | 0.21891 (0.11852, 0.31839) | 42.7 (18.2, 79.6)      | 0.0044645 (0.0019013, 0.0083286) | 0.2724 (0.15769, 0.37662)  |
| Papua Barat  | HIV/AIDS                                                 | PNN | 6.3 (0.6, 20.3)      | 0.0006213 (0.0000639, 0.0020029) | 0.0348 (0.00464, 0.10413)  | 5.1 (0.6, 17.4)        | 0.0005352 (0.0000636, 0.0018195) | 0.03255 (0.00428, 0.09709) |
| Papua Barat  | Lower respiratory infections                             | PNN | 32.5 (13.3, 61.5)    | 0.0032127 (0.0013133, 0.0060690) | 0.17928 (0.10517, 0.26236) | 25.1 (9.8, 48.6)       | 0.0026315 (0.0010292, 0.0050900) | 0.16068 (0.08871, 0.24333) |
| Papua Barat  | Malaria                                                  | PNN | 3.9 (0.1, 21.5)      | 0.0003814 (0.0000096, 0.0021237) | 0.02104 (0.00060, 0.13000) | 3.3 (0.1, 21.6)        | 0.0003448 (0.0000074, 0.0022618) | 0.02044 (0.00062, 0.12609) |
| Papua Barat  | Tuberculosis                                             | PNN | 7.1 (1.8, 17.9)      | 0.0007023 (0.0001800, 0.0017644) | 0.03925 (0.01229, 0.09028) | 6.2 (1.5, 15.5)        | 0.000651 (0.0001557, 0.0016184)  | 0.04001 (0.01199, 0.09177) |
| Papua Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 2.0 (0.5, 5.1)       | 0.0001974 (0.0000500, 0.0005050) | 0.01108 (0.00358, 0.02545) | 1.6 (0.4, 4.0)         | 0.0001692 (0.0000424, 0.0004227) | 0.01039 (0.00345, 0.02317) |
| Papua Barat  | Preterm birth complications                              | PNN | 3.7 (1.0, 9.4)       | 0.0003623 (0.0000992, 0.0009299) | 0.02031 (0.00765, 0.04376) | 4.5 (1.3, 11.2)        | 0.0004715 (0.0001324, 0.0011695) | 0.02867 (0.01087, 0.06161) |
| Papua Barat  | Other neonatal disorders                                 | PNN | 7.1 (1.0, 23.4)      | 0.0007023 (0.0000997, 0.0023122) | 0.03938 (0.00673, 0.11312) | 5.8 (0.8, 19.0)        | 0.0006019 (0.0000881, 0.0019904) | 0.0367 (0.00599, 0.11266)  |
| Papua Barat  | Other communicable diseases                              | PNN | 47.4 (19.5, 87.1)    | 0.0046746 (0.0019269, 0.0086000) | 0.2612 (0.16226, 0.36437)  | 35.3 (14.5, 70.8)      | 0.0036965 (0.0015144, 0.0074129) | 0.2236 (0.13138, 0.32616)  |
| Papua Barat  | Other malignant neoplasms                                | PNN | 1.4 (0.4, 3.2)       | 0.0001342 (0.0000346, 0.0003174) | 0.00748 (0.00260, 0.01562) | 1.4 (0.4, 3.7)         | 0.0001435 (0.0000400, 0.0003878) | 0.00872 (0.00304, 0.01849) |
| Papua Barat  | Cerebrovascular disease                                  | PNN | 0.2 (0.1, 0.6)       | 0.0000216 (0.0000051, 0.0000590) | 0.0012 (0.00036, 0.00306)  | 0.3 (0.1, 0.7)         | 0.0000281 (0.0000064, 0.0000782) | 0.00171 (0.00054, 0.00440) |
| Papua Barat  | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.5)       | 0.0000102 (0.0000005, 0.0000491) | 0.00056 (0.00003, 0.00272) | 0.1 (0.0, 0.6)         | 0.0000129 (0.0000006, 0.0000630) | 0.00075 (0.00005, 0.00352) |
| Papua Barat  | Other cardiovascular and circulatory diseases            | PNN | 0.2 (0.0, 0.7)       | 0.0000208 (0.0000035, 0.0000649) | 0.00118 (0.00024, 0.00361) | 0.3 (0.0, 0.8)         | 0.0000274 (0.0000047, 0.0000886) | 0.00165 (0.00036, 0.00498) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males             |                                  |                             | Females           |                                  |                            |
|-------------|----------------------------------------------------------|-----|-------------------|----------------------------------|-----------------------------|-------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.6)    | 0.000081 (0.000000, 0.0000623)   | 0.0045 (0.00000, 0.00354)   | 0.1 (0.0, 1.1)    | 0.000153 (0.000001, 0.0001152)   | 0.0092 (0.00001, 0.00685)  |
| Papua Barat | Chronic kidney disease                                   | PNN | 1.1 (0.3, 2.5)    | 0.0001077 (0.0000324, 0.0002426) | 0.00598 (0.00245, 0.01210)  | 1.1 (0.3, 2.6)    | 0.0001121 (0.0000345, 0.0002722) | 0.00682 (0.00282, 0.01316) |
| Papua Barat | Other non-communicable diseases                          | PNN | 18.4 (8.3, 32.5)  | 0.0018132 (0.0008226, 0.0032055) | 0.10134 (0.07380, 0.13246)  | 20.8 (9.3, 37.7)  | 0.0021724 (0.0009781, 0.0039435) | 0.13202 (0.09793, 0.17153) |
| Papua Barat | Drowning                                                 | PNN | 2.5 (0.7, 6.4)    | 0.0002483 (0.0000657, 0.0006318) | 0.01384 (0.00492, 0.03209)  | 0.6 (0.1, 1.7)    | 0.0000653 (0.0000152, 0.0001794) | 0.00395 (0.00117, 0.01035) |
| Papua Barat | Falls                                                    | PNN | 0.7 (0.1, 1.9)    | 0.0000654 (0.0000142, 0.0001862) | 0.00365 (0.00102, 0.00972)  | 0.2 (0.0, 0.7)    | 0.0000241 (0.0000050, 0.0000761) | 0.00147 (0.00036, 0.00417) |
| Papua Barat | Interpersonal violence                                   | PNN | 0.7 (0.2, 2.0)    | 0.0000697 (0.0000159, 0.0002015) | 0.00386 (0.00114, 0.00945)  | 0.5 (0.1, 1.3)    | 0.0000491 (0.0000114, 0.0001360) | 0.003 (0.00079, 0.00725)   |
| Papua Barat | Transport injuries                                       | PNN | 2.1 (0.5, 5.4)    | 0.0002082 (0.0000527, 0.0005302) | 0.01166 (0.00343, 0.02817)  | 0.6 (0.1, 1.6)    | 0.0000593 (0.0000128, 0.0004263) | 0.00364 (0.00098, 0.00947) |
| Papua Barat | Other unintentional injuries                             | PNN | 4.3 (1.3, 10.6)   | 0.0004227 (0.0001236, 0.0010508) | 0.02353 (0.00893, 0.04615)  | 1.5 (0.5, 3.6)    | 0.0001622 (0.0000476, 0.0003811) | 0.00992 (0.00368, 0.02070) |
| Papua Barat | Diarrheal diseases                                       | 1   | 16.6 (5.5, 36.3)  | 0.000393 (0.0001302, 0.0008602)  | 0.11773 (0.06127, 0.18816)  | 19.6 (7.1, 41.0)  | 0.0005 (0.0001798, 0.0010444)    | 0.15994 (0.08617, 0.24447) |
| Papua Barat | HIV/AIDS                                                 | 1   | 5.8 (0.6, 18.9)   | 0.0001375 (0.0000134, 0.0004479) | 0.04066 (0.00550, 0.12129)  | 5.2 (0.5, 16.7)   | 0.0001314 (0.0000128, 0.0004263) | 0.04189 (0.00573, 0.12431) |
| Papua Barat | Lower respiratory infections                             | 1   | 28.7 (10.4, 62.2) | 0.0006814 (0.0002461, 0.0014761) | 0.20535 (0.11846, 0.29851)  | 24.9 (9.2, 52.8)  | 0.0006342 (0.0002346, 0.0013451) | 0.20346 (0.11078, 0.30381) |
| Papua Barat | Malaria                                                  | 1   | 1.4 (0.0, 9.7)    | 0.0000329 (0.0000006, 0.0002293) | 0.00968 (0.00023, 0.05603)  | 1.3 (0.0, 9.0)    | 0.0000328 (0.0000007, 0.0002306) | 0.01024 (0.00028, 0.06506) |
| Papua Barat | Tuberculosis                                             | 1   | 6.8 (1.6, 17.8)   | 0.0001163 (0.0000386, 0.0004220) | 0.04835 (0.01520, 0.10688)  | 6.7 (1.6, 17.4)   | 0.0001695 (0.0000410, 0.0004423) | 0.05451 (0.01688, 0.12146) |
| Papua Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1.0 (0.2, 3.0)    | 0.0000234 (0.0000051, 0.0000705) | 0.00698 (0.00199, 0.01714)  | 0.8 (0.2, 2.4)    | 0.0000211 (0.0000049, 0.0000611) | 0.00677 (0.00195, 0.01719) |
| Papua Barat | Preterm birth complications                              | 1   | 0.3 (0.0, 1.2)    | 0.000008 (0.0000011, 0.0000275)  | 0.00241 (0.00043, 0.00813)  | 0.4 (0.1, 1.5)    | 0.000011 (0.0000016, 0.0000391)  | 0.00354 (0.00061, 0.01192) |
| Papua Barat | Other neonatal disorders                                 | 1   | 0.5 (0.0, 3.9)    | 0.0000115 (0.0000001, 0.0000936) | 0.00341 (0.00002, 0.02793)  | 0.4 (0.0, 3.2)    | 0.0000104 (0.0000000, 0.0000824) | 0.00326 (0.00002, 0.02327) |
| Papua Barat | Other communicable diseases                              | 1   | 42.2 (16.7, 83.7) | 0.0010006 (0.0003954, 0.0019843) | 0.30048 (0.20528, 0.38910)  | 35.2 (15.1, 73.1) | 0.0008968 (0.0003838, 0.0018639) | 0.28758 (0.18855, 0.38109) |
| Papua Barat | Other malignant neoplasms                                | 1   | 0.8 (0.2, 2.0)    | 0.0000189 (0.0000047, 0.0000483) | 0.0057 (0.00197, 0.01216)   | 1.0 (0.3, 2.5)    | 0.0000254 (0.0000068, 0.0000632) | 0.00819 (0.00287, 0.01719) |
| Papua Barat | Cerebrovascular disease                                  | 1   | 0.1 (0.0, 0.4)    | 0.0000034 (0.0000007, 0.0000106) | 0.00101 (0.000028, 0.00268) | 0.2 (0.1, 0.7)    | 0.0000056 (0.0000013, 0.0000168) | 0.00176 (0.00055, 0.00462) |
| Papua Barat | Ischemic heart disease                                   | 1   | 0.1 (0.0, 0.3)    | 0.0000015 (0.0000001, 0.0000079) | 0.00047 (0.00003, 0.00227)  | 0.1 (0.0, 0.4)    | 0.0000024 (0.0000001, 0.0000113) | 0.00078 (0.00005, 0.00383) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 1   | 0.1 (0.0, 0.5)    | 0.0000031 (0.0000004, 0.0000107) | 0.00092 (0.00017, 0.00281)  | 0.2 (0.0, 0.7)    | 0.000005 (0.0000008, 0.0000175)  | 0.00159 (0.00034, 0.00484) |
| Papua Barat | Diabetes mellitus                                        | 1   | - (0.0, 0.4)      | 0.0000012 (0.0000000, 0.0000085) | 0.00035 (0.00000, 0.00273)  | 0.1 (0.0, 0.8)    | 0.0000027 (0.0000000, 0.0000207) | 0.00087 (0.00000, 0.00670) |
| Papua Barat | Chronic kidney disease                                   | 1   | 0.6 (0.2, 1.6)    | 0.0000146 (0.0000043, 0.0000372) | 0.0044 (0.00183, 0.00903)   | 0.8 (0.2, 1.8)    | 0.0000191 (0.0000058, 0.0000447) | 0.00619 (0.00255, 0.01216) |
| Papua Barat | Cirrhosis                                                | 1   | 1.2 (0.3, 3.2)    | 0.0000278 (0.0000072, 0.0000764) | 0.00835 (0.00298, 0.01835)  | 0.8 (0.2, 2.0)    | 0.0000199 (0.0000054, 0.0000522) | 0.00641 (0.00218, 0.01512) |
| Papua Barat | Chronic respiratory diseases                             | 1   | 3.1 (0.8, 7.9)    | 0.0000744 (0.0000200, 0.0001867) | 0.02227 (0.00811, 0.04380)  | 1.8 (0.4, 5.1)    | 0.0000047 (0.0000107, 0.0001298) | 0.01498 (0.00471, 0.03391) |
| Papua Barat | Other non-communicable diseases                          | 1   | 10.9 (4.3, 22.5)  | 0.000258 (0.0001010, 0.0005336)  | 0.07762 (0.05228, 0.10853)  | 15.2 (6.3, 30.6)  | 0.0003884 (0.0001613, 0.0007805) | 0.12453 (0.08857, 0.16719) |
| Papua Barat | Drowning                                                 | 1   | 6.4 (1.8, 17.1)   | 0.0001522 (0.0000427, 0.0004064) | 0.04566 (0.01679, 0.09050)  | 1.9 (0.5, 5.6)    | 0.0000488 (0.0000117, 0.0001429) | 0.01565 (0.00517, 0.03587) |
| Papua Barat | Falls                                                    | 1   | 1.2 (0.2, 3.6)    | 0.0000286 (0.0000058, 0.0000859) | 0.00858 (0.00254, 0.02194)  | 0.5 (0.1, 1.6)    | 0.0000129 (0.0000024, 0.0000413) | 0.0041 (0.00104, 0.01115)  |
| Papua Barat | Interpersonal violence                                   | 1   | 1.0 (0.2, 2.7)    | 0.0000247 (0.0000056, 0.0000649) | 0.00745 (0.00217, 0.01718)  | 0.8 (0.2, 2.4)    | 0.0000214 (0.0000048, 0.0000612) | 0.00688 (0.00173, 0.01639) |
| Papua Barat | Transport injuries                                       | 1   | 4.8 (1.2, 13.5)   | 0.0001144 (0.0000294, 0.0003206) | 0.03457 (0.01253, 0.07442)  | 1.6 (0.4, 4.3)    | 0.0000399 (0.0000091, 0.0001105) | 0.01295 (0.00405, 0.03068) |
| Papua Barat | Other unintentional injuries                             | 1   | 6.7 (1.9, 16.8)   | 0.0001588 (0.0000461, 0.0003977) | 0.0476 (0.02025, 0.08987)   | 2.9 (0.8, 7.1)    | 0.0000744 (0.0000203, 0.0001817) | 0.02393 (0.00923, 0.05017) |
| Papua Barat | Diarrheal diseases                                       | 5   | 4.7 (2.4, 7.8)    | 0.0000984 (0.0000490, 0.0001628) | 0.08483 (0.04270, 0.13918)  | 4.8 (2.5, 7.5)    | 0.0001098 (0.0000572, 0.0001707) | 0.12472 (0.06594, 0.19321) |
| Papua Barat | HIV/AIDS                                                 | 5   | 1.2 (0.1, 3.8)    | 0.0000245 (0.0000026, 0.0000788) | 0.02115 (0.00224, 0.06760)  | 0.9 (0.1, 2.9)    | 0.0000204 (0.0000024, 0.0000654) | 0.02314 (0.00270, 0.07011) |
| Papua Barat | Lower respiratory infections                             | 5   | 5.7 (2.8, 9.2)    | 0.0001189 (0.0000592, 0.0001926) | 0.10249 (0.05117, 0.16486)  | 4.2 (2.0, 7.0)    | 0.0000955 (0.0000466, 0.0001588) | 0.10841 (0.05193, 0.17901) |
| Papua Barat | Malaria                                                  | 5   | 0.4 (0.0, 2.3)    | 0.0000081 (0.0000002, 0.0000484) | 0.00702 (0.00020, 0.04103)  | 0.3 (0.0, 1.8)    | 0.000007 (0.0000002, 0.0000417)  | 0.00798 (0.00023, 0.04604) |
| Papua Barat | Tuberculosis                                             | 5   | 1.9 (0.6, 4.2)    | 0.0000398 (0.0000120, 0.0000867) | 0.03431 (0.01035, 0.07393)  | 1.6 (0.5, 3.5)    | 0.0000363 (0.0000110, 0.0000796) | 0.0412 (0.01294, 0.08984)  |
| Papua Barat | Other communicable diseases                              | 5   | 12.0 (7.5, 16.8)  | 0.0002493 (0.0001563, 0.0003499) | 0.21488 (0.13794, 0.29962)  | 8.6 (5.2, 12.1)   | 0.0001954 (0.0001188, 0.0002749) | 0.22193 (0.13898, 0.30991) |
| Papua Barat | Other malignant neoplasms                                | 5   | 1.9 (0.8, 3.7)    | 0.0000406 (0.0000171, 0.0000775) | 0.03498 (0.01510, 0.06622)  | 2.1 (0.9, 4.0)    | 0.0000476 (0.0000212, 0.0000899) | 0.05404 (0.02477, 0.10246) |
| Papua Barat | Cerebrovascular disease                                  | 5   | 0.2 (0.1, 0.5)    | 0.0000051 (0.0000020, 0.0000105) | 0.00438 (0.00176, 0.00933)  | 0.3 (0.1, 0.6)    | 0.0000072 (0.0000031, 0.0000138) | 0.00821 (0.00357, 0.01558) |
| Papua Barat | Ischemic heart disease                                   | 5   | 0.1 (0.0, 0.3)    | 0.0000027 (0.0000009, 0.0000065) | 0.00235 (0.00073, 0.00558)  | 0.2 (0.1, 0.4)    | 0.0000036 (0.0000012, 0.0000081) | 0.00408 (0.00141, 0.00925) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 5   | 0.3 (0.1, 0.8)    | 0.0000054 (0.0000014, 0.0000160) | 0.00463 (0.00118, 0.01344)  | 0.3 (0.1, 0.9)    | 0.0000074 (0.0000020, 0.0000200) | 0.00837 (0.00240, 0.02274) |
| Papua Barat | Diabetes mellitus                                        | 5   | 0.3 (0.1, 0.6)    | 0.0000052 (0.0000017, 0.0000131) | 0.00451 (0.00148, 0.01131)  | 0.5 (0.2, 1.2)    | 0.0000109 (0.0000037, 0.0000262) | 0.01236 (0.00416, 0.02992) |
| Papua Barat | Chronic kidney disease                                   | 5   | 0.5 (0.2, 1.1)    | 0.0000111 (0.0000044, 0.0000225) | 0.00957 (0.00372, 0.01880)  | 0.6 (0.2, 1.1)    | 0.0000128 (0.0000052, 0.0000254) | 0.01452 (0.00588, 0.02874) |
| Papua Barat | Cirrhosis                                                | 5   | 1.3 (0.5, 2.3)    | 0.0000266 (0.0000110, 0.0000488) | 0.02295 (0.00955, 0.04166)  | 0.7 (0.3, 1.4)    | 0.0000169 (0.0000068, 0.0000317) | 0.01921 (0.00786, 0.03606) |
| Papua Barat | Chronic respiratory diseases                             | 5   | 1.1 (0.4, 2.2)    | 0.000022 (0.0000079, 0.0000448)  | 0.01898 (0.00704, 0.03823)  | 0.5 (0.2, 1.1)    | 0.0000117 (0.0000041, 0.0000252) | 0.01333 (0.00460, 0.02880) |
| Papua Barat | Other non-communicable diseases                          | 5   | 4.1 (2.5, 6.4)    | 0.0000851 (0.0000516, 0.0001324) | 0.07332 (0.04597, 0.11353)  | 4.9 (3.2, 7.2)    | 0.0001117 (0.0000720, 0.0001641) | 0.12688 (0.08212, 0.18445) |
| Papua Barat | Drowning                                                 | 5   | 9.2 (4.9, 14.3)   | 0.0001906 (0.0001022, 0.0002987) | 0.1643 (0.08628, 0.25324)   | 3.4 (1.5, 6.2)    | 0.0000773 (0.0000337, 0.0001408) | 0.0878 (0.03888, 0.16004)  |
| Papua Barat | Falls                                                    | 5   | 0.9 (0.3, 2.1)    | 0.0000197 (0.0000067, 0.0000431) | 0.01698 (0.00587, 0.03814)  | 0.4 (0.1, 1.1)    | 0.0000099 (0.0000018, 0.0000240) | 0.01125 (0.00344, 0.02710) |
| Papua Barat | Interpersonal violence                                   | 5   | 0.4 (0.1, 0.9)    | 0.0000078 (0.0000023, 0.0000190) | 0.00668 (0.00198, 0.01556)  | 0.3 (0.1, 0.8)    | 0.0000075 (0.0000022, 0.0000182) | 0.00853 (0.00254, 0.02077) |
| Papua Barat | Transport injuries                                       | 5   | 6.8 (3.0, 12.0)   | 0.0001418 (0.0000622, 0.0002496) | 0.12229 (0.05351, 0.21138)  | 2.7 (1.0, 5.3)    | 0.0000608 (0.0000226, 0.0001203) | 0.06913 (0.02581, 0.13876) |
| Papua Barat | Other unintentional injuries                             | 5   | 2.8 (1.2, 5.5)    | 0.0000573 (0.0000258, 0.0001146) | 0.04939 (0.02235, 0.09543)  | 1.4 (0.5, 3.0)    | 0.0000308 (0.0000118, 0.0000672) | 0.03492 (0.01327, 0.07604) |
| Papua Barat | Diarrheal diseases                                       | 10  | 1.8 (0.7, 3.4)    | 0.0000421 (0.0000171, 0.0000793) | 0.04288 (0.01740, 0.08087)  | 2.3 (1.0, 4.1)    | 0.0000595 (0.0000245, 0.0001059) | 0.064 (0.02661, 0.11580)   |
| Papua Barat | HIV/AIDS                                                 | 10  | 0.8 (0.1, 2.7)    | 0.00002 (0.0000028, 0.0000625)   | 0.02033 (0.00280, 0.06345)  | 0.8 (0.1, 2.3)    | 0.0000199 (0.0000026, 0.0000604) | 0.02144 (0.00288, 0.06475) |
| Papua Barat | Lower respiratory infections                             | 10  | 2.7 (1.0, 5.0)    | 0.0000626 (0.0000244, 0.0001174) | 0.06372 (0.02565, 0.11865)  | 2.4 (0.9, 4.6)    | 0.0000613 (0.0000242, 0.0001170) | 0.06602 (0.02619, 0.12712) |
| Papua Barat | Malaria                                                  | 10  | 0.5 (0.0, 3.0)    | 0.0000119 (0.0000005, 0.0000695) | 0.01213 (0.00047, 0.07207)  | 0.5 (0.0, 2.9)    | 0.0000123 (0.0000004, 0.0000755) | 0.01321 (0.00046, 0.08155) |
| Papua Barat | Tuberculosis                                             | 10  | 2.9 (1.1, 5.4)    | 0.000069 (0.0000257, 0.0001280)  | 0.07018 (0.02661, 0.12961)  | 2.8 (1.1, 5.0)    | 0.0000721 (0.0000280, 0.0001293) | 0.07763 (0.03102, 0.14134) |
| Papua Barat | Maternal disorders                                       | 10  |                   |                                  |                             | 0.2 (0.0, 0.5)    | 0.0000048 (0.0000008, 0.0000127) | 0.0052 (0.00091, 0.01382)  |
| Papua Barat | Other communicable diseases                              | 10  | 6.8 (3.9, 10.2)   | 0.0001609 (0.0000908, 0.0002406) | 0.16381 (0.09410, 0.24061)  | 6.2 (3.6, 9.2)    | 0.0001593 (0.0000915, 0.0002374) | 0.17132 (0.09904, 0.25086) |
| Papua Barat | Other malignant neoplasms                                | 10  | 2.2 (1.0, 3.8)    | 0.0000512 (0.0000233, 0.0000901) | 0.05215 (0.02417, 0.09267)  | 2.8 (1.4, 4.9)    | 0.0000731 (0.0000351, 0.0001268) | 0.07875 (0.03860, 0.13707) |
| Papua Barat | Cerebrovascular disease                                  | 10  | 0.3 (0.1, 0.6)    | 0.0000074 (0.0000034, 0.0000139) | 0.00753 (0.00346, 0.01415)  | 0.5 (0.2, 0.9)    | 0.0000129 (0.0000064, 0.0000227) | 0.01385 (0.00694, 0.02498) |
| Papua Barat | Ischemic heart disease                                   | 10  | 0.2 (0.1, 0.5)    | 0.0000058 (0.0000025, 0.0000121) | 0.00595 (0.00246, 0.01212)  | 0.4 (0.2, 0.7)    | 0.0000091 (0.0000040, 0.0000180) | 0.0098 (0.00432, 0.01903)  |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males             |                                  |                            | Females          |                                  |                            |
|-------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Other cardiovascular and circulatory diseases | 10  | 0.3 (0.1, 0.8)    | 0.000007 (0.0000023, 0.0000180)  | 0.00716 (0.00238, 0.01834) | 0.5 (0.2, 1.1)   | 0.0000117 (0.0000041, 0.0000276) | 0.01259 (0.00447, 0.02996) |
| Papua Barat | Diabetes mellitus                             | 10  | 0.3 (0.1, 0.6)    | 0.0000065 (0.0000028, 0.0000136) | 0.0066 (0.00286, 0.01431)  | 0.6 (0.3, 1.3)   | 0.0000164 (0.0000070, 0.0000342) | 0.0176 (0.00761, 0.03663)  |
| Papua Barat | Chronic kidney disease                        | 10  | 0.6 (0.3, 1.0)    | 0.0000135 (0.0000065, 0.0000245) | 0.01376 (0.00660, 0.02525) | 0.7 (0.4, 1.3)   | 0.0000186 (0.0000091, 0.0000325) | 0.01995 (0.00986, 0.03471) |
| Papua Barat | Cirrhosis                                     | 10  | 1.1 (0.5, 2.0)    | 0.000027 (0.0000129, 0.0000474)  | 0.02747 (0.01338, 0.04720) | 0.8 (0.4, 1.5)   | 0.0000215 (0.0000099, 0.0000398) | 0.02309 (0.01082, 0.04235) |
| Papua Barat | Chronic respiratory diseases                  | 10  | 1.4 (0.6, 2.6)    | 0.0000332 (0.0000145, 0.0000612) | 0.03379 (0.01477, 0.06167) | 0.8 (0.3, 1.6)   | 0.0000214 (0.0000086, 0.0000424) | 0.02307 (0.00939, 0.04574) |
| Papua Barat | Other non-communicable diseases               | 10  | 3.7 (2.4, 5.5)    | 0.000088 (0.0000559, 0.0001302)  | 0.08959 (0.05714, 0.13241) | 5.4 (3.6, 7.8)   | 0.0001396 (0.0000924, 0.0001993) | 0.15023 (0.10005, 0.21166) |
| Papua Barat | Drowning                                      | 10  | 4.2 (1.9, 7.5)    | 0.0000985 (0.0000454, 0.0001767) | 0.10026 (0.04480, 0.17901) | 1.9 (0.7, 3.9)   | 0.0000485 (0.0000179, 0.0001010) | 0.05217 (0.01938, 0.10798) |
| Papua Barat | Falls                                         | 10  | 0.7 (0.2, 1.7)    | 0.0000164 (0.0000058, 0.0000398) | 0.01672 (0.00594, 0.04200) | 0.4 (0.1, 1.0)   | 0.0000102 (0.0000032, 0.0000265) | 0.01096 (0.00353, 0.02889) |
| Papua Barat | Interpersonal violence                        | 10  | 0.5 (0.2, 0.9)    | 0.0000109 (0.0000046, 0.0000222) | 0.01105 (0.00469, 0.02261) | 0.5 (0.2, 1.0)   | 0.0000117 (0.0000043, 0.0000257) | 0.01255 (0.00472, 0.02754) |
| Papua Barat | Self-harm                                     | 10  | 0.5 (0.2, 1.2)    | 0.0000122 (0.0000036, 0.0000290) | 0.01241 (0.00369, 0.02956) | 0.4 (0.1, 1.1)   | 0.0000112 (0.0000031, 0.0000272) | 0.01206 (0.00343, 0.02890) |
| Papua Barat | Transport injuries                            | 10  | 7.9 (4.3, 12.1)   | 0.0001861 (0.0001018, 0.0002838) | 0.18949 (0.10301, 0.28925) | 4.0 (1.7, 7.3)   | 0.0001018 (0.0000443, 0.0001868) | 0.10964 (0.04896, 0.19905) |
| Papua Barat | Other unintentional injuries                  | 10  | 2.2 (1.1, 4.4)    | 0.0000521 (0.0000248, 0.0000976) | 0.05301 (0.02500, 0.09647) | 1.3 (0.5, 2.6)   | 0.0000324 (0.0000134, 0.0000662) | 0.03486 (0.01437, 0.07252) |
| Papua Barat | Diarrheal diseases                            | 15  | 0.9 (0.2, 2.1)    | 0.000023 (0.0000063, 0.0000532)  | 0.0179 (0.00496, 0.04057)  | 1.4 (0.4, 3.0)   | 0.0000382 (0.0000110, 0.0000810) | 0.02455 (0.00718, 0.05180) |
| Papua Barat | HIV/AIDS                                      | 15  | 0.7 (0.1, 2.6)    | 0.0000184 (0.0000020, 0.0000659) | 0.01431 (0.00156, 0.04731) | 0.8 (0.1, 2.6)   | 0.0000212 (0.0000021, 0.0000710) | 0.01364 (0.00134, 0.04351) |
| Papua Barat | Lower respiratory infections                  | 15  | 1.2 (0.4, 2.9)    | 0.0000315 (0.0000095, 0.0000731) | 0.02458 (0.00770, 0.05582) | 1.2 (0.4, 2.9)   | 0.000034 (0.0000106, 0.0000788)  | 0.02185 (0.00699, 0.05205) |
| Papua Barat | Malaria                                       | 15  | 0.8 (0.0, 3.7)    | 0.0000215 (0.0000010, 0.0000953) | 0.01687 (0.00081, 0.07508) | 1.0 (0.0, 4.5)   | 0.000026 (0.0000013, 0.0001217)  | 0.01666 (0.00081, 0.07687) |
| Papua Barat | Tuberculosis                                  | 15  | 4.5 (2.1, 7.8)    | 0.0001146 (0.0000539, 0.0001980) | 0.08926 (0.04285, 0.14968) | 4.6 (2.2, 7.7)   | 0.0001269 (0.0000609, 0.0002092) | 0.08146 (0.04102, 0.13581) |
| Papua Barat | Maternal disorders                            | 15  |                   |                                  |                            | 2.2 (1.1, 4.0)   | 0.0000596 (0.0000294, 0.0001099) | 0.0382 (0.01894, 0.06985)  |
| Papua Barat | Other communicable diseases                   | 15  | 4.2 (1.6, 7.3)    | 0.0001084 (0.0000402, 0.0001861) | 0.08443 (0.03162, 0.13667) | 4.6 (1.8, 7.6)   | 0.0001251 (0.0000487, 0.0002082) | 0.08026 (0.03037, 0.13303) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 15  | 0.2 (0.0, 0.6)    | 0.0000048 (0.0000008, 0.0000150) | 0.00378 (0.00058, 0.01194) | 0.1 (0.0, 0.4)   | 0.0000034 (0.0000005, 0.0000112) | 0.00218 (0.00031, 0.00695) |
| Papua Barat | Breast cancer                                 | 15  | - (0.0, 0.0)      | 0.0000003 (0.0000000, 0.0000012) | 0.00022 (0.00002, 0.00095) | 0.5 (0.1, 1.6)   | 0.0000149 (0.0000026, 0.0000444) | 0.00957 (0.00176, 0.02861) |
| Papua Barat | Cervical cancer                               | 15  |                   |                                  |                            | 0.5 (0.1, 1.5)   | 0.0000125 (0.0000016, 0.0000412) | 0.00805 (0.00114, 0.02557) |
| Papua Barat | Other malignant neoplasms                     | 15  | 2.3 (1.0, 4.3)    | 0.00006 (0.0000267, 0.0001100)   | 0.04673 (0.02187, 0.08346) | 4.2 (1.9, 7.3)   | 0.000115 (0.0000521, 0.0001994)  | 0.07387 (0.03348, 0.12819) |
| Papua Barat | Cerebrovascular disease                       | 15  | 0.6 (0.3, 1.0)    | 0.0000141 (0.0000066, 0.0000253) | 0.01103 (0.00539, 0.01998) | 1.1 (0.5, 1.9)   | 0.0000287 (0.0000136, 0.0000509) | 0.01845 (0.00899, 0.03212) |
| Papua Barat | Ischemic heart disease                        | 15  | 0.7 (0.3, 1.4)    | 0.0000186 (0.0000083, 0.0000352) | 0.01452 (0.00678, 0.02691) | 1.1 (0.5, 2.0)   | 0.0000292 (0.0000133, 0.0000555) | 0.01876 (0.00873, 0.03495) |
| Papua Barat | Other cardiovascular and circulatory diseases | 15  | 0.4 (0.1, 1.1)    | 0.0000112 (0.0000038, 0.0000276) | 0.00871 (0.00306, 0.02085) | 0.9 (0.3, 2.0)   | 0.0000236 (0.0000080, 0.0000556) | 0.01517 (0.00530, 0.03556) |
| Papua Barat | Diabetes mellitus                             | 15  | 0.4 (0.2, 0.8)    | 0.0000101 (0.0000040, 0.0000206) | 0.00789 (0.00331, 0.01527) | 1.2 (0.5, 2.3)   | 0.0000328 (0.0000134, 0.0000640) | 0.02106 (0.00890, 0.04066) |
| Papua Barat | Chronic kidney disease                        | 15  | 0.8 (0.4, 1.4)    | 0.0000193 (0.0000096, 0.0000346) | 0.01503 (0.00787, 0.02673) | 1.2 (0.6, 2.3)   | 0.0000341 (0.0000171, 0.0000615) | 0.02187 (0.01108, 0.03853) |
| Papua Barat | Cirrhosis                                     | 15  | 1.3 (0.6, 2.2)    | 0.0000328 (0.0000161, 0.0000573) | 0.02256 (0.01308, 0.04362) | 1.2 (0.6, 2.3)   | 0.0000341 (0.0000160, 0.0000629) | 0.02189 (0.01039, 0.03977) |
| Papua Barat | Chronic respiratory diseases                  | 15  | 1.1 (0.5, 2.2)    | 0.0000293 (0.0000123, 0.0000572) | 0.02285 (0.00980, 0.04324) | 1.0 (0.4, 2.2)   | 0.0000284 (0.0000105, 0.0000591) | 0.01824 (0.00696, 0.03765) |
| Papua Barat | Other non-communicable diseases               | 15  | 4.2 (2.7, 6.2)    | 0.000108 (0.0000691, 0.0001580)  | 0.08429 (0.05555, 0.12144) | 7.6 (4.9, 11.1)  | 0.0002077 (0.0001343, 0.0003020) | 0.13335 (0.08972, 0.18730) |
| Papua Barat | Drowning                                      | 15  | 2.2 (0.9, 4.5)    | 0.0000568 (0.0000237, 0.0001158) | 0.04431 (0.01865, 0.08785) | 1.3 (0.4, 3.0)   | 0.0000356 (0.0000122, 0.0000822) | 0.02282 (0.00815, 0.04936) |
| Papua Barat | Falls                                         | 15  | 0.6 (0.2, 1.4)    | 0.0000153 (0.0000058, 0.0000366) | 0.01193 (0.00046, 0.02734) | 0.5 (0.2, 1.2)   | 0.0000127 (0.0000041, 0.0000322) | 0.00814 (0.00266, 0.02027) |
| Papua Barat | Interpersonal violence                        | 15  | 0.9 (0.5, 1.6)    | 0.0000241 (0.0000117, 0.0000417) | 0.0188 (0.00940, 0.03322)  | 1.2 (0.5, 2.5)   | 0.0000338 (0.0000141, 0.0000687) | 0.02168 (0.00928, 0.04309) |
| Papua Barat | Self-harm                                     | 15  | 0.9 (0.3, 1.9)    | 0.0000232 (0.0000081, 0.0000488) | 0.01815 (0.00676, 0.03855) | 1.0 (0.3, 2.4)   | 0.0000279 (0.0000084, 0.0000654) | 0.01789 (0.00551, 0.04085) |
| Papua Barat | Transport injuries                            | 15  | 18.1 (12.6, 24.3) | 0.0004612 (0.0003212, 0.0006201) | 0.35993 (0.25697, 0.45159) | 14.3 (8.5, 21.1) | 0.0003904 (0.0002315, 0.0005751) | 0.2508 (0.15130, 0.36005)  |
| Papua Barat | Other unintentional injuries                  | 15  | 3.0 (1.5, 5.2)    | 0.0000754 (0.0000395, 0.0001327) | 0.05891 (0.03213, 0.10046) | 2.3 (1.0, 4.4)   | 0.0000617 (0.0000269, 0.0001195) | 0.0396 (0.01801, 0.07903)  |
| Papua Barat | Diarrheal diseases                            | 20  | 1.0 (0.3, 2.2)    | 0.0000235 (0.0000064, 0.0000522) | 0.01447 (0.00374, 0.03130) | 1.5 (0.4, 3.1)   | 0.0000385 (0.0000109, 0.0000804) | 0.01817 (0.00526, 0.03741) |
| Papua Barat | HIV/AIDS                                      | 20  | 2.6 (0.4, 7.3)    | 0.00006 (0.0000092, 0.0001706)   | 0.03694 (0.00622, 0.10444) | 2.6 (0.4, 7.1)   | 0.0000662 (0.0000104, 0.0001848) | 0.03124 (0.00507, 0.08901) |
| Papua Barat | Lower respiratory infections                  | 20  | 1.2 (0.4, 3.0)    | 0.0000292 (0.0000084, 0.0000693) | 0.01799 (0.00563, 0.04270) | 1.1 (0.3, 2.6)   | 0.0000288 (0.0000089, 0.0000668) | 0.0136 (0.00422, 0.03244)  |
| Papua Barat | Malaria                                       | 20  | 1.3 (0.1, 5.6)    | 0.0000306 (0.0000015, 0.0001300) | 0.01899 (0.00095, 0.07567) | 1.3 (0.1, 5.6)   | 0.0000339 (0.0000016, 0.0001456) | 0.01599 (0.00077, 0.07030) |
| Papua Barat | Tuberculosis                                  | 20  | 10.5 (5.3, 17.2)  | 0.0002443 (0.0001228, 0.0004027) | 0.15051 (0.08161, 0.23271) | 8.6 (4.0, 14.0)  | 0.0002222 (0.0001024, 0.0003632) | 0.10475 (0.05133, 0.16780) |
| Papua Barat | Maternal disorders                            | 20  |                   |                                  |                            | 6.7 (3.7, 10.8)  | 0.0001727 (0.0000965, 0.0002801) | 0.08147 (0.04635, 0.12669) |
| Papua Barat | Other communicable diseases                   | 20  | 5.9 (2.1, 10.3)   | 0.0001375 (0.0000494, 0.0002408) | 0.08472 (0.03072, 0.13596) | 6.2 (2.3, 10.4)  | 0.0001603 (0.0000608, 0.0002694) | 0.07556 (0.02902, 0.12195) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 20  | 0.2 (0.0, 0.5)    | 0.0000035 (0.0000005, 0.0000119) | 0.0022 (0.00033, 0.00735)  | 0.2 (0.0, 0.8)   | 0.0000066 (0.0000011, 0.0000198) | 0.00297 (0.00055, 0.00924) |
| Papua Barat | Breast cancer                                 | 20  | - (0.0, 0.1)      | 0.0000005 (0.0000001, 0.0000017) | 0.00031 (0.00005, 0.00110) | 2.1 (0.7, 4.6)   | 0.0000553 (0.0000170, 0.0001203) | 0.02625 (0.00800, 0.05566) |
| Papua Barat | Cervical cancer                               | 20  |                   |                                  |                            | 1.3 (0.2, 3.6)   | 0.0000332 (0.0000061, 0.0000944) | 0.01568 (0.00303, 0.04441) |
| Papua Barat | Other malignant neoplasms                     | 20  | 3.1 (1.3, 5.8)    | 0.0000719 (0.0000296, 0.0001361) | 0.04431 (0.01959, 0.08049) | 6.3 (2.6, 11.0)  | 0.0001624 (0.0000682, 0.0002842) | 0.07666 (0.03385, 0.13527) |
| Papua Barat | Cerebrovascular disease                       | 20  | 1.4 (0.7, 2.4)    | 0.0000319 (0.0000168, 0.0000570) | 0.01969 (0.01076, 0.03281) | 2.3 (1.2, 3.8)   | 0.0000596 (0.0000316, 0.0000995) | 0.02814 (0.01560, 0.04664) |
| Papua Barat | Ischemic heart disease                        | 20  | 1.8 (0.9, 3.2)    | 0.0000419 (0.0000203, 0.0000758) | 0.02586 (0.01320, 0.04475) | 1.8 (0.9, 3.3)   | 0.0000472 (0.0000223, 0.0000867) | 0.0223 (0.01081, 0.03909)  |
| Papua Barat | Other cardiovascular and circulatory diseases | 20  | 0.9 (0.3, 2.2)    | 0.0000215 (0.0000076, 0.0000509) | 0.01323 (0.00496, 0.03001) | 1.8 (0.7, 3.8)   | 0.0000455 (0.0000178, 0.0000993) | 0.02153 (0.00825, 0.04737) |
| Papua Barat | Diabetes mellitus                             | 20  | 0.5 (0.2, 0.9)    | 0.0000118 (0.0000050, 0.0000222) | 0.00728 (0.00338, 0.01334) | 1.5 (0.7, 2.8)   | 0.0000391 (0.0000174, 0.0000715) | 0.01844 (0.00844, 0.03339) |
| Papua Barat | Chronic kidney disease                        | 20  | 1.6 (0.8, 2.8)    | 0.0000373 (0.0000194, 0.0000650) | 0.02307 (0.01247, 0.03896) | 2.5 (1.3, 4.5)   | 0.0000657 (0.0000337, 0.0001167) | 0.03101 (0.01674, 0.05220) |
| Papua Barat | Cirrhosis                                     | 20  | 2.5 (1.3, 4.4)    | 0.0000592 (0.0000299, 0.0001018) | 0.03651 (0.01956, 0.06150) | 2.5 (1.2, 4.6)   | 0.0000657 (0.0000317, 0.0001179) | 0.03099 (0.01515, 0.05559) |
| Papua Barat | Chronic respiratory diseases                  | 20  | 2.9 (1.4, 5.4)    | 0.0000689 (0.0000320, 0.0001262) | 0.04248 (0.02086, 0.07339) | 3.3 (1.5, 6.1)   | 0.0000854 (0.0000384, 0.0001586) | 0.04033 (0.01889, 0.07478) |
| Papua Barat | Other non-communicable diseases               | 20  | 5.4 (3.3, 8.2)    | 0.0001264 (0.0000781, 0.0001910) | 0.07816 (0.04898, 0.11606) | 9.1 (5.7, 13.4)  | 0.0002358 (0.0001465, 0.0003480) | 0.11128 (0.07213, 0.16163) |
| Papua Barat | Drowning                                      | 20  | 1.6 (0.6, 3.7)    | 0.0000378 (0.0000132, 0.0000860) | 0.02334 (0.00815, 0.05254) | 1.0 (0.3, 2.3)   | 0.0000252 (0.0000074, 0.0000592) | 0.01189 (0.00356, 0.02741) |
| Papua Barat | Falls                                         | 20  | 0.6 (0.2, 1.5)    | 0.0000146 (0.0000050, 0.0000347) | 0.00898 (0.00319, 0.02150) | 0.5 (0.1, 1.2)   | 0.0000124 (0.0000039, 0.0000315) | 0.00588 (0.00189, 0.01474) |
| Papua Barat | Interpersonal violence                        | 20  | 1.5 (0.7, 2.8)    | 0.000034 (0.0000156, 0.0000658)  | 0.02101 (0.00983, 0.03909) | 1.6 (0.6, 3.5)   | 0.0000424 (0.0000161, 0.0000916) | 0.01999 (0.00773, 0.04243) |
| Papua Barat | Self-harm                                     | 20  | 1.2 (0.4, 2.7)    | 0.000029 (0.0000095, 0.0000624)  | 0.01797 (0.00609, 0.03827) | 1.2 (0.3, 2.6)   | 0.0000302 (0.0000085, 0.0000677) | 0.01421 (0.00403, 0.03179) |
| Papua Barat | Transport injuries                            | 20  | 17.8 (10.8, 26.5) | 0.0004148 (0.0002529, 0.0006197) | 0.25609 (0.16585, 0.34782) | 12.2 (6.4, 20.2) | 0.0003147 (0.0001663, 0.0005233) | 0.14857 (0.08021, 0.23632) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males            |                                  |                            | Females          |                                  |                            |
|-------------|-----------------------------------------------|-----|------------------|----------------------------------|----------------------------|------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Other unintentional injuries                  | 20  | 3.9 (1.9, 6.8)   | 0.0000904 (0.0000435, 0.0001596) | 0.05588 (0.02828, 0.09921) | 2.7 (1.1, 5.6)   | 0.0000701 (0.0000276, 0.0001455) | 0.0331 (0.01364, 0.06900)  |
| Papua Barat | Diarrheal diseases                            | 25  | 1.6 (0.4, 3.3)   | 0.0000341 (0.0000094, 0.0000726) | 0.0176 (0.00491, 0.03659)  | 2.6 (0.8, 5.3)   | 0.0000639 (0.0000192, 0.0001318) | 0.0229 (0.00674, 0.04564)  |
| Papua Barat | HIV/AIDS                                      | 25  | 5.0 (0.8, 12.9)  | 0.0001078 (0.0000178, 0.0002786) | 0.0555 (0.00894, 0.14090)  | 5.4 (0.9, 13.4)  | 0.0001342 (0.0000215, 0.0003330) | 0.04817 (0.00817, 0.12042) |
| Papua Barat | Lower respiratory infections                  | 25  | 1.4 (0.4, 3.5)   | 0.0000297 (0.0000086, 0.0000749) | 0.01534 (0.00452, 0.03704) | 1.3 (0.4, 3.4)   | 0.0000333 (0.0000099, 0.0000853) | 0.01197 (0.00355, 0.03005) |
| Papua Barat | Malaria                                       | 25  | 1.6 (0.1, 6.9)   | 0.0000354 (0.0000019, 0.0001505) | 0.01837 (0.00094, 0.07426) | 1.7 (0.1, 7.8)   | 0.0000429 (0.0000021, 0.0001942) | 0.01536 (0.00077, 0.06821) |
| Papua Barat | Tuberculosis                                  | 25  | 15.8 (7.9, 25.6) | 0.0003431 (0.0001708, 0.0005548) | 0.17684 (0.09162, 0.26705) | 13.4 (6.3, 22.0) | 0.0003325 (0.0001556, 0.0005470) | 0.1193 (0.05775, 0.19102)  |
| Papua Barat | Maternal disorders                            | 25  |                  |                                  |                            | 7.7 (4.4, 12.6)  | 0.0001921 (0.0001082, 0.0003140) | 0.06889 (0.04015, 0.10594) |
| Papua Barat | Other communicable diseases                   | 25  | 6.8 (2.5, 11.8)  | 0.0001479 (0.0000534, 0.0002557) | 0.07626 (0.02760, 0.12319) | 8.1 (3.0, 13.8)  | 0.0001999 (0.0000749, 0.0003433) | 0.07163 (0.02775, 0.11575) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 25  | 0.2 (0.0, 0.6)   | 0.0000035 (0.0000005, 0.0000123) | 0.00183 (0.00025, 0.00642) | 0.4 (0.1, 1.2)   | 0.0000095 (0.0000018, 0.0000293) | 0.0034 (0.00065, 0.01044)  |
| Papua Barat | Breast cancer                                 | 25  | - (0.0, 0.1)     | 0.0000005 (0.0000001, 0.0000019) | 0.00028 (0.00005, 0.00098) | 5.3 (1.9, 10.5)  | 0.0001314 (0.0000464, 0.0002612) | 0.04712 (0.01674, 0.08923) |
| Papua Barat | Cervical cancer                               | 25  |                  |                                  |                            | 2.5 (0.6, 7.1)   | 0.0000632 (0.0000140, 0.0001769) | 0.02267 (0.00527, 0.06137) |
| Papua Barat | Other malignant neoplasms                     | 25  | 5.0 (2.1, 9.0)   | 0.0001076 (0.0000465, 0.0001956) | 0.05545 (0.02554, 0.09530) | 8.4 (3.6, 15.0)  | 0.0002085 (0.0000898, 0.0003726) | 0.07484 (0.03200, 0.13448) |
| Papua Barat | Cerebrovascular disease                       | 25  | 3.0 (1.7, 4.9)   | 0.0000652 (0.0000373, 0.0001060) | 0.03364 (0.02015, 0.05208) | 4.8 (2.8, 7.8)   | 0.0001202 (0.0000685, 0.0001932) | 0.04314 (0.02558, 0.06659) |
| Papua Barat | Ischemic heart disease                        | 25  | 4.3 (2.3, 7.2)   | 0.0000933 (0.0000503, 0.0001556) | 0.04816 (0.02756, 0.07704) | 3.9 (1.9, 6.8)   | 0.0000963 (0.0000477, 0.0001678) | 0.03455 (0.01790, 0.05858) |
| Papua Barat | Other cardiovascular and circulatory diseases | 25  | 1.5 (0.6, 3.6)   | 0.0000329 (0.0000126, 0.0000771) | 0.01697 (0.00674, 0.03719) | 2.8 (1.1, 6.1)   | 0.0000704 (0.0000279, 0.0001504) | 0.02529 (0.01009, 0.05518) |
| Papua Barat | Diabetes mellitus                             | 25  | 1.0 (0.5, 1.8)   | 0.0000225 (0.0000107, 0.0000389) | 0.01163 (0.00590, 0.01973) | 2.9 (1.4, 5.2)   | 0.0000728 (0.0000358, 0.0001300) | 0.02609 (0.01308, 0.04460) |
| Papua Barat | Chronic kidney disease                        | 25  | 2.2 (1.2, 3.8)   | 0.0000486 (0.0000266, 0.0000824) | 0.02508 (0.01427, 0.04078) | 3.3 (1.8, 5.5)   | 0.0000824 (0.0000458, 0.0001369) | 0.02955 (0.01685, 0.04746) |
| Papua Barat | Cirrhosis                                     | 25  | 4.2 (2.2, 7.1)   | 0.0000902 (0.0000468, 0.0001534) | 0.0465 (0.02563, 0.07273)  | 4.1 (2.1, 7.1)   | 0.0001008 (0.0000512, 0.0001754) | 0.03617 (0.01822, 0.06084) |
| Papua Barat | Chronic respiratory diseases                  | 25  | 4.2 (2.0, 7.6)   | 0.0000909 (0.0000428, 0.0001647) | 0.04687 (0.02315, 0.08072) | 4.7 (2.2, 8.8)   | 0.0001172 (0.0000558, 0.0002178) | 0.04208 (0.02042, 0.07724) |
| Papua Barat | Other non-communicable diseases               | 25  | 7.8 (4.9, 11.7)  | 0.0001695 (0.0001057, 0.0002540) | 0.0876 (0.05708, 0.12583)  | 12.7 (8.0, 19.1) | 0.000316 (0.0001986, 0.0004734)  | 0.11333 (0.07407, 0.16220) |
| Papua Barat | Drowning                                      | 25  | 1.1 (0.3, 2.6)   | 0.0000232 (0.0000073, 0.0000562) | 0.01196 (0.00378, 0.02893) | 0.7 (0.2, 1.7)   | 0.0000167 (0.0000046, 0.0000417) | 0.00596 (0.00175, 0.01440) |
| Papua Barat | Falls                                         | 25  | 0.9 (0.3, 2.2)   | 0.0000198 (0.0000065, 0.0000481) | 0.01021 (0.00344, 0.02395) | 0.7 (0.2, 1.7)   | 0.0000178 (0.0000053, 0.0000434) | 0.00639 (0.00190, 0.01513) |
| Papua Barat | Interpersonal violence                        | 25  | 1.7 (0.7, 3.3)   | 0.0000362 (0.0000155, 0.0000719) | 0.01873 (0.00827, 0.03703) | 1.7 (0.6, 3.9)   | 0.0000433 (0.0000153, 0.0000969) | 0.01551 (0.00557, 0.03366) |
| Papua Barat | Self-harm                                     | 25  | 1.3 (0.4, 2.9)   | 0.000029 (0.0000091, 0.0000634)  | 0.01503 (0.00491, 0.03342) | 1.1 (0.3, 2.7)   | 0.0000283 (0.0000080, 0.0000672) | 0.01014 (0.00299, 0.02373) |
| Papua Barat | Transport injuries                            | 25  | 13.8 (7.3, 22.5) | 0.0002985 (0.0001582, 0.0004886) | 0.15408 (0.08414, 0.23948) | 8.5 (3.8, 15.5)  | 0.00021 (0.0000944, 0.0003837)   | 0.07535 (0.03477, 0.13449) |
| Papua Barat | Other unintentional injuries                  | 25  | 5.0 (2.2, 9.1)   | 0.0001084 (0.0000486, 0.0001979) | 0.05609 (0.02623, 0.10155) | 3.4 (1.3, 6.9)   | 0.0000839 (0.0000334, 0.0001711) | 0.03017 (0.01232, 0.06280) |
| Papua Barat | Diarrheal diseases                            | 30  | 1.4 (0.4, 3.0)   | 0.0000374 (0.0000093, 0.0000786) | 0.01715 (0.00437, 0.03574) | 2.8 (0.8, 5.5)   | 0.0000822 (0.0000239, 0.0001648) | 0.02331 (0.00640, 0.04613) |
| Papua Barat | HIV/AIDS                                      | 30  | 4.3 (0.7, 11.3)  | 0.0001121 (0.0000182, 0.0002915) | 0.0514 (0.00867, 0.13233)  | 5.5 (0.9, 14.2)  | 0.000165 (0.0000283, 0.0004239)  | 0.04682 (0.00844, 0.11398) |
| Papua Barat | Lower respiratory infections                  | 30  | 1.1 (0.3, 2.6)   | 0.0000277 (0.0000077, 0.0000674) | 0.01271 (0.00376, 0.03059) | 1.2 (0.4, 3.1)   | 0.000037 (0.0000112, 0.0000937)  | 0.01053 (0.00328, 0.02687) |
| Papua Barat | Malaria                                       | 30  | 1.2 (0.1, 4.8)   | 0.0000301 (0.0000015, 0.0001234) | 0.01391 (0.00071, 0.05572) | 1.4 (0.1, 6.3)   | 0.0000419 (0.0000020, 0.0001868) | 0.01187 (0.00059, 0.05082) |
| Papua Barat | Tuberculosis                                  | 30  | 13.9 (6.7, 22.4) | 0.0003585 (0.0001740, 0.0005787) | 0.16448 (0.08520, 0.24862) | 13.2 (5.9, 21.9) | 0.0003956 (0.0001773, 0.0006526) | 0.11223 (0.05215, 0.18172) |
| Papua Barat | Maternal disorders                            | 30  |                  |                                  |                            | 5.3 (2.8, 9.0)   | 0.0001597 (0.0000839, 0.0002677) | 0.04529 (0.02501, 0.07277) |
| Papua Barat | Other communicable diseases                   | 30  | 3.9 (1.2, 7.1)   | 0.0001013 (0.0000308, 0.0001828) | 0.04651 (0.01435, 0.07949) | 5.5 (1.8, 9.8)   | 0.000163 (0.0000551, 0.0002929)  | 0.04619 (0.01576, 0.07986) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 30  | 0.4 (0.1, 1.1)   | 0.0000096 (0.0000017, 0.0000287) | 0.00442 (0.00079, 0.01305) | 0.4 (0.1, 1.2)   | 0.0000128 (0.0000026, 0.0000368) | 0.00364 (0.00075, 0.01048) |
| Papua Barat | Breast cancer                                 | 30  | - (0.0, 0.1)     | 0.0000008 (0.0000001, 0.0000030) | 0.00035 (0.00004, 0.00148) | 8.3 (3.3, 15.6)  | 0.0002477 (0.0000995, 0.0004665) | 0.07026 (0.02935, 0.12364) |
| Papua Barat | Cervical cancer                               | 30  |                  |                                  |                            | 3.6 (0.8, 9.4)   | 0.0001065 (0.0000246, 0.0002821) | 0.03017 (0.00726, 0.07999) |
| Papua Barat | Other malignant neoplasms                     | 30  | 5.8 (2.6, 10.2)  | 0.0001507 (0.0000671, 0.0002630) | 0.06914 (0.03227, 0.11591) | 8.5 (3.4, 15.0)  | 0.0002543 (0.0001023, 0.0004483) | 0.07221 (0.02951, 0.13096) |
| Papua Barat | Cerebrovascular disease                       | 30  | 4.6 (2.7, 7.1)   | 0.0001181 (0.0000696, 0.0001836) | 0.05427 (0.03376, 0.08041) | 7.7 (4.5, 12.1)  | 0.0002307 (0.0001348, 0.0003612) | 0.06548 (0.04072, 0.09784) |
| Papua Barat | Ischemic heart disease                        | 30  | 6.2 (3.5, 9.7)   | 0.0001608 (0.0000901, 0.0002514) | 0.07391 (0.04426, 0.11176) | 5.7 (2.9, 9.3)   | 0.0001692 (0.0000869, 0.0002782) | 0.04806 (0.02618, 0.07901) |
| Papua Barat | Other cardiovascular and circulatory diseases | 30  | 1.8 (0.7, 4.1)   | 0.0000459 (0.0000180, 0.0001071) | 0.02109 (0.00869, 0.04623) | 3.5 (1.4, 7.5)   | 0.0001048 (0.0000430, 0.0002234) | 0.02977 (0.01261, 0.06272) |
| Papua Barat | Diabetes mellitus                             | 30  | 1.6 (0.8, 2.8)   | 0.0000418 (0.0000216, 0.0000714) | 0.01919 (0.01027, 0.03145) | 4.7 (2.4, 7.9)   | 0.0001139 (0.0000717, 0.0002353) | 0.0394 (0.02086, 0.06612)  |
| Papua Barat | Chronic kidney disease                        | 30  | 2.3 (1.3, 3.9)   | 0.0000599 (0.0000332, 0.0001010) | 0.02754 (0.01582, 0.04391) | 3.5 (1.9, 5.7)   | 0.0001045 (0.0000561, 0.0001700) | 0.02965 (0.01670, 0.04645) |
| Papua Barat | Cirrhosis                                     | 30  | 5.0 (2.7, 8.0)   | 0.0001129 (0.0000689, 0.0002074) | 0.05923 (0.03376, 0.09032) | 5.1 (2.6, 8.9)   | 0.0001534 (0.0000771, 0.0002659) | 0.04352 (0.02275, 0.07072) |
| Papua Barat | Chronic respiratory diseases                  | 30  | 4.0 (1.9, 7.4)   | 0.0001044 (0.0000492, 0.0001915) | 0.04792 (0.02405, 0.08128) | 4.8 (2.3, 9.4)   | 0.0001442 (0.0000676, 0.0002799) | 0.04096 (0.02011, 0.07802) |
| Papua Barat | Other non-communicable diseases               | 30  | 7.8 (4.8, 11.6)  | 0.0002019 (0.0001238, 0.0002980) | 0.09289 (0.05968, 0.13305) | 13.4 (8.4, 19.9) | 0.0004009 (0.0002516, 0.0005938) | 0.11371 (0.07474, 0.15848) |
| Papua Barat | Drowning                                      | 30  | 1.0 (0.3, 2.5)   | 0.000026 (0.0000080, 0.0000649)  | 0.01195 (0.00364, 0.02920) | 0.7 (0.2, 1.9)   | 0.0000218 (0.0000061, 0.0000574) | 0.00619 (0.00184, 0.01546) |
| Papua Barat | Falls                                         | 30  | 0.9 (0.3, 2.2)   | 0.0000241 (0.0000079, 0.0000570) | 0.0111 (0.00373, 0.02614)  | 0.8 (0.2, 2.1)   | 0.0000247 (0.0000074, 0.0000618) | 0.00704 (0.00215, 0.01766) |
| Papua Barat | Interpersonal violence                        | 30  | 1.2 (0.5, 2.5)   | 0.0000314 (0.0000121, 0.0000647) | 0.01444 (0.00578, 0.02899) | 1.3 (0.4, 3.2)   | 0.0000398 (0.0000130, 0.0000951) | 0.01128 (0.00398, 0.02576) |
| Papua Barat | Self-harm                                     | 30  | 1.0 (0.3, 2.2)   | 0.0000249 (0.0000076, 0.0000568) | 0.01148 (0.00357, 0.02541) | 0.9 (0.2, 2.0)   | 0.0000254 (0.0000070, 0.0000594) | 0.0072 (0.00207, 0.01697)  |
| Papua Barat | Transport injuries                            | 30  | 10.6 (5.4, 18.5) | 0.0002736 (0.0001405, 0.0004783) | 0.12577 (0.06399, 0.20576) | 7.0 (3.0, 13.6)  | 0.00021 (0.0000908, 0.0004062)   | 0.05959 (0.02580, 0.11247) |
| Papua Barat | Other unintentional injuries                  | 30  | 4.1 (1.8, 7.5)   | 0.0001067 (0.0000473, 0.0001935) | 0.04914 (0.02245, 0.09354) | 3.0 (1.2, 6.3)   | 0.0000901 (0.0000352, 0.0001876) | 0.02563 (0.01049, 0.05421) |
| Papua Barat | Diarrheal diseases                            | 35  | 1.1 (0.3, 2.3)   | 0.0000353 (0.0000091, 0.0000733) | 0.0127 (0.00303, 0.02593)  | 2.7 (0.8, 5.5)   | 0.0001032 (0.0000310, 0.0002054) | 0.01912 (0.00570, 0.03651) |
| Papua Barat | HIV/AIDS                                      | 35  | 3.4 (0.5, 9.4)   | 0.0001099 (0.0000165, 0.0002993) | 0.03951 (0.00609, 0.10512) | 5.4 (0.8, 14.0)  | 0.0002043 (0.0000311, 0.0005249) | 0.03793 (0.00608, 0.09663) |
| Papua Barat | Lower respiratory infections                  | 35  | 1.0 (0.3, 2.5)   | 0.0000314 (0.0000090, 0.0000784) | 0.01131 (0.00340, 0.02818) | 1.5 (0.5, 3.7)   | 0.0000575 (0.0000173, 0.0001397) | 0.0107 (0.00330, 0.02690)  |
| Papua Barat | Malaria                                       | 35  | 0.9 (0.1, 3.7)   | 0.0000292 (0.0000016, 0.0001169) | 0.01061 (0.00055, 0.04180) | 1.3 (0.1, 5.8)   | 0.0000497 (0.0000024, 0.0002188) | 0.00921 (0.00045, 0.04211) |
| Papua Barat | Tuberculosis                                  | 35  | 13.1 (6.5, 21.1) | 0.0004173 (0.0002083, 0.0006720) | 0.15026 (0.07775, 0.22506) | 15.0 (6.8, 25.2) | 0.0005635 (0.0002551, 0.0009469) | 0.10451 (0.04898, 0.16901) |
| Papua Barat | Maternal disorders                            | 35  |                  |                                  |                            | 4.2 (2.0, 7.6)   | 0.0001595 (0.0000760, 0.0002867) | 0.02959 (0.01533, 0.05116) |
| Papua Barat | Other communicable diseases                   | 35  | 3.0 (0.9, 5.8)   | 0.0000971 (0.0000294, 0.0001837) | 0.03497 (0.01082, 0.06268) | 5.7 (1.9, 10.4)  | 0.0002138 (0.0000724, 0.0003920) | 0.0396 (0.01404, 0.06920)  |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 35  | 0.4 (0.1, 1.0)   | 0.0000118 (0.0000022, 0.0000322) | 0.00424 (0.00078, 0.01157) | 0.6 (0.1, 1.6)   | 0.0000219 (0.0000046, 0.0000592) | 0.00408 (0.00083, 0.01127) |
| Papua Barat | Breast cancer                                 | 35  | 0.1 (0.0, 0.2)   | 0.0000018 (0.0000003, 0.0000065) | 0.00065 (0.00010, 0.00237) | 11.5 (4.7, 21.6) | 0.0004311 (0.0001770, 0.0008107) | 0.08 (0.03419, 0.14005)    |
| Papua Barat | Cervical cancer                               | 35  |                  |                                  |                            | 5.8 (1.5, 14.6)  | 0.0002185 (0.0000558, 0.0005484) | 0.04053 (0.01066, 0.09916) |
| Papua Barat | Other malignant neoplasms                     | 35  | 7.7 (3.6, 13.1)  | 0.0002443 (0.0001144, 0.0004176) | 0.08799 (0.04188, 0.14328) | 9.0 (3.2, 16.7)  | 0.0003381 (0.0001221, 0.0006289) | 0.06278 (0.02421, 0.11806) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males            |                                  |                            | Females           |                                  |                            |
|-------------|-----------------------------------------------|-----|------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Cerebrovascular disease                       | 35  | 6.9 (4.2, 10.5)  | 0.0002205 (0.0001355, 0.0003356) | 0.07949 (0.05199, 0.11302) | 13.4 (8.1, 20.5)  | 0.000503 (0.0003054, 0.0007711)  | 0.09337 (0.06090, 0.13118) |
| Papua Barat | Ischemic heart disease                        | 35  | 8.4 (4.9, 12.8)  | 0.0002669 (0.0001562, 0.0004082) | 0.09626 (0.06051, 0.14015) | 8.8 (4.6, 14.5)   | 0.000331 (0.0001736, 0.0005444)  | 0.06149 (0.03515, 0.09961) |
| Papua Barat | Other cardiovascular and circulatory diseases | 35  | 2.2 (0.9, 4.9)   | 0.0000707 (0.0000282, 0.0001570) | 0.02546 (0.01073, 0.05527) | 4.7 (1.9, 9.9)    | 0.0001782 (0.0000714, 0.0003732) | 0.03314 (0.01369, 0.06999) |
| Papua Barat | Diabetes mellitus                             | 35  | 2.8 (1.5, 4.7)   | 0.0000899 (0.0000485, 0.0001511) | 0.0324 (0.01849, 0.05068)  | 8.6 (4.5, 14.3)   | 0.0003229 (0.0001698, 0.0005374) | 0.05984 (0.03288, 0.09686) |
| Papua Barat | Chronic kidney disease                        | 35  | 2.6 (1.5, 4.3)   | 0.0000823 (0.0000473, 0.0001384) | 0.02969 (0.01778, 0.04698) | 4.1 (2.1, 6.8)    | 0.0001529 (0.0000800, 0.0002553) | 0.02836 (0.01641, 0.04472) |
| Papua Barat | Cirrhosis                                     | 35  | 5.7 (3.1, 9.0)   | 0.0001834 (0.0000996, 0.0002863) | 0.06608 (0.03727, 0.09960) | 6.7 (3.4, 11.6)   | 0.0002519 (0.0001284, 0.0004356) | 0.04675 (0.02490, 0.07505) |
| Papua Barat | Chronic respiratory diseases                  | 35  | 4.7 (2.2, 8.3)   | 0.00015 (0.0000713, 0.0002657)   | 0.05402 (0.02689, 0.09413) | 5.8 (2.6, 11.1)   | 0.0002172 (0.0000995, 0.0004166) | 0.04036 (0.01915, 0.07509) |
| Papua Barat | Other non-communicable diseases               | 35  | 7.8 (4.8, 11.6)  | 0.0002489 (0.0001519, 0.0003692) | 0.08985 (0.05762, 0.12916) | 15.0 (9.3, 22.6)  | 0.0005641 (0.0003510, 0.0008514) | 0.10469 (0.06983, 0.14555) |
| Papua Barat | Drowning                                      | 35  | 1.1 (0.3, 2.7)   | 0.0000351 (0.0000109, 0.0000862) | 0.01264 (0.00403, 0.03068) | 1.1 (0.3, 2.7)    | 0.0000419 (0.0000126, 0.0001032) | 0.00777 (0.00237, 0.01888) |
| Papua Barat | Falls                                         | 35  | 0.8 (0.3, 2.1)   | 0.0000267 (0.0000081, 0.0000664) | 0.00963 (0.00297, 0.02334) | 1.0 (0.3, 2.5)    | 0.0000367 (0.0000099, 0.0000922) | 0.00684 (0.00200, 0.01711) |
| Papua Barat | Interpersonal violence                        | 35  | 1.0 (0.3, 2.1)   | 0.0000311 (0.0000111, 0.0000656) | 0.01124 (0.00428, 0.02359) | 1.2 (0.4, 2.9)    | 0.000044 (0.0000150, 0.0001080)  | 0.00817 (0.00284, 0.01960) |
| Papua Barat | Self-harm                                     | 35  | 0.8 (0.2, 2.0)   | 0.0000266 (0.0000078, 0.0000624) | 0.00963 (0.00029, 0.02188) | 0.8 (0.2, 1.8)    | 0.0000294 (0.0000082, 0.0000687) | 0.00545 (0.00157, 0.01277) |
| Papua Barat | Transport injuries                            | 35  | 7.9 (3.7, 14.5)  | 0.0002508 (0.0001184, 0.0004616) | 0.09044 (0.04403, 0.15660) | 6.3 (2.5, 13.0)   | 0.0002383 (0.0000957, 0.0004894) | 0.04423 (0.01822, 0.08685) |
| Papua Barat | Other unintentional injuries                  | 35  | 3.6 (1.5, 6.7)   | 0.0001133 (0.0000463, 0.0002132) | 0.04095 (0.01734, 0.08080) | 3.1 (1.1, 6.5)    | 0.0001156 (0.0000425, 0.0002435) | 0.02151 (0.00828, 0.04502) |
| Papua Barat | Diarrheal diseases                            | 40  | 1.2 (0.3, 2.6)   | 0.000046 (0.0000113, 0.0000955)  | 0.01162 (0.00291, 0.02420) | 3.2 (1.0, 6.2)    | 0.0001351 (0.0000407, 0.0002667) | 0.01872 (0.00583, 0.03618) |
| Papua Barat | HIV/AIDS                                      | 40  | 2.1 (0.3, 6.5)   | 0.0000766 (0.0000099, 0.0002418) | 0.01928 (0.00256, 0.06125) | 3.3 (0.4, 10.3)   | 0.0001417 (0.0000190, 0.0004415) | 0.01964 (0.00283, 0.06010) |
| Papua Barat | Lower respiratory infections                  | 40  | 1.1 (0.3, 2.7)   | 0.0000396 (0.0000114, 0.0000998) | 0.01002 (0.00288, 0.02527) | 1.8 (0.5, 4.4)    | 0.0000757 (0.0000226, 0.0001865) | 0.01051 (0.00335, 0.02661) |
| Papua Barat | Malaria                                       | 40  | 0.9 (0.0, 3.7)   | 0.0000343 (0.0000018, 0.0001388) | 0.00874 (0.00046, 0.03476) | 1.3 (0.1, 6.1)    | 0.0000555 (0.0000026, 0.0002597) | 0.00768 (0.00035, 0.03517) |
| Papua Barat | Tuberculosis                                  | 40  | 12.9 (6.7, 21.0) | 0.000482 (0.0002479, 0.0007802)  | 0.12181 (0.06727, 0.18027) | 14.7 (7.1, 24.2)  | 0.0006266 (0.0003016, 0.0010336) | 0.08679 (0.04289, 0.13606) |
| Papua Barat | Maternal disorders                            | 40  |                  |                                  |                            | 2.2 (1.0, 4.2)    | 0.0000922 (0.0000408, 0.0001783) | 0.01276 (0.00588, 0.02404) |
| Papua Barat | Other communicable diseases                   | 40  | 3.1 (0.9, 6.0)   | 0.000114 (0.0000321, 0.0002243)  | 0.0288 (0.00841, 0.05377)  | 6.0 (2.2, 11.3)   | 0.0002581 (0.0000921, 0.0004814) | 0.03569 (0.01313, 0.06381) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 40  | 0.7 (0.1, 1.9)   | 0.0000257 (0.0000054, 0.0000692) | 0.0065 (0.00209, 0.01758)  | 0.7 (0.2, 2.0)    | 0.000032 (0.0000073, 0.0000838)  | 0.00445 (0.00098, 0.01181) |
| Papua Barat | Breast cancer                                 | 40  | 0.1 (0.0, 0.4)   | 0.0000045 (0.0000009, 0.0000132) | 0.00113 (0.00024, 0.00353) | 13.8 (5.5, 24.8)  | 0.0005892 (0.0002354, 0.0010597) | 0.08161 (0.03386, 0.14174) |
| Papua Barat | Cervical cancer                               | 40  |                  |                                  |                            | 8.2 (2.2, 19.7)   | 0.0003488 (0.0000939, 0.0008437) | 0.04833 (0.01365, 0.11398) |
| Papua Barat | Other malignant neoplasms                     | 40  | 10.3 (4.8, 17.2) | 0.0003827 (0.0001783, 0.0006390) | 0.09674 (0.04758, 0.15572) | 9.0 (3.3, 17.0)   | 0.0003864 (0.0001390, 0.0007284) | 0.05359 (0.01997, 0.10152) |
| Papua Barat | Cerebrovascular disease                       | 40  | 11.9 (7.5, 17.4) | 0.0004442 (0.0002781, 0.0006477) | 0.11238 (0.07590, 0.15557) | 21.6 (13.8, 31.9) | 0.0009224 (0.0005899, 0.0013648) | 0.12786 (0.08715, 0.17640) |
| Papua Barat | Ischemic heart disease                        | 40  | 13.6 (8.2, 20.1) | 0.0005046 (0.0003056, 0.0007503) | 0.1278 (0.08399, 0.18106)  | 13.3 (7.3, 21.2)  | 0.0005695 (0.0003106, 0.0009047) | 0.07897 (0.04618, 0.12032) |
| Papua Barat | Other cardiovascular and circulatory diseases | 40  | 3.3 (1.4, 7.5)   | 0.0001244 (0.0000507, 0.0002786) | 0.03147 (0.01334, 0.06621) | 6.5 (2.7, 13.6)   | 0.0002778 (0.0001144, 0.0005801) | 0.03856 (0.01648, 0.07850) |
| Papua Barat | Diabetes mellitus                             | 40  | 6.1 (3.4, 9.9)   | 0.0002278 (0.0001284, 0.0003693) | 0.05762 (0.03392, 0.08834) | 16.4 (9.3, 26.5)  | 0.0007023 (0.0003980, 0.0011327) | 0.09722 (0.05661, 0.14736) |
| Papua Barat | Chronic kidney disease                        | 40  | 3.4 (2.0, 5.7)   | 0.0001266 (0.0000736, 0.0002136) | 0.03208 (0.01917, 0.05041) | 4.7 (2.5, 7.8)    | 0.0002026 (0.0001063, 0.0003317) | 0.02806 (0.01609, 0.04399) |
| Papua Barat | Cirrhosis                                     | 40  | 7.5 (4.0, 11.8)  | 0.0002787 (0.0001483, 0.0004398) | 0.0705 (0.04048, 0.10550)  | 8.2 (4.2, 13.7)   | 0.0003483 (0.0001795, 0.0005860) | 0.04825 (0.02612, 0.07703) |
| Papua Barat | Chronic respiratory diseases                  | 40  | 6.3 (3.0, 10.8)  | 0.0002344 (0.0001133, 0.0004013) | 0.05928 (0.03017, 0.10045) | 7.0 (3.2, 13.1)   | 0.0002971 (0.0001361, 0.0005580) | 0.0412 (0.02008, 0.07291)  |
| Papua Barat | Other non-communicable diseases               | 40  | 9.1 (5.6, 13.5)  | 0.0003407 (0.0002094, 0.0005019) | 0.08635 (0.05591, 0.12393) | 16.3 (10.3, 24.6) | 0.0006971 (0.0004388, 0.0010490) | 0.0966 (0.06302, 0.13500)  |
| Papua Barat | Drowning                                      | 40  | 0.6 (0.2, 1.7)   | 0.0000233 (0.0000064, 0.0000617) | 0.00591 (0.00170, 0.01543) | 0.7 (0.2, 1.8)    | 0.000029 (0.0000085, 0.0000765)  | 0.00401 (0.00119, 0.01056) |
| Papua Barat | Falls                                         | 40  | 0.8 (0.2, 1.9)   | 0.0000287 (0.0000079, 0.0000703) | 0.00728 (0.00209, 0.01766) | 0.9 (0.3, 2.3)    | 0.0000396 (0.0000113, 0.0001001) | 0.00551 (0.00160, 0.01385) |
| Papua Barat | Interpersonal violence                        | 40  | 0.8 (0.3, 1.8)   | 0.0000286 (0.0000098, 0.0000654) | 0.00727 (0.00245, 0.01706) | 0.8 (0.3, 2.0)    | 0.0000358 (0.0000114, 0.0000843) | 0.00496 (0.00164, 0.01156) |
| Papua Barat | Self-harm                                     | 40  | 0.7 (0.2, 1.7)   | 0.0000274 (0.0000076, 0.0000638) | 0.00697 (0.00193, 0.01645) | 0.6 (0.2, 1.5)    | 0.0000262 (0.0000068, 0.0000644) | 0.00362 (0.00101, 0.00862) |
| Papua Barat | Transport injuries                            | 40  | 6.6 (2.9, 12.5)  | 0.0002475 (0.0001075, 0.0004662) | 0.06264 (0.02787, 0.11688) | 5.2 (2.0, 10.9)   | 0.0002235 (0.0000875, 0.0004636) | 0.03097 (0.01257, 0.06263) |
| Papua Barat | Other unintentional injuries                  | 40  | 2.9 (1.1, 5.9)   | 0.0001097 (0.0000428, 0.0002212) | 0.02783 (0.01076, 0.05513) | 2.4 (0.8, 5.3)    | 0.0001039 (0.0000349, 0.0002264) | 0.01444 (0.00541, 0.03100) |
| Papua Barat | Diarrheal diseases                            | 45  | 1.1 (0.3, 2.5)   | 0.000055 (0.0000132, 0.0001193)  | 0.01005 (0.00244, 0.02151) | 3.2 (1.0, 6.3)    | 0.0001906 (0.0000598, 0.0003787) | 0.01793 (0.00565, 0.03556) |
| Papua Barat | HIV/AIDS                                      | 45  | 1.1 (0.1, 3.6)   | 0.0000511 (0.0000056, 0.0001766) | 0.00933 (0.00107, 0.03270) | 1.9 (0.2, 6.4)    | 0.0001131 (0.0000129, 0.0003857) | 0.01065 (0.00121, 0.03563) |
| Papua Barat | Lower respiratory infections                  | 45  | 1.2 (0.3, 2.9)   | 0.0000563 (0.0000156, 0.0001405) | 0.01035 (0.00290, 0.02684) | 2.3 (0.7, 5.6)    | 0.000138 (0.0000403, 0.0003391)  | 0.01302 (0.00394, 0.03313) |
| Papua Barat | Malaria                                       | 45  | 0.8 (0.0, 3.2)   | 0.0000366 (0.0000017, 0.0001542) | 0.00678 (0.00032, 0.02677) | 1.1 (0.0, 5.2)    | 0.0000645 (0.0000029, 0.0003155) | 0.00608 (0.00026, 0.02947) |
| Papua Barat | Tuberculosis                                  | 45  | 12.7 (6.8, 19.9) | 0.0006182 (0.0003291, 0.0009676) | 0.11326 (0.06460, 0.16434) | 15.2 (7.8, 24.1)  | 0.0009184 (0.0004677, 0.0014543) | 0.0865 (0.04560, 0.13356)  |
| Papua Barat | Maternal disorders                            | 45  |                  |                                  |                            | 0.4 (0.2, 0.8)    | 0.0000231 (0.0000092, 0.0000484) | 0.00218 (0.00086, 0.00446) |
| Papua Barat | Other communicable diseases                   | 45  | 2.4 (0.6, 4.9)   | 0.0001169 (0.0000313, 0.0002392) | 0.0214 (0.00618, 0.04086)  | 5.3 (1.9, 10.1)   | 0.0003222 (0.0001167, 0.0006104) | 0.0303 (0.01140, 0.05420)  |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 45  | 1.4 (0.3, 3.6)   | 0.0000671 (0.0000152, 0.0001766) | 0.01232 (0.00279, 0.03309) | 0.9 (0.2, 2.2)    | 0.0000513 (0.0000115, 0.0001313) | 0.00484 (0.00104, 0.01255) |
| Papua Barat | Breast cancer                                 | 45  | 0.2 (0.0, 0.4)   | 0.0000076 (0.0000018, 0.0000215) | 0.00139 (0.00034, 0.00389) | 12.3 (4.7, 22.1)  | 0.0007404 (0.0002842, 0.0013309) | 0.06973 (0.02689, 0.12385) |
| Papua Barat | Cervical cancer                               | 45  |                  |                                  |                            | 7.0 (1.9, 16.9)   | 0.0004213 (0.0001133, 0.0010208) | 0.03969 (0.01122, 0.09707) |
| Papua Barat | Other malignant neoplasms                     | 45  | 9.8 (4.6, 17.2)  | 0.0004762 (0.0002233, 0.0008359) | 0.08729 (0.04259, 0.14422) | 7.7 (2.7, 15.0)   | 0.0004619 (0.0001598, 0.0009029) | 0.04355 (0.01577, 0.08433) |
| Papua Barat | Cerebrovascular disease                       | 45  | 15.4 (9.8, 22.6) | 0.0007505 (0.0004773, 0.0010994) | 0.1377 (0.09455, 0.18670)  | 28.0 (18.6, 40.3) | 0.001687 (0.0011213, 0.0024283)  | 0.15894 (0.11124, 0.21184) |
| Papua Barat | Ischemic heart disease                        | 45  | 15.2 (9.3, 22.4) | 0.0007408 (0.0004540, 0.0010907) | 0.13603 (0.08863, 0.19399) | 15.0 (8.5, 23.2)  | 0.0009063 (0.0005122, 0.0013964) | 0.08544 (0.05078, 0.12980) |
| Papua Barat | Other cardiovascular and circulatory diseases | 45  | 4.0 (1.7, 8.7)   | 0.0001963 (0.0000804, 0.0004251) | 0.036 (0.01542, 0.07487)   | 7.5 (3.1, 15.2)   | 0.0004508 (0.0001877, 0.0009186) | 0.04254 (0.01863, 0.08637) |
| Papua Barat | Diabetes mellitus                             | 45  | 9.0 (5.3, 14.5)  | 0.0004389 (0.0002586, 0.0007032) | 0.0805 (0.04971, 0.12089)  | 22.9 (13.3, 35.3) | 0.0013792 (0.0008020, 0.0021295) | 0.12983 (0.07703, 0.19255) |
| Papua Barat | Chronic kidney disease                        | 45  | 3.4 (2.0, 5.6)   | 0.0001649 (0.0000956, 0.0002745) | 0.03029 (0.01817, 0.04750) | 4.4 (2.4, 7.2)    | 0.0002672 (0.0001434, 0.0004333) | 0.02516 (0.01448, 0.03902) |
| Papua Barat | Cirrhosis                                     | 45  | 7.1 (3.7, 11.1)  | 0.0003436 (0.0001811, 0.0005403) | 0.06301 (0.03586, 0.09416) | 7.8 (3.9, 12.8)   | 0.0004704 (0.0002374, 0.0007732) | 0.04431 (0.02402, 0.07138) |
| Papua Barat | Chronic respiratory diseases                  | 45  | 7.9 (4.0, 13.2)  | 0.000383 (0.0001923, 0.0006441)  | 0.07021 (0.03698, 0.11636) | 8.4 (4.1, 14.8)   | 0.0005094 (0.0002462, 0.0008952) | 0.04803 (0.02451, 0.08288) |
| Papua Barat | Other non-communicable diseases               | 45  | 8.5 (5.2, 12.6)  | 0.0004145 (0.0002534, 0.0006145) | 0.07619 (0.04975, 0.10758) | 14.9 (9.5, 22.2)  | 0.0008997 (0.0005712, 0.0013398) | 0.08476 (0.05565, 0.11943) |
| Papua Barat | Drowning                                      | 45  | 0.4 (0.1, 1.1)   | 0.0000184 (0.0000046, 0.0000551) | 0.00337 (0.00085, 0.00955) | 0.5 (0.1, 1.3)    | 0.0000299 (0.0000075, 0.0000807) | 0.00281 (0.00075, 0.00756) |
| Papua Barat | Falls                                         | 45  | 0.8 (0.2, 1.9)   | 0.0000373 (0.0000106, 0.0000924) | 0.00684 (0.00193, 0.01643) | 1.1 (0.3, 2.6)    | 0.0000636 (0.0000179, 0.0001592) | 0.00601 (0.00176, 0.01503) |
| Papua Barat | Interpersonal violence                        | 45  | 0.6 (0.2, 1.3)   | 0.0000294 (0.0000092, 0.0000640) | 0.00543 (0.00175, 0.01258) | 0.6 (0.2, 1.5)    | 0.0000379 (0.0000117, 0.0000923) | 0.00357 (0.00112, 0.00842) |



Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
|             |                                               |     |                   |                                  |                            |                   |                                  |                            |
| Papua Barat | Self-harm                                     | 45  | 0.7 (0.2, 1.6)    | 0.000324 (0.000084, 0.000773)    | 0.00596 (0.00164, 0.01407) | 0.5 (0.1, 1.3)    | 0.000307 (0.000081, 0.000765)    | 0.00289 (0.00077, 0.00698) |
| Papua Barat | Transport injuries                            | 45  | 6.0 (2.6, 11.7)   | 0.0002933 (0.0001243, 0.0005703) | 0.05382 (0.02337, 0.10267) | 5.1 (2.1, 10.4)   | 0.0003084 (0.0001251, 0.0006275) | 0.02906 (0.01166, 0.05926) |
| Papua Barat | Other unintentional injuries                  | 45  | 2.5 (1.0, 5.3)    | 0.0001221 (0.0000464, 0.0002584) | 0.02247 (0.00873, 0.04634) | 2.1 (0.7, 4.7)    | 0.000129 (0.0000444, 0.0002838)  | 0.01218 (0.00436, 0.02657) |
| Papua Barat | Diarrheal diseases                            | 50  | 1.6 (0.4, 3.3)    | 0.0001002 (0.0000256, 0.0002132) | 0.01214 (0.00304, 0.02439) | 3.8 (1.2, 7.3)    | 0.0003102 (0.0001009, 0.0005896) | 0.02012 (0.00682, 0.03786) |
| Papua Barat | HIV/AIDS                                      | 50  | 0.5 (0.0, 1.9)    | 0.000031 (0.0000032, 0.0001238)  | 0.00375 (0.00039, 0.01462) | 0.8 (0.1, 3.0)    | 0.0000656 (0.0000069, 0.0002436) | 0.00426 (0.00048, 0.01637) |
| Papua Barat | Lower respiratory infections                  | 50  | 1.6 (0.4, 3.7)    | 0.0001001 (0.0000274, 0.0002400) | 0.01217 (0.00347, 0.03109) | 2.9 (0.9, 6.7)    | 0.0002309 (0.0000697, 0.0005409) | 0.01502 (0.00448, 0.03604) |
| Papua Barat | Malaria                                       | 50  | 0.8 (0.0, 3.2)    | 0.0000498 (0.0000024, 0.0002043) | 0.0061 (0.00030, 0.02388)  | 1.0 (0.0, 4.8)    | 0.0000811 (0.0000033, 0.0002387) | 0.00526 (0.00021, 0.02411) |
| Papua Barat | Tuberculosis                                  | 50  | 13.8 (7.8, 22.2)  | 0.0008885 (0.0005028, 0.0014290) | 0.10773 (0.06530, 0.15653) | 16.1 (8.8, 25.3)  | 0.0013067 (0.0007124, 0.0020445) | 0.08479 (0.04810, 0.12725) |
| Papua Barat | Maternal disorders                            | 50  |                   |                                  |                            | 0.1 (0.0, 0.4)    | 0.0000116 (0.0000033, 0.0000312) | 0.00075 (0.00021, 0.00199) |
| Papua Barat | Other communicable diseases                   | 50  | 2.6 (0.7, 5.2)    | 0.0001651 (0.0000445, 0.0003364) | 0.02 (0.00547, 0.03857)    | 5.0 (1.8, 9.3)    | 0.0004018 (0.0001483, 0.0007518) | 0.02604 (0.00947, 0.04712) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 50  | 1.8 (0.4, 4.6)    | 0.0001139 (0.0000259, 0.0002988) | 0.01384 (0.00323, 0.03635) | 0.9 (0.2, 2.4)    | 0.0000723 (0.0000164, 0.0001904) | 0.0047 (0.00106, 0.01261)  |
| Papua Barat | Breast cancer                                 | 50  | 0.2 (0.0, 0.5)    | 0.0000113 (0.0000030, 0.0000318) | 0.00137 (0.00036, 0.00371) | 9.7 (3.4, 18.5)   | 0.0007849 (0.0002768, 0.0014952) | 0.05097 (0.01869, 0.09502) |
| Papua Barat | Cervical cancer                               | 50  |                   |                                  |                            | 6.4 (1.7, 15.2)   | 0.0005172 (0.0001354, 0.0012293) | 0.03357 (0.00933, 0.08071) |
| Papua Barat | Other malignant neoplasms                     | 50  | 9.2 (4.1, 16.2)   | 0.0005934 (0.0002611, 0.0010401) | 0.07202 (0.03401, 0.12214) | 6.9 (2.3, 13.5)   | 0.0005553 (0.0001894, 0.0010940) | 0.03608 (0.01236, 0.07198) |
| Papua Barat | Cerebrovascular disease                       | 50  | 21.0 (13.3, 29.7) | 0.001351 (0.0008570, 0.0019092)  | 0.16407 (0.11623, 0.21837) | 35.8 (24.2, 49.8) | 0.002896 (0.0019626, 0.0040336)  | 0.18806 (0.13555, 0.24427) |
| Papua Barat | Ischemic heart disease                        | 50  | 17.6 (10.6, 26.1) | 0.001131 (0.0006817, 0.0016773)  | 0.13753 (0.08871, 0.19608) | 17.4 (9.9, 27.1)  | 0.0014077 (0.0008000, 0.0021907) | 0.09146 (0.05495, 0.13939) |
| Papua Barat | Other cardiovascular and circulatory diseases | 50  | 5.4 (2.3, 11.2)   | 0.0003473 (0.0001463, 0.0007193) | 0.04218 (0.01882, 0.08337) | 9.3 (4.0, 18.6)   | 0.000756 (0.0003226, 0.0015040)  | 0.04916 (0.02205, 0.09502) |
| Papua Barat | Diabetes mellitus                             | 50  | 11.9 (7.1, 18.6)  | 0.0007647 (0.0004567, 0.0011980) | 0.09286 (0.05884, 0.13706) | 28.5 (17.4, 42.7) | 0.0023078 (0.0014109, 0.0034592) | 0.14976 (0.09106, 0.21621) |
| Papua Barat | Chronic kidney disease                        | 50  | 3.5 (2.0, 5.6)    | 0.0002251 (0.0001304, 0.0003616) | 0.02737 (0.01634, 0.04259) | 4.4 (2.4, 7.1)    | 0.0003577 (0.0001943, 0.0005725) | 0.02321 (0.01355, 0.03584) |
| Papua Barat | Cirrhosis                                     | 50  | 7.5 (4.1, 11.7)   | 0.0004824 (0.0002643, 0.0007551) | 0.05858 (0.03335, 0.08660) | 7.7 (3.9, 12.7)   | 0.0006267 (0.0003179, 0.0010282) | 0.04069 (0.02207, 0.06542) |
| Papua Barat | Chronic respiratory diseases                  | 50  | 10.8 (5.5, 17.8)  | 0.0006975 (0.0003560, 0.0011437) | 0.08462 (0.04603, 0.13220) | 10.9 (5.5, 18.6)  | 0.000882 (0.0004423, 0.0015088)  | 0.05733 (0.02982, 0.09520) |
| Papua Barat | Other non-communicable diseases               | 50  | 9.1 (5.7, 13.5)   | 0.0005881 (0.0003643, 0.0008672) | 0.07158 (0.04611, 0.10309) | 15.0 (9.4, 22.3)  | 0.0012176 (0.0007603, 0.0018082) | 0.07905 (0.05233, 0.11275) |
| Papua Barat | Drowning                                      | 50  | 0.3 (0.1, 0.9)    | 0.0000188 (0.0000047, 0.0000549) | 0.00228 (0.00057, 0.00655) | 0.3 (0.1, 0.9)    | 0.0000265 (0.0000070, 0.0000742) | 0.00172 (0.00046, 0.00479) |
| Papua Barat | Falls                                         | 50  | 0.9 (0.3, 2.2)    | 0.0000583 (0.0000163, 0.0001391) | 0.00709 (0.00205, 0.01731) | 1.1 (0.3, 2.6)    | 0.0000878 (0.0000247, 0.0002140) | 0.00572 (0.00174, 0.01447) |
| Papua Barat | Interpersonal violence                        | 50  | 0.5 (0.1, 1.1)    | 0.0000298 (0.0000093, 0.0000680) | 0.00364 (0.00118, 0.00835) | 0.5 (0.1, 1.1)    | 0.0000367 (0.0000106, 0.0000895) | 0.00238 (0.00072, 0.00589) |
| Papua Barat | Self-harm                                     | 50  | 0.6 (0.1, 1.4)    | 0.000036 (0.0000095, 0.0000880)  | 0.00439 (0.00120, 0.01071) | 0.4 (0.1, 1.1)    | 0.000033 (0.0000086, 0.0000876)  | 0.00214 (0.00055, 0.00530) |
| Papua Barat | Transport injuries                            | 50  | 4.9 (2.0, 9.6)    | 0.0003158 (0.0001301, 0.0006157) | 0.03834 (0.01682, 0.07379) | 3.7 (1.4, 7.8)    | 0.0002968 (0.0001165, 0.0006303) | 0.01928 (0.00767, 0.04003) |
| Papua Barat | Other unintentional injuries                  | 50  | 2.1 (0.7, 4.5)    | 0.0001342 (0.0000471, 0.0002905) | 0.01635 (0.00594, 0.03508) | 1.6 (0.5, 3.6)    | 0.0001301 (0.0000442, 0.0002939) | 0.00846 (0.00298, 0.01897) |
| Papua Barat | Diarrheal diseases                            | 55  | 1.7 (0.4, 3.7)    | 0.0001566 (0.0000391, 0.0003422) | 0.01306 (0.00348, 0.02688) | 3.8 (1.2, 7.2)    | 0.000477 (0.0001533, 0.0009132)  | 0.02116 (0.00712, 0.03993) |
| Papua Barat | HIV/AIDS                                      | 55  | 0.2 (0.0, 0.8)    | 0.0000188 (0.0000018, 0.0000745) | 0.00157 (0.00016, 0.00638) | 0.3 (0.0, 1.2)    | 0.0000398 (0.0000039, 0.0001539) | 0.00177 (0.00018, 0.00709) |
| Papua Barat | Lower respiratory infections                  | 55  | 1.7 (0.5, 4.0)    | 0.0001542 (0.0000444, 0.0003691) | 0.01129 (0.00388, 0.03096) | 2.7 (0.9, 6.3)    | 0.0003485 (0.0001114, 0.0008056) | 0.01549 (0.00489, 0.03593) |
| Papua Barat | Malaria                                       | 55  | 0.8 (0.0, 3.2)    | 0.0000693 (0.0000033, 0.0002939) | 0.00585 (0.00028, 0.02413) | 0.9 (0.0, 4.5)    | 0.0001121 (0.0000041, 0.0005663) | 0.00498 (0.00019, 0.02483) |
| Papua Barat | Tuberculosis                                  | 55  | 12.3 (6.7, 19.6)  | 0.0011293 (0.0006143, 0.0018013) | 0.09427 (0.05450, 0.13834) | 12.9 (6.8, 20.5)  | 0.0016421 (0.0008611, 0.0025996) | 0.0728 (0.03969, 0.11304)  |
| Papua Barat | Other communicable diseases                   | 55  | 2.5 (0.7, 5.1)    | 0.0002295 (0.0000624, 0.0004689) | 0.01913 (0.00528, 0.03660) | 4.3 (1.6, 8.2)    | 0.0005486 (0.0002044, 0.0010367) | 0.02429 (0.00875, 0.04457) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 55  | 1.7 (0.4, 4.5)    | 0.0001546 (0.0000368, 0.0004091) | 0.01293 (0.00310, 0.03330) | 0.7 (0.2, 1.7)    | 0.0000837 (0.0000192, 0.0002132) | 0.00372 (0.00084, 0.00962) |
| Papua Barat | Breast cancer                                 | 55  | 0.2 (0.0, 0.4)    | 0.0000143 (0.0000036, 0.0000398) | 0.00119 (0.00031, 0.00321) | 6.7 (2.3, 13.1)   | 0.0008458 (0.0002892, 0.0016629) | 0.03753 (0.01350, 0.07237) |
| Papua Barat | Cervical cancer                               | 55  |                   |                                  |                            | 4.5 (1.1, 11.1)   | 0.0005754 (0.0001433, 0.0014037) | 0.02552 (0.00667, 0.06171) |
| Papua Barat | Other malignant neoplasms                     | 55  | 6.9 (3.0, 12.3)   | 0.0006353 (0.0002727, 0.0011307) | 0.05307 (0.02476, 0.09056) | 5.4 (1.8, 10.9)   | 0.0006894 (0.0002312, 0.0013783) | 0.0306 (0.01065, 0.05978)  |
| Papua Barat | Cerebrovascular disease                       | 55  | 25.1 (16.3, 34.7) | 0.0022978 (0.0014935, 0.0031833) | 0.19207 (0.13802, 0.25104) | 38.8 (27.6, 53.4) | 0.0049235 (0.0034999, 0.0067831) | 0.21848 (0.16126, 0.27862) |
| Papua Barat | Ischemic heart disease                        | 55  | 20.1 (12.4, 29.7) | 0.0018464 (0.0011375, 0.0027241) | 0.15451 (0.10110, 0.21557) | 18.1 (10.4, 27.7) | 0.0022949 (0.0013264, 0.0035164) | 0.10187 (0.06049, 0.15101) |
| Papua Barat | Other cardiovascular and circulatory diseases | 55  | 6.1 (2.6, 12.2)   | 0.0005594 (0.0002397, 0.0011199) | 0.04678 (0.02052, 0.09193) | 9.7 (4.1, 19.3)   | 0.0012355 (0.0005198, 0.0024507) | 0.05488 (0.02412, 0.10602) |
| Papua Barat | Diabetes mellitus                             | 55  | 12.5 (7.5, 19.4)  | 0.0011501 (0.0006848, 0.0017836) | 0.09614 (0.06087, 0.14090) | 27.7 (17.0, 40.9) | 0.0035114 (0.0021532, 0.0051867) | 0.15572 (0.09614, 0.22198) |
| Papua Barat | Chronic kidney disease                        | 55  | 3.3 (1.9, 5.3)    | 0.0003052 (0.0001756, 0.0004858) | 0.02553 (0.01515, 0.03915) | 3.9 (2.1, 6.3)    | 0.0004928 (0.0002704, 0.0008011) | 0.02185 (0.01278, 0.03371) |
| Papua Barat | Cirrhosis                                     | 55  | 6.9 (3.9, 10.7)   | 0.0006285 (0.0003550, 0.0009809) | 0.05255 (0.02970, 0.07877) | 6.5 (3.4, 10.7)   | 0.0008222 (0.0004258, 0.0013571) | 0.03647 (0.01952, 0.05805) |
| Papua Barat | Chronic respiratory diseases                  | 55  | 11.7 (6.2, 18.5)  | 0.0010721 (0.0005666, 0.0016946) | 0.08952 (0.04991, 0.13729) | 11.0 (5.7, 18.1)  | 0.0013905 (0.0007197, 0.0022950) | 0.06175 (0.03277, 0.10012) |
| Papua Barat | Other non-communicable diseases               | 55  | 9.6 (5.9, 13.9)   | 0.0008782 (0.0005438, 0.0012794) | 0.07357 (0.04886, 0.10576) | 14.4 (9.1, 21.5)  | 0.0018342 (0.0011594, 0.0027299) | 0.08137 (0.05426, 0.11566) |
| Papua Barat | Drowning                                      | 55  | 0.2 (0.1, 0.6)    | 0.0000211 (0.0000053, 0.0000592) | 0.00177 (0.00043, 0.00482) | 0.2 (0.1, 0.6)    | 0.0000284 (0.0000073, 0.0000772) | 0.00126 (0.00033, 0.00336) |
| Papua Barat | Falls                                         | 55  | 1.0 (0.3, 2.6)    | 0.0000938 (0.0000270, 0.0002370) | 0.00785 (0.00238, 0.01979) | 1.1 (0.3, 2.6)    | 0.0001352 (0.0000424, 0.0003308) | 0.00602 (0.00191, 0.01560) |
| Papua Barat | Interpersonal violence                        | 55  | 0.3 (0.1, 0.8)    | 0.000032 (0.0000104, 0.0000708)  | 0.00269 (0.00090, 0.00608) | 0.3 (0.1, 0.7)    | 0.0000384 (0.0000118, 0.0000925) | 0.0017 (0.00053, 0.00398)  |
| Papua Barat | Self-harm                                     | 55  | 0.5 (0.1, 1.2)    | 0.0000437 (0.0000118, 0.0001063) | 0.00368 (0.00099, 0.00876) | 0.3 (0.1, 0.8)    | 0.0000393 (0.0000102, 0.0001022) | 0.00174 (0.00046, 0.00435) |
| Papua Barat | Transport injuries                            | 55  | 3.4 (1.3, 7.1)    | 0.0003135 (0.0001232, 0.0006480) | 0.02621 (0.01036, 0.05351) | 2.2 (0.8, 4.9)    | 0.0002823 (0.0001041, 0.0006267) | 0.01252 (0.00460, 0.02686) |
| Papua Barat | Other unintentional injuries                  | 55  | 1.7 (0.6, 3.7)    | 0.0001567 (0.0000552, 0.0003348) | 0.01314 (0.00468, 0.02788) | 1.2 (0.4, 2.5)    | 0.0001468 (0.0000507, 0.0003202) | 0.00652 (0.00229, 0.01443) |
| Papua Barat | Diarrheal diseases                            | 60  | 1.9 (0.5, 4.0)    | 0.0003018 (0.0000743, 0.0006212) | 0.01485 (0.00378, 0.03052) | 3.8 (1.2, 7.3)    | 0.0007308 (0.0002349, 0.0013929) | 0.02189 (0.00702, 0.04112) |
| Papua Barat | HIV/AIDS                                      | 60  | 0.1 (0.0, 0.6)    | 0.0000217 (0.0000021, 0.0000917) | 0.00107 (0.00010, 0.00433) | 0.2 (0.0, 0.8)    | 0.0000388 (0.0000035, 0.0001581) | 0.00116 (0.00011, 0.00476) |
| Papua Barat | Lower respiratory infections                  | 60  | 2.3 (0.7, 5.3)    | 0.000358 (0.0001053, 0.0008261)  | 0.01767 (0.00539, 0.04268) | 3.5 (1.1, 8.1)    | 0.0006644 (0.0002134, 0.0015378) | 0.01995 (0.00654, 0.04668) |
| Papua Barat | Malaria                                       | 60  | 0.7 (0.0, 3.2)    | 0.0001147 (0.0000053, 0.0004945) | 0.0057 (0.00026, 0.02402)  | 0.8 (0.0, 4.1)    | 0.0001601 (0.0000063, 0.0007832) | 0.0048 (0.00020, 0.02355)  |
| Papua Barat | Tuberculosis                                  | 60  | 13.3 (7.5, 21.1)  | 0.0020728 (0.0011681, 0.0032823) | 0.10209 (0.06117, 0.14990) | 14.6 (7.9, 22.8)  | 0.0027711 (0.0014974, 0.0043308) | 0.08301 (0.04645, 0.12510) |
| Papua Barat | Other communicable diseases                   | 60  | 2.1 (0.6, 4.4)    | 0.0003268 (0.0000904, 0.0006808) | 0.01608 (0.00468, 0.03182) | 3.2 (1.1, 6.4)    | 0.0006026 (0.0002122, 0.0012113) | 0.01802 (0.00648, 0.03437) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 60  | 1.1 (0.3, 3.0)    | 0.0001766 (0.0000408, 0.0004637) | 0.0087 (0.00199, 0.02278)  | 0.6 (0.1, 1.6)    | 0.0001098 (0.0000254, 0.0003022) | 0.0033 (0.00079, 0.00876)  |
| Papua Barat | Breast cancer                                 | 60  | 0.1 (0.0, 0.4)    | 0.0000204 (0.0000042, 0.0000583) | 0.00101 (0.00019, 0.00278) | 4.7 (1.6, 9.4)    | 0.0008991 (0.0002996, 0.0017551) | 0.02697 (0.00943, 0.05218) |
| Papua Barat | Cervical cancer                               | 60  |                   |                                  |                            | 3.3 (0.8, 8.3)    | 0.0006315 (0.0001478, 0.0015751) | 0.01894 (0.00463, 0.04848) |
| Papua Barat | Other malignant neoplasms                     | 60  | 5.9 (2.6, 10.6)   | 0.0009245 (0.0003985, 0.0016510) | 0.04556 (0.02080, 0.07864) | 5.2 (1.8, 10.1)   | 0.0009927 (0.0003465, 0.0019197) | 0.02976 (0.01065, 0.05870) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males             |                                  |                            | Females           |                                  |                            |
|-------------|-----------------------------------------------|-----|-------------------|----------------------------------|----------------------------|-------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)   | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Cerebrovascular disease                       | 60  | 26.7 (17.7, 36.9) | 0.0041505 (0.0027526, 0.0057335) | 0.20463 (0.15133, 0.26482) | 40.9 (29.0, 55.7) | 0.0077721 (0.0055122, 0.0105769) | 0.23301 (0.17524, 0.29493) |
| Papua Barat | Ischemic heart disease                        | 60  | 18.7 (11.4, 27.6) | 0.0029001 (0.0017750, 0.0042836) | 0.14316 (0.09148, 0.19955) | 18.2 (10.6, 27.7) | 0.0034577 (0.0020168, 0.0052627) | 0.10369 (0.06224, 0.15330) |
| Papua Barat | Other cardiovascular and circulatory diseases | 60  | 6.4 (2.8, 13.0)   | 0.0009946 (0.0004365, 0.0020144) | 0.04905 (0.02183, 0.09750) | 10.1 (4.3, 19.7)  | 0.0019187 (0.0008109, 0.0037413) | 0.05759 (0.02528, 0.11153) |
| Papua Barat | Diabetes mellitus                             | 60  | 10.6 (6.2, 16.3)  | 0.0016444 (0.0009588, 0.0025385) | 0.08109 (0.04963, 0.12127) | 24.1 (14.3, 37.0) | 0.0045748 (0.0027163, 0.0070265) | 0.13707 (0.08325, 0.20231) |
| Papua Barat | Chronic kidney disease                        | 60  | 2.8 (1.6, 4.6)    | 0.0004398 (0.0002537, 0.0007123) | 0.0217 (0.01289, 0.03467)  | 3.5 (1.9, 5.7)    | 0.0006561 (0.0003537, 0.0010777) | 0.01967 (0.01137, 0.03033) |
| Papua Barat | Cirrhosis                                     | 60  | 5.8 (3.3, 9.0)    | 0.0008998 (0.0005126, 0.0013958) | 0.04438 (0.02504, 0.06712) | 5.3 (2.8, 9.0)    | 0.0010092 (0.0005260, 0.0017012) | 0.03025 (0.01611, 0.04941) |
| Papua Barat | Chronic respiratory diseases                  | 60  | 15.4 (8.6, 23.6)  | 0.0023964 (0.0013418, 0.0036658) | 0.11805 (0.07092, 0.17422) | 14.1 (7.5, 22.4)  | 0.0026735 (0.0014296, 0.0042540) | 0.08021 (0.04407, 0.12362) |
| Papua Barat | Other non-communicable diseases               | 60  | 10.3 (6.6, 14.9)  | 0.0016064 (0.0010216, 0.0023203) | 0.07935 (0.05209, 0.11347) | 15.4 (10.1, 22.6) | 0.002932 (0.0019232, 0.0042995)  | 0.0879 (0.05943, 0.12376)  |
| Papua Barat | Drowning                                      | 60  | 0.2 (0.0, 0.6)    | 0.00003 (0.0000069, 0.0000860)   | 0.00149 (0.00035, 0.00404) | 0.2 (0.0, 0.4)    | 0.0000293 (0.0000063, 0.0000847) | 0.00088 (0.00020, 0.00242) |
| Papua Barat | Falls                                         | 60  | 0.9 (0.3, 2.3)    | 0.0001421 (0.0000422, 0.0003511) | 0.00702 (0.00219, 0.01777) | 0.8 (0.2, 2.0)    | 0.0001564 (0.0000473, 0.0003816) | 0.0047 (0.00149, 0.01123)  |
| Papua Barat | Interpersonal violence                        | 60  | 0.2 (0.1, 0.5)    | 0.0000346 (0.0000112, 0.0000777) | 0.00171 (0.00056, 0.00396) | 0.2 (0.1, 0.5)    | 0.0000376 (0.0000117, 0.0000960) | 0.00112 (0.00035, 0.00273) |
| Papua Barat | Self-harm                                     | 60  | 0.3 (0.1, 0.8)    | 0.0000526 (0.0000138, 0.0001290) | 0.00261 (0.00069, 0.00646) | 0.2 (0.1, 0.6)    | 0.0000439 (0.0000115, 0.0001136) | 0.00132 (0.00035, 0.00330) |
| Papua Barat | Transport injuries                            | 60  | 2.9 (1.1, 5.9)    | 0.0004557 (0.0001750, 0.0009243) | 0.02247 (0.00866, 0.04439) | 1.7 (0.6, 3.8)    | 0.0003266 (0.0001182, 0.0007267) | 0.00979 (0.00345, 0.02102) |
| Papua Barat | Other unintentional injuries                  | 60  | 1.4 (0.5, 3.0)    | 0.0002131 (0.0000723, 0.0004635) | 0.01054 (0.00364, 0.02294) | 0.9 (0.3, 2.0)    | 0.000167 (0.0000539, 0.0003727)  | 0.00501 (0.00171, 0.01128) |
| Papua Barat | Diarrheal diseases                            | 65  | 2.5 (0.7, 5.0)    | 0.0006649 (0.0001920, 0.0013013) | 0.02311 (0.00691, 0.04379) | 5.6 (2.2, 10.1)   | 0.0018555 (0.0007377, 0.0033312) | 0.03768 (0.01484, 0.06572) |
| Papua Barat | HIV/AIDS                                      | 65  | 0.1 (0.0, 0.4)    | 0.0000281 (0.0000029, 0.0001068) | 0.00097 (0.00011, 0.00373) | 0.2 (0.0, 0.7)    | 0.0000541 (0.0000050, 0.0002175) | 0.0011 (0.00011, 0.00436)  |
| Papua Barat | Lower respiratory infections                  | 65  | 2.1 (0.7, 4.9)    | 0.0005499 (0.0001704, 0.0012826) | 0.01918 (0.00618, 0.04536) | 3.8 (1.3, 8.4)    | 0.0012705 (0.0004396, 0.0027814) | 0.02586 (0.00918, 0.05738) |
| Papua Barat | Malaria                                       | 65  | 0.7 (0.0, 3.0)    | 0.0001728 (0.0000078, 0.0007927) | 0.00607 (0.00027, 0.02693) | 0.7 (0.0, 4.0)    | 0.0002254 (0.0000076, 0.0013077) | 0.00458 (0.00017, 0.02712) |
| Papua Barat | Tuberculosis                                  | 65  | 11.6 (6.4, 18.3)  | 0.0030463 (0.0016705, 0.0047991) | 0.10601 (0.06298, 0.15326) | 11.6 (5.9, 18.3)  | 0.0038431 (0.0019369, 0.0060379) | 0.07804 (0.04090, 0.12231) |
| Papua Barat | Other communicable diseases                   | 65  | 1.6 (0.5, 3.2)    | 0.0004192 (0.0001238, 0.0008494) | 0.01457 (0.00441, 0.02796) | 2.9 (1.1, 5.7)    | 0.0009178 (0.0003492, 0.0018840) | 0.01973 (0.00718, 0.03683) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 65  | 0.9 (0.2, 2.3)    | 0.0002252 (0.0000529, 0.0005927) | 0.00784 (0.00180, 0.02083) | 0.4 (0.1, 1.0)    | 0.0001178 (0.0000266, 0.0003159) | 0.0024 (0.00052, 0.00646)  |
| Papua Barat | Breast cancer                                 | 65  | 0.1 (0.0, 0.3)    | 0.0000227 (0.0000037, 0.0000684) | 0.00079 (0.00013, 0.00237) | 2.4 (0.8, 5.1)    | 0.0008098 (0.0002490, 0.0016919) | 0.01645 (0.00517, 0.03367) |
| Papua Barat | Cervical cancer                               | 65  |                   |                                  |                            | 2.1 (0.5, 5.5)    | 0.0007032 (0.0001560, 0.0018198) | 0.0143 (0.00342, 0.03672)  |
| Papua Barat | Other malignant neoplasms                     | 65  | 4.0 (1.7, 7.4)    | 0.0010504 (0.0004437, 0.0019349) | 0.03659 (0.01654, 0.06448) | 3.9 (1.4, 7.7)    | 0.0012944 (0.0004750, 0.0025614) | 0.02631 (0.00942, 0.05080) |
| Papua Barat | Cerebrovascular disease                       | 65  | 23.2 (15.5, 32.0) | 0.0060817 (0.0040522, 0.0083830) | 0.21189 (0.15699, 0.27208) | 37.6 (27.3, 49.8) | 0.0124522 (0.0090398, 0.0164699) | 0.25309 (0.19451, 0.31654) |
| Papua Barat | Ischemic heart disease                        | 65  | 15.4 (9.2, 22.7)  | 0.0040258 (0.0024141, 0.0059326) | 0.1404 (0.08869, 0.19714)  | 14.5 (8.5, 22.1)  | 0.0047996 (0.0028060, 0.0073073) | 0.09759 (0.05793, 0.14532) |
| Papua Barat | Other cardiovascular and circulatory diseases | 65  | 6.0 (2.6, 12.0)   | 0.001569 (0.0006855, 0.0031345)  | 0.0547 (0.02467, 0.10531)  | 9.2 (4.0, 17.8)   | 0.0030413 (0.0013112, 0.0058809) | 0.06189 (0.02757, 0.12297) |
| Papua Barat | Diabetes mellitus                             | 65  | 7.2 (4.2, 11.2)   | 0.0018901 (0.0011107, 0.0029431) | 0.06586 (0.04095, 0.09852) | 16.3 (9.5, 25.2)  | 0.0053876 (0.0031382, 0.0083290) | 0.10943 (0.06461, 0.16505) |
| Papua Barat | Chronic kidney disease                        | 65  | 2.3 (1.3, 3.8)    | 0.0005964 (0.0003501, 0.0009838) | 0.02079 (0.01244, 0.03326) | 2.5 (1.4, 4.2)    | 0.0008401 (0.0004596, 0.0013828) | 0.01707 (0.00981, 0.02642) |
| Papua Barat | Cirrhosis                                     | 65  | 3.7 (2.1, 5.9)    | 0.0009773 (0.0005469, 0.0015472) | 0.03407 (0.01910, 0.05066) | 3.8 (2.0, 6.3)    | 0.0012706 (0.0006653, 0.0020693) | 0.02582 (0.01390, 0.04142) |
| Papua Barat | Chronic respiratory diseases                  | 65  | 14.3 (8.2, 21.3)  | 0.0037404 (0.0021403, 0.0055689) | 0.13017 (0.08162, 0.18610) | 12.8 (7.1, 20.2)  | 0.0042351 (0.0023442, 0.0066672) | 0.08613 (0.04938, 0.13031) |
| Papua Barat | Other non-communicable diseases               | 65  | 9.7 (6.2, 13.9)   | 0.0025504 (0.0016271, 0.0036302) | 0.08903 (0.06015, 0.12448) | 14.8 (9.8, 21.5)  | 0.0048965 (0.0032254, 0.0070998) | 0.0995 (0.06791, 0.13817)  |
| Papua Barat | Drowning                                      | 65  | 0.1 (0.0, 0.3)    | 0.0000301 (0.0000064, 0.0000860) | 0.00105 (0.00023, 0.00297) | 0.2 (0.0, 0.4)    | 0.0000501 (0.0000115, 0.0001373) | 0.00102 (0.00023, 0.00267) |
| Papua Barat | Falls                                         | 65  | 0.7 (0.2, 1.8)    | 0.0001894 (0.0000552, 0.0004798) | 0.0066 (0.00196, 0.01659)  | 0.9 (0.3, 2.3)    | 0.0003039 (0.0000977, 0.0007446) | 0.00619 (0.00210, 0.01502) |
| Papua Barat | Interpersonal violence                        | 65  | 0.1 (0.0, 0.4)    | 0.0000382 (0.0000119, 0.0000925) | 0.00134 (0.00040, 0.00315) | 0.1 (0.0, 0.3)    | 0.0000381 (0.0000109, 0.0001047) | 0.00077 (0.00023, 0.00207) |
| Papua Barat | Self-harm                                     | 65  | 0.3 (0.1, 0.6)    | 0.0000678 (0.0000173, 0.0001695) | 0.00237 (0.00060, 0.00601) | 0.1 (0.0, 0.4)    | 0.0000477 (0.0000118, 0.0001262) | 0.00097 (0.00026, 0.00252) |
| Papua Barat | Transport injuries                            | 65  | 1.9 (0.7, 4.0)    | 0.0005001 (0.0001896, 0.0010542) | 0.01742 (0.00652, 0.03525) | 1.4 (0.5, 3.1)    | 0.0004604 (0.0001575, 0.0010340) | 0.00936 (0.00327, 0.02072) |
| Papua Barat | Other unintentional injuries                  | 65  | 1.0 (0.4, 2.1)    | 0.0002621 (0.0000935, 0.0005596) | 0.00916 (0.00321, 0.01991) | 0.7 (0.2, 1.6)    | 0.0002322 (0.0000788, 0.0005227) | 0.00472 (0.00163, 0.01099) |
| Papua Barat | Diarrheal diseases                            | 70  | 3.1 (1.0, 5.8)    | 0.0015154 (0.0004981, 0.0028261) | 0.03299 (0.01133, 0.05887) | 5.6 (2.4, 9.7)    | 0.0037271 (0.0015911, 0.0063996) | 0.0483 (0.02178, 0.08010)  |
| Papua Barat | HIV/AIDS                                      | 70  | 0.1 (0.0, 0.5)    | 0.0000587 (0.0000055, 0.0002253) | 0.00127 (0.00012, 0.00493) | 0.2 (0.0, 0.7)    | 0.0001053 (0.0000113, 0.0004372) | 0.00136 (0.00014, 0.00533) |
| Papua Barat | Lower respiratory infections                  | 70  | 2.3 (0.7, 5.1)    | 0.0011077 (0.0003602, 0.0024855) | 0.02418 (0.00802, 0.05613) | 3.6 (1.3, 7.8)    | 0.0024135 (0.0008584, 0.0051341) | 0.03133 (0.01123, 0.06627) |
| Papua Barat | Malaria                                       | 70  | 0.6 (0.0, 2.9)    | 0.000274 (0.0000120, 0.0013925)  | 0.00602 (0.00025, 0.03005) | 0.5 (0.0, 3.0)    | 0.0003235 (0.0000103, 0.0019967) | 0.0042 (0.00015, 0.02641)  |
| Papua Barat | Tuberculosis                                  | 70  | 10.2 (5.5, 16.3)  | 0.0049665 (0.0026758, 0.0079180) | 0.10818 (0.06307, 0.16148) | 9.4 (4.7, 15.1)   | 0.0062442 (0.0030831, 0.0100023) | 0.08089 (0.04158, 0.12961) |
| Papua Barat | Other communicable diseases                   | 70  | 1.5 (0.5, 3.0)    | 0.0007156 (0.0002303, 0.0014442) | 0.01557 (0.00502, 0.03098) | 2.2 (0.8, 4.3)    | 0.0014455 (0.0005605, 0.0028441) | 0.01872 (0.00721, 0.03641) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 70  | 0.6 (0.1, 1.5)    | 0.0002736 (0.0000651, 0.0007305) | 0.00596 (0.00137, 0.01567) | 0.2 (0.1, 0.6)    | 0.0001507 (0.0000332, 0.0003992) | 0.00196 (0.00043, 0.00517) |
| Papua Barat | Breast cancer                                 | 70  | 0.1 (0.0, 0.2)    | 0.0000249 (0.0000038, 0.0000850) | 0.00054 (0.00008, 0.00183) | 1.2 (0.4, 2.6)    | 0.0008062 (0.0002455, 0.0017099) | 0.01045 (0.00330, 0.02218) |
| Papua Barat | Cervical cancer                               | 70  |                   |                                  |                            | 1.0 (0.2, 2.6)    | 0.0006403 (0.0001377, 0.0016905) | 0.0083 (0.00181, 0.02250)  |
| Papua Barat | Other malignant neoplasms                     | 70  | 2.6 (1.1, 4.8)    | 0.0012707 (0.0005281, 0.0023314) | 0.0277 (0.01217, 0.04917)  | 2.5 (0.9, 4.8)    | 0.0016478 (0.0006162, 0.0031986) | 0.02138 (0.00779, 0.04019) |
| Papua Barat | Cerebrovascular disease                       | 70  | 19.9 (13.3, 27.2) | 0.0096509 (0.0064802, 0.0132140) | 0.21045 (0.15760, 0.27045) | 30.0 (22.0, 39.5) | 0.019811 (0.0145432, 0.0261441)  | 0.25687 (0.19789, 0.32251) |
| Papua Barat | Ischemic heart disease                        | 70  | 12.3 (7.3, 18.2)  | 0.0059641 (0.0035332, 0.0088582) | 0.13017 (0.08127, 0.18702) | 11.6 (6.8, 18.1)  | 0.0076648 (0.0045054, 0.0119794) | 0.0994 (0.05935, 0.14977)  |
| Papua Barat | Other cardiovascular and circulatory diseases | 70  | 5.5 (2.4, 10.9)   | 0.0026798 (0.0011578, 0.0052986) | 0.05848 (0.02668, 0.11099) | 7.7 (3.4, 14.7)   | 0.0051179 (0.0022334, 0.0097155) | 0.06645 (0.02976, 0.12695) |
| Papua Barat | Diabetes mellitus                             | 70  | 4.5 (2.6, 7.2)    | 0.0021941 (0.0012689, 0.0034936) | 0.04785 (0.02882, 0.07280) | 9.7 (5.5, 15.4)   | 0.0064044 (0.0036436, 0.0101537) | 0.08301 (0.04878, 0.12802) |
| Papua Barat | Chronic kidney disease                        | 70  | 1.7 (1.0, 2.7)    | 0.0008083 (0.0004679, 0.0013158) | 0.01763 (0.01061, 0.02816) | 1.8 (1.0, 2.9)    | 0.0011623 (0.0006474, 0.0019002) | 0.01507 (0.00871, 0.02333) |
| Papua Barat | Cirrhosis                                     | 70  | 2.6 (1.4, 4.2)    | 0.0012731 (0.0006961, 0.0020521) | 0.02777 (0.01529, 0.04262) | 2.5 (1.3, 4.0)    | 0.0016319 (0.0008431, 0.0026341) | 0.02116 (0.01116, 0.03402) |
| Papua Barat | Chronic respiratory diseases                  | 70  | 14.5 (8.7, 20.8)  | 0.007062 (0.0042345, 0.0101224)  | 0.15384 (0.10045, 0.21070) | 11.9 (6.8, 18.0)  | 0.0078479 (0.0044844, 0.0119225) | 0.1018 (0.06017, 0.14761)  |
| Papua Barat | Other non-communicable diseases               | 70  | 9.0 (5.8, 12.9)   | 0.0043778 (0.0028047, 0.0062857) | 0.09561 (0.06592, 0.13473) | 12.6 (8.4, 17.9)  | 0.0083501 (0.0055791, 0.0118334) | 0.10827 (0.07524, 0.14850) |
| Papua Barat | Drowning                                      | 70  | 0.2 (0.0, 0.5)    | 0.0000761 (0.0000174, 0.0002190) | 0.00166 (0.00040, 0.00462) | 0.2 (0.0, 0.4)    | 0.0001112 (0.0000285, 0.0002939) | 0.00144 (0.00038, 0.00371) |
| Papua Barat | Falls                                         | 70  | 0.7 (0.2, 1.6)    | 0.0003163 (0.0000939, 0.0007833) | 0.00691 (0.00212, 0.01699) | 0.7 (0.2, 1.7)    | 0.0004628 (0.0001435, 0.0011067) | 0.00601 (0.00201, 0.01438) |
| Papua Barat | Interpersonal violence                        | 70  | 0.1 (0.0, 0.2)    | 0.0000422 (0.0000124, 0.0001075) | 0.00092 (0.00025, 0.00225) | 0.1 (0.0, 0.2)    | 0.0000412 (0.0000019, 0.0001138) | 0.00053 (0.00015, 0.00148) |
| Papua Barat | Self-harm                                     | 70  | 0.2 (0.0, 0.5)    | 0.0000888 (0.0000225, 0.0002204) | 0.00194 (0.00049, 0.00493) | 0.1 (0.0, 0.3)    | 0.0000622 (0.0000155, 0.0001664) | 0.0008 (0.00020, 0.00215)  |
| Papua Barat | Transport injuries                            | 70  | 1.5 (0.5, 3.2)    | 0.0007251 (0.0002647, 0.0015737) | 0.01581 (0.00603, 0.03356) | 0.9 (0.3, 2.2)    | 0.0006204 (0.0002122, 0.0014334) | 0.00804 (0.00278, 0.01789) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males               |                                   |                            | Females             |                                  |                            |
|-------------|----------------------------------------------------------|-----|---------------------|-----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)     | CSMR (95% UI)                     | CF (95% UI)                | Deaths (95% UI)     | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Other unintentional injuries                             | 70  | 0.8 (0.3, 1.7)      | 0.00039 (0.0001446, 0.0008472)    | 0.00853 (0.00314, 0.01828) | 0.5 (0.2, 1.2)      | 0.0003288 (0.0001153, 0.0007725) | 0.00427 (0.00152, 0.00998) |
| Papua Barat | Diarrheal diseases                                       | 75  | 2.0 (0.6, 3.6)      | 0.0024688 (0.0008046, 0.0045404)  | 0.03873 (0.01332, 0.06726) | 2.7 (1.1, 4.6)      | 0.005372 (0.0021813, 0.0091835)  | 0.04661 (0.01879, 0.07806) |
| Papua Barat | HIV/AIDS                                                 | 75  | 0.1 (0.0, 0.2)      | 0.0000649 (0.0000059, 0.0002744)  | 0.00101 (0.00010, 0.00428) | 0.1 (0.0, 0.2)      | 0.0001179 (0.0000119, 0.0004818) | 0.00102 (0.00011, 0.00436) |
| Papua Barat | Lower respiratory infections                             | 75  | 1.3 (0.4, 2.7)      | 0.0015851 (0.0005243, 0.0034584)  | 0.02493 (0.00864, 0.05630) | 1.5 (0.5, 3.3)      | 0.0029919 (0.0010412, 0.0064752) | 0.02601 (0.00903, 0.05725) |
| Papua Barat | Malaria                                                  | 75  | 0.3 (0.0, 1.6)      | 0.0004098 (0.0000170, 0.0020592)  | 0.00648 (0.00026, 0.03191) | 0.3 (0.0, 1.6)      | 0.0005495 (0.0000196, 0.0031098) | 0.00477 (0.00018, 0.02718) |
| Papua Barat | Tuberculosis                                             | 75  | 4.9 (2.5, 7.9)      | 0.0062438 (0.0032193, 0.0099759)  | 0.09804 (0.05383, 0.14883) | 4.7 (2.4, 7.4)      | 0.0092653 (0.0046712, 0.0146661) | 0.08041 (0.04119, 0.12672) |
| Papua Barat | Other communicable diseases                              | 75  | 0.7 (0.2, 1.5)      | 0.0009226 (0.0002967, 0.0019147)  | 0.01448 (0.00477, 0.02975) | 0.8 (0.3, 1.5)      | 0.0015035 (0.0005261, 0.0030324) | 0.01304 (0.00471, 0.02593) |
| Papua Barat | Tracheal, bronchus, and lung cancer                      | 75  | 0.3 (0.1, 0.7)      | 0.0003215 (0.0000779, 0.0008900)  | 0.00505 (0.00119, 0.01383) | 0.1 (0.0, 0.3)      | 0.0001838 (0.0000413, 0.0005262) | 0.0016 (0.00036, 0.00469)  |
| Papua Barat | Breast cancer                                            | 75  | - (0.0, 0.1)        | 0.0000228 (0.0000032, 0.0000797)  | 0.00036 (0.00005, 0.00122) | 0.5 (0.2, 1.2)      | 0.0010775 (0.0003368, 0.0023603) | 0.00936 (0.00295, 0.02093) |
| Papua Barat | Cervical cancer                                          | 75  |                     |                                   |                            | 0.2 (0.0, 0.7)      | 0.0004871 (0.0000842, 0.0014689) | 0.00423 (0.00074, 0.01284) |
| Papua Barat | Other malignant neoplasms                                | 75  | 1.1 (0.5, 2.0)      | 0.001388 (0.0005791, 0.0025552)   | 0.02182 (0.00941, 0.03964) | 1.2 (0.5, 2.4)      | 0.0024593 (0.0009717, 0.0047657) | 0.02137 (0.00845, 0.04016) |
| Papua Barat | Cerebrovascular disease                                  | 75  | 10.5 (7.0, 14.5)    | 0.0132528 (0.0088104, 0.0183241)  | 0.20833 (0.15448, 0.26949) | 14.2 (10.4, 18.6)   | 0.0282384 (0.0206223, 0.0370069) | 0.24524 (0.18802, 0.31145) |
| Papua Barat | Ischemic heart disease                                   | 75  | 7.1 (4.3, 10.6)     | 0.0090295 (0.0054250, 0.0133968)  | 0.14207 (0.08886, 0.20319) | 6.7 (3.9, 10.3)     | 0.0133848 (0.0077806, 0.0203791) | 0.11626 (0.07097, 0.17546) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 75  | 3.1 (1.3, 6.0)      | 0.0038706 (0.0016997, 0.0075414)  | 0.06089 (0.02732, 0.11669) | 4.2 (1.8, 7.9)      | 0.008411 (0.0036193, 0.0156177)  | 0.07316 (0.03243, 0.13746) |
| Papua Barat | Diabetes mellitus                                        | 75  | 2.1 (1.2, 3.4)      | 0.00259 (0.0014692, 0.0042364)    | 0.04072 (0.02409, 0.06286) | 4.4 (2.5, 6.9)      | 0.0087059 (0.0049842, 0.0136228) | 0.0756 (0.04450, 0.11770)  |
| Papua Barat | Chronic kidney disease                                   | 75  | 0.8 (0.5, 1.3)      | 0.0010327 (0.0005972, 0.0016967)  | 0.01624 (0.00970, 0.02557) | 0.9 (0.5, 1.5)      | 0.0018314 (0.0010384, 0.0029649) | 0.01591 (0.00910, 0.02476) |
| Papua Barat | Cirrhosis                                                | 75  | 1.2 (0.6, 1.9)      | 0.0015179 (0.0008159, 0.0024454)  | 0.02386 (0.01295, 0.03668) | 1.0 (0.5, 1.6)      | 0.0018975 (0.0009921, 0.0031455) | 0.01648 (0.00862, 0.02673) |
| Papua Barat | Chronic respiratory diseases                             | 75  | 7.8 (4.7, 11.3)     | 0.0098656 (0.0059348, 0.0142684)  | 0.15492 (0.10042, 0.21216) | 6.3 (3.7, 9.6)      | 0.0125721 (0.0073091, 0.0190347) | 0.10925 (0.06512, 0.16038) |
| Papua Barat | Other non-communicable diseases                          | 75  | 5.5 (3.6, 7.9)      | 0.0069624 (0.0045469, 0.0099430)  | 0.10961 (0.07528, 0.15191) | 7.2 (4.9, 10.1)     | 0.01434 (0.0098018, 0.0199702)   | 0.12456 (0.08729, 0.16944) |
| Papua Barat | Drowning                                                 | 75  | 0.1 (0.0, 0.3)      | 0.0001359 (0.0000317, 0.0004082)  | 0.00214 (0.00047, 0.00620) | 0.1 (0.0, 0.2)      | 0.0001194 (0.0000279, 0.0003355) | 0.00104 (0.00024, 0.00288) |
| Papua Barat | Falls                                                    | 75  | 0.4 (0.1, 0.9)      | 0.0004976 (0.0001501, 0.0011834)  | 0.00783 (0.00237, 0.01844) | 0.3 (0.1, 0.6)      | 0.0005209 (0.0001656, 0.0012312) | 0.00453 (0.00145, 0.01052) |
| Papua Barat | Interpersonal violence                                   | 75  | - (0.0, 0.1)        | 0.0000477 (0.0000105, 0.0001414)  | 0.00075 (0.00016, 0.00230) | - (0.0, 0.1)        | 0.0000555 (0.0000124, 0.0001729) | 0.00048 (0.00011, 0.00149) |
| Papua Barat | Self-harm                                                | 75  | 0.1 (0.0, 0.2)      | 0.0001242 (0.0000293, 0.0003137)  | 0.00196 (0.00048, 0.00500) | 0.1 (0.0, 0.2)      | 0.0001146 (0.0000283, 0.0003134) | 0.00099 (0.00026, 0.00269) |
| Papua Barat | Transport injuries                                       | 75  | 0.6 (0.2, 1.3)      | 0.0007363 (0.0002533, 0.0016322)  | 0.01157 (0.00386, 0.02508) | 0.3 (0.1, 0.6)      | 0.0005147 (0.0001574, 0.0012302) | 0.00447 (0.00143, 0.01036) |
| Papua Barat | Other unintentional injuries                             | 75  | 0.4 (0.1, 0.9)      | 0.0005191 (0.0001791, 0.0011037)  | 0.00082 (0.00287, 0.01722) | 0.2 (0.1, 0.5)      | 0.0004154 (0.0001475, 0.0009297) | 0.00361 (0.00130, 0.00805) |
| Papua Barat | Diarrheal diseases                                       | 80  | 5.4 (2.3, 8.7)      | 0.0101063 (0.0042685, 0.0163662)  | 0.0774 (0.03430, 0.12350)  | 10.5 (5.0, 16.4)    | 0.0161348 (0.0076492, 0.0252079) | 0.07781 (0.03731, 0.12182) |
| Papua Barat | HIV/AIDS                                                 | 80  | 0.1 (0.0, 0.3)      | 0.0001452 (0.0000124, 0.0005805)  | 0.00111 (0.00010, 0.00432) | 0.1 (0.0, 0.6)      | 0.0002224 (0.0000202, 0.0008730) | 0.00107 (0.00010, 0.00421) |
| Papua Barat | Lower respiratory infections                             | 80  | 2.5 (0.9, 5.1)      | 0.0047006 (0.0017703, 0.0095432)  | 0.03603 (0.01395, 0.07523) | 4.4 (1.6, 9.3)      | 0.006839 (0.0025328, 0.0142755)  | 0.03302 (0.01211, 0.06833) |
| Papua Barat | Malaria                                                  | 80  | 0.5 (0.0, 2.7)      | 0.0009519 (0.0000331, 0.0051163)  | 0.00731 (0.00025, 0.04093) | 0.7 (0.0, 4.4)      | 0.0010987 (0.0000353, 0.0067062) | 0.0053 (0.00017, 0.03228)  |
| Papua Barat | Tuberculosis                                             | 80  | 6.1 (2.9, 9.9)      | 0.011523 (0.0054192, 0.0187358)   | 0.08826 (0.04181, 0.14309) | 10.6 (5.0, 17.1)    | 0.0163604 (0.0077335, 0.0262487) | 0.0789 (0.03884, 0.12680)  |
| Papua Barat | Other communicable diseases                              | 80  | 1.5 (0.5, 2.9)      | 0.0027942 (0.00010238, 0.0054656) | 0.0214 (0.00782, 0.04067)  | 2.1 (0.8, 4.1)      | 0.0031544 (0.0011990, 0.0063323) | 0.01521 (0.00576, 0.03004) |
| Papua Barat | Tracheal, bronchus, and lung cancer                      | 80  | 0.2 (0.1, 0.7)      | 0.0004657 (0.0001021, 0.0013065)  | 0.00357 (0.00080, 0.00976) | 0.2 (0.0, 0.5)      | 0.0002666 (0.0000594, 0.0007801) | 0.00129 (0.00029, 0.00379) |
| Papua Barat | Breast cancer                                            | 80  | - (0.0, 0.1)        | 0.0000261 (0.0000033, 0.0000960)  | 0.0002 (0.00003, 0.00074)  | 0.8 (0.2, 1.9)      | 0.0011948 (0.0003131, 0.0029285) | 0.00577 (0.00151, 0.01446) |
| Papua Barat | Cervical cancer                                          | 80  |                     |                                   |                            | 0.3 (0.1, 1.1)      | 0.0005053 (0.0000803, 0.0016421) | 0.00244 (0.00039, 0.00811) |
| Papua Barat | Other malignant neoplasms                                | 80  | 1.1 (0.4, 2.1)      | 0.0020643 (0.0008463, 0.0040069)  | 0.01581 (0.00665, 0.02946) | 2.2 (0.9, 4.2)      | 0.0033838 (0.0013104, 0.0064581) | 0.01633 (0.00629, 0.03077) |
| Papua Barat | Cerebrovascular disease                                  | 80  | 14.5 (10.4, 19.1)   | 0.0274196 (0.0195431, 0.0360765)  | 0.21012 (0.15578, 0.26948) | 33.1 (24.8, 42.3)   | 0.0509339 (0.0381350, 0.0650262) | 0.24572 (0.18794, 0.30840) |
| Papua Barat | Ischemic heart disease                                   | 80  | 8.3 (4.9, 12.1)     | 0.0156899 (0.0092754, 0.0227825)  | 0.12033 (0.07423, 0.17639) | 14.9 (9.0, 23.0)    | 0.02297 (0.0138652, 0.0353628)   | 0.11082 (0.06753, 0.16811) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 80  | 3.7 (1.6, 7.7)      | 0.00695 (0.0030429, 0.0144439)    | 0.05328 (0.02325, 0.10756) | 8.9 (3.9, 16.9)     | 0.0136315 (0.0059277, 0.0260199) | 0.06583 (0.02899, 0.12728) |
| Papua Barat | Diabetes mellitus                                        | 80  | 2.1 (1.2, 3.4)      | 0.0039083 (0.0022085, 0.0063323)  | 0.02995 (0.01717, 0.04810) | 8.0 (4.4, 13.0)     | 0.0123137 (0.0067486, 0.0199720) | 0.05941 (0.03308, 0.09574) |
| Papua Barat | Chronic kidney disease                                   | 80  | 0.8 (0.5, 1.3)      | 0.0015138 (0.0008677, 0.0025192)  | 0.01161 (0.00676, 0.01897) | 1.7 (1.0, 2.8)      | 0.0026188 (0.0014731, 0.0043314) | 0.01263 (0.00727, 0.02063) |
| Papua Barat | Cirrhosis                                                | 80  | 1.5 (0.8, 2.3)      | 0.0027664 (0.0014966, 0.0043878)  | 0.0212 (0.01138, 0.03403)  | 1.9 (1.0, 3.1)      | 0.0028853 (0.0014986, 0.0048066) | 0.01392 (0.00748, 0.02341) |
| Papua Barat | Chronic respiratory diseases                             | 80  | 10.1 (6.3, 14.3)    | 0.0190791 (0.0119778, 0.0270089)  | 0.14614 (0.09424, 0.20284) | 14.1 (8.2, 21.2)    | 0.0216497 (0.0125762, 0.0326794) | 0.10448 (0.06071, 0.15304) |
| Papua Barat | Other non-communicable diseases                          | 80  | 8.1 (5.5, 11.1)     | 0.0153136 (0.0103122, 0.0210262)  | 0.11747 (0.08073, 0.16109) | 18.1 (12.8, 24.6)   | 0.0278656 (0.0196811, 0.0378895) | 0.13445 (0.09576, 0.18295) |
| Papua Barat | Drowning                                                 | 80  | 0.2 (0.1, 0.6)      | 0.0004164 (0.0001109, 0.0011072)  | 0.00319 (0.00083, 0.00857) | 0.1 (0.0, 0.4)      | 0.0002228 (0.0000557, 0.0006127) | 0.00107 (0.00027, 0.00290) |
| Papua Barat | Falls                                                    | 80  | 0.9 (0.3, 2.1)      | 0.0017725 (0.0005978, 0.0039075)  | 0.01359 (0.00473, 0.02970) | 0.8 (0.3, 1.8)      | 0.0012558 (0.0004325, 0.0027464) | 0.00606 (0.00216, 0.01329) |
| Papua Barat | Interpersonal violence                                   | 80  | - (0.0, 0.1)        | 0.0000651 (0.0000104, 0.0002140)  | 0.0005 (0.00008, 0.00163)  | - (0.0, 0.2)        | 0.0000732 (0.0000115, 0.0002545) | 0.00035 (0.00006, 0.00122) |
| Papua Barat | Self-harm                                                | 80  | 0.1 (0.0, 0.3)      | 0.0001886 (0.0000448, 0.0005223)  | 0.00145 (0.00035, 0.00381) | 0.1 (0.0, 0.3)      | 0.0001786 (0.0000410, 0.0004886) | 0.00086 (0.00020, 0.00238) |
| Papua Barat | Transport injuries                                       | 80  | 0.8 (0.3, 1.9)      | 0.0015646 (0.0004988, 0.0036363)  | 0.01198 (0.00379, 0.02735) | 0.5 (0.2, 1.3)      | 0.0008127 (0.0002372, 0.0020393) | 0.00392 (0.00113, 0.00953) |
| Papua Barat | Other unintentional injuries                             | 80  | 0.6 (0.2, 1.2)      | 0.0010556 (0.0003603, 0.0023307)  | 0.00811 (0.00267, 0.01755) | 0.4 (0.1, 1.1)      | 0.0006907 (0.0002237, 0.0016300) | 0.00333 (0.00108, 0.00788) |
| Papua Barat | Diarrheal diseases                                       | All | 92.7 (44.7, 154.1)  | 0.000216 (0.0001041, 0.0003590)   | 0.04629 (0.02306, 0.07316) | 125.3 (64.1, 207.1) | 0.0003305 (0.0001691, 0.0005462) | 0.05202 (0.02678, 0.08121) |
| Papua Barat | HIV/AIDS                                                 | All | 34.5 (5.4, 97.6)    | 0.0000803 (0.0000125, 0.0002275)  | 0.01719 (0.00266, 0.04668) | 38.7 (5.9, 105.3)   | 0.000102 (0.0000155, 0.0002776)  | 0.01603 (0.00252, 0.04301) |
| Papua Barat | Lower respiratory infections                             | All | 132.6 (70.0, 217.9) | 0.0003088 (0.0001632, 0.0005076)  | 0.06597 (0.03793, 0.10274) | 115.1 (62.3, 195.0) | 0.0003036 (0.0001643, 0.0005141) | 0.04783 (0.02675, 0.07854) |
| Papua Barat | Malaria                                                  | All | 18.4 (0.8, 88.4)    | 0.0000428 (0.0000018, 0.0002060)  | 0.00919 (0.00044, 0.04659) | 19.6 (0.8, 105.6)   | 0.0000516 (0.0000022, 0.0002786) | 0.0081 (0.00033, 0.04284)  |
| Papua Barat | Tuberculosis                                             | All | 174.5 (91.8, 276.6) | 0.0004065 (0.0002139, 0.0006443)  | 0.08733 (0.04842, 0.13203) | 182.0 (92.9, 286.8) | 0.00048 (0.0002449, 0.0007562)   | 0.07566 (0.03992, 0.11909) |
| Papua Barat | Maternal disorders                                       | All |                     |                                   |                            | 29.0 (15.9, 47.8)   | 0.0000766 (0.0000420, 0.0001262) | 0.01206 (0.00678, 0.01885) |
| Papua Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 73.4 (31.5, 129.6)  | 0.0001709 (0.0000733, 0.0003019)  | 0.03628 (0.01711, 0.06051) | 50.0 (23.2, 93.6)   | 0.0001318 (0.0000612, 0.0002468) | 0.02062 (0.00969, 0.03683) |
| Papua Barat | Preterm birth complications                              | All | 56.1 (21.6, 112.6)  | 0.0001306 (0.0000503, 0.0002623)  | 0.02774 (0.01151, 0.05348) | 52.2 (21.6, 101.3)  | 0.0001376 (0.0000570, 0.0002672) | 0.02155 (0.00929, 0.04070) |
| Papua Barat | Other neonatal disorders                                 | All | 61.3 (15.6, 131.6)  | 0.0001428 (0.0000364, 0.0003065)  | 0.03038 (0.00782, 0.06250) | 41.7 (9.8, 98.1)    | 0.00011 (0.0000260, 0.0002587)   | 0.01722 (0.00421, 0.03886) |
| Papua Barat | Other communicable diseases                              | All | 153.9 (84.7, 233.3) | 0.0003585 (0.0001974, 0.0005436)  | 0.07694 (0.04344, 0.11332) | 149.1 (82.2, 239.6) | 0.0003931 (0.0002167, 0.0006319) | 0.06182 (0.03383, 0.09443) |
| Papua Barat | Tracheal, bronchus, and lung cancer                      | All | 9.8 (2.4, 26.4)     | 0.0000229 (0.0000057, 0.0000615)  | 0.00491 (0.00119, 0.01307) | 6.3 (1.4, 16.7)     | 0.0000167 (0.0000038, 0.0000440) | 0.00264 (0.00058, 0.00690) |
| Papua Barat | Breast cancer                                            | All | 1.1 (0.3, 2.7)      | 0.0000025 (0.0000006, 0.0000064)  | 0.00053 (0.00014, 0.00138) | 79.9 (31.0, 151.7)  | 0.0002107 (0.0000817, 0.0004001) | 0.03318 (0.01306, 0.05900) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                |                                  |                               | Females              |                                  |                            |
|-------------|----------------------------------------------------------|-----|----------------------|----------------------------------|-------------------------------|----------------------|----------------------------------|----------------------------|
|             |                                                          |     | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                   | Deaths (95% UI)      | CSMR (95% UI)                    | CF (95% UI)                |
| Papua Barat | Cervical cancer                                          | All |                      |                                  |                               | 46.7 (11.8, 112.2)   | 0.0001232 (0.0000311, 0.0002959) | 0.01944 (0.00535, 0.04761) |
| Papua Barat | Other malignant neoplasms                                | All | 83.3 (37.8, 144.5)   | 0.000194 (0.0000881, 0.0003366)  | 0.04172 (0.01975, 0.07082)    | 89.5 (37.9, 161.8)   | 0.0002361 (0.0001000, 0.0004267) | 0.03722 (0.01585, 0.06701) |
| Papua Barat | Cerebrovascular disease                                  | All | 185.9 (123.4, 257.2) | 0.0004331 (0.0002875, 0.0005992) | 0.09318 (0.06344, 0.12702)    | 310.9 (218.1, 425.7) | 0.0008199 (0.0005750, 0.0011226) | 0.12933 (0.09314, 0.16846) |
| Papua Barat | Ischemic heart disease                                   | All | 150.3 (91.3, 222.6)  | 0.000305 (0.0002126, 0.0005185)  | 0.07537 (0.04672, 0.10830)    | 151.8 (87.8, 233.1)  | 0.0004002 (0.0002315, 0.0006146) | 0.06311 (0.03742, 0.09765) |
| Papua Barat | Other cardiovascular and circulatory diseases            | All | 51.6 (22.6, 104.8)   | 0.0001203 (0.0000525, 0.0002440) | 0.0259 (0.01128, 0.05228)     | 88.4 (37.6, 171.5)   | 0.0002332 (0.0000991, 0.0004523) | 0.03684 (0.01640, 0.07292) |
| Papua Barat | Diabetes mellitus                                        | All | 73.2 (43.1, 114.0)   | 0.0001705 (0.0001004, 0.0002656) | 0.03666 (0.02193, 0.05654)    | 178.4 (105.4, 275.5) | 0.0004703 (0.0002780, 0.0007266) | 0.07413 (0.04434, 0.11264) |
| Papua Barat | Chronic kidney disease                                   | All | 34.3 (20.1, 55.9)    | 0.00008 (0.0000469, 0.0001303)   | 0.0172 (0.01019, 0.02704)     | 45.6 (25.1, 73.7)    | 0.0001203 (0.0000661, 0.0001943) | 0.01895 (0.01104, 0.02938) |
| Papua Barat | Cirrhosis                                                | All | 66.0 (37.2, 102.6)   | 0.0001538 (0.0000867, 0.0002390) | 0.0331 (0.01811, 0.04969)     | 66.7 (35.1, 109.8)   | 0.0001758 (0.0000925, 0.0002896) | 0.02771 (0.01481, 0.04541) |
| Papua Barat | Chronic respiratory diseases                             | All | 121.5 (68.6, 189.2)  | 0.0002831 (0.0001598, 0.0004408) | 0.06083 (0.03543, 0.09338)    | 119.3 (64.2, 194.1)  | 0.0003145 (0.0001693, 0.0005117) | 0.04964 (0.02732, 0.07866) |
| Papua Barat | Other non-communicable diseases                          | All | 178.1 (122.7, 241.6) | 0.0004149 (0.0002859, 0.0005628) | 0.08911 (0.06534, 0.11853)    | 259.8 (182.9, 353.9) | 0.0006852 (0.0004822, 0.0009332) | 0.10793 (0.07908, 0.14185) |
| Papua Barat | Drowning                                                 | All | 34.9 (15.7, 68.1)    | 0.0000812 (0.0000365, 0.0001586) | 0.01748 (0.00777, 0.03452)    | 15.7 (5.8, 33.5)     | 0.0000414 (0.0000154, 0.0000883) | 0.00652 (0.00248, 0.01437) |
| Papua Barat | Falls                                                    | All | 15.4 (5.2, 35.2)     | 0.0000359 (0.0000121, 0.0000819) | 0.00771 (0.00269, 0.01761)    | 12.9 (4.3, 30.5)     | 0.0000341 (0.0000112, 0.0000805) | 0.00539 (0.00183, 0.01311) |
| Papua Barat | Interpersonal violence                                   | All | 12.5 (5.4, 25.3)     | 0.0000292 (0.0000127, 0.0000590) | 0.00628 (0.00267, 0.01231)    | 12.4 (4.7, 27.0)     | 0.0000327 (0.0000123, 0.0000713) | 0.00516 (0.00202, 0.01124) |
| Papua Barat | Self-harm                                                | All | 9.2 (2.9, 20.5)      | 0.0000215 (0.0000068, 0.0000478) | 0.00462 (0.00149, 0.01020)    | 7.9 (2.3, 17.9)      | 0.0000208 (0.0000060, 0.0000472) | 0.00327 (0.00095, 0.00764) |
| Papua Barat | Transport injuries                                       | All | 121.2 (65.7, 202.6)  | 0.0002824 (0.0001531, 0.0004718) | 0.06076 (0.03417, 0.10016)    | 78.7 (37.6, 146.4)   | 0.0002076 (0.0000992, 0.0003861) | 0.03278 (0.01542, 0.06050) |
| Papua Barat | Other unintentional injuries                             | All | 54.7 (23.9, 101.4)   | 0.0001274 (0.0000556, 0.0002362) | 0.02738 (0.01249, 0.05082)    | 33.3 (13.1, 67.1)    | 0.0000879 (0.0000347, 0.0001771) | 0.01387 (0.00567, 0.02835) |
| Papua       | Diarrheal diseases                                       | NN  | 2.7 (0.7, 6.2)       | 0.0014528 (0.0004048, 0.0033844) | 0.00751 (0.00291, 0.01497)    | 2.6 (0.8, 6.4)       | 0.0014165 (0.0004213, 0.0034720) | 0.00962 (0.00382, 0.01857) |
| Papua       | Lower respiratory infections                             | NN  | 80.8 (32.2, 149.8)   | 0.0438621 (0.0175077, 0.0813675) | 0.22661 (0.14649, 0.32943)    | 56.3 (22.1, 111.6)   | 0.0303307 (0.0118992, 0.0601027) | 0.20576 (0.12721, 0.31694) |
| Papua       | Malaria                                                  | NN  | 0.6 (0.1, 2.0)       | 0.0002988 (0.0000325, 0.0010741) | 0.00156 (0.0000215, 0.005020) | 0.4 (0.0, 1.5)       | 0.000203 (0.0000215, 0.0008122)  | 0.00139 (0.00019, 0.00499) |
| Papua       | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 138.7 (55.2, 248.8)  | 0.0753297 (0.0299501, 0.1350822) | 0.3883 (0.23040, 0.51992)     | 106.0 (43.4, 201.8)  | 0.0570967 (0.0233412, 0.1086383) | 0.39102 (0.22559, 0.53521) |
| Papua       | Preterm birth complications                              | NN  | 36.2 (6.9, 96.5)     | 0.019661 (0.0037338, 0.0524099)  | 0.1029 (0.02560, 0.24650)     | 36.7 (7.4, 92.9)     | 0.0197359 (0.0039991, 0.0500136) | 0.13565 (0.03551, 0.29718) |
| Papua       | Other neonatal disorders                                 | NN  | 44.6 (5.3, 128.1)    | 0.0242134 (0.0029049, 0.0695473) | 0.12284 (0.01903, 0.29019)    | 31.6 (3.7, 95.7)     | 0.0169871 (0.0020113, 0.0515066) | 0.11541 (0.01700, 0.29516) |
| Papua       | Other communicable diseases                              | NN  | 3.7 (1.2, 8.3)       | 0.0020085 (0.0006403, 0.0044997) | 0.01036 (0.00442, 0.01968)    | 2.6 (0.6, 6.7)       | 0.0013814 (0.0004323, 0.0036101) | 0.00939 (0.00385, 0.01840) |
| Papua       | Other malignant neoplasms                                | NN  | 2.1 (0.7, 4.7)       | 0.0011667 (0.0003773, 0.0025650) | 0.00601 (0.00284, 0.01143)    | 1.7 (0.6, 4.1)       | 0.0009295 (0.0002963, 0.0021985) | 0.00634 (0.00292, 0.01187) |
| Papua       | Cerebrovascular disease                                  | NN  | 0.4 (0.1, 1.3)       | 0.0002186 (0.0000472, 0.0006843) | 0.00112 (0.00033, 0.00288)    | 0.4 (0.1, 1.3)       | 0.0002366 (0.0000518, 0.0006872) | 0.0016 (0.00045, 0.00388)  |
| Papua       | Other cardiovascular and circulatory diseases            | NN  | 0.3 (0.1, 0.9)       | 0.0001685 (0.0000345, 0.0005030) | 0.00087 (0.00021, 0.00238)    | 0.3 (0.1, 0.9)       | 0.0001635 (0.0000331, 0.0005041) | 0.00111 (0.00029, 0.00314) |
| Papua       | Diabetes mellitus                                        | NN  | 0.1 (0.0, 0.7)       | 0.0000523 (0.0000002, 0.0004053) | 0.00027 (0.00000, 0.00198)    | 0.2 (0.0, 1.2)       | 0.0000832 (0.0000004, 0.0006455) | 0.00056 (0.00000, 0.00428) |
| Papua       | Other non-communicable diseases                          | NN  | 29.4 (13.4, 51.0)    | 0.0159893 (0.0072681, 0.0277178) | 0.08223 (0.06095, 0.10260)    | 27.6 (12.6, 49.7)    | 0.0148497 (0.0067936, 0.0267403) | 0.10137 (0.07714, 0.12502) |
| Papua       | Drowning                                                 | NN  | 6.9 (1.8, 16.5)      | 0.0037219 (0.0010039, 0.0089515) | 0.01909 (0.00689, 0.03924)    | 1.9 (0.5, 5.0)       | 0.001011 (0.0002492, 0.0027159)  | 0.00688 (0.00214, 0.01528) |
| Papua       | Falls                                                    | NN  | 2.2 (0.4, 6.7)       | 0.0011801 (0.0002098, 0.0036443) | 0.00608 (0.00145, 0.01599)    | 0.8 (0.1, 2.3)       | 0.0004191 (0.0000711, 0.0012607) | 0.00285 (0.00063, 0.00741) |
| Papua       | Interpersonal violence                                   | NN  | 1.7 (0.4, 4.7)       | 0.00094 (0.0002224, 0.0025696)   | 0.00483 (0.00158, 0.01097)    | 1.0 (0.2, 2.5)       | 0.0005206 (0.0001214, 0.0013666) | 0.00355 (0.00109, 0.00826) |
| Papua       | Transport injuries                                       | NN  | 3.5 (1.0, 8.9)       | 0.0019239 (0.0005637, 0.0048117) | 0.00989 (0.00422, 0.01958)    | 0.9 (0.3, 2.5)       | 0.000497 (0.0001378, 0.0013242)  | 0.00338 (0.00132, 0.00712) |
| Papua       | Other unintentional injuries                             | NN  | 3.4 (0.7, 10.1)      | 0.001861 (0.0003747, 0.0054625)  | 0.00952 (0.00241, 0.02315)    | 1.1 (0.2, 3.3)       | 0.0006067 (0.0001184, 0.0017585) | 0.00412 (0.00111, 0.01001) |
| Papua       | Diarrheal diseases                                       | PNN | 64.1 (23.9, 132.6)   | 0.002787 (0.0010382, 0.0057696)  | 0.14778 (0.07590, 0.22967)    | 88.8 (35.6, 175.2)   | 0.0038292 (0.0015342, 0.0075574) | 0.19777 (0.10829, 0.28973) |
| Papua       | HIV/AIDS                                                 | PNN | 67.3 (23.1, 139.0)   | 0.0029264 (0.0010035, 0.0060476) | 0.15432 (0.07590, 0.24488)    | 64.3 (20.9, 133.8)   | 0.0027733 (0.0009005, 0.0057698) | 0.14284 (0.06511, 0.23792) |
| Papua       | Lower respiratory infections                             | PNN | 68.1 (24.3, 146.1)   | 0.0029625 (0.0010580, 0.0063546) | 0.15627 (0.07789, 0.24899)    | 65.3 (25.6, 130.6)   | 0.0028182 (0.0011058, 0.0056324) | 0.14556 (0.07027, 0.23569) |
| Papua       | Malaria                                                  | PNN | 13.0 (1.8, 46.5)     | 0.0005677 (0.0000793, 0.0020216) | 0.0303 (0.00498, 0.09757)     | 12.6 (1.8, 44.6)     | 0.0005442 (0.0000766, 0.0019239) | 0.02826 (0.00453, 0.09605) |
| Papua       | Tuberculosis                                             | PNN | 34.8 (12.2, 72.5)    | 0.0015134 (0.0005293, 0.0031547) | 0.07973 (0.04169, 0.13698)    | 33.7 (11.7, 74.9)    | 0.0014556 (0.0005034, 0.0032300) | 0.07516 (0.03620, 0.13331) |
| Papua       | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 11.0 (1.9, 33.6)     | 0.0004788 (0.0000839, 0.0014604) | 0.02512 (0.00570, 0.07014)    | 10.6 (1.9, 33.2)     | 0.0004568 (0.0000839, 0.0014322) | 0.02376 (0.00532, 0.06664) |
| Papua       | Preterm birth complications                              | PNN | 4.5 (0.7, 15.4)      | 0.0001949 (0.0000298, 0.0006685) | 0.01043 (0.00179, 0.03279)    | 6.5 (0.9, 20.9)      | 0.0002803 (0.0000395, 0.0008995) | 0.01475 (0.00261, 0.04466) |
| Papua       | Other neonatal disorders                                 | PNN | 10.3 (0.7, 42.8)     | 0.0004468 (0.0000299, 0.0018631) | 0.02343 (0.00187, 0.08945)    | 10.0 (0.7, 44.6)     | 0.0004321 (0.0000294, 0.0019255) | 0.02205 (0.00171, 0.08788) |
| Papua       | Other communicable diseases                              | PNN | 98.7 (40.5, 185.4)   | 0.0042947 (0.0017614, 0.0080642) | 0.22674 (0.13493, 0.31317)    | 95.9 (39.2, 180.6)   | 0.0041353 (0.0016924, 0.0077921) | 0.21477 (0.12161, 0.30597) |
| Papua       | Other malignant neoplasms                                | PNN | 2.5 (0.8, 5.7)       | 0.0001099 (0.0000367, 0.0002465) | 0.0058 (0.00274, 0.01111)     | 2.8 (1.0, 5.9)       | 0.0001189 (0.0000422, 0.0002527) | 0.00614 (0.00289, 0.01164) |
| Papua       | Cerebrovascular disease                                  | PNN | 0.5 (0.1, 1.3)       | 0.0000206 (0.0000044, 0.0000586) | 0.00108 (0.000032, 0.00276)   | 0.7 (0.2, 1.9)       | 0.000303 (0.0000032, 0.0000813)  | 0.00156 (0.00046, 0.00379) |
| Papua       | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.5)       | 0.0000046 (0.0000002, 0.0000222) | 0.00024 (0.00001, 0.00119)    | 0.2 (0.0, 0.8)       | 0.0000072 (0.0000004, 0.0000352) | 0.00036 (0.00002, 0.00175) |
| Papua       | Other cardiovascular and circulatory diseases            | PNN | 0.4 (0.1, 1.1)       | 0.000016 (0.0000032, 0.0000492)  | 0.00084 (0.00021, 0.00230)    | 0.5 (0.1, 1.5)       | 0.000021 (0.0000045, 0.0000665)  | 0.00108 (0.00028, 0.00309) |
| Papua       | Diabetes mellitus                                        | PNN | 0.1 (0.0, 1.0)       | 0.0000049 (0.0000000, 0.0000418) | 0.00026 (0.00000, 0.00194)    | 0.2 (0.0, 1.9)       | 0.0000103 (0.0000000, 0.0000816) | 0.00054 (0.00000, 0.00414) |
| Papua       | Chronic kidney disease                                   | PNN | 1.5 (0.4, 3.6)       | 0.0000639 (0.0000191, 0.0001566) | 0.00338 (0.00136, 0.00721)    | 1.8 (0.6, 4.6)       | 0.0000784 (0.0000255, 0.0001994) | 0.00406 (0.00178, 0.00856) |
| Papua       | Other non-communicable diseases                          | PNN | 34.5 (15.7, 62.9)    | 0.0014993 (0.0006819, 0.0027346) | 0.07914 (0.05874, 0.09901)    | 43.9 (21.4, 75.5)    | 0.0018935 (0.0009227, 0.0032552) | 0.09796 (0.07407, 0.12120) |
| Papua       | Drowning                                                 | PNN | 9.5 (3.0, 23.2)      | 0.0004121 (0.0001285, 0.0010083) | 0.02176 (0.00820, 0.04301)    | 3.6 (0.9, 8.6)       | 0.0001535 (0.0000408, 0.0003725) | 0.00794 (0.00256, 0.01714) |
| Papua       | Falls                                                    | PNN | 2.9 (0.6, 8.6)       | 0.0001273 (0.0000248, 0.0003725) | 0.00669 (0.00160, 0.01725)    | 1.4 (0.3, 4.2)       | 0.000062 (0.0000123, 0.0001794)  | 0.00317 (0.00072, 0.00821) |
| Papua       | Interpersonal violence                                   | PNN | 2.3 (0.6, 5.9)       | 0.0000989 (0.0000247, 0.0002584) | 0.0052 (0.00195, 0.01155)     | 1.7 (0.5, 4.5)       | 0.0000747 (0.0000195, 0.0001950) | 0.00386 (0.00120, 0.00877) |
| Papua       | Transport injuries                                       | PNN | 4.9 (1.5, 11.8)      | 0.0002122 (0.0000644, 0.0005121) | 0.01118 (0.00479, 0.02189)    | 1.7 (0.5, 4.2)       | 0.0000749 (0.0000211, 0.0001820) | 0.00386 (0.00154, 0.00805) |
| Papua       | Other unintentional injuries                             | PNN | 4.5 (1.0, 12.6)      | 0.000195 (0.0000427, 0.0005475)  | 0.01032 (0.00271, 0.02467)    | 2.0 (0.4, 5.4)       | 0.0000868 (0.0000190, 0.0002350) | 0.00451 (0.00121, 0.01072) |
| Papua       | Diarrheal diseases                                       | 1   | 27.9 (9.0, 62.3)     | 0.0001784 (0.0000577, 0.0003980) | 0.07394 (0.03518, 0.12730)    | 24.1 (7.8, 54.5)     | 0.0001692 (0.0000551, 0.0003834) | 0.10578 (0.05200, 0.16969) |
| Papua       | HIV/AIDS                                                 | 1   | 62.0 (20.7, 134.9)   | 0.000396 (0.0001323, 0.0008622)  | 0.16551 (0.08532, 0.25720)    | 37.8 (13.0, 84.1)    | 0.0002655 (0.0000913, 0.0005912) | 0.16737 (0.08044, 0.26716) |
| Papua       | Lower respiratory infections                             | 1   | 61.7 (20.5, 136.4)   | 0.0003943 (0.0001312, 0.0008712) | 0.16373 (0.08378, 0.25729)    | 37.7 (13.4, 84.3)    | 0.0002651 (0.0000945, 0.0005932) | 0.16671 (0.08153, 0.26923) |
| Papua       | Malaria                                                  | 1   | 4.6 (0.6, 16.2)      | 0.0000292 (0.0000036, 0.0001037) | 0.01227 (0.00188, 0.04043)    | 2.8 (0.3, 10.6)      | 0.0000196 (0.0000024, 0.0000747) | 0.01219 (0.00202, 0.04265) |
| Papua       | Tuberculosis                                             | 1   | 34.0 (11.3, 76.8)    | 0.0002171 (0.0000720, 0.0004909) | 0.08999 (0.04938, 0.14894)    | 21.0 (7.1, 47.0)     | 0.0001478 (0.0000500, 0.0003305) | 0.09271 (0.04642, 0.15822) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males           |               |                                  |                            | Females            |                                  |                            |  |
|----------|----------------------------------------------------------|-----|-----------------|---------------|----------------------------------|----------------------------|--------------------|----------------------------------|----------------------------|--|
|          |                                                          |     | Deaths (95% UI) | CSMR (95% UI) | CF (95% UI)                      |                            | Deaths (95% UI)    | CSMR (95% UI)                    | CF (95% UI)                |  |
| Papua    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 5.8             | (0.8, 21.0)   | 0.0000369 (0.0000051, 0.0001344) | 0.01559 (0.00277, 0.05315) | 3.4 (0.5, 11.9)    | 0.0000237 (0.0000035, 0.0000835) | 0.01509 (0.00277, 0.05024) |  |
| Papua    | Preterm birth complications                              | 1   | 0.4             | (0.0, 2.0)    | 0.0000028 (0.0000002, 0.0000129) | 0.00113 (0.00009, 0.00499) | 0.4 (0.0, 1.9)     | 0.0000026 (0.0000002, 0.0000131) | 0.00163 (0.00014, 0.00752) |  |
| Papua    | Other neonatal disorders                                 | 1   | 0.5             | (0.0, 3.7)    | 0.0000034 (0.0000000, 0.0000235) | 0.00142 (0.00001, 0.01049) | 0.3 (0.0, 2.2)     | 0.0000021 (0.0000000, 0.0000158) | 0.00136 (0.00001, 0.01014) |  |
| Papua    | Other communicable diseases                              | 1   | 93.1            | (36.5, 181.5) | 0.0005946 (0.0002330, 0.0011598) | 0.24713 (0.17092, 0.31880) | 57.3 (23.3, 113.6) | 0.0004033 (0.0001638, 0.0007988) | 0.25381 (0.16798, 0.33499) |  |
| Papua    | Other malignant neoplasms                                | 1   | 1.6             | (0.5, 4.0)    | 0.0000105 (0.0000032, 0.0000258) | 0.00438 (0.00202, 0.00844) | 1.3 (0.4, 2.9)     | 0.000009 (0.0000028, 0.0000206)  | 0.00569 (0.00267, 0.01092) |  |
| Papua    | Cerebrovascular disease                                  | 1   | 0.3             | (0.1, 1.0)    | 0.0000021 (0.0000005, 0.0000062) | 0.0009 (0.00025, 0.00232)  | 0.4 (0.1, 1.1)     | 0.0000025 (0.0000006, 0.0000074) | 0.00158 (0.00047, 0.00382) |  |
| Papua    | Ischemic heart disease                                   | 1   | 0.1             | (0.0, 0.4)    | 0.0000005 (0.0000000, 0.0000024) | 0.00021 (0.00001, 0.00097) | 0.1 (0.0, 0.4)     | 0.0000006 (0.0000000, 0.0000028) | 0.00038 (0.00002, 0.00173) |  |
| Papua    | Other cardiovascular and circulatory diseases            | 1   | 0.2             | (0.0, 0.8)    | 0.0000015 (0.0000003, 0.0000048) | 0.00065 (0.00016, 0.00182) | 0.2 (0.0, 0.7)     | 0.0000016 (0.0000003, 0.0000052) | 0.00103 (0.00027, 0.00288) |  |
| Papua    | Diabetes mellitus                                        | 1   | 0.1             | (0.0, 0.5)    | 0.0000005 (0.0000000, 0.0000034) | 0.0002 (0.00000, 0.00145)  | 0.1 (0.0, 0.9)     | 0.0000008 (0.0000000, 0.0000064) | 0.00051 (0.00000, 0.00375) |  |
| Papua    | Chronic kidney disease                                   | 1   | 0.9             | (0.2, 2.4)    | 0.0000059 (0.0000015, 0.0000153) | 0.00246 (0.00095, 0.00523) | 0.8 (0.2, 2.0)     | 0.0000058 (0.0000016, 0.0000143) | 0.00363 (0.00157, 0.00772) |  |
| Papua    | Cirrhosis                                                | 1   | 2.1             | (0.5, 5.6)    | 0.0000132 (0.0000030, 0.0000355) | 0.00549 (0.00184, 0.01166) | 0.9 (0.2, 2.4)     | 0.0000065 (0.0000015, 0.0000169) | 0.00407 (0.00144, 0.00888) |  |
| Papua    | Chronic respiratory diseases                             | 1   | 6.2             | (1.6, 15.1)   | 0.0000396 (0.0000105, 0.0000963) | 0.01657 (0.00612, 0.03232) | 2.2 (0.5, 6.0)     | 0.0000155 (0.0000037, 0.0000420) | 0.00976 (0.00308, 0.02186) |  |
| Papua    | Other non-communicable diseases                          | 1   | 22.7            | (9.1, 44.4)   | 0.0001448 (0.0000578, 0.0002835) | 0.05995 (0.04148, 0.08022) | 20.6 (8.6, 40.8)   | 0.000145 (0.0000603, 0.0002867)  | 0.09095 (0.06692, 0.11572) |  |
| Papua    | Drowning                                                 | 1   | 24.4            | (7.3, 54.9)   | 0.0001559 (0.0000463, 0.0003505) | 0.06469 (0.02957, 0.10903) | 6.3 (1.7, 15.3)    | 0.0000442 (0.0000120, 0.0001075) | 0.02759 (0.01092, 0.05300) |  |
| Papua    | Falls                                                    | 1   | 5.5             | (0.9, 16.9)   | 0.000035 (0.0000056, 0.0001080)  | 0.01455 (0.00325, 0.03757) | 1.8 (0.3, 5.5)     | 0.0000127 (0.0000021, 0.0000384) | 0.00801 (0.00174, 0.02196) |  |
| Papua    | Interpersonal violence                                   | 1   | 3.5             | (0.7, 9.9)    | 0.0000225 (0.0000046, 0.0000631) | 0.00922 (0.00292, 0.02073) | 1.8 (0.3, 5.0)     | 0.0000128 (0.0000025, 0.0000354) | 0.00797 (0.00223, 0.01833) |  |
| Papua    | Transport injuries                                       | 1   | 11.7            | (3.2, 30.3)   | 0.0000749 (0.0000205, 0.0001937) | 0.03067 (0.01221, 0.05958) | 2.8 (0.7, 7.6)     | 0.00002 (0.0000049, 0.0000533)   | 0.01238 (0.00438, 0.02558) |  |
| Papua    | Other unintentional injuries                             | 1   | 7.3             | (1.3, 21.2)   | 0.0000466 (0.0000085, 0.0001352) | 0.01935 (0.00510, 0.04928) | 2.2 (0.4, 6.9)     | 0.0000157 (0.0000028, 0.0000483) | 0.00983 (0.00237, 0.02566) |  |
| Papua    | Diarrheal diseases                                       | 5   | 16.0            | (7.3, 28.9)   | 0.0000806 (0.0000366, 0.0001459) | 0.05782 (0.02694, 0.10272) | 17.1 (8.1, 29.2)   | 0.0000999 (0.0000474, 0.0001702) | 0.09001 (0.04296, 0.15191) |  |
| Papua    | HIV/AIDS                                                 | 5   | 27.6            | (10.9, 49.7)  | 0.0001391 (0.0000552, 0.0002508) | 0.09981 (0.04041, 0.17380) | 20.3 (7.7, 35.9)   | 0.0001183 (0.0000447, 0.0002095) | 0.10649 (0.04104, 0.19121) |  |
| Papua    | Lower respiratory infections                             | 5   | 26.5            | (11.6, 46.0)  | 0.0001335 (0.0000584, 0.0002317) | 0.09583 (0.04184, 0.16348) | 19.6 (8.4, 34.2)   | 0.0001146 (0.0000488, 0.0001996) | 0.10329 (0.04407, 0.18042) |  |
| Papua    | Malaria                                                  | 5   | 2.6             | (0.4, 8.5)    | 0.0000133 (0.0000021, 0.0000427) | 0.0095 (0.00148, 0.03027)  | 1.9 (0.3, 6.7)     | 0.0000114 (0.0000019, 0.0000389) | 0.01024 (0.00168, 0.03534) |  |
| Papua    | Tuberculosis                                             | 5   | 20.6            | (10.1, 35.9)  | 0.000104 (0.0000512, 0.0001810)  | 0.07466 (0.03764, 0.12741) | 15.5 (7.4, 26.8)   | 0.0000904 (0.0000434, 0.0001566) | 0.08144 (0.03889, 0.13917) |  |
| Papua    | Other communicable diseases                              | 5   | 52.9            | (35.1, 71.7)  | 0.0002666 (0.0001769, 0.0003614) | 0.19137 (0.13005, 0.25435) | 40.6 (26.4, 55.2)  | 0.0002369 (0.0001539, 0.0003222) | 0.21336 (0.13933, 0.28972) |  |
| Papua    | Other malignant neoplasms                                | 5   | 7.5             | (3.8, 13.0)   | 0.0000381 (0.0000192, 0.0000653) | 0.02732 (0.01387, 0.04650) | 7.3 (3.8, 12.2)    | 0.0000427 (0.0000224, 0.0000710) | 0.03843 (0.02083, 0.06470) |  |
| Papua    | Cerebrovascular disease                                  | 5   | 1.1             | (0.4, 2.2)    | 0.0000055 (0.0000021, 0.0000112) | 0.00393 (0.00148, 0.00787) | 1.4 (0.6, 2.8)     | 0.0000082 (0.0000034, 0.0000163) | 0.00741 (0.00310, 0.01460) |  |
| Papua    | Ischemic heart disease                                   | 5   | 0.3             | (0.1, 0.8)    | 0.0000015 (0.0000004, 0.0000038) | 0.00106 (0.00031, 0.00270) | 0.4 (0.1, 1.0)     | 0.0000023 (0.0000007, 0.0000056) | 0.00206 (0.00062, 0.00498) |  |
| Papua    | Other cardiovascular and circulatory diseases            | 5   | 0.9             | (0.3, 2.2)    | 0.0000045 (0.0000014, 0.0000109) | 0.00324 (0.00100, 0.00775) | 1.0 (0.3, 2.3)     | 0.000006 (0.0000020, 0.0000133)  | 0.00542 (0.00180, 0.01218) |  |
| Papua    | Diabetes mellitus                                        | 5   | 0.7             | (0.2, 1.7)    | 0.0000034 (0.0000009, 0.0000084) | 0.00242 (0.00069, 0.00602) | 1.3 (0.4, 3.1)     | 0.0000077 (0.0000025, 0.0000182) | 0.00695 (0.00217, 0.01616) |  |
| Papua    | Chronic kidney disease                                   | 5   | 1.5             | (0.6, 3.1)    | 0.0000075 (0.0000028, 0.0000154) | 0.00538 (0.00211, 0.01115) | 1.6 (0.7, 3.1)     | 0.0000095 (0.0000040, 0.0000182) | 0.00856 (0.00364, 0.01627) |  |
| Papua    | Cirrhosis                                                | 5   | 4.2             | (1.7, 7.9)    | 0.000021 (0.0000085, 0.0000400)  | 0.01507 (0.00615, 0.02819) | 2.3 (1.0, 4.3)     | 0.0000136 (0.0000058, 0.0000251) | 0.01221 (0.00522, 0.02259) |  |
| Papua    | Chronic respiratory diseases                             | 5   | 4.2             | (1.6, 8.4)    | 0.0000211 (0.0000079, 0.0000424) | 0.01514 (0.00588, 0.03093) | 1.8 (0.6, 4.1)     | 0.0000103 (0.0000036, 0.0000237) | 0.0093 (0.00343, 0.02130)  |  |
| Papua    | Other non-communicable diseases                          | 5   | 15.7            | (10.1, 22.2)  | 0.0000793 (0.0000510, 0.0001121) | 0.05695 (0.03814, 0.07993) | 17.7 (11.9, 23.6)  | 0.0001035 (0.0000697, 0.0001377) | 0.09327 (0.06394, 0.12553) |  |
| Papua    | Drowning                                                 | 5   | 53.6            | (33.4, 75.2)  | 0.0002701 (0.0001684, 0.0003791) | 0.19377 (0.12384, 0.27002) | 22.8 (12.3, 35.0)  | 0.0001334 (0.0000718, 0.0002043) | 0.12017 (0.06456, 0.18384) |  |
| Papua    | Falls                                                    | 5   | 6.8             | (1.6, 17.8)   | 0.0000343 (0.0000083, 0.0000897) | 0.0246 (0.00598, 0.06330)  | 3.4 (0.8, 8.8)     | 0.0000196 (0.0000046, 0.0000512) | 0.01769 (0.00425, 0.04510) |  |
| Papua    | Interpersonal violence                                   | 5   | 2.0             | (0.7, 4.8)    | 0.0000099 (0.0000033, 0.0000243) | 0.00708 (0.00234, 0.01774) | 1.5 (0.5, 3.9)     | 0.0000088 (0.0000028, 0.0000225) | 0.00793 (0.00252, 0.01968) |  |
| Papua    | Transport injuries                                       | 5   | 26.9            | (14.1, 43.9)  | 0.0001358 (0.0000710, 0.0002215) | 0.09748 (0.05136, 0.15996) | 10.3 (4.6, 18.5)   | 0.0000601 (0.0000270, 0.0001079) | 0.05411 (0.02387, 0.09884) |  |
| Papua    | Other unintentional injuries                             | 5   | 4.9             | (1.3, 12.9)   | 0.0000245 (0.0000066, 0.0000652) | 0.01761 (0.00475, 0.04703) | 2.2 (0.6, 6.0)     | 0.0000129 (0.0000033, 0.0000350) | 0.01166 (0.00297, 0.03161) |  |
| Papua    | Diarrheal diseases                                       | 10  | 6.6             | (2.6, 13.4)   | 0.0000339 (0.0000134, 0.0000686) | 0.02809 (0.01147, 0.05715) | 7.1 (3.0, 13.8)    | 0.0000443 (0.0000188, 0.0000860) | 0.04528 (0.01915, 0.08691) |  |
| Papua    | HIV/AIDS                                                 | 10  | 19.6            | (9.2, 32.6)   | 0.0001005 (0.0000471, 0.0001672) | 0.08328 (0.03873, 0.13835) | 14.2 (6.5, 24.8)   | 0.0000884 (0.0000406, 0.0001545) | 0.09037 (0.04141, 0.15334) |  |
| Papua    | Lower respiratory infections                             | 10  | 13.0            | (5.4, 23.5)   | 0.0000666 (0.0000277, 0.0001207) | 0.05524 (0.02330, 0.09969) | 9.3 (3.7, 17.1)    | 0.000058 (0.0000232, 0.0001063)  | 0.05931 (0.02364, 0.10951) |  |
| Papua    | Malaria                                                  | 10  | 3.4             | (0.6, 10.0)   | 0.0000176 (0.0000033, 0.0000513) | 0.01459 (0.00271, 0.04199) | 2.6 (0.5, 7.8)     | 0.0000162 (0.0000032, 0.0000487) | 0.01652 (0.00332, 0.04831) |  |
| Papua    | Tuberculosis                                             | 10  | 26.7            | (16.2, 39.8)  | 0.0001372 (0.0000829, 0.0002040) | 0.11372 (0.06871, 0.16898) | 20.0 (11.5, 30.3)  | 0.0001244 (0.0000719, 0.0001887) | 0.12703 (0.07530, 0.18995) |  |
| Papua    | Maternal disorders                                       | 10  |                 |               |                                  |                            | 0.7 (0.1, 2.3)     | 0.0000044 (0.0000006, 0.0000146) | 0.00453 (0.00058, 0.01473) |  |
| Papua    | Other communicable diseases                              | 10  | 35.4            | (23.0, 49.6)  | 0.0001819 (0.0001179, 0.0002545) | 0.1508 (0.09809, 0.20973)  | 26.8 (17.4, 38.2)  | 0.0001669 (0.0001086, 0.0002380) | 0.17062 (0.11074, 0.23921) |  |
| Papua    | Other malignant neoplasms                                | 10  | 8.1             | (4.5, 13.4)   | 0.0000416 (0.0000230, 0.0000688) | 0.03452 (0.01914, 0.05598) | 8.1 (4.7, 12.8)    | 0.0000503 (0.0000291, 0.0000798) | 0.05135 (0.02975, 0.08106) |  |
| Papua    | Cerebrovascular disease                                  | 10  | 1.5             | (0.8, 2.9)    | 0.0000079 (0.0000039, 0.0000148) | 0.00659 (0.00321, 0.01233) | 2.0 (1.0, 3.4)     | 0.0000123 (0.0000062, 0.0000215) | 0.01256 (0.00637, 0.02126) |  |
| Papua    | Ischemic heart disease                                   | 10  | 0.6             | (0.2, 1.3)    | 0.0000029 (0.0000011, 0.0000065) | 0.00242 (0.00094, 0.00540) | 0.7 (0.3, 1.6)     | 0.0000047 (0.0000019, 0.0000100) | 0.00477 (0.00189, 0.01006) |  |
| Papua    | Other cardiovascular and circulatory diseases            | 10  | 1.1             | (0.4, 2.2)    | 0.0000055 (0.0000020, 0.0000115) | 0.00454 (0.00167, 0.00948) | 1.2 (0.5, 2.5)     | 0.0000076 (0.0000031, 0.0000154) | 0.00782 (0.00313, 0.01575) |  |
| Papua    | Diabetes mellitus                                        | 10  | 0.7             | (0.3, 1.5)    | 0.0000037 (0.0000014, 0.0000077) | 0.00311 (0.00117, 0.00644) | 1.5 (0.6, 2.8)     | 0.0000091 (0.0000039, 0.0000177) | 0.00929 (0.00398, 0.01833) |  |
| Papua    | Chronic kidney disease                                   | 10  | 1.5             | (0.7, 3.0)    | 0.0000078 (0.0000035, 0.0000153) | 0.00644 (0.00299, 0.01274) | 1.7 (0.9, 3.1)     | 0.0000105 (0.0000053, 0.0000190) | 0.01071 (0.00544, 0.01931) |  |
| Papua    | Cirrhosis                                                | 10  | 4.2             | (2.0, 7.3)    | 0.0000217 (0.0000102, 0.0000376) | 0.01802 (0.00857, 0.03067) | 2.3 (1.1, 3.9)     | 0.0000146 (0.0000068, 0.0000245) | 0.01496 (0.00714, 0.02494) |  |
| Papua    | Chronic respiratory diseases                             | 10  | 4.7             | (2.0, 8.9)    | 0.0000243 (0.0000104, 0.0000459) | 0.02012 (0.00872, 0.03780) | 2.1 (0.9, 4.3)     | 0.0000129 (0.0000053, 0.0000270) | 0.01313 (0.00541, 0.02689) |  |
| Papua    | Other non-communicable diseases                          | 10  | 15.3            | (10.6, 21.2)  | 0.0000786 (0.0000544, 0.0001087) | 0.06517 (0.04514, 0.08953) | 17.0 (12.0, 22.5)  | 0.0001061 (0.0000748, 0.0001404) | 0.10845 (0.07801, 0.14287) |  |
| Papua    | Drowning                                                 | 10  | 37.5            | (21.2, 58.2)  | 0.0001926 (0.0001090, 0.0002986) | 0.15956 (0.09067, 0.24184) | 15.4 (7.4, 26.1)   | 0.0000957 (0.0000461, 0.0001628) | 0.09784 (0.04794, 0.16609) |  |
| Papua    | Falls                                                    | 10  | 7.0             | (1.8, 17.9)   | 0.0000359 (0.0000095, 0.0000921) | 0.02973 (0.00785, 0.07339) | 3.4 (0.9, 8.8)     | 0.0000212 (0.0000055, 0.0000550) | 0.02162 (0.00561, 0.05644) |  |
| Papua    | Interpersonal violence                                   | 10  | 2.3             | (0.9, 5.2)    | 0.0000117 (0.0000045, 0.0000268) | 0.0097 (0.00374, 0.02196)  | 1.8 (0.7, 3.9)     | 0.0000111 (0.0000042, 0.0000244) | 0.01135 (0.00437, 0.02525) |  |
| Papua    | Self-harm                                                | 10  | 1.8             | (0.6, 4.2)    | 0.0000091 (0.0000029, 0.0000214) | 0.00752 (0.00242, 0.01757) | 1.2 (0.4, 2.7)     | 0.0000073 (0.0000023, 0.0000171) | 0.00748 (0.00235, 0.01744) |  |
| Papua    | Transport injuries                                       | 10  | 39.5            | (24.7, 57.1)  | 0.0002029 (0.0001267, 0.0002928) | 0.16816 (0.10597, 0.23918) | 16.1 (8.6, 25.9)   | 0.0001001 (0.0000537, 0.0001614) | 0.10225 (0.05496, 0.15968) |  |
| Papua    | Other unintentional injuries                             | 10  | 4.4             | (1.2, 11.7)   | 0.0000225 (0.0000060, 0.0000599) | 0.01867 (0.00483, 0.04863) | 2.0 (0.5, 5.3)     | 0.0000125 (0.0000031, 0.0000331) | 0.01274 (0.00323, 0.03461) |  |

# Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males           |               |               |                        |             |                    | Females         |              |               |                        |             |                    |
|----------|-----------------------------------------------|-----|-----------------|---------------|---------------|------------------------|-------------|--------------------|-----------------|--------------|---------------|------------------------|-------------|--------------------|
|          |                                               |     | Deaths (95% UI) |               | CSMR (95% UI) |                        | CF (95% UI) |                    | Deaths (95% UI) |              | CSMR (95% UI) |                        | CF (95% UI) |                    |
| Papua    | Diarrheal diseases                            | 15  | 3.2             | (1.1, 6.7)    | 0.00002       | (0.0000069, 0.0000420) | 0.01121     | (0.00393, 0.02324) | 3.2             | (1.1, 6.7)   | 0.0000236     | (0.0000082, 0.0000490) | 0.01592     | (0.00561, 0.03372) |
| Papua    | HIV/AIDS                                      | 15  | 15.9            | (6.5, 28.7)   | 0.0001002     | (0.0000408, 0.0001809) | 0.05604     | (0.02281, 0.10173) | 9.9             | (4.0, 18.9)  | 0.0000728     | (0.0000297, 0.0001386) | 0.04905     | (0.01979, 0.09269) |
| Papua    | Lower respiratory infections                  | 15  | 6.3             | (2.3, 12.3)   | 0.0000397     | (0.0000147, 0.0000775) | 0.02224     | (0.00827, 0.04303) | 4.0             | (1.3, 8.3)   | 0.0000292     | (0.0000098, 0.0000612) | 0.01968     | (0.00697, 0.04037) |
| Papua    | Malaria                                       | 15  | 5.6             | (1.2, 13.9)   | 0.0000354     | (0.0000077, 0.0000875) | 0.01981     | (0.00447, 0.04747) | 3.5             | (0.8, 9.5)   | 0.0000256     | (0.0000056, 0.0000697) | 0.01721     | (0.00397, 0.04578) |
| Papua    | Tuberculosis                                  | 15  | 36.4            | (23.7, 53.2)  | 0.0002294     | (0.0001496, 0.0003351) | 0.12845     | (0.08375, 0.18068) | 20.2            | (12.0, 31.0) | 0.0001482     | (0.0000883, 0.0002278) | 0.09988     | (0.06066, 0.15062) |
| Papua    | Maternal disorders                            | 15  |                 |               |               |                        |             |                    | 15.3            | (5.6, 29.1)  | 0.0001124     | (0.0000409, 0.0002140) | 0.07589     | (0.02847, 0.14562) |
| Papua    | Other communicable diseases                   | 15  | 22.4            | (11.6, 34.7)  | 0.0001408     | (0.0000729, 0.0002185) | 0.07881     | (0.04181, 0.11744) | 16.3            | (8.8, 26.0)  | 0.0001197     | (0.0000650, 0.0001913) | 0.08075     | (0.04373, 0.12332) |
| Papua    | Tracheal, bronchus, and lung cancer           | 15  | 0.4             | (0.1, 1.5)    | 0.0000028     | (0.0000004, 0.0000093) | 0.00154     | (0.00022, 0.00532) | 0.2             | (0.0, 0.6)   | 0.0000012     | (0.0000002, 0.0000043) | 0.00082     | (0.00012, 0.00299) |
| Papua    | Breast cancer                                 | 15  | -               | (0.0, 0.1)    | 0.0000002     | (0.0000000, 0.0000009) | 0.00011     | (0.00001, 0.00050) | 0.7             | (0.1, 2.0)   | 0.000005      | (0.0000008, 0.0000145) | 0.00338     | (0.00057, 0.00979) |
| Papua    | Cervical cancer                               | 15  |                 |               |               |                        |             |                    | 1.9             | (0.3, 5.5)   | 0.0000137     | (0.0000020, 0.0000405) | 0.00922     | (0.00133, 0.02733) |
| Papua    | Other malignant neoplasms                     | 15  | 7.4             | (4.0, 12.2)   | 0.0000466     | (0.0000251, 0.0000769) | 0.02607     | (0.01469, 0.04175) | 6.9             | (3.2, 11.7)  | 0.0000507     | (0.0000238, 0.0000863) | 0.03417     | (0.01606, 0.05607) |
| Papua    | Cerebrovascular disease                       | 15  | 2.8             | (1.4, 4.9)    | 0.0000175     | (0.0000085, 0.0000311) | 0.00982     | (0.00489, 0.01713) | 3.3             | (1.7, 5.8)   | 0.0000243     | (0.0000125, 0.0000424) | 0.01636     | (0.00848, 0.02790) |
| Papua    | Ischemic heart disease                        | 15  | 1.7             | (0.7, 3.3)    | 0.0000105     | (0.0000042, 0.0000211) | 0.00587     | (0.00242, 0.01163) | 1.7             | (0.7, 3.3)   | 0.0000122     | (0.0000052, 0.0000245) | 0.00824     | (0.00350, 0.01659) |
| Papua    | Other cardiovascular and circulatory diseases | 15  | 1.5             | (0.6, 3.1)    | 0.0000093     | (0.0000036, 0.0000193) | 0.00523     | (0.00209, 0.01076) | 1.7             | (0.7, 3.4)   | 0.0000122     | (0.0000049, 0.0000250) | 0.0082      | (0.00328, 0.01667) |
| Papua    | Diabetes mellitus                             | 15  | 1.0             | (0.4, 2.0)    | 0.0000006     | (0.0000023, 0.0000124) | 0.00337     | (0.00136, 0.00683) | 1.9             | (0.8, 3.7)   | 0.000014      | (0.0000058, 0.0000274) | 0.00945     | (0.00399, 0.01856) |
| Papua    | Chronic kidney disease                        | 15  | 1.7             | (0.8, 3.3)    | 0.000011      | (0.0000052, 0.0000208) | 0.00614     | (0.00294, 0.01133) | 1.9             | (0.9, 3.5)   | 0.0000138     | (0.0000070, 0.0000254) | 0.00929     | (0.00476, 0.01668) |
| Papua    | Cirrhosis                                     | 15  | 4.7             | (2.2, 8.1)    | 0.0000299     | (0.0000137, 0.0000508) | 0.01672     | (0.00812, 0.02829) | 2.8             | (1.4, 5.0)   | 0.0000209     | (0.0000100, 0.0000366) | 0.0141      | (0.00656, 0.02488) |
| Papua    | Chronic respiratory diseases                  | 15  | 3.3             | (1.3, 6.5)    | 0.0000208     | (0.0000083, 0.0000412) | 0.0116      | (0.00476, 0.02222) | 1.6             | (0.6, 3.4)   | 0.0000121     | (0.0000046, 0.0000250) | 0.00812     | (0.00303, 0.01626) |
| Papua    | Other non-communicable diseases               | 15  | 17.1            | (11.5, 24.3)  | 0.0001078     | (0.0000723, 0.0001531) | 0.06034     | (0.04173, 0.08054) | 18.0            | (12.2, 24.9) | 0.0001326     | (0.0000897, 0.0001828) | 0.08933     | (0.06236, 0.11895) |
| Papua    | Drowning                                      | 15  | 28.6            | (13.3, 52.3)  | 0.0001802     | (0.0000838, 0.0003292) | 0.10088     | (0.04685, 0.17919) | 15.2            | (6.4, 29.4)  | 0.0001117     | (0.0000470, 0.0002160) | 0.0755      | (0.03220, 0.14537) |
| Papua    | Falls                                         | 15  | 7.6             | (1.9, 18.2)   | 0.0000477     | (0.0000121, 0.0001145) | 0.02675     | (0.00706, 0.06360) | 4.7             | (1.2, 12.2)  | 0.0000347     | (0.0000089, 0.0000893) | 0.02343     | (0.00595, 0.06011) |
| Papua    | Interpersonal violence                        | 15  | 4.3             | (1.9, 9.4)    | 0.0000271     | (0.0000122, 0.0000592) | 0.01516     | (0.00688, 0.03240) | 3.4             | (1.3, 8.1)   | 0.0000252     | (0.0000099, 0.0000593) | 0.01699     | (0.00682, 0.03932) |
| Papua    | Self-harm                                     | 15  | 2.7             | (1.1, 5.7)    | 0.000017      | (0.0000068, 0.0000357) | 0.00947     | (0.00389, 0.01888) | 1.7             | (0.7, 3.5)   | 0.0000127     | (0.0000050, 0.0000259) | 0.00857     | (0.00340, 0.01785) |
| Papua    | Transport injuries                            | 15  | 102.9           | (75.9, 135.4) | 0.0006482     | (0.0004784, 0.0008531) | 0.36242     | (0.28291, 0.44053) | 58.7            | (41.9, 76.9) | 0.0004313     | (0.0003083, 0.0005654) | 0.29063     | (0.21390, 0.36896) |
| Papua    | Other unintentional injuries                  | 15  | 6.2             | (1.6, 16.1)   | 0.0000393     | (0.0000103, 0.0001011) | 0.02197     | (0.00590, 0.05542) | 3.2             | (0.8, 8.5)   | 0.0000235     | (0.0000058, 0.0000627) | 0.01582     | (0.00392, 0.04246) |
| Papua    | Diarrheal diseases                            | 20  | 2.6             | (0.9, 5.6)    | 0.0000189     | (0.0000062, 0.0000412) | 0.00787     | (0.00276, 0.01665) | 3.5             | (1.3, 7.2)   | 0.0000252     | (0.0000093, 0.0000513) | 0.01296     | (0.00481, 0.02627) |
| Papua    | HIV/AIDS                                      | 20  | 36.9            | (20.4, 57.3)  | 0.0002703     | (0.0001493, 0.0004198) | 0.11236     | (0.06589, 0.16578) | 29.5            | (17.0, 45.5) | 0.0002099     | (0.0001211, 0.0003235) | 0.10767     | (0.06345, 0.15854) |
| Papua    | Lower respiratory infections                  | 20  | 4.0             | (1.4, 8.0)    | 0.0000295     | (0.0000103, 0.0000584) | 0.01227     | (0.00448, 0.02445) | 3.3             | (1.1, 7.2)   | 0.0000238     | (0.0000080, 0.0000509) | 0.0122      | (0.00429, 0.02578) |
| Papua    | Malaria                                       | 20  | 7.2             | (1.7, 17.2)   | 0.0000531     | (0.0000124, 0.0001259) | 0.02205     | (0.00522, 0.05050) | 5.2             | (1.1, 13.2)  | 0.0000367     | (0.0000081, 0.0000936) | 0.01881     | (0.00430, 0.04857) |
| Papua    | Tuberculosis                                  | 20  | 58.8            | (39.8, 84.1)  | 0.0004312     | (0.0002921, 0.0006168) | 0.17915     | (0.12648, 0.23536) | 35.3            | (21.6, 51.4) | 0.000251      | (0.0001537, 0.0003659) | 0.12862     | (0.08256, 0.18201) |
| Papua    | Maternal disorders                            | 20  |                 |               |               |                        |             |                    | 20.7            | (7.3, 38.5)  | 0.0001474     | (0.0000519, 0.0002741) | 0.07569     | (0.02658, 0.14111) |
| Papua    | Other communicable diseases                   | 20  | 21.9            | (10.6, 36.0)  | 0.0001608     | (0.0000775, 0.0002636) | 0.06678     | (0.03533, 0.10372) | 22.9            | (12.7, 36.0) | 0.0001626     | (0.0000904, 0.0002563) | 0.08343     | (0.04663, 0.12773) |
| Papua    | Tracheal, bronchus, and lung cancer           | 20  | 0.3             | (0.1, 1.0)    | 0.0000023     | (0.0000004, 0.0000077) | 0.00095     | (0.00017, 0.00301) | 0.3             | (0.0, 0.8)   | 0.0000019     | (0.0000003, 0.0000055) | 0.00097     | (0.00018, 0.00288) |
| Papua    | Breast cancer                                 | 20  | 0.1             | (0.0, 0.2)    | 0.0000004     | (0.0000001, 0.0000014) | 0.00017     | (0.00003, 0.00057) | 2.7             | (0.8, 6.0)   | 0.0000196     | (0.0000055, 0.0000429) | 0.01004     | (0.00278, 0.02214) |
| Papua    | Cervical cancer                               | 20  |                 |               |               |                        |             |                    | 3.3             | (0.6, 9.6)   | 0.0000233     | (0.0000045, 0.0000686) | 0.01194     | (0.00239, 0.03507) |
| Papua    | Other malignant neoplasms                     | 20  | 8.8             | (4.6, 14.7)   | 0.0000646     | (0.0000340, 0.0001077) | 0.02681     | (0.01480, 0.04217) | 11.0            | (4.9, 18.6)  | 0.0000783     | (0.0000348, 0.0001320) | 0.04014     | (0.01843, 0.06511) |
| Papua    | Cerebrovascular disease                       | 20  | 6.3             | (3.4, 10.8)   | 0.0000465     | (0.0000250, 0.0000790) | 0.01931     | (0.01109, 0.03006) | 7.7             | (4.4, 12.2)  | 0.0000549     | (0.0000312, 0.0000867) | 0.02815     | (0.01667, 0.04373) |
| Papua    | Ischemic heart disease                        | 20  | 4.0             | (1.8, 7.4)    | 0.0000295     | (0.0000134, 0.0000545) | 0.01228     | (0.00596, 0.02291) | 3.2             | (1.4, 6.0)   | 0.0000228     | (0.0000102, 0.0000425) | 0.0117      | (0.00552, 0.02203) |
| Papua    | Other cardiovascular and circulatory diseases | 20  | 3.0             | (1.2, 5.9)    | 0.0000218     | (0.0000091, 0.0000433) | 0.00905     | (0.00398, 0.01743) | 3.6             | (1.6, 6.7)   | 0.0000253     | (0.0000113, 0.0000475) | 0.013       | (0.00598, 0.02438) |
| Papua    | Diabetes mellitus                             | 20  | 1.1             | (0.5, 2.2)    | 0.0000084     | (0.0000035, 0.0000161) | 0.00348     | (0.00151, 0.00655) | 2.5             | (1.1, 4.6)   | 0.0000179     | (0.0000076, 0.0000330) | 0.00916     | (0.00401, 0.01665) |
| Papua    | Chronic kidney disease                        | 20  | 3.5             | (1.8, 6.4)    | 0.000026      | (0.0000128, 0.0000470) | 0.01081     | (0.00544, 0.01941) | 4.0             | (2.1, 7.0)   | 0.0000286     | (0.0000152, 0.0000500) | 0.01466     | (0.00800, 0.02517) |
| Papua    | Cirrhosis                                     | 20  | 8.2             | (4.0, 13.6)   | 0.0000602     | (0.0000292, 0.0000999) | 0.02502     | (0.01335, 0.03954) | 6.0             | (3.0, 10.1)  | 0.0000426     | (0.0000217, 0.0000716) | 0.02186     | (0.01141, 0.03536) |
| Papua    | Chronic respiratory diseases                  | 20  | 6.7             | (3.2, 12.1)   | 0.0000494     | (0.0000236, 0.0000887) | 0.02046     | (0.01027, 0.03547) | 4.6             | (2.2, 8.7)   | 0.0000326     | (0.0000154, 0.0000621) | 0.01673     | (0.00782, 0.03127) |
| Papua    | Other non-communicable diseases               | 20  | 20.5            | (13.3, 30.1)  | 0.0001502     | (0.0000978, 0.0002209) | 0.0624      | (0.04373, 0.08299) | 22.8            | (14.9, 31.9) | 0.0001623     | (0.0001061, 0.0002269) | 0.08315     | (0.05855, 0.10974) |
| Papua    | Drowning                                      | 20  | 17.4            | (7.1, 35.5)   | 0.0001275     | (0.0000519, 0.0002601) | 0.05305     | (0.02307, 0.10440) | 12.2            | (4.7, 24.8)  | 0.0000866     | (0.0000336, 0.0001762) | 0.04457     | (0.01732, 0.09062) |
| Papua    | Falls                                         | 20  | 6.8             | (1.8, 17.6)   | 0.0000495     | (0.0000129, 0.0001288) | 0.02061     | (0.00551, 0.05255) | 5.2             | (1.4, 13.7)  | 0             |                        |             |                    |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                 |                                     |                                | Females              |                                     |                               |
|----------|-----------------------------------------------|-----|-----------------------|-------------------------------------|--------------------------------|----------------------|-------------------------------------|-------------------------------|
|          |                                               |     | Deaths (95% UI)       | CSMR (95% UI)                       | CF (95% UI)                    | Deaths (95% UI)      | CSMR (95% UI)                       | CF (95% UI)                   |
| Papua    | Ischemic heart disease                        | 25  | 9.0<br>(4.3, 15.4)    | 0.0000638<br>(0.0000307, 0.0001096) | 0.022<br>(0.01110, 0.03802)    | 6.4<br>(2.9, 11.7)   | 0.000042<br>(0.0000190, 0.0000769)  | 0.0175<br>(0.00861, 0.03084)  |
| Papua    | Other cardiovascular and circulatory diseases | 25  | 4.7<br>(2.0, 8.7)     | 0.0000335<br>(0.0000142, 0.0000617) | 0.01152<br>(0.00520, 0.02107)  | 5.6<br>(2.5, 10.4)   | 0.0000368<br>(0.0000162, 0.0000685) | 0.01535<br>(0.00702, 0.02748) |
| Papua    | Diabetes mellitus                             | 25  | 2.2<br>(1.0, 4.0)     | 0.0000156<br>(0.0000071, 0.0000284) | 0.00538<br>(0.00252, 0.00967)  | 4.8<br>(2.1, 8.3)    | 0.0000313<br>(0.0000141, 0.0000546) | 0.01305<br>(0.00644, 0.02266) |
| Papua    | Chronic kidney disease                        | 25  | 4.5<br>(2.3, 8.1)     | 0.000032<br>(0.0000164, 0.0000577)  | 0.01102<br>(0.00575, 0.01935)  | 5.0<br>(2.6, 9.0)    | 0.0000327<br>(0.0000173, 0.0000590) | 0.01359<br>(0.00746, 0.02314) |
| Papua    | Cirrhosis                                     | 25  | 13.5<br>(6.9, 21.3)   | 0.0000957<br>(0.0000491, 0.0001511) | 0.03295<br>(0.01821, 0.05078)  | 10.1<br>(5.4, 16.5)  | 0.0000666<br>(0.0000352, 0.0001083) | 0.02776<br>(0.01519, 0.04321) |
| Papua    | Chronic respiratory diseases                  | 25  | 8.5<br>(4.0, 15.3)    | 0.0000601<br>(0.0000281, 0.0001084) | 0.02067<br>(0.01011, 0.03558)  | 6.0<br>(2.7, 11.3)   | 0.0000396<br>(0.0000176, 0.0000741) | 0.01649<br>(0.00752, 0.02983) |
| Papua    | Other non-communicable diseases               | 25  | 28.8<br>(18.8, 41.7)  | 0.0002045<br>(0.0001338, 0.0002960) | 0.0704<br>(0.04841, 0.09408)   | 31.7<br>(20.1, 45.5) | 0.0002079<br>(0.0001323, 0.0002989) | 0.08654<br>(0.05971, 0.11383) |
| Papua    | Drowning                                      | 25  | 15.2<br>(5.3, 33.4)   | 0.0001082<br>(0.0000377, 0.0002373) | 0.03726<br>(0.01329, 0.07762)  | 11.8<br>(3.9, 26.5)  | 0.0000774<br>(0.0000258, 0.0001742) | 0.0324<br>(0.01129, 0.06981)  |
| Papua    | Falls                                         | 25  | 11.9<br>(3.3, 28.8)   | 0.0000842<br>(0.0000232, 0.0002048) | 0.02902<br>(0.00812, 0.07046)  | 9.6<br>(2.7, 23.3)   | 0.0000633<br>(0.0000177, 0.0001533) | 0.02646<br>(0.00732, 0.06124) |
| Papua    | Interpersonal violence                        | 25  | 7.5<br>(3.5, 15.2)    | 0.0000531<br>(0.0000246, 0.0001082) | 0.01829<br>(0.00883, 0.03553)  | 5.2<br>(1.9, 12.7)   | 0.0000342<br>(0.0000126, 0.0000836) | 0.01426<br>(0.00516, 0.03392) |
| Papua    | Self-harm                                     | 25  | 3.9<br>(1.5, 8.0)     | 0.0000279<br>(0.0000110, 0.0000566) | 0.0096<br>(0.00398, 0.01926)   | 2.0<br>(0.7, 4.4)    | 0.0000131<br>(0.0000044, 0.0000290) | 0.00548<br>(0.00200, 0.01203) |
| Papua    | Transport injuries                            | 25  | 78.6<br>(50.8, 114.6) | 0.0005583<br>(0.0003608, 0.0008135) | 0.19194<br>(0.13197, 0.25755)  | 43.2<br>(25.8, 69.0) | 0.0002836<br>(0.0001693, 0.0004534) | 0.11808<br>(0.07365, 0.17386) |
| Papua    | Other unintentional injuries                  | 25  | 10.6<br>(2.8, 27.3)   | 0.0000754<br>(0.0000201, 0.0001940) | 0.02593<br>(0.00690, 0.06756)  | 5.7<br>(1.4, 15.7)   | 0.0000372<br>(0.0000090, 0.0001031) | 0.01548<br>(0.00393, 0.04209) |
| Papua    | Diarrheal diseases                            | 30  | 5.4<br>(1.9, 10.7)    | 0.0000366<br>(0.0000128, 0.0000728) | 0.01099<br>(0.00400, 0.02179)  | 7.2<br>(2.7, 14.2)   | 0.00005<br>(0.0000187, 0.0000988)   | 0.0168<br>(0.00622, 0.03264)  |
| Papua    | HIV/AIDS                                      | 30  | 72.9<br>(46.4, 103.8) | 0.0004985<br>(0.0003169, 0.0007097) | 0.14958<br>(0.10178, 0.20137)  | 53.8<br>(30.1, 82.9) | 0.0003758<br>(0.0002102, 0.0005790) | 0.126<br>(0.07638, 0.17929)   |
| Papua    | Lower respiratory infections                  | 30  | 4.4<br>(1.6, 9.1)     | 0.0000304<br>(0.0000113, 0.0000622) | 0.00912<br>(0.00340, 0.01796)  | 3.7<br>(1.2, 8.0)    | 0.0000255<br>(0.0000085, 0.0000560) | 0.00856<br>(0.00293, 0.01819) |
| Papua    | Malaria                                       | 30  | 7.8<br>(1.8, 18.6)    | 0.0000532<br>(0.0000123, 0.0001269) | 0.01598<br>(0.00374, 0.03686)  | 4.8<br>(1.0, 12.8)   | 0.0000336<br>(0.0000071, 0.0000890) | 0.01125<br>(0.00250, 0.02966) |
| Papua    | Tuberculosis                                  | 30  | 81.3<br>(54.4, 116.7) | 0.0005559<br>(0.0003721, 0.0007979) | 0.16687<br>(0.11939, 0.22180)  | 42.3<br>(24.5, 67.1) | 0.0002957<br>(0.0001712, 0.0004687) | 0.09906<br>(0.06094, 0.14816) |
| Papua    | Maternal disorders                            | 30  |                       |                                     |                                | 43.4<br>(15.9, 81.2) | 0.0003032<br>(0.0001110, 0.0005669) | 0.10183<br>(0.04019, 0.17845) |
| Papua    | Other communicable diseases                   | 30  | 22.1<br>(10.4, 37.5)  | 0.0001513<br>(0.0000708, 0.0002561) | 0.04536<br>(0.02295, 0.07277)  | 23.3<br>(12.0, 39.0) | 0.0001628<br>(0.0000841, 0.0002720) | 0.05465<br>(0.02971, 0.08700) |
| Papua    | Tracheal, bronchus, and lung cancer           | 30  | 1.1<br>(0.2, 3.3)     | 0.0000074<br>(0.0000014, 0.0000228) | 0.00222<br>(0.00044, 0.00670)  | 0.5<br>(0.1, 1.6)    | 0.0000036<br>(0.0000007, 0.0000114) | 0.00121<br>(0.00024, 0.00371) |
| Papua    | Breast cancer                                 | 30  | 0.1<br>(0.0, 0.4)     | 0.0000009<br>(0.0000001, 0.0000028) | 0.00026<br>(0.00004, 0.00091)  | 12.8<br>(4.5, 24.8)  | 0.0000894<br>(0.0000315, 0.0001731) | 0.03<br>(0.01089, 0.05412)    |
| Papua    | Cervical cancer                               | 30  |                       |                                     |                                | 6.3<br>(1.1, 19.3)   | 0.0000443<br>(0.0000077, 0.0001349) | 0.01486<br>(0.00243, 0.04510) |
| Papua    | Other malignant neoplasms                     | 30  | 24.1<br>(13.3, 40.0)  | 0.000165<br>(0.0000911, 0.0002736)  | 0.04944<br>(0.02941, 0.07650)  | 22.3<br>(10.4, 38.2) | 0.0001556<br>(0.0000724, 0.0002669) | 0.05209<br>(0.02485, 0.08451) |
| Papua    | Cerebrovascular disease                       | 30  | 27.2<br>(16.4, 40.9)  | 0.0001857<br>(0.0001123, 0.0002796) | 0.0557<br>(0.03566, 0.07743)   | 30.8<br>(18.7, 46.7) | 0.0002148<br>(0.0001305, 0.0003262) | 0.07196<br>(0.04712, 0.09969) |
| Papua    | Ischemic heart disease                        | 30  | 15.4<br>(7.6, 26.1)   | 0.0001053<br>(0.0000520, 0.0001784) | 0.03164<br>(0.01667, 0.05301)  | 11.0<br>(5.3, 19.6)  | 0.0000765<br>(0.0000368, 0.0001372) | 0.02563<br>(0.01272, 0.04450) |
| Papua    | Other cardiovascular and circulatory diseases | 30  | 7.4<br>(3.2, 13.5)    | 0.0000505<br>(0.0000221, 0.0000921) | 0.01514<br>(0.00699, 0.02747)  | 8.0<br>(3.6, 14.8)   | 0.0000559<br>(0.0000250, 0.0001030) | 0.01877<br>(0.00871, 0.03336) |
| Papua    | Diabetes mellitus                             | 30  | 4.5<br>(2.0, 8.1)     | 0.0000307<br>(0.0000140, 0.0000551) | 0.00923<br>(0.00433, 0.01602)  | 8.9<br>(4.1, 15.3)   | 0.0000618<br>(0.0000289, 0.0001069) | 0.02072<br>(0.01007, 0.03492) |
| Papua    | Chronic kidney disease                        | 30  | 6.0<br>(3.0, 10.7)    | 0.0000411<br>(0.0000206, 0.0000734) | 0.01235<br>(0.00639, 0.02145)  | 6.0<br>(3.2, 10.7)   | 0.0000419<br>(0.0000221, 0.0000744) | 0.01402<br>(0.00786, 0.02363) |
| Papua    | Cirrhosis                                     | 30  | 22.0<br>(11.5, 34.3)  | 0.0001501<br>(0.0000789, 0.0002344) | 0.04504<br>(0.02528, 0.06629)  | 15.5<br>(8.4, 25.0)  | 0.0001081<br>(0.0000584, 0.0001747) | 0.03627<br>(0.01997, 0.05632) |
| Papua    | Chronic respiratory diseases                  | 30  | 11.8<br>(5.3, 21.4)   | 0.0000804<br>(0.0000362, 0.0001460) | 0.02409<br>(0.01130, 0.04253)  | 7.1<br>(3.1, 13.3)   | 0.0000496<br>(0.0000217, 0.0000932) | 0.01663<br>(0.00732, 0.03061) |
| Papua    | Other non-communicable diseases               | 30  | 38.0<br>(24.3, 55.7)  | 0.0002597<br>(0.0001660, 0.0003811) | 0.07794<br>(0.05310, 0.10672)  | 39.1<br>(24.3, 57.1) | 0.0002729<br>(0.0001698, 0.0003988) | 0.0914<br>(0.06220, 0.12387)  |
| Papua    | Drowning                                      | 30  | 20.1<br>(7.6, 42.9)   | 0.0001371<br>(0.0000522, 0.0002935) | 0.04112<br>(0.01584, 0.08343)  | 15.5<br>(5.2, 32.5)  | 0.0001848<br>(0.0000361, 0.0002270) | 0.03647<br>(0.01237, 0.07584) |
| Papua    | Falls                                         | 30  | 16.3<br>(4.2, 39.1)   | 0.0001114<br>(0.0000289, 0.0002673) | 0.03344<br>(0.00943, 0.07711)  | 12.9<br>(3.9, 29.8)  | 0.0000903<br>(0.0000272, 0.0002079) | 0.03032<br>(0.00893, 0.06911) |
| Papua    | Interpersonal violence                        | 30  | 6.6<br>(2.9, 13.5)    | 0.0000448<br>(0.0000196, 0.0000924) | 0.01343<br>(0.00618, 0.02728)  | 4.2<br>(1.4, 11.0)   | 0.0000291<br>(0.0000096, 0.0000768) | 0.00977<br>(0.00325, 0.02528) |
| Papua    | Self-harm                                     | 30  | 3.3<br>(1.3, 7.0)     | 0.0000228<br>(0.0000086, 0.0000481) | 0.00684<br>(0.000275, 0.01406) | 1.5<br>(0.5, 3.6)    | 0.0000106<br>(0.0000033, 0.0000250) | 0.00357<br>(0.00117, 0.00798) |
| Papua    | Transport injuries                            | 30  | 78.8<br>(49.9, 118.7) | 0.000539<br>(0.0003412, 0.0008118)  | 0.16149<br>(0.10808, 0.22266)  | 40.7<br>(22.8, 69.9) | 0.0002845<br>(0.0001595, 0.0004883) | 0.09521<br>(0.05608, 0.14671) |
| Papua    | Other unintentional injuries                  | 30  | 11.1<br>(2.8, 29.6)   | 0.0000759<br>(0.0000190, 0.0002022) | 0.02273<br>(0.00588, 0.05781)  | 5.6<br>(1.3, 15.3)   | 0.0000388<br>(0.0000091, 0.0001067) | 0.01297<br>(0.00308, 0.03491) |
| Papua    | Diarrheal diseases                            | 35  | 4.9<br>(1.7, 9.7)     | 0.0000374<br>(0.0000133, 0.0000757) | 0.00859<br>(0.00325, 0.01712)  | 7.2<br>(2.7, 14.8)   | 0.0000587<br>(0.0000220, 0.0001198) | 0.01346<br>(0.00523, 0.02692) |
| Papua    | HIV/AIDS                                      | 35  | 72.1<br>(43.9, 107.7) | 0.0005501<br>(0.0003347, 0.0008213) | 0.12652<br>(0.08295, 0.17862)  | 58.0<br>(31.4, 93.2) | 0.0004709<br>(0.0002546, 0.0007567) | 0.10771<br>(0.06239, 0.15926) |
| Papua    | Lower respiratory infections                  | 35  | 5.2<br>(2.0, 11.0)    | 0.0000398<br>(0.0000150, 0.0000837) | 0.00919<br>(0.00351, 0.01851)  | 4.8<br>(1.6, 10.5)   | 0.0000389<br>(0.0000126, 0.0000854) | 0.00891<br>(0.00302, 0.01884) |
| Papua    | Malaria                                       | 35  | 6.9<br>(1.6, 16.7)    | 0.000053<br>(0.0000121, 0.0001272)  | 0.01221<br>(0.00283, 0.02978)  | 4.6<br>(0.9, 13.0)   | 0.0000372<br>(0.0000077, 0.0001052) | 0.00849<br>(0.00190, 0.02376) |
| Papua    | Tuberculosis                                  | 35  | 94.0<br>(64.5, 132.1) | 0.0007163<br>(0.0004921, 0.0010071) | 0.16502<br>(0.11854, 0.22146)  | 52.2<br>(28.1, 82.2) | 0.000424<br>(0.0002283, 0.0006672)  | 0.09692<br>(0.05704, 0.14573) |
| Papua    | Maternal disorders                            | 35  |                       |                                     |                                | 47.9<br>(17.8, 90.1) | 0.0003891<br>(0.0001442, 0.0007312) | 0.08919<br>(0.03239, 0.15962) |
| Papua    | Other communicable diseases                   | 35  | 20.7<br>(10.0, 35.3)  | 0.000158<br>(0.0000759, 0.0002689)  | 0.03633<br>(0.01851, 0.05916)  | 24.4<br>(12.8, 41.9) | 0.0001979<br>(0.0001036, 0.0003402) | 0.04532<br>(0.02423, 0.07342) |
| Papua    | Tracheal, bronchus, and lung cancer           | 35  | 0.9<br>(0.2, 3.0)     | 0.0000071<br>(0.0000012, 0.0000225) | 0.00164<br>(0.00030, 0.00485)  | 0.8<br>(0.1, 2.4)    | 0.0000661<br>(0.0000011, 0.0000198) | 0.0014<br>(0.00027, 0.00427)  |
| Papua    | Breast cancer                                 | 35  | 0.2<br>(0.0, 0.7)     | 0.0000017<br>(0.0000003, 0.0000057) | 0.0004<br>(0.00007, 0.00135)   | 20.3<br>(7.3, 37.4)  | 0.0001644<br>(0.0000596, 0.0003038) | 0.03763<br>(0.01389, 0.06749) |
| Papua    | Cervical cancer                               | 35  |                       |                                     |                                | 11.2<br>(2.0, 32.8)  | 0.0000905<br>(0.0000164, 0.0002664) | 0.02073<br>(0.00363, 0.05951) |
| Papua    | Other malignant neoplasms                     | 35  | 33.8<br>(18.7, 53.8)  | 0.0002576<br>(0.0001423, 0.0004105) | 0.05922<br>(0.03598, 0.09036)  | 27.3<br>(11.3, 49.2) | 0.0002215<br>(0.0000916, 0.0003995) | 0.05055<br>(0.02185, 0.08497) |
| Papua    | Cerebrovascular disease                       | 35  | 50.2<br>(32.1, 73.7)  | 0.0003831<br>(0.0002451, 0.0005619) | 0.08811<br>(0.06016, 0.11697)  | 58.3<br>(37.1, 86.5) | 0.000473<br>(0.0003015, 0.0007023)  | 0.10814<br>(0.07558, 0.14299) |
| Papua    | Ischemic heart disease                        | 35  | 26.5<br>(13.8, 43.9)  | 0.0002021<br>(0.0001053, 0.0003350) | 0.04656<br>(0.02487, 0.07526)  | 19.3<br>(9.3, 34.4)  | 0.0001566<br>(0.0000753, 0.0002789) | 0.03578<br>(0.01804, 0.05996) |
| Papua    | Other cardiovascular and circulatory diseases | 35  | 10.8<br>(4.8, 19.7)   | 0.0000825<br>(0.0000367, 0.0001506) | 0.01898<br>(0.00883, 0.03416)  | 12.0<br>(5.4, 22.1)  | 0.000097<br>(0.0000437, 0.0001795)  | 0.02224<br>(0.01039, 0.03979) |
| Papua    | Diabetes mellitus                             | 35  | 9.2<br>(4.2, 16.0)    | 0.0000703<br>(0.0000323, 0.0001221) | 0.01618<br>(0.00782, 0.02694)  | 18.4<br>(9.1, 30.8)  | 0.0001491<br>(0.0000735, 0.0002500) | 0.03409<br>(0.01746, 0.05575) |
| Papua    | Chronic kidney disease                        | 35  | 7.7<br>(4.0, 13.4)    | 0.0000591<br>(0.0000305, 0.0001025) | 0.01359<br>(0.00716, 0.02337)  | 7.8<br>(4.3, 13.8)   | 0.0000633<br>(0.0000346, 0.0001119) | 0.01446<br>(0.00819, 0.02398) |
| Papua    | Cirrhosis                                     | 35  | 30.6<br>(16.3, 47.8)  | 0.0002331<br>(0.0001240, 0.0003641) | 0.05365<br>(0.03010, 0.07940)  | 22.4<br>(12.0, 36.4) | 0.0001819<br>(0.0000971, 0.0002954) | 0.04165<br>(0.02300, 0.06521) |
| Papua    | Chronic respiratory diseases                  | 35  | 15.9<br>(7.9, 28.2)   | 0.0001215<br>(0.0000600, 0.0002153) | 0.02791<br>(0.01383, 0.04853)  | 9.8<br>(4.3, 18.8)   | 0.0000797<br>(0.0000347, 0.0001525) | 0.01825<br>(0.00801, 0.03325) |
| Papua    | Other non-communicable diseases               | 35  | 45.6<br>(28.5, 67.8)  | 0.000348<br>(0.0002176, 0.0005169)  | 0.08007<br>(0.05409, 0.10929)  | 48.2<br>(29.5, 71.6) | 0.0003915<br>(0.0002398, 0.0005814) | 0.08948<br>(0.05985, 0.12255) |
| Papua    | Drowning                                      | 35  | 27.4<br>(11.5, 52.9)  | 0.0002086<br>(0.0000878, 0.0004035) | 0.04799<br>(0.02062, 0.09046)  | 22.4<br>(8.5, 44.7)  | 0.000182<br>(0.0000688, 0.0003629)  | 0.0418<br>(0.01705, 0.08126)  |
| Papua    | Falls                                         | 35  | 17.9<br>(4.9, 42.1)   | 0.0001361<br>(0.0000370, 0.0003214) | 0.03135<br>(0.00848, 0.07267)  | 14.8<br>(4.1, 34.4)  | 0.0001199<br>(0.0000336, 0.0002794) | 0.02744<br>(0.00773, 0.06106) |
| Papua    | Interpersonal violence                        | 35  | 5.8<br>(2.5, 12.3)    | 0.0000443<br>(0.0000191, 0.0000935) | 0.01019<br>(0.00449, 0.02155)  | 3.7<br>(1.1, 10.3)   | 0.0000299<br>(0.0000088, 0.0000839) | 0.00682<br>(0.00212, 0.01842) |
| Papua    | Self-harm                                     | 35  | 3.1<br>(1.2, 6.7)     | 0.000024<br>(0.0000089              |                                |                      |                                     |                               |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males           |               |               |                        |             |                    | Females         |               |             |                        |         |                    |
|----------|-----------------------------------------------|-----|-----------------|---------------|---------------|------------------------|-------------|--------------------|-----------------|---------------|-------------|------------------------|---------|--------------------|
|          |                                               |     | Deaths (95% UI) |               | CSMR (95% UI) |                        | CF (95% UI) |                    | Deaths (95% UI) |               | CF (95% UI) |                        |         |                    |
| Papua    | Transport injuries                            | 35  | 69.4            | (42.2, 107.5) | 0.0005291     | (0.0003217, 0.0008196) | 0.12156     | (0.07754, 0.17798) | 36.0            | (18.4, 64.7)  | 0.0002922   | (0.0001495, 0.0005249) | 0.06665 | (0.03574, 0.10899) |
| Papua    | Other unintentional injuries                  | 35  | 11.0            | (2.8, 29.8)   | 0.0000839     | (0.0000217, 0.0002275) | 0.01925     | (0.00505, 0.04887) | 5.6             | (1.2, 15.2)   | 0.0000451   | (0.0000098, 0.0001236) | 0.01028 | (0.00243, 0.02787) |
| Papua    | Diarrheal diseases                            | 40  | 5.6             | (2.0, 11.3)   | 0.0000496     | (0.0000179, 0.0000997) | 0.00819     | (0.00309, 0.01586) | 7.4             | (2.9, 14.3)   | 0.0000824   | (0.0000322, 0.0001589) | 0.01376 | (0.00557, 0.02608) |
| Papua    | HIV/AIDS                                      | 40  | 52.1            | (28.7, 83.6)  | 0.0004585     | (0.0002529, 0.0007360) | 0.07561     | (0.04364, 0.11522) | 40.2            | (22.0, 64.5)  | 0.000447    | (0.0002446, 0.0007160) | 0.07434 | (0.04189, 0.11295) |
| Papua    | Lower respiratory infections                  | 40  | 6.5             | (2.5, 12.9)   | 0.0000575     | (0.0000224, 0.0001137) | 0.0095      | (0.00365, 0.01846) | 5.4             | (2.0, 11.1)   | 0.0000604   | (0.0000219, 0.0001234) | 0.01006 | (0.00366, 0.02003) |
| Papua    | Malaria                                       | 40  | 7.2             | (1.6, 17.5)   | 0.0000637     | (0.0000141, 0.0001543) | 0.01053     | (0.00229, 0.02527) | 4.7             | (0.9, 12.4)   | 0.0000519   | (0.0000105, 0.0001377) | 0.00861 | (0.00180, 0.02253) |
| Papua    | Tuberculosis                                  | 40  | 108.8           | (75.3, 154.1) | 0.0009577     | (0.0006632, 0.0013566) | 0.15822     | (0.11424, 0.20849) | 60.5            | (37.1, 88.6)  | 0.0006725   | (0.0004116, 0.0009845) | 0.1117  | (0.07258, 0.15532) |
| Papua    | Maternal disorders                            | 40  |                 |               |               |                        |             |                    | 17.6            | (5.2, 37.9)   | 0.0001957   | (0.0000575, 0.0004212) | 0.03258 | (0.01004, 0.07013) |
| Papua    | Other communicable diseases                   | 40  | 21.6            | (10.2, 36.7)  | 0.0001904     | (0.0000895, 0.0003235) | 0.03142     | (0.01585, 0.05103) | 22.1            | (11.5, 36.8)  | 0.0002456   | (0.0001280, 0.0004091) | 0.04088 | (0.02166, 0.06560) |
| Papua    | Tracheal, bronchus, and lung cancer           | 40  | 2.0             | (0.4, 5.6)    | 0.0000175     | (0.0000037, 0.0000497) | 0.00289     | (0.00062, 0.00824) | 1.3             | (0.3, 4.0)    | 0.0000141   | (0.0000028, 0.0000450) | 0.00235 | (0.00050, 0.00717) |
| Papua    | Breast cancer                                 | 40  | 0.5             | (0.1, 1.6)    | 0.0000046     | (0.0000009, 0.0000139) | 0.00076     | (0.00016, 0.00235) | 28.4            | (10.3, 50.3)  | 0.0003158   | (0.0001144, 0.0005586) | 0.05249 | (0.02004, 0.09046) |
| Papua    | Cervical cancer                               | 40  |                 |               |               |                        |             |                    | 16.2            | (3.3, 43.0)   | 0.0001804   | (0.0000364, 0.0004773) | 0.03    | (0.00613, 0.07561) |
| Papua    | Other malignant neoplasms                     | 40  | 53.1            | (30.3, 82.3)  | 0.0004678     | (0.0002669, 0.0007249) | 0.07715     | (0.04598, 0.11618) | 28.5            | (12.0, 51.6)  | 0.000317    | (0.0001328, 0.0005733) | 0.05262 | (0.02243, 0.08917) |
| Papua    | Cerebrovascular disease                       | 40  | 92.0            | (60.7, 132.4) | 0.0008097     | (0.0005342, 0.0011656) | 0.13358     | (0.09447, 0.17391) | 83.3            | (55.1, 117.2) | 0.0009252   | (0.0006116, 0.0013017) | 0.15371 | (0.10953, 0.19807) |
| Papua    | Ischemic heart disease                        | 40  | 44.5            | (23.7, 71.8)  | 0.0003919     | (0.0002082, 0.0006320) | 0.06472     | (0.03482, 0.10393) | 26.8            | (13.6, 45.8)  | 0.0002974   | (0.0001514, 0.0005084) | 0.0494  | (0.02568, 0.08111) |
| Papua    | Other cardiovascular and circulatory diseases | 40  | 17.9            | (8.2, 32.2)   | 0.0001578     | (0.0000722, 0.0002830) | 0.02605     | (0.01250, 0.04741) | 15.9            | (7.6, 29.4)   | 0.000177    | (0.0000839, 0.0003271) | 0.0295  | (0.01407, 0.05315) |
| Papua    | Diabetes mellitus                             | 40  | 21.8            | (10.7, 36.9)  | 0.0001922     | (0.0000940, 0.0003248) | 0.03173     | (0.01594, 0.05073) | 34.6            | (18.2, 55.4)  | 0.0003838   | (0.0002026, 0.0006158) | 0.06378 | (0.03470, 0.09799) |
| Papua    | Chronic kidney disease                        | 40  | 11.0            | (5.9, 18.5)   | 0.0000972     | (0.0000519, 0.0001630) | 0.01605     | (0.00885, 0.02666) | 9.2             | (5.1, 15.5)   | 0.000102    | (0.0000572, 0.0001726) | 0.01694 | (0.00992, 0.02748) |
| Papua    | Cirrhosis                                     | 40  | 43.0            | (23.7, 67.0)  | 0.0003783     | (0.0002087, 0.0005902) | 0.06242     | (0.03709, 0.09298) | 24.2            | (13.6, 38.0)  | 0.0002686   | (0.0001507, 0.0004220) | 0.04468 | (0.02612, 0.06767) |
| Papua    | Chronic respiratory diseases                  | 40  | 27.6            | (14.0, 46.9)  | 0.0002433     | (0.0001233, 0.0004131) | 0.04009     | (0.02102, 0.06793) | 14.0            | (6.5, 26.0)   | 0.0001555   | (0.0000724, 0.0002890) | 0.02585 | (0.01230, 0.04660) |
| Papua    | Other non-communicable diseases               | 40  | 57.9            | (36.9, 86.7)  | 0.0005099     | (0.0003245, 0.0007634) | 0.08413     | (0.05687, 0.11702) | 48.7            | (30.4, 72.2)  | 0.0005409   | (0.0003378, 0.0008018) | 0.08985 | (0.06009, 0.12393) |
| Papua    | Drowning                                      | 40  | 17.1            | (6.1, 36.8)   | 0.0001501     | (0.0000536, 0.0003236) | 0.02474     | (0.00880, 0.05259) | 9.7             | (3.3, 21.1)   | 0.0001073   | (0.0000365, 0.0002341) | 0.01791 | (0.00646, 0.03825) |
| Papua    | Falls                                         | 40  | 17.7            | (4.8, 42.9)   | 0.0001556     | (0.0000419, 0.0003772) | 0.02568     | (0.00700, 0.06048) | 10.7            | (3.1, 25.1)   | 0.0001186   | (0.0000343, 0.0002787) | 0.01974 | (0.00559, 0.04524) |
| Papua    | Interpersonal violence                        | 40  | 4.9             | (2.1, 10.5)   | 0.0000429     | (0.0000182, 0.0000926) | 0.00708     | (0.00319, 0.01432) | 2.6             | (0.9, 6.6)    | 0.0000289   | (0.0000095, 0.0000734) | 0.0048  | (0.00162, 0.01187) |
| Papua    | Self-harm                                     | 40  | 3.0             | (1.1, 6.5)    | 0.0000263     | (0.0000100, 0.0000573) | 0.00432     | (0.00171, 0.00900) | 1.2             | (0.4, 2.7)    | 0.000013    | (0.0000043, 0.0000297) | 0.00216 | (0.00075, 0.00492) |
| Papua    | Transport injuries                            | 40  | 62.8            | (35.3, 99.2)  | 0.0005527     | (0.0003105, 0.0008736) | 0.09108     | (0.05421, 0.13707) | 24.5            | (12.9, 43.5)  | 0.000272    | (0.0001430, 0.0004837) | 0.04512 | (0.02443, 0.07483) |
| Papua    | Other unintentional injuries                  | 40  | 9.7             | (2.4, 25.4)   | 0.0000854     | (0.0000207, 0.0002232) | 0.01405     | (0.00349, 0.03721) | 3.9             | (0.9, 10.7)   | 0.0000432   | (0.0000098, 0.0001191) | 0.00717 | (0.00172, 0.01985) |
| Papua    | Diarrheal diseases                            | 45  | 4.7             | (1.7, 9.4)    | 0.000056      | (0.0000199, 0.0001128) | 0.00672     | (0.00250, 0.01329) | 6.6             | (2.6, 12.5)   | 0.0001109   | (0.0000436, 0.0002082) | 0.01227 | (0.00489, 0.02306) |
| Papua    | HIV/AIDS                                      | 45  | 27.8            | (12.9, 49.4)  | 0.0003333     | (0.0001541, 0.0005915) | 0.03989     | (0.01921, 0.06864) | 24.6            | (11.7, 42.4)  | 0.0004108   | (0.0001951, 0.0007098) | 0.04534 | (0.02234, 0.07573) |
| Papua    | Lower respiratory infections                  | 45  | 7.3             | (2.9, 15.2)   | 0.0000879     | (0.0000348, 0.0001816) | 0.01056     | (0.00425, 0.02062) | 6.9             | (2.6, 13.5)   | 0.0001157   | (0.0000442, 0.0002262) | 0.01278 | (0.00496, 0.02461) |
| Papua    | Malaria                                       | 45  | 5.6             | (1.3, 13.1)   | 0.0000667     | (0.0000160, 0.0001570) | 0.008       | (0.00192, 0.01951) | 4.0             | (0.8, 10.3)   | 0.0000662   | (0.0000141, 0.0001724) | 0.00773 | (0.00158, 0.01862) |
| Papua    | Tuberculosis                                  | 45  | 118.3           | (85.3, 163.0) | 0.0014162     | (0.0010214, 0.0019521) | 0.16989     | (0.13035, 0.21417) | 76.2            | (51.8, 102.7) | 0.0012742   | (0.0008670, 0.0017168) | 0.14052 | (0.10260, 0.18271) |
| Papua    | Maternal disorders                            | 45  |                 |               |               |                        |             |                    | 1.7             | (0.5, 4.5)    | 0.0000289   | (0.0000080, 0.0000752) | 0.00319 | (0.00089, 0.00808) |
| Papua    | Other communicable diseases                   | 45  | 15.1            | (6.8, 26.3)   | 0.0001813     | (0.0000819, 0.0003146) | 0.0217      | (0.01055, 0.03602) | 16.6            | (8.1, 27.1)   | 0.0002768   | (0.0001353, 0.0004535) | 0.03054 | (0.01557, 0.04889) |
| Papua    | Tracheal, bronchus, and lung cancer           | 45  | 4.2             | (0.9, 11.3)   | 0.0000505     | (0.0000112, 0.0001352) | 0.00606     | (0.00141, 0.01630) | 1.8             | (0.4, 5.1)    | 0.0000296   | (0.0000065, 0.0000856) | 0.00327 | (0.00073, 0.00946) |
| Papua    | Breast cancer                                 | 45  | 0.6             | (0.1, 1.7)    | 0.0000075     | (0.0000018, 0.0000206) | 0.0009      | (0.00023, 0.00252) | 25.3            | (9.4, 45.7)   | 0.000423    | (0.0001573, 0.0007649) | 0.04664 | (0.01782, 0.08282) |
| Papua    | Cervical cancer                               | 45  |                 |               |               |                        |             |                    | 18.4            | (4.6, 45.1)   | 0.0003076   | (0.0000772, 0.0007537) | 0.03393 | (0.00837, 0.07968) |
| Papua    | Other malignant neoplasms                     | 45  | 47.7            | (27.4, 74.3)  | 0.0005713     | (0.0003284, 0.0008897) | 0.06844     | (0.04125, 0.10309) | 20.4            | (8.1, 37.7)   | 0.0003416   | (0.0001357, 0.0006310) | 0.03762 | (0.01545, 0.06592) |
| Papua    | Cerebrovascular disease                       | 45  | 118.4           | (80.2, 165.1) | 0.0014173     | (0.0009601, 0.0019773) | 0.16987     | (0.12393, 0.21605) | 103.3           | (72.1, 141.9) | 0.0017271   | (0.0012060, 0.0023723) | 0.19032 | (0.14096, 0.23898) |
| Papua    | Ischemic heart disease                        | 45  | 53.5            | (29.4, 85.7)  | 0.0006409     | (0.0003515, 0.0010261) | 0.07688     | (0.04268, 0.12165) | 31.8            | (16.7, 53.1)  | 0.0005322   | (0.0002786, 0.0008881) | 0.05864 | (0.03204, 0.09530) |
| Papua    | Other cardiovascular and circulatory diseases | 45  | 21.6            | (9.9, 38.7)   | 0.000259      | (0.0001183, 0.0004638) | 0.03105     | (0.01474, 0.05577) | 18.7            | (9.0, 34.5)   | 0.0003128   | (0.0001509, 0.0005765) | 0.03456 | (0.01690, 0.06174) |
| Papua    | Diabetes mellitus                             | 45  | 32.9            | (16.9, 53.9)  | 0.0003945     | (0.0002026, 0.0006454) | 0.0473      | (0.02626, 0.07471) | 50.0            | (28.1, 76.4)  | 0.0008363   | (0.0004705, 0.0012784) | 0.09217 | (0.05363, 0.13495) |
| Papua    | Chronic kidney disease                        | 45  | 11.3            | (6.0, 19.1)   | 0.0001355     | (0.0000719, 0.0002293) | 0.01624     | (0.00899, 0.02729) | 9.2             | (5.2, 15.6)   | 0.0001542   | (0.0000865, 0.0002604) | 0.01698 | (0.01012, 0.02709) |
| Papua    | Cirrhosis                                     | 45  | 40.0            | (21.7, 62.4)  | 0.0004787     | (0.0002595, 0.0007467) | 0.05738     | (0.03262, 0.08499) | 21.6            | (12.1, 34.2)  | 0.0003618   | (0.0002028, 0.0005726) | 0.03991 | (0.02304, 0.06058) |
| Papua    | Chronic respiratory diseases                  | 45  | 38.2            | (19.9, 62.8)  | 0.0004571     | (0.0002385, 0.0007517) | 0.0547      | (0.03003, 0.08924) | 19.7            | (9.7, 34.6)   | 0.0003298   | (0.0001629, 0.0005794) | 0.03638 | (0.01898, 0.06254) |
| Papua    | Other non-communicable diseases               | 45  | 54.0            | (34.3, 81.4)  | 0.0006468     | (0.0004109, 0.0009743) | 0.07749     | (0.05228, 0.10744) | 44.1            | (27.8, 64.6)  | 0.0007381   | (0.0004652, 0.0010798) | 0.08133 | (0.05535, 0.11221) |
| Papua    | Drowning                                      | 45  | 9.4             | (3.0, 21.0)   | 0.0001122     | (0.0000355, 0.0002509) | 0.01344     | (0.00427, 0.02993) | 5.0             | (1.6, 12.2)   | 0.0000839   | (0.0000259, 0.0002043) | 0.00927 | (0.00287, 0.02260) |
| Papua    | Falls                                         | 45  | 16.5            | (4.5, 39.2)   | 0.000197      | (0.0000535, 0.0004690) | 0.02363     | (0.00678, 0.05498) | 9.5             | (2.9, 22.3)   | 0.000159    | (0.0000486, 0.0003723) | 0.01754 | (0.00535, 0.03947) |
| Papua    | Interpersonal violence                        | 45  | 3.9             | (1.6, 8.4)    | 0.0000471     | (0.0000197, 0.0001011) | 0.00564     | (0.00250, 0.01189) | 2.1             | (0.7, 5.1)    | 0.0000347   | (0.0000112, 0.0000853) | 0.00382 | (0.00136, 0.00941) |
| Papua    | Self-harm                                     | 45  | 2.8             | (1.1, 6.2)    | 0.0000337     | (0.0000127, 0.0000746) | 0.00403     | (0.00158, 0.00864) | 1.1             | (0.4, 2.5)    | 0.0000184   | (0.0000061, 0.0000425) | 0.00204 | (0.00071, 0.00458) |
| Papua    | Transport injuries                            | 45  | 54.8            | (32.3, 87.7)  | 0.0006566     | (0.0003870, 0.0010498) | 0.07859     | (0.04881, 0.11509) | 20.5            | (11.0, 35.0)  | 0.0003431   | (0.0001836, 0.0005848) | 0.03778 | (0.02138, 0.06221) |
| Papua    | Other unintentional injuries                  | 45  | 8.1             | (1.9, 21.9)   | 0.0000972     | (0.0000231, 0.0002626) | 0.01161     | (0.00285, 0.03183) | 3.2             | (0.8, 9.1)    | 0.0000531   | (0.0000127, 0.0001530) | 0.00584 | (0.00140, 0.01651) |
| Papua    | Diarrheal diseases                            | 50  | 4.5             | (1.6, 8.8)    | 0.0000884     | (0.0000322, 0.0001711) | 0.00727     | (0.00274, 0.01381) | 6.0             | (2.5, 11.1)   | 0.0001717   | (0.0000704, 0.0003154) | 0.01278 | (0.00532, 0.02302) |
| Papua    | HIV/AIDS                                      | 50  | 10.1            | (4.1, 20.3)   | 0.0001977     | (0.0000803, 0.0003963) | 0.01623     | (0.00680, 0.03141) | 9.0             | (3.8, 17.2)   | 0.0002558   | (0.0001083, 0.0004889) | 0.01903 | (0.00791, 0.03551) |
| Papua    | Lower respiratory infections                  | 50  | 7.4             | (2.9, 14.8)   | 0.0001447     | (0.0000561, 0.0002903) | 0.01192     | (0.00470, 0.02308) | 6.8             | (2.6, 13.3)   | 0.0001923   | (0.0000752, 0.0003775) | 0.01431 | (0.00585, 0.02827) |
| Papua    | Malaria                                       | 50  | 4.5             | (1.1, 10.5)   | 0.0000882     | (0.0000213, 0.0002052) | 0.00727     | (0.00180, 0.01721) | 3.2             | (0.7, 8.2)    | 0.0000895   | (0.0000199, 0.0002328) | 0.00664 | (0.00150, 0.01703) |
| Papua    | Tuberculosis                                  | 50  | 113.6           | (83.7, 154.2) | 0.0022215     | (0.0016364, 0.0030153) | 0.18278     | (0.14564, 0.22323) | 73.6            | (52.2, 9      |             |                        |         |                    |



Aim 2 Supplementary Tables

| Cause group |                                               | Age | Males           |               |                                  | Females                    |                     |                                  |                            |
|-------------|-----------------------------------------------|-----|-----------------|---------------|----------------------------------|----------------------------|---------------------|----------------------------------|----------------------------|
|             |                                               |     | Deaths (95% UI) | CSMR (95% UI) | CF (95% UI)                      | Deaths (95% UI)            | CSMR (95% UI)       | CF (95% UI)                      |                            |
| Papua       | Other malignant neoplasms                     | 50  | 34.0            | (19.2, 54.1)  | 0.0006646 (0.0003752, 0.0010572) | 0.05461 (0.03231, 0.08433) | 13.8 (5.4, 26.0)    | 0.0003926 (0.0001536, 0.0007382) | 0.02912 (0.01161, 0.05262) |
| Papua       | Cerebrovascular disease                       | 50  | 126.3           | (88.6, 174.3) | 0.0024687 (0.0017315, 0.0034086) | 0.20302 (0.15225, 0.25434) | 103.6 (73.6, 138.6) | 0.002942 (0.0020906, 0.0039357)  | 0.21834 (0.16438, 0.26870) |
| Papua       | Ischemic heart disease                        | 50  | 54.1            | (29.8, 86.4)  | 0.0010574 (0.0005832, 0.0016899) | 0.08703 (0.04859, 0.13558) | 29.6 (16.0, 48.8)   | 0.0008416 (0.0004553, 0.0013853) | 0.06247 (0.03416, 0.09953) |
| Papua       | Other cardiovascular and circulatory diseases | 50  | 23.3            | (10.8, 41.7)  | 0.0004555 (0.0002111, 0.0008162) | 0.03748 (0.01835, 0.06599) | 19.7 (10.0, 35.6)   | 0.0005601 (0.0002829, 0.0010111) | 0.04168 (0.02063, 0.07274) |
| Papua       | Diabetes mellitus                             | 50  | 36.0            | (19.2, 55.9)  | 0.0007033 (0.0003749, 0.0010936) | 0.05784 (0.03279, 0.08796) | 52.6 (30.9, 75.8)   | 0.0014929 (0.0008772, 0.0021533) | 0.11086 (0.06764, 0.15696) |
| Papua       | Chronic kidney disease                        | 50  | 10.0            | (5.5, 17.0)   | 0.0001949 (0.0001069, 0.0003327) | 0.01603 (0.00902, 0.02737) | 8.0 (4.6, 13.1)     | 0.0002265 (0.0001319, 0.0003734) | 0.01681 (0.01000, 0.02693) |
| Papua       | Cirrhosis                                     | 50  | 32.5            | (17.4, 50.4)  | 0.0006356 (0.0003403, 0.0009856) | 0.05227 (0.02995, 0.07833) | 16.7 (9.4, 26.0)    | 0.0004753 (0.0002673, 0.0007382) | 0.03531 (0.01998, 0.05299) |
| Papua       | Chronic respiratory diseases                  | 50  | 44.7            | (25.0, 73.3)  | 0.0008744 (0.0004885, 0.0014336) | 0.07179 (0.04163, 0.11319) | 24.5 (13.1, 41.5)   | 0.000697 (0.0003728, 0.0011777)  | 0.05177 (0.02902, 0.08623) |
| Papua       | Other non-communicable diseases               | 50  | 46.0            | (29.7, 70.0)  | 0.0009002 (0.0005809, 0.0013680) | 0.074 (0.05019, 0.10319)   | 36.2 (23.3, 52.7)   | 0.0010283 (0.0006615, 0.0014980) | 0.07631 (0.05191, 0.10653) |
| Papua       | Drowning                                      | 50  | 4.4             | (1.3, 11.1)   | 0.0000865 (0.0000248, 0.0002161) | 0.0071 (0.00214, 0.01691)  | 2.1 (0.6, 5.2)      | 0.0000585 (0.0000174, 0.0001483) | 0.00435 (0.00130, 0.01101) |
| Papua       | Falls                                         | 50  | 12.6            | (3.7, 29.3)   | 0.0002468 (0.0000723, 0.0005737) | 0.02031 (0.00610, 0.04481) | 6.5 (2.1, 14.1)     | 0.0001837 (0.0000595, 0.0004012) | 0.01366 (0.00449, 0.02876) |
| Papua       | Interpersonal violence                        | 50  | 2.5             | (1.0, 5.3)    | 0.0000497 (0.0000203, 0.0001032) | 0.00409 (0.00181, 0.00857) | 1.3 (0.4, 2.8)      | 0.000036 (0.0000122, 0.0000796)  | 0.00267 (0.00095, 0.00599) |
| Papua       | Self-harm                                     | 50  | 2.1             | (0.8, 4.6)    | 0.0000406 (0.0000151, 0.0000908) | 0.00333 (0.00126, 0.00742) | 0.8 (0.3, 1.8)      | 0.0000222 (0.0000074, 0.0000505) | 0.00165 (0.00058, 0.00376) |
| Papua       | Transport injuries                            | 50  | 31.4            | (16.7, 50.8)  | 0.0006142 (0.0003270, 0.0009931) | 0.05043 (0.02770, 0.07820) | 10.5 (5.1, 18.3)    | 0.0002984 (0.0001459, 0.0005202) | 0.02215 (0.01098, 0.03682) |
| Papua       | Other unintentional injuries                  | 50  | 5.0             | (1.2, 14.0)   | 0.0000982 (0.0000229, 0.0002740) | 0.00805 (0.00197, 0.02150) | 1.8 (0.4, 5.0)      | 0.0000513 (0.0000124, 0.0001409) | 0.0038 (0.00093, 0.01031)  |
| Papua       | Diarrheal diseases                            | 55  | 3.5             | (1.2, 6.7)    | 0.0001199 (0.0000423, 0.0002317) | 0.00699 (0.00265, 0.01361) | 4.7 (1.9, 8.6)      | 0.0002368 (0.0000955, 0.0004345) | 0.01197 (0.00487, 0.02157) |
| Papua       | HIV/AIDS                                      | 55  | 3.4             | (1.1, 7.7)    | 0.000118 (0.0000380, 0.0002674)  | 0.00687 (0.00222, 0.01546) | 3.1 (1.1, 6.8)      | 0.0001579 (0.0000560, 0.0003448) | 0.00799 (0.00289, 0.01764) |
| Papua       | Lower respiratory infections                  | 55  | 5.6             | (2.2, 11.2)   | 0.0001938 (0.0000746, 0.0003873) | 0.0113 (0.00443, 0.02188)  | 5.3 (2.0, 10.4)     | 0.0002688 (0.0001027, 0.0005248) | 0.01359 (0.00537, 0.02679) |
| Papua       | Malaria                                       | 55  | 3.5             | (0.9, 8.2)    | 0.000123 (0.0000312, 0.0002850)  | 0.00717 (0.00176, 0.01702) | 2.5 (0.6, 6.5)      | 0.0001288 (0.0000294, 0.0003309) | 0.00649 (0.00148, 0.01646) |
| Papua       | Tuberculosis                                  | 55  | 84.5            | (64.1, 115.2) | 0.0029304 (0.0022226, 0.0039954) | 0.17088 (0.13783, 0.20817) | 57.7 (41.8, 75.1)   | 0.0029204 (0.0021123, 0.0037990) | 0.14728 (0.11656, 0.18252) |
| Papua       | Other communicable diseases                   | 55  | 7.0             | (2.9, 12.7)   | 0.0002416 (0.0001017, 0.0004413) | 0.01406 (0.00623, 0.02451) | 7.2 (3.3, 12.6)     | 0.0003634 (0.0001667, 0.0006352) | 0.01835 (0.00872, 0.03159) |
| Papua       | Tracheal, bronchus, and lung cancer           | 55  | 6.1             | (1.5, 15.9)   | 0.0002128 (0.0000518, 0.0005519) | 0.0124 (0.00323, 0.03212)  | 1.3 (0.3, 3.6)      | 0.0000673 (0.0000148, 0.0001829) | 0.00339 (0.00079, 0.00938) |
| Papua       | Breast cancer                                 | 55  | 0.5             | (0.1, 1.2)    | 0.0000166 (0.0000046, 0.0000404) | 0.00097 (0.00026, 0.00231) | 11.1 (4.1, 21.1)    | 0.0005606 (0.0002057, 0.0010659) | 0.0283 (0.01055, 0.05214)  |
| Papua       | Cervical cancer                               | 55  |                 |               |                                  |                            | 11.2 (3.5, 24.6)    | 0.0005646 (0.0001773, 0.0012417) | 0.02847 (0.00914, 0.06339) |
| Papua       | Other malignant neoplasms                     | 55  | 21.9            | (12.3, 35.3)  | 0.000761 (0.0004252, 0.0012230)  | 0.04432 (0.02562, 0.06906) | 9.4 (3.8, 18.1)     | 0.0004758 (0.0001899, 0.0009155) | 0.02398 (0.00934, 0.04351) |
| Papua       | Cerebrovascular disease                       | 55  | 114.9           | (82.1, 158.4) | 0.0039862 (0.0028489, 0.0054939) | 0.23229 (0.17547, 0.28798) | 97.9 (71.4, 129.9)  | 0.0049498 (0.0036098, 0.0065675) | 0.24948 (0.19378, 0.30408) |
| Papua       | Ischemic heart disease                        | 55  | 49.7            | (27.7, 78.7)  | 0.0017233 (0.0009605, 0.0027304) | 0.1005 (0.05646, 0.15488)  | 29.4 (16.2, 47.5)   | 0.0014844 (0.0008210, 0.0024014) | 0.07482 (0.04120, 0.11742) |
| Papua       | Other cardiovascular and circulatory diseases | 55  | 21.6            | (10.2, 37.3)  | 0.0007488 (0.0003545, 0.0012923) | 0.04368 (0.02136, 0.07629) | 18.9 (9.4, 32.9)    | 0.0009534 (0.0004770, 0.0016629) | 0.04817 (0.02364, 0.08244) |
| Papua       | Diabetes mellitus                             | 55  | 31.0            | (17.0, 49.2)  | 0.0010764 (0.0005882, 0.0017061) | 0.06273 (0.03565, 0.09519) | 46.8 (27.9, 67.4)   | 0.0023674 (0.0014104, 0.0034097) | 0.11946 (0.07476, 0.16801) |
| Papua       | Chronic kidney disease                        | 55  | 8.1             | (4.5, 13.6)   | 0.0002797 (0.0001565, 0.0004719) | 0.0163 (0.00926, 0.02770)  | 6.7 (4.0, 10.9)     | 0.0003389 (0.0002000, 0.0005535) | 0.01709 (0.01018, 0.02725) |
| Papua       | Cirrhosis                                     | 55  | 22.2            | (11.9, 34.6)  | 0.0007709 (0.0004128, 0.0011995) | 0.04494 (0.02569, 0.06690) | 11.8 (6.7, 17.9)    | 0.0005948 (0.0003377, 0.0009033) | 0.03002 (0.01765, 0.04529) |
| Papua       | Chronic respiratory diseases                  | 55  | 41.5            | (23.2, 67.4)  | 0.0014391 (0.0008051, 0.0023375) | 0.08373 (0.04838, 0.12951) | 23.5 (12.6, 38.7)   | 0.0011859 (0.0006395, 0.0019578) | 0.05982 (0.03368, 0.09526) |
| Papua       | Other non-communicable diseases               | 55  | 38.1            | (24.7, 57.5)  | 0.0013227 (0.0008575, 0.0019954) | 0.07705 (0.05280, 0.10722) | 31.1 (20.4, 44.7)   | 0.0015735 (0.0010292, 0.0022599) | 0.07932 (0.05420, 0.10757) |
| Papua       | Drowning                                      | 55  | 2.0             | (0.5, 5.0)    | 0.0000683 (0.0000180, 0.0001722) | 0.00398 (0.00109, 0.00997) | 0.9 (0.2, 2.3)      | 0.0000449 (0.0000119, 0.0001142) | 0.00227 (0.00059, 0.00580) |
| Papua       | Falls                                         | 55  | 8.8             | (2.7, 18.6)   | 0.0003042 (0.0000924, 0.0006461) | 0.01775 (0.00543, 0.03691) | 4.4 (1.5, 9.2)      | 0.0002228 (0.0000776, 0.0004628) | 0.01125 (0.00391, 0.02262) |
| Papua       | Interpersonal violence                        | 55  | 1.6             | (0.7, 3.3)    | 0.0000557 (0.0000226, 0.0001158) | 0.00325 (0.00138, 0.00648) | 0.8 (0.3, 1.7)      | 0.00004 (0.0000144, 0.0000880)   | 0.00202 (0.00075, 0.00450) |
| Papua       | Self-harm                                     | 55  | 1.6             | (0.6, 3.5)    | 0.0000541 (0.0000200, 0.0001222) | 0.00315 (0.00119, 0.00687) | 0.6 (0.2, 1.3)      | 0.0000298 (0.0000102, 0.0000667) | 0.00151 (0.00053, 0.00334) |
| Papua       | Transport injuries                            | 55  | 14.7            | (7.0, 25.7)   | 0.0005094 (0.0002427, 0.0008900) | 0.02962 (0.01473, 0.04967) | 4.8 (2.2, 9.0)      | 0.0002431 (0.0001099, 0.0004534) | 0.01225 (0.00560, 0.02160) |
| Papua       | Other unintentional injuries                  | 55  | 3.0             | (0.7, 8.3)    | 0.000104 (0.0000229, 0.0002872)  | 0.00604 (0.00141, 0.01586) | 1.1 (0.2, 3.1)      | 0.0000541 (0.0000121, 0.0001544) | 0.00272 (0.00065, 0.00742) |
| Papua       | Diarrheal diseases                            | 60  | 3.4             | (1.2, 6.4)    | 0.0001841 (0.0000630, 0.0003504) | 0.00663 (0.00231, 0.01267) | 3.8 (1.5, 6.9)      | 0.0003386 (0.0001357, 0.0006123) | 0.01131 (0.00447, 0.02023) |
| Papua       | HIV/AIDS                                      | 60  | 2.2             | (0.5, 5.4)    | 0.0001198 (0.0000297, 0.0002975) | 0.00432 (0.00110, 0.01032) | 1.7 (0.5, 3.9)      | 0.0001489 (0.0000465, 0.0003490) | 0.00498 (0.00151, 0.01155) |
| Papua       | Lower respiratory infections                  | 60  | 6.5             | (2.5, 12.7)   | 0.0003546 (0.0001376, 0.0006937) | 0.01278 (0.00503, 0.02463) | 5.4 (2.1, 10.5)     | 0.000048 (0.00001879, 0.0009287) | 0.01604 (0.00639, 0.03112) |
| Papua       | Malaria                                       | 60  | 3.5             | (0.9, 8.0)    | 0.0001924 (0.0000496, 0.0004349) | 0.00693 (0.00179, 0.01588) | 2.1 (0.5, 5.3)      | 0.0001839 (0.0000432, 0.0004647) | 0.00613 (0.00149, 0.01546) |
| Papua       | Tuberculosis                                  | 60  | 94.1            | (71.8, 125.7) | 0.0051418 (0.0039236, 0.0068678) | 0.18523 (0.14968, 0.22625) | 55.6 (40.9, 71.3)   | 0.0049178 (0.0036196, 0.0063074) | 0.16399 (0.12771, 0.20252) |
| Papua       | Other communicable diseases                   | 60  | 4.7             | (1.8, 9.1)    | 0.0002595 (0.0000995, 0.0004949) | 0.00933 (0.00372, 0.01720) | 4.1 (1.8, 7.7)      | 0.0003663 (0.0001591, 0.0006782) | 0.01223 (0.00538, 0.02189) |
| Papua       | Tracheal, bronchus, and lung cancer           | 60  | 4.8             | (1.2, 12.9)   | 0.0002602 (0.0000658, 0.0007049) | 0.00937 (0.00251, 0.02454) | 1.0 (0.2, 2.7)      | 0.0000879 (0.0000197, 0.0002384) | 0.00293 (0.00068, 0.00776) |
| Papua       | Breast cancer                                 | 60  | 0.5             | (0.1, 1.3)    | 0.0000266 (0.0000060, 0.0000706) | 0.00096 (0.00023, 0.00253) | 6.8 (2.4, 12.8)     | 0.0005992 (0.0002119, 0.0011307) | 0.02 (0.00705, 0.03733)    |
| Papua       | Cervical cancer                               | 60  |                 |               |                                  |                            | 7.7 (2.4, 17.8)     | 0.0006807 (0.0002161, 0.0015775) | 0.02267 (0.00744, 0.05290) |
| Papua       | Other malignant neoplasms                     | 60  | 20.5            | (11.5, 33.3)  | 0.0011205 (0.0006310, 0.0018177) | 0.04033 (0.02341, 0.06293) | 7.4 (3.0, 13.8)     | 0.0006572 (0.0002649, 0.0012228) | 0.0219 (0.00888, 0.03997)  |
| Papua       | Cerebrovascular disease                       | 60  | 120.1           | (85.3, 161.3) | 0.006562 (0.0046628, 0.0088158)  | 0.23636 (0.17953, 0.29178) | 88.3 (65.1, 114.2)  | 0.0078077 (0.0057579, 0.         |                            |

# Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males           |               |               |                        |             |                     | Females         |              |               |                        |             |                    |
|----------|-----------------------------------------------|-----|-----------------|---------------|---------------|------------------------|-------------|---------------------|-----------------|--------------|---------------|------------------------|-------------|--------------------|
|          |                                               |     | Deaths (95% UI) |               | CSMR (95% UI) |                        | CF (95% UI) |                     | Deaths (95% UI) |              | CSMR (95% UI) |                        | CF (95% UI) |                    |
| Papua    | Transport injuries                            | 60  | 11.0            | (5.5, 18.5)   | 0.0006017     | (0.0003024, 0.0010132) | 0.02164     | (0.01095, 0.03553)  | 3.1             | (1.4, 5.5)   | 0.0002736     | (0.0001266, 0.0004839) | 0.00911     | (0.00426, 0.01611) |
| Papua    | Other unintentional injuries                  | 60  | 2.3             | (0.5, 6.3)    | 0.0001259     | (0.0000269, 0.0003440) | 0.00452     | (0.00102, 0.01194)  | 0.7             | (0.2, 1.9)   | 0.0000617     | (0.0000139, 0.0001698) | 0.00205     | (0.00046, 0.00565) |
| Papua    | Diarrheal diseases                            | 65  | 3.9             | (1.5, 7.3)    | 0.0004655     | (0.0001790, 0.0008678) | 0.01191     | (0.00469, 0.02149)  | 4.7             | (2.1, 8.1)   | 0.0008709     | (0.0003986, 0.0015070) | 0.01964     | (0.00902, 0.03280) |
| Papua    | HIV/AIDS                                      | 65  | 1.4             | (0.4, 3.7)    | 0.0001668     | (0.0000484, 0.0004398) | 0.00427     | (0.000123, 0.01126) | 1.2             | (0.4, 2.8)   | 0.000217      | (0.0000708, 0.0005181) | 0.0049      | (0.00158, 0.01157) |
| Papua    | Lower respiratory infections                  | 65  | 5.1             | (1.9, 10.1)   | 0.0006031     | (0.0002310, 0.0012087) | 0.01544     | (0.00617, 0.03017)  | 4.7             | (1.9, 8.9)   | 0.0008818     | (0.0003473, 0.0016569) | 0.0199      | (0.00803, 0.03787) |
| Papua    | Malaria                                       | 65  | 2.5             | (0.6, 6.2)    | 0.0003008     | (0.0000729, 0.0007360) | 0.0077      | (0.00189, 0.01844)  | 1.5             | (0.3, 4.1)   | 0.0002823     | (0.0000608, 0.0007653) | 0.00635     | (0.00142, 0.01741) |
| Papua    | Tuberculosis                                  | 65  | 63.6            | (47.9, 86.3)  | 0.0075986     | (0.0057218, 0.0102979) | 0.19451     | (0.15753, 0.23459)  | 40.4            | (29.4, 51.9) | 0.0075439     | (0.0054913, 0.0096899) | 0.16985     | (0.13190, 0.20942) |
| Papua    | Other communicable diseases                   | 65  | 3.3             | (1.3, 6.4)    | 0.0003904     | (0.0001585, 0.0007664) | 0.00997     | (0.00410, 0.01867)  | 3.1             | (1.3, 5.7)   | 0.0005714     | (0.0002370, 0.0010614) | 0.01287     | (0.00546, 0.02340) |
| Papua    | Tracheal, bronchus, and lung cancer           | 65  | 2.4             | (0.6, 6.7)    | 0.0002912     | (0.0000746, 0.0007963) | 0.00745     | (0.00200, 0.02047)  | 0.5             | (0.1, 1.4)   | 0.0000984     | (0.0000222, 0.0002640) | 0.00221     | (0.00051, 0.00609) |
| Papua    | Breast cancer                                 | 65  | 0.2             | (0.0, 0.6)    | 0.0000266     | (0.0000056, 0.0000750) | 0.00068     | (0.00015, 0.00190)  | 3.1             | (1.1, 6.1)   | 0.0005834     | (0.0001959, 0.0011369) | 0.01315     | (0.00457, 0.02534) |
| Papua    | Cervical cancer                               | 65  |                 |               |               |                        |             |                     | 3.9             | (1.2, 9.3)   | 0.0007322     | (0.0002289, 0.0017359) | 0.01648     | (0.00522, 0.03892) |
| Papua    | Other malignant neoplasms                     | 65  | 10.1            | (5.6, 16.5)   | 0.0012062     | (0.0006648, 0.0019642) | 0.03084     | (0.01801, 0.04931)  | 4.7             | (1.9, 8.8)   | 0.0008715     | (0.0003530, 0.0016492) | 0.01962     | (0.00803, 0.03478) |
| Papua    | Cerebrovascular disease                       | 65  | 78.9            | (55.6, 108.2) | 0.0094163     | (0.0066346, 0.0129123) | 0.24093     | (0.18433, 0.29682)  | 64.3            | (48.0, 82.2) | 0.0119934     | (0.0089501, 0.0153293) | 0.26988     | (0.21243, 0.32639) |
| Papua    | Ischemic heart disease                        | 65  | 29.1            | (15.9, 47.5)  | 0.0034748     | (0.0018996, 0.0056658) | 0.08898     | (0.05033, 0.13970)  | 17.5            | (9.7, 28.0)  | 0.0032638     | (0.0018141, 0.0052311) | 0.07347     | (0.04090, 0.11767) |
| Papua    | Other cardiovascular and circulatory diseases | 65  | 16.4            | (7.8, 28.2)   | 0.0019566     | (0.0009282, 0.0033653) | 0.05013     | (0.02528, 0.08707)  | 12.9            | (6.6, 22.6)  | 0.0024106     | (0.0012322, 0.0042132) | 0.05437     | (0.02732, 0.09268) |
| Papua    | Diabetes mellitus                             | 65  | 13.9            | (7.3, 22.6)   | 0.0016585     | (0.0008771, 0.0027015) | 0.04243     | (0.02374, 0.06634)  | 19.8            | (11.7, 29.8) | 0.0036995     | (0.0021746, 0.0055632) | 0.08334     | (0.05072, 0.12033) |
| Papua    | Chronic kidney disease                        | 65  | 4.4             | (2.5, 7.5)    | 0.0005282     | (0.0002961, 0.0008896) | 0.01352     | (0.00772, 0.02198)  | 3.4             | (2.0, 5.3)   | 0.0006266     | (0.0003717, 0.0009861) | 0.01411     | (0.00846, 0.02207) |
| Papua    | Cirrhosis                                     | 65  | 9.0             | (4.7, 14.3)   | 0.0010712     | (0.0005555, 0.0017070) | 0.02742     | (0.01519, 0.04144)  | 4.5             | (2.5, 6.9)   | 0.0008479     | (0.0004737, 0.0012957) | 0.01911     | (0.01087, 0.02839) |
| Papua    | Chronic respiratory diseases                  | 65  | 40.7            | (24.6, 61.8)  | 0.0048558     | (0.0029326, 0.0073773) | 0.12412     | (0.07880, 0.17682)  | 20.4            | (11.9, 31.4) | 0.0038149     | (0.0022140, 0.0058594) | 0.08591     | (0.05040, 0.12898) |
| Papua    | Other non-communicable diseases               | 65  | 29.3            | (19.3, 42.7)  | 0.0034977     | (0.0023091, 0.0051005) | 0.0895      | (0.06222, 0.12068)  | 22.3            | (15.1, 31.1) | 0.0041646     | (0.0028163, 0.0058080) | 0.09375     | (0.06584, 0.12567) |
| Papua    | Drowning                                      | 65  | 0.6             | (0.1, 1.6)    | 0.0000749     | (0.0000172, 0.0001956) | 0.00192     | (0.00045, 0.00493)  | 0.3             | (0.1, 0.8)   | 0.0000536     | (0.0000129, 0.0001442) | 0.00121     | (0.00029, 0.00325) |
| Papua    | Falls                                         | 65  | 4.2             | (1.3, 8.8)    | 0.0004981     | (0.0001504, 0.0010527) | 0.01277     | (0.00384, 0.02695)  | 2.0             | (0.7, 4.1)   | 0.0003795     | (0.0001343, 0.0007654) | 0.00856     | (0.00300, 0.01699) |
| Papua    | Interpersonal violence                        | 65  | 0.5             | (0.2, 1.2)    | 0.0000653     | (0.0000230, 0.0001450) | 0.00167     | (0.00062, 0.00354)  | 0.2             | (0.1, 0.6)   | 0.0000434     | (0.0000139, 0.0001083) | 0.00098     | (0.00032, 0.00233) |
| Papua    | Self-harm                                     | 65  | 0.7             | (0.2, 1.6)    | 0.0000848     | (0.0000271, 0.0001940) | 0.00216     | (0.00073, 0.00497)  | 0.2             | (0.1, 0.5)   | 0.0000423     | (0.0000139, 0.0000956) | 0.00095     | (0.00031, 0.00219) |
| Papua    | Transport injuries                            | 65  | 5.8             | (2.7, 10.5)   | 0.0006923     | (0.0003244, 0.0012517) | 0.01768     | (0.00863, 0.03126)  | 1.8             | (0.8, 3.5)   | 0.0003334     | (0.0001418, 0.0006439) | 0.0075      | (0.00326, 0.01423) |
| Papua    | Other unintentional injuries                  | 65  | 1.3             | (0.3, 3.5)    | 0.0001569     | (0.0000332, 0.0004177) | 0.00399     | (0.00090, 0.01056)  | 0.4             | (0.1, 1.2)   | 0.0000799     | (0.0000173, 0.0002276) | 0.0018      | (0.00038, 0.00505) |
| Papua    | Diarrheal diseases                            | 70  | 4.6             | (2.0, 8.1)    | 0.0010671     | (0.0004540, 0.0018738) | 0.01744     | (0.00776, 0.03026)  | 6.3             | (3.2, 10.4)  | 0.0018218     | (0.0009235, 0.0030335) | 0.02638     | (0.01361, 0.04316) |
| Papua    | HIV/AIDS                                      | 70  | 1.5             | (0.4, 4.3)    | 0.0003482     | (0.0000972, 0.0009858) | 0.00568     | (0.00159, 0.01612)  | 1.5             | (0.5, 3.7)   | 0.0004355     | (0.0001325, 0.0010855) | 0.0063      | (0.00194, 0.01583) |
| Papua    | Lower respiratory infections                  | 70  | 5.1             | (2.0, 10.2)   | 0.001172      | (0.0004603, 0.0023429) | 0.01918     | (0.00793, 0.03632)  | 5.8             | (2.3, 10.8)  | 0.0016805     | (0.0006613, 0.0031277) | 0.02435     | (0.01008, 0.04583) |
| Papua    | Malaria                                       | 70  | 2.1             | (0.5, 5.3)    | 0.0004812     | (0.0001098, 0.0012151) | 0.00787     | (0.00178, 0.01967)  | 1.4             | (0.3, 3.9)   | 0.0004157     | (0.0000885, 0.0011452) | 0.00601     | (0.00131, 0.01711) |
| Papua    | Tuberculosis                                  | 70  | 54.0            | (40.8, 72.9)  | 0.0124664     | (0.0094054, 0.0168140) | 0.20388     | (0.16456, 0.24569)  | 42.6            | (31.6, 54.3) | 0.0123642     | (0.0091669, 0.0157635) | 0.17883     | (0.13886, 0.22150) |
| Papua    | Other communicable diseases                   | 70  | 2.9             | (1.1, 5.5)    | 0.00066       | (0.0002584, 0.0012641) | 0.01077     | (0.00450, 0.02000)  | 3.0             | (1.3, 5.7)   | 0.0008793     | (0.0003732, 0.0016674) | 0.01272     | (0.00536, 0.02392) |
| Papua    | Tracheal, bronchus, and lung cancer           | 70  | 1.5             | (0.4, 3.9)    | 0.0003368     | (0.0000819, 0.0009074) | 0.00551     | (0.00134, 0.01524)  | 0.4             | (0.1, 1.1)   | 0.0001225     | (0.0000272, 0.0003286) | 0.00177     | (0.00041, 0.00486) |
| Papua    | Breast cancer                                 | 70  | 0.1             | (0.0, 0.4)    | 0.0000289     | (0.0000055, 0.0000923) | 0.00047     | (0.00009, 0.00146)  | 2.0             | (0.7, 4.1)   | 0.00059       | (0.0001991, 0.0011830) | 0.00854     | (0.00294, 0.01676) |
| Papua    | Cervical cancer                               | 70  |                 |               |               |                        |             |                     | 2.3             | (0.6, 5.9)   | 0.0006715     | (0.0001832, 0.0017022) | 0.0097      | (0.00279, 0.02422) |
| Papua    | Other malignant neoplasms                     | 70  | 6.1             | (3.4, 10.1)   | 0.0014123     | (0.0007795, 0.0023327) | 0.02307     | (0.01341, 0.03694)  | 3.9             | (1.6, 6.8)   | 0.0011193     | (0.0004782, 0.0019656) | 0.01619     | (0.00708, 0.02835) |
| Papua    | Cerebrovascular disease                       | 70  | 61.5            | (43.4, 84.3)  | 0.0141929     | (0.0100171, 0.0194501) | 0.232       | (0.17681, 0.28389)  | 63.9            | (47.8, 81.2) | 0.0185604     | (0.0138705, 0.0235929) | 0.26838     | (0.21152, 0.32104) |
| Papua    | Ischemic heart disease                        | 70  | 21.6            | (11.9, 35.5)  | 0.0049748     | (0.0027474, 0.0081835) | 0.08138     | (0.04563, 0.12899)  | 17.5            | (9.8, 28.1)  | 0.0050696     | (0.0028539, 0.0081715) | 0.0733      | (0.04143, 0.11715) |
| Papua    | Other cardiovascular and circulatory diseases | 70  | 13.9            | (6.7, 23.7)   | 0.0032178     | (0.0015494, 0.0054796) | 0.05267     | (0.02671, 0.08900)  | 13.7            | (7.0, 23.6)  | 0.0039802     | (0.0020437, 0.0068514) | 0.05765     | (0.02970, 0.09720) |
| Papua    | Diabetes mellitus                             | 70  | 8.0             | (4.1, 13.2)   | 0.0018556     | (0.0009547, 0.0030484) | 0.03033     | (0.01661, 0.04850)  | 14.7            | (8.4, 22.6)  | 0.0042719     | (0.0024499, 0.0065567) | 0.0618      | (0.03709, 0.09140) |
| Papua    | Chronic kidney disease                        | 70  | 3.0             | (1.7, 5.1)    | 0.000701      | (0.0003950, 0.0011760) | 0.01147     | (0.00657, 0.01886)  | 2.9             | (1.8, 4.6)   | 0.0008504     | (0.0005120, 0.0013500) | 0.0123      | (0.00754, 0.01959) |
| Papua    | Cirrhosis                                     | 70  | 5.7             | (3.0, 9.1)    | 0.0013206     | (0.0006868, 0.0021111) | 0.0216      | (0.01202, 0.03338)  | 3.6             | (2.0, 5.5)   | 0.0010581     | (0.0005861, 0.0015844) | 0.01532     | (0.00852, 0.02305) |
| Papua    | Chronic respiratory diseases                  | 70  | 38.9            | (24.2, 57.5)  | 0.0089682     | (0.0055780, 0.0132695) | 0.14646     | (0.09860, 0.19994)  | 24.1            | (14.7, 36.2) | 0.0069949     | (0.0042644, 0.0105236) | 0.10116     | (0.06246, 0.14719) |
| Papua    | Other non-communicable diseases               | 70  | 24.9            | (16.3, 35.6)  | 0.0057357     | (0.0037613, 0.0082184) | 0.09376     | (0.06470, 0.12676)  | 23.9            | (16.4, 33.4) | 0.0069377     | (0.0047646, 0.0097118) | 0.10032     | (0.07058, 0.13369) |
| Papua    | Drowning                                      | 70  | 0.7             | (0.2, 1.9)    | 0.0001663     | (0.0000419, 0.0004491) | 0.00272     | (0.00073, 0.00696)  | 0.4             | (0.1, 1.0)   | 0.0001137     | (0.0000304, 0.0002950) | 0.00165     | (0.00046, 0.00425) |
| Papua    | Falls                                         | 70  | 3.2             | (1.0, 6.7)    | 0.0007488     | (0.0002397, 0.0015531) | 0.01226     | (0.00390, 0.02550)  | 1.9             | (0.7, 3.7)   | 0.0005545     | (0.0001960, 0.0010831) | 0.00803     | (0.00278, 0.01543) |
| Papua    | Interpersonal violence                        | 70  | 0.3             | (0.1, 0.7)    | 0.0000702     | (0.0000219, 0.0001643) | 0.00115     | (0.00038, 0.00262)  | 0.2             | (0.0, 0.4)   | 0.0000462     | (0.0000139, 0.0001172) | 0.00067     | (0.00020, 0.00172) |
| Papua    | Self-harm                                     | 70  | 0.5             | (0.2, 1.1)    | 0.0001092     | (0.0000359, 0.0002563) | 0.00178     | (0.00061, 0.00409)  | 0.2             | (0.1, 0.4)   | 0.0000542     | (0.0000176, 0.0001213) | 0.00079     | (0.00025, 0.00181) |
| Papua    | Transport injuries                            | 70  | 4.0             | (1.8, 7.3)    | 0.0009206     | (0.0004053, 0.0016935) | 0.01502     | (0.00688, 0.02683)  | 1.5             | (0.6, 2.9)   | 0.0004323     | (0.0001757, 0.0008351) | 0.00624     | (0.00259, 0.01172) |
| Papua    | Other unintentional injuries                  | 70  | 0.9             | (0.2, 2.6)    | 0.0002181     | (0.0000476, 0.0005988) | 0.00355     | (0.00080, 0.00973)  | 0.4             | (0.1, 1.1)   | 0.0001092     | (0.0000240, 0.0003104) | 0.00158     | (0.00036, 0.00450) |
| Papua    | Diarrheal diseases                            | 75  | 3.9             | (1.6, 6.8)    | 0.0018902     | (0.0007918, 0.0033176) | 0.02249     | (0.01007, 0.03849)  | 5.5             | (2.8, 9.1)   | 0.0035737     | (0.0018330, 0.0059003) | 0.03462     | (0.01792, 0.05540) |
| Papua    | HIV/AIDS                                      | 75  | 0.8             | (0.2, 2.3)    | 0.0004082     | (0.0001110, 0.0011382) | 0.00485     | (0.00128, 0.01252)  | 0.9             | (0.3, 2.0)   | 0.0005562     | (0.0001725, 0.0012928) | 0.00539     | (0.00171, 0.01220) |
| Papua    | Lower respiratory infections                  | 75  | 3.8             | (1.5, 7.5)    | 0.0018614     | (0.0007399, 0.0036602) | 0.02217     | (0.00919, 0.04186)  | 4.6             | (1.9, 8.6)   | 0.0030095     | (0.0012504, 0.0055990) | 0.02918     | (0.01224, 0.05385) |
| Papua    | Malaria                                       | 75  | 1.5             | (0.3, 3.8)    | 0.0007239     | (0.0001548, 0.0018430) | 0.00862     | (0.00184, 0.02189)  | 1.0             | (0.2, 2.9)   | 0.0006575     | (0.0001341, 0.0018576) | 0.00636     | (0.00127, 0.01786) |
| Papua    | Tuberculosis                                  | 75  | 33.3            | (24.4, 46.2)  | 0.0161778     | (0.0118434, 0.0224016) | 0.19264     | (0.15119, 0.23798)  | 26.2            | (18.8, 34.0) | 0.0169997     | (0.0122383, 0.0220491) | 0.16448     | (0.12235, 0.20762) |
| Papua    | Other communicable diseases                   | 75  | 1.9             | (0.8, 4.0)    | 0.0009443     | (0.0003727, 0.0019277) | 0.01121     | (0.00473, 0.02158)  | 2.2             | (0.9, 4.3)   | 0.0014196     | (0.0005832, 0.0027681) | 0.01374     | (0.00564, 0.02586) |
| Papua    | Tracheal, bronchus, and lung cancer           | 75  | 0.7             | (0.2, 1.9)    | 0.000         |                        |             |                     |                 |              |               |                        |             |                    |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                       |                                  |                             | Females                |                                  |                            |
|----------|----------------------------------------------------------|-----|-----------------------------|----------------------------------|-----------------------------|------------------------|----------------------------------|----------------------------|
|          |                                                          |     | Deaths (95% UI)             | CSMR (95% UI)                    | CF (95% UI)                 | Deaths (95% UI)        | CSMR (95% UI)                    | CF (95% UI)                |
| Papua    | Other cardiovascular and circulatory diseases            | 75  | 9.3<br>(4.5, 16.2)          | 0.0045077 (0.0021619, 0.0078389) | 0.05371 (0.02637, 0.09098)  | 9.3 (4.8, 15.9)        | 0.0060508 (0.0030856, 0.0103393) | 0.05863 (0.03042, 0.09885) |
| Papua    | Diabetes mellitus                                        | 75  | 4.3<br>(2.2, 7.3)           | 0.0021028 (0.0010894, 0.0035535) | 0.02501 (0.01391, 0.04061)  | 8.1 (4.7, 12.5)        | 0.005284 (0.0030455, 0.0081483)  | 0.05115 (0.03116, 0.07701) |
| Papua    | Chronic kidney disease                                   | 75  | 1.7<br>(1.0, 3.0)           | 0.0008478 (0.0004700, 0.0014538) | 0.01009 (0.00567, 0.01697)  | 1.7 (1.0, 2.7)         | 0.0010992 (0.0006607, 0.0017556) | 0.01064 (0.00640, 0.01678) |
| Papua    | Cirrhosis                                                | 75  | 3.2<br>(1.7, 5.3)           | 0.0015717 (0.0008031, 0.0025547) | 0.01871 (0.01010, 0.02840)  | 2.2 (1.2, 3.3)         | 0.0014061 (0.0007970, 0.0021206) | 0.01362 (0.00766, 0.02065) |
| Papua    | Chronic respiratory diseases                             | 75  | 25.8<br>(16.1, 38.4)        | 0.0125229 (0.0078255, 0.0186186) | 0.14884 (0.10182, 0.20304)  | 16.3 (10.2, 24.5)      | 0.0105841 (0.0066096, 0.0159374) | 0.10241 (0.06380, 0.14699) |
| Papua    | Other non-communicable diseases                          | 75  | 18.5<br>(12.0, 27.1)        | 0.0089597 (0.0058163, 0.0131271) | 0.10659 (0.07469, 0.14217)  | 18.3 (12.8, 24.9)      | 0.0118503 (0.0083042, 0.0161878) | 0.11464 (0.08099, 0.15035) |
| Papua    | Drowning                                                 | 75  | 0.7<br>(0.2, 1.7)           | 0.0003161 (0.0000770, 0.0008285) | 0.00376 (0.00099, 0.00979)  | 0.4 (0.1, 1.0)         | 0.0002449 (0.0000670, 0.0006287) | 0.00238 (0.00065, 0.00598) |
| Papua    | Falls                                                    | 75  | 2.5<br>(0.8, 4.8)           | 0.0011967 (0.0003898, 0.0023256) | 0.01426 (0.00479, 0.02715)  | 1.5 (0.6, 2.8)         | 0.0009778 (0.0003638, 0.0018160) | 0.00947 (0.00372, 0.01719) |
| Papua    | Interpersonal violence                                   | 75  | 0.2<br>(0.0, 0.4)           | 0.0000729 (0.0000168, 0.0002009) | 0.00087 (0.00020, 0.00237)  | 0.1 (0.0, 0.2)         | 0.0000478 (0.0000108, 0.0001377) | 0.00046 (0.00011, 0.00133) |
| Papua    | Self-harm                                                | 75  | 0.3<br>(0.1, 0.7)           | 0.0001362 (0.0000410, 0.0003348) | 0.00162 (0.00050, 0.00380)  | 0.1 (0.0, 0.2)         | 0.0000665 (0.0000188, 0.0001584) | 0.00064 (0.00019, 0.00156) |
| Papua    | Transport injuries                                       | 75  | 1.9<br>(0.7, 3.8)           | 0.0009365 (0.0003459, 0.0018627) | 0.01111 (0.00436, 0.02149)  | 0.7 (0.3, 1.5)         | 0.0004703 (0.0001713, 0.0009899) | 0.00455 (0.00168, 0.00936) |
| Papua    | Other unintentional injuries                             | 75  | 0.6<br>(0.1, 1.7)           | 0.0002822 (0.0000583, 0.0008474) | 0.00334 (0.000074, 0.00990) | 0.2 (0.0, 0.4)         | 0.0001477 (0.0000299, 0.0004552) | 0.00143 (0.00030, 0.00428) |
| Papua    | Diarrheal diseases                                       | 80  | 7.7<br>(3.8, 12.6)          | 0.0066287 (0.0032675, 0.0108116) | 0.04294 (0.02157, 0.06975)  | 10.4 (5.7, 16.5)       | 0.0093821 (0.0051153, 0.0149309) | 0.04854 (0.02616, 0.07705) |
| Papua    | HIV/AIDS                                                 | 80  | 1.0<br>(0.2, 3.0)           | 0.0008619 (0.0001953, 0.0026221) | 0.00558 (0.00128, 0.01692)  | 1.2 (0.3, 3.6)         | 0.0010782 (0.0002336, 0.0032375) | 0.00558 (0.00122, 0.01672) |
| Papua    | Lower respiratory infections                             | 80  | 5.1<br>(2.1, 9.9)           | 0.0044223 (0.0017898, 0.0085615) | 0.02867 (0.01200, 0.05423)  | 6.2 (2.4, 12.0)        | 0.0056367 (0.0021656, 0.0108208) | 0.02918 (0.01122, 0.05596) |
| Papua    | Malaria                                                  | 80  | 2.0<br>(0.4, 5.6)           | 0.0017289 (0.0003200, 0.0048209) | 0.0112 (0.00211, 0.03182)   | 1.7 (0.3, 5.4)         | 0.0015513 (0.0002758, 0.0048378) | 0.00801 (0.00143, 0.02491) |
| Papua    | Tuberculosis                                             | 80  | 36.8<br>(27.6, 47.8)        | 0.0316602 (0.0237535, 0.0411325) | 0.20519 (0.15746, 0.25406)  | 39.7 (28.7, 50.4)      | 0.0358378 (0.0259177, 0.0455285) | 0.18526 (0.13837, 0.23523) |
| Papua    | Other communicable diseases                              | 80  | 2.6<br>(1.0, 5.1)           | 0.0022289 (0.0008936, 0.0044187) | 0.01442 (0.00599, 0.02724)  | 2.5 (1.0, 4.9)         | 0.0022977 (0.0009278, 0.0044182) | 0.01188 (0.00481, 0.02330) |
| Papua    | Tracheal, bronchus, and lung cancer                      | 80  | 0.6<br>(0.1, 1.7)           | 0.000482 (0.0001067, 0.0014628)  | 0.00312 (0.00072, 0.00951)  | 0.2 (0.1, 0.7)         | 0.0002229 (0.0000471, 0.0006487) | 0.00115 (0.00024, 0.00341) |
| Papua    | Breast cancer                                            | 80  | -<br>(0.0, 0.1)             | 0.0000301 (0.0000053, 0.0001003) | 0.00019 (0.00003, 0.00064)  | 0.9 (0.3, 2.1)         | 0.0008554 (0.0002879, 0.0018569) | 0.00442 (0.00151, 0.00968) |
| Papua    | Cervical cancer                                          | 80  | -<br>(0.0, 0.1)             | 0.0000301 (0.0000053, 0.0001003) | 0.00019 (0.00003, 0.00064)  | 0.6 (0.1, 1.9)         | 0.0005682 (0.0001138, 0.0017553) | 0.00293 (0.00060, 0.00908) |
| Papua    | Other malignant neoplasms                                | 80  | 2.5<br>(1.3, 4.0)           | 0.0021172 (0.0011189, 0.0034696) | 0.01371 (0.00739, 0.02239)  | 2.6 (1.2, 4.4)         | 0.0023372 (0.0010565, 0.0040069) | 0.01209 (0.00540, 0.02078) |
| Papua    | Cerebrovascular disease                                  | 80  | 38.9<br>(28.3, 51.1)        | 0.0334636 (0.0243191, 0.0439735) | 0.2168 (0.16489, 0.26831)   | 54.6 (41.4, 68.7)      | 0.0493212 (0.0373704, 0.0619906) | 0.255 (0.19884, 0.31079)   |
| Papua    | Ischemic heart disease                                   | 80  | 13.5<br>(7.3, 21.5)         | 0.011588 (0.0063027, 0.0184988)  | 0.07509 (0.04290, 0.11848)  | 17.3 (9.8, 27.4)       | 0.0155957 (0.0088003, 0.0246894) | 0.08062 (0.04537, 0.12767) |
| Papua    | Other cardiovascular and circulatory diseases            | 80  | 8.6<br>(4.2, 14.6)          | 0.007393 (0.0036539, 0.0126060)  | 0.04794 (0.02418, 0.08021)  | 11.8 (6.0, 20.1)       | 0.0106618 (0.0054178, 0.0181460) | 0.05517 (0.02854, 0.09353) |
| Papua    | Diabetes mellitus                                        | 80  | 3.4<br>(1.9, 5.7)           | 0.0029419 (0.0016254, 0.0048740) | 0.01905 (0.01051, 0.03108)  | 9.1 (5.3, 14.0)        | 0.0081714 (0.0048191, 0.0126519) | 0.04226 (0.02539, 0.06489) |
| Papua    | Chronic kidney disease                                   | 80  | 1.4<br>(0.8, 2.4)           | 0.0012355 (0.0006717, 0.0020414) | 0.008 (0.00440, 0.01341)    | 2.1 (1.2, 3.3)         | 0.0018909 (0.0011087, 0.0029846) | 0.00978 (0.00581, 0.01553) |
| Papua    | Cirrhosis                                                | 80  | 2.7<br>(1.4, 4.3)           | 0.0023006 (0.0012120, 0.0036607) | 0.01491 (0.00810, 0.02293)  | 2.1 (1.2, 3.3)         | 0.0019375 (0.0011087, 0.0029616) | 0.01002 (0.00572, 0.01537) |
| Papua    | Chronic respiratory diseases                             | 80  | 26.7<br>(17.7, 37.5)        | 0.0229407 (0.0152133, 0.0323027) | 0.14854 (0.10210, 0.19915)  | 21.7 (13.1, 31.9)      | 0.0196122 (0.0118409, 0.0287698) | 0.1014 (0.06177, 0.14736)  |
| Papua    | Other non-communicable diseases                          | 80  | 19.9<br>(13.6, 27.5)        | 0.017129 (0.0116808, 0.0236370)  | 0.11098 (0.07859, 0.14926)  | 26.2 (18.6, 35.1)      | 0.0236103 (0.0167780, 0.0317223) | 0.12205 (0.08643, 0.15965) |
| Papua    | Drowning                                                 | 80  | 0.6<br>(0.1, 1.7)           | 0.0005094 (0.0001166, 0.0014428) | 0.0033 (0.00078, 0.00918)   | 0.3 (0.1, 0.8)         | 0.0002506 (0.0000561, 0.0006980) | 0.0013 (0.00030, 0.00363)  |
| Papua    | Falls                                                    | 80  | 3.0<br>(1.1, 5.5)           | 0.002553 (0.0009717, 0.0047332)  | 0.01655 (0.00649, 0.03042)  | 1.7 (0.7, 3.1)         | 0.0015488 (0.0006494, 0.0027691) | 0.00801 (0.00342, 0.01445) |
| Papua    | Interpersonal violence                                   | 80  | 0.1<br>(0.0, 0.4)           | 0.0000992 (0.0000154, 0.0003276) | 0.00064 (0.00010, 0.00211)  | 0.0 (0.0, 0.2)         | 0.0000797 (0.0000116, 0.0002661) | 0.00041 (0.00006, 0.00139) |
| Papua    | Self-harm                                                | 80  | 0.3<br>(0.1, 0.7)           | 0.0002212 (0.0000600, 0.0005660) | 0.00143 (0.00039, 0.00363)  | 0.2 (0.0, 0.4)         | 0.0001453 (0.0000353, 0.0003910) | 0.00075 (0.00019, 0.00196) |
| Papua    | Transport injuries                                       | 80  | 1.6<br>(0.5, 3.3)           | 0.0013633 (0.0004575, 0.0028399) | 0.00881 (0.00308, 0.01763)  | 0.6 (0.2, 1.4)         | 0.0005783 (0.0001816, 0.0012392) | 0.00299 (0.00096, 0.00640) |
| Papua    | Other unintentional injuries                             | 80  | 0.5<br>(0.1, 1.6)           | 0.0004524 (0.0000850, 0.0014013) | 0.00292 (0.00057, 0.00895)  | 0.3 (0.0, 0.8)         | 0.0002301 (0.0000426, 0.0007138) | 0.00119 (0.00022, 0.00373) |
| Papua    | Diarrheal diseases                                       | All | 179.3<br>(84.9, 311.4)      | 0.0001121 (0.0000531, 0.0001947) | 0.02327 (0.01112, 0.03907)  | 222.7 (110.6, 379.8)   | 0.0001566 (0.0000778, 0.0002671) | 0.03574 (0.01818, 0.06073) |
| Papua    | HIV/AIDS                                                 | All | 537.4<br>(318.8, 805.1)     | 0.000336 (0.0001993, 0.0005034)  | 0.06967 (0.04324, 0.09956)  | 424.2 (259.1, 633.3)   | 0.0002984 (0.0001823, 0.0004454) | 0.06797 (0.04287, 0.09820) |
| Papua    | Lower respiratory infections                             | All | 326.8<br>(179.2, 541.6)     | 0.0002043 (0.0001121, 0.0003387) | 0.04239 (0.02315, 0.06906)  | 259.2 (141.3, 431.0)   | 0.0001823 (0.0000994, 0.0003031) | 0.04158 (0.02293, 0.06765) |
| Papua    | Malaria                                                  | All | 92.7<br>(22.6, 230.4)       | 0.000058 (0.0000141, 0.0001441)  | 0.01205 (0.00302, 0.03081)  | 66.5 (15.3, 183.4)     | 0.0000468 (0.0000107, 0.0001290) | 0.01064 (0.00252, 0.02865) |
| Papua    | Tuberculosis                                             | All | 1,168.7<br>(870.9, 1,568.5) | 0.0007307 (0.0005446, 0.0009807) | 0.15154 (0.11759, 0.19206)  | 757.4 (523.0, 1,027.7) | 0.0005327 (0.0003678, 0.0007228) | 0.12136 (0.08997, 0.15575) |
| Papua    | Maternal disorders                                       | All | -<br>(0.0, 0.1)             | 0.0000301 (0.0000053, 0.0001003) | 0.00019 (0.00003, 0.00064)  | 174.4 (63.1, 331.3)    | 0.0001227 (0.0000444, 0.0002330) | 0.02795 (0.01030, 0.05049) |
| Papua    | Neonatal encephalopathy due to birth asphyxia and trauma | All | 155.5<br>(61.8, 288.1)      | 0.0000972 (0.0000387, 0.0001801) | 0.02014 (0.00810, 0.03678)  | 120.0 (49.7, 226.3)    | 0.0000844 (0.0000350, 0.0001591) | 0.01917 (0.00801, 0.03595) |
| Papua    | Preterm birth complications                              | All | 41.1<br>(8.1, 110.6)        | 0.0000257 (0.0000050, 0.0000692) | 0.00532 (0.00105, 0.01416)  | 43.5 (9.0, 111.5)      | 0.0000306 (0.0000063, 0.0000784) | 0.00697 (0.00146, 0.01865) |
| Papua    | Other neonatal disorders                                 | All | 55.4<br>(6.6, 163.6)        | 0.0000346 (0.0000041, 0.0001023) | 0.00717 (0.00086, 0.02184)  | 41.9 (4.5, 127.4)      | 0.0000294 (0.0000031, 0.0000896) | 0.0067 (0.00075, 0.02024)  |
| Papua    | Other communicable diseases                              | All | 468.6<br>(284.3, 685.9)     | 0.000293 (0.0001778, 0.0004289)  | 0.06079 (0.03779, 0.08625)  | 413.9 (251.7, 602.1)   | 0.0002911 (0.0001770, 0.0004235) | 0.06644 (0.04014, 0.09426) |
| Papua    | Tracheal, bronchus, and lung cancer                      | All | 31.0<br>(7.8, 80.6)         | 0.0000194 (0.0000049, 0.0000504) | 0.00402 (0.00102, 0.01077)  | 10.5 (2.3, 28.8)       | 0.0000074 (0.0000016, 0.0000203) | 0.00168 (0.00039, 0.00471) |
| Papua    | Breast cancer                                            | All | 3.6<br>(1.0, 9.1)           | 0.0000023 (0.0000006, 0.0000057) | 0.00047 (0.00013, 0.00115)  | 139.1 (50.8, 249.1)    | 0.0000978 (0.0000358, 0.0001752) | 0.00877 (0.00853, 0.03887) |
| Papua    | Cervical cancer                                          | All | -<br>(0.0, 0.1)             | 0.0000301 (0.0000053, 0.0001003) | 0.00019 (0.00003, 0.00064)  | 106.3 (30.0, 259.7)    | 0.0000747 (0.0000211, 0.0001827) | 0.017 (0.00485, 0.04066)   |
| Papua    | Other malignant neoplasms                                | All | 308.7<br>(178.1, 480.8)     | 0.000193 (0.0001113, 0.0003006)  | 0.03998 (0.02413, 0.06157)  | 199.0 (95.5, 332.9)    | 0.00014 (0.0000672, 0.0002341)   | 0.03186 (0.01517, 0.05157) |
| Papua    | Cerebrovascular disease                                  | All | 895.0<br>(627.5, 1,229.1)   | 0.0005596 (0.0003924, 0.0007685) | 0.11597 (0.08336, 0.14864)  | 823.6 (590.1, 1,097.8) | 0.0005792 (0.0004150, 0.0007721) | 0.13196 (0.09881, 0.16575) |
| Papua    | Ischemic heart disease                                   | All | 386.8<br>(211.8, 622.2)     | 0.0002419 (0.0001325, 0.0003890) | 0.05015 (0.02746, 0.07886)  | 251.4 (138.2, 406.7)   | 0.0001768 (0.0000972, 0.0002861) | 0.04027 (0.02199, 0.06482) |
| Papua    | Other cardiovascular and circulatory diseases            | All | 186.6<br>(87.0, 319.2)      | 0.0001167 (0.0000544, 0.0001996) | 0.02419 (0.01200, 0.04262)  | 172.1 (86.7, 302.0)    | 0.000121 (0.0000610, 0.0002124)  | 0.02762 (0.01412, 0.04689) |
| Papua    | Diabetes mellitus                                        | All | 198.8<br>(103.8, 320.7)     | 0.0001243 (0.0000649, 0.0002006) | 0.02576 (0.01401, 0.04022)  | 310.8 (179.7, 468.5)   | 0.0002186 (0.0001264, 0.0003295) | 0.04983 (0.02918, 0.07320) |
| Papua    | Chronic kidney disease                                   | All | 87.6<br>(48.1, 146.2)       | 0.0000548 (0.0000301, 0.0000914) | 0.01136 (0.00629, 0.01861)  | 79.1 (46.5, 128.6)     | 0.0000556 (0.0000327, 0.0000904) | 0.01267 (0.00756, 0.02004) |
| Papua    | Cirrhosis                                                | All | 265.8<br>(143.7, 411.5)     | 0.0001662 (0.0000898, 0.0002573) | 0.03443 (0.01968, 0.05107)  | 157.4 (88.8, 244.9)    | 0.0001077 (0.0000625, 0.0001722) | 0.02523 (0.01482, 0.03825) |
| Papua    | Chronic respiratory diseases                             | All | 403.3<br>(236.4, 625.6)     | 0.0002521 (0.0001478, 0.0003912) | 0.05222 (0.03122, 0.07890)  | 225.9 (126.3, 365.3)   | 0.0001588 (0.0000888, 0.0002569) | 0.03623 (0.02069, 0.05859) |
| Papua    | Other non-communicable diseases                          | All | 597.9<br>(413.9, 844.9)     | 0.0003739 (0.0002588, 0.0005283) | 0.07747 (0.05648, 0.10085)  | 566.2 (403.5, 768.2)   | 0.0003982 (0.0002438, 0.0005403) | 0.09071 (0.06753, 0.11561) |
| Papua    | Drowning                                                 | All | 277.1<br>(140.4, 480.6)     | 0.0001732 (0.0000878, 0.0003005) | 0.036 (0.01844, 0.06016)    | 146.5 (68.6, 272.8)    | 0.000103 (0.0000483, 0.0001919)  | 0.02355 (0.01074, 0.04240) |
| Papua    | Falls                                                    | All | 159.4<br>(46.2, 371.3)      | 0.0000997 (0.0000289, 0.0002322) | 0.02069 (0.00620, 0.04622)  | 99.0 (30.7, 226.1)     | 0.0000696 (0.0000216, 0.0001590) | 0.01588 (0.00493, 0.03525) |

Aim 2 Supplementary Tables

| Location | Cause group                  | Age | Males           |                  |               |                        | Females     |                    |                 |                |               |                        |             |                    |
|----------|------------------------------|-----|-----------------|------------------|---------------|------------------------|-------------|--------------------|-----------------|----------------|---------------|------------------------|-------------|--------------------|
|          |                              |     | Deaths (95% UI) |                  | CSMR (95% UI) |                        | CF (95% UI) |                    | Deaths (95% UI) |                | CSMR (95% UI) |                        | CF (95% UI) |                    |
| Papua    | Interpersonal violence       | All | 57.8            | (27.7, 111.2)    | 0.0000361     | (0.0000173, 0.0000695) | 0.00749     | (0.00368, 0.01424) | 37.0            | (14.5, 82.6)   | 0.000026      | (0.0000102, 0.0000581) | 0.00593     | (0.00238, 0.01294) |
| Papua    | Self-harm                    | All | 31.2            | (12.8, 63.6)     | 0.0000195     | (0.0000080, 0.0000398) | 0.00404     | (0.00169, 0.00801) | 14.7            | (5.4, 31.5)    | 0.0000103     | (0.0000038, 0.0000222) | 0.00236     | (0.00089, 0.00508) |
| Papua    | Transport injuries           | All | 696.4           | (450.2, 1,016.4) | 0.0004354     | (0.0002815, 0.0006355) | 0.09015     | (0.06203, 0.12499) | 332.0           | (204.6, 517.6) | 0.0002335     | (0.0001439, 0.0003640) | 0.05313     | (0.03353, 0.07767) |
| Papua    | Other unintentional injuries | All | 102.6           | (27.9, 254.7)    | 0.0000642     | (0.0000174, 0.0001593) | 0.01328     | (0.00363, 0.03318) | 45.6            | (12.0, 118.9)  | 0.0000321     | (0.0000084, 0.0000836) | 0.00729     | (0.00195, 0.01893) |

**Aim 2 Supplementary Tables**

Supplementary Table 7. Age-specific YLLs and YLLs per capita by sex and province for each cause group. (NN=0-27 days, PNN=28-364 days)

| Location  | Cause group                                              | Age | Males                              |                                 | Females                          |                                 |
|-----------|----------------------------------------------------------|-----|------------------------------------|---------------------------------|----------------------------------|---------------------------------|
|           |                                                          |     | YLLs (95% UI)                      | YLLs per capita (95% UI)        | YLLs (95% UI)                    | YLLs per capita (95% UI)        |
| Indonesia | Diarrheal diseases                                       | NN  | 51,286.8 (34,490.5, 71,641.2)      | 0.260450 (0.1751532, 0.3638155) | 42,004.4 (28,461.7, 59,755.0)    | 0.222803 (0.1509687, 0.3169569) |
| Indonesia | Lower respiratory infections                             | NN  | 442,688.7 (353,715.4, 536,790.1)   | 2.248107 (1.7962739, 2.7259820) | 264,622.0 (210,199.2, 331,810.0) | 1.403628 (1.1149540, 1.7600120) |
| Indonesia | Malaria                                                  | NN  | 1,665.6 (601.3, 3,608.7)           | 0.008458 (0.0030538, 0.0183259) | 978.6 (354.8, 2,069.9)           | 0.005191 (0.0018821, 0.0109795) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 1,090,555.0 (892,061.8, 1,309,915) | 5.538168 (4.5301590, 6.6521430) | 725,316.9 (583,343.1, 895,374.6) | 3.847280 (3.0942130, 4.7493129) |
| Indonesia | Preterm birth complications                              | NN  | 1,030,716.0 (836,568.7, 1,240,613) | 5.234289 (4.2483482, 6.3002062) | 893,876.3 (723,593.9, 1,085,815) | 4.741365 (3.8381410, 5.7594609) |
| Indonesia | Other neonatal disorders                                 | NN  | 419,461.6 (322,017.7, 521,644.1)   | 2.130153 (1.6353030, 2.6490660) | 265,474.0 (200,327.1, 338,175.1) | 1.408147 (1.0625900, 1.7937740) |
| Indonesia | Other communicable diseases                              | NN  | 53,958.1 (35,355.2, 79,078.9)      | 0.274016 (0.1795444, 0.4015866) | 31,395.3 (20,192.0, 46,566.6)    | 0.166529 (0.1071040, 0.2470019) |
| Indonesia | Other malignant neoplasms                                | NN  | 34,724.4 (20,805.2, 53,564.1)      | 0.176341 (0.1056550, 0.2720149) | 26,753.7 (15,540.0, 42,266.4)    | 0.141909 (0.0824285, 0.2241924) |
| Indonesia | Cerebrovascular disease                                  | NN  | 7,885.2 (2,572.3, 17,705.0)        | 0.040043 (0.0130629, 0.0899113) | 7,933.4 (2,673.6, 18,125.8)      | 0.042081 (0.0141815, 0.0961440) |
| Indonesia | Other cardiovascular and circulatory diseases            | NN  | 7,109.9 (2,233.0, 16,829.4)        | 0.036106 (0.0113396, 0.0854649) | 6,833.3 (2,237.8, 15,458.6)      | 0.036246 (0.0118700, 0.0819966) |
| Indonesia | Diabetes mellitus                                        | NN  | 2,151.0 (12.2, 16,824.3)           | 0.010924 (0.0000618, 0.0854389) | 2,515.1 (14.7, 17,575.2)         | 0.013341 (0.0000778, 0.0932234) |
| Indonesia | Other non-communicable diseases                          | NN  | 521,989.4 (421,192.3, 627,887.8)   | 2.650820 (2.1389420, 3.1886029) | 461,473.4 (372,968.8, 557,724.9) | 2.447782 (1.9783289, 2.9583261) |
| Indonesia | Drowning                                                 | NN  | 37,546.5 (21,079.6, 59,056.6)      | 0.190673 (0.1070484, 0.2999071) | 9,448.5 (4,856.9, 16,215.4)      | 0.050118 (0.0257625, 0.0860109) |
| Indonesia | Falls                                                    | NN  | 21,211.1 (11,524.5, 35,085.3)      | 0.107717 (0.0585251, 0.1781738) | 7,367.0 (3,852.0, 13,048.1)      | 0.039077 (0.0204322, 0.0692106) |
| Indonesia | Interpersonal violence                                   | NN  | 8,191.0 (3,526.5, 16,495.6)        | 0.041596 (0.0179088, 0.0837697) | 4,568.7 (1,783.8, 9,018.4)       | 0.024234 (0.0094618, 0.0478359) |
| Indonesia | Transport injuries                                       | NN  | 35,336.2 (20,293.7, 55,790.2)      | 0.179448 (0.1030573, 0.2833194) | 8,987.7 (4,819.0, 14,574.7)      | 0.047673 (0.0255615, 0.0773084) |
| Indonesia | Other unintentional injuries                             | NN  | 64,607.8 (41,165.1, 95,819.5)      | 0.328098 (0.2090487, 0.4866004) | 20,926.3 (13,199.3, 32,316.0)    | 0.110999 (0.0700128, 0.1714129) |
| Indonesia | Diarrheal diseases                                       | PNN | 16,993.3 (13,694.0, 20,790.3)      | 0.006914 (0.0055716, 0.0084589) | 18,576.9 (15,152.5, 22,387.1)    | 0.007895 (0.0064394, 0.0095139) |
| Indonesia | HIV/AIDS                                                 | PNN | 1,169.9 (666.4, 1,882.7)           | 0.000476 (0.0002711, 0.0007660) | 906.3 (465.7, 1,514.0)           | 0.000385 (0.0001979, 0.0006434) |
| Indonesia | Lower respiratory infections                             | PNN | 11,407.2 (9,395.7, 13,639.1)       | 0.004641 (0.0038228, 0.0055493) | 8,733.2 (7,033.1, 10,776.6)      | 0.003711 (0.0029889, 0.0045798) |
| Indonesia | Malaria                                                  | PNN | 573.9 (224.4, 1,176.1)             | 0.000234 (0.0000913, 0.0004785) | 463.4 (182.3, 946.1)             | 0.000197 (0.0000775, 0.0004021) |
| Indonesia | Tuberculosis                                             | PNN | 2,093.1 (1,446.2, 2,889.0)         | 0.000852 (0.0005884, 0.0011754) | 1,660.4 (1,105.2, 2,321.3)       | 0.000706 (0.0004697, 0.0009865) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 977.2 (383.2, 2,069.2)             | 0.000398 (0.0001559, 0.0008419) | 788.8 (285.0, 1,753.8)           | 0.000335 (0.0001211, 0.0007453) |
| Indonesia | Preterm birth complications                              | PNN | 2,400.0 (1,370.9, 3,919.0)         | 0.000977 (0.0005578, 0.0015945) | 2,858.5 (1,619.1, 4,582.7)       | 0.001215 (0.0006881, 0.0019475) |
| Indonesia | Other neonatal disorders                                 | PNN | 1,444.6 (632.0, 2,643.2)           | 0.000588 (0.0002571, 0.0010754) | 1,160.9 (509.3, 2,290.8)         | 0.000493 (0.0002164, 0.0009735) |
| Indonesia | Other communicable diseases                              | PNN | 19,848.4 (15,987.2, 24,159.2)      | 0.008076 (0.0065047, 0.0098296) | 15,268.5 (12,033.2, 18,682.8)    | 0.006489 (0.0051138, 0.0079397) |
| Indonesia | Other malignant neoplasms                                | PNN | 589.9 (348.0, 918.9)               | 0.000240 (0.0001416, 0.0003739) | 566.7 (337.6, 898.0)             | 0.000241 (0.0001435, 0.0003816) |
| Indonesia | Cerebrovascular disease                                  | PNN | 136.3 (46.1, 305.8)                | 0.000056 (0.0000187, 0.0001244) | 170.4 (57.5, 379.4)              | 0.000072 (0.0000244, 0.0001612) |
| Indonesia | Ischemic heart disease                                   | PNN | 77.9 (6.0, 347.4)                  | 0.000032 (0.0000025, 0.0001414) | 95.7 (7.5, 455.8)                | 0.000041 (0.0000032, 0.0001937) |
| Indonesia | Other cardiovascular and circulatory diseases            | PNN | 122.9 (39.0, 287.9)                | 0.000050 (0.0000159, 0.0001172) | 146.7 (48.1, 340.2)              | 0.000062 (0.0000204, 0.0001446) |
| Indonesia | Diabetes mellitus                                        | PNN | 38.0 (0.2, 290.9)                  | 0.000016 (0.0000001, 0.0001183) | 55.1 (0.3, 403.5)                | 0.000023 (0.0000001, 0.0001715) |
| Indonesia | Chronic kidney disease                                   | PNN | 617.9 (320.1, 1,071.5)             | 0.000251 (0.0001302, 0.0004360) | 600.0 (321.1, 1,069.5)           | 0.000255 (0.0001365, 0.0004545) |
| Indonesia | Other non-communicable diseases                          | PNN | 9,007.0 (7,385.8, 10,680.8)        | 0.003665 (0.0030050, 0.0043457) | 9,883.7 (8,169.1, 11,651.7)      | 0.004200 (0.0034717, 0.0049516) |
| Indonesia | Drowning                                                 | PNN | 812.6 (491.8, 1,242.9)             | 0.000331 (0.0002001, 0.0005057) | 256.8 (138.7, 413.4)             | 0.000109 (0.0000589, 0.0001757) |
| Indonesia | Falls                                                    | PNN | 436.0 (247.2, 691.7)               | 0.000177 (0.0001006, 0.0002814) | 184.3 (98.5, 314.5)              | 0.000078 (0.0000418, 0.0001336) |
| Indonesia | Interpersonal violence                                   | PNN | 168.2 (75.2, 327.1)                | 0.000068 (0.0000306, 0.0001331) | 118.8 (48.9, 228.9)              | 0.000051 (0.0000208, 0.0000973) |
| Indonesia | Transport injuries                                       | PNN | 750.1 (453.2, 1,129.8)             | 0.000305 (0.0001844, 0.0004597) | 235.7 (132.7, 366.2)             | 0.000100 (0.0000564, 0.0001556) |
| Indonesia | Other unintentional injuries                             | PNN | 1,297.6 (854.5, 1,839.9)           | 0.000528 (0.0003477, 0.0007486) | 530.4 (336.7, 793.5)             | 0.000225 (0.0001431, 0.0003372) |
| Indonesia | Diarrheal diseases                                       | 1   | 155,380.5 (112,264.1, 213,506.2)   | 0.015123 (0.0109262, 0.0207797) | 167,516.9 (128,411.7, 221,595.7) | 0.016984 (0.0130191, 0.0224667) |
| Indonesia | HIV/AIDS                                                 | 1   | 26,050.1 (14,529.4, 42,600.8)      | 0.002535 (0.0014141, 0.0041462) | 19,168.0 (10,203.8, 31,735.3)    | 0.001943 (0.0010345, 0.0032175) |
| Indonesia | Lower respiratory infections                             | 1   | 230,433.6 (177,850.4, 291,248.5)   | 0.022427 (0.0173095, 0.0283461) | 178,481.3 (139,840.7, 226,431.5) | 0.018096 (0.0141779, 0.0229570) |
| Indonesia | Malaria                                                  | 1   | 4,523.6 (1,644.8, 9,131.3)         | 0.000440 (0.0001601, 0.0008887) | 3,628.6 (1,434.3, 7,683.7)       | 0.000368 (0.0001454, 0.0007790) |
| Indonesia | Tuberculosis                                             | 1   | 47,006.2 (31,766.8, 66,986.1)      | 0.004575 (0.0030917, 0.0065195) | 37,256.3 (24,714.6, 53,084.4)    | 0.003777 (0.0025057, 0.0053820) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 10,459.0 (3,501.2, 23,026.5)       | 0.001018 (0.0003408, 0.0022411) | 7,872.4 (2,816.9, 17,473.2)      | 0.000798 (0.0002856, 0.0017715) |
| Indonesia | Preterm birth complications                              | 1   | 4,824.6 (1,158.2, 14,150.2)        | 0.000470 (0.0001127, 0.0013772) | 5,504.2 (1,321.6, 16,356.5)      | 0.000558 (0.0001340, 0.0016583) |
| Indonesia | Other neonatal disorders                                 | 1   | 2,333.1 (27.1, 16,683.3)           | 0.000227 (0.0000026, 0.0016237) | 1,717.8 (18.7, 12,601.0)         | 0.000174 (0.0000019, 0.0012776) |
| Indonesia | Other communicable diseases                              | 1   | 383,851.4 (300,164.3, 477,523.2)   | 0.037359 (0.0292138, 0.0464755) | 298,540.6 (233,580.8, 370,815.7) | 0.030268 (0.0236818, 0.0375955) |
| Indonesia | Other malignant neoplasms                                | 1   | 8,185.8 (4,749.6, 13,234.0)        | 0.000797 (0.0004623, 0.0012880) | 8,521.4 (4,964.6, 14,060.7)      | 0.000864 (0.0005033, 0.0014256) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Indonesia | Cerebrovascular disease                       | 1   | 2,118.5       | (707.1, 4,734.3)       | 0.000206                 | (0.0000688, 0.0004608) | 2,792.6       | (899.9, 6,312.6)       | 0.000283                 | (0.0000912, 0.0006400) |
| Indonesia | Ischemic heart disease                        | 1   | 1,216.5       | (97.3, 5,442.9)        | 0.000118                 | (0.0000095, 0.0005297) | 1,571.6       | (129.7, 7,104.1)       | 0.000159                 | (0.0000131, 0.0007203) |
| Indonesia | Other cardiovascular and circulatory diseases | 1   | 1,787.8       | (543.0, 4,085.9)       | 0.000174                 | (0.0000528, 0.0003977) | 2,266.3       | (700.8, 5,228.6)       | 0.000230                 | (0.0000711, 0.0005301) |
| Indonesia | Diabetes mellitus                             | 1   | 525.8         | (2.9, 3,979.5)         | 0.000051                 | (0.0000003, 0.0003873) | 816.9         | (4.7, 5,991.7)         | 0.000083                 | (0.0000005, 0.0006075) |
| Indonesia | Chronic kidney disease                        | 1   | 8,411.1       | (4,424.8, 15,366.6)    | 0.000819                 | (0.0004307, 0.0014956) | 8,675.1       | (4,557.6, 15,584.2)    | 0.000880                 | (0.0004621, 0.0015800) |
| Indonesia | Cirrhosis                                     | 1   | 12,264.4      | (5,101.0, 23,721.0)    | 0.001194                 | (0.0004965, 0.0023087) | 7,200.9       | (3,039.4, 14,229.8)    | 0.000730                 | (0.0003082, 0.0014427) |
| Indonesia | Chronic respiratory diseases                  | 1   | 23,698.3      | (12,111.0, 39,489.9)   | 0.002307                 | (0.0011787, 0.0038434) | 10,906.4      | (5,188.8, 19,452.4)    | 0.001106                 | (0.0005261, 0.0019722) |
| Indonesia | Other non-communicable diseases               | 1   | 126,762.8     | (97,532.7, 165,507.3)  | 0.012337                 | (0.0094925, 0.0161082) | 147,901.8     | (116,339.1, 185,565.6) | 0.014995                 | (0.0117952, 0.0188138) |
| Indonesia | Drowning                                      | 1   | 47,489.7      | (30,894.9, 69,012.0)   | 0.004622                 | (0.0030069, 0.0067167) | 15,516.8      | (9,190.8, 24,018.7)    | 0.001573                 | (0.0009318, 0.0024352) |
| Indonesia | Falls                                         | 1   | 17,394.6      | (10,112.0, 27,277.6)   | 0.001693                 | (0.0009842, 0.0026548) | 7,505.8       | (4,170.4, 12,157.4)    | 0.000761                 | (0.0004228, 0.0012326) |
| Indonesia | Interpersonal violence                        | 1   | 5,616.0       | (2,430.7, 10,728.8)    | 0.000547                 | (0.0002366, 0.0010442) | 4,172.5       | (1,852.6, 7,808.2)     | 0.000423                 | (0.0001878, 0.0007916) |
| Indonesia | Transport injuries                            | 1   | 38,409.2      | (24,896.5, 55,637.0)   | 0.003738                 | (0.0024231, 0.0054149) | 12,432.1      | (7,494.6, 18,802.7)    | 0.001260                 | (0.0007598, 0.0019063) |
| Indonesia | Other unintentional injuries                  | 1   | 45,132.4      | (30,085.9, 63,362.1)   | 0.004393                 | (0.0029281, 0.0061668) | 19,328.8      | (12,462.7, 28,927.8)   | 0.001960                 | (0.0012635, 0.0029329) |
| Indonesia | Diarrheal diseases                            | 5   | 71,791.6      | (53,815.4, 91,126.3)   | 0.005626                 | (0.0042171, 0.0071408) | 68,340.6      | (53,172.1, 84,630.2)   | 0.005685                 | (0.0044229, 0.0070397) |
| Indonesia | HIV/AIDS                                      | 5   | 9,344.4       | (3,692.7, 18,490.8)    | 0.000732                 | (0.0002894, 0.0014490) | 6,378.5       | (2,588.8, 12,431.2)    | 0.000531                 | (0.0002153, 0.0010340) |
| Indonesia | Lower respiratory infections                  | 5   | 74,361.3      | (56,191.0, 92,425.0)   | 0.005827                 | (0.0044032, 0.0072426) | 49,943.8      | (37,761.8, 62,503.7)   | 0.004154                 | (0.0031411, 0.0051992) |
| Indonesia | Malaria                                       | 5   | 2,095.3       | (779.5, 4,459.3)       | 0.000164                 | (0.0000611, 0.0003494) | 1,480.4       | (620.6, 3,023.8)       | 0.000123                 | (0.0000516, 0.0002515) |
| Indonesia | Tuberculosis                                  | 5   | 22,733.1      | (15,897.1, 31,141.4)   | 0.001781                 | (0.0012457, 0.0024403) | 15,825.4      | (11,153.4, 21,739.6)   | 0.001316                 | (0.0009278, 0.0018083) |
| Indonesia | Other communicable diseases                   | 5   | 180,064.7     | (152,179.5, 208,881.9) | 0.014110                 | (0.0119251, 0.0163684) | 123,461.2     | (103,880.1, 144,144.3) | 0.010270                 | (0.0086409, 0.0119901) |
| Indonesia | Other malignant neoplasms                     | 5   | 32,222.8      | (21,689.9, 46,387.8)   | 0.002525                 | (0.0016997, 0.0036350) | 29,500.2      | (20,659.3, 40,317.2)   | 0.002454                 | (0.0017185, 0.0033536) |
| Indonesia | Cerebrovascular disease                       | 5   | 5,835.3       | (2,915.1, 10,172.7)    | 0.000457                 | (0.0002284, 0.0007972) | 6,761.9       | (3,526.4, 11,037.1)    | 0.000563                 | (0.0002933, 0.0009181) |
| Indonesia | Ischemic heart disease                        | 5   | 3,901.5       | (1,589.0, 7,652.0)     | 0.000306                 | (0.0001245, 0.0005996) | 4,450.9       | (1,858.8, 8,168.9)     | 0.000370                 | (0.0001546, 0.0006795) |
| Indonesia | Other cardiovascular and circulatory diseases | 5   | 5,516.0       | (2,575.7, 10,606.0)    | 0.000432                 | (0.0002018, 0.0008311) | 5,982.8       | (3,049.6, 10,926.8)    | 0.000498                 | (0.0002537, 0.0009089) |
| Indonesia | Diabetes mellitus                             | 5   | 4,131.5       | (1,660.3, 8,766.0)     | 0.000324                 | (0.0001301, 0.0006869) | 5,906.0       | (2,540.7, 12,400.3)    | 0.000491                 | (0.0002113, 0.0010315) |
| Indonesia | Chronic kidney disease                        | 5   | 11,540.4      | (6,323.7, 19,348.8)    | 0.000904                 | (0.0004955, 0.0015162) | 10,678.0      | (6,014.7, 17,164.3)    | 0.000888                 | (0.0005003, 0.0014277) |
| Indonesia | Cirrhosis                                     | 5   | 21,413.5      | (12,961.4, 32,626.3)   | 0.001678                 | (0.0010157, 0.0025567) | 11,205.9      | (6,611.3, 16,995.6)    | 0.000932                 | (0.0005499, 0.0014137) |
| Indonesia | Chronic respiratory diseases                  | 5   | 12,470.1      | (7,215.8, 19,988.9)    | 0.000977                 | (0.0005654, 0.0015664) | 4,930.3       | (2,680.3, 8,012.3)     | 0.000410                 | (0.0002229, 0.0006665) |
| Indonesia | Other non-communicable diseases               | 5   | 76,277.8      | (59,412.0, 95,010.6)   | 0.005977                 | (0.0046556, 0.0074452) | 78,662.2      | (62,813.0, 95,073.1)   | 0.006543                 | (0.0052249, 0.0079083) |
| Indonesia | Drowning                                      | 5   | 115,290.1     | (90,557.4, 143,732.9)  | 0.009034                 | (0.0070963, 0.0112632) | 44,071.6      | (32,311.3, 57,277.6)   | 0.003666                 | (0.0026877, 0.0047644) |
| Indonesia | Falls                                         | 5   | 20,881.1      | (13,375.5, 30,709.9)   | 0.001636                 | (0.0010481, 0.0024065) | 9,929.2       | (6,582.6, 14,594.6)    | 0.000826                 | (0.0005476, 0.0012140) |
| Indonesia | Interpersonal violence                        | 5   | 3,131.9       | (1,364.9, 6,344.1)     | 0.000245                 | (0.0001070, 0.0004971) | 2,504.6       | (1,155.5, 4,844.0)     | 0.000208                 | (0.0000961, 0.0004029) |
| Indonesia | Transport injuries                            | 5   | 89,923.0      | (66,941.8, 112,243.4)  | 0.007047                 | (0.0052457, 0.0087956) | 33,671.9      | (24,061.1, 44,667.4)   | 0.002801                 | (0.0020014, 0.0037155) |
| Indonesia | Other unintentional injuries                  | 5   | 29,842.9      | (20,786.5, 41,769.7)   | 0.002339                 | (0.0016289, 0.0032732) | 13,788.3      | (9,699.9, 19,847.1)    | 0.001147                 | (0.0008069, 0.0016509) |
| Indonesia | Diarrheal diseases                            | 10  | 33,503.5      | (24,268.6, 44,744.5)   | 0.002695                 | (0.0019524, 0.0035997) | 30,427.5      | (21,999.8, 39,984.4)   | 0.002577                 | (0.0018631, 0.0033862) |
| Indonesia | HIV/AIDS                                      | 10  | 7,868.6       | (4,175.8, 13,460.5)    | 0.000633                 | (0.0003359, 0.0010829) | 5,108.0       | (2,719.6, 8,768.1)     | 0.000433                 | (0.0002303, 0.0007425) |
| Indonesia | Lower respiratory infections                  | 10  | 42,277.4      | (32,115.1, 54,383.0)   | 0.003401                 | (0.0025837, 0.0043752) | 26,427.4      | (20,268.6, 33,872.7)   | 0.002238                 | (0.0017165, 0.0028686) |
| Indonesia | Malaria                                       | 10  | 3,519.4       | (1,927.0, 6,057.5)     | 0.000283                 | (0.0001550, 0.0004873) | 2,504.5       | (1,368.9, 4,239.1)     | 0.000212                 | (0.0001159, 0.0003590) |
| Indonesia | Tuberculosis                                  | 10  | 43,812.8      | (33,090.8, 55,608.9)   | 0.003525                 | (0.0026622, 0.0044738) | 29,579.2      | (22,909.8, 37,336.1)   | 0.002505                 | (0.0019402, 0.0031619) |
| Indonesia | Maternal disorders                            | 10  |               |                        |                          |                        | 2,335.0       | (423.4, 5,956.6)       | 0.000198                 | (0.0000359, 0.0005044) |
| Indonesia | Other communicable diseases                   | 10  | 126,653.8     | (105,792.8, 146,921.7) | 0.010189                 | (0.0085111, 0.0118200) | 79,905.1      | (66,413.6, 93,355.0)   | 0.006767                 | (0.0056244, 0.0079059) |
| Indonesia | Other malignant neoplasms                     | 10  | 43,157.1      | (33,564.3, 54,671.7)   | 0.003472                 | (0.0027003, 0.0043984) | 38,988.6      | (31,465.2, 47,716.2)   | 0.003302                 | (0.0026647, 0.0040409) |
| Indonesia | Cerebrovascular disease                       | 10  | 8,885.9       | (5,640.4, 13,300.9)    | 0.000715                 | (0.0004538, 0.0010701) | 9,496.6       | (6,084.5, 13,603.5)    | 0.000804                 | (0.0005153, 0.0011520) |
| Indonesia | Ischemic heart disease                        | 10  | 8,885.5       | (5,696.6, 13,276.1)    | 0.000715                 | (0.0004583, 0.0010681) | 9,269.4       | (6,102.9, 13,546.5)    | 0.000785                 | (0.0005168, 0.0011472) |
| Indonesia | Other cardiovascular and circulatory diseases | 10  | 7,658.7       | (4,557.4, 12,221.0)    | 0.000616                 | (0.0003666, 0.0009832) | 7,893.3       | (4,879.5, 12,229.3)    | 0.000669                 | (0.0004132, 0.0010357) |
| Indonesia | Diabetes mellitus                             | 10  | 5,491.0       | (3,140.5, 9,020.8)     | 0.000442                 | (0.0002527, 0.0007257) | 7,486.3       | (4,328.8, 11,740.5)    | 0.000634                 | (0.0003666, 0.0009943) |
| Indonesia | Chronic kidney disease                        | 10  | 15,137.9      | (10,403.9, 20,954.4)   | 0.001218                 | (0.0008370, 0.0016858) | 13,612.8      | (9,300.5, 18,502.5)    | 0.001153                 | (0.0007876, 0.0015669) |
| Indonesia | Cirrhosis                                     | 10  | 22,994.7      | (16,976.0, 30,823.7)   | 0.001850                 | (0.0013657, 0.0024798) | 11,303.1      | (7,904.3, 15,520.8)    | 0.000957                 | (0.0006694, 0.0013144) |
| Indonesia | Chronic respiratory diseases                  | 10  | 20,744.9      | (14,271.1, 28,583.0)   | 0.001669                 | (0.0011481, 0.0022995) | 8,393.8       | (5,525.3, 12,314.5)    | 0.000711                 | (0.0004679, 0.0010429) |
| Indonesia | Other non-communicable diseases               | 10  | 82,596.0      | (69,448.6, 96,122.3)   | 0.006645                 | (0.0055872, 0.0077331) | 79,091.5      | (68,162.7, 91,545.2)   | 0.006698                 | (0.0057725, 0.0077527) |
| Indonesia | Drowning                                      | 10  | 58,446.6      | (43,588.4, 74,604.1)   | 0.004702                 | (0.0035067, 0.0060020) | 18,470.9      | (11,968.2, 26,380.9)   | 0.001564                 | (0.0010135, 0.0022341) |
| Indonesia | Falls                                         | 10  | 17,395.5      | (10,883.2, 27,363.2)   | 0.001400                 | (0.0008756, 0.0022014) | 7,160.1       | (4,572.5, 11,648.4)    | 0.000606                 | (0.0003872, 0.0009865) |
| Indonesia | Interpersonal violence                        | 10  | 4,553.5       | (2,719.2, 7,510.3)     | 0.000366                 | (0.0002188, 0.0006042) | 3,344.4       | (2,000.7, 5,368.1)     | 0.000283                 | (0.0001694, 0.0004546) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Indonesia | Self-harm                                     | 10  | 9,805.4       | (5,031.3, 16,895.8)    | 0.000789                 | (0.0004048, 0.0013593) | 6,114.2       | (3,256.7, 9,953.9)     | 0.000518                 | (0.0002758, 0.0008430) |
| Indonesia | Transport injuries                            | 10  | 127,652.6     | (105,458.2, 149,285.3) | 0.010270                 | (0.0084842, 0.0120101) | 43,915.7      | (34,292.8, 54,616.9)   | 0.003719                 | (0.0029041, 0.0046253) |
| Indonesia | Other unintentional injuries                  | 10  | 28,230.5      | (20,753.9, 37,032.8)   | 0.002271                 | (0.0016697, 0.0029793) | 11,620.0      | (8,316.6, 15,811.6)    | 0.000984                 | (0.0007043, 0.0013390) |
| Indonesia | Diarrheal diseases                            | 15  | 21,575.0      | (13,692.1, 31,227.1)   | 0.001903                 | (0.0012074, 0.0027536) | 15,159.8      | (9,758.8, 21,378.2)    | 0.001379                 | (0.0008879, 0.0019450) |
| Indonesia | HIV/AIDS                                      | 15  | 7,811.6       | (3,731.8, 14,414.5)    | 0.000689                 | (0.0003291, 0.0012711) | 3,966.7       | (1,829.2, 7,652.8)     | 0.000361                 | (0.0001664, 0.0006963) |
| Indonesia | Lower respiratory infections                  | 15  | 22,508.7      | (17,153.4, 29,527.6)   | 0.001985                 | (0.0015126, 0.0026037) | 10,438.5      | (7,560.2, 14,267.8)    | 0.000950                 | (0.0006878, 0.0012981) |
| Indonesia | Malaria                                       | 15  | 8,014.0       | (5,024.7, 12,225.7)    | 0.000707                 | (0.0004431, 0.0010781) | 4,846.4       | (2,695.1, 7,693.6)     | 0.000441                 | (0.0002452, 0.0007000) |
| Indonesia | Tuberculosis                                  | 15  | 78,859.1      | (63,939.6, 94,488.2)   | 0.006954                 | (0.0056381, 0.0083319) | 39,902.5      | (32,023.4, 49,212.1)   | 0.003630                 | (0.0029135, 0.0044774) |
| Indonesia | Maternal disorders                            | 15  |               |                        |                          |                        | 27,063.3      | (18,983.8, 37,929.0)   | 0.002462                 | (0.0017272, 0.0034509) |
| Indonesia | Other communicable diseases                   | 15  | 99,850.4      | (82,082.4, 118,733.4)  | 0.008805                 | (0.0072379, 0.0104698) | 47,966.7      | (38,546.5, 58,616.4)   | 0.004364                 | (0.0035070, 0.0053330) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 15  | 6,810.1       | (3,091.9, 12,682.0)    | 0.000601                 | (0.0002726, 0.0011183) | 2,175.9       | (882.4, 4,230.0)       | 0.000198                 | (0.0000803, 0.0003848) |
| Indonesia | Breast cancer                                 | 15  | 231.2         | (32.9, 833.7)          | 0.000020                 | (0.0000029, 0.0000735) | 5,738.4       | (1,979.8, 11,788.8)    | 0.000522                 | (0.0001801, 0.0010726) |
| Indonesia | Cervical cancer                               | 15  |               |                        |                          |                        | 4,672.1       | (1,780.5, 9,339.3)     | 0.000425                 | (0.0001620, 0.0008497) |
| Indonesia | Other malignant neoplasms                     | 15  | 52,369.5      | (42,356.4, 63,988.5)   | 0.004618                 | (0.0037349, 0.0056424) | 49,679.8      | (38,633.8, 61,282.0)   | 0.004520                 | (0.0035150, 0.0055755) |
| Indonesia | Cerebrovascular disease                       | 15  | 17,553.1      | (11,396.8, 25,463.2)   | 0.001548                 | (0.0010050, 0.0022453) | 15,492.5      | (9,754.7, 22,633.4)    | 0.001410                 | (0.0008875, 0.0020592) |
| Indonesia | Ischemic heart disease                        | 15  | 29,793.3      | (21,741.6, 39,655.9)   | 0.002627                 | (0.0019172, 0.0034968) | 21,989.6      | (15,848.1, 29,831.8)   | 0.002001                 | (0.0014419, 0.0027142) |
| Indonesia | Other cardiovascular and circulatory diseases | 15  | 12,470.6      | (7,478.5, 19,014.8)    | 0.001100                 | (0.0006594, 0.0016767) | 12,028.8      | (6,804.2, 18,927.6)    | 0.001094                 | (0.0006191, 0.0017221) |
| Indonesia | Diabetes mellitus                             | 15  | 9,491.2       | (5,607.8, 15,400.2)    | 0.000837                 | (0.0004945, 0.0013580) | 12,002.0      | (6,975.6, 18,991.4)    | 0.001092                 | (0.0006347, 0.0017279) |
| Indonesia | Chronic kidney disease                        | 15  | 23,717.3      | (16,460.0, 33,310.6)   | 0.002091                 | (0.0014514, 0.0029373) | 20,138.1      | (13,733.4, 28,617.9)   | 0.001832                 | (0.0012495, 0.0026037) |
| Indonesia | Cirrhosis                                     | 15  | 29,787.5      | (21,504.0, 41,650.2)   | 0.002627                 | (0.0018962, 0.0036727) | 13,680.0      | (9,196.8, 19,663.6)    | 0.001245                 | (0.0008367, 0.0017890) |
| Indonesia | Chronic respiratory diseases                  | 15  | 18,195.6      | (12,203.6, 25,584.4)   | 0.001605                 | (0.0010761, 0.0022560) | 8,633.2       | (5,415.9, 12,961.7)    | 0.000786                 | (0.0004927, 0.0011793) |
| Indonesia | Other non-communicable diseases               | 15  | 104,169.4     | (87,853.1, 120,686.4)  | 0.009186                 | (0.0077468, 0.0106420) | 87,012.1      | (73,196.5, 102,367.3)  | 0.007917                 | (0.0066596, 0.0093136) |
| Indonesia | Drowning                                      | 15  | 33,175.9      | (24,081.6, 44,289.4)   | 0.002925                 | (0.0021235, 0.0039054) | 9,540.8       | (6,036.1, 13,742.0)    | 0.000868                 | (0.0005492, 0.0012503) |
| Indonesia | Falls                                         | 15  | 16,459.3      | (11,336.1, 23,720.6)   | 0.001451                 | (0.0009996, 0.0020917) | 6,397.0       | (4,106.7, 9,735.8)     | 0.000582                 | (0.0003736, 0.0008858) |
| Indonesia | Interpersonal violence                        | 15  | 10,687.8      | (7,123.7, 15,603.1)    | 0.000942                 | (0.0006282, 0.0013759) | 7,696.1       | (4,654.0, 12,004.1)    | 0.000700                 | (0.0004234, 0.0010922) |
| Indonesia | Self-harm                                     | 15  | 19,659.1      | (13,739.4, 27,302.8)   | 0.001734                 | (0.0012115, 0.0024075) | 11,969.5      | (7,751.3, 17,560.6)    | 0.001089                 | (0.0007052, 0.0015977) |
| Indonesia | Transport injuries                            | 15  | 358,716.4     | (328,811.8, 391,855.8) | 0.031631                 | (0.0289943, 0.0345535) | 130,197.1     | (116,017.9, 145,425.0) | 0.011846                 | (0.0105555, 0.0132310) |
| Indonesia | Other unintentional injuries                  | 15  | 42,613.2      | (33,707.8, 52,180.9)   | 0.003758                 | (0.0029723, 0.0046013) | 16,453.1      | (11,923.1, 21,897.3)   | 0.001497                 | (0.0010848, 0.0019923) |
| Indonesia | Diarrheal diseases                            | 20  | 20,523.4      | (13,807.6, 29,410.1)   | 0.001942                 | (0.0013067, 0.0027832) | 13,152.8      | (8,836.3, 18,322.7)    | 0.001230                 | (0.0008261, 0.0017130) |
| Indonesia | HIV/AIDS                                      | 20  | 24,394.2      | (15,909.2, 35,621.3)   | 0.002309                 | (0.0015055, 0.0033709) | 11,540.3      | (7,400.1, 16,764.5)    | 0.001079                 | (0.0006918, 0.0015673) |
| Indonesia | Lower respiratory infections                  | 20  | 21,608.1      | (16,091.5, 27,543.8)   | 0.002045                 | (0.0015228, 0.0026065) | 8,070.7       | (5,660.3, 10,770.1)    | 0.000755                 | (0.0005292, 0.0010069) |
| Indonesia | Malaria                                       | 20  | 9,955.5       | (6,304.7, 14,585.6)    | 0.000942                 | (0.0005966, 0.0013803) | 5,212.7       | (2,928.1, 8,179.8)     | 0.000487                 | (0.0002737, 0.0007647) |
| Indonesia | Tuberculosis                                  | 20  | 153,940.0     | (133,003.0, 176,117.2) | 0.014568                 | (0.0125864, 0.0166664) | 59,179.9      | (49,371.7, 69,433.8)   | 0.005533                 | (0.0046159, 0.0064915) |
| Indonesia | Maternal disorders                            | 20  |               |                        |                          |                        | 47,227.0      | (36,763.0, 60,114.2)   | 0.004415                 | (0.0034370, 0.0056202) |
| Indonesia | Other communicable diseases                   | 20  | 121,898.6     | (102,633.2, 142,538.7) | 0.011536                 | (0.0097124, 0.0134888) | 54,140.2      | (44,357.1, 64,049.4)   | 0.005062                 | (0.0041470, 0.0059881) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 20  | 6,052.9       | (2,758.8, 11,813.6)    | 0.000573                 | (0.0002611, 0.0011179) | 3,356.1       | (1,684.9, 5,821.4)     | 0.000314                 | (0.0001575, 0.0005443) |
| Indonesia | Breast cancer                                 | 20  | 345.9         | (86.6, 901.4)          | 0.000033                 | (0.0000082, 0.0000853) | 16,649.3      | (10,452.9, 24,456.7)   | 0.001557                 | (0.0009773, 0.0022865) |
| Indonesia | Cervical cancer                               | 20  |               |                        |                          |                        | 9,772.8       | (5,767.8, 15,298.8)    | 0.000914                 | (0.0005392, 0.0014303) |
| Indonesia | Other malignant neoplasms                     | 20  | 49,268.2      | (40,100.0, 60,093.4)   | 0.004662                 | (0.0037948, 0.0056868) | 53,166.0      | (42,807.3, 64,266.7)   | 0.004971                 | (0.0040021, 0.0060084) |
| Indonesia | Cerebrovascular disease                       | 20  | 32,578.1      | (24,862.8, 40,850.1)   | 0.003083                 | (0.0023528, 0.0038658) | 24,132.5      | (18,831.2, 30,950.8)   | 0.002256                 | (0.0017606, 0.0028936) |
| Indonesia | Ischemic heart disease                        | 20  | 54,242.5      | (43,517.9, 68,315.3)   | 0.005133                 | (0.0041182, 0.0064649) | 25,697.8      | (20,030.3, 32,377.4)   | 0.002403                 | (0.0018727, 0.0030270) |
| Indonesia | Other cardiovascular and circulatory diseases | 20  | 18,779.0      | (13,514.1, 24,890.3)   | 0.001777                 | (0.0012789, 0.0023554) | 16,969.2      | (12,469.8, 22,331.8)   | 0.001587                 | (0.0011658, 0.0020878) |
| Indonesia | Diabetes mellitus                             | 20  | 9,344.8       | (6,011.3, 13,438.0)    | 0.000884                 | (0.0005689, 0.0012717) | 10,862.9      | (7,024.1, 15,851.7)    | 0.001016                 | (0.0006567, 0.0014820) |
| Indonesia | Chronic kidney disease                        | 20  | 36,566.7      | (28,582.1, 46,343.6)   | 0.003460                 | (0.0027048, 0.0043856) | 28,685.3      | (22,336.0, 36,839.6)   | 0.002682                 | (0.0020882, 0.0034442) |
| Indonesia | Cirrhosis                                     | 20  | 46,710.0      | (36,568.7, 57,952.7)   | 0.004420                 | (0.0034606, 0.0054842) | 20,432.8      | (15,388.1, 26,092.6)   | 0.001910                 | (0.0014387, 0.0024394) |
| Indonesia | Chronic respiratory diseases                  | 20  | 37,178.4      | (28,599.7, 47,009.4)   | 0.003518                 | (0.0027065, 0.0044486) | 20,739.2      | (15,771.9, 26,980.6)   | 0.001939                 | (0.0014745, 0.0025225) |
| Indonesia | Other non-communicable diseases               | 20  | 98,340.2      | (83,825.2, 115,312.7)  | 0.009306                 | (0.0079326, 0.0109123) | 73,600.0      | (63,387.3, 84,677.6)   | 0.006881                 | (0.0059262, 0.0079167) |
| Indonesia | Drowning                                      | 20  | 23,309.4      | (15,373.4, 33,264.9)   | 0.002206                 | (0.0014548, 0.0031479) | 6,178.3       | (3,712.2, 9,315.5)     | 0.000578                 | (0.0003471, 0.0008709) |
| Indonesia | Falls                                         | 20  | 16,098.4      | (11,002.7, 22,069.8)   | 0.001523                 | (0.0010412, 0.0020885) | 5,444.0       | (3,513.6, 8,132.3)     | 0.000509                 | (0.0003285, 0.0007603) |
| Indonesia | Interpersonal violence                        | 20  | 12,612.7      | (8,634.2, 18,384.9)    | 0.001194                 | (0.0008171, 0.0017398) | 7,503.1       | (4,654.3, 11,293.7)    | 0.000702                 | (0.0004351, 0.0010559) |
| Indonesia | Self-harm                                     | 20  | 19,450.7      | (13,985.8, 26,079.2)   | 0.001841                 | (0.0013235, 0.0024679) | 9,644.6       | (6,346.5, 13,999.0)    | 0.000902                 | (0.0005933, 0.0013088) |
| Indonesia | Transport injuries                            | 20  | 293,472.0     | (264,326.0, 322,206.5) | 0.027772                 | (0.0250138, 0.0304912) | 84,911.8      | (73,796.5, 96,854.2)   | 0.007939                 | (0.0068994, 0.0090551) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                      |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Indonesia | Other unintentional injuries                  | 20  | 46,243.0      | (37,725.0, 56,005.5)   | 0.004376                 | (0.0035700, 0.0052999) | 15,170.6      | (11,081.3, 19,956.1) | 0.001418                 | (0.0010360, 0.0018657) |
| Indonesia | Diarrheal diseases                            | 25  | 30,177.2      | (21,876.8, 41,138.1)   | 0.002655                 | (0.0019249, 0.0036196) | 18,184.7      | (13,113.7, 24,724.6) | 0.001595                 | (0.0011499, 0.0021681) |
| Indonesia | HIV/AIDS                                      | 25  | 45,392.2      | (34,090.9, 59,251.1)   | 0.003994                 | (0.0029995, 0.0052133) | 20,036.7      | (14,429.7, 26,260.7) | 0.001757                 | (0.0012653, 0.0023028) |
| Indonesia | Lower respiratory infections                  | 25  | 22,730.1      | (17,071.8, 28,864.2)   | 0.002000                 | (0.0015021, 0.0025397) | 8,149.0       | (5,933.4, 11,056.0)  | 0.000715                 | (0.0005203, 0.0009695) |
| Indonesia | Malaria                                       | 25  | 10,761.8      | (7,092.4, 15,727.0)    | 0.000947                 | (0.0006240, 0.0013838) | 5,491.5       | (3,284.2, 8,415.8)   | 0.000482                 | (0.0002880, 0.0007380) |
| Indonesia | Tuberculosis                                  | 25  | 212,174.1     | (187,189.9, 236,532.8) | 0.018668                 | (0.0164702, 0.0208117) | 74,263.2      | (63,675.4, 85,263.5) | 0.006512                 | (0.0055836, 0.0074767) |
| Indonesia | Maternal disorders                            | 25  |               |                        |                          |                        | 55,549.9      | (45,548.4, 67,210.6) | 0.004871                 | (0.0039941, 0.0058936) |
| Indonesia | Other communicable diseases                   | 25  | 134,494.7     | (115,867.3, 155,880.8) | 0.011834                 | (0.0101947, 0.0137154) | 56,616.4      | (47,412.8, 66,375.1) | 0.004965                 | (0.0041576, 0.0058204) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 25  | 7,832.2       | (3,759.9, 14,110.5)    | 0.000689                 | (0.0003308, 0.0012415) | 4,333.2       | (2,444.3, 7,012.0)   | 0.000380                 | (0.0002143, 0.0006149) |
| Indonesia | Breast cancer                                 | 25  | 412.8         | (134.7, 1,001.7)       | 0.000036                 | (0.0000118, 0.0000881) | 33,031.9      | (24,984.3, 42,045.1) | 0.002897                 | (0.0021908, 0.0036869) |
| Indonesia | Cervical cancer                               | 25  |               |                        |                          |                        | 16,666.9      | (11,303.3, 22,959.0) | 0.001462                 | (0.0009912, 0.0020132) |
| Indonesia | Other malignant neoplasms                     | 25  | 71,119.2      | (60,908.6, 82,748.0)   | 0.006258                 | (0.0053591, 0.0072807) | 57,743.9      | (48,090.4, 67,108.0) | 0.005064                 | (0.0042170, 0.0058846) |
| Indonesia | Cerebrovascular disease                       | 25  | 59,963.4      | (50,424.5, 69,578.8)   | 0.005276                 | (0.0044367, 0.0061220) | 39,459.9      | (33,453.3, 45,992.4) | 0.003460                 | (0.0029335, 0.0040330) |
| Indonesia | Ischemic heart disease                        | 25  | 103,542.5     | (90,116.4, 118,936.9)  | 0.009110                 | (0.0079290, 0.0104648) | 41,212.8      | (34,885.1, 48,203.2) | 0.003614                 | (0.0030590, 0.0042269) |
| Indonesia | Other cardiovascular and circulatory diseases | 25  | 25,608.4      | (20,467.8, 31,491.5)   | 0.002253                 | (0.0018009, 0.0027708) | 21,095.5      | (16,892.7, 26,123.6) | 0.001850                 | (0.0014813, 0.0022907) |
| Indonesia | Diabetes mellitus                             | 25  | 16,700.1      | (12,651.4, 21,569.7)   | 0.001469                 | (0.0011132, 0.0018978) | 16,957.0      | (12,959.2, 21,224.3) | 0.001487                 | (0.0011364, 0.0018611) |
| Indonesia | Chronic kidney disease                        | 25  | 44,134.8      | (36,762.7, 52,226.1)   | 0.003883                 | (0.0032346, 0.0045952) | 30,006.8      | (24,795.0, 35,626.0) | 0.002631                 | (0.0021742, 0.0031240) |
| Indonesia | Cirrhosis                                     | 25  | 68,230.1      | (58,175.5, 79,945.6)   | 0.006003                 | (0.0051186, 0.0070341) | 26,686.8      | (21,882.5, 31,925.7) | 0.002340                 | (0.0019189, 0.0027995) |
| Indonesia | Chronic respiratory diseases                  | 25  | 47,131.7      | (38,529.5, 56,449.0)   | 0.004147                 | (0.0033901, 0.0049667) | 24,722.2      | (19,823.7, 30,321.5) | 0.002168                 | (0.0017383, 0.0026589) |
| Indonesia | Other non-communicable diseases               | 25  | 118,318.0     | (104,759.7, 132,816.2) | 0.010410                 | (0.0092174, 0.0116860) | 79,923.0      | (70,418.3, 89,948.7) | 0.007008                 | (0.0061749, 0.0078875) |
| Indonesia | Drowning                                      | 25  | 15,724.1      | (8,884.6, 24,587.8)    | 0.001384                 | (0.0007817, 0.0021634) | 3,996.2       | (2,230.6, 6,600.3)   | 0.000350                 | (0.0001956, 0.0005788) |
| Indonesia | Falls                                         | 25  | 23,149.9      | (16,788.7, 31,646.3)   | 0.002037                 | (0.0014772, 0.0027844) | 7,084.7       | (4,936.9, 9,971.4)   | 0.000621                 | (0.0004329, 0.0008744) |
| Indonesia | Interpersonal violence                        | 25  | 12,942.4      | (9,018.6, 18,591.4)    | 0.001139                 | (0.0007935, 0.0016358) | 6,602.8       | (4,176.8, 9,699.1)   | 0.000579                 | (0.0003663, 0.0008505) |
| Indonesia | Self-harm                                     | 25  | 18,363.1      | (13,430.8, 24,217.4)   | 0.001616                 | (0.0011817, 0.0021308) | 7,675.2       | (5,273.6, 10,936.3)  | 0.000673                 | (0.0004624, 0.0009590) |
| Indonesia | Transport injuries                            | 25  | 206,380.9     | (181,023.6, 234,262.8) | 0.018159                 | (0.0159276, 0.0206119) | 49,083.1      | (41,812.1, 57,934.3) | 0.004304                 | (0.0036665, 0.0050802) |
| Indonesia | Other unintentional injuries                  | 25  | 56,144.3      | (46,104.2, 69,400.3)   | 0.004940                 | (0.0040565, 0.0061063) | 16,077.8      | (12,169.4, 20,667.7) | 0.001410                 | (0.0010671, 0.0018123) |
| Indonesia | Diarrheal diseases                            | 30  | 29,823.3      | (21,818.4, 39,453.1)   | 0.002801                 | (0.0020489, 0.0037050) | 18,141.1      | (13,271.8, 23,660.5) | 0.001724                 | (0.0012612, 0.0022484) |
| Indonesia | HIV/AIDS                                      | 30  | 41,057.2      | (31,684.3, 51,093.1)   | 0.003856                 | (0.0029754, 0.0047981) | 18,653.0      | (13,986.5, 24,226.7) | 0.001773                 | (0.0013291, 0.0023022) |
| Indonesia | Lower respiratory infections                  | 30  | 18,618.0      | (14,395.9, 23,329.3)   | 0.001748                 | (0.0013519, 0.0021908) | 7,156.6       | (5,369.6, 9,459.8)   | 0.000680                 | (0.0005103, 0.0008989) |
| Indonesia | Malaria                                       | 30  | 8,130.1       | (5,389.3, 12,010.8)    | 0.000764                 | (0.0005061, 0.0011279) | 4,117.9       | (2,487.4, 6,528.1)   | 0.000391                 | (0.0002364, 0.0006204) |
| Indonesia | Tuberculosis                                  | 30  | 184,032.0     | (162,341.1, 204,723.0) | 0.017282                 | (0.0152453, 0.0192253) | 64,678.7      | (55,758.0, 74,099.2) | 0.006146                 | (0.0052986, 0.0070415) |
| Indonesia | Maternal disorders                            | 30  |               |                        |                          |                        | 56,017.3      | (45,592.0, 67,177.2) | 0.005323                 | (0.0043325, 0.0063837) |
| Indonesia | Other communicable diseases                   | 30  | 84,820.8      | (70,601.9, 100,672.0)  | 0.007965                 | (0.0066302, 0.0094540) | 36,290.9      | (29,210.6, 43,738.4) | 0.003449                 | (0.0027758, 0.0041564) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 30  | 14,182.2      | (7,852.7, 24,975.2)    | 0.001332                 | (0.0007374, 0.0023454) | 4,567.3       | (2,817.8, 6,840.2)   | 0.000434                 | (0.0002678, 0.0006500) |
| Indonesia | Breast cancer                                 | 30  | 509.7         | (153.1, 1,357.2)       | 0.000048                 | (0.0000144, 0.0001275) | 47,484.3      | (38,506.3, 56,697.0) | 0.004512                 | (0.0036592, 0.0053878) |
| Indonesia | Cervical cancer                               | 30  |               |                        |                          |                        | 24,376.6      | (17,946.1, 31,383.3) | 0.002317                 | (0.0017054, 0.0029823) |
| Indonesia | Other malignant neoplasms                     | 30  | 85,109.2      | (73,850.3, 96,974.9)   | 0.007993                 | (0.0069352, 0.0091068) | 55,202.8      | (46,999.4, 65,110.0) | 0.005246                 | (0.0044663, 0.0061873) |
| Indonesia | Cerebrovascular disease                       | 30  | 85,100.3      | (74,734.2, 95,947.3)   | 0.007992                 | (0.0070182, 0.0090103) | 59,173.0      | (52,249.4, 66,618.9) | 0.005623                 | (0.0049651, 0.0063307) |
| Indonesia | Ischemic heart disease                        | 30  | 132,255.4     | (118,191.8, 147,427.6) | 0.012420                 | (0.0110993, 0.0138448) | 54,964.3      | (48,313.7, 62,230.1) | 0.005223                 | (0.0045911, 0.0059136) |
| Indonesia | Other cardiovascular and circulatory diseases | 30  | 28,147.5      | (23,185.6, 33,817.8)   | 0.002643                 | (0.0021773, 0.0031758) | 24,108.0      | (19,666.2, 29,141.9) | 0.002291                 | (0.0018688, 0.0027693) |
| Indonesia | Diabetes mellitus                             | 30  | 24,827.0      | (20,334.6, 30,255.1)   | 0.002332                 | (0.0019096, 0.0028412) | 25,431.9      | (20,697.7, 30,046.8) | 0.002417                 | (0.0019669, 0.0028553) |
| Indonesia | Chronic kidney disease                        | 30  | 43,338.3      | (36,988.1, 50,681.0)   | 0.004070                 | (0.0034735, 0.0047594) | 29,779.4      | (25,052.4, 34,667.7) | 0.002830                 | (0.0023807, 0.0032944) |
| Indonesia | Cirrhosis                                     | 30  | 81,102.8      | (70,966.8, 93,697.1)   | 0.007616                 | (0.0066644, 0.0087990) | 33,317.7      | (28,104.5, 38,955.0) | 0.003166                 | (0.0026707, 0.0037018) |
| Indonesia | Chronic respiratory diseases                  | 30  | 44,268.8      | (36,128.0, 52,821.9)   | 0.004157                 | (0.0033927, 0.0049605) | 23,924.2      | (19,441.0, 28,957.5) | 0.002274                 | (0.0018474, 0.0027518) |
| Indonesia | Other non-communicable diseases               | 30  | 111,044.6     | (98,942.0, 124,417.5)  | 0.010428                 | (0.0092915, 0.0116839) | 78,775.5      | (70,252.0, 87,955.7) | 0.007486                 | (0.0066759, 0.0083582) |
| Indonesia | Drowning                                      | 30  | 16,101.8      | (10,244.2, 23,396.7)   | 0.001512                 | (0.0009620, 0.0021972) | 4,768.1       | (2,771.7, 7,133.1)   | 0.000453                 | (0.0002634, 0.0006778) |
| Indonesia | Falls                                         | 30  | 24,756.1      | (18,406.9, 33,189.9)   | 0.002325                 | (0.0017286, 0.0031168) | 8,581.1       | (6,095.9, 11,779.3)  | 0.000815                 | (0.0005793, 0.0011194) |
| Indonesia | Interpersonal violence                        | 30  | 9,185.4       | (6,236.8, 12,990.6)    | 0.000863                 | (0.0005857, 0.0012199) | 4,819.8       | (3,089.8, 7,142.3)   | 0.000458                 | (0.0002936, 0.0006787) |
| Indonesia | Self-harm                                     | 30  | 12,728.4      | (9,178.0, 16,494.9)    | 0.001195                 | (0.0008619, 0.0015490) | 5,455.9       | (3,738.0, 7,813.4)   | 0.000519                 | (0.0003552, 0.0007425) |
| Indonesia | Transport injuries                            | 30  | 161,016.2     | (142,263.4, 182,893.2) | 0.015121                 | (0.0133598, 0.0171753) | 41,434.9      | (34,739.6, 48,854.1) | 0.003938                 | (0.0033012, 0.0046425) |
| Indonesia | Other unintentional injuries                  | 30  | 46,643.6      | (38,031.9, 56,839.5)   | 0.004380                 | (0.0035715, 0.0053377) | 14,409.5      | (10,951.9, 18,510.4) | 0.001369                 | (0.0010407, 0.0017590) |
| Indonesia | Diarrheal diseases                            | 35  | 24,941.1      | (18,357.3, 33,403.1)   | 0.002494                 | (0.0018354, 0.0033397) | 19,292.1      | (14,307.8, 25,487.4) | 0.001977                 | (0.0014663, 0.0026120) |



Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Indonesia | HIV/AIDS                                      | 35  | 35,131.9      | (26,963.3, 44,340.9)   | 0.003513                 | (0.0026958, 0.0044333) | 18,698.3      | (13,764.9, 24,975.5)   | 0.001916                 | (0.0014107, 0.0025596) |
| Indonesia | Lower respiratory infections                  | 35  | 18,691.6      | (14,737.0, 23,441.2)   | 0.001869                 | (0.0014734, 0.0023437) | 9,225.9       | (6,916.2, 11,924.0)    | 0.000946                 | (0.0007088, 0.0012220) |
| Indonesia | Malaria                                       | 35  | 6,706.7       | (4,371.3, 9,855.3)     | 0.000671                 | (0.0004371, 0.0009853) | 4,059.4       | (2,489.2, 6,160.9)     | 0.000416                 | (0.0002551, 0.0006314) |
| Indonesia | Tuberculosis                                  | 35  | 184,228.3     | (165,079.6, 206,228.0) | 0.018420                 | (0.0165050, 0.0206191) | 76,210.3      | (65,475.2, 87,656.8)   | 0.007810                 | (0.0067102, 0.0089834) |
| Indonesia | Maternal disorders                            | 35  |               |                        |                          |                        | 47,958.9      | (38,109.6, 58,889.1)   | 0.004915                 | (0.0039056, 0.0060352) |
| Indonesia | Other communicable diseases                   | 35  | 72,465.2      | (59,755.2, 85,723.8)   | 0.007245                 | (0.0059744, 0.0085708) | 39,611.8      | (32,291.7, 47,747.0)   | 0.004060                 | (0.0033094, 0.0048933) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 35  | 10,804.8      | (6,120.4, 17,481.1)    | 0.001080                 | (0.0006119, 0.0017478) | 6,077.7       | (4,062.3, 8,615.6)     | 0.000623                 | (0.0004163, 0.0008830) |
| Indonesia | Breast cancer                                 | 35  | 932.5         | (319.1, 2,229.9)       | 0.000093                 | (0.0000319, 0.0002229) | 68,290.5      | (58,077.1, 79,172.7)   | 0.006999                 | (0.0059520, 0.0081139) |
| Indonesia | Cervical cancer                               | 35  |               |                        |                          |                        | 39,983.4      | (31,076.3, 49,033.4)   | 0.004098                 | (0.0031848, 0.0050251) |
| Indonesia | Other malignant neoplasms                     | 35  | 114,574.3     | (102,136.3, 128,778.7) | 0.011455                 | (0.0102118, 0.0128755) | 60,703.8      | (51,387.9, 70,395.8)   | 0.006221                 | (0.0052664, 0.0072144) |
| Indonesia | Cerebrovascular disease                       | 35  | 132,353.8     | (118,528.3, 146,650.0) | 0.013233                 | (0.0118507, 0.0146623) | 99,887.8      | (89,443.0, 111,231.3)  | 0.010237                 | (0.0091665, 0.0113994) |
| Indonesia | Ischemic heart disease                        | 35  | 180,516.1     | (164,943.0, 197,675.6) | 0.018048                 | (0.0164913, 0.0197640) | 82,569.9      | (73,225.7, 92,695.7)   | 0.008462                 | (0.0075045, 0.0094998) |
| Indonesia | Other cardiovascular and circulatory diseases | 35  | 35,539.3      | (30,285.3, 41,559.6)   | 0.003553                 | (0.0030280, 0.0041552) | 32,024.0      | (26,854.9, 37,893.1)   | 0.003282                 | (0.0027522, 0.0038834) |
| Indonesia | Diabetes mellitus                             | 35  | 44,722.3      | (37,700.2, 52,462.8)   | 0.004471                 | (0.0037693, 0.0052453) | 47,668.7      | (39,927.9, 55,684.8)   | 0.004885                 | (0.0040920, 0.0057068) |
| Indonesia | Chronic kidney disease                        | 35  | 49,942.5      | (43,201.9, 57,283.6)   | 0.004993                 | (0.0043194, 0.0057273) | 35,266.5      | (30,253.0, 40,651.4)   | 0.003614                 | (0.0031004, 0.0041661) |
| Indonesia | Cirrhosis                                     | 35  | 99,773.9      | (88,742.8, 114,662.7)  | 0.009976                 | (0.0088727, 0.0114642) | 44,310.3      | (38,317.0, 51,003.0)   | 0.004541                 | (0.0039269, 0.0052270) |
| Indonesia | Chronic respiratory diseases                  | 35  | 53,460.8      | (44,951.3, 62,584.5)   | 0.005345                 | (0.0044943, 0.0062573) | 28,755.7      | (23,783.5, 34,082.1)   | 0.002947                 | (0.0024374, 0.0034929) |
| Indonesia | Other non-communicable diseases               | 35  | 113,677.9     | (102,190.4, 126,487.2) | 0.011366                 | (0.0102172, 0.0126464) | 86,758.6      | (77,288.2, 96,717.0)   | 0.008891                 | (0.0079208, 0.0099119) |
| Indonesia | Drowning                                      | 35  | 19,851.0      | (13,133.1, 28,811.5)   | 0.001985                 | (0.0013131, 0.0028806) | 7,131.0       | (4,420.7, 10,534.5)    | 0.000731                 | (0.0004531, 0.0010796) |
| Indonesia | Falls                                         | 35  | 24,813.5      | (18,523.0, 32,136.8)   | 0.002481                 | (0.0018520, 0.0032131) | 10,139.5      | (7,232.0, 13,698.4)    | 0.001039                 | (0.0007412, 0.0014039) |
| Indonesia | Interpersonal violence                        | 35  | 7,713.0       | (5,240.2, 11,051.0)    | 0.000771                 | (0.0005239, 0.0011049) | 4,312.4       | (2,609.1, 6,399.1)     | 0.000442                 | (0.0002674, 0.0006558) |
| Indonesia | Self-harm                                     | 35  | 11,580.9      | (8,202.5, 15,252.6)    | 0.001158                 | (0.0008201, 0.0015250) | 5,210.3       | (3,542.5, 7,251.1)     | 0.000534                 | (0.0003630, 0.0007431) |
| Indonesia | Transport injuries                            | 35  | 128,599.0     | (111,864.0, 146,624.8) | 0.012858                 | (0.0111844, 0.0146598) | 37,247.9      | (30,763.6, 44,254.2)   | 0.003817                 | (0.0031528, 0.0045353) |
| Indonesia | Other unintentional injuries                  | 35  | 43,187.9      | (35,019.1, 52,701.6)   | 0.004318                 | (0.0035013, 0.0052692) | 14,904.4      | (11,353.8, 18,878.7)   | 0.001528                 | (0.0011636, 0.0019348) |
| Indonesia | Diarrheal diseases                            | 40  | 26,125.2      | (19,580.8, 33,475.3)   | 0.002932                 | (0.0021971, 0.0037562) | 23,627.2      | (18,388.3, 29,555.4)   | 0.002706                 | (0.0021060, 0.0033850) |
| Indonesia | HIV/AIDS                                      | 40  | 18,714.9      | (13,686.5, 24,444.6)   | 0.002100                 | (0.0015357, 0.0027429) | 11,675.2      | (8,372.2, 15,772.3)    | 0.001337                 | (0.0009589, 0.0018064) |
| Indonesia | Lower respiratory infections                  | 40  | 17,571.1      | (14,141.7, 21,607.6)   | 0.001972                 | (0.0015868, 0.0024245) | 10,663.2      | (8,188.5, 13,489.1)    | 0.001221                 | (0.0009378, 0.0015449) |
| Indonesia | Malaria                                       | 40  | 6,307.9       | (4,143.5, 9,095.0)     | 0.000708                 | (0.0004649, 0.0010205) | 4,060.6       | (2,544.8, 6,187.3)     | 0.000465                 | (0.0002915, 0.0007086) |
| Indonesia | Tuberculosis                                  | 40  | 164,488.7     | (147,152.7, 183,384.2) | 0.018457                 | (0.0165117, 0.0205772) | 77,058.5      | (67,237.7, 87,224.3)   | 0.008826                 | (0.0077009, 0.0099900) |
| Indonesia | Maternal disorders                            | 40  |               |                        |                          |                        | 15,137.1      | (10,515.4, 21,158.8)   | 0.001734                 | (0.0012043, 0.0024234) |
| Indonesia | Other communicable diseases                   | 40  | 67,727.3      | (56,591.4, 80,309.3)   | 0.007600                 | (0.0063500, 0.0090113) | 44,564.4      | (36,493.3, 53,260.9)   | 0.005104                 | (0.0041797, 0.0061001) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 40  | 18,974.8      | (13,866.8, 25,411.4)   | 0.002129                 | (0.0015560, 0.0028514) | 7,391.4       | (5,289.6, 10,161.9)    | 0.000847                 | (0.0006058, 0.0011639) |
| Indonesia | Breast cancer                                 | 40  | 1,664.9       | (649.2, 3,405.9)       | 0.000187                 | (0.0000728, 0.0003822) | 84,128.6      | (73,469.1, 96,582.9)   | 0.009635                 | (0.0084146, 0.0110619) |
| Indonesia | Cervical cancer                               | 40  |               |                        |                          |                        | 51,663.1      | (42,150.5, 62,578.1)   | 0.005917                 | (0.0048276, 0.0071672) |
| Indonesia | Other malignant neoplasms                     | 40  | 147,607.4     | (131,522.3, 164,770.8) | 0.016563                 | (0.0147579, 0.0184886) | 61,842.9      | (52,931.8, 72,337.9)   | 0.007083                 | (0.0060624, 0.0082850) |
| Indonesia | Cerebrovascular disease                       | 40  | 206,319.4     | (189,388.1, 225,722.8) | 0.023151                 | (0.0212508, 0.0253279) | 150,671.7     | (137,782.1, 164,400.9) | 0.017257                 | (0.0157805, 0.0188292) |
| Indonesia | Ischemic heart disease                        | 40  | 261,776.6     | (241,577.3, 284,345.4) | 0.029373                 | (0.0271069, 0.0319058) | 117,098.3     | (106,067.6, 129,733.4) | 0.013412                 | (0.0121482, 0.0148587) |
| Indonesia | Other cardiovascular and circulatory diseases | 40  | 49,274.1      | (42,451.2, 57,162.9)   | 0.005529                 | (0.0047634, 0.0064141) | 41,699.9      | (35,613.0, 48,252.2)   | 0.004776                 | (0.0040788, 0.0055264) |
| Indonesia | Diabetes mellitus                             | 40  | 90,330.3      | (79,280.0, 102,168.0)  | 0.010136                 | (0.0088958, 0.0114641) | 89,014.8      | (77,573.7, 100,496.6)  | 0.010195                 | (0.0088847, 0.0115101) |
| Indonesia | Chronic kidney disease                        | 40  | 62,549.5      | (55,074.4, 71,390.9)   | 0.007019                 | (0.0061798, 0.0080106) | 40,552.0      | (35,148.1, 47,229.2)   | 0.004645                 | (0.0040256, 0.0054093) |
| Indonesia | Cirrhosis                                     | 40  | 121,182.4     | (107,859.5, 136,345.4) | 0.013598                 | (0.0121027, 0.0152990) | 52,270.8      | (45,325.3, 59,821.0)   | 0.005987                 | (0.0051912, 0.0068514) |
| Indonesia | Chronic respiratory diseases                  | 40  | 65,023.4      | (56,134.8, 74,893.2)   | 0.007296                 | (0.0062988, 0.0084036) | 32,256.5      | (27,555.9, 37,898.6)   | 0.003694                 | (0.0031560, 0.0043406) |
| Indonesia | Other non-communicable diseases               | 40  | 121,841.8     | (109,296.5, 134,507.5) | 0.013672                 | (0.0122639, 0.0150928) | 89,183.4      | (79,147.8, 98,844.5)   | 0.010214                 | (0.0090650, 0.0113209) |
| Indonesia | Drowning                                      | 40  | 10,132.2      | (6,307.4, 15,497.5)    | 0.001137                 | (0.0007077, 0.0017389) | 3,838.3       | (2,244.3, 5,941.3)     | 0.000440                 | (0.0002570, 0.0006805) |
| Indonesia | Falls                                         | 40  | 20,843.2      | (16,045.1, 26,849.8)   | 0.002339                 | (0.0018004, 0.0030128) | 8,949.0       | (6,550.0, 11,677.3)    | 0.001025                 | (0.0007502, 0.0013374) |
| Indonesia | Interpersonal violence                        | 40  | 5,701.6       | (3,734.5, 8,015.9)     | 0.000640                 | (0.0004190, 0.0008994) | 2,951.9       | (1,815.2, 4,379.0)     | 0.000338                 | (0.0002079, 0.0005015) |
| Indonesia | Self-harm                                     | 40  | 9,796.6       | (7,186.8, 13,034.1)    | 0.001099                 | (0.0008064, 0.0014625) | 4,024.8       | (2,757.4, 5,683.7)     | 0.000461                 | (0.0003158, 0.0006510) |
| Indonesia | Transport injuries                            | 40  | 99,260.4      | (84,247.4, 115,311.8)  | 0.011138                 | (0.0094532, 0.0129389) | 28,946.0      | (23,881.0, 34,654.9)   | 0.003315                 | (0.0027351, 0.0039691) |
| Indonesia | Other unintentional injuries                  | 40  | 33,146.8      | (26,750.5, 40,373.1)   | 0.003719                 | (0.0030016, 0.0045302) | 11,243.1      | (8,452.5, 14,406.5)    | 0.001288                 | (0.0009681, 0.0016500) |
| Indonesia | Diarrheal diseases                            | 45  | 24,514.0      | (18,471.8, 31,156.8)   | 0.003257                 | (0.0024540, 0.0041392) | 27,700.4      | (21,587.9, 34,440.8)   | 0.003713                 | (0.0028940, 0.0046170) |
| Indonesia | HIV/AIDS                                      | 45  | 9,409.4       | (6,263.0, 13,741.1)    | 0.001250                 | (0.0008320, 0.0018255) | 7,224.2       | (4,697.8, 10,621.0)    | 0.000968                 | (0.0006298, 0.0014238) |
| Indonesia | Lower respiratory infections                  | 45  | 19,841.7      | (16,064.0, 24,188.6)   | 0.002636                 | (0.0021341, 0.0032135) | 15,644.0      | (12,538.4, 19,408.8)   | 0.002097                 | (0.0016808, 0.0026019) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Indonesia | Malaria                                       | 45  | 4,922.6       | (3,234.1, 7,137.4)     | 0.000654                 | (0.0004296, 0.0009482) | 3,557.8       | (2,232.9, 5,341.2)     | 0.000477                 | (0.0002993, 0.0007160) |
| Indonesia | Tuberculosis                                  | 45  | 163,097.5     | (146,939.8, 180,692.1) | 0.021668                 | (0.0195211, 0.0240051) | 91,907.3      | (81,312.5, 102,744.6)  | 0.012321                 | (0.0109005, 0.0137736) |
| Indonesia | Maternal disorders                            | 45  |               |                        |                          |                        | 4,280.4       | (2,245.6, 7,167.9)     | 0.000574                 | (0.0003010, 0.0009609) |
| Indonesia | Other communicable diseases                   | 45  | 54,887.1      | (45,879.0, 64,904.4)   | 0.007292                 | (0.0060951, 0.0086226) | 46,155.2      | (38,206.2, 55,244.1)   | 0.006187                 | (0.0051218, 0.0074058) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 45  | 23,655.8      | (18,546.0, 29,525.6)   | 0.003143                 | (0.0024639, 0.0039225) | 9,425.8       | (6,922.3, 12,536.1)    | 0.001264                 | (0.0009280, 0.0016805) |
| Indonesia | Breast cancer                                 | 45  | 1,879.0       | (893.6, 3,503.4)       | 0.000250                 | (0.0001187, 0.0004654) | 85,421.6      | (74,598.5, 97,389.4)   | 0.011451                 | (0.0100004, 0.0130557) |
| Indonesia | Cervical cancer                               | 45  |               |                        |                          |                        | 53,417.3      | (45,142.3, 62,674.8)   | 0.007161                 | (0.0060516, 0.0084020) |
| Indonesia | Other malignant neoplasms                     | 45  | 133,384.9     | (120,687.1, 147,824.3) | 0.017720                 | (0.0160334, 0.0196386) | 60,615.4      | (53,050.9, 69,374.0)   | 0.008126                 | (0.0071118, 0.0093000) |
| Indonesia | Cerebrovascular disease                       | 45  | 270,628.0     | (251,303.2, 294,616.4) | 0.035953                 | (0.0333859, 0.0391401) | 225,821.0     | (207,267.7, 244,022.2) | 0.030273                 | (0.0277855, 0.0327127) |
| Indonesia | Ischemic heart disease                        | 45  | 303,898.4     | (281,312.4, 329,708.3) | 0.040373                 | (0.0373726, 0.0438021) | 155,685.6     | (141,820.6, 170,698.5) | 0.020871                 | (0.0190120, 0.0228832) |
| Indonesia | Other cardiovascular and circulatory diseases | 45  | 58,655.6      | (51,273.5, 66,846.8)   | 0.007793                 | (0.0068117, 0.0088807) | 55,391.9      | (48,678.1, 63,318.8)   | 0.007426                 | (0.0065256, 0.0084883) |
| Indonesia | Diabetes mellitus                             | 45  | 134,227.1     | (120,608.1, 150,601.1) | 0.017832                 | (0.0160229, 0.0200075) | 145,990.0     | (133,083.6, 162,264.3) | 0.019571                 | (0.0178407, 0.0217526) |
| Indonesia | Chronic kidney disease                        | 45  | 62,918.7      | (55,201.5, 71,498.1)   | 0.008359                 | (0.0073336, 0.0094986) | 44,928.4      | (39,447.2, 51,557.3)   | 0.006023                 | (0.0052881, 0.0069116) |
| Indonesia | Cirrhosis                                     | 45  | 118,213.3     | (104,884.6, 131,690.3) | 0.015705                 | (0.0139340, 0.0174952) | 59,267.2      | (51,627.0, 66,697.7)   | 0.007945                 | (0.0069209, 0.0089412) |
| Indonesia | Chronic respiratory diseases                  | 45  | 79,783.6      | (70,613.8, 89,856.1)   | 0.010599                 | (0.0093811, 0.0119375) | 44,297.1      | (38,465.0, 50,422.7)   | 0.005938                 | (0.0051565, 0.0067595) |
| Indonesia | Other non-communicable diseases               | 45  | 114,077.0     | (102,375.5, 126,058.0) | 0.015155                 | (0.0136007, 0.0167469) | 94,611.1      | (85,218.0, 104,170.9)  | 0.012683                 | (0.0114240, 0.0139648) |
| Indonesia | Drowning                                      | 45  | 6,437.0       | (3,783.8, 10,463.7)    | 0.000855                 | (0.0005027, 0.0013901) | 3,124.6       | (1,721.3, 5,124.5)     | 0.000419                 | (0.0002307, 0.0006870) |
| Indonesia | Falls                                         | 45  | 21,664.2      | (16,665.7, 28,023.0)   | 0.002878                 | (0.0022141, 0.0037229) | 11,643.5      | (8,704.5, 15,276.4)    | 0.001561                 | (0.0011669, 0.0020479) |
| Indonesia | Interpersonal violence                        | 45  | 4,431.4       | (2,933.4, 6,132.6)     | 0.000589                 | (0.0003897, 0.0008147) | 2,501.2       | (1,530.3, 3,794.1)     | 0.000335                 | (0.0002051, 0.0005086) |
| Indonesia | Self-harm                                     | 45  | 8,678.5       | (6,409.2, 11,671.2)    | 0.001153                 | (0.0008515, 0.0015505) | 3,814.6       | (2,627.8, 5,363.6)     | 0.000511                 | (0.0003523, 0.0007190) |
| Indonesia | Transport injuries                            | 45  | 93,189.1      | (79,966.3, 108,253.6)  | 0.012380                 | (0.0106236, 0.0143816) | 32,412.2      | (26,850.8, 38,881.8)   | 0.004345                 | (0.0035995, 0.0052123) |
| Indonesia | Other unintentional injuries                  | 45  | 28,905.7      | (23,017.8, 35,406.3)   | 0.003840                 | (0.0030579, 0.0047038) | 11,373.1      | (8,679.4, 14,613.2)    | 0.001525                 | (0.0011635, 0.0019590) |
| Indonesia | Diarrheal diseases                            | 50  | 31,381.8      | (25,222.1, 38,024.1)   | 0.004997                 | (0.0040162, 0.0060548) | 34,009.1      | (28,116.6, 40,673.6)   | 0.005611                 | (0.0046389, 0.0067106) |
| Indonesia | HIV/AIDS                                      | 50  | 3,883.2       | (2,336.5, 5,918.1)     | 0.000618                 | (0.0003721, 0.0009424) | 2,935.7       | (1,734.7, 4,605.2)     | 0.000484                 | (0.0002862, 0.0007598) |
| Indonesia | Lower respiratory infections                  | 50  | 24,983.6      | (20,388.1, 29,781.3)   | 0.003978                 | (0.0032465, 0.0047422) | 19,509.5      | (15,964.8, 23,859.1)   | 0.003219                 | (0.0026340, 0.0039364) |
| Indonesia | Malaria                                       | 50  | 4,627.6       | (3,111.0, 6,604.5)     | 0.000737                 | (0.0004954, 0.0010517) | 3,134.4       | (1,981.5, 4,709.5)     | 0.000517                 | (0.0003269, 0.0007770) |
| Indonesia | Tuberculosis                                  | 50  | 170,499.3     | (154,825.8, 187,379.4) | 0.027149                 | (0.0246536, 0.0298373) | 92,762.9      | (82,506.1, 104,733.6)  | 0.015305                 | (0.0136124, 0.0172797) |
| Indonesia | Maternal disorders                            | 50  |               |                        |                          |                        | 1,633.6       | (613.0, 3,744.3)       | 0.000270                 | (0.0001011, 0.0006178) |
| Indonesia | Other communicable diseases                   | 50  | 53,826.8      | (45,215.9, 62,345.3)   | 0.008571                 | (0.0071999, 0.0099275) | 43,868.1      | (36,784.5, 51,700.3)   | 0.007238                 | (0.0060690, 0.0085299) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 50  | 30,142.5      | (24,661.9, 36,158.6)   | 0.004800                 | (0.0039270, 0.0057577) | 9,700.5       | (7,211.7, 12,663.7)    | 0.001601                 | (0.0011898, 0.0020893) |
| Indonesia | Breast cancer                                 | 50  | 1,622.2       | (883.5, 2,795.7)       | 0.000258                 | (0.0001407, 0.0004452) | 68,082.8      | (59,203.6, 78,033.5)   | 0.011233                 | (0.0097678, 0.0128745) |
| Indonesia | Cervical cancer                               | 50  |               |                        |                          |                        | 45,873.6      | (38,105.5, 54,415.5)   | 0.007569                 | (0.0062869, 0.0089778) |
| Indonesia | Other malignant neoplasms                     | 50  | 113,443.7     | (101,103.9, 126,721.5) | 0.018064                 | (0.0160992, 0.0201785) | 56,771.9      | (49,043.7, 64,841.9)   | 0.009367                 | (0.0080916, 0.0106981) |
| Indonesia | Cerebrovascular disease                       | 50  | 355,133.8     | (328,377.4, 384,855.7) | 0.056550                 | (0.0522891, 0.0612824) | 284,428.1     | (263,501.8, 305,011.2) | 0.046927                 | (0.0434744, 0.0503229) |
| Indonesia | Ischemic heart disease                        | 50  | 355,972.9     | (328,397.8, 383,839.9) | 0.056683                 | (0.0522923, 0.0611206) | 173,886.2     | (159,366.2, 190,271.3) | 0.028689                 | (0.0262933, 0.0313923) |
| Indonesia | Other cardiovascular and circulatory diseases | 50  | 74,695.5      | (65,893.5, 85,301.3)   | 0.011894                 | (0.0104925, 0.0135829) | 68,032.9      | (60,285.8, 76,537.3)   | 0.011225                 | (0.0099464, 0.0126277) |
| Indonesia | Diabetes mellitus                             | 50  | 173,065.8     | (157,306.0, 190,747.3) | 0.027558                 | (0.0250486, 0.0303736) | 180,355.9     | (165,805.0, 197,967.0) | 0.029756                 | (0.0273557, 0.0326620) |
| Indonesia | Chronic kidney disease                        | 50  | 64,346.3      | (56,519.7, 72,406.8)   | 0.010246                 | (0.0089999, 0.0115297) | 44,004.4      | (38,631.4, 49,533.9)   | 0.007260                 | (0.0063737, 0.0081724) |
| Indonesia | Cirrhosis                                     | 50  | 121,690.9     | (108,741.4, 135,059.9) | 0.019377                 | (0.0173154, 0.0215062) | 59,755.0      | (53,034.3, 67,347.4)   | 0.009859                 | (0.0087500, 0.0111114) |
| Indonesia | Chronic respiratory diseases                  | 50  | 102,583.2     | (91,368.5, 115,304.9)  | 0.016335                 | (0.0145490, 0.0183605) | 56,360.9      | (49,170.9, 63,799.0)   | 0.009299                 | (0.0081126, 0.0105260) |
| Indonesia | Other non-communicable diseases               | 50  | 117,664.2     | (105,157.5, 129,314.2) | 0.018736                 | (0.0167447, 0.0205913) | 94,340.1      | (84,743.9, 104,107.2)  | 0.015565                 | (0.0139816, 0.0171763) |
| Indonesia | Drowning                                      | 50  | 4,481.5       | (2,588.9, 7,139.9)     | 0.000714                 | (0.0004122, 0.0011369) | 2,134.8       | (1,117.7, 3,613.4)     | 0.000352                 | (0.0001844, 0.0005962) |
| Indonesia | Falls                                         | 50  | 23,453.9      | (18,280.9, 29,656.4)   | 0.003735                 | (0.0029109, 0.0047223) | 12,141.6      | (9,509.5, 15,542.5)    | 0.002003                 | (0.0015689, 0.0025643) |
| Indonesia | Interpersonal violence                        | 50  | 3,281.0       | (2,126.4, 4,614.3)     | 0.000523                 | (0.0003386, 0.0007348) | 1,707.8       | (1,041.3, 2,696.9)     | 0.000282                 | (0.0001718, 0.0004450) |
| Indonesia | Self-harm                                     | 50  | 7,159.6       | (5,180.8, 9,536.3)     | 0.001140                 | (0.0008250, 0.0015185) | 2,882.0       | (1,901.3, 4,108.8)     | 0.000476                 | (0.0003137, 0.0006779) |
| Indonesia | Transport injuries                            | 50  | 70,502.4      | (60,051.5, 81,888.6)   | 0.011226                 | (0.0095623, 0.0130395) | 23,177.0      | (19,115.8, 27,606.9)   | 0.003824                 | (0.0031539, 0.0045548) |
| Indonesia | Other unintentional injuries                  | 50  | 22,772.2      | (18,018.4, 27,961.9)   | 0.003626                 | (0.0028691, 0.0044525) | 8,375.7       | (6,489.9, 10,808.3)    | 0.001382                 | (0.0010708, 0.0017832) |
| Indonesia | Diarrheal diseases                            | 55  | 31,142.3      | (25,438.7, 37,983.2)   | 0.006607                 | (0.0053965, 0.0080577) | 32,513.0      | (27,121.3, 38,447.1)   | 0.007563                 | (0.0063087, 0.0089431) |
| Indonesia | HIV/AIDS                                      | 55  | 1,489.7       | (714.1, 2,550.5)       | 0.000316                 | (0.0001515, 0.0005411) | 1,088.3       | (508.9, 1,981.7)       | 0.000253                 | (0.0001184, 0.0004610) |
| Indonesia | Lower respiratory infections                  | 55  | 23,304.7      | (19,516.0, 27,709.7)   | 0.004944                 | (0.0041401, 0.0058783) | 18,101.2      | (15,032.2, 21,522.5)   | 0.004211                 | (0.0034966, 0.0050063) |
| Indonesia | Malaria                                       | 55  | 3,963.5       | (2,737.3, 5,675.0)     | 0.000841                 | (0.0005807, 0.0012039) | 2,561.8       | (1,595.9, 3,872.7)     | 0.000596                 | (0.0003712, 0.0009008) |
| Indonesia | Tuberculosis                                  | 55  | 137,112.5     | (123,171.1, 152,310.6) | 0.029087                 | (0.0261293, 0.0323109) | 72,071.2      | (64,111.3, 80,968.0)   | 0.016764                 | (0.0149128, 0.0188338) |

## Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Indonesia | Other communicable diseases                   | 55  | 46,838.7      | (39,437.2, 54,738.6)   | 0.009936                 | (0.0083662, 0.0116122) | 37,191.8      | (30,928.6, 44,032.1)   | 0.008651                 | (0.0071943, 0.0102423) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 55  | 28,002.3      | (23,224.7, 33,670.5)   | 0.005940                 | (0.0049268, 0.0071428) | 7,351.5       | (5,551.1, 9,533.4)     | 0.001710                 | (0.0012912, 0.0022175) |
| Indonesia | Breast cancer                                 | 55  | 1,342.3       | (754.5, 2,203.8)       | 0.000285                 | (0.0001601, 0.0004675) | 47,490.8      | (40,925.1, 54,892.7)   | 0.011047                 | (0.0095195, 0.0127685) |
| Indonesia | Cervical cancer                               | 55  |               |                        |                          |                        | 30,060.2      | (24,398.2, 36,527.6)   | 0.006992                 | (0.0056752, 0.0084966) |
| Indonesia | Other malignant neoplasms                     | 55  | 86,488.2      | (76,655.6, 97,736.3)   | 0.018348                 | (0.0162616, 0.0207336) | 46,217.4      | (40,024.3, 52,348.2)   | 0.010751                 | (0.0093100, 0.0121767) |
| Indonesia | Cerebrovascular disease                       | 55  | 383,851.8     | (352,693.5, 416,282.9) | 0.081430                 | (0.0748198, 0.0883096) | 300,666.7     | (279,570.6, 322,250.9) | 0.069938                 | (0.0650305, 0.0749583) |
| Indonesia | Ischemic heart disease                        | 55  | 362,758.9     | (332,419.1, 393,319.0) | 0.076955                 | (0.0705189, 0.0834381) | 177,664.0     | (164,142.5, 193,098.0) | 0.041326                 | (0.0381810, 0.0449162) |
| Indonesia | Other cardiovascular and circulatory diseases | 55  | 79,622.6      | (70,270.9, 89,904.9)   | 0.016891                 | (0.0149072, 0.0190723) | 69,506.6      | (61,870.5, 77,985.9)   | 0.016168                 | (0.0143916, 0.0181402) |
| Indonesia | Diabetes mellitus                             | 55  | 171,180.2     | (155,872.1, 188,026.9) | 0.036314                 | (0.0330665, 0.0398877) | 173,472.3     | (159,789.9, 188,613.5) | 0.040351                 | (0.0371685, 0.0438731) |
| Indonesia | Chronic kidney disease                        | 55  | 58,671.4      | (51,638.1, 66,546.9)   | 0.012447                 | (0.0109544, 0.0141171) | 38,648.8      | (33,639.1, 43,362.2)   | 0.008990                 | (0.0078247, 0.0100864) |
| Indonesia | Cirrhosis                                     | 55  | 102,104.9     | (90,521.4, 114,587.2)  | 0.021660                 | (0.0192031, 0.0243083) | 49,644.5      | (44,143.5, 55,801.7)   | 0.011548                 | (0.0102682, 0.0129800) |
| Indonesia | Chronic respiratory diseases                  | 55  | 105,972.8     | (94,953.0, 118,127.5)  | 0.022481                 | (0.0201432, 0.0250594) | 55,760.7      | (49,538.2, 62,528.2)   | 0.012970                 | (0.0115230, 0.0145446) |
| Indonesia | Other non-communicable diseases               | 55  | 114,197.7     | (102,938.6, 125,791.1) | 0.024226                 | (0.0218372, 0.0266851) | 89,076.1      | (80,785.5, 97,964.6)   | 0.020720                 | (0.0187914, 0.0227874) |
| Indonesia | Drowning                                      | 55  | 2,857.9       | (1,537.9, 5,089.5)     | 0.000606                 | (0.0003262, 0.0010797) | 1,361.3       | (688.1, 2,395.9)       | 0.000317                 | (0.0001601, 0.0005573) |
| Indonesia | Falls                                         | 55  | 22,192.5      | (17,470.1, 27,563.5)   | 0.004708                 | (0.0037061, 0.0058473) | 11,230.2      | (8,821.6, 14,333.1)    | 0.002612                 | (0.0020520, 0.0033340) |
| Indonesia | Interpersonal violence                        | 55  | 2,274.6       | (1,407.6, 3,384.8)     | 0.000483                 | (0.0002986, 0.0007180) | 1,092.0       | (646.0, 1,718.6)       | 0.000254                 | (0.0001503, 0.0003998) |
| Indonesia | Self-harm                                     | 55  | 5,755.3       | (4,186.0, 7,775.4)     | 0.001221                 | (0.0008880, 0.0016495) | 2,123.6       | (1,451.8, 3,035.2)     | 0.000494                 | (0.0003377, 0.0007060) |
| Indonesia | Transport injuries                            | 55  | 41,895.2      | (34,234.9, 50,785.6)   | 0.008888                 | (0.0072625, 0.0107736) | 13,213.0      | (10,560.6, 16,476.7)   | 0.003074                 | (0.0024565, 0.0038326) |
| Indonesia | Other unintentional injuries                  | 55  | 16,581.8      | (12,742.7, 20,921.6)   | 0.003518                 | (0.0027032, 0.0044383) | 5,769.1       | (4,384.6, 7,396.5)     | 0.001342                 | (0.0010199, 0.0017205) |
| Indonesia | Diarrheal diseases                            | 60  | 32,251.3      | (26,897.0, 38,976.7)   | 0.010278                 | (0.0085715, 0.0124210) | 36,519.1      | (30,929.6, 42,430.6)   | 0.011011                 | (0.0093253, 0.0127928) |
| Indonesia | HIV/AIDS                                      | 60  | 950.6         | (375.0, 1,748.6)       | 0.000303                 | (0.0001195, 0.0005572) | 751.6         | (324.8, 1,351.7)       | 0.000227                 | (0.0000979, 0.0004075) |
| Indonesia | Lower respiratory infections                  | 60  | 28,775.3      | (24,586.4, 33,550.2)   | 0.009170                 | (0.0078351, 0.0106917) | 25,850.5      | (22,002.3, 30,232.2)   | 0.007794                 | (0.0066337, 0.0091150) |
| Indonesia | Malaria                                       | 60  | 3,786.4       | (2,625.9, 5,276.5)     | 0.001207                 | (0.0008368, 0.0016815) | 2,454.9       | (1,530.3, 3,751.6)     | 0.000740                 | (0.0004614, 0.0011311) |
| Indonesia | Tuberculosis                                  | 60  | 146,130.0     | (131,790.9, 160,666.8) | 0.046568                 | (0.0419987, 0.0512008) | 84,367.5      | (75,883.3, 93,881.5)   | 0.025437                 | (0.0228788, 0.0283053) |
| Indonesia | Other communicable diseases                   | 60  | 35,170.1      | (28,996.2, 41,392.3)   | 0.011208                 | (0.0092404, 0.0131908) | 30,781.0      | (25,457.2, 36,514.2)   | 0.009281                 | (0.0076753, 0.0110090) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 60  | 25,896.2      | (21,660.7, 31,031.0)   | 0.008253                 | (0.0069027, 0.0098889) | 6,626.5       | (5,014.3, 8,374.2)     | 0.001998                 | (0.0015118, 0.0025248) |
| Indonesia | Breast cancer                                 | 60  | 1,098.2       | (576.3, 1,894.9)       | 0.000350                 | (0.0001836, 0.0006039) | 33,657.6      | (28,440.8, 39,185.8)   | 0.010148                 | (0.0085749, 0.0118145) |
| Indonesia | Cervical cancer                               | 60  |               |                        |                          |                        | 24,054.0      | (19,476.9, 29,174.2)   | 0.007252                 | (0.0058723, 0.0087960) |
| Indonesia | Other malignant neoplasms                     | 60  | 75,124.0      | (66,511.2, 84,511.2)   | 0.023940                 | (0.0211956, 0.0269318) | 46,384.0      | (40,598.8, 52,796.5)   | 0.013985                 | (0.0122405, 0.0159181) |
| Indonesia | Cerebrovascular disease                       | 60  | 385,422.2     | (352,862.8, 416,861.3) | 0.122825                 | (0.1124492, 0.1328440) | 333,244.0     | (311,710.5, 355,560.2) | 0.100473                 | (0.0939806, 0.1072013) |
| Indonesia | Ischemic heart disease                        | 60  | 327,557.3     | (300,472.8, 353,839.7) | 0.104385                 | (0.0957537, 0.1127605) | 184,160.4     | (170,972.6, 198,925.1) | 0.055524                 | (0.0515482, 0.0599759) |
| Indonesia | Other cardiovascular and circulatory diseases | 60  | 81,490.5      | (72,303.9, 91,269.6)   | 0.025969                 | (0.0230416, 0.0290855) | 74,751.5      | (67,727.0, 83,139.2)   | 0.022538                 | (0.0204197, 0.0250664) |
| Indonesia | Diabetes mellitus                             | 60  | 140,086.8     | (126,860.7, 154,563.9) | 0.044642                 | (0.0404275, 0.0492559) | 155,140.7     | (142,747.1, 169,093.7) | 0.046775                 | (0.0430382, 0.0509817) |
| Indonesia | Chronic kidney disease                        | 60  | 49,980.4      | (44,169.2, 57,069.4)   | 0.015928                 | (0.0140757, 0.0181867) | 35,086.3      | (30,679.1, 39,686.3)   | 0.010579                 | (0.0092497, 0.0119654) |
| Indonesia | Cirrhosis                                     | 60  | 80,977.3      | (71,748.5, 90,697.2)   | 0.025806                 | (0.0228646, 0.0289031) | 44,050.8      | (38,987.6, 49,650.4)   | 0.013281                 | (0.0117548, 0.0149696) |
| Indonesia | Chronic respiratory diseases                  | 60  | 139,282.8     | (125,878.1, 153,781.8) | 0.044386                 | (0.0401144, 0.0490067) | 75,774.5      | (68,884.8, 83,267.2)   | 0.022846                 | (0.0207688, 0.0251050) |
| Indonesia | Other non-communicable diseases               | 60  | 118,896.3     | (107,052.2, 131,118.1) | 0.037890                 | (0.0341150, 0.0417843) | 99,942.4      | (91,515.5, 109,748.6)  | 0.030133                 | (0.0275919, 0.0330892) |
| Indonesia | Drowning                                      | 60  | 1,935.5       | (915.3, 3,377.3)       | 0.000617                 | (0.0002917, 0.0010763) | 1,106.3       | (473.4, 2,030.4)       | 0.000334                 | (0.0001427, 0.0006122) |
| Indonesia | Falls                                         | 60  | 16,736.0      | (12,816.6, 21,049.7)   | 0.005333                 | (0.0040843, 0.0067080) | 9,816.1       | (7,693.3, 12,451.7)    | 0.002960                 | (0.0023195, 0.0037542) |
| Indonesia | Interpersonal violence                        | 60  | 1,428.0       | (854.2, 2,217.3)       | 0.000455                 | (0.0002722, 0.0007066) | 714.2         | (405.8, 1,236.1)       | 0.000215                 | (0.0001223, 0.0003727) |
| Indonesia | Self-harm                                     | 60  | 4,141.7       | (2,944.1, 5,689.6)     | 0.001320                 | (0.0009382, 0.0018131) | 1,565.3       | (1,039.6, 2,248.7)     | 0.000472                 | (0.0003134, 0.0006780) |
| Indonesia | Transport injuries                            | 60  | 31,208.9      | (25,435.9, 37,930.2)   | 0.009946                 | (0.0081058, 0.0120875) | 11,096.1      | (8,801.9, 13,849.2)    | 0.003346                 | (0.0026538, 0.0041755) |
| Indonesia | Other unintentional injuries                  | 60  | 12,109.1      | (9,268.1, 15,443.3)    | 0.003859                 | (0.0029535, 0.0049214) | 4,603.3       | (3,365.4, 5,985.0)     | 0.001388                 | (0.0010147, 0.0018045) |
| Indonesia | Diarrheal diseases                            | 65  | 45,544.9      | (38,840.6, 52,924.9)   | 0.019157                 | (0.0163371, 0.0222612) | 53,565.1      | (46,444.6, 60,609.6)   | 0.020652                 | (0.0179069, 0.0233682) |
| Indonesia | HIV/AIDS                                      | 65  | 778.2         | (353.9, 1,402.9)       | 0.000327                 | (0.0001489, 0.0005901) | 640.2         | (279.7, 1,133.2)       | 0.000247                 | (0.0001078, 0.0004369) |
| Indonesia | Lower respiratory infections                  | 65  | 29,148.2      | (24,506.6, 34,045.0)   | 0.012260                 | (0.0103079, 0.0143200) | 28,070.2      | (24,253.9, 32,174.4)   | 0.010823                 | (0.0093512, 0.0124050) |
| Indonesia | Malaria                                       | 65  | 3,108.8       | (2,087.8, 4,357.5)     | 0.001308                 | (0.0008782, 0.0018329) | 1,982.8       | (1,256.9, 3,042.3)     | 0.000765                 | (0.0004846, 0.0011730) |
| Indonesia | Tuberculosis                                  | 65  | 130,530.8     | (117,743.1, 143,318.6) | 0.054904                 | (0.0495250, 0.0602825) | 75,577.6      | (67,413.2, 84,264.6)   | 0.029139                 | (0.0259913, 0.0324885) |
| Indonesia | Other communicable diseases                   | 65  | 29,327.5      | (23,693.7, 35,224.2)   | 0.012336                 | (0.0099660, 0.0148160) | 27,290.9      | (22,274.9, 32,791.4)   | 0.010522                 | (0.0085881, 0.0126428) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 65  | 19,895.8      | (16,281.3, 24,327.8)   | 0.008369                 | (0.0068482, 0.0102327) | 4,769.8       | (3,554.9, 6,167.6)     | 0.001839                 | (0.0013706, 0.0023779) |
| Indonesia | Breast cancer                                 | 65  | 733.0         | (325.7, 1,341.9)       | 0.000308                 | (0.0001370, 0.0005644) | 21,325.8      | (17,587.2, 25,634.3)   | 0.008222                 | (0.0067808, 0.0098834) |
| Indonesia | Cervical cancer                               | 65  |               |                        |                          |                        | 15,752.0      | (12,372.6, 19,767.2)   | 0.006073                 | (0.0047703, 0.0076213) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-----------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|           |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
|           |                                               |     |               |                        |                          |                        |               |                        |                          |                        |
| Indonesia | Other malignant neoplasms                     | 65  | 52,655.2      | (46,106.9, 59,153.8)   | 0.022148                 | (0.0193934, 0.0248812) | 41,137.1      | (36,133.9, 46,804.1)   | 0.015861                 | (0.0139315, 0.0180455) |
| Indonesia | Cerebrovascular disease                       | 65  | 362,178.2     | (328,323.2, 394,217.8) | 0.152339                 | (0.1380990, 0.1658155) | 340,043.0     | (317,531.6, 362,613.5) | 0.131105                 | (0.1224252, 0.1398067) |
| Indonesia | Ischemic heart disease                        | 65  | 285,850.5     | (259,506.2, 310,501.5) | 0.120234                 | (0.1091533, 0.1306029) | 170,231.6     | (156,557.9, 184,699.5) | 0.065633                 | (0.0603613, 0.0712115) |
| Indonesia | Other cardiovascular and circulatory diseases | 65  | 80,509.5      | (71,302.4, 90,168.1)   | 0.033864                 | (0.0299911, 0.0379264) | 78,660.8      | (71,522.5, 86,641.7)   | 0.030328                 | (0.0275757, 0.0334050) |
| Indonesia | Diabetes mellitus                             | 65  | 100,019.3     | (89,159.0, 110,603.3)  | 0.042070                 | (0.0375020, 0.0465219) | 119,849.8     | (109,407.3, 131,293.8) | 0.046208                 | (0.0421823, 0.0506207) |
| Indonesia | Chronic kidney disease                        | 65  | 41,877.9      | (36,471.5, 48,193.2)   | 0.017615                 | (0.0153406, 0.0202710) | 30,903.4      | (27,136.1, 35,076.6)   | 0.011915                 | (0.0104624, 0.0135239) |
| Indonesia | Cirrhosis                                     | 65  | 57,105.1      | (50,040.2, 64,792.3)   | 0.024020                 | (0.0210479, 0.0272529) | 34,465.0      | (30,692.9, 38,952.3)   | 0.013288                 | (0.0118337, 0.0150182) |
| Indonesia | Chronic respiratory diseases                  | 65  | 136,993.0     | (123,728.4, 151,088.0) | 0.057622                 | (0.0520425, 0.0635505) | 79,455.0      | (72,483.8, 86,935.2)   | 0.030634                 | (0.0279463, 0.0335181) |
| Indonesia | Other non-communicable diseases               | 65  | 119,806.6     | (107,396.8, 132,559.2) | 0.050393                 | (0.0451731, 0.0557569) | 108,375.3     | (99,563.9, 118,346.8)  | 0.041784                 | (0.0383872, 0.0456290) |
| Indonesia | Drowning                                      | 65  | 1,368.3       | (644.4, 2,497.1)       | 0.000576                 | (0.0002711, 0.0010503) | 914.7         | (396.9, 1,732.5)       | 0.000353                 | (0.0001530, 0.0006680) |
| Indonesia | Falls                                         | 65  | 15,274.0      | (11,759.0, 19,209.5)   | 0.006425                 | (0.0049461, 0.0080799) | 10,141.3      | (7,859.0, 12,919.0)    | 0.003910                 | (0.0030301, 0.0049810) |
| Indonesia | Interpersonal violence                        | 65  | 923.5         | (506.5, 1,563.2)       | 0.000388                 | (0.0002130, 0.0006575) | 468.9         | (239.3, 865.9)         | 0.000181                 | (0.0000923, 0.0003338) |
| Indonesia | Self-harm                                     | 65  | 3,112.0       | (2,110.5, 4,424.7)     | 0.001309                 | (0.0008877, 0.0018611) | 1,166.2       | (727.5, 1,739.4)       | 0.000450                 | (0.0002805, 0.0006706) |
| Indonesia | Transport injuries                            | 65  | 22,360.2      | (17,736.0, 27,511.1)   | 0.009405                 | (0.0074601, 0.0115717) | 8,746.2       | (6,592.7, 11,256.5)    | 0.003372                 | (0.0025418, 0.0043400) |
| Indonesia | Other unintentional injuries                  | 65  | 9,444.0       | (7,198.5, 12,180.4)    | 0.003972                 | (0.0030278, 0.0051233) | 3,801.1       | (2,843.0, 4,967.9)     | 0.001466                 | (0.0010961, 0.0019154) |
| Indonesia | Diarrheal diseases                            | 70  | 56,091.8      | (49,026.2, 63,509.5)   | 0.034224                 | (0.0299131, 0.0387501) | 71,213.7      | (63,673.0, 78,609.7)   | 0.034865                 | (0.0311735, 0.0384864) |
| Indonesia | HIV/AIDS                                      | 70  | 886.3         | (421.7, 1,643.4)       | 0.000541                 | (0.0002573, 0.0010027) | 818.9         | (397.0, 1,534.2)       | 0.000401                 | (0.0001944, 0.0007511) |
| Indonesia | Lower respiratory infections                  | 70  | 32,828.2      | (28,242.0, 37,982.8)   | 0.020030                 | (0.0172318, 0.0231750) | 35,795.1      | (31,426.3, 40,259.8)   | 0.017525                 | (0.0153860, 0.0197107) |
| Indonesia | Malaria                                       | 70  | 2,457.6       | (1,625.6, 3,493.6)     | 0.001500                 | (0.0009919, 0.0021316) | 1,650.0       | (984.5, 2,612.4)       | 0.000808                 | (0.0004820, 0.0012790) |
| Indonesia | Tuberculosis                                  | 70  | 113,653.1     | (102,092.8, 125,023.2) | 0.069345                 | (0.0622915, 0.0762823) | 75,763.3      | (68,175.4, 83,448.5)   | 0.037093                 | (0.0333779, 0.0408554) |
| Indonesia | Other communicable diseases                   | 70  | 27,067.9      | (22,915.9, 32,278.9)   | 0.016515                 | (0.0139820, 0.0196948) | 27,336.7      | (22,976.3, 32,530.2)   | 0.013384                 | (0.0112489, 0.0159264) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 70  | 14,493.4      | (11,816.8, 17,698.2)   | 0.008843                 | (0.0072099, 0.0107984) | 3,972.6       | (2,857.3, 5,299.4)     | 0.001945                 | (0.0013989, 0.0025945) |
| Indonesia | Breast cancer                                 | 70  | 431.4         | (172.6, 865.8)         | 0.000263                 | (0.0001053, 0.0005282) | 12,993.5      | (10,229.0, 15,986.5)   | 0.006362                 | (0.0050080, 0.0078268) |
| Indonesia | Cervical cancer                               | 70  |               |                        |                          |                        | 9,312.3       | (6,946.9, 12,179.8)    | 0.004559                 | (0.0034011, 0.0059631) |
| Indonesia | Other malignant neoplasms                     | 70  | 34,538.9      | (29,644.5, 39,628.9)   | 0.021074                 | (0.0180875, 0.0241794) | 33,642.7      | (29,210.3, 38,571.6)   | 0.016471                 | (0.0143010, 0.0188842) |
| Indonesia | Cerebrovascular disease                       | 70  | 324,027.8     | (293,520.4, 354,604.9) | 0.197704                 | (0.1790901, 0.2163605) | 358,833.8     | (335,993.8, 382,247.8) | 0.175681                 | (0.1644986, 0.1871440) |
| Indonesia | Ischemic heart disease                        | 70  | 236,028.2     | (213,952.7, 256,683.3) | 0.144012                 | (0.1305422, 0.1566141) | 173,885.0     | (160,931.4, 188,159.4) | 0.085132                 | (0.0787901, 0.0921206) |
| Indonesia | Other cardiovascular and circulatory diseases | 70  | 76,370.6      | (67,775.6, 85,196.9)   | 0.046597                 | (0.0413530, 0.0519825) | 85,808.6      | (78,070.3, 94,362.4)   | 0.042011                 | (0.0382223, 0.0461987) |
| Indonesia | Diabetes mellitus                             | 70  | 63,766.8      | (56,791.5, 71,121.9)   | 0.038907                 | (0.0346511, 0.0433947) | 91,402.1      | (83,192.2, 100,509.4)  | 0.044749                 | (0.0407299, 0.0492082) |
| Indonesia | Chronic kidney disease                        | 70  | 31,230.4      | (27,316.6, 36,142.8)   | 0.019055                 | (0.0166671, 0.0220523) | 27,276.3      | (23,810.8, 31,270.5)   | 0.013354                 | (0.0116575, 0.0153097) |
| Indonesia | Cirrhosis                                     | 70  | 42,006.4      | (36,349.7, 47,923.2)   | 0.025630                 | (0.0221786, 0.0292401) | 29,903.8      | (26,193.0, 33,640.5)   | 0.014641                 | (0.0128238, 0.0164700) |
| Indonesia | Chronic respiratory diseases                  | 70  | 145,503.6     | (132,321.6, 160,628.1) | 0.088778                 | (0.0807354, 0.0980065) | 95,736.3      | (87,808.7, 103,775.5)  | 0.046871                 | (0.0429901, 0.0508073) |
| Indonesia | Other non-communicable diseases               | 70  | 115,108.6     | (103,488.3, 126,692.3) | 0.070233                 | (0.0631429, 0.0773007) | 121,398.2     | (112,109.7, 131,706.4) | 0.059435                 | (0.0548876, 0.0644819) |
| Indonesia | Drowning                                      | 70  | 1,981.2       | (1,109.1, 3,288.2)     | 0.001209                 | (0.0006767, 0.0020063) | 1,465.0       | (806.8, 2,427.6)       | 0.000717                 | (0.0003950, 0.0011885) |
| Indonesia | Falls                                         | 70  | 14,497.4      | (11,240.9, 17,991.2)   | 0.008846                 | (0.0068586, 0.0109773) | 10,855.2      | (8,490.0, 13,365.2)    | 0.005315                 | (0.0041566, 0.0065435) |
| Indonesia | Interpersonal violence                        | 70  | 540.4         | (258.9, 976.5)         | 0.000330                 | (0.0001580, 0.0005958) | 311.3         | (138.6, 631.3)         | 0.000152                 | (0.0000678, 0.0003091) |
| Indonesia | Self-harm                                     | 70  | 2,153.4       | (1,453.2, 3,146.3)     | 0.001314                 | (0.0008866, 0.0019197) | 920.0         | (573.4, 1,396.5)       | 0.000450                 | (0.0002807, 0.0006837) |
| Indonesia | Transport injuries                            | 70  | 18,029.5      | (14,305.1, 22,261.4)   | 0.011001                 | (0.0087282, 0.0135827) | 7,968.7       | (6,142.4, 10,179.7)    | 0.003901                 | (0.0030072, 0.0049838) |
| Indonesia | Other unintentional injuries                  | 70  | 7,697.3       | (5,854.7, 9,801.3)     | 0.004697                 | (0.0035722, 0.0059802) | 3,498.7       | (2,552.7, 4,726.4)     | 0.001713                 | (0.0012498, 0.0023140) |
| Indonesia | Diarrheal diseases                            | 75  | 39,570.2      | (34,308.3, 45,394.4)   | 0.044045                 | (0.0381876, 0.0505272) | 59,117.2      | (52,757.7, 65,466.5)   | 0.048259                 | (0.0430674, 0.0534419) |
| Indonesia | HIV/AIDS                                      | 75  | 411.5         | (196.1, 795.2)         | 0.000458                 | (0.0002183, 0.0008851) | 446.8         | (213.2, 864.6)         | 0.000365                 | (0.0001741, 0.0007058) |
| Indonesia | Lower respiratory infections                  | 75  | 20,332.0      | (17,360.6, 23,652.7)   | 0.022631                 | (0.0193235, 0.0263272) | 26,059.9      | (22,555.3, 29,738.8)   | 0.021273                 | (0.0184125, 0.0242765) |
| Indonesia | Malaria                                       | 75  | 1,419.0       | (910.4, 2,128.3)       | 0.001579                 | (0.0010134, 0.0023690) | 1,112.5       | (641.4, 1,786.2)       | 0.000908                 | (0.0005236, 0.0014581) |
| Indonesia | Tuberculosis                                  | 75  | 57,045.0      | (50,248.2, 64,025.1)   | 0.063495                 | (0.0559298, 0.0712645) | 44,808.9      | (40,021.9, 50,187.2)   | 0.036579                 | (0.0326709, 0.0409690) |
| Indonesia | Other communicable diseases                   | 75  | 15,340.4      | (12,374.7, 18,680.6)   | 0.017075                 | (0.0137739, 0.0207928) | 18,270.6      | (15,109.9, 22,151.2)   | 0.014915                 | (0.0123346, 0.0180825) |
| Indonesia | Tracheal, bronchus, and lung cancer           | 75  | 6,979.8       | (5,450.4, 8,794.0)     | 0.007769                 | (0.0060667, 0.0097884) | 2,191.4       | (1,528.5, 3,000.6)     | 0.001789                 | (0.0012477, 0.0024495) |
| Indonesia | Breast cancer                                 | 75  | 166.8         | (59.8, 355.8)          | 0.000186                 | (0.0000665, 0.0003960) | 6,117.2       | (4,452.7, 7,966.1)     | 0.004994                 | (0.0036349, 0.0065030) |
| Indonesia | Cervical cancer                               | 75  |               |                        |                          |                        | 4,131.8       | (2,850.3, 5,680.7)     | 0.003373                 | (0.0023267, 0.0046373) |
| Indonesia | Other malignant neoplasms                     | 75  | 15,665.5      | (13,297.3, 18,249.0)   | 0.017437                 | (0.0148009, 0.0203124) | 20,989.3      | (18,138.5, 24,241.2)   | 0.017134                 | (0.0148069, 0.0197887) |
| Indonesia | Cerebrovascular disease                       | 75  | 191,283.5     | (171,021.5, 209,145.2) | 0.212912                 | (0.1903591, 0.2327935) | 262,398.7     | (244,541.5, 280,162.2) | 0.214203                 | (0.1996253, 0.2287033) |
| Indonesia | Ischemic heart disease                        | 75  | 148,275.6     | (133,186.7, 162,935.1) | 0.165041                 | (0.1482463, 0.1813584) | 136,600.8     | (125,995.3, 147,739.8) | 0.111511                 | (0.1028531, 0.1206036) |
| Indonesia | Other cardiovascular and circulatory diseases | 75  | 46,001.4      | (40,089.8, 51,645.3)   | 0.051203                 | (0.0446228, 0.0574849) | 63,982.3      | (58,020.0, 70,766.3)   | 0.052230                 | (0.0473632, 0.0577683) |

Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males         |                            |                          |                        | Females       |                            |                          |                        |
|-----------|----------------------------------------------------------|-----|---------------|----------------------------|--------------------------|------------------------|---------------|----------------------------|--------------------------|------------------------|
|           |                                                          |     | YLLs (95% UI) |                            | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                            | YLLs per capita (95% UI) |                        |
| Indonesia | Diabetes mellitus                                        | 75  | 31,257.1      | (26,988.1, 35,315.5)       | 0.034791                 | (0.0300397, 0.0393087) | 55,799.8      | (50,197.3, 61,622.5)       | 0.045551                 | (0.0409773, 0.0503040) |
| Indonesia | Chronic kidney disease                                   | 75  | 16,525.0      | (14,046.0, 19,414.8)       | 0.018394                 | (0.0156342, 0.0216100) | 17,831.9      | (15,569.9, 20,455.5)       | 0.014557                 | (0.0127101, 0.0166983) |
| Indonesia | Cirrhosis                                                | 75  | 21,815.9      | (18,545.7, 25,181.3)       | 0.024283                 | (0.0206427, 0.0280286) | 19,147.7      | (16,845.0, 21,920.0)       | 0.015631                 | (0.0137510, 0.0178938) |
| Indonesia | Chronic respiratory diseases                             | 75  | 84,590.2      | (75,997.6, 93,802.6)       | 0.094155                 | (0.0845908, 0.1044090) | 67,561.3      | (61,810.5, 73,511.8)       | 0.055152                 | (0.0504574, 0.0600095) |
| Indonesia | Other non-communicable diseases                          | 75  | 77,708.0      | (69,453.8, 86,095.6)       | 0.086495                 | (0.0773070, 0.0958306) | 101,287.6     | (93,725.9, 109,341.4)      | 0.082684                 | (0.0765108, 0.0892581) |
| Indonesia | Drowning                                                 | 75  | 1,619.2       | (924.9, 2,758.0)           | 0.001802                 | (0.0010295, 0.0030698) | 1,378.9       | (810.0, 2,305.3)           | 0.001126                 | (0.0006612, 0.0018819) |
| Indonesia | Falls                                                    | 75  | 10,252.8      | (8,011.1, 12,924.0)        | 0.011412                 | (0.0089169, 0.0143854) | 8,967.2       | (7,064.0, 11,151.5)        | 0.007320                 | (0.0057665, 0.0091032) |
| Indonesia | Interpersonal violence                                   | 75  | 237.6         | (84.3, 564.3)              | 0.000264                 | (0.0000938, 0.0006281) | 159.7         | (57.7, 394.8)              | 0.000130                 | (0.0000471, 0.0003223) |
| Indonesia | Self-harm                                                | 75  | 1,160.6       | (709.8, 1,799.5)           | 0.001292                 | (0.0007900, 0.0020030) | 586.2         | (335.0, 952.3)             | 0.000479                 | (0.0002735, 0.0007774) |
| Indonesia | Transport injuries                                       | 75  | 7,867.2       | (5,752.4, 10,345.9)        | 0.008757                 | (0.0064028, 0.0115157) | 4,077.5       | (2,969.4, 5,533.2)         | 0.003329                 | (0.0024240, 0.0045169) |
| Indonesia | Other unintentional injuries                             | 75  | 4,272.2       | (3,082.5, 5,707.9)         | 0.004755                 | (0.0034311, 0.0063532) | 2,273.1       | (1,580.9, 3,160.3)         | 0.001856                 | (0.0012905, 0.0025798) |
| Indonesia | Diarrheal diseases                                       | 80  | 75,720.4      | (68,384.9, 83,331.4)       | 0.109818                 | (0.0991789, 0.1208558) | 128,510.3     | (117,715.4, 138,618.8)     | 0.123567                 | (0.1131874, 0.1332867) |
| Indonesia | HIV/AIDS                                                 | 80  | 480.5         | (166.5, 1,132.7)           | 0.000697                 | (0.0002414, 0.0016427) | 646.0         | (234.4, 1,523.2)           | 0.000621                 | (0.0002254, 0.0014646) |
| Indonesia | Lower respiratory infections                             | 80  | 28,312.1      | (24,399.1, 32,874.2)       | 0.041061                 | (0.0353860, 0.0476776) | 43,508.5      | (37,774.8, 49,748.4)       | 0.041835                 | (0.0363217, 0.0478348) |
| Indonesia | Malaria                                                  | 80  | 1,779.3       | (982.1, 2,904.8)           | 0.002581                 | (0.0014244, 0.0042128) | 1,685.3       | (866.4, 2,864.9)           | 0.001620                 | (0.0008331, 0.0027547) |
| Indonesia | Tuberculosis                                             | 80  | 60,818.8      | (54,561.5, 67,286.0)       | 0.088206                 | (0.0791307, 0.0975851) | 62,435.8      | (56,130.4, 69,442.2)       | 0.060034                 | (0.0539713, 0.0667711) |
| Indonesia | Other communicable diseases                              | 80  | 20,343.8      | (16,863.6, 24,195.2)       | 0.029505                 | (0.0244574, 0.0350903) | 27,242.5      | (22,571.3, 32,354.6)       | 0.026195                 | (0.0217031, 0.0311101) |
| Indonesia | Tracheal, bronchus, and lung cancer                      | 80  | 5,993.5       | (4,262.5, 8,180.1)         | 0.008692                 | (0.0061819, 0.0118636) | 2,595.9       | (1,662.0, 3,863.0)         | 0.002496                 | (0.0015980, 0.0037144) |
| Indonesia | Breast cancer                                            | 80  | 135.1         | (40.1, 339.2)              | 0.000196                 | (0.0000582, 0.0004919) | 5,721.9       | (3,666.7, 8,482.5)         | 0.005502                 | (0.0035257, 0.0081562) |
| Indonesia | Cervical cancer                                          | 80  |               |                            |                          |                        | 3,398.5       | (1,883.7, 5,493.7)         | 0.003268                 | (0.0018112, 0.0052823) |
| Indonesia | Other malignant neoplasms                                | 80  | 14,123.7      | (11,778.7, 16,778.6)       | 0.020484                 | (0.0170826, 0.0243341) | 23,440.8      | (19,090.0, 27,870.3)       | 0.022539                 | (0.0183557, 0.0267982) |
| Indonesia | Cerebrovascular disease                                  | 80  | 216,424.3     | (200,356.1, 232,228.9)     | 0.313881                 | (0.2905771, 0.3368022) | 373,863.8     | (352,298.1, 394,358.1)     | 0.359483                 | (0.3387469, 0.3791891) |
| Indonesia | Ischemic heart disease                                   | 80  | 152,034.0     | (140,098.8, 164,531.6)     | 0.220495                 | (0.2031857, 0.2386207) | 193,257.0     | (179,612.7, 206,608.2)     | 0.185823                 | (0.1727038, 0.1986610) |
| Indonesia | Other cardiovascular and circulatory diseases            | 80  | 48,753.6      | (42,543.6, 55,618.6)       | 0.070708                 | (0.0617011, 0.0806639) | 84,358.9      | (75,433.0, 94,723.8)       | 0.081114                 | (0.0725315, 0.0910802) |
| Indonesia | Diabetes mellitus                                        | 80  | 27,598.6      | (23,775.3, 31,554.9)       | 0.040026                 | (0.0344813, 0.0457641) | 64,877.9      | (57,226.5, 73,491.0)       | 0.062382                 | (0.0550253, 0.0706642) |
| Indonesia | Chronic kidney disease                                   | 80  | 14,979.5      | (12,429.1, 17,914.6)       | 0.021725                 | (0.0180260, 0.0259815) | 21,045.5      | (17,685.0, 24,706.5)       | 0.020236                 | (0.0170047, 0.0237562) |
| Indonesia | Cirrhosis                                                | 80  | 20,786.9      | (17,478.6, 24,451.0)       | 0.030147                 | (0.0253492, 0.0354613) | 22,634.2      | (19,176.4, 26,478.7)       | 0.021764                 | (0.0184388, 0.0254602) |
| Indonesia | Chronic respiratory diseases                             | 80  | 96,645.6      | (88,653.0, 105,477.6)      | 0.140165                 | (0.1285738, 0.1529745) | 94,854.1      | (87,151.4, 103,858.4)      | 0.091206                 | (0.0837991, 0.0998634) |
| Indonesia | Other non-communicable diseases                          | 80  | 97,050.7      | (87,967.0, 106,143.5)      | 0.140753                 | (0.1275788, 0.1539402) | 158,632.0     | (146,162.0, 170,532.1)     | 0.152530                 | (0.1405399, 0.1639726) |
| Indonesia | Drowning                                                 | 80  | 1,823.7       | (924.1, 3,277.1)           | 0.002645                 | (0.0013402, 0.0047527) | 1,666.7       | (787.1, 2,986.5)           | 0.001603                 | (0.0007569, 0.0028716) |
| Indonesia | Falls                                                    | 80  | 14,640.4      | (11,292.5, 18,355.4)       | 0.021233                 | (0.0163776, 0.0266209) | 14,453.3      | (11,538.5, 17,653.6)       | 0.013897                 | (0.0110946, 0.0169746) |
| Indonesia | Interpersonal violence                                   | 80  | 194.5         | (41.1, 525.4)              | 0.000282                 | (0.0000595, 0.0007619) | 170.3         | (41.4, 496.9)              | 0.000164                 | (0.0000398, 0.0004778) |
| Indonesia | Self-harm                                                | 80  | 1,132.6       | (601.8, 2,006.0)           | 0.001643                 | (0.0008728, 0.0029093) | 748.8         | (375.1, 1,327.6)           | 0.000720                 | (0.0003607, 0.0012765) |
| Indonesia | Transport injuries                                       | 80  | 7,441.0       | (5,177.0, 10,204.0)        | 0.010792                 | (0.0075082, 0.0147989) | 4,556.6       | (2,999.9, 6,528.0)         | 0.004381                 | (0.0028845, 0.0062769) |
| Indonesia | Other unintentional injuries                             | 80  | 4,334.9       | (2,758.5, 6,335.4)         | 0.006287                 | (0.0040007, 0.0091882) | 2,812.9       | (1,753.4, 4,210.5)         | 0.002705                 | (0.0016860, 0.0040485) |
| Indonesia | Diarrheal diseases                                       | All | 818,337.6     | (738,459.0, 903,484.3)     | 0.006382                 | (0.0057593, 0.0070464) | 877,572.0     | (805,944.4, 954,985.7)     | 0.006944                 | (0.0063774, 0.0075567) |
| Indonesia | HIV/AIDS                                                 | All | 235,224.6     | (198,140.6, 281,058.2)     | 0.001835                 | (0.0015453, 0.0021920) | 130,682.7     | (105,397.9, 160,593.5)     | 0.001034                 | (0.0008340, 0.0012708) |
| Indonesia | Lower respiratory infections                             | All | 1,130,422.0   | (1,008,928.0, 1,253,900.0) | 0.008816                 | (0.0078687, 0.0097793) | 794,450.6     | (713,471.7, 888,162.8)     | 0.006286                 | (0.0056456, 0.0070279) |
| Indonesia | Malaria                                                  | All | 88,318.5      | (66,218.4, 118,681.9)      | 0.000689                 | (0.0005164, 0.0009256) | 54,983.5      | (38,013.3, 77,763.4)       | 0.000435                 | (0.0003008, 0.0006153) |
| Indonesia | Tuberculosis                                             | All | 2,072,254.0   | (1,928,835.0, 2,211,870.0) | 0.016162                 | (0.0150432, 0.0172506) | 1,075,309.0   | (996,984.7, 1,156,778.0)   | 0.008509                 | (0.0078890, 0.0091535) |
| Indonesia | Maternal disorders                                       | All |               |                            |                          |                        | 257,202.6     | (226,708.7, 288,348.3)     | 0.002035                 | (0.0017939, 0.0022817) |
| Indonesia | Neonatal encephalopathy due to birth asphyxia and trauma | All | 1,101,991.0   | (902,169.8, 1,322,075.0)   | 0.008595                 | (0.0070361, 0.0103110) | 733,978.1     | (590,078.0, 906,436.2)     | 0.005808                 | (0.0046692, 0.0071725) |
| Indonesia | Preterm birth complications                              | All | 1,037,941.0   | (842,795.9, 1,247,437.0)   | 0.008095                 | (0.0065731, 0.0097289) | 902,239.0     | (733,640.6, 1,098,482.0)   | 0.007139                 | (0.0058052, 0.0086922) |
| Indonesia | Other neonatal disorders                                 | All | 423,239.3     | (324,727.9, 526,373.6)     | 0.003301                 | (0.0025326, 0.0041052) | 268,352.7     | (201,755.3, 341,229.6)     | 0.002123                 | (0.0015965, 0.0027001) |
| Indonesia | Other communicable diseases                              | All | 1,628,436.0   | (1,502,889.0, 1,757,320.0) | 0.012700                 | (0.0117212, 0.0137055) | 1,085,898.0   | (990,930.0, 1,184,431.0)   | 0.008593                 | (0.0078411, 0.0093723) |
| Indonesia | Tracheal, bronchus, and lung cancer                      | All | 219,716.3     | (190,087.3, 252,352.1)     | 0.001714                 | (0.0014825, 0.0019681) | 74,535.4      | (59,409.3, 91,545.1)       | 0.000590                 | (0.0004701, 0.0007244) |
| Indonesia | Breast cancer                                            | All | 11,505.2      | (6,825.0, 19,415.8)        | 0.000090                 | (0.0000532, 0.0001514) | 536,134.1     | (486,966.7, 587,646.8)     | 0.004242                 | (0.0038533, 0.0046500) |
| Indonesia | Cervical cancer                                          | All |               |                            |                          |                        | 333,134.6     | (292,131.0, 375,010.3)     | 0.002636                 | (0.0023116, 0.0029674) |
| Indonesia | Other malignant neoplasms                                | All | 1,164,352.0   | (1,076,336.0, 1,265,850.0) | 0.009081                 | (0.0083945, 0.0098726) | 771,868.4     | (705,518.6, 836,394.3)     | 0.006108                 | (0.0055827, 0.0066183) |
| Indonesia | Cerebrovascular disease                                  | All | 3,047,679.0   | (2,825,390.0, 3,270,220.0) | 0.023769                 | (0.0220355, 0.0255049) | 2,895,272.0   | (2,728,266.0, 3,064,710.0) | 0.022910                 | (0.0215885, 0.0242507) |
| Indonesia | Ischemic heart disease                                   | All | 2,948,584.0   | (2,749,281.0, 3,155,770.0) | 0.022996                 | (0.0214419, 0.0246123) | 1,724,291.0   | (1,615,121.0, 1,845,850.0) | 0.013644                 | (0.0127803, 0.0146061) |

Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males         |                         |                          |                        | Females       |                         |                          |                        |
|-----------|----------------------------------------------------------|-----|---------------|-------------------------|--------------------------|------------------------|---------------|-------------------------|--------------------------|------------------------|
|           |                                                          |     | YLLs (95% UI) |                         | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                         | YLLs per capita (95% UI) |                        |
| Indonesia | Other cardiovascular and circulatory diseases            | All | 738,113.6     | (672,844.9, 809,724.8)  | 0.005757                 | (0.0052476, 0.0063151) | 751,541.1     | (692,082.3, 816,105.0)  | 0.005947                 | (0.0054764, 0.0064578) |
| Indonesia | Diabetes mellitus                                        | All | 1,048,955.0   | (968,318.2, 1,138,705)  | 0.008181                 | (0.0075520, 0.0088809) | 1,205,605.0   | (1,128,453.0, 1,298,44) | 0.009540                 | (0.0089293, 0.0102744) |
| Indonesia | Chronic kidney disease                                   | All | 636,486.1     | (577,235.8, 700,188.6)  | 0.004964                 | (0.0045019, 0.0054608) | 477,718.8     | (435,267.3, 523,708.2)  | 0.003780                 | (0.0034442, 0.0041440) |
| Indonesia | Cirrhosis                                                | All | 1,068,160.0   | (980,558.2, 1,159,198)  | 0.008331                 | (0.0076475, 0.0090407) | 539,276.5     | (489,773.6, 591,619.9)  | 0.004267                 | (0.0038755, 0.0046814) |
| Indonesia | Chronic respiratory diseases                             | All | 1,213,527.0   | (1,130,337.0, 1,307,56) | 0.009464                 | (0.0088156, 0.0101978) | 733,061.3     | (685,991.7, 787,817.0)  | 0.005801                 | (0.0054282, 0.0062339) |
| Indonesia | Other non-communicable diseases                          | All | 2,358,534.0   | (2,192,797.0, 2,532,16) | 0.018395                 | (0.0171019, 0.0197487) | 2,139,928.0   | (2,005,327.0, 2,289,32) | 0.016933                 | (0.0158679, 0.0181152) |
| Indonesia | Drowning                                                 | All | 400,384.2     | (347,572.7, 458,716.4)  | 0.003123                 | (0.0027108, 0.0035776) | 136,369.8     | (107,052.4, 167,166.1)  | 0.001079                 | (0.0008471, 0.0013228) |
| Indonesia | Falls                                                    | All | 342,150.0     | (301,926.7, 388,479.3)  | 0.002669                 | (0.0023548, 0.0030298) | 167,990.2     | (145,471.9, 197,137.5)  | 0.001329                 | (0.0011511, 0.0015599) |
| Indonesia | Interpersonal violence                                   | All | 93,814.5      | (70,898.7, 120,807.0)   | 0.000732                 | (0.0005529, 0.0009422) | 55,720.3      | (38,498.8, 78,342.5)    | 0.000441                 | (0.0003046, 0.0006199) |
| Indonesia | Self-harm                                                | All | 134,677.9     | (108,297.3, 164,672.7)  | 0.001050                 | (0.0008446, 0.0012843) | 63,901.1      | (47,929.7, 83,137.5)    | 0.000506                 | (0.0003793, 0.0006579) |
| Indonesia | Transport injuries                                       | All | 1,832,010.0   | (1,714,004.0, 1,959,87) | 0.014288                 | (0.0133677, 0.0152853) | 576,311.4     | (523,382.8, 630,781.1)  | 0.004560                 | (0.0041415, 0.0049913) |
| Indonesia | Other unintentional injuries                             | All | 543,207.2     | (482,318.0, 614,006.3)  | 0.004237                 | (0.0037617, 0.0047887) | 196,959.2     | (165,891.1, 233,434.5)  | 0.001559                 | (0.0013127, 0.0018471) |
| Aceh      | Diarrheal diseases                                       | NN  | 469.8         | (184.2, 971.5)          | 0.109076                 | (0.0427628, 0.2255464) | 351.0         | (135.2, 744.6)          | 0.085941                 | (0.0331156, 0.1823294) |
| Aceh      | Lower respiratory infections                             | NN  | 4,286.1       | (1,894.0, 7,633.8)      | 0.995055                 | (0.4397110, 1.7722590) | 2,409.2       | (1,034.4, 4,535.3)      | 0.589921                 | (0.2532805, 1.1105020) |
| Aceh      | Malaria                                                  | NN  | 10.2          | (0.7, 44.4)             | 0.002363                 | (0.0001718, 0.0102989) | 5.4           | (0.4, 21.4)             | 0.001311                 | (0.0000936, 0.0052295) |
| Aceh      | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 10,969.2      | (5,086.9, 18,535.9)     | 2.546597                 | (1.1809670, 4.3032832) | 6,899.3       | (3,272.2, 12,363.0)     | 1.689347                 | (0.8012384, 3.0271821) |
| Aceh      | Preterm birth complications                              | NN  | 7,319.5       | (3,119.1, 13,614.9)     | 1.699282                 | (0.7241292, 3.1608300) | 6,070.6       | (2,759.2, 11,283.2)     | 1.486438                 | (0.6756145, 2.7627950) |
| Aceh      | Other neonatal disorders                                 | NN  | 3,531.5       | (937.2, 7,680.1)        | 0.819865                 | (0.2175768, 1.7830120) | 2,104.4       | (513.0, 5,030.3)        | 0.515268                 | (0.1256221, 1.2317100) |
| Aceh      | Other communicable diseases                              | NN  | 347.9         | (124.8, 709.2)          | 0.080772                 | (0.0289681, 0.1646366) | 184.0         | (63.3, 404.2)           | 0.045056                 | (0.0154946, 0.0989684) |
| Aceh      | Other malignant neoplasms                                | NN  | 175.9         | (57.1, 369.0)           | 0.040831                 | (0.0132540, 0.0856560) | 127.4         | (43.8, 286.3)           | 0.031196                 | (0.0107342, 0.0700972) |
| Aceh      | Cerebrovascular disease                                  | NN  | 81.1          | (18.7, 212.5)           | 0.018837                 | (0.0043424, 0.0493359) | 75.8          | (19.1, 207.5)           | 0.018553                 | (0.0046759, 0.0508187) |
| Aceh      | Other cardiovascular and circulatory diseases            | NN  | 38.1          | (7.4, 114.4)            | 0.008836                 | (0.0017245, 0.0265489) | 33.9          | (6.6, 109.5)            | 0.008291                 | (0.0016065, 0.0268165) |
| Aceh      | Diabetes mellitus                                        | NN  | 11.4          | (0.1, 94.3)             | 0.002656                 | (0.0000152, 0.0218922) | 14.2          | (0.1, 108.2)            | 0.003489                 | (0.0000203, 0.0264914) |
| Aceh      | Other non-communicable diseases                          | NN  | 4,468.3       | (2,067.1, 7,435.3)      | 1.037357                 | (0.4798869, 1.7261740) | 3,668.9       | (1,764.9, 6,419.1)      | 0.898367                 | (0.4321544, 1.5717810) |
| Aceh      | Drowning                                                 | NN  | 264.1         | (83.3, 620.2)           | 0.061315                 | (0.0193504, 0.1439966) | 58.9          | (17.9, 144.3)           | 0.014420                 | (0.0043941, 0.0353400) |
| Aceh      | Falls                                                    | NN  | 111.1         | (32.7, 294.9)           | 0.025796                 | (0.0075848, 0.0684655) | 33.9          | (9.3, 90.0)             | 0.008300                 | (0.0022668, 0.0220361) |
| Aceh      | Interpersonal violence                                   | NN  | 108.1         | (30.5, 288.8)           | 0.025087                 | (0.0070808, 0.0670493) | 54.0          | (14.9, 136.6)           | 0.013216                 | (0.0036500, 0.0334437) |
| Aceh      | Transport injuries                                       | NN  | 222.2         | (70.6, 513.8)           | 0.051577                 | (0.0163916, 0.1192877) | 49.8          | (14.3, 120.3)           | 0.012196                 | (0.0034935, 0.0294682) |
| Aceh      | Other unintentional injuries                             | NN  | 769.9         | (297.2, 1,541.2)        | 0.178734                 | (0.0689896, 0.3577936) | 226.2         | (80.9, 482.8)           | 0.055398                 | (0.0198203, 0.1182288) |
| Aceh      | Diarrheal diseases                                       | PNN | 160.5         | (69.4, 292.2)           | 0.002985                 | (0.0012907, 0.0054353) | 175.7         | (77.5, 325.1)           | 0.003446                 | (0.0015197, 0.0063775) |
| Aceh      | HIV/AIDS                                                 | PNN | 4.1           | (0.8, 12.0)             | 0.000077                 | (0.0000155, 0.0002233) | 3.3           | (0.6, 10.5)             | 0.000065                 | (0.0000116, 0.0002055) |
| Aceh      | Lower respiratory infections                             | PNN | 123.5         | (54.1, 216.6)           | 0.002297                 | (0.0010070, 0.0040289) | 98.3          | (43.2, 181.8)           | 0.001928                 | (0.0008474, 0.0035673) |
| Aceh      | Malaria                                                  | PNN | 3.4           | (0.3, 13.7)             | 0.000063                 | (0.0000051, 0.0002553) | 2.6           | (0.2, 10.6)             | 0.000051                 | (0.0000036, 0.0002082) |
| Aceh      | Tuberculosis                                             | PNN | 8.4           | (3.0, 17.5)             | 0.000156                 | (0.0000561, 0.0003264) | 6.8           | (2.4, 14.4)             | 0.000134                 | (0.0000475, 0.0002817) |
| Aceh      | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 9.9           | (2.6, 24.4)             | 0.000184                 | (0.0000477, 0.0004545) | 8.2           | (2.1, 21.0)             | 0.000160                 | (0.0000421, 0.0004112) |
| Aceh      | Preterm birth complications                              | PNN | 15.0          | (4.9, 35.8)             | 0.000279                 | (0.0000908, 0.0006656) | 18.8          | (5.9, 47.7)             | 0.000370                 | (0.0001157, 0.0009360) |
| Aceh      | Other neonatal disorders                                 | PNN | 10.8          | (1.9, 29.4)             | 0.000201                 | (0.0000345, 0.0005466) | 8.9           | (1.5, 26.9)             | 0.000175                 | (0.0000288, 0.0005275) |
| Aceh      | Other communicable diseases                              | PNN | 132.0         | (56.9, 234.1)           | 0.002455                 | (0.0010588, 0.0043545) | 102.4         | (40.2, 191.4)           | 0.002008                 | (0.0007889, 0.0037541) |
| Aceh      | Other malignant neoplasms                                | PNN | 2.9           | (1.0, 6.1)              | 0.000054                 | (0.0000191, 0.0001135) | 2.9           | (1.0, 6.6)              | 0.000057                 | (0.0000193, 0.0001302) |
| Aceh      | Cerebrovascular disease                                  | PNN | 1.3           | (0.4, 3.5)              | 0.000025                 | (0.0000065, 0.0000658) | 1.7           | (0.4, 4.3)              | 0.000034                 | (0.0000084, 0.0000850) |
| Aceh      | Ischemic heart disease                                   | PNN | 0.5           | (0.0, 2.6)              | 0.000009                 | (0.0000006, 0.0000479) | 0.6           | (0.0, 3.0)              | 0.000012                 | (0.0000007, 0.0000587) |
| Aceh      | Other cardiovascular and circulatory diseases            | PNN | 0.6           | (0.1, 1.8)              | 0.000012                 | (0.0000024, 0.0000328) | 0.8           | (0.2, 2.2)              | 0.000015                 | (0.0000034, 0.0000437) |
| Aceh      | Diabetes mellitus                                        | PNN | 0.2           | (0.0, 1.5)              | 0.000004                 | (0.0000000, 0.0000288) | 0.3           | (0.0, 2.6)              | 0.000006                 | (0.0000000, 0.0000502) |
| Aceh      | Chronic kidney disease                                   | PNN | 4.9           | (1.7, 11.0)             | 0.000091                 | (0.0000316, 0.0002044) | 4.8           | (1.5, 10.6)             | 0.000095                 | (0.0000303, 0.0002072) |
| Aceh      | Other non-communicable diseases                          | PNN | 73.5          | (34.2, 127.1)           | 0.001367                 | (0.0006365, 0.0023637) | 82.5          | (37.4, 149.4)           | 0.001618                 | (0.0007328, 0.0029312) |
| Aceh      | Drowning                                                 | PNN | 5.3           | (1.7, 12.4)             | 0.000100                 | (0.0000322, 0.0002302) | 1.6           | (0.5, 4.0)              | 0.000032                 | (0.0000099, 0.0000780) |
| Aceh      | Falls                                                    | PNN | 2.2           | (0.6, 5.1)              | 0.000040                 | (0.0000119, 0.0000955) | 0.9           | (0.2, 2.4)              | 0.000018                 | (0.0000049, 0.0000471) |
| Aceh      | Interpersonal violence                                   | PNN | 2.1           | (0.6, 5.2)              | 0.000039                 | (0.0000114, 0.0000960) | 1.4           | (0.4, 3.9)              | 0.000028                 | (0.0000076, 0.0000761) |
| Aceh      | Transport injuries                                       | PNN | 4.5           | (1.6, 10.2)             | 0.000083                 | (0.0000299, 0.0001892) | 1.4           | (0.5, 3.2)              | 0.000027                 | (0.0000089, 0.0000633) |
| Aceh      | Other unintentional injuries                             | PNN | 14.8          | (5.9, 30.6)             | 0.000276                 | (0.0001101, 0.0005699) | 6.0           | (2.1, 12.2)             | 0.000117                 | (0.0000418, 0.0002398) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|----------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Aceh     | Diarrheal diseases                                       | 1   | 1,113.1 (410.7, 2,327.7)   | 0.005058 (0.0018661, 0.0105764) | 1,536.6 (618.7, 3,167.6)   | 0.007083 (0.0028520, 0.0146019) |
| Aceh     | HIV/AIDS                                                 | 1   | 65.8 (11.9, 210.7)         | 0.000299 (0.0000541, 0.0009575) | 64.7 (10.8, 203.1)         | 0.000298 (0.0000498, 0.0009364) |
| Aceh     | Lower respiratory infections                             | 1   | 1,896.2 (720.6, 3,903.3)   | 0.008616 (0.0032743, 0.0177355) | 1,897.5 (761.3, 3,817.4)   | 0.008747 (0.0035092, 0.0175971) |
| Aceh     | Malaria                                                  | 1   | 19.3 (1.5, 80.0)           | 0.000088 (0.0000067, 0.0003634) | 19.0 (1.6, 82.8)           | 0.000088 (0.0000073, 0.0003815) |
| Aceh     | Tuberculosis                                             | 1   | 138.2 (44.9, 305.7)        | 0.000628 (0.0002039, 0.0013891) | 140.9 (49.0, 309.7)        | 0.000650 (0.0002259, 0.0014276) |
| Aceh     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 76.4 (17.5, 211.5)         | 0.000347 (0.0000795, 0.0009608) | 76.3 (18.9, 213.6)         | 0.000352 (0.0000871, 0.0009845) |
| Aceh     | Preterm birth complications                              | 1   | 22.0 (3.5, 77.1)           | 0.000100 (0.0000160, 0.0003504) | 33.0 (5.2, 108.5)          | 0.000152 (0.0000241, 0.0005003) |
| Aceh     | Other neonatal disorders                                 | 1   | 12.4 (0.1, 89.6)           | 0.000056 (0.0000003, 0.0004072) | 11.8 (0.1, 87.9)           | 0.000054 (0.0000003, 0.0004051) |
| Aceh     | Other communicable diseases                              | 1   | 2,023.7 (802.9, 4,164.9)   | 0.009195 (0.0036482, 0.0189239) | 2,012.9 (813.2, 3,950.7)   | 0.009279 (0.0037485, 0.0182117) |
| Aceh     | Other malignant neoplasms                                | 1   | 33.1 (9.8, 74.4)           | 0.000151 (0.0000443, 0.0003382) | 42.4 (13.3, 96.1)          | 0.000195 (0.0000613, 0.0004431) |
| Aceh     | Cerebrovascular disease                                  | 1   | 16.8 (3.6, 47.6)           | 0.000076 (0.0000162, 0.0002163) | 27.7 (6.5, 75.7)           | 0.000128 (0.0000298, 0.0003491) |
| Aceh     | Ischemic heart disease                                   | 1   | 6.0 (0.3, 28.1)            | 0.000027 (0.0000016, 0.0001275) | 9.7 (0.6, 49.4)            | 0.000045 (0.0000026, 0.0002276) |
| Aceh     | Other cardiovascular and circulatory diseases            | 1   | 7.5 (1.2, 23.9)            | 0.000034 (0.0000055, 0.0001086) | 11.5 (2.1, 37.4)           | 0.000053 (0.0000098, 0.0001723) |
| Aceh     | Diabetes mellitus                                        | 1   | 2.3 (0.0, 20.4)            | 0.000010 (0.0000001, 0.0000926) | 5.0 (0.0, 41.7)            | 0.000023 (0.0000001, 0.0001923) |
| Aceh     | Chronic kidney disease                                   | 1   | 53.6 (16.0, 134.7)         | 0.000243 (0.0000727, 0.0006122) | 69.2 (21.1, 169.8)         | 0.000319 (0.0000974, 0.0007827) |
| Aceh     | Cirrhosis                                                | 1   | 51.7 (13.3, 138.9)         | 0.000235 (0.0000605, 0.0006311) | 37.6 (9.9, 101.3)          | 0.000173 (0.0000455, 0.0004672) |
| Aceh     | Chronic respiratory diseases                             | 1   | 99.4 (27.2, 251.4)         | 0.000452 (0.0001236, 0.0011421) | 54.2 (15.9, 139.7)         | 0.000250 (0.0000731, 0.0006440) |
| Aceh     | Other non-communicable diseases                          | 1   | 837.1 (311.9, 1,719.2)     | 0.003804 (0.0014171, 0.0078116) | 1,217.7 (508.1, 2,362.8)   | 0.005613 (0.0023421, 0.0108918) |
| Aceh     | Drowning                                                 | 1   | 248.2 (78.9, 589.7)        | 0.001128 (0.0003585, 0.0026795) | 101.4 (29.2, 244.6)        | 0.000468 (0.0001346, 0.0011277) |
| Aceh     | Falls                                                    | 1   | 69.3 (20.6, 171.9)         | 0.000315 (0.0000938, 0.0007812) | 37.6 (10.7, 89.3)          | 0.000173 (0.0000491, 0.0004118) |
| Aceh     | Interpersonal violence                                   | 1   | 54.3 (16.0, 143.1)         | 0.000247 (0.0000726, 0.0006502) | 49.2 (13.2, 125.6)         | 0.000227 (0.0000609, 0.0005789) |
| Aceh     | Transport injuries                                       | 1   | 184.1 (58.9, 440.2)        | 0.000837 (0.0002678, 0.0020001) | 73.7 (23.2, 169.6)         | 0.000340 (0.0001068, 0.0007817) |
| Aceh     | Other unintentional injuries                             | 1   | 408.9 (154.0, 873.1)       | 0.001858 (0.0006997, 0.0039669) | 213.9 (79.7, 439.5)        | 0.000986 (0.0003675, 0.0020262) |
| Aceh     | Diarrheal diseases                                       | 5   | 1,822.8 (1,166.2, 2,594.4) | 0.007017 (0.0044891, 0.0099870) | 1,789.6 (1,193.7, 2,467.3) | 0.007208 (0.0048079, 0.0099375) |
| Aceh     | HIV/AIDS                                                 | 5   | 80.3 (14.5, 251.3)         | 0.000309 (0.0000556, 0.0009673) | 55.5 (9.7, 182.4)          | 0.000223 (0.0000391, 0.0007347) |
| Aceh     | Lower respiratory infections                             | 5   | 2,219.5 (1,540.1, 3,036.5) | 0.008544 (0.0059287, 0.0116890) | 1,560.8 (1,083.1, 2,109.9) | 0.006287 (0.0043624, 0.0084978) |
| Aceh     | Malaria                                                  | 5   | 30.6 (3.2, 118.9)          | 0.000118 (0.0000122, 0.0004575) | 21.3 (2.2, 75.3)           | 0.000086 (0.0000089, 0.0003032) |
| Aceh     | Tuberculosis                                             | 5   | 229.1 (119.4, 389.6)       | 0.000882 (0.0004594, 0.0014997) | 164.2 (86.4, 273.0)        | 0.000662 (0.0003481, 0.0010994) |
| Aceh     | Other communicable diseases                              | 5   | 3,278.5 (2,364.5, 4,313.9) | 0.012621 (0.0091020, 0.0166062) | 2,318.2 (1,669.7, 3,032.9) | 0.009337 (0.0067248, 0.0122156) |
| Aceh     | Other malignant neoplasms                                | 5   | 497.8 (264.5, 817.7)       | 0.001916 (0.0010183, 0.0031476) | 460.0 (246.3, 734.9)       | 0.001853 (0.0009918, 0.0029598) |
| Aceh     | Cerebrovascular disease                                  | 5   | 169.1 (81.5, 299.5)        | 0.000651 (0.0003138, 0.0011529) | 200.1 (102.6, 336.9)       | 0.000806 (0.0004131, 0.0013571) |
| Aceh     | Ischemic heart disease                                   | 5   | 69.4 (24.9, 148.9)         | 0.000267 (0.0000959, 0.0005734) | 80.1 (30.2, 161.3)         | 0.000323 (0.0001215, 0.0006496) |
| Aceh     | Other cardiovascular and circulatory diseases            | 5   | 83.9 (28.6, 189.3)         | 0.000323 (0.0001100, 0.0007287) | 92.3 (36.0, 192.4)         | 0.000372 (0.0001450, 0.0007749) |
| Aceh     | Diabetes mellitus                                        | 5   | 67.2 (23.9, 159.1)         | 0.000259 (0.0000919, 0.0006123) | 107.2 (40.2, 242.6)        | 0.000432 (0.0001619, 0.0009770) |
| Aceh     | Chronic kidney disease                                   | 5   | 272.9 (128.3, 463.7)       | 0.001051 (0.0004938, 0.0017849) | 255.9 (128.7, 425.3)       | 0.001031 (0.0005183, 0.0017130) |
| Aceh     | Cirrhosis                                                | 5   | 337.0 (158.4, 577.7)       | 0.001297 (0.0006098, 0.0022237) | 178.5 (87.4, 302.0)        | 0.000719 (0.0003518, 0.0012163) |
| Aceh     | Chronic respiratory diseases                             | 5   | 203.0 (95.5, 390.0)        | 0.000781 (0.0003678, 0.0015012) | 78.5 (34.9, 151.0)         | 0.000316 (0.0001406, 0.0006083) |
| Aceh     | Other non-communicable diseases                          | 5   | 1,860.6 (1,351.8, 2,408.6) | 0.007162 (0.0052035, 0.0092717) | 1,951.1 (1,473.2, 2,458.1) | 0.007858 (0.0059335, 0.0099004) |
| Aceh     | Drowning                                                 | 5   | 2,411.4 (1,507.8, 3,449.9) | 0.009283 (0.0058044, 0.0132804) | 955.0 (542.1, 1,439.7)     | 0.003847 (0.0021835, 0.0057985) |
| Aceh     | Falls                                                    | 5   | 345.0 (153.2, 669.5)       | 0.001328 (0.0005896, 0.0025771) | 171.5 (76.8, 328.8)        | 0.000691 (0.0003094, 0.0013244) |
| Aceh     | Interpersonal violence                                   | 5   | 121.0 (50.2, 237.1)        | 0.000466 (0.0001934, 0.0009127) | 99.1 (41.9, 198.1)         | 0.000399 (0.0001688, 0.0007977) |
| Aceh     | Transport injuries                                       | 5   | 1,749.7 (1,057.2, 2,713.5) | 0.006736 (0.0040698, 0.0104457) | 674.6 (379.6, 1,134.5)     | 0.002717 (0.0015290, 0.0045695) |
| Aceh     | Other unintentional injuries                             | 5   | 1,060.8 (635.1, 1,636.2)   | 0.004084 (0.0024446, 0.0062984) | 512.0 (292.1, 833.1)       | 0.002062 (0.0011763, 0.0033556) |
| Aceh     | Diarrheal diseases                                       | 10  | 899.2 (534.9, 1,403.8)     | 0.003517 (0.0020923, 0.0054909) | 881.2 (538.1, 1,322.3)     | 0.003607 (0.0022022, 0.0054118) |
| Aceh     | HIV/AIDS                                                 | 10  | 86.7 (20.4, 242.3)         | 0.000339 (0.0000798, 0.0009477) | 61.7 (14.1, 166.8)         | 0.000252 (0.0000578, 0.0006828) |
| Aceh     | Lower respiratory infections                             | 10  | 1,659.1 (1,112.4, 2,341.6) | 0.006489 (0.0043512, 0.0091588) | 1,150.3 (776.8, 1,622.2)   | 0.004708 (0.0031794, 0.0066393) |
| Aceh     | Malaria                                                  | 10  | 61.3 (7.4, 213.6)          | 0.000240 (0.0000291, 0.0008353) | 43.8 (5.3, 149.0)          | 0.000179 (0.0000218, 0.0006096) |
| Aceh     | Tuberculosis                                             | 10  | 574.1 (317.4, 909.0)       | 0.002246 (0.0012414, 0.0035553) | 425.7 (242.3, 659.3)       | 0.001743 (0.0009917, 0.0026983) |
| Aceh     | Maternal disorders                                       | 10  |                            |                                 | 35.5 (6.6, 89.2)           | 0.000145 (0.0000269, 0.0003650) |
| Aceh     | Other communicable diseases                              | 10  | 2,400.6 (1,637.1, 3,214.2) | 0.009390 (0.0064034, 0.0125721) | 1,640.3 (1,128.2, 2,202.6) | 0.006713 (0.0046174, 0.0090147) |
| Aceh     | Other malignant neoplasms                                | 10  | 676.3 (395.3, 1,015.5)     | 0.002645 (0.0015463, 0.0039721) | 665.2 (419.1, 993.3)       | 0.002723 (0.0017153, 0.0040655) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Aceh     | Cerebrovascular disease                       | 10  | 264.9 (150.9, 415.8)       | 0.001036 (0.0005902, 0.0016264) | 304.7 (185.5, 471.8)       | 0.001247 (0.0007591, 0.0019309) |
| Aceh     | Ischemic heart disease                        | 10  | 163.4 (87.4, 272.7)        | 0.000639 (0.0003420, 0.0010667) | 181.8 (105.4, 295.1)       | 0.000744 (0.0004313, 0.0012079) |
| Aceh     | Other cardiovascular and circulatory diseases | 10  | 119.2 (52.4, 240.3)        | 0.000466 (0.0002051, 0.0009399) | 132.2 (62.9, 252.7)        | 0.000541 (0.0002575, 0.0010340) |
| Aceh     | Diabetes mellitus                             | 10  | 90.9 (45.9, 164.2)         | 0.000356 (0.0001797, 0.0006422) | 147.9 (76.8, 268.5)        | 0.000605 (0.0003141, 0.0010987) |
| Aceh     | Chronic kidney disease                        | 10  | 364.0 (215.9, 553.4)       | 0.001424 (0.0008446, 0.0021647) | 350.3 (210.2, 533.2)       | 0.001434 (0.0008604, 0.0021824) |
| Aceh     | Cirrhosis                                     | 10  | 369.5 (204.6, 566.6)       | 0.001445 (0.0008002, 0.0022163) | 194.9 (106.3, 303.8)       | 0.000798 (0.0004351, 0.0012436) |
| Aceh     | Chronic respiratory diseases                  | 10  | 408.3 (232.7, 686.9)       | 0.001597 (0.0009103, 0.0026866) | 175.5 (92.4, 312.2)        | 0.000718 (0.0003782, 0.0012777) |
| Aceh     | Other non-communicable diseases               | 10  | 2,071.3 (1,576.9, 2,628.2) | 0.008102 (0.0061678, 0.0102802) | 2,133.6 (1,671.9, 2,633.4) | 0.008733 (0.0068426, 0.0107779) |
| Aceh     | Drowning                                      | 10  | 1,229.1 (649.7, 1,912.7)   | 0.004808 (0.0025412, 0.0074815) | 407.3 (188.8, 695.7)       | 0.001667 (0.0007726, 0.0028473) |
| Aceh     | Falls                                         | 10  | 298.1 (134.3, 592.2)       | 0.001166 (0.0005251, 0.0023164) | 130.8 (56.1, 268.9)        | 0.000535 (0.0002295, 0.0011004) |
| Aceh     | Interpersonal violence                        | 10  | 181.6 (98.2, 315.2)        | 0.000710 (0.0003840, 0.0012329) | 140.7 (70.2, 249.2)        | 0.000576 (0.0002874, 0.0010198) |
| Aceh     | Self-harm                                     | 10  | 308.7 (151.1, 567.9)       | 0.001208 (0.0005908, 0.0022215) | 204.6 (98.7, 370.1)        | 0.000838 (0.0004041, 0.0015149) |
| Aceh     | Transport injuries                            | 10  | 2,539.7 (1,740.8, 3,456.6) | 0.009934 (0.0068091, 0.0135202) | 923.2 (580.8, 1,375.5)     | 0.003779 (0.0023771, 0.0056295) |
| Aceh     | Other unintentional injuries                  | 10  | 1,016.5 (635.2, 1,500.1)   | 0.003976 (0.0024847, 0.0058676) | 450.5 (270.2, 702.4)       | 0.001844 (0.0011057, 0.0028749) |
| Aceh     | Diarrheal diseases                            | 15  | 607.0 (307.6, 1,050.6)     | 0.002542 (0.0012883, 0.0043994) | 534.2 (266.3, 900.2)       | 0.002266 (0.0011299, 0.0038193) |
| Aceh     | HIV/AIDS                                      | 15  | 117.5 (25.7, 355.6)        | 0.000492 (0.0001076, 0.0014891) | 81.3 (17.2, 253.3)         | 0.000345 (0.0000729, 0.0010746) |
| Aceh     | Lower respiratory infections                  | 15  | 1,223.7 (734.9, 1,930.5)   | 0.005124 (0.0030776, 0.0080842) | 707.7 (401.9, 1,169.9)     | 0.003002 (0.0017051, 0.0049632) |
| Aceh     | Malaria                                       | 15  | 187.8 (25.6, 602.8)        | 0.000787 (0.0001070, 0.0025243) | 134.1 (16.7, 399.9)        | 0.000569 (0.0000709, 0.0016966) |
| Aceh     | Tuberculosis                                  | 15  | 1,636.8 (1,043.2, 2,390.5) | 0.006854 (0.0043686, 0.0100105) | 1,093.4 (713.1, 1,535.3)   | 0.004639 (0.0030254, 0.0065135) |
| Aceh     | Maternal disorders                            | 15  |                            |                                 | 379.6 (190.9, 640.8)       | 0.001610 (0.0008099, 0.0027185) |
| Aceh     | Other communicable diseases                   | 15  | 1,913.2 (1,211.3, 2,747.1) | 0.008012 (0.0050724, 0.0115036) | 1,118.0 (700.1, 1,640.2)   | 0.004743 (0.0029701, 0.0069586) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 15  | 137.6 (41.4, 311.3)        | 0.000576 (0.0001732, 0.0013034) | 60.4 (16.7, 151.0)         | 0.000256 (0.0000711, 0.0006407) |
| Aceh     | Breast cancer                                 | 15  | 4.3 (0.5, 15.3)            | 0.000018 (0.0000020, 0.0000642) | 156.7 (45.1, 387.8)        | 0.000665 (0.0001912, 0.0016453) |
| Aceh     | Cervical cancer                               | 15  |                            |                                 | 111.1 (23.9, 300.8)        | 0.000471 (0.0001015, 0.0012763) |
| Aceh     | Other malignant neoplasms                     | 15  | 835.1 (501.6, 1,278.3)     | 0.003497 (0.0021006, 0.0053531) | 1,037.8 (610.0, 1,570.6)   | 0.004403 (0.0025881, 0.0066634) |
| Aceh     | Cerebrovascular disease                       | 15  | 555.7 (310.2, 879.3)       | 0.002327 (0.0012992, 0.0036822) | 578.1 (328.3, 921.2)       | 0.002453 (0.0013927, 0.0039084) |
| Aceh     | Ischemic heart disease                        | 15  | 629.0 (376.3, 968.2)       | 0.002634 (0.0015759, 0.0040543) | 539.9 (332.5, 829.2)       | 0.002291 (0.0014106, 0.0035179) |
| Aceh     | Other cardiovascular and circulatory diseases | 15  | 211.4 (90.3, 413.2)        | 0.000885 (0.0003783, 0.0017302) | 251.7 (102.4, 497.2)       | 0.001068 (0.0004343, 0.0021094) |
| Aceh     | Diabetes mellitus                             | 15  | 164.1 (82.3, 297.0)        | 0.000687 (0.0003448, 0.0012437) | 289.2 (148.6, 530.7)       | 0.001227 (0.0006304, 0.0022515) |
| Aceh     | Chronic kidney disease                        | 15  | 612.4 (361.4, 944.7)       | 0.002565 (0.0015136, 0.0039561) | 656.8 (389.8, 1,031.6)     | 0.002787 (0.0016538, 0.0043766) |
| Aceh     | Cirrhosis                                     | 15  | 489.4 (269.3, 811.9)       | 0.002050 (0.0011277, 0.0034001) | 265.8 (142.7, 450.8)       | 0.001128 (0.0006056, 0.0019124) |
| Aceh     | Chronic respiratory diseases                  | 15  | 487.0 (265.4, 798.3)       | 0.002039 (0.0011113, 0.0033428) | 295.1 (149.4, 517.6)       | 0.001252 (0.0006337, 0.0021958) |
| Aceh     | Other non-communicable diseases               | 15  | 2,806.2 (2,040.8, 3,763.6) | 0.011751 (0.0085462, 0.0157606) | 2,811.7 (2,122.3, 3,608.4) | 0.011929 (0.0090041, 0.0153087) |
| Aceh     | Drowning                                      | 15  | 631.4 (286.3, 1,098.2)     | 0.002644 (0.0011988, 0.0045990) | 165.4 (68.8, 318.2)        | 0.000702 (0.0002920, 0.0013499) |
| Aceh     | Falls                                         | 15  | 278.2 (121.5, 549.4)       | 0.001165 (0.0005087, 0.0023007) | 106.8 (43.1, 222.4)        | 0.000453 (0.0001827, 0.0009437) |
| Aceh     | Interpersonal violence                        | 15  | 490.2 (274.5, 797.4)       | 0.002053 (0.0011493, 0.0033392) | 405.0 (192.4, 721.7)       | 0.001718 (0.0008164, 0.0030618) |
| Aceh     | Self-harm                                     | 15  | 716.1 (420.1, 1,126.0)     | 0.002999 (0.0017594, 0.0047154) | 522.8 (281.2, 875.4)       | 0.002218 (0.0011928, 0.0037139) |
| Aceh     | Transport injuries                            | 15  | 7,472.9 (5,613.0, 9,782.9) | 0.031294 (0.0235048, 0.0409671) | 2,820.4 (2,054.4, 3,733.1) | 0.011966 (0.0087158, 0.0158379) |
| Aceh     | Other unintentional injuries                  | 15  | 1,633.5 (1,031.6, 2,370.6) | 0.006841 (0.0043199, 0.0099272) | 699.6 (401.1, 1,127.2)     | 0.002968 (0.0017017, 0.0047823) |
| Aceh     | Diarrheal diseases                            | 20  | 637.1 (327.2, 1,124.9)     | 0.002739 (0.0014064, 0.0048359) | 386.7 (203.7, 661.4)       | 0.001597 (0.0008412, 0.0027315) |
| Aceh     | HIV/AIDS                                      | 20  | 452.5 (128.5, 1,180.1)     | 0.001945 (0.0005526, 0.0050733) | 205.7 (53.2, 537.6)        | 0.000850 (0.0002197, 0.0022202) |
| Aceh     | Lower respiratory infections                  | 20  | 1,416.2 (760.5, 2,324.8)   | 0.006088 (0.0032694, 0.0099943) | 490.4 (255.2, 841.3)       | 0.002025 (0.0010538, 0.0034745) |
| Aceh     | Malaria                                       | 20  | 234.2 (31.4, 789.4)        | 0.001007 (0.0001352, 0.0033937) | 115.0 (15.5, 353.0)        | 0.000475 (0.0000641, 0.0014579) |
| Aceh     | Tuberculosis                                  | 20  | 3,614.6 (2,441.1, 5,099.5) | 0.015539 (0.0104939, 0.0219222) | 1,393.2 (923.9, 1,949.2)   | 0.005754 (0.0038156, 0.0080499) |
| Aceh     | Maternal disorders                            | 20  |                            |                                 | 2,580.0 (1,728.5, 3,512.8) | 0.010655 (0.0071381, 0.0145069) |
| Aceh     | Other communicable diseases                   | 20  | 2,658.5 (1,628.4, 3,827.1) | 0.011429 (0.0070004, 0.0164524) | 1,071.5 (639.0, 1,607.8)   | 0.004425 (0.0026389, 0.0066398) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 20  | 99.6 (24.3, 271.0)         | 0.000428 (0.0001045, 0.0011651) | 109.4 (35.3, 246.5)        | 0.000452 (0.0001459, 0.0010178) |
| Aceh     | Breast cancer                                 | 20  | 5.2 (1.0, 15.6)            | 0.000022 (0.0000041, 0.0000672) | 461.5 (188.1, 906.3)       | 0.001906 (0.0007767, 0.0037430) |
| Aceh     | Cervical cancer                               | 20  |                            |                                 | 322.2 (97.2, 739.3)        | 0.001330 (0.0004014, 0.0030531) |
| Aceh     | Other malignant neoplasms                     | 20  | 769.8 (433.5, 1,231.9)     | 0.003309 (0.0018635, 0.0052958) | 1,180.0 (666.7, 1,815.8)   | 0.004873 (0.0027532, 0.0074986) |
| Aceh     | Cerebrovascular disease                       | 20  | 1,077.6 (670.9, 1,628.8)   | 0.004632 (0.0028842, 0.0070020) | 1,032.3 (672.2, 1,524.4)   | 0.004263 (0.0027762, 0.0062952) |
| Aceh     | Ischemic heart disease                        | 20  | 1,156.3 (741.1, 1,740.7)   | 0.004971 (0.0031858, 0.0074830) | 720.2 (461.5, 1,054.7)     | 0.002974 (0.0019060, 0.0043556) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Aceh     | Other cardiovascular and circulatory diseases | 20  | 322.0 (157.9, 578.1)       | 0.001384 (0.0006788, 0.0024852) | 404.2 (214.8, 701.8)       | 0.001669 (0.0008873, 0.0028983) |
| Aceh     | Diabetes mellitus                             | 20  | 157.9 (84.0, 279.4)        | 0.000679 (0.0003612, 0.0012012) | 292.1 (166.5, 486.8)       | 0.001206 (0.0006876, 0.0020104) |
| Aceh     | Chronic kidney disease                        | 20  | 928.0 (584.1, 1,390.3)     | 0.003989 (0.0025109, 0.0059766) | 1,039.2 (673.5, 1,575.7)   | 0.004292 (0.0027816, 0.0065073) |
| Aceh     | Cirrhosis                                     | 20  | 811.5 (450.6, 1,312.4)     | 0.003488 (0.0019369, 0.0056418) | 463.3 (253.0, 737.5)       | 0.001913 (0.0010449, 0.0030459) |
| Aceh     | Chronic respiratory diseases                  | 20  | 1,080.0 (652.8, 1,666.8)   | 0.004643 (0.0028062, 0.0071654) | 866.1 (515.6, 1,340.2)     | 0.003577 (0.0021291, 0.0055346) |
| Aceh     | Other non-communicable diseases               | 20  | 2,738.7 (1,920.0, 3,808.1) | 0.011774 (0.0082538, 0.0163705) | 2,728.8 (2,005.3, 3,581.2) | 0.011269 (0.0082815, 0.0147894) |
| Aceh     | Drowning                                      | 20  | 543.6 (236.4, 967.7)       | 0.002337 (0.0010161, 0.0041602) | 125.2 (52.2, 250.8)        | 0.000517 (0.0002155, 0.0010359) |
| Aceh     | Falls                                         | 20  | 310.4 (136.2, 607.6)       | 0.001334 (0.0005854, 0.0026120) | 105.3 (43.2, 219.0)        | 0.000435 (0.0001786, 0.0009044) |
| Aceh     | Interpersonal violence                        | 20  | 573.0 (326.7, 937.5)       | 0.002463 (0.0014044, 0.0040303) | 417.8 (211.9, 743.8)       | 0.001725 (0.0008750, 0.0030718) |
| Aceh     | Self-harm                                     | 20  | 702.0 (408.2, 1,155.0)     | 0.003018 (0.0017549, 0.0049651) | 454.7 (243.8, 778.2)       | 0.001878 (0.0010066, 0.0032136) |
| Aceh     | Transport injuries                            | 20  | 6,600.0 (4,568.6, 9,051.4) | 0.028373 (0.0196398, 0.0389110) | 2,075.9 (1,450.2, 2,884.2) | 0.008573 (0.0059888, 0.0119111) |
| Aceh     | Other unintentional injuries                  | 20  | 1,898.3 (1,170.7, 2,857.0) | 0.008160 (0.0050328, 0.0122820) | 720.9 (423.6, 1,139.3)     | 0.002977 (0.0017493, 0.0047049) |
| Aceh     | Diarrheal diseases                            | 25  | 798.7 (437.7, 1,311.4)     | 0.003637 (0.0019929, 0.0059711) | 570.3 (306.4, 975.4)       | 0.002509 (0.0013482, 0.0042918) |
| Aceh     | HIV/AIDS                                      | 25  | 760.6 (240.8, 1,813.5)     | 0.003463 (0.0010963, 0.0082576) | 406.6 (107.9, 998.1)       | 0.001789 (0.0004747, 0.0043919) |
| Aceh     | Lower respiratory infections                  | 25  | 1,349.6 (727.1, 2,220.7)   | 0.006145 (0.0033109, 0.0101115) | 548.9 (277.9, 925.8)       | 0.002415 (0.0012229, 0.0040737) |
| Aceh     | Malaria                                       | 25  | 225.1 (28.4, 723.3)        | 0.001025 (0.0001292, 0.0032934) | 121.6 (15.8, 395.6)        | 0.000535 (0.0000697, 0.0017405) |
| Aceh     | Tuberculosis                                  | 25  | 4,602.7 (3,247.8, 6,421.9) | 0.020958 (0.0147882, 0.0292414) | 1,919.8 (1,248.4, 2,713.2) | 0.008448 (0.0054933, 0.0119386) |
| Aceh     | Maternal disorders                            | 25  |                            |                                 | 2,518.9 (1,654.1, 3,496.1) | 0.011084 (0.0072784, 0.0153836) |
| Aceh     | Other communicable diseases                   | 25  | 2,475.7 (1,547.3, 3,591.1) | 0.011273 (0.0070457, 0.0163516) | 1,198.4 (710.1, 1,814.2)   | 0.005273 (0.0031244, 0.0079829) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 25  | 123.1 (31.0, 334.2)        | 0.000561 (0.0001412, 0.0015216) | 141.9 (48.2, 309.6)        | 0.000624 (0.0002123, 0.0013622) |
| Aceh     | Breast cancer                                 | 25  | 4.6 (0.9, 15.2)            | 0.000021 (0.0000040, 0.0000692) | 860.9 (386.0, 1,482.1)     | 0.003788 (0.0016987, 0.0065216) |
| Aceh     | Cervical cancer                               | 25  |                            |                                 | 519.3 (172.4, 1,056.2)     | 0.002285 (0.0007584, 0.0046474) |
| Aceh     | Other malignant neoplasms                     | 25  | 914.5 (547.9, 1,424.5)     | 0.004164 (0.0024949, 0.0064862) | 1,198.5 (643.9, 1,923.2)   | 0.005274 (0.0028332, 0.0084628) |
| Aceh     | Cerebrovascular disease                       | 25  | 1,726.8 (1,188.3, 2,450.7) | 0.007863 (0.0054109, 0.0111590) | 1,638.6 (1,127.6, 2,336.9) | 0.007210 (0.0049619, 0.0102831) |
| Aceh     | Ischemic heart disease                        | 25  | 2,025.0 (1,392.0, 2,933.3) | 0.009221 (0.0063385, 0.0133563) | 1,136.0 (762.3, 1,591.4)   | 0.004999 (0.0033543, 0.0070026) |
| Aceh     | Other cardiovascular and circulatory diseases | 25  | 382.4 (187.4, 642.4)       | 0.001741 (0.0008531, 0.0029252) | 489.1 (259.4, 823.6)       | 0.002152 (0.0011416, 0.0036240) |
| Aceh     | Diabetes mellitus                             | 25  | 246.1 (147.4, 388.7)       | 0.001121 (0.0006714, 0.0017701) | 441.5 (266.8, 685.9)       | 0.001943 (0.0011741, 0.0030180) |
| Aceh     | Chronic kidney disease                        | 25  | 977.9 (655.1, 1,405.2)     | 0.004453 (0.0029828, 0.0063985) | 1,049.8 (671.7, 1,580.6)   | 0.004619 (0.0029555, 0.0069553) |
| Aceh     | Cirrhosis                                     | 25  | 1,031.4 (610.2, 1,603.7)   | 0.004697 (0.0027786, 0.0073023) | 595.0 (342.1, 909.4)       | 0.002618 (0.0015052, 0.0040017) |
| Aceh     | Chronic respiratory diseases                  | 25  | 1,213.5 (749.3, 1,821.4)   | 0.005526 (0.0034120, 0.0082935) | 1,024.1 (609.9, 1,556.2)   | 0.004506 (0.0026837, 0.0068477) |
| Aceh     | Other non-communicable diseases               | 25  | 2,869.7 (2,040.0, 3,988.4) | 0.013067 (0.0092889, 0.0181605) | 2,878.8 (2,072.8, 3,872.6) | 0.012668 (0.0091209, 0.0170407) |
| Aceh     | Drowning                                      | 25  | 300.4 (127.2, 566.2)       | 0.001368 (0.0005792, 0.0025783) | 72.6 (30.0, 149.8)         | 0.000320 (0.0001318, 0.0006593) |
| Aceh     | Falls                                         | 25  | 371.7 (177.0, 713.9)       | 0.001692 (0.0008058, 0.0032506) | 128.7 (55.1, 248.6)        | 0.000566 (0.0002423, 0.0010938) |
| Aceh     | Interpersonal violence                        | 25  | 504.0 (291.7, 840.1)       | 0.002295 (0.0013282, 0.0038253) | 332.9 (163.5, 574.9)       | 0.001465 (0.0007193, 0.0025295) |
| Aceh     | Self-harm                                     | 25  | 575.1 (344.1, 972.4)       | 0.002619 (0.0015669, 0.0044279) | 329.7 (179.3, 552.0)       | 0.001451 (0.0007888, 0.0024289) |
| Aceh     | Transport injuries                            | 25  | 3,852.7 (2,537.7, 5,468.5) | 0.017543 (0.0115550, 0.0249001) | 1,100.9 (695.5, 1,646.6)   | 0.004844 (0.0030602, 0.0072456) |
| Aceh     | Other unintentional injuries                  | 25  | 1,945.5 (1,227.9, 2,968.1) | 0.008858 (0.0055913, 0.0135147) | 705.3 (414.6, 1,117.5)     | 0.003104 (0.0018243, 0.0049172) |
| Aceh     | Diarrheal diseases                            | 30  | 740.7 (403.0, 1,216.5)     | 0.003787 (0.0020605, 0.0062202) | 567.3 (323.1, 933.7)       | 0.002901 (0.0016520, 0.0047744) |
| Aceh     | HIV/AIDS                                      | 30  | 658.7 (209.9, 1,542.3)     | 0.003368 (0.0010734, 0.0078862) | 386.7 (115.3, 899.7)       | 0.001977 (0.0005896, 0.0046006) |
| Aceh     | Lower respiratory infections                  | 30  | 1,073.5 (566.4, 1,770.2)   | 0.005489 (0.0028963, 0.0090517) | 502.4 (253.3, 876.5)       | 0.002569 (0.0012951, 0.0044821) |
| Aceh     | Malaria                                       | 30  | 156.2 (19.4, 482.0)        | 0.000799 (0.0000992, 0.0024645) | 82.3 (11.6, 264.5)         | 0.000421 (0.0000592, 0.0013527) |
| Aceh     | Tuberculosis                                  | 30  | 3,863.4 (2,729.2, 5,348.2) | 0.019755 (0.0139548, 0.0273468) | 1,667.5 (1,041.1, 2,384.8) | 0.008527 (0.0053238, 0.0121949) |
| Aceh     | Maternal disorders                            | 30  |                            |                                 | 2,202.1 (1,462.4, 3,044.8) | 0.011261 (0.0074780, 0.0155701) |
| Aceh     | Other communicable diseases                   | 30  | 1,450.9 (857.6, 2,240.6)   | 0.007419 (0.0043850, 0.0114569) | 774.6 (428.4, 1,235.4)     | 0.003961 (0.0021907, 0.0063174) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 30  | 312.1 (87.7, 747.0)        | 0.001596 (0.0004483, 0.0038196) | 147.8 (53.5, 310.3)        | 0.000756 (0.0002734, 0.0015870) |
| Aceh     | Breast cancer                                 | 30  | 5.4 (0.8, 19.0)            | 0.000028 (0.0000040, 0.0000973) | 1,153.9 (571.3, 1,863.1)   | 0.005901 (0.0029214, 0.0095274) |
| Aceh     | Cervical cancer                               | 30  |                            |                                 | 748.8 (290.3, 1,437.0)     | 0.003829 (0.0014847, 0.0073481) |
| Aceh     | Other malignant neoplasms                     | 30  | 1,033.1 (632.5, 1,612.9)   | 0.005283 (0.0032340, 0.0082471) | 1,072.1 (565.9, 1,736.3)   | 0.005482 (0.0028939, 0.0088789) |
| Aceh     | Cerebrovascular disease                       | 30  | 2,369.1 (1,673.2, 3,369.2) | 0.012114 (0.0085557, 0.0172277) | 2,400.0 (1,701.6, 3,294.1) | 0.012273 (0.0087015, 0.0168448) |
| Aceh     | Ischemic heart disease                        | 30  | 2,582.9 (1,833.1, 3,656.3) | 0.013207 (0.0093732, 0.0186954) | 1,490.7 (1,017.6, 2,084.6) | 0.007623 (0.0052038, 0.0106600) |
| Aceh     | Other cardiovascular and circulatory diseases | 30  | 405.5 (205.0, 675.5)       | 0.002073 (0.0010482, 0.0034540) | 541.8 (300.4, 911.5)       | 0.002770 (0.0015364, 0.0046611) |
| Aceh     | Diabetes mellitus                             | 30  | 360.2 (226.9, 555.9)       | 0.001842 (0.0011603, 0.0028425) | 651.8 (424.5, 964.3)       | 0.003333 (0.0021705, 0.0049310) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Aceh     | Chronic kidney disease                        | 30  | 942.6 (637.8, 1,354.3)     | 0.004820 (0.0032611, 0.0069247) | 1,006.1 (654.2, 1,443.5)   | 0.005145 (0.0033452, 0.0073816) |
| Aceh     | Cirrhosis                                     | 30  | 1,200.9 (721.1, 1,888.6)   | 0.006141 (0.0036871, 0.0096567) | 742.0 (434.2, 1,134.9)     | 0.003794 (0.0022205, 0.0058037) |
| Aceh     | Chronic respiratory diseases                  | 30  | 1,088.3 (674.1, 1,657.2)   | 0.005565 (0.0034467, 0.0084736) | 961.2 (570.1, 1,466.1)     | 0.004915 (0.0029153, 0.0074969) |
| Aceh     | Other non-communicable diseases               | 30  | 2,602.3 (1,866.2, 3,631.9) | 0.013306 (0.0095425, 0.0185708) | 2,770.5 (1,953.2, 3,728.4) | 0.014167 (0.0099880, 0.0190657) |
| Aceh     | Drowning                                      | 30  | 296.7 (131.2, 551.1)       | 0.001517 (0.0006708, 0.0028180) | 95.5 (40.1, 193.4)         | 0.000488 (0.0002052, 0.0009890) |
| Aceh     | Falls                                         | 30  | 391.4 (185.8, 716.4)       | 0.002002 (0.0009502, 0.0036634) | 169.2 (76.7, 316.5)        | 0.000865 (0.0003920, 0.0016186) |
| Aceh     | Interpersonal violence                        | 30  | 345.4 (193.1, 568.6)       | 0.001766 (0.0009873, 0.0029074) | 240.8 (117.2, 423.3)       | 0.001231 (0.0005995, 0.0021645) |
| Aceh     | Self-harm                                     | 30  | 385.9 (225.9, 647.3)       | 0.001973 (0.0011552, 0.0033096) | 226.8 (123.3, 375.8)       | 0.001160 (0.0006303, 0.0019219) |
| Aceh     | Transport injuries                            | 30  | 2,929.5 (1,928.2, 4,293.3) | 0.014979 (0.0098594, 0.0219525) | 979.4 (614.5, 1,520.9)     | 0.005008 (0.0031423, 0.0077772) |
| Aceh     | Other unintentional injuries                  | 30  | 1,579.0 (998.2, 2,471.1)   | 0.008074 (0.0051042, 0.0126353) | 648.8 (378.9, 1,031.5)     | 0.003318 (0.0019376, 0.0052746) |
| Aceh     | Diarrheal diseases                            | 35  | 585.2 (327.1, 950.5)       | 0.003293 (0.0018406, 0.0053490) | 697.2 (399.4, 1,125.9)     | 0.004018 (0.0023018, 0.0064890) |
| Aceh     | HIV/AIDS                                      | 35  | 525.0 (155.5, 1,248.0)     | 0.002954 (0.0008751, 0.0070228) | 451.0 (122.5, 1,059.1)     | 0.002599 (0.0007062, 0.0061040) |
| Aceh     | Lower respiratory infections                  | 35  | 1,045.0 (561.0, 1,699.8)   | 0.005881 (0.0031571, 0.0095651) | 736.8 (381.4, 1,282.6)     | 0.004247 (0.0021985, 0.0073924) |
| Aceh     | Malaria                                       | 35  | 125.3 (15.5, 378.4)        | 0.000705 (0.0000874, 0.0021294) | 96.8 (12.7, 299.8)         | 0.000558 (0.0000731, 0.0017281) |
| Aceh     | Tuberculosis                                  | 35  | 3,766.5 (2,679.7, 5,222.9) | 0.021195 (0.0150797, 0.0293910) | 2,304.2 (1,496.6, 3,214.6) | 0.013281 (0.0086255, 0.0185273) |
| Aceh     | Maternal disorders                            | 35  |                            |                                 | 1,044.1 (616.9, 1,557.7)   | 0.006018 (0.0035557, 0.0089781) |
| Aceh     | Other communicable diseases                   | 35  | 1,167.1 (683.9, 1,804.6)   | 0.006568 (0.0038486, 0.0101552) | 980.2 (565.3, 1,515.2)     | 0.005650 (0.0032581, 0.0087329) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 35  | 185.2 (48.9, 466.6)        | 0.001042 (0.0002752, 0.0026257) | 192.4 (76.7, 424.1)        | 0.001109 (0.0004422, 0.0024442) |
| Aceh     | Breast cancer                                 | 35  | 10.1 (1.9, 32.1)           | 0.000057 (0.0000105, 0.0001808) | 1,638.1 (885.7, 2,643.9)   | 0.009442 (0.0051048, 0.0152385) |
| Aceh     | Cervical cancer                               | 35  |                            |                                 | 1,132.1 (469.6, 2,191.4)   | 0.006525 (0.0027068, 0.0126304) |
| Aceh     | Other malignant neoplasms                     | 35  | 1,332.4 (828.7, 2,056.4)   | 0.007498 (0.0046633, 0.0115720) | 1,121.6 (566.5, 1,869.2)   | 0.006464 (0.0032653, 0.0107735) |
| Aceh     | Cerebrovascular disease                       | 35  | 3,569.9 (2,635.2, 4,894.3) | 0.020089 (0.0148294, 0.0275418) | 3,871.7 (2,793.4, 5,327.7) | 0.022315 (0.0161001, 0.0307068) |
| Aceh     | Ischemic heart disease                        | 35  | 3,565.1 (2,619.4, 4,882.0) | 0.020062 (0.0147403, 0.0274728) | 2,196.4 (1,482.9, 3,091.5) | 0.012659 (0.0085468, 0.0178183) |
| Aceh     | Other cardiovascular and circulatory diseases | 35  | 499.2 (263.4, 811.9)       | 0.002809 (0.0014825, 0.0045688) | 702.8 (385.6, 1,171.1)     | 0.004051 (0.0022224, 0.0067497) |
| Aceh     | Diabetes mellitus                             | 35  | 652.3 (429.9, 987.0)       | 0.003671 (0.0024194, 0.0055539) | 1,211.0 (797.5, 1,799.6)   | 0.006980 (0.0045967, 0.0103723) |
| Aceh     | Chronic kidney disease                        | 35  | 1,079.3 (742.9, 1,548.5)   | 0.006074 (0.0041803, 0.0087141) | 1,176.0 (763.8, 1,725.3)   | 0.006778 (0.0044023, 0.0099437) |
| Aceh     | Cirrhosis                                     | 35  | 1,452.5 (881.7, 2,239.3)   | 0.008174 (0.0049617, 0.0126013) | 955.5 (564.3, 1,449.6)     | 0.005507 (0.0032526, 0.0083551) |
| Aceh     | Chronic respiratory diseases                  | 35  | 1,277.2 (803.0, 1,865.7)   | 0.007188 (0.0045188, 0.0104991) | 1,119.6 (692.7, 1,745.3)   | 0.006453 (0.0039922, 0.0100591) |
| Aceh     | Other non-communicable diseases               | 35  | 2,594.4 (1,870.2, 3,592.1) | 0.014600 (0.0105240, 0.0202139) | 2,948.0 (2,042.6, 4,103.0) | 0.016991 (0.0117725, 0.0236479) |
| Aceh     | Drowning                                      | 35  | 350.3 (152.5, 653.0)       | 0.001971 (0.0008580, 0.0036746) | 138.5 (56.1, 275.2)        | 0.000798 (0.0003232, 0.0015863) |
| Aceh     | Falls                                         | 35  | 373.4 (186.9, 674.5)       | 0.002101 (0.0010516, 0.0037956) | 191.5 (87.2, 356.1)        | 0.001104 (0.0005026, 0.0020526) |
| Aceh     | Interpersonal violence                        | 35  | 282.4 (156.8, 469.8)       | 0.001589 (0.0008821, 0.0026435) | 212.3 (103.0, 374.1)       | 0.001224 (0.0005935, 0.0021563) |
| Aceh     | Self-harm                                     | 35  | 339.1 (196.6, 557.8)       | 0.001908 (0.0011062, 0.0031389) | 211.3 (111.9, 358.4)       | 0.001218 (0.0006450, 0.0020656) |
| Aceh     | Transport injuries                            | 35  | 2,243.3 (1,438.0, 3,293.4) | 0.012624 (0.0080923, 0.0185329) | 844.6 (520.6, 1,352.7)     | 0.004868 (0.0030004, 0.0077963) |
| Aceh     | Other unintentional injuries                  | 35  | 1,416.3 (880.3, 2,162.0)   | 0.007970 (0.0049539, 0.0121662) | 650.0 (368.5, 1,012.0)     | 0.003746 (0.0021241, 0.0058326) |
| Aceh     | Diarrheal diseases                            | 40  | 544.3 (311.2, 901.8)       | 0.003780 (0.0021611, 0.0062634) | 731.8 (437.9, 1,160.3)     | 0.005151 (0.0030823, 0.0081668) |
| Aceh     | HIV/AIDS                                      | 40  | 237.6 (67.4, 622.9)        | 0.001650 (0.0004684, 0.0043263) | 231.3 (60.0, 577.9)        | 0.001628 (0.0004223, 0.0040673) |
| Aceh     | Lower respiratory infections                  | 40  | 873.3 (484.4, 1,447.1)     | 0.006066 (0.0033647, 0.0100511) | 722.0 (386.6, 1,214.7)     | 0.005082 (0.0027209, 0.0085500) |
| Aceh     | Malaria                                       | 40  | 111.4 (13.7, 336.3)        | 0.000774 (0.0000952, 0.0023360) | 93.3 (11.9, 297.2)         | 0.000657 (0.0000840, 0.0020918) |
| Aceh     | Tuberculosis                                  | 40  | 3,069.0 (2,206.7, 4,179.5) | 0.021315 (0.0153267, 0.0290284) | 2,093.1 (1,418.0, 2,876.5) | 0.014733 (0.0099812, 0.0202469) |
| Aceh     | Maternal disorders                            | 40  |                            |                                 | 214.0 (108.8, 362.3)       | 0.001506 (0.0007655, 0.0025501) |
| Aceh     | Other communicable diseases                   | 40  | 960.2 (572.7, 1,478.3)     | 0.006669 (0.0039776, 0.0102674) | 923.0 (534.2, 1,430.9)     | 0.006497 (0.0037600, 0.0100714) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 40  | 347.2 (139.9, 731.8)       | 0.002412 (0.0009716, 0.0050828) | 209.7 (85.2, 466.1)        | 0.001476 (0.0005994, 0.0032808) |
| Aceh     | Breast cancer                                 | 40  | 18.9 (4.4, 50.4)           | 0.000132 (0.0000303, 0.0003497) | 1,881.6 (1,060.2, 2,963.0) | 0.013244 (0.0074626, 0.0208560) |
| Aceh     | Cervical cancer                               | 40  |                            |                                 | 1,277.9 (517.8, 2,367.9)   | 0.008995 (0.0036447, 0.0166666) |
| Aceh     | Other malignant neoplasms                     | 40  | 1,639.5 (1,026.0, 2,529.6) | 0.011387 (0.0071260, 0.0175692) | 1,020.8 (521.1, 1,739.2)   | 0.007185 (0.0036676, 0.0122416) |
| Aceh     | Cerebrovascular disease                       | 40  | 5,017.3 (3,809.2, 6,709.5) | 0.034847 (0.0264565, 0.0466006) | 5,174.5 (3,831.4, 6,815.1) | 0.036422 (0.0269679, 0.0479697) |
| Aceh     | Ischemic heart disease                        | 40  | 4,780.7 (3,580.7, 6,481.1) | 0.033205 (0.0248693, 0.0450143) | 2,868.4 (2,003.8, 3,929.4) | 0.020190 (0.0141040, 0.0276578) |
| Aceh     | Other cardiovascular and circulatory diseases | 40  | 644.9 (354.0, 1,046.9)     | 0.004479 (0.0024585, 0.0072715) | 839.4 (466.4, 1,376.9)     | 0.005908 (0.0032829, 0.0096916) |
| Aceh     | Diabetes mellitus                             | 40  | 1,255.2 (860.7, 1,838.5)   | 0.008718 (0.0059781, 0.0127694) | 2,110.3 (1,440.6, 2,995.0) | 0.014854 (0.0101399, 0.0210808) |
| Aceh     | Chronic kidney disease                        | 40  | 1,272.7 (867.0, 1,789.2)   | 0.008840 (0.0060216, 0.0124270) | 1,261.6 (844.5, 1,842.7)   | 0.008880 (0.0059439, 0.0129703) |
| Aceh     | Cirrhosis                                     | 40  | 1,611.6 (981.6, 2,433.9)   | 0.011194 (0.0068173, 0.0169044) | 999.1 (604.3, 1,497.8)     | 0.007033 (0.0042532, 0.0105427) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                       |                                 | Females                     |                                 |
|----------|-----------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Aceh     | Chronic respiratory diseases                  | 40  | 1,437.6 (932.8, 2,095.0)    | 0.009985 (0.0064790, 0.0145504) | 1,137.3 (712.9, 1,673.5)    | 0.008005 (0.0050182, 0.0117791) |
| Aceh     | Other non-communicable diseases               | 40  | 2,555.3 (1,840.6, 3,586.3)  | 0.017748 (0.0127839, 0.0249086) | 2,739.4 (1,916.9, 3,720.3)  | 0.019282 (0.0134922, 0.0261860) |
| Aceh     | Drowning                                      | 40  | 150.5 (65.7, 301.8)         | 0.001046 (0.0004566, 0.0020962) | 61.8 (24.5, 122.8)          | 0.000435 (0.0001725, 0.0008647) |
| Aceh     | Falls                                         | 40  | 271.1 (130.2, 490.7)        | 0.001883 (0.0009044, 0.0034079) | 141.0 (64.1, 261.8)         | 0.000992 (0.0004509, 0.0018430) |
| Aceh     | Interpersonal violence                        | 40  | 195.1 (101.3, 339.0)        | 0.001355 (0.0007039, 0.0023546) | 137.0 (65.0, 246.5)         | 0.000964 (0.0004576, 0.0017353) |
| Aceh     | Self-harm                                     | 40  | 268.6 (148.4, 458.8)        | 0.001866 (0.0010304, 0.0031866) | 154.4 (81.4, 266.3)         | 0.001087 (0.0005730, 0.0018743) |
| Aceh     | Transport injuries                            | 40  | 1,521.3 (954.2, 2,310.6)    | 0.010566 (0.0066273, 0.0160481) | 561.3 (339.5, 889.7)        | 0.003951 (0.0023898, 0.0062622) |
| Aceh     | Other unintentional injuries                  | 40  | 979.8 (591.1, 1,526.8)      | 0.006805 (0.0041054, 0.0106041) | 433.9 (248.1, 690.7)        | 0.003054 (0.0017463, 0.0048616) |
| Aceh     | Diarrheal diseases                            | 45  | 483.8 (274.3, 767.9)        | 0.004074 (0.0023096, 0.0064662) | 796.2 (463.6, 1,246.9)      | 0.006448 (0.0037550, 0.0100981) |
| Aceh     | HIV/AIDS                                      | 45  | 108.4 (28.2, 303.0)         | 0.000913 (0.0002374, 0.0025513) | 129.2 (31.4, 350.3)         | 0.001046 (0.0002541, 0.0028371) |
| Aceh     | Lower respiratory infections                  | 45  | 902.2 (499.0, 1,443.5)      | 0.007597 (0.0042014, 0.0121545) | 978.9 (544.5, 1,597.9)      | 0.007928 (0.0044097, 0.0129406) |
| Aceh     | Malaria                                       | 45  | 87.2 (11.6, 267.0)          | 0.000734 (0.0000973, 0.0022479) | 79.8 (9.8, 247.7)           | 0.000646 (0.0000790, 0.0020063) |
| Aceh     | Tuberculosis                                  | 45  | 2,868.6 (2,062.3, 3,937.3)  | 0.024155 (0.0173657, 0.0331535) | 2,271.4 (1,597.4, 3,101.2)  | 0.018395 (0.0129367, 0.0251155) |
| Aceh     | Maternal disorders                            | 45  |                             |                                 | 50.4 (21.8, 95.7)           | 0.000408 (0.0001768, 0.0007748) |
| Aceh     | Other communicable diseases                   | 45  | 730.0 (419.6, 1,150.0)      | 0.006147 (0.0035331, 0.0096838) | 889.8 (500.3, 1,380.4)      | 0.007206 (0.0040515, 0.0111798) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 45  | 550.4 (228.4, 1,043.5)      | 0.004634 (0.0019235, 0.0087867) | 251.2 (103.5, 524.7)        | 0.002034 (0.0008380, 0.0042493) |
| Aceh     | Breast cancer                                 | 45  | 23.6 (7.0, 58.7)            | 0.000199 (0.0000589, 0.0004947) | 1,819.6 (1,000.4, 2,875.4)  | 0.014737 (0.0081023, 0.0232872) |
| Aceh     | Cervical cancer                               | 45  |                             |                                 | 1,265.4 (549.8, 2,261.8)    | 0.010248 (0.0044523, 0.0183179) |
| Aceh     | Other malignant neoplasms                     | 45  | 1,483.4 (930.7, 2,221.9)    | 0.012491 (0.0078370, 0.0187096) | 940.0 (492.1, 1,596.3)      | 0.007612 (0.0039857, 0.0129279) |
| Aceh     | Cerebrovascular disease                       | 45  | 6,186.0 (4,727.1, 8,189.4)  | 0.052088 (0.0398040, 0.0689574) | 7,376.9 (5,689.7, 9,463.5)  | 0.059744 (0.0460793, 0.0766423) |
| Aceh     | Ischemic heart disease                        | 45  | 5,274.7 (3,960.8, 7,060.8)  | 0.044415 (0.0333516, 0.0594547) | 3,646.9 (2,663.3, 4,895.9)  | 0.029536 (0.0215694, 0.0396510) |
| Aceh     | Other cardiovascular and circulatory diseases | 45  | 748.8 (421.7, 1,208.1)      | 0.006305 (0.0035512, 0.0101725) | 1,072.7 (610.0, 1,762.6)    | 0.008687 (0.0049406, 0.0142751) |
| Aceh     | Diabetes mellitus                             | 45  | 1,844.8 (1,285.0, 2,611.4)  | 0.015534 (0.0108201, 0.0219888) | 3,385.7 (2,417.5, 4,661.0)  | 0.027420 (0.0195786, 0.0377485) |
| Aceh     | Chronic kidney disease                        | 45  | 1,257.0 (865.2, 1,737.5)    | 0.010585 (0.0072850, 0.0146302) | 1,343.4 (928.3, 1,946.8)    | 0.010880 (0.0075183, 0.0157665) |
| Aceh     | Cirrhosis                                     | 45  | 1,501.7 (932.9, 2,236.4)    | 0.012645 (0.0078554, 0.0188316) | 1,094.7 (664.7, 1,656.9)    | 0.008866 (0.0053832, 0.0134192) |
| Aceh     | Chronic respiratory diseases                  | 45  | 1,677.4 (1,119.9, 2,407.0)  | 0.014124 (0.0094302, 0.0202675) | 1,466.6 (961.1, 2,068.5)    | 0.011878 (0.0077836, 0.0167521) |
| Aceh     | Other non-communicable diseases               | 45  | 2,299.3 (1,639.7, 3,239.6)  | 0.019361 (0.0138072, 0.0272785) | 2,801.2 (1,996.9, 3,808.2)  | 0.022686 (0.0161728, 0.0308417) |
| Aceh     | Drowning                                      | 45  | 88.9 (38.1, 182.6)          | 0.000749 (0.0003209, 0.0015375) | 53.2 (20.9, 113.3)          | 0.000431 (0.0001692, 0.0009173) |
| Aceh     | Falls                                         | 45  | 267.1 (122.7, 499.3)        | 0.002250 (0.0010330, 0.0042045) | 188.3 (89.5, 358.7)         | 0.001525 (0.0007249, 0.0029048) |
| Aceh     | Interpersonal violence                        | 45  | 152.7 (74.4, 265.9)         | 0.001286 (0.0006262, 0.0022393) | 118.2 (56.8, 206.1)         | 0.000958 (0.0004601, 0.0016693) |
| Aceh     | Self-harm                                     | 45  | 239.7 (130.9, 402.3)        | 0.002018 (0.0011023, 0.0033879) | 147.2 (79.0, 244.0)         | 0.001192 (0.0006395, 0.0019758) |
| Aceh     | Transport injuries                            | 45  | 1,361.4 (849.4, 2,025.2)    | 0.011464 (0.0071526, 0.0170532) | 641.6 (393.8, 995.6)        | 0.005196 (0.0031893, 0.0080630) |
| Aceh     | Other unintentional injuries                  | 45  | 827.0 (480.0, 1,278.9)      | 0.006963 (0.0040415, 0.0107691) | 442.8 (253.5, 698.5)        | 0.003586 (0.0020534, 0.0056570) |
| Aceh     | Diarrheal diseases                            | 50  | 577.8 (336.2, 893.5)        | 0.005958 (0.0034672, 0.0092144) | 883.3 (560.0, 1,335.7)      | 0.009422 (0.0059742, 0.0142484) |
| Aceh     | HIV/AIDS                                      | 50  | 43.1 (10.5, 120.3)          | 0.000444 (0.0001087, 0.0012404) | 46.5 (10.4, 130.8)          | 0.000496 (0.0001115, 0.0013952) |
| Aceh     | Lower respiratory infections                  | 50  | 1,076.4 (614.2, 1,702.8)    | 0.011100 (0.0063339, 0.0175598) | 1,104.6 (634.2, 1,764.1)    | 0.011783 (0.0067648, 0.0188175) |
| Aceh     | Malaria                                       | 50  | 80.4 (9.8, 249.6)           | 0.000830 (0.0001010, 0.0025741) | 63.5 (7.3, 210.5)           | 0.000677 (0.0000774, 0.0022459) |
| Aceh     | Tuberculosis                                  | 50  | 2,938.6 (2,091.4, 3,991.9)  | 0.030305 (0.0215672, 0.0411667) | 2,028.0 (1,415.9, 2,782.4)  | 0.021633 (0.0151039, 0.0296808) |
| Aceh     | Maternal disorders                            | 50  |                             |                                 | 16.9 (5.5, 41.3)            | 0.000181 (0.0000590, 0.0004403) |
| Aceh     | Other communicable diseases                   | 50  | 662.2 (371.7, 1,037.3)      | 0.006829 (0.0038330, 0.0106968) | 768.3 (437.1, 1,165.8)      | 0.008195 (0.0046622, 0.0124361) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 50  | 512.9 (217.1, 996.7)        | 0.005289 (0.0022390, 0.0102786) | 226.5 (92.8, 467.4)         | 0.002416 (0.0009897, 0.0049859) |
| Aceh     | Breast cancer                                 | 50  | 24.0 (8.0, 57.0)            | 0.000248 (0.0000827, 0.0005883) | 1,296.5 (681.4, 2,072.8)    | 0.013831 (0.0072684, 0.0221108) |
| Aceh     | Cervical cancer                               | 50  |                             |                                 | 1,004.4 (419.1, 1,848.1)    | 0.010714 (0.0044710, 0.0197136) |
| Aceh     | Other malignant neoplasms                     | 50  | 1,291.5 (792.9, 1,959.7)    | 0.013319 (0.0081771, 0.0202097) | 790.1 (398.1, 1,335.4)      | 0.008428 (0.0042469, 0.0142454) |
| Aceh     | Cerebrovascular disease                       | 50  | 7,858.0 (5,904.6, 10,273.2) | 0.081036 (0.0608911, 0.1059424) | 8,486.3 (6,616.9, 10,629.2) | 0.090525 (0.0705837, 0.1133843) |
| Aceh     | Ischemic heart disease                        | 50  | 6,011.3 (4,458.9, 7,880.7)  | 0.061992 (0.0459828, 0.0812699) | 3,741.1 (2,755.1, 4,952.3)  | 0.039907 (0.0293893, 0.0528277) |
| Aceh     | Other cardiovascular and circulatory diseases | 50  | 955.6 (542.0, 1,530.0)      | 0.009855 (0.0055896, 0.0157780) | 1,207.4 (696.7, 1,933.3)    | 0.012879 (0.0074322, 0.0206232) |
| Aceh     | Diabetes mellitus                             | 50  | 2,386.0 (1,637.5, 3,403.3)  | 0.024606 (0.0168867, 0.0350965) | 3,862.6 (2,776.4, 5,286.7)  | 0.041204 (0.0296168, 0.0563939) |
| Aceh     | Chronic kidney disease                        | 50  | 1,285.0 (869.6, 1,785.1)    | 0.013252 (0.0089673, 0.0184088) | 1,199.9 (825.5, 1,702.5)    | 0.012800 (0.0088054, 0.0181609) |
| Aceh     | Cirrhosis                                     | 50  | 1,514.4 (933.0, 2,292.4)    | 0.015617 (0.0096220, 0.0236404) | 1,019.8 (616.7, 1,525.3)    | 0.010879 (0.0065790, 0.0162703) |
| Aceh     | Chronic respiratory diseases                  | 50  | 2,191.8 (1,508.1, 3,112.2)  | 0.022603 (0.0155522, 0.0320948) | 1,647.8 (1,104.6, 2,301.5)  | 0.017577 (0.0117832, 0.0245510) |
| Aceh     | Other non-communicable diseases               | 50  | 2,336.6 (1,653.6, 3,206.6)  | 0.024097 (0.0170528, 0.0330685) | 2,560.0 (1,874.3, 3,453.4)  | 0.027308 (0.0199941, 0.0368385) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                       |                                 | Females                     |                                 |
|----------|-----------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Aceh     | Drowning                                      | 50  | 59.2 (23.0, 122.4)          | 0.000611 (0.0002370, 0.0012618) | 36.6 (13.8, 76.0)           | 0.000391 (0.0001477, 0.0008104) |
| Aceh     | Falls                                         | 50  | 280.8 (133.5, 507.4)        | 0.002896 (0.0013763, 0.0052330) | 194.4 (99.2, 353.6)         | 0.002074 (0.0010579, 0.0037723) |
| Aceh     | Interpersonal violence                        | 50  | 114.1 (55.1, 203.8)         | 0.001177 (0.0005681, 0.0021014) | 76.0 (36.4, 133.0)          | 0.000810 (0.0003878, 0.0014190) |
| Aceh     | Self-harm                                     | 50  | 200.0 (105.9, 341.0)        | 0.002063 (0.0010922, 0.0035166) | 103.5 (55.8, 169.7)         | 0.001104 (0.0005955, 0.0018099) |
| Aceh     | Transport injuries                            | 50  | 1,000.3 (602.2, 1,512.7)    | 0.010315 (0.0062098, 0.0155999) | 443.6 (266.9, 695.9)        | 0.004731 (0.0028474, 0.0074233) |
| Aceh     | Other unintentional injuries                  | 50  | 640.2 (375.0, 1,013.7)      | 0.006602 (0.0038675, 0.0104539) | 312.1 (179.0, 488.8)        | 0.003329 (0.0019097, 0.0052141) |
| Aceh     | Diarrheal diseases                            | 55  | 580.6 (337.3, 906.6)        | 0.008048 (0.0046752, 0.0125673) | 831.0 (528.8, 1,256.6)      | 0.012518 (0.0079657, 0.0189297) |
| Aceh     | HIV/AIDS                                      | 55  | 16.3 (3.7, 47.8)            | 0.000226 (0.0000515, 0.0006631) | 16.6 (3.8, 48.4)            | 0.000251 (0.0000569, 0.0007284) |
| Aceh     | Lower respiratory infections                  | 55  | 1,015.1 (592.9, 1,619.0)    | 0.014072 (0.0082188, 0.0224429) | 997.3 (576.6, 1,543.6)      | 0.015024 (0.0086866, 0.0232524) |
| Aceh     | Malaria                                       | 55  | 71.6 (9.2, 212.8)           | 0.000993 (0.0001275, 0.0029501) | 51.8 (6.1, 163.7)           | 0.000781 (0.0000914, 0.0024655) |
| Aceh     | Tuberculosis                                  | 55  | 2,331.3 (1,610.3, 3,204.0)  | 0.032318 (0.0223220, 0.0444149) | 1,502.3 (1,026.2, 2,060.0)  | 0.022630 (0.0154592, 0.0310319) |
| Aceh     | Other communicable diseases                   | 55  | 586.3 (319.9, 929.2)        | 0.008127 (0.0044347, 0.0128815) | 641.8 (369.0, 1,007.4)      | 0.009668 (0.0055585, 0.0151754) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 55  | 576.7 (248.2, 1,096.0)      | 0.007995 (0.0034410, 0.0151926) | 160.5 (63.5, 325.0)         | 0.002418 (0.0009569, 0.0048957) |
| Aceh     | Breast cancer                                 | 55  | 18.3 (6.5, 41.8)            | 0.000254 (0.0000901, 0.0005788) | 885.2 (467.9, 1,456.7)      | 0.013335 (0.0070489, 0.0219432) |
| Aceh     | Cervical cancer                               | 55  |                             |                                 | 635.6 (263.1, 1,175.1)      | 0.009575 (0.0039627, 0.0177017) |
| Aceh     | Other malignant neoplasms                     | 55  | 910.8 (552.9, 1,390.1)      | 0.012626 (0.0076648, 0.0192695) | 634.0 (333.8, 1,064.0)      | 0.009551 (0.0050283, 0.0160282) |
| Aceh     | Cerebrovascular disease                       | 55  | 8,321.8 (6,239.7, 10,751.8) | 0.115360 (0.0864975, 0.1490456) | 8,719.5 (6,941.3, 10,873.3) | 0.131350 (0.1045644, 0.1637965) |
| Aceh     | Ischemic heart disease                        | 55  | 6,136.2 (4,516.9, 8,030.6)  | 0.085062 (0.0626145, 0.1113226) | 3,710.2 (2,765.7, 4,883.6)  | 0.055891 (0.0416632, 0.0735675) |
| Aceh     | Other cardiovascular and circulatory diseases | 55  | 987.4 (557.1, 1,586.0)      | 0.013687 (0.0077234, 0.0219855) | 1,208.3 (707.3, 1,937.1)    | 0.018202 (0.0106550, 0.0291807) |
| Aceh     | Diabetes mellitus                             | 55  | 2,329.2 (1,578.6, 3,264.9)  | 0.032289 (0.0218829, 0.0452599) | 3,642.3 (2,628.5, 4,945.2)  | 0.054868 (0.0395956, 0.0744955) |
| Aceh     | Chronic kidney disease                        | 55  | 1,136.9 (770.1, 1,556.0)    | 0.015760 (0.0106754, 0.0215693) | 1,021.6 (701.4, 1,452.8)    | 0.015389 (0.0105665, 0.0218846) |
| Aceh     | Cirrhosis                                     | 55  | 1,264.9 (782.0, 1,914.5)    | 0.017534 (0.0108406, 0.0265394) | 831.9 (501.3, 1,254.8)      | 0.012531 (0.0075523, 0.0189018) |
| Aceh     | Chronic respiratory diseases                  | 55  | 2,110.3 (1,441.5, 2,924.9)  | 0.029255 (0.0199822, 0.0405468) | 1,556.6 (1,065.3, 2,163.9)  | 0.023449 (0.0160478, 0.0325976) |
| Aceh     | Other non-communicable diseases               | 55  | 2,217.1 (1,571.4, 3,078.4)  | 0.030734 (0.0217838, 0.0426741) | 2,362.5 (1,727.8, 3,206.1)  | 0.035588 (0.0260283, 0.0482972) |
| Aceh     | Drowning                                      | 55  | 40.6 (15.4, 88.6)           | 0.000563 (0.0002132, 0.0012289) | 24.4 (9.2, 52.3)            | 0.000367 (0.0001386, 0.0007876) |
| Aceh     | Falls                                         | 55  | 279.2 (127.3, 519.5)        | 0.003871 (0.0017650, 0.0072009) | 185.6 (93.5, 324.9)         | 0.002796 (0.0014086, 0.0048943) |
| Aceh     | Interpersonal violence                        | 55  | 79.0 (37.2, 138.7)          | 0.001095 (0.0005159, 0.0019227) | 48.5 (23.5, 85.6)           | 0.000730 (0.0003542, 0.0012901) |
| Aceh     | Self-harm                                     | 55  | 157.2 (84.2, 261.4)         | 0.002179 (0.0011674, 0.0036237) | 74.8 (39.3, 126.0)          | 0.001127 (0.0005923, 0.0018986) |
| Aceh     | Transport injuries                            | 55  | 610.6 (360.5, 981.0)        | 0.008464 (0.0049968, 0.0135987) | 256.1 (147.4, 412.4)        | 0.003858 (0.0022199, 0.0062127) |
| Aceh     | Other unintentional injuries                  | 55  | 471.8 (274.7, 749.9)        | 0.006540 (0.0038087, 0.0103947) | 215.9 (121.5, 341.7)        | 0.003252 (0.0018308, 0.0051476) |
| Aceh     | Diarrheal diseases                            | 60  | 545.7 (324.4, 823.6)        | 0.011952 (0.0071048, 0.0180368) | 898.2 (576.8, 1,317.8)      | 0.017029 (0.0109359, 0.0249840) |
| Aceh     | HIV/AIDS                                      | 60  | 9.4 (1.9, 28.2)             | 0.000206 (0.0000416, 0.0006173) | 10.8 (2.2, 31.4)            | 0.000205 (0.0000412, 0.0005946) |
| Aceh     | Lower respiratory infections                  | 60  | 1,154.1 (679.4, 1,741.6)    | 0.025275 (0.0148798, 0.0381418) | 1,362.7 (840.1, 1,977.9)    | 0.025836 (0.0159276, 0.0374990) |
| Aceh     | Malaria                                       | 60  | 60.9 (7.4, 181.5)           | 0.001333 (0.0001610, 0.0039754) | 46.7 (5.6, 155.2)           | 0.000886 (0.0001063, 0.0029426) |
| Aceh     | Tuberculosis                                  | 60  | 2,224.4 (1,523.4, 2,994.0)  | 0.048715 (0.0333633, 0.0655681) | 1,593.9 (1,087.2, 2,193.2)  | 0.030218 (0.0206114, 0.0415802) |
| Aceh     | Other communicable diseases                   | 60  | 400.4 (204.6, 643.9)        | 0.008769 (0.0044803, 0.0141017) | 516.7 (280.9, 824.1)        | 0.009797 (0.0053248, 0.0156236) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 60  | 438.8 (181.1, 846.0)        | 0.009610 (0.0039654, 0.0185266) | 134.3 (53.1, 269.1)         | 0.002546 (0.0010061, 0.0051022) |
| Aceh     | Breast cancer                                 | 60  | 13.7 (4.8, 31.1)            | 0.000300 (0.0001053, 0.0006816) | 598.7 (309.8, 1,013.7)      | 0.011352 (0.0058726, 0.0192182) |
| Aceh     | Cervical cancer                               | 60  |                             |                                 | 499.5 (206.9, 922.9)        | 0.009469 (0.0039220, 0.0174974) |
| Aceh     | Other malignant neoplasms                     | 60  | 721.6 (443.4, 1,096.9)      | 0.015803 (0.0097099, 0.0240223) | 621.0 (323.0, 1,009.3)      | 0.011774 (0.0061237, 0.0191349) |
| Aceh     | Cerebrovascular disease                       | 60  | 7,821.2 (5,793.0, 9,708.2)  | 0.171285 (0.1268672, 0.2126106) | 9,458.3 (7,684.3, 11,558.6) | 0.179317 (0.1456839, 0.2191359) |
| Aceh     | Ischemic heart disease                        | 60  | 5,147.1 (3,704.6, 6,629.1)  | 0.112721 (0.0811302, 0.1451775) | 3,690.7 (2,756.5, 4,741.8)  | 0.069971 (0.0522587, 0.0898975) |
| Aceh     | Other cardiovascular and circulatory diseases | 60  | 940.9 (528.9, 1,492.5)      | 0.020606 (0.0115834, 0.0326861) | 1,258.4 (728.7, 1,979.9)    | 0.023857 (0.0138158, 0.0375366) |
| Aceh     | Diabetes mellitus                             | 60  | 1,782.1 (1,228.5, 2,473.0)  | 0.039029 (0.0269049, 0.0541583) | 3,170.6 (2,325.8, 4,246.1)  | 0.060110 (0.0440946, 0.0805005) |
| Aceh     | Chronic kidney disease                        | 60  | 892.9 (602.6, 1,221.8)      | 0.019555 (0.0131964, 0.0267572) | 887.6 (611.8, 1,250.5)      | 0.016827 (0.0115989, 0.0237082) |
| Aceh     | Cirrhosis                                     | 60  | 943.1 (582.6, 1,406.6)      | 0.020655 (0.0127586, 0.0308051) | 730.2 (448.1, 1,082.2)      | 0.013844 (0.0084954, 0.0205165) |
| Aceh     | Chronic respiratory diseases                  | 60  | 2,538.5 (1,754.1, 3,411.7)  | 0.055593 (0.0384147, 0.0747173) | 1,978.8 (1,386.9, 2,694.5)  | 0.037515 (0.0262929, 0.0510836) |
| Aceh     | Other non-communicable diseases               | 60  | 2,147.8 (1,510.0, 2,942.5)  | 0.047036 (0.0330683, 0.0644411) | 2,581.7 (1,895.9, 3,472.5)  | 0.048946 (0.0359433, 0.0658334) |
| Aceh     | Drowning                                      | 60  | 27.4 (9.5, 58.1)            | 0.000600 (0.0002086, 0.0012717) | 22.1 (7.3, 49.8)            | 0.000420 (0.0001388, 0.0009450) |
| Aceh     | Falls                                         | 60  | 208.2 (98.7, 381.7)         | 0.004560 (0.0021611, 0.0083587) | 175.2 (90.5, 303.0)         | 0.003321 (0.0017159, 0.0057449) |
| Aceh     | Interpersonal violence                        | 60  | 46.4 (21.4, 89.2)           | 0.001016 (0.0004682, 0.0019531) | 31.3 (14.5, 59.8)           | 0.000593 (0.0002748, 0.0011337) |
| Aceh     | Self-harm                                     | 60  | 104.2 (55.8, 180.5)         | 0.002282 (0.0012225, 0.0039526) | 52.9 (27.7, 92.3)           | 0.001004 (0.0005253, 0.0017506) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                     |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Aceh     | Transport injuries                            | 60  | 447.1 (258.3, 690.4)       | 0.009792 (0.0056575, 0.0151205) | 228.3 (133.2, 362.1)        | 0.004329 (0.0025249, 0.0068641) |
| Aceh     | Other unintentional injuries                  | 60  | 332.0 (187.1, 537.8)       | 0.007272 (0.0040984, 0.0117788) | 177.5 (98.6, 283.4)         | 0.003364 (0.0018698, 0.0053720) |
| Aceh     | Diarrheal diseases                            | 65  | 731.6 (445.8, 1,081.7)     | 0.021660 (0.0131984, 0.0320246) | 1,186.3 (818.5, 1,702.0)    | 0.030341 (0.0209348, 0.0435325) |
| Aceh     | HIV/AIDS                                      | 65  | 7.5 (1.6, 21.9)            | 0.000224 (0.0000480, 0.0006489) | 8.7 (1.8, 24.9)             | 0.000223 (0.0000466, 0.0006371) |
| Aceh     | Lower respiratory infections                  | 65  | 1,158.8 (674.9, 1,719.7)   | 0.034308 (0.0199822, 0.0509146) | 1,378.8 (869.1, 1,968.5)    | 0.035264 (0.0222277, 0.0503478) |
| Aceh     | Malaria                                       | 65  | 49.6 (6.3, 151.6)          | 0.001468 (0.0001855, 0.0044880) | 37.1 (4.3, 120.1)           | 0.000948 (0.0001095, 0.0030722) |
| Aceh     | Tuberculosis                                  | 65  | 1,953.7 (1,333.7, 2,675.7) | 0.057843 (0.0394858, 0.0792188) | 1,397.6 (962.9, 1,898.8)    | 0.035746 (0.0246269, 0.0485657) |
| Aceh     | Other communicable diseases                   | 65  | 319.5 (159.5, 535.6)       | 0.009459 (0.0047228, 0.0158563) | 409.3 (213.7, 658.7)        | 0.010468 (0.0054658, 0.0168469) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 65  | 326.5 (138.0, 635.1)       | 0.009667 (0.0040868, 0.0188025) | 89.8 (36.1, 178.8)          | 0.002297 (0.0009229, 0.0045728) |
| Aceh     | Breast cancer                                 | 65  | 8.9 (2.8, 21.8)            | 0.000263 (0.0000838, 0.0006451) | 382.3 (191.6, 663.0)        | 0.009779 (0.0048994, 0.0169583) |
| Aceh     | Cervical cancer                               | 65  |                            |                                 | 299.6 (121.0, 587.6)        | 0.007664 (0.0030954, 0.0150292) |
| Aceh     | Other malignant neoplasms                     | 65  | 478.3 (288.5, 734.2)       | 0.014162 (0.0085428, 0.0217376) | 543.5 (295.9, 887.5)        | 0.013900 (0.0075688, 0.0227006) |
| Aceh     | Cerebrovascular disease                       | 65  | 7,107.3 (5,149.4, 9,051.1) | 0.210423 (0.1524576, 0.2679715) | 9,016.9 (7,400.5, 11,001.2) | 0.230622 (0.1892817, 0.2813744) |
| Aceh     | Ischemic heart disease                        | 65  | 4,372.7 (3,099.4, 5,672.3) | 0.129462 (0.0917638, 0.1679378) | 3,269.1 (2,446.5, 4,192.0)  | 0.083613 (0.0625741, 0.1072177) |
| Aceh     | Other cardiovascular and circulatory diseases | 65  | 899.5 (496.0, 1,441.7)     | 0.026632 (0.0146847, 0.0426830) | 1,264.7 (752.8, 1,996.3)    | 0.032346 (0.0192531, 0.0510600) |
| Aceh     | Diabetes mellitus                             | 65  | 1,237.1 (827.8, 1,724.5)   | 0.036627 (0.0245072, 0.0510572) | 2,348.0 (1,692.8, 3,160.5)  | 0.060055 (0.0432967, 0.0808364) |
| Aceh     | Chronic kidney disease                        | 65  | 719.0 (480.7, 994.2)       | 0.021287 (0.0142316, 0.0294345) | 753.6 (522.7, 1,056.2)      | 0.019275 (0.0133681, 0.0270154) |
| Aceh     | Cirrhosis                                     | 65  | 648.0 (390.8, 982.1)       | 0.019186 (0.0115702, 0.0290766) | 531.8 (321.2, 783.6)        | 0.013601 (0.0082158, 0.0200418) |
| Aceh     | Chronic respiratory diseases                  | 65  | 2,393.5 (1,686.3, 3,207.9) | 0.070863 (0.0499265, 0.0949765) | 1,961.9 (1,411.7, 2,639.0)  | 0.050178 (0.0361066, 0.0674970) |
| Aceh     | Other non-communicable diseases               | 65  | 2,095.2 (1,456.3, 2,858.9) | 0.062031 (0.0431165, 0.0846424) | 2,645.7 (1,984.5, 3,537.8)  | 0.067669 (0.0507564, 0.0904846) |
| Aceh     | Drowning                                      | 65  | 19.9 (6.9, 43.4)           | 0.000589 (0.0002052, 0.0012858) | 16.6 (5.7, 38.8)            | 0.000425 (0.0001448, 0.0009935) |
| Aceh     | Falls                                         | 65  | 191.4 (88.4, 352.4)        | 0.005666 (0.0026175, 0.0104326) | 166.0 (86.1, 283.4)         | 0.004246 (0.0022024, 0.0072495) |
| Aceh     | Interpersonal violence                        | 65  | 30.3 (13.1, 60.0)          | 0.000897 (0.0003868, 0.0017775) | 20.7 (9.0, 40.8)            | 0.000529 (0.0002295, 0.0010434) |
| Aceh     | Self-harm                                     | 65  | 77.2 (40.1, 137.0)         | 0.002286 (0.0011863, 0.0040556) | 39.7 (20.2, 68.1)           | 0.001015 (0.0005167, 0.0017411) |
| Aceh     | Transport injuries                            | 65  | 322.6 (184.0, 512.1)       | 0.009550 (0.0054473, 0.0151616) | 169.0 (97.3, 276.5)         | 0.004322 (0.0024874, 0.0070724) |
| Aceh     | Other unintentional injuries                  | 65  | 259.2 (144.6, 418.4)       | 0.007673 (0.0042820, 0.0123880) | 141.5 (77.9, 228.6)         | 0.003619 (0.0019917, 0.0058470) |
| Aceh     | Diarrheal diseases                            | 70  | 828.1 (517.7, 1,224.2)     | 0.036006 (0.0225105, 0.0532267) | 1,515.5 (1,060.1, 2,101.3)  | 0.048675 (0.0340485, 0.0674890) |
| Aceh     | HIV/AIDS                                      | 70  | 8.3 (1.9, 24.6)            | 0.000363 (0.0000811, 0.0010706) | 10.8 (2.2, 33.5)            | 0.000346 (0.0000721, 0.0010762) |
| Aceh     | Lower respiratory infections                  | 70  | 1,196.0 (708.3, 1,766.5)   | 0.052003 (0.0307980, 0.0768058) | 1,681.7 (1,088.4, 2,408.3)  | 0.054012 (0.0349579, 0.0773497) |
| Aceh     | Malaria                                       | 70  | 38.5 (4.9, 125.7)          | 0.001673 (0.0002136, 0.0054636) | 30.6 (3.6, 102.6)           | 0.000984 (0.0001172, 0.0032959) |
| Aceh     | Tuberculosis                                  | 70  | 1,686.2 (1,137.0, 2,320.8) | 0.073317 (0.0494347, 0.1009061) | 1,358.7 (925.8, 1,864.8)    | 0.043640 (0.0297340, 0.0598937) |
| Aceh     | Other communicable diseases                   | 70  | 267.6 (133.9, 450.8)       | 0.011634 (0.0058217, 0.0196009) | 393.8 (214.4, 639.3)        | 0.012649 (0.0068876, 0.0205328) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 70  | 234.3 (95.7, 457.3)        | 0.010188 (0.0041631, 0.0198840) | 72.0 (27.6, 145.6)          | 0.002311 (0.0008873, 0.0046759) |
| Aceh     | Breast cancer                                 | 70  | 5.4 (1.5, 14.2)            | 0.000234 (0.0000663, 0.0006155) | 235.3 (113.4, 428.9)        | 0.007557 (0.0036408, 0.0137770) |
| Aceh     | Cervical cancer                               | 70  |                            |                                 | 172.6 (64.7, 343.8)         | 0.005543 (0.0020770, 0.0110432) |
| Aceh     | Other malignant neoplasms                     | 70  | 312.5 (182.8, 485.6)       | 0.013587 (0.0079467, 0.0211149) | 444.9 (245.6, 733.6)        | 0.014290 (0.0078876, 0.0235603) |
| Aceh     | Cerebrovascular disease                       | 70  | 6,089.0 (4,382.7, 7,665.3) | 0.264750 (0.1905599, 0.3332866) | 9,280.3 (7,672.9, 11,158.6) | 0.298066 (0.2464377, 0.3583923) |
| Aceh     | Ischemic heart disease                        | 70  | 3,568.4 (2,479.3, 4,692.8) | 0.155152 (0.1077994, 0.2040418) | 3,308.1 (2,492.5, 4,214.7)  | 0.106249 (0.0800549, 0.1353680) |
| Aceh     | Other cardiovascular and circulatory diseases | 70  | 840.4 (466.2, 1,328.6)     | 0.036542 (0.0202709, 0.0577666) | 1,357.8 (817.1, 2,143.5)    | 0.043611 (0.0262437, 0.0688449) |
| Aceh     | Diabetes mellitus                             | 70  | 780.3 (514.0, 1,097.0)     | 0.033927 (0.0223477, 0.0476974) | 1,765.1 (1,278.8, 2,381.7)  | 0.056691 (0.0410719, 0.0764945) |
| Aceh     | Chronic kidney disease                        | 70  | 536.8 (351.3, 740.2)       | 0.023340 (0.0152736, 0.0321840) | 655.2 (459.0, 912.6)        | 0.021042 (0.0147415, 0.0293120) |
| Aceh     | Cirrhosis                                     | 70  | 452.2 (273.7, 677.1)       | 0.019662 (0.0119023, 0.0294417) | 450.2 (272.9, 656.2)        | 0.014461 (0.0087651, 0.0210755) |
| Aceh     | Chronic respiratory diseases                  | 70  | 2,466.8 (1,728.2, 3,270.0) | 0.107256 (0.0751414, 0.1421815) | 2,270.3 (1,665.2, 3,017.3)  | 0.072917 (0.0534837, 0.0969114) |
| Aceh     | Other non-communicable diseases               | 70  | 1,951.5 (1,375.0, 2,655.4) | 0.084851 (0.0597840, 0.1154563) | 2,904.2 (2,228.3, 3,832.1)  | 0.093277 (0.0715686, 0.1230803) |
| Aceh     | Drowning                                      | 70  | 25.2 (10.5, 53.8)          | 0.001098 (0.0004578, 0.0023382) | 26.8 (10.7, 53.1)           | 0.000860 (0.0003449, 0.0017064) |
| Aceh     | Falls                                         | 70  | 164.8 (79.7, 290.2)        | 0.007167 (0.0034664, 0.0126190) | 177.3 (94.9, 296.5)         | 0.005695 (0.0030477, 0.0095238) |
| Aceh     | Interpersonal violence                        | 70  | 18.4 (7.0, 39.0)           | 0.000801 (0.0003038, 0.0016968) | 14.1 (5.6, 30.5)            | 0.000454 (0.0001788, 0.0009793) |
| Aceh     | Self-harm                                     | 70  | 56.2 (28.4, 101.1)         | 0.002443 (0.0012340, 0.0043952) | 32.0 (15.7, 56.6)           | 0.001028 (0.0005057, 0.0018172) |
| Aceh     | Transport injuries                            | 70  | 244.1 (135.0, 394.1)       | 0.010615 (0.0058678, 0.0171375) | 154.6 (82.8, 259.6)         | 0.004967 (0.0026586, 0.0083383) |
| Aceh     | Other unintentional injuries                  | 70  | 205.3 (113.1, 335.7)       | 0.008926 (0.0049194, 0.0145975) | 131.8 (75.3, 216.2)         | 0.004234 (0.0024191, 0.0069432) |
| Aceh     | Diarrheal diseases                            | 75  | 485.2 (300.3, 709.5)       | 0.046659 (0.0288762, 0.0682237) | 1,060.6 (763.1, 1,429.5)    | 0.065255 (0.0469489, 0.0879519) |
| Aceh     | HIV/AIDS                                      | 75  | 3.2 (0.7, 9.8)             | 0.000309 (0.0000640, 0.0009457) | 5.0 (1.0, 16.0)             | 0.000310 (0.0000644, 0.0009866) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Aceh     | Lower respiratory infections                  | 75  | 623.4 (365.8, 936.9)          | 0.059944 (0.0351789, 0.0900863) | 1,037.6 (674.4, 1,450.3)      | 0.063843 (0.0414932, 0.0892342) |
| Aceh     | Malaria                                       | 75  | 18.9 (2.3, 62.2)              | 0.001813 (0.0002251, 0.0059765) | 19.0 (2.3, 64.3)              | 0.001168 (0.0001394, 0.0039549) |
| Aceh     | Tuberculosis                                  | 75  | 702.2 (451.7, 1,001.4)        | 0.067520 (0.0434362, 0.0962945) | 712.0 (469.8, 991.9)          | 0.043809 (0.0289080, 0.0610276) |
| Aceh     | Other communicable diseases                   | 75  | 127.2 (60.2, 219.0)           | 0.012235 (0.0057890, 0.0210574) | 220.2 (115.2, 359.2)          | 0.013550 (0.0070884, 0.0220996) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 75  | 87.4 (35.4, 177.2)            | 0.008405 (0.0034087, 0.0170354) | 33.5 (12.6, 67.9)             | 0.002063 (0.0007760, 0.0041806) |
| Aceh     | Breast cancer                                 | 75  | 1.7 (0.4, 4.8)                | 0.000164 (0.0000405, 0.0004619) | 99.8 (45.7, 181.9)            | 0.006141 (0.0028132, 0.0111946) |
| Aceh     | Cervical cancer                               | 75  |                               |                                 | 64.5 (22.1, 133.6)            | 0.003968 (0.0013570, 0.0082172) |
| Aceh     | Other malignant neoplasms                     | 75  | 115.5 (66.1, 184.1)           | 0.011110 (0.0063594, 0.0177024) | 244.4 (140.5, 393.6)          | 0.015040 (0.0086458, 0.0242195) |
| Aceh     | Cerebrovascular disease                       | 75  | 2,997.6 (2,090.2, 3,916.8)    | 0.288238 (0.2009901, 0.3766310) | 5,803.2 (4,868.2, 6,900.3)    | 0.357053 (0.2995226, 0.4245533) |
| Aceh     | Ischemic heart disease                        | 75  | 1,880.2 (1,275.8, 2,528.0)    | 0.180796 (0.1226806, 0.2430883) | 2,270.4 (1,748.5, 2,870.2)    | 0.139692 (0.1075782, 0.1765940) |
| Aceh     | Other cardiovascular and circulatory diseases | 75  | 421.8 (230.1, 667.3)          | 0.040555 (0.0221229, 0.0641685) | 880.1 (541.9, 1,363.8)        | 0.054152 (0.0333417, 0.0839097) |
| Aceh     | Diabetes mellitus                             | 75  | 319.6 (203.2, 462.3)          | 0.030728 (0.0195431, 0.0444555) | 936.9 (665.8, 1,268.8)        | 0.057643 (0.0409620, 0.0780672) |
| Aceh     | Chronic kidney disease                        | 75  | 233.8 (150.8, 339.9)          | 0.022483 (0.0144958, 0.0326868) | 373.2 (264.5, 515.6)          | 0.022960 (0.0162752, 0.0317244) |
| Aceh     | Cirrhosis                                     | 75  | 196.1 (114.1, 301.3)          | 0.018861 (0.0109736, 0.0289708) | 244.0 (146.7, 356.3)          | 0.015011 (0.0090234, 0.0219215) |
| Aceh     | Chronic respiratory diseases                  | 75  | 1,177.2 (792.8, 1,622.6)      | 0.113195 (0.0762339, 0.1560215) | 1,375.4 (982.7, 1,796.1)      | 0.084625 (0.0604643, 0.1105078) |
| Aceh     | Other non-communicable diseases               | 75  | 1,094.6 (747.0, 1,505.3)      | 0.105252 (0.0718293, 0.1447434) | 2,079.4 (1,615.7, 2,680.0)    | 0.127940 (0.0994118, 0.1648920) |
| Aceh     | Drowning                                      | 75  | 18.3 (7.0, 40.2)              | 0.001760 (0.0006703, 0.0038697) | 21.0 (8.5, 44.1)              | 0.001293 (0.0005253, 0.0027136) |
| Aceh     | Falls                                         | 75  | 100.7 (47.5, 175.5)           | 0.009680 (0.0045642, 0.0168771) | 121.9 (65.7, 201.3)           | 0.007503 (0.0040433, 0.0123836) |
| Aceh     | Interpersonal violence                        | 75  | 6.9 (2.0, 17.8)               | 0.000668 (0.0001935, 0.0017146) | 6.6 (2.1, 17.1)               | 0.000408 (0.0001282, 0.0010510) |
| Aceh     | Self-harm                                     | 75  | 25.5 (11.6, 47.2)             | 0.002453 (0.0011193, 0.0045402) | 18.5 (8.4, 35.3)              | 0.001136 (0.0005161, 0.0021716) |
| Aceh     | Transport injuries                            | 75  | 91.4 (46.1, 162.2)            | 0.008787 (0.0044290, 0.0155999) | 67.0 (34.2, 116.5)            | 0.004120 (0.0021015, 0.0071672) |
| Aceh     | Other unintentional injuries                  | 75  | 97.5 (52.0, 158.9)            | 0.009379 (0.0049957, 0.0152785) | 74.8 (42.5, 123.5)            | 0.004601 (0.0026131, 0.0076009) |
| Aceh     | Diarrheal diseases                            | 80  | 1,135.2 (796.4, 1,529.5)      | 0.110937 (0.0778307, 0.1494683) | 2,317.2 (1,764.1, 2,958.0)    | 0.149757 (0.1140086, 0.1911703) |
| Aceh     | HIV/AIDS                                      | 80  | 4.5 (0.8, 16.1)               | 0.000444 (0.0000782, 0.0015688) | 7.0 (1.2, 24.8)               | 0.000455 (0.0000743, 0.0016035) |
| Aceh     | Lower respiratory infections                  | 80  | 1,035.8 (653.2, 1,492.5)      | 0.101221 (0.0638359, 0.1458520) | 1,695.3 (1,122.1, 2,395.6)    | 0.109562 (0.0725178, 0.1548228) |
| Aceh     | Malaria                                       | 80  | 28.0 (3.3, 92.8)              | 0.002736 (0.0003260, 0.0090735) | 27.8 (3.2, 95.4)              | 0.001798 (0.0002063, 0.0061642) |
| Aceh     | Tuberculosis                                  | 80  | 893.4 (587.4, 1,236.4)        | 0.087309 (0.0574071, 0.1208239) | 952.4 (614.7, 1,338.1)        | 0.061555 (0.0397303, 0.0864777) |
| Aceh     | Other communicable diseases                   | 80  | 206.2 (107.3, 333.3)          | 0.020148 (0.0104835, 0.0325719) | 330.7 (180.5, 537.3)          | 0.021373 (0.0116650, 0.0347276) |
| Aceh     | Tracheal, bronchus, and lung cancer           | 80  | 89.3 (34.9, 181.4)            | 0.008726 (0.0034089, 0.0177270) | 37.7 (14.0, 81.1)             | 0.002434 (0.0009035, 0.0052407) |
| Aceh     | Breast cancer                                 | 80  | 1.7 (0.4, 4.8)                | 0.000162 (0.0000346, 0.0004734) | 92.6 (38.5, 180.6)            | 0.005988 (0.0024891, 0.0116749) |
| Aceh     | Cervical cancer                               | 80  |                               |                                 | 53.5 (16.0, 118.6)            | 0.003459 (0.0010371, 0.0076640) |
| Aceh     | Other malignant neoplasms                     | 80  | 127.0 (75.7, 196.7)           | 0.012411 (0.0073985, 0.0192249) | 274.9 (157.1, 435.4)          | 0.017764 (0.0101545, 0.0281420) |
| Aceh     | Cerebrovascular disease                       | 80  | 4,087.0 (3,177.9, 5,000.9)    | 0.399397 (0.3105528, 0.4887061) | 8,202.8 (7,074.1, 9,541.1)    | 0.530138 (0.4571905, 0.6166303) |
| Aceh     | Ischemic heart disease                        | 80  | 2,314.4 (1,753.9, 2,948.5)    | 0.226174 (0.1713954, 0.2881320) | 3,118.5 (2,433.9, 3,857.0)    | 0.201543 (0.1573013, 0.2492736) |
| Aceh     | Other cardiovascular and circulatory diseases | 80  | 536.3 (298.3, 851.3)          | 0.052412 (0.0291523, 0.0831873) | 1,143.0 (686.0, 1,758.1)      | 0.073869 (0.0443366, 0.1136243) |
| Aceh     | Diabetes mellitus                             | 80  | 342.4 (231.4, 476.9)          | 0.033465 (0.0226099, 0.0466061) | 1,062.5 (762.8, 1,425.5)      | 0.068670 (0.0493006, 0.0921289) |
| Aceh     | Chronic kidney disease                        | 80  | 257.2 (174.5, 359.6)          | 0.025130 (0.0170511, 0.0351397) | 437.5 (308.7, 610.9)          | 0.028275 (0.0199508, 0.0394799) |
| Aceh     | Cirrhosis                                     | 80  | 226.7 (136.6, 334.9)          | 0.022156 (0.0133537, 0.0327300) | 288.7 (174.2, 419.2)          | 0.018660 (0.0112554, 0.0270927) |
| Aceh     | Chronic respiratory diseases                  | 80  | 1,581.8 (1,143.5, 2,069.0)    | 0.154580 (0.1117496, 0.2021860) | 1,846.7 (1,342.1, 2,396.6)    | 0.119349 (0.0867393, 0.1548872) |
| Aceh     | Other non-communicable diseases               | 80  | 1,641.3 (1,232.5, 2,131.1)    | 0.160398 (0.1204398, 0.2082570) | 3,206.4 (2,528.9, 3,987.6)    | 0.207223 (0.1634410, 0.2577136) |
| Aceh     | Drowning                                      | 80  | 25.8 (8.6, 57.8)              | 0.002521 (0.0008448, 0.0056514) | 27.1 (9.5, 59.2)              | 0.001749 (0.0006126, 0.0038291) |
| Aceh     | Falls                                         | 80  | 182.9 (97.6, 299.3)           | 0.017872 (0.0095348, 0.0292503) | 208.7 (121.9, 332.5)          | 0.013489 (0.0078813, 0.0214872) |
| Aceh     | Interpersonal violence                        | 80  | 7.1 (1.1, 22.2)               | 0.000691 (0.0001113, 0.0021734) | 7.0 (1.4, 20.4)               | 0.000450 (0.0000899, 0.0013212) |
| Aceh     | Self-harm                                     | 80  | 30.9 (12.6, 62.5)             | 0.003016 (0.0012357, 0.0061098) | 23.3 (9.0, 49.3)              | 0.001508 (0.0005826, 0.0031831) |
| Aceh     | Transport injuries                            | 80  | 107.8 (54.5, 189.6)           | 0.010539 (0.0053254, 0.0185255) | 76.2 (38.4, 138.5)            | 0.004923 (0.0024811, 0.0089518) |
| Aceh     | Other unintentional injuries                  | 80  | 123.0 (61.8, 204.2)           | 0.012020 (0.0060403, 0.0199503) | 93.3 (47.1, 162.5)            | 0.006029 (0.0030460, 0.0104997) |
| Aceh     | Diarrheal diseases                            | All | 13,746.3 (9,199.2, 19,749.4)  | 0.005697 (0.0038126, 0.0081852) | 17,709.7 (12,848.9, 24,378.2) | 0.007321 (0.0053113, 0.0100771) |
| Aceh     | HIV/AIDS                                      | All | 3,189.6 (1,045.2, 7,824.4)    | 0.001322 (0.0004332, 0.0032428) | 2,182.4 (601.0, 5,164.6)      | 0.000902 (0.0002484, 0.0021349) |
| Aceh     | Lower respiratory infections                  | All | 25,327.3 (17,173.4, 35,150.7) | 0.010497 (0.0071176, 0.0145683) | 21,061.1 (14,338.3, 30,017.3) | 0.008706 (0.0059269, 0.0124081) |
| Aceh     | Malaria                                       | All | 1,599.9 (222.6, 4,744.2)      | 0.000663 (0.0000922, 0.0019662) | 1,091.4 (145.9, 3,399.9)      | 0.000451 (0.0000603, 0.0014054) |
| Aceh     | Tuberculosis                                  | All | 37,101.2 (26,706.1, 50,230.7) | 0.015377 (0.0110685, 0.0208183) | 23,025.2 (15,960.9, 30,777.5) | 0.009518 (0.0065977, 0.0127224) |
| Aceh     | Maternal disorders                            | All |                               |                                 | 9,041.5 (6,131.9, 12,246.6)   | 0.003738 (0.0025347, 0.0050623) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                          |                                 | Females                        |                                 |
|----------------|----------------------------------------------------------|-----|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)                  | YLLs per capita (95% UI)        | YLLs (95% UI)                  | YLLs per capita (95% UI)        |
| Aceh           | Neonatal encephalopathy due to birth asphyxia and trauma | All | 11,055.5 (5,164.5, 18,598.3)   | 0.004582 (0.0021405, 0.0077081) | 6,983.7 (3,311.1, 12,506.2)    | 0.002887 (0.0013687, 0.0051696) |
| Aceh           | Preterm birth complications                              | All | 7,356.5 (3,135.4, 13,672.7)    | 0.003049 (0.0012995, 0.0056667) | 6,122.5 (2,791.5, 11,345.8)    | 0.002531 (0.0011539, 0.0046900) |
| Aceh           | Other neonatal disorders                                 | All | 3,554.7 (940.6, 7,733.9)       | 0.001473 (0.0003898, 0.0032054) | 2,125.0 (515.7, 5,054.3)       | 0.000878 (0.0002132, 0.0020893) |
| Aceh           | Other communicable diseases                              | All | 22,107.6 (15,272.3, 30,483.7)  | 0.009163 (0.0063297, 0.0126341) | 16,494.1 (11,101.6, 22,779.4)  | 0.006818 (0.0045890, 0.0094162) |
| Aceh           | Tracheal, bronchus, and lung cancer                      | All | 4,021.3 (1,773.7, 7,695.2)     | 0.001667 (0.0007351, 0.0031893) | 1,866.9 (768.6, 3,885.7)       | 0.000772 (0.0003177, 0.0016062) |
| Aceh           | Breast cancer                                            | All | 145.8 (50.7, 336.3)            | 0.000060 (0.0000210, 0.0001394) | 11,562.9 (6,265.7, 18,557.9)   | 0.004780 (0.0025900, 0.0076712) |
| Aceh           | Cervical cancer                                          | All |                                |                                 | 8,106.5 (3,434.5, 15,107.9)    | 0.003351 (0.0014197, 0.0062451) |
| Aceh           | Other malignant neoplasms                                | All | 13,351.0 (8,425.1, 19,887.8)   | 0.005533 (0.0034918, 0.0082426) | 12,421.4 (7,363.6, 19,308.0)   | 0.005135 (0.0030439, 0.0079813) |
| Aceh           | Cerebrovascular disease                                  | All | 65,317.5 (49,195.9, 84,603.3)  | 0.027071 (0.0203894, 0.0350642) | 81,649.6 (65,815.5, 101,180.3) | 0.033751 (0.0272059, 0.0418245) |
| Aceh           | Ischemic heart disease                                   | All | 49,683.2 (36,731.9, 66,005.1)  | 0.020591 (0.0152237, 0.0273561) | 35,978.9 (26,685.2, 46,954.8)  | 0.014872 (0.0110308, 0.0194095) |
| Aceh           | Other cardiovascular and circulatory diseases            | All | 9,045.1 (5,134.1, 14,330.0)    | 0.003749 (0.0021278, 0.0059391) | 12,891.9 (7,654.3, 20,822.8)   | 0.005329 (0.0031640, 0.0086074) |
| Aceh           | Diabetes mellitus                                        | All | 14,029.5 (9,641.1, 19,744.7)   | 0.005815 (0.0039958, 0.0081833) | 25,444.2 (18,331.5, 34,802.4)  | 0.010518 (0.0075776, 0.0143861) |
| Aceh           | Chronic kidney disease                                   | All | 12,826.9 (9,027.1, 17,612.1)   | 0.005316 (0.0037413, 0.0072994) | 13,541.6 (9,469.3, 18,882.9)   | 0.005598 (0.0039143, 0.0078055) |
| Aceh           | Cirrhosis                                                | All | 14,102.9 (8,778.5, 21,040.7)   | 0.005845 (0.0036383, 0.0087204) | 9,623.1 (5,863.1, 14,367.1)    | 0.003978 (0.0024236, 0.0059389) |
| Aceh           | Chronic respiratory diseases                             | All | 23,431.6 (16,333.8, 32,155.2)  | 0.009711 (0.0067696, 0.0133268) | 19,815.6 (13,677.7, 27,351.1)  | 0.008191 (0.0056539, 0.0113060) |
| Aceh           | Other non-communicable diseases                          | All | 41,260.8 (31,597.1, 53,538.1)  | 0.017101 (0.0130955, 0.0221891) | 47,072.0 (36,956.9, 60,144.9)  | 0.019458 (0.0152767, 0.0248619) |
| Aceh           | Drowning                                                 | All | 6,736.4 (3,949.4, 10,358.1)    | 0.002792 (0.0016368, 0.0042930) | 2,411.2 (1,285.3, 3,876.6)     | 0.000997 (0.0005313, 0.0016025) |
| Aceh           | Falls                                                    | All | 4,497.1 (2,323.0, 7,832.4)     | 0.001864 (0.0009628, 0.0032462) | 2,634.7 (1,392.6, 4,476.8)     | 0.001089 (0.0005757, 0.0018506) |
| Aceh           | Interpersonal violence                                   | All | 3,312.0 (1,989.8, 5,175.4)     | 0.001373 (0.0008247, 0.0021450) | 2,412.5 (1,308.2, 4,024.9)     | 0.000997 (0.0005408, 0.0016638) |
| Aceh           | Self-harm                                                | All | 4,186.4 (2,568.6, 6,553.3)     | 0.001735 (0.0010646, 0.0027160) | 2,596.1 (1,552.8, 4,134.9)     | 0.001073 (0.0006419, 0.0017092) |
| Aceh           | Transport injuries                                       | All | 33,505.1 (23,929.9, 45,317.6)  | 0.013886 (0.0099178, 0.0187820) | 12,141.6 (8,275.5, 17,473.1)   | 0.005019 (0.0034208, 0.0072228) |
| Aceh           | Other unintentional injuries                             | All | 15,679.3 (10,307.6, 22,548.2)  | 0.006498 (0.0042720, 0.0093452) | 6,856.7 (4,306.8, 10,206.5)    | 0.002834 (0.0017803, 0.0042190) |
| Sumatera Utara | Diarrheal diseases                                       | NN  | 4,621.4 (2,108.9, 8,231.0)     | 0.361883 (0.1651414, 0.6445384) | 3,817.9 (1,737.2, 7,037.7)     | 0.310028 (0.1410626, 0.5714781) |
| Sumatera Utara | Lower respiratory infections                             | NN  | 25,057.0 (12,675.1, 40,539.4)  | 1.962132 (0.9925421, 3.1745081) | 15,309.4 (7,928.1, 25,793.5)   | 1.243166 (0.6439143, 2.0945070) |
| Sumatera Utara | Malaria                                                  | NN  | 220.3 (54.5, 594.4)            | 0.017251 (0.0042716, 0.0465480) | 127.6 (34.2, 344.8)            | 0.010360 (0.0027771, 0.0279974) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 77,192.0 (39,020.1, 123,859.0) | 6.044647 (3.0555320, 9.6989832) | 53,222.9 (27,441.2, 91,113.8)  | 4.321856 (2.2283020, 7.3987041) |
| Sumatera Utara | Preterm birth complications                              | NN  | 56,862.2 (27,232.2, 94,185.1)  | 4.452690 (2.1324630, 7.3753219) | 51,611.3 (26,206.9, 86,612.0)  | 4.190991 (2.1280749, 7.0331440) |
| Sumatera Utara | Other neonatal disorders                                 | NN  | 30,853.3 (13,087.5, 56,949.1)  | 2.416022 (1.0248400, 4.4594908) | 20,001.5 (8,556.3, 39,547.4)   | 1.624182 (0.6947970, 3.2113640) |
| Sumatera Utara | Other communicable diseases                              | NN  | 3,305.5 (1,425.8, 6,179.2)     | 0.258841 (0.1116526, 0.4838727) | 1,931.0 (856.6, 3,858.8)       | 0.156805 (0.0695588, 0.3133482) |
| Sumatera Utara | Other malignant neoplasms                                | NN  | 1,487.2 (580.1, 2,959.4)       | 0.116459 (0.0454291, 0.2317408) | 1,168.7 (477.5, 2,348.4)       | 0.094899 (0.0387756, 0.1906956) |
| Sumatera Utara | Cerebrovascular disease                                  | NN  | 502.8 (120.3, 1,284.5)         | 0.039375 (0.0094213, 0.1005831) | 511.7 (139.9, 1,319.4)         | 0.041554 (0.0113607, 0.1071398) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | NN  | 303.2 (70.7, 804.1)            | 0.023741 (0.0055339, 0.0629676) | 285.7 (74.2, 715.4)            | 0.023199 (0.0060237, 0.0580943) |
| Sumatera Utara | Diabetes mellitus                                        | NN  | 228.9 (1.2, 1,789.1)           | 0.017923 (0.0000966, 0.1401001) | 242.0 (1.5, 1,984.0)           | 0.019648 (0.0001208, 0.1611048) |
| Sumatera Utara | Other non-communicable diseases                          | NN  | 32,829.1 (16,651.2, 51,930.6)  | 2.570741 (1.3039020, 4.0665121) | 29,701.7 (15,869.3, 48,847.0)  | 2.411864 (1.2886360, 3.9665160) |
| Sumatera Utara | Drowning                                                 | NN  | 2,920.0 (1,105.3, 5,594.1)     | 0.228657 (0.0865542, 0.4380528) | 787.5 (290.6, 1,705.6)         | 0.063944 (0.0235971, 0.1385003) |
| Sumatera Utara | Falls                                                    | NN  | 1,258.2 (472.9, 2,559.1)       | 0.098529 (0.0370341, 0.2003918) | 459.6 (158.1, 1,009.2)         | 0.037324 (0.0128360, 0.0819497) |
| Sumatera Utara | Interpersonal violence                                   | NN  | 666.8 (203.4, 1,630.3)         | 0.052217 (0.0159277, 0.1276622) | 400.3 (114.2, 1,005.5)         | 0.032503 (0.0092721, 0.0816480) |
| Sumatera Utara | Transport injuries                                       | NN  | 3,460.6 (1,393.1, 6,851.5)     | 0.270986 (0.1090914, 0.5365200) | 925.3 (371.2, 1,874.8)         | 0.075137 (0.0301420, 0.1522430) |
| Sumatera Utara | Other unintentional injuries                             | NN  | 5,009.6 (2,158.9, 9,714.8)     | 0.392285 (0.1690563, 0.7607352) | 1,727.3 (724.3, 3,474.9)       | 0.140262 (0.0588138, 0.2821717) |
| Sumatera Utara | Diarrheal diseases                                       | PNN | 1,600.6 (802.1, 2,686.6)       | 0.010042 (0.0050321, 0.0168555) | 1,811.8 (923.9, 3,030.7)       | 0.011788 (0.0060105, 0.0197175) |
| Sumatera Utara | HIV/AIDS                                                 | PNN | 35.5 (12.5, 80.2)              | 0.000223 (0.0000783, 0.0005031) | 28.3 (10.2, 62.4)              | 0.000184 (0.0000663, 0.0004060) |
| Sumatera Utara | Lower respiratory infections                             | PNN | 783.2 (392.7, 1,307.4)         | 0.004914 (0.0024637, 0.0082023) | 631.1 (317.7, 1,081.1)         | 0.004106 (0.0020669, 0.0070337) |
| Sumatera Utara | Malaria                                                  | PNN | 75.1 (21.0, 193.0)             | 0.000471 (0.0001316, 0.0012108) | 60.0 (16.7, 161.3)             | 0.000390 (0.0001087, 0.0010494) |
| Sumatera Utara | Tuberculosis                                             | PNN | 82.8 (35.6, 149.5)             | 0.000520 (0.0002236, 0.0009378) | 68.8 (30.4, 131.2)             | 0.000447 (0.0001980, 0.0008535) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 77.5 (23.4, 194.5)             | 0.000487 (0.0001470, 0.0012199) | 65.9 (19.4, 158.2)             | 0.000429 (0.0001263, 0.0010293) |
| Sumatera Utara | Preterm birth complications                              | PNN | 133.5 (49.6, 287.8)            | 0.000838 (0.0003114, 0.0018057) | 170.5 (65.2, 348.8)            | 0.001109 (0.0004240, 0.0022690) |
| Sumatera Utara | Other neonatal disorders                                 | PNN | 106.8 (32.5, 248.5)            | 0.000670 (0.0002041, 0.0015592) | 89.7 (27.5, 217.5)             | 0.000584 (0.0001787, 0.0014148) |
| Sumatera Utara | Other communicable diseases                              | PNN | 1,274.1 (612.9, 2,144.1)       | 0.007994 (0.0038455, 0.0134519) | 1,018.2 (510.6, 1,768.5)       | 0.006624 (0.0033220, 0.0115055) |
| Sumatera Utara | Other malignant neoplasms                                | PNN | 30.0 (12.3, 56.8)              | 0.000188 (0.0000774, 0.0003565) | 30.5 (13.3, 60.2)              | 0.000199 (0.0000863, 0.0003916) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                         |                                 | Females                      |                                 |
|----------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Sumatera Utara | Cerebrovascular disease                                  | PNN | 10.2 (2.6, 24.3)              | 0.000064 (0.0000166, 0.0001526) | 13.4 (3.8, 35.5)             | 0.000087 (0.0000245, 0.0002312) |
| Sumatera Utara | Ischemic heart disease                                   | PNN | 4.8 (0.3, 22.7)               | 0.000030 (0.0000019, 0.0001426) | 6.2 (0.4, 28.9)              | 0.000041 (0.0000026, 0.0001883) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | PNN | 6.1 (1.5, 15.9)               | 0.000038 (0.0000097, 0.0000995) | 7.4 (2.0, 18.5)              | 0.000048 (0.0000132, 0.0001207) |
| Sumatera Utara | Diabetes mellitus                                        | PNN | 4.7 (0.0, 35.4)               | 0.000030 (0.0000001, 0.0002224) | 6.5 (0.0, 50.8)              | 0.000042 (0.0000002, 0.0003308) |
| Sumatera Utara | Chronic kidney disease                                   | PNN | 38.3 (14.9, 78.6)             | 0.000240 (0.0000933, 0.0004928) | 40.0 (15.4, 81.0)            | 0.000260 (0.0001000, 0.0005273) |
| Sumatera Utara | Other non-communicable diseases                          | PNN | 660.8 (325.3, 1,101.0)        | 0.004146 (0.0020409, 0.0069073) | 771.1 (388.5, 1,288.3)       | 0.005017 (0.0025273, 0.0083815) |
| Sumatera Utara | Drowning                                                 | PNN | 71.7 (28.9, 133.4)            | 0.000450 (0.0001811, 0.0008372) | 25.0 (9.7, 49.8)             | 0.000162 (0.0000632, 0.0003243) |
| Sumatera Utara | Falls                                                    | PNN | 29.7 (11.7, 59.8)             | 0.000186 (0.0000735, 0.0003752) | 14.0 (5.1, 29.0)             | 0.000091 (0.0000332, 0.0001884) |
| Sumatera Utara | Interpersonal violence                                   | PNN | 15.3 (5.0, 34.2)              | 0.000096 (0.0000313, 0.0002143) | 11.9 (4.0, 27.9)             | 0.000077 (0.0000260, 0.0001813) |
| Sumatera Utara | Transport injuries                                       | PNN | 83.9 (34.5, 157.3)            | 0.000526 (0.0002163, 0.0009869) | 29.0 (11.7, 56.5)            | 0.000189 (0.0000759, 0.0003677) |
| Sumatera Utara | Other unintentional injuries                             | PNN | 116.1 (50.0, 216.5)           | 0.000729 (0.0003135, 0.0013583) | 51.8 (22.6, 96.8)            | 0.000337 (0.0001469, 0.0006299) |
| Sumatera Utara | Diarrheal diseases                                       | 1   | 15,928.1 (6,523.4, 33,550.8)  | 0.024268 (0.0099392, 0.0511185) | 15,079.6 (6,922.8, 28,285.3) | 0.024039 (0.0110359, 0.0450902) |
| Sumatera Utara | HIV/AIDS                                                 | 1   | 780.2 (232.8, 1,928.5)        | 0.001189 (0.0003547, 0.0029383) | 526.9 (166.0, 1,249.4)       | 0.000840 (0.0002646, 0.0019917) |
| Sumatera Utara | Lower respiratory infections                             | 1   | 16,760.2 (6,854.7, 33,643.8)  | 0.025536 (0.0104439, 0.0512601) | 11,503.4 (5,175.4, 21,925.7) | 0.018338 (0.0082502, 0.0349523) |
| Sumatera Utara | Malaria                                                  | 1   | 590.9 (150.0, 1,522.4)        | 0.000900 (0.0002286, 0.0023195) | 400.9 (108.0, 1,033.6)       | 0.000639 (0.0001721, 0.0016477) |
| Sumatera Utara | Tuberculosis                                             | 1   | 1,914.0 (691.5, 4,082.0)      | 0.002916 (0.0010536, 0.0062195) | 1,348.1 (552.2, 2,799.1)     | 0.002149 (0.0008802, 0.0044621) |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 854.1 (214.7, 2,258.4)        | 0.001301 (0.0003272, 0.0034409) | 576.9 (143.7, 1,543.9)       | 0.000920 (0.0002291, 0.0024611) |
| Sumatera Utara | Preterm birth complications                              | 1   | 284.3 (51.9, 910.5)           | 0.000433 (0.0000791, 0.0013873) | 289.3 (54.8, 965.1)          | 0.000461 (0.0000874, 0.0015384) |
| Sumatera Utara | Other neonatal disorders                                 | 1   | 183.7 (1.5, 1,270.3)          | 0.000280 (0.0000023, 0.0019354) | 122.2 (1.1, 880.0)           | 0.000195 (0.0000018, 0.0014028) |
| Sumatera Utara | Other communicable diseases                              | 1   | 28,062.4 (10,927.0, 56,631.1) | 0.042756 (0.0166485, 0.0862841) | 19,222.0 (8,504.0, 36,906.5) | 0.030642 (0.0135564, 0.0588335) |
| Sumatera Utara | Other malignant neoplasms                                | 1   | 434.1 (140.6, 1,008.3)        | 0.000661 (0.0002142, 0.0015363) | 403.7 (144.0, 915.4)         | 0.000644 (0.0002296, 0.0014593) |
| Sumatera Utara | Cerebrovascular disease                                  | 1   | 159.5 (38.2, 450.5)           | 0.000243 (0.0000583, 0.0006864) | 192.9 (50.6, 503.7)          | 0.000307 (0.0000806, 0.0008030) |
| Sumatera Utara | Ischemic heart disease                                   | 1   | 77.9 (4.9, 380.8)             | 0.000119 (0.0000075, 0.0005802) | 92.6 (6.4, 450.0)            | 0.000148 (0.0000102, 0.0007174) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | 1   | 89.0 (20.0, 241.1)            | 0.000136 (0.0000304, 0.0003674) | 99.5 (23.3, 255.5)           | 0.000159 (0.0000371, 0.0004074) |
| Sumatera Utara | Diabetes mellitus                                        | 1   | 64.3 (0.3, 534.5)             | 0.000098 (0.0000005, 0.0008144) | 83.7 (0.4, 645.3)            | 0.000133 (0.0000007, 0.0010286) |
| Sumatera Utara | Chronic kidney disease                                   | 1   | 528.2 (180.6, 1,266.8)        | 0.000805 (0.0002751, 0.0019302) | 504.5 (177.6, 1,144.7)       | 0.000804 (0.0002831, 0.0018249) |
| Sumatera Utara | Cirrhosis                                                | 1   | 1,012.7 (295.3, 2,559.8)      | 0.001543 (0.0004500, 0.0039001) | 510.4 (154.5, 1,274.5)       | 0.000814 (0.0002463, 0.0020317) |
| Sumatera Utara | Chronic respiratory diseases                             | 1   | 1,863.0 (579.1, 4,076.2)      | 0.002838 (0.0008823, 0.0062106) | 746.4 (244.5, 1,747.6)       | 0.001190 (0.0003898, 0.0027858) |
| Sumatera Utara | Other non-communicable diseases                          | 1   | 9,515.6 (3,824.4, 18,735.2)   | 0.014498 (0.0058269, 0.0285452) | 10,131.1 (4,546.8, 19,536.9) | 0.016150 (0.0072481, 0.0311442) |
| Sumatera Utara | Drowning                                                 | 1   | 4,241.9 (1,534.7, 9,143.5)    | 0.006463 (0.0023382, 0.0139311) | 1,306.6 (497.5, 2,741.2)     | 0.002083 (0.0007931, 0.0043698) |
| Sumatera Utara | Falls                                                    | 1   | 1,217.6 (431.7, 2,766.7)      | 0.001855 (0.0006577, 0.0042154) | 503.1 (191.0, 1,134.2)       | 0.000802 (0.0003045, 0.0018081) |
| Sumatera Utara | Interpersonal violence                                   | 1   | 515.2 (152.8, 1,219.2)        | 0.000785 (0.0002328, 0.0018576) | 351.6 (104.1, 857.9)         | 0.000560 (0.0001660, 0.0013677) |
| Sumatera Utara | Transport injuries                                       | 1   | 4,371.3 (1,632.1, 8,957.2)    | 0.006660 (0.0024866, 0.0136473) | 1,334.1 (545.4, 2,811.9)     | 0.002127 (0.0008694, 0.0044825) |
| Sumatera Utara | Other unintentional injuries                             | 1   | 4,096.2 (1,471.5, 8,550.7)    | 0.006241 (0.0022421, 0.0130280) | 1,608.4 (650.9, 3,377.2)     | 0.002564 (0.0010377, 0.0053837) |
| Sumatera Utara | Diarrheal diseases                                       | 5   | 5,969.9 (4,048.6, 8,344.3)    | 0.007441 (0.0050462, 0.0104004) | 5,414.4 (3,948.7, 7,157.1)   | 0.007211 (0.0052590, 0.0095321) |
| Sumatera Utara | HIV/AIDS                                                 | 5   | 210.7 (58.0, 520.7)           | 0.000263 (0.0000722, 0.0006490) | 135.3 (38.5, 309.3)          | 0.000180 (0.0000513, 0.0004119) |
| Sumatera Utara | Lower respiratory infections                             | 5   | 4,151.8 (2,827.5, 5,872.6)    | 0.005175 (0.0035242, 0.0073197) | 2,716.1 (1,911.8, 3,693.4)   | 0.003617 (0.0025461, 0.0049189) |
| Sumatera Utara | Malaria                                                  | 5   | 225.5 (70.8, 558.3)           | 0.000281 (0.0000883, 0.0006958) | 144.3 (50.4, 338.8)          | 0.000192 (0.0000671, 0.0004512) |
| Sumatera Utara | Tuberculosis                                             | 5   | 682.1 (404.1, 1,088.2)        | 0.000850 (0.0005036, 0.0013564) | 457.0 (285.9, 704.6)         | 0.000609 (0.0003808, 0.0009384) |
| Sumatera Utara | Other communicable diseases                              | 5   | 10,363.7 (7,334.4, 13,766.6)  | 0.012918 (0.0091418, 0.0171590) | 6,789.8 (5,093.6, 8,750.5)   | 0.009043 (0.0067838, 0.0116541) |
| Sumatera Utara | Other malignant neoplasms                                | 5   | 1,506.1 (858.6, 2,336.6)      | 0.001877 (0.0010701, 0.0029124) | 1,359.7 (865.5, 2,012.8)     | 0.001811 (0.0011527, 0.0026807) |
| Sumatera Utara | Cerebrovascular disease                                  | 5   | 377.2 (174.9, 725.5)          | 0.000470 (0.0002180, 0.0009043) | 439.2 (216.4, 775.7)         | 0.000585 (0.0002882, 0.0010331) |
| Sumatera Utara | Ischemic heart disease                                   | 5   | 209.6 (73.3, 458.1)           | 0.000261 (0.0000914, 0.0005710) | 233.1 (88.9, 459.0)          | 0.000311 (0.0001184, 0.0006113) |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | 5   | 240.8 (95.7, 517.4)           | 0.000300 (0.0001193, 0.0006449) | 256.0 (114.8, 511.7)         | 0.000341 (0.0001530, 0.0006815) |
| Sumatera Utara | Diabetes mellitus                                        | 5   | 453.3 (174.5, 960.5)          | 0.000565 (0.0002175, 0.0011972) | 559.3 (232.5, 1,132.0)       | 0.000745 (0.0003096, 0.0015076) |
| Sumatera Utara | Chronic kidney disease                                   | 5   | 631.7 (312.2, 1,154.1)        | 0.000787 (0.0003891, 0.0014385) | 587.5 (304.3, 1,001.1)       | 0.000783 (0.0004052, 0.0013333) |
| Sumatera Utara | Cirrhosis                                                | 5   | 1,503.1 (840.4, 2,490.4)      | 0.001873 (0.0010474, 0.0031041) | 750.5 (424.0, 1,211.1)       | 0.001000 (0.0005647, 0.0016130) |
| Sumatera Utara | Chronic respiratory diseases                             | 5   | 851.1 (427.4, 1,592.9)        | 0.001061 (0.0005327, 0.0019855) | 328.5 (166.3, 578.6)         | 0.000438 (0.0002214, 0.0007706) |
| Sumatera Utara | Other non-communicable diseases                          | 5   | 4,886.6 (3,364.2, 6,738.9)    | 0.006091 (0.0041932, 0.0083995) | 5,075.0 (3,797.4, 6,486.5)   | 0.006759 (0.0050575, 0.0086390) |
| Sumatera Utara | Drowning                                                 | 5   | 8,135.1 (5,493.8, 11,380.3)   | 0.010140 (0.0068475, 0.0141846) | 3,253.7 (2,210.2, 4,689.5)   | 0.004333 (0.0029437, 0.0062457) |
| Sumatera Utara | Falls                                                    | 5   | 1,201.1 (626.2, 1,987.2)      | 0.001497 (0.0007805, 0.0024769) | 592.5 (329.2, 966.4)         | 0.000789 (0.0004384, 0.0012871) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Sumatera Utara | Interpersonal violence                        | 5   | 228.7         | (96.5, 452.3)        | 0.000285                 | (0.0001202, 0.0005637) | 184.8         | (82.1, 360.3)       | 0.000246                 | (0.0001093, 0.0004798) |
| Sumatera Utara | Transport injuries                            | 5   | 7,912.8       | (5,255.1, 10,915.0)  | 0.009863                 | (0.0065500, 0.0136047) | 3,130.5       | (2,116.9, 4,263.0)  | 0.004169                 | (0.0028194, 0.0056775) |
| Sumatera Utara | Other unintentional injuries                  | 5   | 2,091.6       | (1,298.6, 3,245.1)   | 0.002607                 | (0.0016187, 0.0040447) | 989.3         | (627.0, 1,488.7)    | 0.001318                 | (0.0008351, 0.0019827) |
| Sumatera Utara | Diarrheal diseases                            | 10  | 3,028.9       | (2,063.4, 4,220.6)   | 0.003928                 | (0.0026760, 0.0054738) | 2,501.4       | (1,718.8, 3,400.1)  | 0.003403                 | (0.0023383, 0.0046255) |
| Sumatera Utara | HIV/AIDS                                      | 10  | 208.2         | (78.6, 432.5)        | 0.000270                 | (0.0001020, 0.0005609) | 125.6         | (49.5, 258.9)       | 0.000171                 | (0.0000673, 0.0003522) |
| Sumatera Utara | Lower respiratory infections                  | 10  | 2,703.5       | (1,898.5, 3,709.3)   | 0.003506                 | (0.0024622, 0.0048106) | 1,599.0       | (1,140.8, 2,157.0)  | 0.002175                 | (0.0015520, 0.0029344) |
| Sumatera Utara | Malaria                                       | 10  | 446.0         | (211.6, 838.2)       | 0.000578                 | (0.0002744, 0.0010871) | 266.9         | (131.7, 489.4)      | 0.000363                 | (0.0001791, 0.0006658) |
| Sumatera Utara | Tuberculosis                                  | 10  | 1,602.8       | (1,052.9, 2,350.3)   | 0.002079                 | (0.0013655, 0.0030481) | 1,019.6       | (703.6, 1,427.0)    | 0.001387                 | (0.0009572, 0.0019413) |
| Sumatera Utara | Maternal disorders                            | 10  |               |                      |                          |                        | 103.5         | (18.4, 256.3)       | 0.000141                 | (0.0000250, 0.0003486) |
| Sumatera Utara | Other communicable diseases                   | 10  | 7,793.3       | (5,998.4, 9,939.8)   | 0.010107                 | (0.0077794, 0.0128910) | 4,491.3       | (3,492.2, 5,631.2)  | 0.006110                 | (0.0047508, 0.0076606) |
| Sumatera Utara | Other malignant neoplasms                     | 10  | 2,094.4       | (1,429.3, 2,962.3)   | 0.002716                 | (0.0018537, 0.0038419) | 1,792.7       | (1,316.9, 2,421.7)  | 0.002439                 | (0.0017915, 0.0032945) |
| Sumatera Utara | Cerebrovascular disease                       | 10  | 591.0         | (346.5, 963.3)       | 0.000766                 | (0.0004494, 0.0012494) | 613.0         | (377.1, 932.2)      | 0.000834                 | (0.0005130, 0.0012681) |
| Sumatera Utara | Ischemic heart disease                        | 10  | 490.7         | (274.4, 824.1)       | 0.000637                 | (0.0003559, 0.0010688) | 487.8         | (295.2, 742.6)      | 0.000664                 | (0.0004016, 0.0010103) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 10  | 344.0         | (178.8, 600.5)       | 0.000446                 | (0.0002318, 0.0007788) | 335.0         | (189.4, 556.9)      | 0.000456                 | (0.0002576, 0.0007577) |
| Sumatera Utara | Diabetes mellitus                             | 10  | 618.5         | (337.1, 1,059.5)     | 0.000802                 | (0.0004373, 0.0013740) | 705.2         | (417.0, 1,164.2)    | 0.000959                 | (0.0005673, 0.0015838) |
| Sumatera Utara | Chronic kidney disease                        | 10  | 850.0         | (529.6, 1,284.7)     | 0.001102                 | (0.0006868, 0.0016661) | 736.0         | (473.4, 1,094.3)    | 0.001001                 | (0.0006440, 0.0014887) |
| Sumatera Utara | Cirrhosis                                     | 10  | 1,653.0       | (1,085.5, 2,384.7)   | 0.002144                 | (0.0014079, 0.0030927) | 743.9         | (493.7, 1,071.6)    | 0.001012                 | (0.0006716, 0.0014578) |
| Sumatera Utara | Chronic respiratory diseases                  | 10  | 1,620.7       | (1,031.3, 2,403.2)   | 0.002102                 | (0.0013376, 0.0031167) | 623.7         | (386.8, 969.3)      | 0.000849                 | (0.0005262, 0.0013186) |
| Sumatera Utara | Other non-communicable diseases               | 10  | 5,467.6       | (4,235.0, 6,996.5)   | 0.007091                 | (0.0054924, 0.0090739) | 5,094.4       | (4,107.6, 6,338.4)  | 0.006930                 | (0.0055881, 0.0086227) |
| Sumatera Utara | Drowning                                      | 10  | 4,088.3       | (2,669.2, 5,802.1)   | 0.005302                 | (0.0034618, 0.0075249) | 1,241.6       | (737.9, 1,949.5)    | 0.001689                 | (0.0010038, 0.0026521) |
| Sumatera Utara | Falls                                         | 10  | 1,023.6       | (549.3, 1,770.2)     | 0.001328                 | (0.0007124, 0.0022958) | 407.9         | (236.5, 703.7)      | 0.000555                 | (0.0003217, 0.0009573) |
| Sumatera Utara | Interpersonal violence                        | 10  | 346.0         | (196.0, 586.1)       | 0.000449                 | (0.0002541, 0.0007602) | 242.0         | (132.4, 411.9)      | 0.000329                 | (0.0001801, 0.0005603) |
| Sumatera Utara | Self-harm                                     | 10  | 729.7         | (317.9, 1,363.3)     | 0.000946                 | (0.0004122, 0.0017681) | 435.3         | (199.6, 776.3)      | 0.000592                 | (0.0002715, 0.0010560) |
| Sumatera Utara | Transport injuries                            | 10  | 11,048.8      | (8,440.0, 14,106.3)  | 0.014329                 | (0.0109459, 0.0182946) | 3,854.5       | (2,817.1, 5,033.3)  | 0.005244                 | (0.0038323, 0.0068474) |
| Sumatera Utara | Other unintentional injuries                  | 10  | 2,008.1       | (1,355.2, 2,888.9)   | 0.002604                 | (0.0017576, 0.0037467) | 797.7         | (540.9, 1,162.9)    | 0.001085                 | (0.0007358, 0.0015820) |
| Sumatera Utara | Diarrheal diseases                            | 15  | 2,089.3       | (1,266.4, 3,121.6)   | 0.003042                 | (0.0018435, 0.0045442) | 1,178.6       | (723.0, 1,703.3)    | 0.001766                 | (0.0010832, 0.0025521) |
| Sumatera Utara | HIV/AIDS                                      | 15  | 252.1         | (92.4, 530.7)        | 0.000367                 | (0.0001344, 0.0007725) | 105.1         | (39.6, 233.6)       | 0.000158                 | (0.0000593, 0.0003500) |
| Sumatera Utara | Lower respiratory infections                  | 15  | 1,699.4       | (1,133.6, 2,458.6)   | 0.002474                 | (0.0016502, 0.0035791) | 641.9         | (433.2, 914.4)      | 0.000962                 | (0.0006491, 0.0013700) |
| Sumatera Utara | Malaria                                       | 15  | 1,353.3       | (790.5, 2,179.0)     | 0.001970                 | (0.0011508, 0.0031720) | 560.9         | (309.7, 943.8)      | 0.000840                 | (0.0004640, 0.0014141) |
| Sumatera Utara | Tuberculosis                                  | 15  | 3,920.7       | (2,844.5, 5,150.6)   | 0.005708                 | (0.0041408, 0.0074979) | 1,559.6       | (1,157.1, 2,053.6)  | 0.002337                 | (0.0017336, 0.0030769) |
| Sumatera Utara | Maternal disorders                            | 15  |               |                      |                          |                        | 1,173.4       | (729.6, 1,743.7)    | 0.001758                 | (0.0010932, 0.0026126) |
| Sumatera Utara | Other communicable diseases                   | 15  | 6,427.1       | (4,857.3, 8,408.1)   | 0.009356                 | (0.0070710, 0.0122399) | 2,483.7       | (1,839.2, 3,240.7)  | 0.003721                 | (0.0027556, 0.0048554) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 15  | 409.3         | (156.0, 912.3)       | 0.000596                 | (0.0002270, 0.0013281) | 109.0         | (41.7, 222.2)       | 0.000163                 | (0.0000625, 0.0003329) |
| Sumatera Utara | Breast cancer                                 | 15  | 16.4          | (1.9, 58.4)          | 0.000024                 | (0.0000028, 0.0000851) | 274.2         | (90.0, 615.8)       | 0.000411                 | (0.0001349, 0.0009226) |
| Sumatera Utara | Cervical cancer                               | 15  |               |                      |                          |                        | 355.7         | (126.4, 745.6)      | 0.000533                 | (0.0001894, 0.0011171) |
| Sumatera Utara | Other malignant neoplasms                     | 15  | 2,869.8       | (2,032.2, 3,948.9)   | 0.004178                 | (0.0029583, 0.0057485) | 1,984.5       | (1,417.4, 2,650.4)  | 0.002973                 | (0.0021236, 0.0039710) |
| Sumatera Utara | Cerebrovascular disease                       | 15  | 1,268.7       | (800.2, 1,909.4)     | 0.001847                 | (0.0011648, 0.0027796) | 936.2         | (583.0, 1,397.1)    | 0.001403                 | (0.0008735, 0.0020933) |
| Sumatera Utara | Ischemic heart disease                        | 15  | 1,832.2       | (1,202.4, 2,675.1)   | 0.002667                 | (0.0017504, 0.0038942) | 1,112.1       | (762.9, 1,542.6)    | 0.001666                 | (0.0011430, 0.0023112) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 15  | 629.5         | (360.3, 1,039.2)     | 0.000916                 | (0.0005245, 0.0015129) | 485.1         | (269.9, 808.2)      | 0.000727                 | (0.0004044, 0.0012109) |
| Sumatera Utara | Diabetes mellitus                             | 15  | 1,145.9       | (637.0, 1,901.4)     | 0.001668                 | (0.0009273, 0.0027680) | 1,040.7       | (610.6, 1,695.5)    | 0.001559                 | (0.0009148, 0.0025403) |
| Sumatera Utara | Chronic kidney disease                        | 15  | 1,467.2       | (957.0, 2,132.6)     | 0.002136                 | (0.0013932, 0.0031045) | 1,014.9       | (674.8, 1,495.2)    | 0.001521                 | (0.0010111, 0.0022402) |
| Sumatera Utara | Cirrhosis                                     | 15  | 2,299.4       | (1,503.0, 3,452.4)   | 0.003347                 | (0.0021880, 0.0050258) | 823.6         | (552.1, 1,208.5)    | 0.001234                 | (0.0008273, 0.0018107) |
| Sumatera Utara | Chronic respiratory diseases                  | 15  | 1,787.0       | (1,158.7, 2,577.6)   | 0.002602                 | (0.0016867, 0.0037523) | 652.3         | (410.5, 942.2)      | 0.000977                 | (0.0006151, 0.0014117) |
| Sumatera Utara | Other non-communicable diseases               | 15  | 7,625.1       | (5,991.1, 9,625.7)   | 0.011100                 | (0.0087213, 0.0140124) | 5,277.9       | (4,223.9, 6,493.1)  | 0.007908                 | (0.0063286, 0.0097286) |
| Sumatera Utara | Drowning                                      | 15  | 2,162.8       | (1,296.6, 3,197.1)   | 0.003148                 | (0.0018874, 0.0046541) | 479.0         | (279.5, 755.5)      | 0.000718                 | (0.0004187, 0.0011320) |
| Sumatera Utara | Falls                                         | 15  | 957.3         | (587.8, 1,498.9)     | 0.001394                 | (0.0008556, 0.0021820) | 291.7         | (174.3, 476.2)      | 0.000437                 | (0.0002611, 0.0007134) |
| Sumatera Utara | Interpersonal violence                        | 15  | 889.8         | (550.0, 1,325.5)     | 0.001295                 | (0.0008007, 0.0019296) | 486.3         | (269.2, 782.9)      | 0.000729                 | (0.0004033, 0.0011731) |
| Sumatera Utara | Self-harm                                     | 15  | 1,591.6       | (951.3, 2,416.8)     | 0.002317                 | (0.0013848, 0.0035181) | 741.1         | (445.4, 1,143.5)    | 0.001110                 | (0.0006674, 0.0017132) |
| Sumatera Utara | Transport injuries                            | 15  | 29,625.1      | (24,070.2, 35,133.8) | 0.043126                 | (0.0350396, 0.0511452) | 9,283.7       | (7,772.1, 11,063.9) | 0.013910                 | (0.0116448, 0.0165769) |
| Sumatera Utara | Other unintentional injuries                  | 15  | 3,163.8       | (2,308.0, 4,222.2)   | 0.004606                 | (0.0033598, 0.0061463) | 965.2         | (655.0, 1,342.7)    | 0.001446                 | (0.0009814, 0.0020118) |
| Sumatera Utara | Diarrheal diseases                            | 20  | 2,092.3       | (1,272.3, 3,104.1)   | 0.003534                 | (0.0021493, 0.0052436) | 766.5         | (490.2, 1,114.7)    | 0.001289                 | (0.0008244, 0.0018747) |
| Sumatera Utara | HIV/AIDS                                      | 20  | 908.5         | (406.1, 1,607.7)     | 0.001535                 | (0.0006860, 0.0027159) | 239.5         | (104.2, 430.1)      | 0.000403                 | (0.0001753, 0.0007233) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                    |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Utara | Lower respiratory infections                  | 20  | 1,726.0       | (1,143.9, 2,501.6)   | 0.002916                 | (0.0019324, 0.0042258) | 373.6         | (246.9, 539.1)     | 0.000628                 | (0.0004152, 0.0009067) |
| Sumatera Utara | Malaria                                       | 20  | 1,719.4       | (992.5, 2,761.1)     | 0.002904                 | (0.0016765, 0.0046642) | 471.1         | (249.5, 768.7)     | 0.000792                 | (0.0004197, 0.0012929) |
| Sumatera Utara | Tuberculosis                                  | 20  | 8,340.7       | (6,257.8, 10,794.0)  | 0.014089                 | (0.0105709, 0.0182336) | 1,870.3       | (1,403.8, 2,398.8) | 0.003146                 | (0.0023610, 0.0040345) |
| Sumatera Utara | Maternal disorders                            | 20  |               |                      |                          |                        | 3,556.1       | (2,637.0, 4,682.6) | 0.005981                 | (0.0044351, 0.0078754) |
| Sumatera Utara | Other communicable diseases                   | 20  | 8,335.0       | (6,167.4, 10,887.1)  | 0.014080                 | (0.0104182, 0.0183909) | 2,077.1       | (1,547.6, 2,695.6) | 0.003493                 | (0.0026028, 0.0045337) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 20  | 339.9         | (142.0, 736.6)       | 0.000574                 | (0.0002399, 0.0012444) | 154.6         | (69.8, 289.6)      | 0.000260                 | (0.0001174, 0.0004871) |
| Sumatera Utara | Breast cancer                                 | 20  | 23.3          | (5.2, 66.9)          | 0.000039                 | (0.0000087, 0.0001131) | 687.4         | (372.6, 1,129.8)   | 0.001156                 | (0.0006266, 0.0019002) |
| Sumatera Utara | Cervical cancer                               | 20  |               |                      |                          |                        | 688.6         | (342.0, 1,185.3)   | 0.001158                 | (0.0005751, 0.0019936) |
| Sumatera Utara | Other malignant neoplasms                     | 20  | 2,652.5       | (1,872.0, 3,648.2)   | 0.004481                 | (0.0031622, 0.0061627) | 1,845.7       | (1,287.9, 2,497.5) | 0.003104                 | (0.0021661, 0.0042005) |
| Sumatera Utara | Cerebrovascular disease                       | 20  | 2,298.7       | (1,615.7, 3,149.3)   | 0.003883                 | (0.0027292, 0.0053199) | 1,340.5       | (964.5, 1,803.9)   | 0.002255                 | (0.0016221, 0.0030339) |
| Sumatera Utara | Ischemic heart disease                        | 20  | 3,152.7       | (2,206.9, 4,298.3)   | 0.005326                 | (0.0037279, 0.0072609) | 1,233.1       | (879.8, 1,643.4)   | 0.002074                 | (0.0014796, 0.0027639) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 20  | 927.6         | (565.5, 1,392.8)     | 0.001567                 | (0.0009553, 0.0023528) | 640.2         | (435.3, 900.5)     | 0.001077                 | (0.0007320, 0.0015145) |
| Sumatera Utara | Diabetes mellitus                             | 20  | 1,056.7       | (640.5, 1,587.4)     | 0.001785                 | (0.0010820, 0.0026815) | 860.9         | (534.8, 1,280.0)   | 0.001448                 | (0.0008995, 0.0021528) |
| Sumatera Utara | Chronic kidney disease                        | 20  | 2,172.4       | (1,495.9, 3,017.5)   | 0.003670                 | (0.0025270, 0.0050973) | 1,347.0       | (973.9, 1,829.9)   | 0.002266                 | (0.0016380, 0.0030776) |
| Sumatera Utara | Cirrhosis                                     | 20  | 3,495.4       | (2,389.6, 4,820.1)   | 0.005905                 | (0.0040366, 0.0081422) | 1,116.2       | (786.8, 1,513.6)   | 0.001877                 | (0.0013232, 0.0025457) |
| Sumatera Utara | Chronic respiratory diseases                  | 20  | 3,702.4       | (2,583.9, 5,041.5)   | 0.006254                 | (0.0043649, 0.0085162) | 1,494.3       | (1,073.9, 1,987.5) | 0.002513                 | (0.0018062, 0.0033427) |
| Sumatera Utara | Other non-communicable diseases               | 20  | 7,035.6       | (5,256.9, 8,954.0)   | 0.011885                 | (0.0088802, 0.0151254) | 4,123.7       | (3,317.0, 5,046.2) | 0.006936                 | (0.0055787, 0.0084870) |
| Sumatera Utara | Drowning                                      | 20  | 1,556.9       | (861.2, 2,450.9)     | 0.002630                 | (0.0014547, 0.0041402) | 256.2         | (129.7, 428.7)     | 0.000431                 | (0.0002182, 0.0007210) |
| Sumatera Utara | Falls                                         | 20  | 928.5         | (552.0, 1,464.7)     | 0.001569                 | (0.0009324, 0.0024742) | 213.7         | (122.6, 335.9)     | 0.000359                 | (0.0002062, 0.0005650) |
| Sumatera Utara | Interpersonal violence                        | 20  | 1,024.7       | (650.4, 1,522.5)     | 0.001731                 | (0.0010987, 0.0025718) | 437.1         | (244.3, 706.8)     | 0.000735                 | (0.0004109, 0.0011887) |
| Sumatera Utara | Self-harm                                     | 20  | 1,561.4       | (910.8, 2,337.4)     | 0.002638                 | (0.0015385, 0.0039484) | 573.7         | (355.7, 916.5)     | 0.000965                 | (0.0005982, 0.0015414) |
| Sumatera Utara | Transport injuries                            | 20  | 24,797.8      | (19,022.9, 30,395.8) | 0.041889                 | (0.0321342, 0.0513459) | 5,463.2       | (4,401.7, 6,687.3) | 0.009188                 | (0.0074030, 0.0112471) |
| Sumatera Utara | Other unintentional injuries                  | 20  | 3,424.5       | (2,420.6, 4,576.1)   | 0.005785                 | (0.0040890, 0.0077301) | 804.6         | (547.4, 1,143.1)   | 0.001353                 | (0.0009206, 0.0019226) |
| Sumatera Utara | Diarrheal diseases                            | 25  | 2,830.8       | (1,897.1, 4,015.3)   | 0.004780                 | (0.0032036, 0.0067804) | 941.8         | (632.3, 1,337.5)   | 0.001586                 | (0.0010648, 0.0022522) |
| Sumatera Utara | HIV/AIDS                                      | 25  | 1,642.6       | (843.0, 2,711.0)     | 0.002774                 | (0.0014236, 0.0045779) | 395.6         | (198.6, 659.3)     | 0.000666                 | (0.0003345, 0.0011102) |
| Sumatera Utara | Lower respiratory infections                  | 25  | 1,775.0       | (1,199.0, 2,540.4)   | 0.002997                 | (0.0020247, 0.0042899) | 338.4         | (219.7, 486.4)     | 0.000570                 | (0.0003700, 0.0008190) |
| Sumatera Utara | Malaria                                       | 25  | 1,807.3       | (1,058.8, 2,867.7)   | 0.003052                 | (0.0017879, 0.0048426) | 432.9         | (247.3, 698.4)     | 0.000729                 | (0.0004165, 0.0011761) |
| Sumatera Utara | Tuberculosis                                  | 25  | 11,857.6      | (9,011.3, 14,834.3)  | 0.020024                 | (0.0152171, 0.0250503) | 2,214.5       | (1,677.6, 2,845.3) | 0.003729                 | (0.0028250, 0.0047913) |
| Sumatera Utara | Maternal disorders                            | 25  |               |                      |                          |                        | 4,176.6       | (3,077.9, 5,474.8) | 0.007033                 | (0.0051828, 0.0092190) |
| Sumatera Utara | Other communicable diseases                   | 25  | 8,330.1       | (6,275.6, 10,935.9)  | 0.014067                 | (0.0105975, 0.0184671) | 1,903.9       | (1,378.7, 2,510.6) | 0.003206                 | (0.0023216, 0.0042277) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 25  | 424.0         | (181.2, 881.1)       | 0.000716                 | (0.0003060, 0.0014879) | 190.0         | (98.1, 339.0)      | 0.000320                 | (0.0001652, 0.0005708) |
| Sumatera Utara | Breast cancer                                 | 25  | 21.9          | (6.3, 58.3)          | 0.000037                 | (0.0000106, 0.0000984) | 1,246.2       | (729.1, 1,881.4)   | 0.002099                 | (0.0012278, 0.0031681) |
| Sumatera Utara | Cervical cancer                               | 25  |               |                      |                          |                        | 1,051.3       | (569.2, 1,674.0)   | 0.001770                 | (0.0009584, 0.0028189) |
| Sumatera Utara | Other malignant neoplasms                     | 25  | 3,100.3       | (2,306.5, 4,074.3)   | 0.005235                 | (0.0038949, 0.0068802) | 1,780.0       | (1,218.6, 2,443.7) | 0.002997                 | (0.0020520, 0.0041150) |
| Sumatera Utara | Cerebrovascular disease                       | 25  | 4,020.2       | (3,026.5, 5,241.0)   | 0.006789                 | (0.0051108, 0.0088503) | 2,040.9       | (1,552.4, 2,644.5) | 0.003437                 | (0.0026142, 0.0044532) |
| Sumatera Utara | Ischemic heart disease                        | 25  | 6,274.7       | (4,765.0, 7,928.0)   | 0.010596                 | (0.0080464, 0.0133877) | 1,893.8       | (1,444.7, 2,394.1) | 0.003189                 | (0.0024328, 0.0040314) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 25  | 1,170.7       | (798.6, 1,630.9)     | 0.001977                 | (0.0013486, 0.0027540) | 748.3         | (536.8, 1,012.5)   | 0.001260                 | (0.0009039, 0.0017050) |
| Sumatera Utara | Diabetes mellitus                             | 25  | 1,742.1       | (1,217.0, 2,394.4)   | 0.002942                 | (0.0020551, 0.0040433) | 1,247.2       | (887.4, 1,681.6)   | 0.002100                 | (0.0014943, 0.0028317) |
| Sumatera Utara | Chronic kidney disease                        | 25  | 2,434.4       | (1,784.3, 3,206.2)   | 0.004111                 | (0.0030132, 0.0054143) | 1,321.1       | (978.0, 1,761.6)   | 0.002225                 | (0.0016469, 0.0029664) |
| Sumatera Utara | Cirrhosis                                     | 25  | 4,650.2       | (3,449.4, 6,039.5)   | 0.007853                 | (0.0058249, 0.0101987) | 1,339.2       | (1,002.9, 1,761.4) | 0.002255                 | (0.0016888, 0.0029660) |
| Sumatera Utara | Chronic respiratory diseases                  | 25  | 4,213.4       | (3,105.0, 5,514.3)   | 0.007115                 | (0.0052432, 0.0093119) | 1,685.3       | (1,263.0, 2,239.8) | 0.002838                 | (0.0021267, 0.0037717) |
| Sumatera Utara | Other non-communicable diseases               | 25  | 7,917.1       | (6,147.4, 10,022.2)  | 0.013369                 | (0.0103809, 0.0169241) | 4,172.7       | (3,308.0, 5,185.7) | 0.007027                 | (0.0055704, 0.0087323) |
| Sumatera Utara | Drowning                                      | 25  | 939.3         | (478.6, 1,683.4)     | 0.001586                 | (0.0008083, 0.0028426) | 140.2         | (72.1, 251.3)      | 0.000236                 | (0.0001214, 0.0004232) |
| Sumatera Utara | Falls                                         | 25  | 1,233.6       | (748.8, 1,898.9)     | 0.002083                 | (0.0012644, 0.0032066) | 255.1         | (150.3, 395.7)     | 0.000430                 | (0.0002531, 0.0006663) |
| Sumatera Utara | Interpersonal violence                        | 25  | 1,026.9       | (672.6, 1,508.4)     | 0.001734                 | (0.0011358, 0.0025472) | 369.5         | (209.9, 570.5)     | 0.000622                 | (0.0003535, 0.0009606) |
| Sumatera Utara | Self-harm                                     | 25  | 1,463.9       | (872.3, 2,170.8)     | 0.002472                 | (0.0014731, 0.0036658) | 448.4         | (271.1, 699.2)     | 0.000755                 | (0.0004566, 0.0011773) |
| Sumatera Utara | Transport injuries                            | 25  | 17,088.3      | (13,290.9, 21,111.8) | 0.028856                 | (0.0224439, 0.0356508) | 2,964.9       | (2,251.7, 3,782.0) | 0.004993                 | (0.0037916, 0.0063685) |
| Sumatera Utara | Other unintentional injuries                  | 25  | 3,943.4       | (2,878.8, 5,338.6)   | 0.006659                 | (0.0048613, 0.0090151) | 803.5         | (534.7, 1,154.5)   | 0.001353                 | (0.0009004, 0.0019442) |
| Sumatera Utara | Diarrheal diseases                            | 30  | 2,621.3       | (1,803.9, 3,684.9)   | 0.004940                 | (0.0033997, 0.0069447) | 1,037.1       | (706.9, 1,463.0)   | 0.001969                 | (0.0013423, 0.0027777) |
| Sumatera Utara | HIV/AIDS                                      | 30  | 1,449.3       | (787.8, 2,387.3)     | 0.002731                 | (0.0014846, 0.0044992) | 419.1         | (216.4, 692.2)     | 0.000796                 | (0.0004109, 0.0013142) |
| Sumatera Utara | Lower respiratory infections                  | 30  | 1,418.5       | (968.1, 2,032.0)     | 0.002673                 | (0.0018245, 0.0038296) | 332.5         | (224.4, 475.7)     | 0.000631                 | (0.0004260, 0.0009032) |
| Sumatera Utara | Malaria                                       | 30  | 1,309.9       | (775.2, 2,090.8)     | 0.002469                 | (0.0014610, 0.0039403) | 345.5         | (194.1, 561.9)     | 0.000656                 | (0.0003685, 0.0010668) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                         |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Utara | Tuberculosis                                  | 30  | 10,504.4 (8,118.8, 13,086.9)  | 0.019797 (0.0153009, 0.0246638) | 2,205.6 (1,684.4, 2,885.8) | 0.004188 (0.0031982, 0.0054793) |
| Sumatera Utara | Maternal disorders                            | 30  |                               |                                 | 2,816.3 (2,034.8, 3,740.5) | 0.005347 (0.0038636, 0.0071022) |
| Sumatera Utara | Other communicable diseases                   | 30  | 4,812.2 (3,478.8, 6,523.4)    | 0.009069 (0.0065562, 0.0122940) | 1,334.6 (928.6, 1,857.4)   | 0.002534 (0.0017632, 0.0035267) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 30  | 665.0 (323.1, 1,188.8)        | 0.001253 (0.0006089, 0.0022404) | 190.3 (102.1, 331.5)       | 0.000361 (0.0001939, 0.0006293) |
| Sumatera Utara | Breast cancer                                 | 30  | 25.0 (6.4, 70.4)              | 0.000047 (0.0000120, 0.0001327) | 1,727.1 (1,135.2, 2,431.7) | 0.003279 (0.0021554, 0.0046170) |
| Sumatera Utara | Cervical cancer                               | 30  |                               |                                 | 1,337.7 (809.9, 1,984.9)   | 0.002540 (0.0015378, 0.0037687) |
| Sumatera Utara | Other malignant neoplasms                     | 30  | 3,437.7 (2,563.9, 4,393.0)    | 0.006479 (0.0048319, 0.0082791) | 1,597.9 (1,101.9, 2,190.5) | 0.003034 (0.0020922, 0.0041591) |
| Sumatera Utara | Cerebrovascular disease                       | 30  | 5,698.2 (4,395.4, 7,272.8)    | 0.010739 (0.0082837, 0.0137063) | 2,925.5 (2,263.9, 3,739.7) | 0.005555 (0.0042986, 0.0071006) |
| Sumatera Utara | Ischemic heart disease                        | 30  | 8,507.5 (6,576.3, 10,776.1)   | 0.016033 (0.0123938, 0.0203088) | 2,458.1 (1,893.0, 3,123.8) | 0.004667 (0.0035943, 0.0059313) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 30  | 1,270.4 (900.7, 1,752.4)      | 0.002394 (0.0016975, 0.0033027) | 821.9 (581.7, 1,120.2)     | 0.001561 (0.0011044, 0.0021270) |
| Sumatera Utara | Diabetes mellitus                             | 30  | 2,585.4 (1,904.3, 3,441.7)    | 0.004872 (0.0035888, 0.0064863) | 1,793.9 (1,323.9, 2,348.9) | 0.003406 (0.0025137, 0.0044600) |
| Sumatera Utara | Chronic kidney disease                        | 30  | 2,415.3 (1,769.6, 3,186.9)    | 0.004552 (0.0033349, 0.0060060) | 1,257.2 (919.2, 1,691.3)   | 0.002387 (0.0017452, 0.0032112) |
| Sumatera Utara | Cirrhosis                                     | 30  | 5,394.0 (3,959.3, 7,032.1)    | 0.010166 (0.0074618, 0.0132528) | 1,581.9 (1,168.8, 2,114.2) | 0.003004 (0.0022192, 0.0040142) |
| Sumatera Utara | Chronic respiratory diseases                  | 30  | 3,798.4 (2,738.7, 5,071.9)    | 0.007159 (0.0051615, 0.0093586) | 1,550.0 (1,151.4, 2,082.1) | 0.002943 (0.0021862, 0.0039534) |
| Sumatera Utara | Other non-communicable diseases               | 30  | 7,345.7 (5,637.4, 9,328.2)    | 0.013844 (0.0106244, 0.0175801) | 3,930.1 (3,085.9, 4,968.2) | 0.007462 (0.0058593, 0.0094332) |
| Sumatera Utara | Drowning                                      | 30  | 885.9 (490.2, 1,441.1)        | 0.001670 (0.0009239, 0.0027159) | 158.0 (83.0, 262.5)        | 0.000300 (0.0001576, 0.0004984) |
| Sumatera Utara | Falls                                         | 30  | 1,269.7 (786.1, 1,924.1)      | 0.002393 (0.0014816, 0.0036261) | 298.3 (182.0, 458.2)       | 0.000566 (0.0003456, 0.0008700) |
| Sumatera Utara | Interpersonal violence                        | 30  | 732.5 (449.5, 1,060.8)        | 0.001381 (0.0008472, 0.0019992) | 261.9 (150.6, 412.3)       | 0.000497 (0.0002860, 0.0007829) |
| Sumatera Utara | Self-harm                                     | 30  | 1,035.4 (611.9, 1,519.4)      | 0.001951 (0.0011532, 0.0028634) | 308.9 (187.7, 475.1)       | 0.000586 (0.0003563, 0.0009021) |
| Sumatera Utara | Transport injuries                            | 30  | 13,109.5 (10,023.2, 16,593.2) | 0.024706 (0.0188899, 0.0312718) | 2,422.0 (1,845.6, 3,171.9) | 0.004599 (0.0035043, 0.0060225) |
| Sumatera Utara | Other unintentional injuries                  | 30  | 3,223.8 (2,317.1, 4,339.5)    | 0.006076 (0.0043668, 0.0081783) | 691.6 (475.6, 999.3)       | 0.001313 (0.0009031, 0.0018973) |
| Sumatera Utara | Diarrheal diseases                            | 35  | 2,109.8 (1,448.7, 2,994.1)    | 0.004392 (0.0030154, 0.0062322) | 1,234.0 (834.9, 1,776.3)   | 0.002549 (0.0017242, 0.0036684) |
| Sumatera Utara | HIV/AIDS                                      | 35  | 1,142.4 (612.0, 1,894.7)      | 0.002378 (0.0012738, 0.0039440) | 476.0 (243.1, 849.8)       | 0.000983 (0.0005020, 0.0017550) |
| Sumatera Utara | Lower respiratory infections                  | 35  | 1,345.6 (913.2, 1,936.0)      | 0.002801 (0.0019009, 0.0040298) | 462.4 (308.5, 664.6)       | 0.000955 (0.0006370, 0.0013726) |
| Sumatera Utara | Malaria                                       | 35  | 1,077.8 (640.0, 1,719.8)      | 0.002244 (0.0013321, 0.0035798) | 408.2 (239.2, 652.6)       | 0.000843 (0.0004940, 0.0013477) |
| Sumatera Utara | Tuberculosis                                  | 35  | 10,228.3 (7,879.7, 12,906.1)  | 0.021291 (0.0164017, 0.0268645) | 3,061.6 (2,315.7, 4,025.5) | 0.006323 (0.0047825, 0.0083134) |
| Sumatera Utara | Maternal disorders                            | 35  |                               |                                 | 1,560.0 (1,025.3, 2,267.2) | 0.003222 (0.0021175, 0.0046821) |
| Sumatera Utara | Other communicable diseases                   | 35  | 3,894.9 (2,792.7, 5,174.0)    | 0.008107 (0.0058131, 0.0107698) | 1,604.6 (1,169.9, 2,178.4) | 0.003314 (0.0024161, 0.0044989) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 35  | 566.3 (281.2, 995.6)          | 0.001179 (0.0005854, 0.0020725) | 252.5 (144.3, 420.6)       | 0.000521 (0.0002980, 0.0008686) |
| Sumatera Utara | Breast cancer                                 | 35  | 41.7 (11.1, 113.9)            | 0.000087 (0.0000232, 0.0002370) | 2,557.2 (1,818.4, 3,458.7) | 0.005281 (0.0037553, 0.0071430) |
| Sumatera Utara | Cervical cancer                               | 35  |                               |                                 | 1,884.6 (1,240.5, 2,711.5) | 0.003892 (0.0025620, 0.0055998) |
| Sumatera Utara | Other malignant neoplasms                     | 35  | 4,407.1 (3,316.3, 5,655.1)    | 0.009174 (0.0069030, 0.0117712) | 1,733.8 (1,215.6, 2,410.1) | 0.003581 (0.0025104, 0.0049774) |
| Sumatera Utara | Cerebrovascular disease                       | 35  | 8,507.8 (6,761.6, 10,744.5)   | 0.017709 (0.0140744, 0.0223650) | 4,866.6 (3,772.4, 6,232.3) | 0.010051 (0.0077907, 0.0128710) |
| Sumatera Utara | Ischemic heart disease                        | 35  | 11,524.3 (9,016.8, 14,415.8)  | 0.023988 (0.0187688, 0.0300070) | 3,791.9 (2,926.1, 4,901.7) | 0.007831 (0.0060430, 0.0101230) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 35  | 1,549.6 (1,148.6, 2,109.2)    | 0.003226 (0.0023908, 0.0043904) | 1,099.9 (796.2, 1,478.2)   | 0.002271 (0.0016444, 0.0030527) |
| Sumatera Utara | Diabetes mellitus                             | 35  | 4,533.2 (3,376.1, 5,918.3)    | 0.009436 (0.0070275, 0.0123191) | 3,365.8 (2,516.9, 4,376.9) | 0.006951 (0.0051979, 0.0090391) |
| Sumatera Utara | Chronic kidney disease                        | 35  | 2,718.5 (2,007.3, 3,614.2)    | 0.005659 (0.0041783, 0.0075231) | 1,519.7 (1,113.6, 2,044.3) | 0.003139 (0.0022999, 0.0042218) |
| Sumatera Utara | Cirrhosis                                     | 35  | 6,295.6 (4,702.8, 8,122.5)    | 0.013105 (0.0097891, 0.0169072) | 2,026.2 (1,512.3, 2,717.2) | 0.004185 (0.0031232, 0.0056116) |
| Sumatera Utara | Chronic respiratory diseases                  | 35  | 4,275.2 (3,176.6, 5,565.4)    | 0.008899 (0.0066121, 0.0115845) | 1,821.0 (1,345.9, 2,423.1) | 0.003761 (0.0027795, 0.0050043) |
| Sumatera Utara | Other non-communicable diseases               | 35  | 7,207.5 (5,596.1, 9,157.6)    | 0.015003 (0.0116484, 0.0190619) | 4,278.1 (3,350.5, 5,495.0) | 0.008835 (0.0069194, 0.0113484) |
| Sumatera Utara | Drowning                                      | 35  | 1,019.0 (586.4, 1,647.6)      | 0.002121 (0.0012206, 0.0034295) | 217.6 (116.9, 374.3)       | 0.000450 (0.0002413, 0.0007730) |
| Sumatera Utara | Falls                                         | 35  | 1,195.8 (748.7, 1,766.2)      | 0.002489 (0.0015584, 0.0036764) | 331.2 (193.4, 521.5)       | 0.000684 (0.0003995, 0.0010771) |
| Sumatera Utara | Interpersonal violence                        | 35  | 615.1 (377.9, 912.5)          | 0.001280 (0.0007866, 0.0018994) | 247.2 (137.3, 399.2)       | 0.000510 (0.0002836, 0.0008244) |
| Sumatera Utara | Self-harm                                     | 35  | 940.6 (569.7, 1,431.7)        | 0.001958 (0.0011858, 0.0029802) | 313.0 (184.3, 477.7)       | 0.000646 (0.0003806, 0.0009866) |
| Sumatera Utara | Transport injuries                            | 35  | 10,190.1 (7,737.9, 12,956.5)  | 0.021211 (0.0161066, 0.0269694) | 2,112.6 (1,551.7, 2,825.2) | 0.004363 (0.0032046, 0.0058347) |
| Sumatera Utara | Other unintentional injuries                  | 35  | 2,904.5 (2,102.2, 3,878.7)    | 0.006046 (0.0043758, 0.0080736) | 712.5 (489.4, 1,018.2)     | 0.001471 (0.0010108, 0.0021027) |
| Sumatera Utara | Diarrheal diseases                            | 40  | 2,185.2 (1,492.4, 3,011.5)    | 0.005094 (0.0034791, 0.0070204) | 1,488.3 (1,060.7, 2,053.2) | 0.003393 (0.0024184, 0.0046815) |
| Sumatera Utara | HIV/AIDS                                      | 40  | 552.3 (280.3, 1,012.8)        | 0.001288 (0.0006534, 0.0023610) | 270.5 (131.9, 500.6)       | 0.000617 (0.0003008, 0.0011415) |
| Sumatera Utara | Lower respiratory infections                  | 40  | 1,203.3 (857.2, 1,719.1)      | 0.002805 (0.0019984, 0.0040076) | 524.0 (363.3, 742.7)       | 0.001195 (0.0008284, 0.0016934) |
| Sumatera Utara | Malaria                                       | 40  | 1,040.1 (625.2, 1,686.3)      | 0.002425 (0.0014575, 0.0039311) | 434.7 (252.7, 684.7)       | 0.000991 (0.0005761, 0.0015611) |
| Sumatera Utara | Tuberculosis                                  | 40  | 8,590.5 (6,662.6, 10,829.0)   | 0.020026 (0.0155320, 0.0252448) | 3,105.6 (2,382.3, 4,005.1) | 0.007081 (0.0054319, 0.0091320) |
| Sumatera Utara | Maternal disorders                            | 40  |                               |                                 | 424.1 (235.1, 690.3)       | 0.000967 (0.0005360, 0.0015740) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Sumatera Utara | Other communicable diseases                   | 40  | 3,593.8       | (2,619.3, 4,847.0)   | 0.008378                 | (0.0061061, 0.0112994) | 1,755.1       | (1,282.3, 2,376.2)  | 0.004002                 | (0.0029237, 0.0054180) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 40  | 1,049.6       | (619.9, 1,673.2)     | 0.002447                 | (0.0014452, 0.0039005) | 300.0         | (177.2, 494.0)      | 0.000684                 | (0.0004041, 0.0011263) |
| Sumatera Utara | Breast cancer                                 | 40  | 85.9          | (29.8, 207.1)        | 0.000200                 | (0.0000696, 0.0004828) | 3,201.0       | (2,314.2, 4,379.9)  | 0.007299                 | (0.0052765, 0.0099866) |
| Sumatera Utara | Cervical cancer                               | 40  |               |                      |                          |                        | 2,143.3       | (1,456.9, 3,038.4)  | 0.004887                 | (0.0033219, 0.0069279) |
| Sumatera Utara | Other malignant neoplasms                     | 40  | 6,269.1       | (4,846.2, 7,981.5)   | 0.014615                 | (0.0112974, 0.0186065) | 1,782.9       | (1,247.8, 2,440.5)  | 0.004065                 | (0.0028450, 0.0055645) |
| Sumatera Utara | Cerebrovascular disease                       | 40  | 12,977.0      | (10,437.7, 16,231.0) | 0.030252                 | (0.0243325, 0.0378380) | 7,547.0       | (5,911.5, 9,499.5)  | 0.017208                 | (0.0134788, 0.0216596) |
| Sumatera Utara | Ischemic heart disease                        | 40  | 15,748.0      | (12,495.7, 19,540.3) | 0.036712                 | (0.0291302, 0.0455525) | 5,718.5       | (4,482.6, 7,291.3)  | 0.013039                 | (0.0102206, 0.0166248) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 40  | 2,189.9       | (1,649.0, 2,889.5)   | 0.005105                 | (0.0038443, 0.0067360) | 1,472.6       | (1,078.8, 1,956.5)  | 0.003358                 | (0.0024597, 0.0044610) |
| Sumatera Utara | Diabetes mellitus                             | 40  | 9,062.5       | (7,039.7, 11,502.3)  | 0.021127                 | (0.0164111, 0.0268143) | 6,417.8       | (4,964.9, 8,138.9)  | 0.014633                 | (0.0113205, 0.0185573) |
| Sumatera Utara | Chronic kidney disease                        | 40  | 3,376.2       | (2,559.8, 4,443.5)   | 0.007871                 | (0.0059675, 0.0103587) | 1,804.9       | (1,324.7, 2,414.5)  | 0.004115                 | (0.0030204, 0.0055052) |
| Sumatera Utara | Cirrhosis                                     | 40  | 7,505.8       | (5,744.7, 9,685.0)   | 0.017498                 | (0.0133920, 0.0225777) | 2,406.5       | (1,814.5, 3,165.9)  | 0.005487                 | (0.0041372, 0.0072185) |
| Sumatera Utara | Chronic respiratory diseases                  | 40  | 5,231.5       | (3,979.5, 6,825.7)   | 0.012196                 | (0.0092770, 0.0159121) | 2,008.5       | (1,511.6, 2,639.6)  | 0.004580                 | (0.0034465, 0.0060185) |
| Sumatera Utara | Other non-communicable diseases               | 40  | 7,679.3       | (6,007.1, 9,576.3)   | 0.017902                 | (0.0140039, 0.0223243) | 4,499.7       | (3,540.2, 5,744.4)  | 0.010260                 | (0.0080720, 0.0130977) |
| Sumatera Utara | Drowning                                      | 40  | 499.3         | (268.3, 856.4)       | 0.001164                 | (0.0006254, 0.0019965) | 119.6         | (60.8, 213.2)       | 0.000273                 | (0.0001387, 0.0004862) |
| Sumatera Utara | Falls                                         | 40  | 975.8         | (633.5, 1,425.1)     | 0.002275                 | (0.0014769, 0.0033222) | 294.8         | (179.7, 443.9)      | 0.000672                 | (0.0004096, 0.0010122) |
| Sumatera Utara | Interpersonal violence                        | 40  | 455.8         | (254.4, 690.5)       | 0.001063                 | (0.0005931, 0.0016097) | 181.0         | (97.8, 294.2)       | 0.000413                 | (0.0002229, 0.0006708) |
| Sumatera Utara | Self-harm                                     | 40  | 793.1         | (483.8, 1,250.0)     | 0.001849                 | (0.0011279, 0.0029141) | 257.2         | (150.3, 401.9)      | 0.000586                 | (0.0003428, 0.0009163) |
| Sumatera Utara | Transport injuries                            | 40  | 7,762.5       | (5,815.1, 10,120.9)  | 0.018096                 | (0.0135563, 0.0235939) | 1,678.2       | (1,224.0, 2,224.5)  | 0.003826                 | (0.0027908, 0.0050719) |
| Sumatera Utara | Other unintentional injuries                  | 40  | 2,194.8       | (1,573.8, 3,028.7)   | 0.005117                 | (0.0036689, 0.0070606) | 554.3         | (374.1, 801.8)      | 0.001264                 | (0.0008529, 0.0018282) |
| Sumatera Utara | Diarrheal diseases                            | 45  | 2,036.1       | (1,439.5, 2,843.2)   | 0.005499                 | (0.0038876, 0.0076785) | 1,711.7       | (1,231.3, 2,281.1)  | 0.004499                 | (0.0032364, 0.0059956) |
| Sumatera Utara | HIV/AIDS                                      | 45  | 265.0         | (130.1, 513.9)       | 0.000716                 | (0.0003512, 0.0013879) | 161.0         | (78.9, 320.1)       | 0.000423                 | (0.0002074, 0.0008413) |
| Sumatera Utara | Lower respiratory infections                  | 45  | 1,342.6       | (961.4, 1,881.7)     | 0.003626                 | (0.0025963, 0.0050817) | 748.5         | (531.5, 1,049.5)    | 0.001967                 | (0.0013970, 0.0027585) |
| Sumatera Utara | Malaria                                       | 45  | 847.2         | (516.3, 1,329.9)     | 0.002288                 | (0.0013944, 0.0035915) | 417.2         | (244.4, 674.3)      | 0.001097                 | (0.0006424, 0.0017723) |
| Sumatera Utara | Tuberculosis                                  | 45  | 8,576.0       | (6,611.5, 10,717.9)  | 0.023161                 | (0.0178552, 0.0289451) | 3,782.4       | (2,987.3, 4,863.6)  | 0.009942                 | (0.0078518, 0.0127835) |
| Sumatera Utara | Maternal disorders                            | 45  |               |                      |                          |                        | 81.3          | (35.9, 151.5)       | 0.000214                 | (0.0000944, 0.0003982) |
| Sumatera Utara | Other communicable diseases                   | 45  | 2,872.4       | (2,084.6, 3,910.2)   | 0.007757                 | (0.0056298, 0.0105600) | 1,752.9       | (1,278.2, 2,372.5)  | 0.004607                 | (0.0033595, 0.0062360) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 45  | 1,255.9       | (793.3, 1,881.9)     | 0.003392                 | (0.0021423, 0.0050822) | 374.0         | (233.1, 618.7)      | 0.000983                 | (0.0006126, 0.0016262) |
| Sumatera Utara | Breast cancer                                 | 45  | 103.6         | (46.4, 216.5)        | 0.000280                 | (0.0001254, 0.0005847) | 3,458.1       | (2,569.9, 4,660.6)  | 0.009089                 | (0.0067548, 0.0122499) |
| Sumatera Utara | Cervical cancer                               | 45  |               |                      |                          |                        | 1,776.1       | (1,157.6, 2,604.5)  | 0.004668                 | (0.0030425, 0.0068457) |
| Sumatera Utara | Other malignant neoplasms                     | 45  | 5,554.8       | (4,297.8, 7,090.5)   | 0.015001                 | (0.0116068, 0.0191489) | 1,841.9       | (1,290.2, 2,497.1)  | 0.004841                 | (0.0033911, 0.0065633) |
| Sumatera Utara | Cerebrovascular disease                       | 45  | 16,775.8      | (13,443.1, 20,686.3) | 0.045305                 | (0.0363048, 0.0558658) | 11,263.2      | (9,034.2, 14,078.1) | 0.029604                 | (0.0237453, 0.0370028) |
| Sumatera Utara | Ischemic heart disease                        | 45  | 18,269.8      | (14,700.5, 22,765.0) | 0.049340                 | (0.0397004, 0.0614796) | 7,728.8       | (6,150.3, 9,709.8)  | 0.020314                 | (0.0161655, 0.0255213) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 45  | 2,599.2       | (1,966.5, 3,445.6)   | 0.007020                 | (0.0053109, 0.0093053) | 1,976.8       | (1,490.1, 2,612.3)  | 0.005196                 | (0.0039166, 0.0068662) |
| Sumatera Utara | Diabetes mellitus                             | 45  | 13,288.3      | (10,497.7, 16,511.1) | 0.035887                 | (0.0283502, 0.0445902) | 10,537.8      | (8,410.5, 13,261.4) | 0.027697                 | (0.0221061, 0.0348561) |
| Sumatera Utara | Chronic kidney disease                        | 45  | 3,381.0       | (2,540.1, 4,401.0)   | 0.009131                 | (0.0068599, 0.0118854) | 2,033.7       | (1,511.4, 2,674.0)  | 0.005345                 | (0.0039726, 0.0070284) |
| Sumatera Utara | Cirrhosis                                     | 45  | 7,164.4       | (5,479.9, 9,237.8)   | 0.019348                 | (0.0147991, 0.0249477) | 2,669.7       | (2,038.6, 3,452.0)  | 0.007017                 | (0.0053583, 0.0090731) |
| Sumatera Utara | Chronic respiratory diseases                  | 45  | 6,206.6       | (4,746.0, 7,903.8)   | 0.016762                 | (0.0128172, 0.0213451) | 2,706.6       | (2,091.2, 3,489.4)  | 0.007114                 | (0.0054964, 0.0091716) |
| Sumatera Utara | Other non-communicable diseases               | 45  | 7,100.8       | (5,573.3, 8,822.1)   | 0.019177                 | (0.0150514, 0.0238253) | 4,780.9       | (3,828.4, 5,991.1)  | 0.012566                 | (0.0100624, 0.0157470) |
| Sumatera Utara | Drowning                                      | 45  | 310.4         | (153.7, 576.0)       | 0.000838                 | (0.0004150, 0.0015555) | 94.0          | (46.5, 169.7)       | 0.000247                 | (0.0001221, 0.0004461) |
| Sumatera Utara | Falls                                         | 45  | 1,002.3       | (654.2, 1,486.5)     | 0.002707                 | (0.0017669, 0.0040145) | 373.0         | (236.3, 565.5)      | 0.000980                 | (0.0006210, 0.0014863) |
| Sumatera Utara | Interpersonal violence                        | 45  | 365.1         | (198.5, 579.0)       | 0.000986                 | (0.0005361, 0.0015637) | 164.6         | (87.7, 266.3)       | 0.000433                 | (0.0002305, 0.0007000) |
| Sumatera Utara | Self-harm                                     | 45  | 722.1         | (456.0, 1,100.3)     | 0.001950                 | (0.0012316, 0.0029715) | 262.7         | (159.8, 421.6)      | 0.000691                 | (0.0004201, 0.0011081) |
| Sumatera Utara | Transport injuries                            | 45  | 7,257.3       | (5,494.1, 9,435.7)   | 0.019599                 | (0.0148376, 0.0254824) | 1,873.2       | (1,390.2, 2,541.8)  | 0.004923                 | (0.0036540, 0.0066808) |
| Sumatera Utara | Other unintentional injuries                  | 45  | 1,908.1       | (1,342.3, 2,650.3)   | 0.005153                 | (0.0036250, 0.0071575) | 566.3         | (386.6, 818.3)      | 0.001489                 | (0.0010161, 0.0021509) |
| Sumatera Utara | Diarrheal diseases                            | 50  | 2,569.8       | (1,896.5, 3,392.2)   | 0.008122                 | (0.0059943, 0.0107217) | 2,165.3       | (1,613.7, 2,847.3)  | 0.006749                 | (0.0050297, 0.0088745) |
| Sumatera Utara | HIV/AIDS                                      | 50  | 109.6         | (47.1, 215.0)        | 0.000347                 | (0.0001490, 0.0006797) | 66.8          | (28.6, 141.2)       | 0.000208                 | (0.0000892, 0.0004402) |
| Sumatera Utara | Lower respiratory infections                  | 50  | 1,677.7       | (1,218.7, 2,339.5)   | 0.005303                 | (0.0038521, 0.0073946) | 953.0         | (680.6, 1,309.1)    | 0.002970                 | (0.0021212, 0.0040801) |
| Sumatera Utara | Malaria                                       | 50  | 821.7         | (510.9, 1,295.0)     | 0.002597                 | (0.0016147, 0.0040932) | 385.7         | (214.5, 621.7)      | 0.001202                 | (0.0006685, 0.0019376) |
| Sumatera Utara | Tuberculosis                                  | 50  | 9,210.9       | (7,228.4, 11,514.7)  | 0.029113                 | (0.0228471, 0.0363949) | 3,884.4       | (3,050.9, 5,040.4)  | 0.012107                 | (0.0095090, 0.0157100) |
| Sumatera Utara | Maternal disorders                            | 50  |               |                      |                          |                        | 30.7          | (10.1, 77.5)        | 0.000096                 | (0.0000315, 0.0002416) |
| Sumatera Utara | Other communicable diseases                   | 50  | 2,749.5       | (1,993.0, 3,671.8)   | 0.008691                 | (0.0062992, 0.0116056) | 1,709.2       | (1,244.7, 2,321.4)  | 0.005327                 | (0.0038795, 0.0072355) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 50  | 1,445.5       | (924.6, 2,198.3)     | 0.004569                 | (0.0029223, 0.0069481) | 381.2         | (235.9, 608.8)      | 0.001188                 | (0.0007352, 0.0018977) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|----------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sumatera Utara | Breast cancer                                 | 50  | 92.2 (46.6, 170.4)            | 0.000291 (0.0001474, 0.0005385) | 2,934.2 (2,196.8, 3,964.6)    | 0.009145 (0.0068470, 0.0123570) |
| Sumatera Utara | Cervical cancer                               | 50  |                               |                                 | 1,434.3 (934.0, 2,148.0)      | 0.004470 (0.0029111, 0.0066948) |
| Sumatera Utara | Other malignant neoplasms                     | 50  | 4,726.8 (3,607.1, 6,034.8)    | 0.014940 (0.0114011, 0.0190743) | 1,858.7 (1,342.3, 2,533.7)    | 0.005793 (0.0041837, 0.0078971) |
| Sumatera Utara | Cerebrovascular disease                       | 50  | 22,210.7 (17,821.2, 27,360.8) | 0.070202 (0.0563278, 0.0864799) | 14,662.0 (11,916.8, 18,478.2) | 0.045699 (0.0371422, 0.0575929) |
| Sumatera Utara | Ischemic heart disease                        | 50  | 21,930.3 (17,521.9, 27,217.9) | 0.069316 (0.0553820, 0.0860282) | 8,834.3 (7,024.7, 11,084.3)   | 0.027535 (0.0218947, 0.0345473) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 50  | 3,380.9 (2,584.6, 4,475.4)    | 0.010686 (0.0081691, 0.0141456) | 2,530.1 (1,945.8, 3,316.6)    | 0.007886 (0.0060645, 0.0103371) |
| Sumatera Utara | Diabetes mellitus                             | 50  | 17,308.3 (13,669.8, 21,522.6) | 0.054707 (0.0432066, 0.0680270) | 13,338.9 (10,750.9, 16,958.9) | 0.041575 (0.0335082, 0.0528574) |
| Sumatera Utara | Chronic kidney disease                        | 50  | 3,518.8 (2,668.6, 4,561.4)    | 0.011122 (0.0084347, 0.0144174) | 2,047.8 (1,539.7, 2,689.8)    | 0.006382 (0.0047990, 0.0083836) |
| Sumatera Utara | Cirrhosis                                     | 50  | 7,373.7 (5,567.8, 9,515.6)    | 0.023306 (0.0175982, 0.0300763) | 2,756.3 (2,128.3, 3,528.2)    | 0.008591 (0.0066333, 0.0109967) |
| Sumatera Utara | Chronic respiratory diseases                  | 50  | 7,948.2 (6,162.8, 10,087.8)   | 0.025122 (0.0194789, 0.0318848) | 3,472.0 (2,702.6, 4,487.8)    | 0.010822 (0.0084235, 0.0139876) |
| Sumatera Utara | Other non-communicable diseases               | 50  | 7,397.2 (5,867.1, 9,152.4)    | 0.023381 (0.0185443, 0.0289281) | 4,918.7 (3,939.6, 6,237.6)    | 0.015331 (0.0122788, 0.0194413) |
| Sumatera Utara | Drowning                                      | 50  | 216.6 (110.1, 370.8)          | 0.000685 (0.0003479, 0.0011719) | 69.8 (33.5, 122.3)            | 0.000218 (0.0001044, 0.0003811) |
| Sumatera Utara | Falls                                         | 50  | 1,103.0 (740.3, 1,559.3)      | 0.003486 (0.0023400, 0.0049286) | 423.2 (277.8, 610.0)          | 0.001319 (0.0008660, 0.0019012) |
| Sumatera Utara | Interpersonal violence                        | 50  | 284.9 (156.3, 437.8)          | 0.000901 (0.0004941, 0.0013839) | 120.6 (67.6, 192.2)           | 0.000376 (0.0002107, 0.0005991) |
| Sumatera Utara | Self-harm                                     | 50  | 630.7 (395.0, 976.5)          | 0.001994 (0.0012486, 0.0030866) | 212.6 (127.1, 337.5)          | 0.000663 (0.0003961, 0.0010518) |
| Sumatera Utara | Transport injuries                            | 50  | 5,611.6 (4,266.4, 7,224.5)    | 0.017737 (0.0134848, 0.0228347) | 1,437.7 (1,094.1, 1,902.6)    | 0.004481 (0.0034100, 0.0059300) |
| Sumatera Utara | Other unintentional injuries                  | 50  | 1,539.7 (1,089.7, 2,152.9)    | 0.004867 (0.0034441, 0.0068047) | 446.8 (309.0, 652.7)          | 0.001393 (0.0009629, 0.0020344) |
| Sumatera Utara | Diarrheal diseases                            | 55  | 2,336.5 (1,709.4, 3,063.9)    | 0.010442 (0.0076394, 0.0136924) | 2,032.3 (1,513.9, 2,629.2)    | 0.008977 (0.0066872, 0.0116139) |
| Sumatera Utara | HIV/AIDS                                      | 55  | 38.7 (13.8, 84.1)             | 0.000173 (0.0000616, 0.0003759) | 24.4 (8.7, 54.1)              | 0.000108 (0.0000382, 0.0002392) |
| Sumatera Utara | Lower respiratory infections                  | 55  | 1,419.4 (1,044.9, 1,974.3)    | 0.006343 (0.0046696, 0.0088231) | 869.5 (633.7, 1,193.6)        | 0.003841 (0.0027994, 0.0052726) |
| Sumatera Utara | Malaria                                       | 55  | 710.8 (421.7, 1,091.4)        | 0.003176 (0.0018847, 0.0048774) | 324.7 (183.6, 537.7)          | 0.001435 (0.0008110, 0.0023751) |
| Sumatera Utara | Tuberculosis                                  | 55  | 6,991.7 (5,454.1, 8,798.3)    | 0.031246 (0.0243745, 0.0393194) | 2,987.2 (2,338.6, 3,831.8)    | 0.013195 (0.0103300, 0.0169258) |
| Sumatera Utara | Other communicable diseases                   | 55  | 2,159.9 (1,563.5, 2,930.0)    | 0.009653 (0.0069873, 0.0130941) | 1,411.7 (1,004.0, 1,906.5)    | 0.006236 (0.0044350, 0.0084217) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 55  | 1,505.9 (939.3, 2,227.8)      | 0.006730 (0.0041975, 0.0099561) | 290.8 (180.1, 452.0)          | 0.001285 (0.0007955, 0.0019964) |
| Sumatera Utara | Breast cancer                                 | 55  | 67.3 (33.8, 123.4)            | 0.000301 (0.0001513, 0.0005514) | 1,948.6 (1,429.5, 2,655.6)    | 0.008607 (0.0063146, 0.0117302) |
| Sumatera Utara | Cervical cancer                               | 55  |                               |                                 | 920.4 (603.3, 1,347.7)        | 0.004066 (0.0026647, 0.0059532) |
| Sumatera Utara | Other malignant neoplasms                     | 55  | 3,241.7 (2,443.2, 4,113.0)    | 0.014487 (0.0109186, 0.0183808) | 1,417.4 (1,008.4, 1,949.5)    | 0.006261 (0.0044544, 0.0086115) |
| Sumatera Utara | Cerebrovascular disease                       | 55  | 22,346.8 (17,892.7, 27,475.1) | 0.099868 (0.0799625, 0.1227861) | 15,445.9 (12,547.1, 19,162.2) | 0.068228 (0.0554236, 0.0846438) |
| Sumatera Utara | Ischemic heart disease                        | 55  | 21,422.9 (16,994.1, 26,309.5) | 0.095739 (0.0759466, 0.1175770) | 9,104.2 (7,310.5, 11,391.5)   | 0.040215 (0.0322920, 0.0503188) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 55  | 3,369.1 (2,599.5, 4,422.9)    | 0.015057 (0.0116170, 0.0197657) | 2,575.1 (1,948.6, 3,383.8)    | 0.011375 (0.0086074, 0.0149472) |
| Sumatera Utara | Diabetes mellitus                             | 55  | 16,099.0 (13,017.6, 19,955.1) | 0.071946 (0.0581755, 0.0891790) | 12,750.7 (10,225.6, 16,235.6) | 0.056323 (0.0451690, 0.0717164) |
| Sumatera Utara | Chronic kidney disease                        | 55  | 3,018.7 (2,294.7, 3,930.4)    | 0.013491 (0.0102548, 0.0175649) | 1,781.2 (1,341.3, 2,334.4)    | 0.007868 (0.0059250, 0.0103114) |
| Sumatera Utara | Cirrhosis                                     | 55  | 5,706.9 (4,331.3, 7,390.0)    | 0.025504 (0.0193566, 0.0330257) | 2,256.0 (1,736.4, 2,920.5)    | 0.009965 (0.0076702, 0.0129006) |
| Sumatera Utara | Chronic respiratory diseases                  | 55  | 7,336.4 (5,733.6, 9,306.7)    | 0.032786 (0.0256232, 0.0415915) | 3,307.5 (2,640.6, 4,200.6)    | 0.014610 (0.0116642, 0.0185552) |
| Sumatera Utara | Other non-communicable diseases               | 55  | 6,679.5 (5,315.0, 8,281.4)    | 0.029851 (0.0237527, 0.0370095) | 4,610.0 (3,699.3, 5,791.5)    | 0.020363 (0.0163405, 0.0255825) |
| Sumatera Utara | Drowning                                      | 55  | 128.1 (60.0, 244.1)           | 0.000573 (0.0002680, 0.0010908) | 46.3 (21.4, 87.2)             | 0.000205 (0.0000946, 0.0003852) |
| Sumatera Utara | Falls                                         | 55  | 980.9 (661.0, 1,424.7)        | 0.004384 (0.0029539, 0.0063671) | 408.8 (269.5, 584.5)          | 0.001806 (0.0011906, 0.0025817) |
| Sumatera Utara | Interpersonal violence                        | 55  | 198.0 (96.7, 324.4)           | 0.000885 (0.0004320, 0.0014499) | 81.6 (44.1, 131.7)            | 0.000361 (0.0001949, 0.0005819) |
| Sumatera Utara | Self-harm                                     | 55  | 504.2 (303.5, 776.7)          | 0.002253 (0.0013564, 0.0034712) | 163.6 (101.1, 264.0)          | 0.000723 (0.0004466, 0.0011661) |
| Sumatera Utara | Transport injuries                            | 55  | 3,163.4 (2,326.0, 4,186.4)    | 0.014137 (0.0103949, 0.0187091) | 849.1 (610.3, 1,159.7)        | 0.003751 (0.0026959, 0.0051228) |
| Sumatera Utara | Other unintentional injuries                  | 55  | 1,076.7 (723.2, 1,549.7)      | 0.004812 (0.0032318, 0.0069257) | 320.1 (207.8, 476.4)          | 0.001414 (0.0009178, 0.0021044) |
| Sumatera Utara | Diarrheal diseases                            | 60  | 1,912.2 (1,453.8, 2,478.0)    | 0.014472 (0.0110021, 0.0187538) | 1,775.9 (1,387.4, 2,292.3)    | 0.012147 (0.0094902, 0.0156803) |
| Sumatera Utara | HIV/AIDS                                      | 60  | 21.0 (6.1, 47.7)              | 0.000159 (0.0000460, 0.0003608) | 14.2 (4.3, 32.6)              | 0.000097 (0.0000293, 0.0002227) |
| Sumatera Utara | Lower respiratory infections                  | 60  | 1,410.3 (1,059.4, 1,880.1)    | 0.010674 (0.0080179, 0.0142290) | 997.0 (745.3, 1,328.3)        | 0.006820 (0.0050983, 0.0090862) |
| Sumatera Utara | Malaria                                       | 60  | 593.8 (353.1, 880.5)          | 0.004494 (0.0026723, 0.0066639) | 274.8 (152.6, 446.6)          | 0.001880 (0.0010438, 0.0030547) |
| Sumatera Utara | Tuberculosis                                  | 60  | 6,592.9 (5,216.3, 8,141.4)    | 0.049895 (0.0394773, 0.0616143) | 3,122.6 (2,488.5, 3,851.8)    | 0.021360 (0.0170220, 0.0263477) |
| Sumatera Utara | Other communicable diseases                   | 60  | 1,231.4 (862.7, 1,715.3)      | 0.009319 (0.0065290, 0.0129811) | 873.7 (624.3, 1,186.8)        | 0.005976 (0.0042705, 0.0081181) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 60  | 1,121.9 (730.8, 1,621.3)      | 0.008491 (0.0055307, 0.0122699) | 229.9 (142.3, 350.9)          | 0.001572 (0.0009735, 0.0024001) |
| Sumatera Utara | Breast cancer                                 | 60  | 54.6 (25.5, 98.3)             | 0.000413 (0.0001927, 0.0007437) | 1,174.5 (846.9, 1,593.0)      | 0.008034 (0.0057929, 0.0108966) |
| Sumatera Utara | Cervical cancer                               | 60  |                               |                                 | 627.4 (392.5, 929.5)          | 0.004291 (0.0026849, 0.0063580) |
| Sumatera Utara | Other malignant neoplasms                     | 60  | 2,470.1 (1,923.2, 3,107.4)    | 0.018694 (0.0145547, 0.0235171) | 1,137.4 (820.5, 1,507.1)      | 0.007780 (0.0056125, 0.0103089) |
| Sumatera Utara | Cerebrovascular disease                       | 60  | 19,290.9 (15,598.8, 23,434.4) | 0.145994 (0.1180524, 0.1773525) | 14,307.2 (11,704.1, 17,250.0) | 0.097866 (0.0800597, 0.1179956) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Sumatera Utara | Ischemic heart disease                        | 60  | 17,016.1      | (13,581.1, 20,760.9) | 0.128779                 | (0.1027826, 0.1571195) | 8,235.7       | (6,641.6, 10,001.9)  | 0.056335                 | (0.0454306, 0.0684163) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 60  | 3,053.9       | (2,368.4, 4,024.1)   | 0.023112                 | (0.0179240, 0.0304546) | 2,356.3       | (1,835.3, 3,008.1)   | 0.016118                 | (0.0125538, 0.0205761) |
| Sumatera Utara | Diabetes mellitus                             | 60  | 11,758.7      | (9,447.4, 14,459.7)  | 0.088991                 | (0.0714987, 0.1094318) | 9,876.5       | (8,057.2, 12,214.3)  | 0.067559                 | (0.0551134, 0.0835495) |
| Sumatera Utara | Chronic kidney disease                        | 60  | 2,305.9       | (1,745.8, 3,025.2)   | 0.017451                 | (0.0132121, 0.0228945) | 1,413.8       | (1,071.5, 1,812.0)   | 0.009671                 | (0.0073296, 0.0123946) |
| Sumatera Utara | Cirrhosis                                     | 60  | 3,794.2       | (2,880.0, 4,836.5)   | 0.028714                 | (0.0217963, 0.0366032) | 1,618.7       | (1,255.8, 2,061.6)   | 0.011072                 | (0.0085901, 0.0141017) |
| Sumatera Utara | Chronic respiratory diseases                  | 60  | 8,334.2       | (6,634.4, 10,358.1)  | 0.063074                 | (0.0502097, 0.0783904) | 3,757.2       | (3,020.1, 4,599.4)   | 0.025700                 | (0.0206584, 0.0314612) |
| Sumatera Utara | Other non-communicable diseases               | 60  | 6,025.0       | (4,853.9, 7,437.9)   | 0.045597                 | (0.0367348, 0.0562905) | 4,343.5       | (3,540.4, 5,256.9)   | 0.029711                 | (0.0242171, 0.0359587) |
| Sumatera Utara | Drowning                                      | 60  | 62.1          | (25.8, 120.1)        | 0.000470                 | (0.0001954, 0.0009089) | 26.5          | (10.6, 51.8)         | 0.000181                 | (0.0000727, 0.0003544) |
| Sumatera Utara | Falls                                         | 60  | 564.4         | (356.9, 831.4)       | 0.004271                 | (0.0027013, 0.0062922) | 268.4         | (172.9, 385.5)       | 0.001836                 | (0.0011826, 0.0026373) |
| Sumatera Utara | Interpersonal violence                        | 60  | 111.0         | (47.6, 192.1)        | 0.000840                 | (0.0003600, 0.0014541) | 47.4          | (23.3, 80.4)         | 0.000324                 | (0.0001595, 0.0005500) |
| Sumatera Utara | Self-harm                                     | 60  | 327.6         | (194.5, 517.0)       | 0.002479                 | (0.0014720, 0.0039128) | 108.6         | (64.9, 175.2)        | 0.000743                 | (0.0004439, 0.0011986) |
| Sumatera Utara | Transport injuries                            | 60  | 1,892.5       | (1,400.4, 2,497.7)   | 0.014322                 | (0.0105984, 0.0189025) | 563.7         | (409.0, 756.2)       | 0.003856                 | (0.0027978, 0.0051728) |
| Sumatera Utara | Other unintentional injuries                  | 60  | 652.8         | (425.4, 930.4)       | 0.004941                 | (0.0032192, 0.0070411) | 210.2         | (135.3, 297.0)       | 0.001438                 | (0.0009256, 0.0020319) |
| Sumatera Utara | Diarrheal diseases                            | 65  | 2,432.4       | (1,858.5, 3,109.6)   | 0.026032                 | (0.0198900, 0.0332790) | 2,572.7       | (2,015.7, 3,260.7)   | 0.022292                 | (0.0174657, 0.0282527) |
| Sumatera Utara | HIV/AIDS                                      | 65  | 16.1          | (5.3, 35.4)          | 0.000173                 | (0.0000570, 0.0003791) | 12.5          | (4.7, 27.5)          | 0.000108                 | (0.0000406, 0.0002386) |
| Sumatera Utara | Lower respiratory infections                  | 65  | 1,336.4       | (980.6, 1,776.0)     | 0.014302                 | (0.0104940, 0.0190064) | 1,119.7       | (836.3, 1,485.6)     | 0.009702                 | (0.0072464, 0.0128723) |
| Sumatera Utara | Malaria                                       | 65  | 471.3         | (275.7, 727.9)       | 0.005044                 | (0.0029507, 0.0077903) | 233.7         | (131.9, 384.2)       | 0.002025                 | (0.0011427, 0.0033293) |
| Sumatera Utara | Tuberculosis                                  | 65  | 5,616.6       | (4,438.8, 6,889.0)   | 0.060110                 | (0.0475044, 0.0737261) | 2,944.8       | (2,321.6, 3,654.1)   | 0.025516                 | (0.0201157, 0.0316617) |
| Sumatera Utara | Other communicable diseases                   | 65  | 919.6         | (627.0, 1,271.4)     | 0.009842                 | (0.0067102, 0.0136068) | 760.2         | (533.8, 1,027.5)     | 0.006587                 | (0.0046255, 0.0089028) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 65  | 796.8         | (503.0, 1,181.6)     | 0.008528                 | (0.0053829, 0.0126457) | 171.4         | (104.7, 268.8)       | 0.001485                 | (0.0009075, 0.0023287) |
| Sumatera Utara | Breast cancer                                 | 65  | 37.5          | (14.4, 79.3)         | 0.000402                 | (0.0001546, 0.0008487) | 776.8         | (539.3, 1,079.9)     | 0.006731                 | (0.0046730, 0.0093566) |
| Sumatera Utara | Cervical cancer                               | 65  |               |                      |                          |                        | 503.2         | (310.0, 769.3)       | 0.004360                 | (0.0026858, 0.0066659) |
| Sumatera Utara | Other malignant neoplasms                     | 65  | 1,616.3       | (1,250.0, 2,050.1)   | 0.017297                 | (0.0133774, 0.0219405) | 1,009.0       | (723.1, 1,345.3)     | 0.008743                 | (0.0062650, 0.0116564) |
| Sumatera Utara | Cerebrovascular disease                       | 65  | 17,174.1      | (13,794.3, 20,817.9) | 0.183799                 | (0.1476278, 0.2227946) | 15,101.8      | (12,171.3, 18,160.0) | 0.130851                 | (0.1054593, 0.1573492) |
| Sumatera Utara | Ischemic heart disease                        | 65  | 14,209.9      | (11,422.0, 17,282.2) | 0.152075                 | (0.1222388, 0.1849549) | 7,952.2       | (6,297.4, 9,815.2)   | 0.068903                 | (0.0545648, 0.0850449) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 65  | 2,880.9       | (2,203.3, 3,786.6)   | 0.030832                 | (0.0235803, 0.0405248) | 2,600.0       | (1,995.5, 3,337.6)   | 0.022528                 | (0.0172904, 0.0289193) |
| Sumatera Utara | Diabetes mellitus                             | 65  | 8,102.7       | (6,462.6, 9,961.7)   | 0.086716                 | (0.0691630, 0.1066108) | 8,077.0       | (6,527.2, 9,911.6)   | 0.069984                 | (0.0565555, 0.0858799) |
| Sumatera Utara | Chronic kidney disease                        | 65  | 1,830.9       | (1,356.4, 2,404.2)   | 0.019594                 | (0.0145166, 0.0257294) | 1,298.9       | (970.3, 1,670.5)     | 0.011254                 | (0.0084076, 0.0144743) |
| Sumatera Utara | Cirrhosis                                     | 65  | 2,515.1       | (1,901.1, 3,215.1)   | 0.026917                 | (0.0203457, 0.0344088) | 1,298.2       | (1,003.3, 1,637.1)   | 0.011249                 | (0.0086934, 0.0141845) |
| Sumatera Utara | Chronic respiratory diseases                  | 65  | 7,758.3       | (6,106.9, 9,549.1)   | 0.083030                 | (0.0653560, 0.1021957) | 4,112.5       | (3,302.3, 5,041.3)   | 0.035633                 | (0.0286129, 0.0436806) |
| Sumatera Utara | Other non-communicable diseases               | 65  | 5,769.6       | (4,570.7, 7,048.7)   | 0.061747                 | (0.0489154, 0.0754361) | 4,906.4       | (3,994.9, 6,062.4)   | 0.042512                 | (0.0346142, 0.0525283) |
| Sumatera Utara | Drowning                                      | 65  | 41.3          | (16.0, 88.7)         | 0.000442                 | (0.0001713, 0.0009493) | 22.8          | (9.1, 46.2)          | 0.000198                 | (0.0000792, 0.0004005) |
| Sumatera Utara | Falls                                         | 65  | 482.1         | (310.5, 714.6)       | 0.005160                 | (0.0033230, 0.0076475) | 287.0         | (189.4, 411.2)       | 0.002487                 | (0.0016407, 0.0035630) |
| Sumatera Utara | Interpersonal violence                        | 65  | 71.5          | (28.4, 133.3)        | 0.000765                 | (0.0003038, 0.0014264) | 34.1          | (16.1, 61.4)         | 0.000295                 | (0.0001394, 0.0005318) |
| Sumatera Utara | Self-harm                                     | 65  | 241.1         | (138.2, 395.3)       | 0.002580                 | (0.0014789, 0.0042301) | 88.0          | (49.9, 141.3)        | 0.000762                 | (0.0004321, 0.0012239) |
| Sumatera Utara | Transport injuries                            | 65  | 1,288.2       | (918.6, 1,741.9)     | 0.013786                 | (0.0098306, 0.0186424) | 465.4         | (329.8, 644.9)       | 0.004032                 | (0.0028573, 0.0055880) |
| Sumatera Utara | Other unintentional injuries                  | 65  | 488.7         | (315.5, 738.1)       | 0.005230                 | (0.0033762, 0.0078990) | 185.3         | (122.2, 266.6)       | 0.001605                 | (0.0010585, 0.0023102) |
| Sumatera Utara | Diarrheal diseases                            | 70  | 2,942.6       | (2,310.8, 3,661.1)   | 0.045758                 | (0.0359340, 0.0569317) | 3,278.7       | (2,603.9, 4,020.0)   | 0.037656                 | (0.0299059, 0.0461704) |
| Sumatera Utara | HIV/AIDS                                      | 70  | 18.2          | (6.2, 41.2)          | 0.000283                 | (0.0000963, 0.0006407) | 15.4          | (5.8, 33.1)          | 0.000177                 | (0.0000664, 0.0003801) |
| Sumatera Utara | Lower respiratory infections                  | 70  | 1,476.4       | (1,087.8, 1,950.3)   | 0.022958                 | (0.0169154, 0.0303283) | 1,396.4       | (1,061.1, 1,796.8)   | 0.016038                 | (0.0121873, 0.0206367) |
| Sumatera Utara | Malaria                                       | 70  | 366.6         | (211.5, 570.8)       | 0.005701                 | (0.0032888, 0.0088760) | 189.4         | (103.3, 303.9)       | 0.002175                 | (0.0011862, 0.0034899) |
| Sumatera Utara | Tuberculosis                                  | 70  | 4,860.4       | (3,737.4, 6,026.5)   | 0.075581                 | (0.0581179, 0.0937147) | 2,858.6       | (2,277.2, 3,533.3)   | 0.032831                 | (0.0261540, 0.0405805) |
| Sumatera Utara | Other communicable diseases                   | 70  | 832.9         | (598.2, 1,145.1)     | 0.012952                 | (0.0093023, 0.0178061) | 732.1         | (527.5, 979.9)       | 0.008409                 | (0.0060582, 0.0112541) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 70  | 572.7         | (364.0, 851.0)       | 0.008905                 | (0.0056609, 0.0132336) | 138.5         | (83.5, 218.5)        | 0.001591                 | (0.0009591, 0.0025098) |
| Sumatera Utara | Breast cancer                                 | 70  | 22.6          | (7.7, 51.2)          | 0.000351                 | (0.0001200, 0.0007964) | 462.2         | (314.5, 655.8)       | 0.005309                 | (0.0036119, 0.0075318) |
| Sumatera Utara | Cervical cancer                               | 70  |               |                      |                          |                        | 318.3         | (190.8, 496.9)       | 0.003656                 | (0.0021911, 0.0057069) |
| Sumatera Utara | Other malignant neoplasms                     | 70  | 1,069.2       | (812.9, 1,352.6)     | 0.016626                 | (0.0126413, 0.0210330) | 794.4         | (595.2, 1,032.6)     | 0.009124                 | (0.0068363, 0.0118594) |
| Sumatera Utara | Cerebrovascular disease                       | 70  | 15,277.2      | (12,287.7, 18,303.2) | 0.237566                 | (0.1910786, 0.2846213) | 15,467.7      | (12,603.9, 18,308.7) | 0.177650                 | (0.1447584, 0.2102796) |
| Sumatera Utara | Ischemic heart disease                        | 70  | 11,792.3      | (9,429.9, 14,166.3)  | 0.183375                 | (0.1466384, 0.2202903) | 7,920.0       | (6,396.6, 9,507.3)   | 0.090963                 | (0.0734666, 0.1091941) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 70  | 2,748.3       | (2,134.5, 3,616.0)   | 0.042738                 | (0.0331922, 0.0562299) | 2,767.6       | (2,130.7, 3,560.9)   | 0.031787                 | (0.0244721, 0.0408972) |
| Sumatera Utara | Diabetes mellitus                             | 70  | 5,259.5       | (4,176.7, 6,404.7)   | 0.081787                 | (0.0649496, 0.0995955) | 6,079.2       | (4,931.6, 7,361.1)   | 0.069822                 | (0.0566411, 0.0845444) |
| Sumatera Utara | Chronic kidney disease                        | 70  | 1,367.4       | (1,003.5, 1,800.9)   | 0.021263                 | (0.0156042, 0.0280045) | 1,109.1       | (845.8, 1,407.5)     | 0.012739                 | (0.0097137, 0.0161653) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                      |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Sumatera Utara | Cirrhosis                                     | 70  | 1,830.3       | (1,388.9, 2,350.1)  | 0.028462                 | (0.0215973, 0.0365449) | 1,090.7       | (845.8, 1,376.3)     | 0.012527                 | (0.0097142, 0.0158074) |
| Sumatera Utara | Chronic respiratory diseases                  | 70  | 8,161.2       | (6,563.0, 9,906.2)  | 0.126909                 | (0.1020575, 0.1540445) | 4,814.2       | (3,924.9, 5,750.3)   | 0.055292                 | (0.0450779, 0.0660432) |
| Sumatera Utara | Other non-communicable diseases               | 70  | 5,538.9       | (4,467.1, 6,672.7)  | 0.086132                 | (0.0694649, 0.1037632) | 5,347.8       | (4,397.8, 6,419.7)   | 0.061420                 | (0.0505099, 0.0737313) |
| Sumatera Utara | Drowning                                      | 70  | 59.5          | (24.6, 115.7)       | 0.000925                 | (0.0003828, 0.0017987) | 37.5          | (19.0, 68.8)         | 0.000431                 | (0.0002183, 0.0007903) |
| Sumatera Utara | Falls                                         | 70  | 456.2         | (302.1, 664.9)      | 0.007094                 | (0.0046980, 0.0103387) | 308.6         | (209.6, 431.4)       | 0.003544                 | (0.0024076, 0.0049544) |
| Sumatera Utara | Interpersonal violence                        | 70  | 43.1          | (16.0, 84.5)        | 0.000670                 | (0.0002484, 0.0013143) | 22.8          | (9.8, 44.5)          | 0.000262                 | (0.0001126, 0.0005108) |
| Sumatera Utara | Self-harm                                     | 70  | 172.0         | (94.6, 278.2)       | 0.002675                 | (0.0014708, 0.0043267) | 69.3          | (38.4, 111.8)        | 0.000796                 | (0.0004408, 0.0012846) |
| Sumatera Utara | Transport injuries                            | 70  | 1,039.7       | (734.4, 1,411.4)    | 0.016167                 | (0.0114198, 0.0219475) | 423.7         | (309.4, 569.8)       | 0.004866                 | (0.0035533, 0.0065445) |
| Sumatera Utara | Other unintentional injuries                  | 70  | 402.2         | (264.1, 578.6)      | 0.006254                 | (0.0041063, 0.0089981) | 170.9         | (114.2, 245.1)       | 0.001963                 | (0.0013117, 0.0028149) |
| Sumatera Utara | Diarrheal diseases                            | 75  | 2,076.2       | (1,609.7, 2,625.2)  | 0.061806                 | (0.0479196, 0.0781495) | 2,922.1       | (2,353.0, 3,486.3)   | 0.054485                 | (0.0438731, 0.0650047) |
| Sumatera Utara | HIV/AIDS                                      | 75  | 8.1           | (2.9, 17.8)         | 0.000242                 | (0.0000859, 0.0005309) | 8.7           | (3.3, 19.0)          | 0.000162                 | (0.0000612, 0.0003535) |
| Sumatera Utara | Lower respiratory infections                  | 75  | 942.3         | (693.7, 1,260.4)    | 0.028050                 | (0.0206522, 0.0375210) | 1,120.3       | (858.4, 1,415.7)     | 0.020888                 | (0.0160062, 0.0263969) |
| Sumatera Utara | Malaria                                       | 75  | 203.9         | (108.7, 330.0)      | 0.006069                 | (0.0032347, 0.0098228) | 133.2         | (71.4, 221.2)        | 0.002484                 | (0.0013314, 0.0041244) |
| Sumatera Utara | Tuberculosis                                  | 75  | 2,288.8       | (1,750.1, 2,859.2)  | 0.068137                 | (0.0520998, 0.0851173) | 1,687.2       | (1,327.2, 2,062.1)   | 0.031459                 | (0.0247465, 0.0384491) |
| Sumatera Utara | Other communicable diseases                   | 75  | 487.6         | (336.8, 679.5)      | 0.014515                 | (0.0100261, 0.0202289) | 542.8         | (388.7, 731.1)       | 0.010121                 | (0.0072482, 0.0136320) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 75  | 256.1         | (153.4, 382.4)      | 0.007624                 | (0.0045677, 0.0113833) | 77.4          | (44.3, 123.8)        | 0.001443                 | (0.0008256, 0.0023087) |
| Sumatera Utara | Breast cancer                                 | 75  | 7.9           | (2.3, 19.1)         | 0.000234                 | (0.0000698, 0.0005682) | 217.7         | (139.4, 317.8)       | 0.004059                 | (0.0026001, 0.0059258) |
| Sumatera Utara | Cervical cancer                               | 75  |               |                     |                          |                        | 168.3         | (93.1, 269.6)        | 0.003139                 | (0.0017364, 0.0050261) |
| Sumatera Utara | Other malignant neoplasms                     | 75  | 453.6         | (335.5, 580.8)      | 0.013505                 | (0.0099887, 0.0172905) | 508.8         | (376.2, 656.8)       | 0.009487                 | (0.0070153, 0.0122461) |
| Sumatera Utara | Cerebrovascular disease                       | 75  | 8,913.5       | (6,966.2, 10,768.2) | 0.265348                 | (0.2073799, 0.3205620) | 12,039.7      | (9,786.4, 14,050.5)  | 0.224490                 | (0.1824753, 0.2619831) |
| Sumatera Utara | Ischemic heart disease                        | 75  | 7,215.5       | (5,582.2, 8,656.7)  | 0.214801                 | (0.1661791, 0.2577026) | 6,465.1       | (5,273.0, 7,629.5)   | 0.120548                 | (0.0983201, 0.1422586) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 75  | 1,600.2       | (1,207.4, 2,085.4)  | 0.047638                 | (0.0359445, 0.0620819) | 2,152.8       | (1,631.2, 2,710.9)   | 0.040140                 | (0.0304150, 0.0505473) |
| Sumatera Utara | Diabetes mellitus                             | 75  | 2,509.2       | (1,924.9, 3,102.7)  | 0.074696                 | (0.0573024, 0.0923650) | 3,891.6       | (3,132.0, 4,640.7)   | 0.072563                 | (0.0583986, 0.0865306) |
| Sumatera Utara | Chronic kidney disease                        | 75  | 677.2         | (493.2, 901.0)      | 0.020161                 | (0.0146822, 0.0268220) | 732.7         | (553.9, 925.2)       | 0.013661                 | (0.0103278, 0.0172509) |
| Sumatera Utara | Cirrhosis                                     | 75  | 950.9         | (700.9, 1,245.1)    | 0.028308                 | (0.0208651, 0.0370666) | 755.2         | (583.1, 949.2)       | 0.014081                 | (0.0108731, 0.0176978) |
| Sumatera Utara | Chronic respiratory diseases                  | 75  | 4,540.4       | (3,493.6, 5,570.9)  | 0.135165                 | (0.1040026, 0.1658421) | 3,507.4       | (2,863.7, 4,183.4)   | 0.065399                 | (0.0533958, 0.0780027) |
| Sumatera Utara | Other non-communicable diseases               | 75  | 3,656.9       | (2,877.0, 4,464.0)  | 0.108864                 | (0.0856448, 0.1328907) | 4,704.5       | (3,845.9, 5,569.0)   | 0.087720                 | (0.0717095, 0.1038394) |
| Sumatera Utara | Drowning                                      | 75  | 58.5          | (26.5, 119.9)       | 0.001741                 | (0.0007893, 0.0035694) | 46.5          | (23.9, 84.4)         | 0.000866                 | (0.0004458, 0.0015742) |
| Sumatera Utara | Falls                                         | 75  | 367.7         | (242.4, 526.1)      | 0.010947                 | (0.0072170, 0.0156615) | 313.2         | (219.0, 428.9)       | 0.005839                 | (0.0040834, 0.0079972) |
| Sumatera Utara | Interpersonal violence                        | 75  | 18.9          | (5.6, 46.5)         | 0.000562                 | (0.0001668, 0.0013852) | 12.6          | (4.2, 30.5)          | 0.000235                 | (0.0000790, 0.0005695) |
| Sumatera Utara | Self-harm                                     | 75  | 89.5          | (46.2, 152.9)       | 0.002666                 | (0.0013754, 0.0045502) | 45.4          | (22.5, 75.1)         | 0.000847                 | (0.0004188, 0.0014010) |
| Sumatera Utara | Transport injuries                            | 75  | 496.2         | (333.1, 693.1)      | 0.014772                 | (0.0099151, 0.0206340) | 253.9         | (170.7, 351.4)       | 0.004735                 | (0.0031834, 0.0065524) |
| Sumatera Utara | Other unintentional injuries                  | 75  | 236.1         | (149.2, 357.0)      | 0.007030                 | (0.0044418, 0.0106269) | 126.2         | (81.5, 189.4)        | 0.002354                 | (0.0015187, 0.0035314) |
| Sumatera Utara | Diarrheal diseases                            | 80  | 3,870.8       | (3,238.6, 4,530.9)  | 0.142162                 | (0.1189432, 0.1664041) | 6,616.8       | (5,648.4, 7,557.4)   | 0.134957                 | (0.1152044, 0.1541421) |
| Sumatera Utara | HIV/AIDS                                      | 80  | 9.2           | (2.8, 22.2)         | 0.000340                 | (0.0001045, 0.0008168) | 13.2          | (4.2, 31.2)          | 0.000269                 | (0.0000860, 0.0006364) |
| Sumatera Utara | Lower respiratory infections                  | 80  | 1,275.5       | (973.6, 1,655.6)    | 0.046845                 | (0.0357579, 0.0608035) | 2,001.9       | (1,557.2, 2,518.2)   | 0.040830                 | (0.0317606, 0.0513609) |
| Sumatera Utara | Malaria                                       | 80  | 231.3         | (114.5, 401.1)      | 0.008496                 | (0.0042036, 0.0147295) | 199.8         | (96.4, 375.0)        | 0.004075                 | (0.0019663, 0.0076480) |
| Sumatera Utara | Tuberculosis                                  | 80  | 2,218.4       | (1,790.1, 2,690.5)  | 0.081474                 | (0.0657452, 0.0988155) | 2,381.2       | (1,921.8, 2,885.9)   | 0.048568                 | (0.0391976, 0.0588606) |
| Sumatera Utara | Other communicable diseases                   | 80  | 640.5         | (463.8, 869.6)      | 0.023524                 | (0.0170333, 0.0319389) | 854.8         | (629.7, 1,129.1)     | 0.017434                 | (0.0128441, 0.0230282) |
| Sumatera Utara | Tracheal, bronchus, and lung cancer           | 80  | 200.7         | (119.2, 312.2)      | 0.007370                 | (0.0043788, 0.0114674) | 97.0          | (50.2, 162.6)        | 0.001979                 | (0.0010246, 0.0033157) |
| Sumatera Utara | Breast cancer                                 | 80  | 6.0           | (1.6, 16.1)         | 0.000221                 | (0.0000599, 0.0005926) | 203.2         | (116.2, 322.7)       | 0.004145                 | (0.0023696, 0.0065815) |
| Sumatera Utara | Cervical cancer                               | 80  |               |                     |                          |                        | 148.3         | (69.2, 260.0)        | 0.003026                 | (0.0014120, 0.0053025) |
| Sumatera Utara | Other malignant neoplasms                     | 80  | 399.0         | (307.4, 510.4)      | 0.014655                 | (0.0112888, 0.0187447) | 583.7         | (431.9, 755.3)       | 0.011905                 | (0.0088100, 0.0154062) |
| Sumatera Utara | Cerebrovascular disease                       | 80  | 9,965.7       | (8,523.4, 11,357.6) | 0.366011                 | (0.3130372, 0.4171302) | 18,347.0      | (16,021.3, 20,431.2) | 0.374206                 | (0.3267722, 0.4167161) |
| Sumatera Utara | Ischemic heart disease                        | 80  | 7,134.6       | (6,037.4, 8,282.0)  | 0.262033                 | (0.2217334, 0.3041735) | 9,646.2       | (8,328.4, 10,961.3)  | 0.196746                 | (0.1698675, 0.2235670) |
| Sumatera Utara | Other cardiovascular and circulatory diseases | 80  | 1,638.9       | (1,298.5, 2,052.9)  | 0.060190                 | (0.0476908, 0.0753950) | 2,942.8       | (2,326.4, 3,662.4)   | 0.060021                 | (0.0474490, 0.0746987) |
| Sumatera Utara | Diabetes mellitus                             | 80  | 2,169.3       | (1,770.8, 2,608.6)  | 0.079670                 | (0.0650359, 0.0958045) | 4,715.0       | (3,925.0, 5,577.6)   | 0.096168                 | (0.0800552, 0.1137612) |
| Sumatera Utara | Chronic kidney disease                        | 80  | 588.7         | (444.5, 757.9)      | 0.021620                 | (0.0163266, 0.0278343) | 903.8         | (686.7, 1,139.6)     | 0.018433                 | (0.0140061, 0.0232426) |
| Sumatera Utara | Cirrhosis                                     | 80  | 907.4         | (683.2, 1,153.4)    | 0.033327                 | (0.0250925, 0.0423595) | 965.0         | (754.3, 1,207.4)     | 0.019682                 | (0.0153851, 0.0246259) |
| Sumatera Utara | Chronic respiratory diseases                  | 80  | 4,971.6       | (4,183.5, 5,772.1)  | 0.182592                 | (0.1536488, 0.2119915) | 5,046.9       | (4,289.0, 5,789.5)   | 0.102937                 | (0.0874790, 0.1180825) |
| Sumatera Utara | Other non-communicable diseases               | 80  | 4,468.3       | (3,755.4, 5,198.2)  | 0.164108                 | (0.1379240, 0.1909137) | 7,756.6       | (6,710.2, 8,830.4)   | 0.158204                 | (0.1368612, 0.1801049) |
| Sumatera Utara | Drowning                                      | 80  | 73.2          | (31.5, 144.2)       | 0.002690                 | (0.0011581, 0.0052971) | 67.8          | (30.7, 130.0)        | 0.001383                 | (0.0006262, 0.0026525) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                            |                                  | Females                          |                                  |
|----------------|----------------------------------------------------------|-----|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
|                |                                                          |     | YLLs (95% UI)                    | YLLs per capita (95% UI)         | YLLs (95% UI)                    | YLLs per capita (95% UI)         |
| Sumatera Utara | Falls                                                    | 80  | 578.1 (397.6, 801.9)             | 0.021231 (0.0146038, 0.0294516)  | 596.3 (433.7, 806.6)             | 0.012162 (0.0088454, 0.0164510)  |
| Sumatera Utara | Interpersonal violence                                   | 80  | 14.9 (2.8, 43.3)                 | 0.000548 (0.0001012, 0.0015900)  | 13.8 (2.9, 40.6)                 | 0.000282 (0.0000601, 0.0008278)  |
| Sumatera Utara | Self-harm                                                | 80  | 83.5 (38.9, 153.8)               | 0.003066 (0.0014288, 0.0056495)  | 59.8 (26.6, 111.9)               | 0.001220 (0.0005418, 0.0022822)  |
| Sumatera Utara | Transport injuries                                       | 80  | 491.4 (317.1, 707.1)             | 0.018047 (0.0116447, 0.0259707)  | 316.3 (199.6, 462.7)             | 0.006451 (0.0040712, 0.0094372)  |
| Sumatera Utara | Other unintentional injuries                             | 80  | 243.9 (140.1, 377.5)             | 0.008958 (0.0051439, 0.0138644)  | 169.8 (98.4, 262.6)              | 0.003464 (0.0020061, 0.0053559)  |
| Sumatera Utara | Diarrheal diseases                                       | All | 65,254.1 (50,318.7, 85,191.2)    | 0.009357 (0.0072151, 0.0122154)  | 58,346.8 (46,062.5, 74,453.5)    | 0.008379 (0.0066148, 0.0106918)  |
| Sumatera Utara | HIV/AIDS                                                 | All | 7,667.8 (4,284.0, 12,461.9)      | 0.001100 (0.0006143, 0.0017869)  | 3,038.1 (1,695.7, 5,155.2)       | 0.000436 (0.0002435, 0.0007403)  |
| Sumatera Utara | Lower respiratory infections                             | All | 69,504.1 (48,705.5, 94,789.3)    | 0.009966 (0.0069838, 0.0135916)  | 43,638.2 (31,319.3, 60,261.2)    | 0.006267 (0.0044976, 0.0086537)  |
| Sumatera Utara | Malaria                                                  | All | 14,112.0 (9,390.3, 20,515.7)     | 0.002024 (0.0013465, 0.0029417)  | 5,811.4 (3,681.1, 8,719.3)       | 0.000835 (0.0005286, 0.0012521)  |
| Sumatera Utara | Tuberculosis                                             | All | 104,079.7 (82,750.4, 127,044.9)  | 0.014924 (0.0118654, 0.0182167)  | 40,558.9 (33,154.6, 49,500.3)    | 0.005824 (0.0047611, 0.0071084)  |
| Sumatera Utara | Maternal disorders                                       | All |                                  |                                  | 13,922.0 (10,722.5, 17,888.4)    | 0.001999 (0.0015398, 0.0025688)  |
| Sumatera Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 78,123.6 (39,953.0, 125,844.7)   | 0.011202 (0.0057288, 0.0180446)  | 53,865.7 (28,195.5, 91,732.0)    | 0.007735 (0.0040490, 0.0131731)  |
| Sumatera Utara | Preterm birth complications                              | All | 57,280.1 (27,478.9, 94,809.9)    | 0.008213 (0.0039401, 0.0135946)  | 52,071.1 (26,477.5, 87,174.5)    | 0.007478 (0.0038023, 0.0125186)  |
| Sumatera Utara | Other neonatal disorders                                 | All | 31,143.8 (13,268.7, 57,405.5)    | 0.004466 (0.0019026, 0.0082313)  | 20,213.4 (8,666.0, 39,819.4)     | 0.002903 (0.0012445, 0.0057182)  |
| Sumatera Utara | Other communicable diseases                              | All | 98,085.9 (74,912.5, 129,804.4)   | 0.014064 (0.0107415, 0.0186124)  | 53,248.7 (39,799.7, 72,682.6)    | 0.007647 (0.0057154, 0.0104375)  |
| Sumatera Utara | Tracheal, bronchus, and lung cancer                      | All | 10,609.6 (6,973.4, 15,403.3)     | 0.001521 (0.0009999, 0.0022086)  | 2,956.5 (1,928.4, 4,540.7)       | 0.000425 (0.0002769, 0.0006521)  |
| Sumatera Utara | Breast cancer                                            | All | 605.8 (311.7, 1,121.2)           | 0.000087 (0.0000447, 0.0001608)  | 20,868.4 (15,500.4, 27,740.4)    | 0.002997 (0.0022259, 0.0039836)  |
| Sumatera Utara | Cervical cancer                                          | All |                                  |                                  | 13,357.5 (9,210.5, 18,868.1)     | 0.001918 (0.0013227, 0.0027095)  |
| Sumatera Utara | Other malignant neoplasms                                | All | 47,819.8 (38,111.6, 59,004.9)    | 0.006857 (0.0054647, 0.0084606)  | 24,631.3 (19,360.0, 30,712.4)    | 0.003537 (0.0027802, 0.0044104)  |
| Sumatera Utara | Cerebrovascular disease                                  | All | 168,366.1 (136,860.5, 203,012.0) | 0.024142 (0.0196241, 0.0291095)  | 138,061.2 (114,169.4, 165,409.1) | 0.019826 (0.0163952, 0.0237534)  |
| Sumatera Utara | Ischemic heart disease                                   | All | 166,813.9 (134,197.4, 202,225.6) | 0.023919 (0.0192423, 0.0289967)  | 82,913.8 (67,886.1, 100,837.7)   | 0.011907 (0.0097487, 0.0144807)  |
| Sumatera Utara | Other cardiovascular and circulatory diseases            | All | 29,992.3 (23,524.8, 38,456.4)    | 0.004301 (0.0033732, 0.0055142)  | 26,153.2 (20,433.7, 33,159.7)    | 0.003756 (0.0029344, 0.0047619)  |
| Sumatera Utara | Diabetes mellitus                                        | All | 97,990.2 (78,917.0, 119,578.4)   | 0.014051 (0.0113157, 0.0171461)  | 85,589.7 (69,593.3, 105,218.4)   | 0.012291 (0.0099939, 0.0151098)  |
| Sumatera Utara | Chronic kidney disease                                   | All | 33,320.6 (26,002.6, 42,003.0)    | 0.004778 (0.0037285, 0.0060227)  | 21,453.8 (16,366.1, 27,191.8)    | 0.003081 (0.0023502, 0.0039048)  |
| Sumatera Utara | Cirrhosis                                                | All | 64,051.9 (50,206.4, 79,390.7)    | 0.009184 (0.0071990, 0.0113837)  | 24,708.2 (19,491.1, 30,855.2)    | 0.003548 (0.0027990, 0.0044309)  |
| Sumatera Utara | Chronic respiratory diseases                             | All | 82,599.6 (66,334.4, 100,276.7)   | 0.011844 (0.0095116, 0.0143785)  | 41,634.3 (34,255.3, 50,175.8)    | 0.005979 (0.0049192, 0.0072054)  |
| Sumatera Utara | Other non-communicable diseases                          | All | 144,806.3 (116,422.3, 176,552.3) | 0.020764 (0.0166936, 0.0253155)  | 118,424.0 (95,367.5, 144,353.3)  | 0.017006 (0.0136951, 0.0207297)  |
| Sumatera Utara | Drowning                                                 | All | 27,470.0 (19,904.2, 36,361.3)    | 0.003939 (0.0028540, 0.0052138)  | 8,396.2 (5,727.4, 11,920.4)      | 0.001206 (0.0008225, 0.0017118)  |
| Sumatera Utara | Falls                                                    | All | 16,825.6 (12,123.3, 22,394.2)    | 0.002413 (0.0017383, 0.0032111)  | 6,640.4 (4,780.6, 9,187.0)       | 0.000954 (0.0006865, 0.0013193)  |
| Sumatera Utara | Interpersonal violence                                   | All | 7,624.4 (5,264.8, 10,308.6)      | 0.001093 (0.0007549, 0.0014781)  | 3,671.1 (2,347.7, 5,521.7)       | 0.000527 (0.0003371, 0.0007929)  |
| Sumatera Utara | Self-harm                                                | All | 10,886.5 (7,057.8, 15,391.1)     | 0.001561 (0.0010120, 0.0022069)  | 4,087.6 (2,673.1, 5,964.6)       | 0.000587 (0.0003839, 0.0008565)  |
| Sumatera Utara | Transport injuries                                       | All | 150,690.8 (123,802.6, 180,734.5) | 0.021607 (0.0177518, 0.0259152)  | 39,380.7 (32,300.2, 47,086.3)    | 0.005655 (0.0046384, 0.0067618)  |
| Sumatera Utara | Other unintentional injuries                             | All | 38,724.7 (29,856.1, 49,303.4)    | 0.005553 (0.0042810, 0.0070695)  | 11,901.9 (8,896.0, 15,989.3)     | 0.001709 (0.0012775, 0.0022961)  |
| Sumatera Barat | Diarrheal diseases                                       | NN  | 1,417.3 (591.4, 2,655.3)         | 0.314709 (0.1313132, 0.5896344)  | 1,199.9 (538.9, 2,266.1)         | 0.282115 (0.1267187, 0.5328091)  |
| Sumatera Barat | Lower respiratory infections                             | NN  | 15,037.9 (7,298.1, 24,794.4)     | 3.339258 (1.6205890, 5.5057378)  | 8,864.9 (4,388.7, 15,558.3)      | 2.084350 (1.0318810, 3.6581430)  |
| Sumatera Barat | Malaria                                                  | NN  | 19.7 (3.0, 72.3)                 | 0.004378 (0.0006658, 0.0160520)  | 11.8 (1.9, 40.9)                 | 0.002767 (0.0004368, 0.0096188)  |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 32,747.5 (16,192.5, 52,607.4)    | 7.271788 (3.5956531, 11.6817904) | 21,483.7 (10,845.7, 37,269.7)    | 5.051355 (2.5500860, 8.7630272)  |
| Sumatera Barat | Preterm birth complications                              | NN  | 28,978.1 (13,715.5, 48,361.5)    | 6.434758 (3.0456159, 10.7389698) | 24,983.7 (12,289.6, 43,814.3)    | 5.874293 (2.8895860, 10.3018103) |
| Sumatera Barat | Other neonatal disorders                                 | NN  | 12,447.6 (4,871.3, 24,892.2)     | 2.764072 (1.0817029, 5.5274572)  | 7,679.6 (2,878.7, 15,877.1)      | 1.805662 (0.6768572, 3.7330959)  |
| Sumatera Barat | Other communicable diseases                              | NN  | 2,435.5 (1,038.9, 4,418.7)       | 0.540817 (0.2306996, 0.9812068)  | 1,460.4 (625.9, 2,842.0)         | 0.343375 (0.1471580, 0.6682236)  |
| Sumatera Barat | Other malignant neoplasms                                | NN  | 1,099.8 (426.8, 2,099.4)         | 0.244211 (0.0947770, 0.4661822)  | 824.9 (343.8, 1,674.3)           | 0.193947 (0.0808396, 0.3936578)  |
| Sumatera Barat | Cerebrovascular disease                                  | NN  | 149.5 (36.8, 382.7)              | 0.033206 (0.0081797, 0.0849874)  | 148.2 (40.1, 388.6)              | 0.034836 (0.0094248, 0.0913646)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | NN  | 216.5 (48.7, 565.9)              | 0.048070 (0.0108084, 0.1256605)  | 188.6 (42.8, 484.6)              | 0.044336 (0.0100636, 0.1139363)  |
| Sumatera Barat | Diabetes mellitus                                        | NN  | 54.3 (0.3, 376.6)                | 0.012062 (0.0000604, 0.0836361)  | 64.7 (0.3, 481.2)                | 0.015221 (0.0000784, 0.1131518)  |
| Sumatera Barat | Other non-communicable diseases                          | NN  | 14,278.7 (7,283.5, 22,425.3)     | 3.170664 (1.6173400, 4.9796681)  | 12,469.4 (6,532.4, 20,507.6)     | 2.931861 (1.5359280, 4.68218470) |
| Sumatera Barat | Drowning                                                 | NN  | 1,266.7 (421.1, 2,757.8)         | 0.281287 (0.0935065, 0.6123922)  | 333.1 (109.2, 757.9)             | 0.078329 (0.0256815, 0.1782114)  |
| Sumatera Barat | Falls                                                    | NN  | 667.5 (219.5, 1,405.8)           | 0.148221 (0.0487320, 0.3121758)  | 241.5 (78.3, 562.8)              | 0.056771 (0.0184072, 0.1323318)  |
| Sumatera Barat | Interpersonal violence                                   | NN  | 304.7 (95.1, 698.7)              | 0.067669 (0.0211184, 0.1551548)  | 180.1 (58.3, 433.8)              | 0.042357 (0.0136980, 0.1019893)  |
| Sumatera Barat | Transport injuries                                       | NN  | 1,707.9 (655.4, 3,389.4)         | 0.379239 (0.1455269, 0.7526292)  | 446.6 (181.3, 963.5)             | 0.105005 (0.0426366, 0.2265364)  |
| Sumatera Barat | Other unintentional injuries                             | NN  | 2,744.9 (1,147.4, 5,206.7)       | 0.609512 (0.2547774, 1.1561770)  | 937.2 (381.3, 1,853.5)           | 0.220349 (0.0896518, 0.4358137)  |



Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                        |                                 | Females                     |                                 |
|----------------|----------------------------------------------------------|-----|------------------------------|---------------------------------|-----------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Sumatera Barat | Diarrheal diseases                                       | PNN | 345.0 (162.2, 588.2)         | 0.006137 (0.0028853, 0.0104646) | 422.2 (204.8, 735.1)        | 0.007954 (0.0038575, 0.0138484) |
| Sumatera Barat | HIV/AIDS                                                 | PNN | 13.0 (3.7, 32.6)             | 0.000231 (0.0000655, 0.0005793) | 10.5 (3.2, 26.4)            | 0.000198 (0.0000606, 0.0004972) |
| Sumatera Barat | Lower respiratory infections                             | PNN | 338.0 (163.3, 566.0)         | 0.006014 (0.0029055, 0.0100702) | 277.6 (133.4, 458.8)        | 0.005230 (0.0025129, 0.0086437) |
| Sumatera Barat | Malaria                                                  | PNN | 4.7 (0.8, 15.6)              | 0.000084 (0.0000141, 0.0002775) | 4.0 (0.7, 13.3)             | 0.000076 (0.0000124, 0.0002502) |
| Sumatera Barat | Tuberculosis                                             | PNN | 38.9 (15.9, 70.6)            | 0.000692 (0.0002836, 0.0012567) | 32.7 (14.2, 62.9)           | 0.000617 (0.0002681, 0.0011854) |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 22.4 (6.8, 52.7)             | 0.000399 (0.0001208, 0.0009370) | 19.6 (5.5, 47.9)            | 0.000368 (0.0001027, 0.0009023) |
| Sumatera Barat | Preterm birth complications                              | PNN | 50.9 (18.4, 105.3)           | 0.000906 (0.0003266, 0.0018736) | 66.5 (22.8, 146.9)          | 0.001253 (0.0004302, 0.0027676) |
| Sumatera Barat | Other neonatal disorders                                 | PNN | 30.5 (8.8, 74.2)             | 0.000543 (0.0001565, 0.0013195) | 25.8 (7.2, 67.6)            | 0.000486 (0.0001350, 0.0012742) |
| Sumatera Barat | Other communicable diseases                              | PNN | 655.6 (325.2, 1,084.7)       | 0.011664 (0.0057852, 0.0192968) | 568.7 (276.3, 971.1)        | 0.010713 (0.0052054, 0.0182937) |
| Sumatera Barat | Other malignant neoplasms                                | PNN | 16.9 (7.0, 32.2)             | 0.000301 (0.0001242, 0.0005734) | 17.2 (7.3, 33.7)            | 0.000325 (0.0001375, 0.0006355) |
| Sumatera Barat | Cerebrovascular disease                                  | PNN | 2.3 (0.6, 5.6)               | 0.000041 (0.0000109, 0.0000990) | 3.1 (0.9, 7.7)              | 0.000058 (0.0000168, 0.0001442) |
| Sumatera Barat | Ischemic heart disease                                   | PNN | 1.4 (0.1, 7.4)               | 0.000025 (0.0000017, 0.0001316) | 1.9 (0.1, 9.8)              | 0.000035 (0.0000023, 0.0001852) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | PNN | 3.3 (0.9, 8.1)               | 0.000059 (0.0000157, 0.0001441) | 3.9 (1.1, 10.5)             | 0.000073 (0.0000200, 0.0001970) |
| Sumatera Barat | Diabetes mellitus                                        | PNN | 0.8 (0.0, 6.8)               | 0.000015 (0.0000001, 0.0001213) | 1.4 (0.0, 11.1)             | 0.000026 (0.0000001, 0.0002094) |
| Sumatera Barat | Chronic kidney disease                                   | PNN | 14.7 (5.3, 31.0)             | 0.000261 (0.0000951, 0.0005514) | 16.7 (6.5, 36.3)            | 0.000315 (0.0001223, 0.0006835) |
| Sumatera Barat | Other non-communicable diseases                          | PNN | 218.8 (107.0, 357.3)         | 0.003892 (0.0019043, 0.0063559) | 258.1 (129.0, 432.6)        | 0.004863 (0.0024298, 0.0081484) |
| Sumatera Barat | Drowning                                                 | PNN | 23.6 (8.8, 47.6)             | 0.000421 (0.0001565, 0.0008463) | 8.5 (3.1, 18.3)             | 0.000160 (0.0000579, 0.0003440) |
| Sumatera Barat | Falls                                                    | PNN | 12.0 (4.5, 25.1)             | 0.000214 (0.0000803, 0.0004459) | 5.9 (2.0, 13.1)             | 0.000111 (0.0000377, 0.0002472) |
| Sumatera Barat | Interpersonal violence                                   | PNN | 5.4 (1.8, 11.8)              | 0.000096 (0.0000317, 0.0002091) | 4.3 (1.4, 9.8)              | 0.000081 (0.0000270, 0.0001854) |
| Sumatera Barat | Transport injuries                                       | PNN | 31.6 (13.3, 59.5)            | 0.000562 (0.0002368, 0.0010594) | 11.3 (4.6, 21.8)            | 0.000212 (0.0000861, 0.0004110) |
| Sumatera Barat | Other unintentional injuries                             | PNN | 48.6 (21.5, 85.5)            | 0.000865 (0.0003819, 0.0015215) | 22.6 (10.0, 43.5)           | 0.000426 (0.0001886, 0.0008202) |
| Sumatera Barat | Diarrheal diseases                                       | 1   | 3,215.9 (1,229.6, 6,664.1)   | 0.014387 (0.0055009, 0.0298134) | 3,587.2 (1,549.6, 7,084.5)  | 0.016544 (0.0071467, 0.0326731) |
| Sumatera Barat | HIV/AIDS                                                 | 1   | 264.3 (70.2, 694.0)          | 0.001183 (0.0003139, 0.0031045) | 207.2 (59.7, 521.0)         | 0.000956 (0.0002754, 0.0024027) |
| Sumatera Barat | Lower respiratory infections                             | 1   | 6,843.2 (2,645.9, 13,830.8)  | 0.030615 (0.0118369, 0.0618752) | 5,425.0 (2,327.0, 10,580.1) | 0.025020 (0.0107321, 0.0487943) |
| Sumatera Barat | Malaria                                                  | 1   | 34.6 (5.2, 113.1)            | 0.000155 (0.0000232, 0.0005060) | 27.3 (4.3, 86.0)            | 0.000126 (0.0000197, 0.0003968) |
| Sumatera Barat | Tuberculosis                                             | 1   | 843.4 (302.1, 1,854.2)       | 0.003773 (0.0013514, 0.0082950) | 688.6 (269.4, 1,462.8)      | 0.003176 (0.0012424, 0.0067461) |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 254.0 (61.5, 729.3)          | 0.001136 (0.0002753, 0.0032625) | 192.0 (46.4, 514.7)         | 0.000886 (0.0002141, 0.0023740) |
| Sumatera Barat | Preterm birth complications                              | 1   | 110.5 (18.2, 383.8)          | 0.000494 (0.0000815, 0.0017169) | 125.0 (22.4, 384.7)         | 0.000577 (0.0001035, 0.0017742) |
| Sumatera Barat | Other neonatal disorders                                 | 1   | 54.0 (0.4, 394.0)            | 0.000241 (0.0000017, 0.0017626) | 40.5 (0.3, 307.1)           | 0.000187 (0.0000015, 0.0014164) |
| Sumatera Barat | Other communicable diseases                              | 1   | 12,248.4 (5,030.9, 24,929.6) | 0.054796 (0.0225067, 0.1115281) | 9,898.4 (4,251.6, 19,741.1) | 0.045651 (0.0196079, 0.0910443) |
| Sumatera Barat | Other malignant neoplasms                                | 1   | 219.5 (73.5, 503.4)          | 0.000982 (0.0003289, 0.0022519) | 243.4 (88.9, 538.8)         | 0.001122 (0.0004101, 0.0024848) |
| Sumatera Barat | Cerebrovascular disease                                  | 1   | 32.8 (7.0, 90.4)             | 0.000147 (0.0000312, 0.0004045) | 48.0 (11.6, 123.5)          | 0.000221 (0.0000537, 0.0005697) |
| Sumatera Barat | Ischemic heart disease                                   | 1   | 20.4 (1.3, 101.8)            | 0.000091 (0.0000058, 0.0004554) | 29.5 (2.2, 136.5)           | 0.000136 (0.0000100, 0.0006294) |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 1   | 44.8 (8.9, 130.5)            | 0.000201 (0.0000396, 0.0005839) | 56.4 (13.3, 156.3)          | 0.000260 (0.0000612, 0.0007207) |
| Sumatera Barat | Diabetes mellitus                                        | 1   | 11.1 (0.0, 80.8)             | 0.000050 (0.0000002, 0.0003617) | 19.6 (0.1, 144.8)           | 0.000090 (0.0000005, 0.0006677) |
| Sumatera Barat | Chronic kidney disease                                   | 1   | 185.7 (58.3, 469.1)          | 0.000831 (0.0002606, 0.0020986) | 228.5 (75.4, 508.7)         | 0.001054 (0.0003478, 0.0023463) |
| Sumatera Barat | Cirrhosis                                                | 1   | 352.1 (94.8, 934.6)          | 0.001575 (0.0004242, 0.0041811) | 204.7 (60.9, 506.6)         | 0.000944 (0.0002809, 0.0023365) |
| Sumatera Barat | Chronic respiratory diseases                             | 1   | 1,059.8 (365.1, 2,437.9)     | 0.004741 (0.0016333, 0.0109066) | 529.7 (179.4, 1,221.0)      | 0.002443 (0.0008275, 0.0056313) |
| Sumatera Barat | Other non-communicable diseases                          | 1   | 2,855.3 (1,107.0, 5,788.6)   | 0.012774 (0.0049522, 0.0258965) | 3,653.2 (1,603.4, 7,414.6)  | 0.016848 (0.0073946, 0.0341954) |
| Sumatera Barat | Drowning                                                 | 1   | 1,453.6 (456.0, 3,533.0)     | 0.006503 (0.0020399, 0.0158058) | 516.5 (167.8, 1,186.1)      | 0.002382 (0.0007737, 0.0054700) |
| Sumatera Barat | Falls                                                    | 1   | 509.6 (166.3, 1,217.0)       | 0.002280 (0.0007439, 0.0054444) | 245.6 (80.0, 576.1)         | 0.001133 (0.0003688, 0.0026568) |
| Sumatera Barat | Interpersonal violence                                   | 1   | 188.7 (52.4, 446.2)          | 0.000844 (0.0002343, 0.0019961) | 148.2 (45.2, 361.2)         | 0.000683 (0.0002084, 0.0016656) |
| Sumatera Barat | Transport injuries                                       | 1   | 1,698.2 (587.3, 3,758.0)     | 0.007597 (0.0026274, 0.0168122) | 602.4 (232.8, 1,308.1)      | 0.002778 (0.0010737, 0.0060327) |
| Sumatera Barat | Other unintentional injuries                             | 1   | 1,766.2 (669.2, 3,837.6)     | 0.007902 (0.0029939, 0.0171684) | 810.2 (313.3, 1,752.8)      | 0.003737 (0.0014450, 0.0080839) |
| Sumatera Barat | Diarrheal diseases                                       | 5   | 1,161.7 (734.5, 1,705.4)     | 0.004017 (0.0025399, 0.0058969) | 1,078.7 (734.1, 1,504.2)    | 0.004053 (0.0027580, 0.0056514) |
| Sumatera Barat | HIV/AIDS                                                 | 5   | 71.0 (17.4, 184.5)           | 0.000246 (0.0000603, 0.0006379) | 45.8 (11.4, 111.6)          | 0.000172 (0.0000428, 0.0004193) |
| Sumatera Barat | Lower respiratory infections                             | 5   | 1,654.6 (1,131.6, 2,317.8)   | 0.005721 (0.0039129, 0.0080145) | 1,087.0 (772.9, 1,486.3)    | 0.004084 (0.0029037, 0.0055842) |
| Sumatera Barat | Malaria                                                  | 5   | 12.7 (2.3, 39.4)             | 0.000044 (0.0000080, 0.0001363) | 8.3 (1.6, 24.8)             | 0.000031 (0.0000062, 0.0000930) |
| Sumatera Barat | Tuberculosis                                             | 5   | 294.9 (165.4, 487.5)         | 0.001020 (0.0005720, 0.0016859) | 199.1 (117.0, 318.1)        | 0.000748 (0.0004395, 0.0011950) |
| Sumatera Barat | Other communicable diseases                              | 5   | 4,392.1 (3,204.8, 5,805.4)   | 0.015187 (0.0110819, 0.0200742) | 2,951.1 (2,283.6, 3,705.5)  | 0.011087 (0.0085797, 0.0139215) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Barat | Other malignant neoplasms                     | 5   | 713.9         | (412.1, 1,128.8)   | 0.002468                 | (0.0014250, 0.0039031) | 656.3         | (429.0, 951.2)     | 0.002466                 | (0.0016116, 0.0035737) |
| Sumatera Barat | Cerebrovascular disease                       | 5   | 73.6          | (32.6, 146.6)      | 0.000255                 | (0.0001127, 0.0005068) | 88.8          | (42.8, 159.4)      | 0.000334                 | (0.0001607, 0.0005990) |
| Sumatera Barat | Ischemic heart disease                        | 5   | 51.7          | (18.9, 113.8)      | 0.000179                 | (0.0000654, 0.0003936) | 61.3          | (23.0, 124.3)      | 0.000230                 | (0.0000864, 0.0004668) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 5   | 111.5         | (45.1, 247.9)      | 0.000386                 | (0.0001558, 0.0008573) | 115.5         | (50.8, 232.9)      | 0.000434                 | (0.0001908, 0.0008751) |
| Sumatera Barat | Diabetes mellitus                             | 5   | 72.4          | (26.2, 166.0)      | 0.000250                 | (0.0000907, 0.0005741) | 106.7         | (40.5, 238.9)      | 0.000401                 | (0.0001520, 0.0008977) |
| Sumatera Barat | Chronic kidney disease                        | 5   | 207.1         | (101.1, 376.0)     | 0.000716                 | (0.0003496, 0.0013000) | 212.9         | (110.8, 371.5)     | 0.000800                 | (0.0004163, 0.0013956) |
| Sumatera Barat | Cirrhosis                                     | 5   | 500.4         | (266.0, 848.3)     | 0.001730                 | (0.0009198, 0.0029333) | 245.8         | (136.0, 405.2)     | 0.000923                 | (0.0005109, 0.0015223) |
| Sumatera Barat | Chronic respiratory diseases                  | 5   | 469.1         | (236.9, 820.7)     | 0.001622                 | (0.0008192, 0.0028379) | 192.9         | (95.9, 344.6)      | 0.000725                 | (0.0003601, 0.0012945) |
| Sumatera Barat | Other non-communicable diseases               | 5   | 1,385.3       | (950.8, 1,988.3)   | 0.004790                 | (0.0032878, 0.0068751) | 1,479.4       | (1,088.7, 1,993.5) | 0.005558                 | (0.0040903, 0.0074895) |
| Sumatera Barat | Drowning                                      | 5   | 2,719.2       | (1,652.2, 4,097.1) | 0.009403                 | (0.0057131, 0.0141671) | 1,091.4       | (656.9, 1,662.6)   | 0.004101                 | (0.0024680, 0.0062465) |
| Sumatera Barat | Falls                                         | 5   | 487.1         | (244.9, 832.3)     | 0.001684                 | (0.0008467, 0.0028778) | 245.1         | (131.4, 419.2)     | 0.000921                 | (0.0004938, 0.0015751) |
| Sumatera Barat | Interpersonal violence                        | 5   | 81.6          | (32.3, 178.5)      | 0.000282                 | (0.0001118, 0.0006174) | 66.9          | (28.5, 137.4)      | 0.000251                 | (0.0001071, 0.0005164) |
| Sumatera Barat | Transport injuries                            | 5   | 2,993.8       | (1,966.9, 4,223.4) | 0.010352                 | (0.0068013, 0.0146039) | 1,203.0       | (788.5, 1,740.9)   | 0.004520                 | (0.0029625, 0.0065406) |
| Sumatera Barat | Other unintentional injuries                  | 5   | 886.4         | (530.2, 1,398.7)   | 0.003065                 | (0.0018335, 0.0048367) | 427.2         | (261.8, 673.0)     | 0.001605                 | (0.0009835, 0.0025283) |
| Sumatera Barat | Diarrheal diseases                            | 10  | 554.2         | (340.3, 853.6)     | 0.001941                 | (0.0011922, 0.0029904) | 478.9         | (295.4, 710.1)     | 0.001769                 | (0.0010911, 0.0026228) |
| Sumatera Barat | HIV/AIDS                                      | 10  | 67.1          | (22.3, 146.4)      | 0.000235                 | (0.0000780, 0.0005129) | 42.0          | (14.3, 92.3)       | 0.000155                 | (0.0000529, 0.0003408) |
| Sumatera Barat | Lower respiratory infections                  | 10  | 1,041.3       | (704.4, 1,460.7)   | 0.003648                 | (0.0024677, 0.0051174) | 638.1         | (448.0, 888.1)     | 0.002357                 | (0.0016549, 0.0032803) |
| Sumatera Barat | Malaria                                       | 10  | 24.5          | (5.9, 64.1)        | 0.000086                 | (0.0000206, 0.0002247) | 15.3          | (3.9, 39.4)        | 0.000057                 | (0.0000142, 0.0001456) |
| Sumatera Barat | Tuberculosis                                  | 10  | 659.0         | (426.2, 961.5)     | 0.002309                 | (0.0014933, 0.0033684) | 436.2         | (285.9, 612.5)     | 0.001611                 | (0.0010560, 0.0022623) |
| Sumatera Barat | Maternal disorders                            | 10  |               |                    |                          |                        | 59.7          | (10.8, 152.6)      | 0.000221                 | (0.0000401, 0.0005637) |
| Sumatera Barat | Other communicable diseases                   | 10  | 3,278.4       | (2,554.5, 4,133.7) | 0.011485                 | (0.0089494, 0.0144820) | 1,987.5       | (1,592.5, 2,485.6) | 0.007341                 | (0.0058822, 0.0091809) |
| Sumatera Barat | Other malignant neoplasms                     | 10  | 972.4         | (658.4, 1,361.6)   | 0.003407                 | (0.0023065, 0.0047703) | 887.8         | (662.6, 1,164.0)   | 0.003279                 | (0.0024475, 0.0042995) |
| Sumatera Barat | Cerebrovascular disease                       | 10  | 115.9         | (64.5, 193.6)      | 0.000406                 | (0.0002259, 0.0006782) | 129.1         | (77.7, 203.0)      | 0.000477                 | (0.0002871, 0.0007500) |
| Sumatera Barat | Ischemic heart disease                        | 10  | 122.2         | (68.6, 198.1)      | 0.000428                 | (0.0002403, 0.0006939) | 133.4         | (82.9, 206.3)      | 0.000493                 | (0.0003060, 0.0007618) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 10  | 159.1         | (85.8, 277.8)      | 0.000557                 | (0.0003007, 0.0009732) | 156.8         | (86.6, 257.6)      | 0.000579                 | (0.0003200, 0.0009516) |
| Sumatera Barat | Diabetes mellitus                             | 10  | 97.4          | (50.1, 167.0)      | 0.000341                 | (0.0001754, 0.0005852) | 138.2         | (74.5, 229.9)      | 0.000510                 | (0.0002751, 0.0008491) |
| Sumatera Barat | Chronic kidney disease                        | 10  | 276.0         | (164.9, 432.6)     | 0.000967                 | (0.0005777, 0.0015155) | 275.1         | (171.9, 408.6)     | 0.001016                 | (0.0006349, 0.0015092) |
| Sumatera Barat | Cirrhosis                                     | 10  | 547.5         | (362.8, 798.6)     | 0.001918                 | (0.0012712, 0.0027978) | 252.1         | (162.3, 368.3)     | 0.000931                 | (0.0005994, 0.0013604) |
| Sumatera Barat | Chronic respiratory diseases                  | 10  | 833.4         | (546.5, 1,203.4)   | 0.002920                 | (0.0019146, 0.0042160) | 358.7         | (229.3, 542.9)     | 0.001325                 | (0.0008468, 0.0020053) |
| Sumatera Barat | Other non-communicable diseases               | 10  | 1,553.7       | (1,173.8, 2,010.2) | 0.005443                 | (0.0041123, 0.0070426) | 1,545.4       | (1,215.5, 1,966.6) | 0.005708                 | (0.0044895, 0.0072639) |
| Sumatera Barat | Drowning                                      | 10  | 1,374.8       | (801.4, 2,174.6)   | 0.004817                 | (0.0028075, 0.0076182) | 436.7         | (235.8, 729.4)     | 0.001613                 | (0.0008708, 0.0026940) |
| Sumatera Barat | Falls                                         | 10  | 418.0         | (224.0, 741.5)     | 0.001464                 | (0.0007847, 0.0025977) | 176.0         | (91.9, 320.9)      | 0.000650                 | (0.0003395, 0.0011852) |
| Sumatera Barat | Interpersonal violence                        | 10  | 121.8         | (66.0, 216.1)      | 0.000427                 | (0.0002313, 0.0007571) | 89.9          | (49.2, 150.9)      | 0.000332                 | (0.0001817, 0.0005573) |
| Sumatera Barat | Self-harm                                     | 10  | 239.1         | (102.9, 458.3)     | 0.000838                 | (0.0003606, 0.0016055) | 151.4         | (70.1, 270.6)      | 0.000559                 | (0.0002588, 0.0009997) |
| Sumatera Barat | Transport injuries                            | 10  | 4,175.5       | (3,150.3, 5,290.3) | 0.014628                 | (0.0110368, 0.0185337) | 1,540.1       | (1,115.9, 2,018.9) | 0.005688                 | (0.0041216, 0.0074570) |
| Sumatera Barat | Other unintentional injuries                  | 10  | 848.1         | (553.3, 1,242.3)   | 0.002971                 | (0.0019385, 0.0043523) | 357.0         | (221.5, 531.5)     | 0.001319                 | (0.0008183, 0.0019630) |
| Sumatera Barat | Diarrheal diseases                            | 15  | 341.6         | (187.4, 551.6)     | 0.001452                 | (0.0007964, 0.0023447) | 235.8         | (133.5, 365.4)     | 0.000992                 | (0.0005616, 0.0015377) |
| Sumatera Barat | HIV/AIDS                                      | 15  | 71.4          | (21.4, 177.1)      | 0.000303                 | (0.0000908, 0.0007528) | 37.5          | (11.9, 91.0)       | 0.000158                 | (0.0000502, 0.0003828) |
| Sumatera Barat | Lower respiratory infections                  | 15  | 586.3         | (380.5, 856.5)     | 0.002492                 | (0.0016174, 0.0036406) | 246.5         | (158.2, 359.0)     | 0.001037                 | (0.0006655, 0.0015105) |
| Sumatera Barat | Malaria                                       | 15  | 68.3          | (18.2, 166.7)      | 0.000290                 | (0.0000774, 0.0007084) | 41.8          | (10.0, 101.2)      | 0.000176                 | (0.0000421, 0.0004260) |
| Sumatera Barat | Tuberculosis                                  | 15  | 1,437.1       | (1,061.0, 1,941.8) | 0.006108                 | (0.0045095, 0.0082534) | 780.2         | (580.6, 1,019.7)   | 0.003283                 | (0.0024430, 0.0042905) |
| Sumatera Barat | Maternal disorders                            | 15  |               |                    |                          |                        | 288.3         | (160.6, 451.6)     | 0.001213                 | (0.0006757, 0.0019003) |
| Sumatera Barat | Other communicable diseases                   | 15  | 2,579.1       | (1,929.8, 3,389.7) | 0.010962                 | (0.0082025, 0.0144076) | 1,159.5       | (876.3, 1,470.2)   | 0.004879                 | (0.0036871, 0.0061859) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 15  | 116.8         | (37.8, 252.4)      | 0.000496                 | (0.0001605, 0.0010730) | 38.7          | (12.6, 86.1)       | 0.000163                 | (0.0000531, 0.0003622) |
| Sumatera Barat | Breast cancer                                 | 15  | 6.8           | (0.8, 25.4)        | 0.000029                 | (0.0000035, 0.0001081) | 186.8         | (63.7, 387.0)      | 0.000786                 | (0.0002681, 0.0016284) |
| Sumatera Barat | Cervical cancer                               | 15  |               |                    |                          |                        | 71.4          | (20.6, 174.6)      | 0.000301                 | (0.0000866, 0.0007347) |
| Sumatera Barat | Other malignant neoplasms                     | 15  | 1,192.3       | (842.6, 1,621.6)   | 0.005068                 | (0.0035814, 0.0068924) | 1,178.2       | (841.0, 1,531.9)   | 0.004957                 | (0.0035387, 0.0064459) |
| Sumatera Barat | Cerebrovascular disease                       | 15  | 241.1         | (140.1, 383.6)     | 0.001025                 | (0.0005954, 0.0016303) | 203.4         | (120.7, 316.9)     | 0.000856                 | (0.0005079, 0.0013334) |
| Sumatera Barat | Ischemic heart disease                        | 15  | 451.8         | (299.5, 654.6)     | 0.001921                 | (0.0012729, 0.0027825) | 336.6         | (228.0, 484.2)     | 0.001416                 | (0.0009595, 0.0020372) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 15  | 276.1         | (159.4, 449.7)     | 0.001173                 | (0.0006775, 0.0019115) | 249.0         | (133.2, 404.0)     | 0.001048                 | (0.0005603, 0.0016999) |
| Sumatera Barat | Diabetes mellitus                             | 15  | 168.5         | (91.5, 277.0)      | 0.000716                 | (0.0003891, 0.0011774) | 224.2         | (126.2, 368.2)     | 0.000944                 | (0.0005310, 0.0015494) |
| Sumatera Barat | Chronic kidney disease                        | 15  | 444.3         | (282.0, 667.1)     | 0.001888                 | (0.0011987, 0.0028355) | 434.7         | (280.2, 648.2)     | 0.001829                 | (0.0011790, 0.0027274) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Barat | Cirrhosis                                     | 15  | 709.7 (464.6, 1,007.5)      | 0.003017 (0.0019749, 0.0042824) | 278.0 (176.4, 422.8)       | 0.001170 (0.0007424, 0.0017788) |
| Sumatera Barat | Chronic respiratory diseases                  | 15  | 841.6 (557.5, 1,187.7)      | 0.003577 (0.0023698, 0.0050482) | 409.9 (265.8, 595.2)       | 0.001725 (0.0011185, 0.0025042) |
| Sumatera Barat | Other non-communicable diseases               | 15  | 2,080.1 (1,593.0, 2,643.7)  | 0.008841 (0.0067710, 0.0112365) | 1,697.5 (1,342.7, 2,096.0) | 0.007142 (0.0056496, 0.0088192) |
| Sumatera Barat | Drowning                                      | 15  | 645.9 (348.2, 1,075.4)      | 0.002745 (0.0014798, 0.0045709) | 121.8 (54.8, 218.9)        | 0.000513 (0.0002305, 0.0009210) |
| Sumatera Barat | Falls                                         | 15  | 347.7 (204.5, 562.5)        | 0.001478 (0.0008691, 0.0023908) | 101.3 (54.7, 179.0)        | 0.000426 (0.0002300, 0.0007530) |
| Sumatera Barat | Interpersonal violence                        | 15  | 276.7 (173.2, 424.5)        | 0.001176 (0.0007360, 0.0018045) | 201.1 (105.9, 344.7)       | 0.000846 (0.0004457, 0.0014502) |
| Sumatera Barat | Self-harm                                     | 15  | 459.5 (275.8, 682.5)        | 0.001953 (0.0011722, 0.0029010) | 299.6 (173.4, 476.6)       | 0.001261 (0.0007294, 0.0020052) |
| Sumatera Barat | Transport injuries                            | 15  | 9,915.6 (7,978.9, 12,106.3) | 0.042145 (0.0339134, 0.0514560) | 3,308.8 (2,713.2, 3,942.3) | 0.013922 (0.0114164, 0.0165882) |
| Sumatera Barat | Other unintentional injuries                  | 15  | 1,184.7 (807.9, 1,644.0)    | 0.005036 (0.0034340, 0.0069878) | 414.4 (258.0, 647.7)       | 0.001744 (0.0010855, 0.0027253) |
| Sumatera Barat | Diarrheal diseases                            | 20  | 321.6 (181.4, 525.9)        | 0.001623 (0.0009155, 0.0026544) | 184.6 (107.3, 279.9)       | 0.000895 (0.0005201, 0.0013567) |
| Sumatera Barat | HIV/AIDS                                      | 20  | 237.9 (90.0, 489.8)         | 0.001201 (0.0004542, 0.0024725) | 97.7 (35.2, 192.2)         | 0.000474 (0.0001706, 0.0009317) |
| Sumatera Barat | Lower respiratory infections                  | 20  | 551.4 (348.5, 828.2)        | 0.002783 (0.0017593, 0.0041803) | 166.5 (103.9, 254.1)       | 0.000807 (0.0005037, 0.0012318) |
| Sumatera Barat | Malaria                                       | 20  | 83.4 (22.0, 202.5)          | 0.000421 (0.0001112, 0.0010219) | 41.8 (9.8, 100.1)          | 0.000203 (0.0000474, 0.0004852) |
| Sumatera Barat | Tuberculosis                                  | 20  | 2,875.8 (2,109.0, 3,754.1)  | 0.014516 (0.0106453, 0.0189494) | 1,064.6 (808.7, 1,349.1)   | 0.005160 (0.0039200, 0.0065392) |
| Sumatera Barat | Maternal disorders                            | 20  |                             |                                 | 606.8 (387.2, 861.8)       | 0.002941 (0.0018769, 0.0041771) |
| Sumatera Barat | Other communicable diseases                   | 20  | 3,109.1 (2,316.0, 4,092.3)  | 0.015694 (0.0116905, 0.0206562) | 1,167.9 (886.2, 1,467.6)   | 0.005661 (0.0042956, 0.0071135) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 20  | 93.7 (31.7, 208.7)          | 0.000473 (0.0001598, 0.0010533) | 48.2 (18.5, 100.5)         | 0.000234 (0.0000895, 0.0004873) |
| Sumatera Barat | Breast cancer                                 | 20  | 9.1 (2.1, 25.7)             | 0.000046 (0.0000104, 0.0001299) | 452.8 (269.2, 693.1)       | 0.002195 (0.0013050, 0.0033595) |
| Sumatera Barat | Cervical cancer                               | 20  |                             |                                 | 126.1 (53.6, 259.1)        | 0.000611 (0.0002598, 0.0012560) |
| Sumatera Barat | Other malignant neoplasms                     | 20  | 1,023.3 (719.1, 1,433.6)    | 0.005165 (0.0036300, 0.0072365) | 1,059.2 (776.7, 1,394.0)   | 0.005134 (0.0037647, 0.0067568) |
| Sumatera Barat | Cerebrovascular disease                       | 20  | 423.9 (279.3, 598.5)        | 0.002140 (0.0014096, 0.0030209) | 272.5 (191.2, 374.7)       | 0.001321 (0.0009270, 0.0018161) |
| Sumatera Barat | Ischemic heart disease                        | 20  | 770.5 (521.4, 1,066.6)      | 0.003889 (0.0026317, 0.0053836) | 344.0 (248.2, 465.2)       | 0.001667 (0.0012032, 0.0022549) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 20  | 393.0 (240.8, 589.1)        | 0.001984 (0.0012156, 0.0029734) | 305.7 (204.9, 433.0)       | 0.001482 (0.0009932, 0.0020990) |
| Sumatera Barat | Diabetes mellitus                             | 20  | 147.7 (84.4, 228.8)         | 0.000746 (0.0004259, 0.0011549) | 171.9 (103.8, 260.9)       | 0.000833 (0.0005031, 0.0012646) |
| Sumatera Barat | Chronic kidney disease                        | 20  | 628.4 (414.5, 910.9)        | 0.003172 (0.0020922, 0.0045977) | 532.1 (370.8, 744.0)       | 0.002579 (0.0017973, 0.0036064) |
| Sumatera Barat | Cirrhosis                                     | 20  | 1,019.1 (685.4, 1,443.8)    | 0.005144 (0.0034597, 0.0072878) | 352.2 (241.8, 489.2)       | 0.001707 (0.0011719, 0.0023715) |
| Sumatera Barat | Chronic respiratory diseases                  | 20  | 1,567.7 (1,092.1, 2,160.8)  | 0.007913 (0.0055125, 0.0109071) | 814.9 (603.5, 1,083.8)     | 0.003950 (0.0029254, 0.0052533) |
| Sumatera Barat | Other non-communicable diseases               | 20  | 1,856.3 (1,356.9, 2,416.9)  | 0.009370 (0.0068489, 0.0121997) | 1,240.3 (989.3, 1,544.7)   | 0.006012 (0.0047954, 0.0074872) |
| Sumatera Barat | Drowning                                      | 20  | 437.1 (208.0, 778.4)        | 0.002206 (0.0010500, 0.0039289) | 65.0 (28.2, 128.0)         | 0.000315 (0.0001367, 0.0006206) |
| Sumatera Barat | Falls                                         | 20  | 320.4 (182.6, 522.5)        | 0.001618 (0.0009218, 0.0026375) | 73.5 (39.5, 134.4)         | 0.000356 (0.0001913, 0.0006514) |
| Sumatera Barat | Interpersonal violence                        | 20  | 312.8 (190.8, 483.5)        | 0.001579 (0.0009629, 0.0024406) | 174.6 (97.1, 297.9)        | 0.000846 (0.0004706, 0.0014439) |
| Sumatera Barat | Self-harm                                     | 20  | 443.8 (273.8, 674.4)        | 0.002240 (0.0013821, 0.0034042) | 223.6 (128.5, 364.6)       | 0.001084 (0.0006226, 0.0017672) |
| Sumatera Barat | Transport injuries                            | 20  | 7,997.2 (6,157.9, 10,249.3) | 0.040367 (0.0310828, 0.0517348) | 1,902.2 (1,480.7, 2,354.5) | 0.009220 (0.0071772, 0.0114128) |
| Sumatera Barat | Other unintentional injuries                  | 20  | 1,241.9 (831.7, 1,763.3)    | 0.006269 (0.0041981, 0.0089004) | 337.7 (212.4, 516.1)       | 0.001637 (0.0010293, 0.0025018) |
| Sumatera Barat | Diarrheal diseases                            | 25  | 462.0 (279.8, 722.2)        | 0.002254 (0.0013654, 0.0035241) | 221.6 (139.8, 334.3)       | 0.001065 (0.0006721, 0.0016067) |
| Sumatera Barat | HIV/AIDS                                      | 25  | 447.0 (205.1, 828.7)        | 0.002181 (0.0010008, 0.0040436) | 154.3 (67.2, 292.6)        | 0.000741 (0.0003230, 0.0014063) |
| Sumatera Barat | Lower respiratory infections                  | 25  | 576.1 (362.8, 857.1)        | 0.002811 (0.0017704, 0.0041823) | 142.0 (87.3, 216.0)        | 0.000682 (0.0004194, 0.0010380) |
| Sumatera Barat | Malaria                                       | 25  | 92.2 (25.5, 226.3)          | 0.000450 (0.0001244, 0.0011044) | 38.5 (9.5, 91.8)           | 0.000185 (0.0000457, 0.0004413) |
| Sumatera Barat | Tuberculosis                                  | 25  | 4,070.2 (3,127.0, 5,198.7)  | 0.019861 (0.0152583, 0.0253673) | 1,212.7 (918.2, 1,585.6)   | 0.005828 (0.0044129, 0.0076202) |
| Sumatera Barat | Maternal disorders                            | 25  |                             |                                 | 961.1 (641.4, 1,340.8)     | 0.004619 (0.0030827, 0.0064441) |
| Sumatera Barat | Other communicable diseases                   | 25  | 3,339.2 (2,457.4, 4,373.8)  | 0.016294 (0.0119911, 0.0213422) | 1,047.6 (779.1, 1,374.9)   | 0.005035 (0.0037442, 0.0066079) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 25  | 128.7 (47.6, 258.8)         | 0.000628 (0.0002324, 0.0012628) | 61.3 (26.7, 124.1)         | 0.000294 (0.0001285, 0.0005965) |
| Sumatera Barat | Breast cancer                                 | 25  | 10.3 (3.2, 27.4)            | 0.000050 (0.0000157, 0.0001337) | 845.1 (556.3, 1,199.9)     | 0.004062 (0.0026737, 0.0057669) |
| Sumatera Barat | Cervical cancer                               | 25  |                             |                                 | 207.8 (94.3, 383.5)        | 0.000999 (0.0004533, 0.0018430) |
| Sumatera Barat | Other malignant neoplasms                     | 25  | 1,391.3 (1,030.9, 1,845.2)  | 0.006789 (0.0050305, 0.0090038) | 1,068.5 (776.1, 1,417.3)   | 0.005135 (0.0037299, 0.0068117) |
| Sumatera Barat | Cerebrovascular disease                       | 25  | 793.4 (575.1, 1,061.1)      | 0.003872 (0.0028064, 0.0051775) | 437.5 (330.2, 571.4)       | 0.002103 (0.0015870, 0.0027463) |
| Sumatera Barat | Ischemic heart disease                        | 25  | 1,551.6 (1,167.0, 2,004.1)  | 0.007571 (0.0056943, 0.0097791) | 558.7 (417.6, 725.7)       | 0.002685 (0.0020070, 0.0034876) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 25  | 544.2 (365.4, 763.4)        | 0.002656 (0.0017831, 0.0037250) | 377.5 (269.4, 521.2)       | 0.001814 (0.0012948, 0.0025051) |
| Sumatera Barat | Diabetes mellitus                             | 25  | 258.4 (167.1, 377.2)        | 0.001261 (0.0008155, 0.0018405) | 258.4 (173.0, 370.9)       | 0.001242 (0.0008314, 0.0017827) |
| Sumatera Barat | Chronic kidney disease                        | 25  | 742.9 (516.5, 1,030.7)      | 0.003625 (0.0025205, 0.0050294) | 542.4 (388.9, 743.4)       | 0.002607 (0.0018690, 0.0035728) |
| Sumatera Barat | Cirrhosis                                     | 25  | 1,439.5 (1,036.0, 1,952.4)  | 0.007024 (0.0050551, 0.0095270) | 432.4 (300.5, 583.3)       | 0.002078 (0.0014442, 0.0028033) |
| Sumatera Barat | Chronic respiratory diseases                  | 25  | 1,987.7 (1,445.4, 2,637.5)  | 0.009699 (0.0070529, 0.0128700) | 946.9 (705.7, 1,247.7)     | 0.004551 (0.0033918, 0.0059967) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Barat | Other non-communicable diseases               | 25  | 2,260.1 (1,738.1, 2,960.0) | 0.011028 (0.0084814, 0.0144434) | 1,321.3 (1,051.8, 1,661.0) | 0.006350 (0.0050548, 0.0079830) |
| Sumatera Barat | Drowning                                      | 25  | 273.7 (124.6, 519.7)       | 0.001335 (0.0006078, 0.0025358) | 34.2 (14.9, 69.6)          | 0.000164 (0.0000714, 0.0003343) |
| Sumatera Barat | Falls                                         | 25  | 441.9 (261.7, 707.6)       | 0.002156 (0.0012768, 0.0034529) | 85.7 (47.9, 150.1)         | 0.000412 (0.0002303, 0.0007213) |
| Sumatera Barat | Interpersonal violence                        | 25  | 319.5 (198.5, 483.8)       | 0.001559 (0.0009686, 0.0023609) | 149.6 (81.5, 249.9)        | 0.000719 (0.0003919, 0.0012012) |
| Sumatera Barat | Self-harm                                     | 25  | 423.5 (260.6, 645.8)       | 0.002067 (0.0012717, 0.0031510) | 178.2 (103.8, 287.9)       | 0.000856 (0.0004989, 0.0013836) |
| Sumatera Barat | Transport injuries                            | 25  | 5,684.6 (4,334.2, 7,254.8) | 0.027738 (0.0211491, 0.0354001) | 1,013.9 (746.8, 1,320.2)   | 0.004873 (0.0035890, 0.0063449) |
| Sumatera Barat | Other unintentional injuries                  | 25  | 1,469.5 (977.9, 2,076.0)   | 0.007170 (0.0047718, 0.0101302) | 335.9 (211.2, 500.6)       | 0.001614 (0.0010150, 0.0024060) |
| Sumatera Barat | Diarrheal diseases                            | 30  | 472.6 (283.8, 718.3)       | 0.002459 (0.0014770, 0.0037375) | 235.0 (148.3, 360.0)       | 0.001233 (0.0007782, 0.0018886) |
| Sumatera Barat | HIV/AIDS                                      | 30  | 408.0 (186.8, 737.2)       | 0.002123 (0.0009722, 0.0038363) | 146.6 (66.7, 275.9)        | 0.000769 (0.0003497, 0.0014473) |
| Sumatera Barat | Lower respiratory infections                  | 30  | 482.7 (306.6, 723.1)       | 0.002512 (0.0015953, 0.0037629) | 130.3 (83.8, 200.3)        | 0.000684 (0.0004394, 0.0010510) |
| Sumatera Barat | Malaria                                       | 30  | 72.2 (19.6, 180.9)         | 0.000376 (0.0001022, 0.0009411) | 27.4 (6.7, 66.2)           | 0.000144 (0.0000351, 0.0003472) |
| Sumatera Barat | Tuberculosis                                  | 30  | 3,723.7 (2,808.8, 4,730.2) | 0.019377 (0.0146158, 0.0246138) | 1,050.3 (778.6, 1,398.3)   | 0.005511 (0.0040850, 0.0073363) |
| Sumatera Barat | Maternal disorders                            | 30  |                            |                                 | 909.6 (623.7, 1,280.6)     | 0.004772 (0.0032724, 0.0067184) |
| Sumatera Barat | Other communicable diseases                   | 30  | 2,176.9 (1,573.3, 2,895.4) | 0.011328 (0.0081867, 0.0150667) | 731.1 (529.0, 1,014.7)     | 0.003836 (0.0027751, 0.0053235) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 30  | 235.6 (100.0, 475.5)       | 0.001226 (0.0005205, 0.0024744) | 63.8 (29.7, 124.0)         | 0.000335 (0.0001560, 0.0006505) |
| Sumatera Barat | Breast cancer                                 | 30  | 12.0 (3.1, 35.4)           | 0.000063 (0.0000162, 0.0001842) | 1,162.9 (825.1, 1,572.1)   | 0.006101 (0.0043288, 0.0082479) |
| Sumatera Barat | Cervical cancer                               | 30  |                            |                                 | 311.9 (155.8, 575.7)       | 0.001636 (0.0008175, 0.0030204) |
| Sumatera Barat | Other malignant neoplasms                     | 30  | 1,598.9 (1,188.2, 2,135.1) | 0.008320 (0.0061830, 0.0111104) | 995.2 (700.8, 1,371.7)     | 0.005221 (0.0036768, 0.0071966) |
| Sumatera Barat | Cerebrovascular disease                       | 30  | 1,242.4 (935.0, 1,653.1)   | 0.006465 (0.0048655, 0.0086021) | 694.3 (534.9, 919.4)       | 0.003643 (0.0028065, 0.0048235) |
| Sumatera Barat | Ischemic heart disease                        | 30  | 2,322.3 (1,788.3, 2,965.2) | 0.012084 (0.0093055, 0.0154295) | 779.8 (601.9, 1,013.6)     | 0.004091 (0.0031578, 0.0053176) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 30  | 641.4 (441.0, 893.1)       | 0.003338 (0.0022948, 0.0046472) | 443.9 (324.4, 606.9)       | 0.002329 (0.0017018, 0.0031840) |
| Sumatera Barat | Diabetes mellitus                             | 30  | 408.6 (270.8, 581.9)       | 0.002126 (0.0014091, 0.0030280) | 388.9 (274.7, 524.1)       | 0.002040 (0.0014412, 0.0027499) |
| Sumatera Barat | Chronic kidney disease                        | 30  | 777.5 (549.6, 1,078.1)     | 0.004046 (0.0028598, 0.0056100) | 528.6 (375.5, 732.2)       | 0.002773 (0.0019700, 0.0038413) |
| Sumatera Barat | Cirrhosis                                     | 30  | 1,778.7 (1,299.6, 2,409.3) | 0.009256 (0.0067627, 0.0125370) | 550.1 (392.5, 760.0)       | 0.002886 (0.0020591, 0.0039873) |
| Sumatera Barat | Chronic respiratory diseases                  | 30  | 1,885.2 (1,365.5, 2,549.5) | 0.009810 (0.0071056, 0.0132668) | 907.8 (677.7, 1,225.2)     | 0.004763 (0.0035553, 0.0064282) |
| Sumatera Barat | Other non-communicable diseases               | 30  | 2,291.4 (1,763.6, 3,006.3) | 0.011924 (0.0091772, 0.0156433) | 1,353.2 (1,082.1, 1,746.7) | 0.007099 (0.0056771, 0.0091638) |
| Sumatera Barat | Drowning                                      | 30  | 277.8 (129.9, 499.3)       | 0.001446 (0.0006759, 0.0025983) | 46.1 (21.1, 88.3)          | 0.000242 (0.0001106, 0.0004631) |
| Sumatera Barat | Falls                                         | 30  | 484.2 (283.2, 781.1)       | 0.002519 (0.0014736, 0.0040645) | 115.3 (64.0, 195.3)        | 0.000605 (0.0003358, 0.0010244) |
| Sumatera Barat | Interpersonal violence                        | 30  | 235.5 (143.0, 363.0)       | 0.001225 (0.0007443, 0.0018888) | 108.1 (58.8, 179.0)        | 0.000567 (0.0003086, 0.0009392) |
| Sumatera Barat | Self-harm                                     | 30  | 308.1 (188.2, 468.2)       | 0.001603 (0.0009792, 0.0024365) | 122.9 (75.3, 200.1)        | 0.000645 (0.0003951, 0.0010497) |
| Sumatera Barat | Transport injuries                            | 30  | 4,592.1 (3,499.6, 5,918.7) | 0.023895 (0.0182108, 0.0307988) | 920.7 (664.9, 1,240.4)     | 0.004831 (0.0034885, 0.0065076) |
| Sumatera Barat | Other unintentional injuries                  | 30  | 1,258.3 (841.5, 1,787.4)   | 0.006548 (0.0043790, 0.0093011) | 311.7 (197.4, 472.5)       | 0.001635 (0.0010359, 0.0024789) |
| Sumatera Barat | Diarrheal diseases                            | 35  | 387.4 (236.3, 610.3)       | 0.002175 (0.0013266, 0.0034256) | 266.8 (169.5, 429.5)       | 0.001477 (0.0009386, 0.0023776) |
| Sumatera Barat | HIV/AIDS                                      | 35  | 327.3 (155.2, 610.9)       | 0.001837 (0.0008712, 0.0034288) | 156.6 (71.2, 301.7)        | 0.000867 (0.0003939, 0.0016705) |
| Sumatera Barat | Lower respiratory infections                  | 35  | 464.1 (302.1, 682.8)       | 0.002605 (0.0016954, 0.0038325) | 175.6 (115.3, 263.2)       | 0.000972 (0.0006385, 0.0014573) |
| Sumatera Barat | Malaria                                       | 35  | 61.0 (16.3, 152.9)         | 0.000342 (0.0000913, 0.0008582) | 29.3 (7.5, 70.2)           | 0.000162 (0.0000417, 0.0003887) |
| Sumatera Barat | Tuberculosis                                  | 35  | 3,669.9 (2,818.9, 4,708.4) | 0.020599 (0.0158228, 0.0264284) | 1,324.5 (1,004.3, 1,760.3) | 0.007333 (0.0055598, 0.0097453) |
| Sumatera Barat | Maternal disorders                            | 35  |                            |                                 | 672.7 (425.3, 977.0)       | 0.003724 (0.0023548, 0.0054090) |
| Sumatera Barat | Other communicable diseases                   | 35  | 1,813.0 (1,325.2, 2,441.1) | 0.010177 (0.0074381, 0.0137018) | 859.3 (614.8, 1,183.1)     | 0.004757 (0.0034036, 0.0065501) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 35  | 172.5 (74.9, 332.2)        | 0.000969 (0.0004203, 0.0018644) | 88.0 (42.5, 157.3)         | 0.000487 (0.0002353, 0.0008706) |
| Sumatera Barat | Breast cancer                                 | 35  | 22.0 (6.4, 58.9)           | 0.000124 (0.0000361, 0.0003306) | 1,760.7 (1,298.6, 2,381.5) | 0.009748 (0.0071892, 0.0131847) |
| Sumatera Barat | Cervical cancer                               | 35  |                            |                                 | 515.5 (277.1, 890.4)       | 0.002854 (0.0015340, 0.0049294) |
| Sumatera Barat | Other malignant neoplasms                     | 35  | 2,191.4 (1,669.8, 2,877.0) | 0.012301 (0.0093727, 0.0161485) | 1,144.6 (779.0, 1,581.8)   | 0.006337 (0.0043129, 0.0087574) |
| Sumatera Barat | Cerebrovascular disease                       | 35  | 2,003.6 (1,545.1, 2,643.9) | 0.011246 (0.0086725, 0.0148401) | 1,271.7 (986.1, 1,671.2)   | 0.007041 (0.0054594, 0.0092521) |
| Sumatera Barat | Ischemic heart disease                        | 35  | 3,343.7 (2,624.5, 4,219.9) | 0.018768 (0.0147316, 0.0236865) | 1,273.7 (976.0, 1,632.9)   | 0.007052 (0.0054032, 0.0090402) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 35  | 843.5 (601.9, 1,165.2)     | 0.004735 (0.0033782, 0.0065403) | 638.1 (466.0, 870.4)       | 0.003533 (0.0025798, 0.0048188) |
| Sumatera Barat | Diabetes mellitus                             | 35  | 760.4 (536.1, 1,043.0)     | 0.004268 (0.0030093, 0.0058542) | 768.9 (556.9, 1,039.0)     | 0.004257 (0.0030833, 0.0057524) |
| Sumatera Barat | Chronic kidney disease                        | 35  | 919.3 (663.6, 1,249.5)     | 0.005160 (0.0037245, 0.0070134) | 656.8 (468.5, 899.2)       | 0.003636 (0.0025935, 0.0049781) |
| Sumatera Barat | Cirrhosis                                     | 35  | 2,182.3 (1,641.3, 2,898.5) | 0.012249 (0.0092125, 0.0162695) | 756.9 (550.2, 1,031.7)     | 0.004190 (0.0030463, 0.0057118) |
| Sumatera Barat | Chronic respiratory diseases                  | 35  | 2,246.7 (1,690.6, 2,977.8) | 0.012611 (0.0094892, 0.0167146) | 1,115.3 (819.4, 1,493.8)   | 0.006174 (0.0045363, 0.0082700) |
| Sumatera Barat | Other non-communicable diseases               | 35  | 2,419.4 (1,883.4, 3,142.9) | 0.013580 (0.0105713, 0.0176409) | 1,598.3 (1,266.0, 2,105.8) | 0.008848 (0.0070090, 0.0116583) |
| Sumatera Barat | Drowning                                      | 35  | 328.2 (163.0, 614.2)       | 0.001842 (0.0009148, 0.0034475) | 73.8 (33.5, 141.4)         | 0.000409 (0.0001855, 0.0007827) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Barat | Falls                                         | 35  | 468.9 (276.7, 744.5)       | 0.002632 (0.0015531, 0.0041789) | 143.4 (81.3, 244.0)        | 0.000794 (0.0004503, 0.0013507) |
| Sumatera Barat | Interpersonal violence                        | 35  | 202.9 (121.8, 315.1)       | 0.001139 (0.0006837, 0.0017687) | 103.1 (57.0, 174.5)        | 0.000571 (0.0003155, 0.0009662) |
| Sumatera Barat | Self-harm                                     | 35  | 287.0 (172.4, 442.8)       | 0.001611 (0.0009676, 0.0024854) | 123.9 (75.2, 199.2)        | 0.000686 (0.0004165, 0.0011028) |
| Sumatera Barat | Transport injuries                            | 35  | 3,672.9 (2,787.2, 4,867.1) | 0.020616 (0.0156448, 0.0273189) | 874.1 (619.2, 1,193.2)     | 0.004840 (0.0034279, 0.0066056) |
| Sumatera Barat | Other unintentional injuries                  | 35  | 1,167.6 (764.6, 1,670.9)   | 0.006554 (0.0042915, 0.0093789) | 340.9 (223.2, 538.4)       | 0.001887 (0.0012359, 0.0029807) |
| Sumatera Barat | Diarrheal diseases                            | 40  | 392.6 (247.4, 601.4)       | 0.002469 (0.0015556, 0.0037823) | 319.2 (203.4, 471.9)       | 0.001999 (0.0012738, 0.0029550) |
| Sumatera Barat | HIV/AIDS                                      | 40  | 154.4 (71.5, 294.6)        | 0.000971 (0.0004494, 0.0018528) | 87.3 (38.1, 174.5)         | 0.000547 (0.0002389, 0.0010928) |
| Sumatera Barat | Lower respiratory infections                  | 40  | 407.3 (266.4, 594.7)       | 0.002562 (0.0016754, 0.0037398) | 188.1 (122.3, 278.4)       | 0.001178 (0.0007655, 0.0017434) |
| Sumatera Barat | Malaria                                       | 40  | 60.9 (16.5, 158.0)         | 0.000383 (0.0001037, 0.0009934) | 32.8 (8.0, 76.5)           | 0.000205 (0.0000500, 0.0004793) |
| Sumatera Barat | Tuberculosis                                  | 40  | 3,258.0 (2,569.2, 4,119.5) | 0.020488 (0.0161566, 0.0259062) | 1,351.8 (1,027.6, 1,761.8) | 0.008465 (0.0064349, 0.0110323) |
| Sumatera Barat | Maternal disorders                            | 40  |                            |                                 | 159.7 (88.2, 266.8)        | 0.001000 (0.0005524, 0.0016707) |
| Sumatera Barat | Other communicable diseases                   | 40  | 1,620.4 (1,192.9, 2,185.5) | 0.010190 (0.0075015, 0.0137439) | 921.2 (685.9, 1,231.0)     | 0.005768 (0.0042949, 0.0077084) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 40  | 322.0 (167.1, 563.0)       | 0.002025 (0.0010509, 0.0035404) | 105.4 (51.8, 192.4)        | 0.000660 (0.0003242, 0.0012046) |
| Sumatera Barat | Breast cancer                                 | 40  | 41.8 (14.1, 101.7)         | 0.000263 (0.0000888, 0.0006394) | 2,321.9 (1,704.0, 3,054.0) | 0.014539 (0.0106700, 0.0191235) |
| Sumatera Barat | Cervical cancer                               | 40  |                            |                                 | 619.0 (325.2, 1,059.6)     | 0.003876 (0.0020363, 0.0066352) |
| Sumatera Barat | Other malignant neoplasms                     | 40  | 2,901.4 (2,228.4, 3,779.7) | 0.018246 (0.0140135, 0.0237691) | 1,204.2 (819.9, 1,677.5)   | 0.007540 (0.0051338, 0.0105043) |
| Sumatera Barat | Cerebrovascular disease                       | 40  | 3,276.1 (2,596.0, 4,254.2) | 0.020602 (0.0163255, 0.0267529) | 2,019.8 (1,613.7, 2,615.4) | 0.012648 (0.0101047, 0.0163772) |
| Sumatera Barat | Ischemic heart disease                        | 40  | 5,296.1 (4,256.1, 6,640.0) | 0.033305 (0.0267653, 0.0417568) | 1,966.3 (1,542.2, 2,480.1) | 0.012313 (0.0096572, 0.0155302) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 40  | 1,237.0 (894.3, 1,693.3)   | 0.007779 (0.0056238, 0.0106487) | 889.6 (660.7, 1,193.9)     | 0.005571 (0.0041374, 0.0074758) |
| Sumatera Barat | Diabetes mellitus                             | 40  | 1,637.3 (1,223.7, 2,180.3) | 0.010296 (0.0076953, 0.0137112) | 1,526.2 (1,146.2, 2,036.2) | 0.009557 (0.0071774, 0.0127502) |
| Sumatera Barat | Chronic kidney disease                        | 40  | 1,224.4 (896.4, 1,669.0)   | 0.007700 (0.0056369, 0.0104957) | 807.4 (579.9, 1,106.9)     | 0.005056 (0.0036315, 0.0069312) |
| Sumatera Barat | Cirrhosis                                     | 40  | 2,677.7 (2,028.7, 3,549.1) | 0.016839 (0.0127581, 0.0223192) | 890.4 (638.6, 1,206.7)     | 0.005575 (0.0039988, 0.0075560) |
| Sumatera Barat | Chronic respiratory diseases                  | 40  | 2,713.7 (2,065.4, 3,537.8) | 0.017066 (0.0129885, 0.0222483) | 1,251.6 (936.2, 1,686.6)   | 0.007838 (0.0058626, 0.0105613) |
| Sumatera Barat | Other non-communicable diseases               | 40  | 2,714.0 (2,130.7, 3,538.6) | 0.017068 (0.0133991, 0.0222531) | 1,730.6 (1,352.9, 2,265.7) | 0.010837 (0.0084719, 0.0141872) |
| Sumatera Barat | Drowning                                      | 40  | 148.0 (70.9, 291.2)        | 0.000931 (0.0004460, 0.0018313) | 35.1 (15.2, 71.0)          | 0.000220 (0.0000955, 0.0004448) |
| Sumatera Barat | Falls                                         | 40  | 363.4 (217.2, 578.9)       | 0.002285 (0.0013660, 0.0036405) | 114.4 (65.6, 192.6)        | 0.000717 (0.0004107, 0.0012062) |
| Sumatera Barat | Interpersonal violence                        | 40  | 157.8 (89.0, 253.5)        | 0.000992 (0.0005595, 0.0015940) | 75.3 (38.4, 126.3)         | 0.000472 (0.0002402, 0.0007907) |
| Sumatera Barat | Self-harm                                     | 40  | 257.6 (158.7, 393.2)       | 0.001620 (0.0009980, 0.0024724) | 103.1 (58.9, 164.8)        | 0.000645 (0.0003687, 0.0010322) |
| Sumatera Barat | Transport injuries                            | 40  | 2,734.9 (2,046.3, 3,645.9) | 0.017199 (0.0128684, 0.0229281) | 639.7 (447.7, 887.0)       | 0.004006 (0.0028035, 0.0055541) |
| Sumatera Barat | Other unintentional injuries                  | 40  | 885.6 (578.2, 1,284.8)     | 0.005569 (0.0036364, 0.0080797) | 252.2 (157.6, 393.3)       | 0.001579 (0.0009867, 0.0024628) |
| Sumatera Barat | Diarrheal diseases                            | 45  | 399.1 (258.7, 600.3)       | 0.002822 (0.0018294, 0.0042451) | 413.0 (281.2, 586.4)       | 0.002750 (0.0018725, 0.0039049) |
| Sumatera Barat | HIV/AIDS                                      | 45  | 76.9 (32.9, 158.1)         | 0.000544 (0.0002325, 0.0011183) | 55.7 (22.8, 111.6)         | 0.000371 (0.0001516, 0.0007429) |
| Sumatera Barat | Lower respiratory infections                  | 45  | 465.5 (317.7, 671.6)       | 0.003292 (0.0022471, 0.0047493) | 295.5 (196.1, 425.8)       | 0.001968 (0.0013056, 0.0028354) |
| Sumatera Barat | Malaria                                       | 45  | 52.8 (14.5, 128.8)         | 0.000373 (0.0001029, 0.0009107) | 33.6 (8.5, 81.0)           | 0.000224 (0.0000569, 0.0005395) |
| Sumatera Barat | Tuberculosis                                  | 45  | 3,201.4 (2,519.9, 4,018.4) | 0.022641 (0.0178211, 0.0284182) | 1,699.3 (1,280.5, 2,160.3) | 0.011317 (0.0085273, 0.0143857) |
| Sumatera Barat | Maternal disorders                            | 45  |                            |                                 | 41.1 (17.4, 76.4)          | 0.000274 (0.0001159, 0.0005089) |
| Sumatera Barat | Other communicable diseases                   | 45  | 1,434.4 (1,051.4, 1,925.6) | 0.010144 (0.0074359, 0.0136178) | 1,059.1 (791.2, 1,368.5)   | 0.007053 (0.0052688, 0.0091133) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 45  | 393.8 (218.5, 662.5)       | 0.002785 (0.0015451, 0.0046851) | 141.9 (72.0, 257.5)        | 0.000945 (0.0004796, 0.0017145) |
| Sumatera Barat | Breast cancer                                 | 45  | 53.3 (20.1, 118.2)         | 0.000377 (0.0001423, 0.0008357) | 2,687.0 (1,994.6, 3,549.7) | 0.017893 (0.0132825, 0.0236382) |
| Sumatera Barat | Cervical cancer                               | 45  |                            |                                 | 667.5 (355.3, 1,137.7)     | 0.004445 (0.0023661, 0.0075764) |
| Sumatera Barat | Other malignant neoplasms                     | 45  | 3,033.2 (2,371.2, 3,924.7) | 0.021451 (0.0167693, 0.0277559) | 1,332.7 (927.7, 1,863.4)   | 0.008875 (0.0061777, 0.0124090) |
| Sumatera Barat | Cerebrovascular disease                       | 45  | 4,558.7 (3,669.0, 5,811.4) | 0.032239 (0.0259472, 0.0410989) | 3,480.8 (2,799.7, 4,363.6) | 0.023180 (0.0186440, 0.0290584) |
| Sumatera Barat | Ischemic heart disease                        | 45  | 6,151.7 (5,013.1, 7,550.9) | 0.043505 (0.0354531, 0.0534009) | 2,943.9 (2,348.8, 3,640.5) | 0.019604 (0.0156413, 0.0242432) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 45  | 1,603.1 (1,180.9, 2,167.9) | 0.011337 (0.0083514, 0.0153313) | 1,346.5 (1,006.5, 1,761.8) | 0.008967 (0.0067028, 0.0117325) |
| Sumatera Barat | Diabetes mellitus                             | 45  | 2,572.9 (1,941.7, 3,407.9) | 0.018196 (0.0137320, 0.0241011) | 2,819.0 (2,140.5, 3,647.1) | 0.018773 (0.0142541, 0.0242871) |
| Sumatera Barat | Chronic kidney disease                        | 45  | 1,282.3 (944.2, 1,734.4)   | 0.009068 (0.0066778, 0.0122660) | 990.8 (723.6, 1,329.4)     | 0.006598 (0.0048189, 0.0088532) |
| Sumatera Barat | Cirrhosis                                     | 45  | 2,730.8 (2,086.2, 3,625.7) | 0.019312 (0.0147536, 0.0256412) | 1,121.0 (832.6, 1,474.5)   | 0.007465 (0.0055445, 0.0098188) |
| Sumatera Barat | Chronic respiratory diseases                  | 45  | 3,502.5 (2,724.8, 4,460.8) | 0.024770 (0.0192700, 0.0315471) | 1,844.5 (1,412.7, 2,379.9) | 0.012283 (0.0094077, 0.0158487) |
| Sumatera Barat | Other non-communicable diseases               | 45  | 2,714.4 (2,108.3, 3,513.5) | 0.019197 (0.0149104, 0.0248478) | 2,092.3 (1,655.7, 2,679.8) | 0.013933 (0.0110258, 0.0178458) |
| Sumatera Barat | Drowning                                      | 45  | 99.7 (45.0, 206.6)         | 0.000705 (0.0003185, 0.0014609) | 33.2 (14.7, 68.7)          | 0.000221 (0.0000981, 0.0004576) |
| Sumatera Barat | Falls                                         | 45  | 397.6 (245.4, 645.3)       | 0.002812 (0.0017352, 0.0045639) | 168.8 (100.7, 273.9)       | 0.001124 (0.0006704, 0.0018242) |
| Sumatera Barat | Interpersonal violence                        | 45  | 127.7 (69.8, 203.4)        | 0.000903 (0.0004937, 0.0014381) | 72.2 (37.4, 118.0)         | 0.000481 (0.0002488, 0.0007860) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                    |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Barat | Self-harm                                     | 45  | 235.3         | (146.8, 368.3)      | 0.001664                 | (0.0010381, 0.0026049) | 109.4         | (66.0, 173.1)      | 0.000729                 | (0.0004396, 0.0011530) |
| Sumatera Barat | Transport injuries                            | 45  | 2,682.2       | (2,039.9, 3,485.5)  | 0.018969                 | (0.0144261, 0.0246501) | 811.1         | (573.6, 1,100.9)   | 0.005402                 | (0.0038197, 0.0073313) |
| Sumatera Barat | Other unintentional injuries                  | 45  | 797.8         | (508.3, 1,162.5)    | 0.005642                 | (0.0035951, 0.0082216) | 284.8         | (176.3, 428.7)     | 0.001897                 | (0.0011740, 0.0028548) |
| Sumatera Barat | Diarrheal diseases                            | 50  | 598.3         | (383.4, 853.2)      | 0.004615                 | (0.0029575, 0.0065807) | 589.6         | (401.7, 817.6)     | 0.004366                 | (0.0029746, 0.0060542) |
| Sumatera Barat | HIV/AIDS                                      | 50  | 34.7          | (13.5, 70.9)        | 0.000268                 | (0.0001042, 0.0005467) | 24.4          | (9.1, 52.8)        | 0.000181                 | (0.0000675, 0.0003907) |
| Sumatera Barat | Lower respiratory infections                  | 50  | 641.4         | (432.5, 928.2)      | 0.004947                 | (0.0033359, 0.0071590) | 410.6         | (276.4, 571.2)     | 0.003040                 | (0.0020469, 0.0042293) |
| Sumatera Barat | Malaria                                       | 50  | 57.9          | (16.1, 142.0)       | 0.000447                 | (0.0001245, 0.0010956) | 33.6          | (8.6, 82.9)        | 0.000249                 | (0.0000640, 0.0006136) |
| Sumatera Barat | Tuberculosis                                  | 50  | 3,583.6       | (2,811.4, 4,505.5)  | 0.027641                 | (0.0216846, 0.0347514) | 1,835.0       | (1,418.9, 2,372.3) | 0.013587                 | (0.0105065, 0.0175659) |
| Sumatera Barat | Maternal disorders                            | 50  |               |                     |                          |                        | 20.4          | (6.5, 47.4)        | 0.000151                 | (0.0000480, 0.0003508) |
| Sumatera Barat | Other communicable diseases                   | 50  | 1,654.6       | (1,204.5, 2,168.8)  | 0.012762                 | (0.0092902, 0.0167283) | 1,180.9       | (869.8, 1,551.8)   | 0.008744                 | (0.0064407, 0.0114902) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 50  | 490.1         | (271.2, 837.3)      | 0.003780                 | (0.0020918, 0.0064584) | 155.7         | (81.0, 274.6)      | 0.001153                 | (0.0006000, 0.0020331) |
| Sumatera Barat | Breast cancer                                 | 50  | 54.3          | (23.0, 108.4)       | 0.000419                 | (0.0001777, 0.0008363) | 2,352.7       | (1,706.3, 3,158.2) | 0.017421                 | (0.0126346, 0.0233852) |
| Sumatera Barat | Cervical cancer                               | 50  |               |                     |                          |                        | 625.3         | (323.2, 1,098.6)   | 0.004630                 | (0.0023931, 0.0081344) |
| Sumatera Barat | Other malignant neoplasms                     | 50  | 3,043.2       | (2,331.5, 3,896.6)  | 0.023473                 | (0.0179835, 0.0300548) | 1,394.2       | (952.3, 1,942.1)   | 0.010324                 | (0.0070516, 0.0143803) |
| Sumatera Barat | Cerebrovascular disease                       | 50  | 6,767.8       | (5,394.6, 8,485.4)  | 0.052201                 | (0.0416090, 0.0654486) | 5,095.4       | (4,134.7, 6,396.9) | 0.037729                 | (0.0306160, 0.0473666) |
| Sumatera Barat | Ischemic heart disease                        | 50  | 7,822.5       | (6,234.5, 9,583.6)  | 0.060336                 | (0.0480875, 0.0739194) | 3,774.5       | (3,041.5, 4,734.5) | 0.027949                 | (0.0225213, 0.0350574) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 50  | 2,332.5       | (1,720.5, 3,090.4)  | 0.017991                 | (0.0132703, 0.0238364) | 1,869.4       | (1,387.7, 2,480.0) | 0.013842                 | (0.0102751, 0.0183632) |
| Sumatera Barat | Diabetes mellitus                             | 50  | 3,695.9       | (2,780.0, 4,761.3)  | 0.028507                 | (0.0214426, 0.0367246) | 3,906.7       | (2,990.3, 5,033.8) | 0.028928                 | (0.0221421, 0.0372733) |
| Sumatera Barat | Chronic kidney disease                        | 50  | 1,441.6       | (1,068.9, 1,951.8)  | 0.011119                 | (0.0082445, 0.0150541) | 1,071.7       | (787.4, 1,442.5)   | 0.007936                 | (0.0058304, 0.0106810) |
| Sumatera Barat | Cirrhosis                                     | 50  | 1,139.0       | (2,374.4, 4,104.4)  | 0.024212                 | (0.0183136, 0.0316573) | 1,279.6       | (944.8, 1,709.3)   | 0.009475                 | (0.0069957, 0.0126564) |
| Sumatera Barat | Chronic respiratory diseases                  | 50  | 4,932.4       | (3,842.3, 6,256.6)  | 0.038044                 | (0.0296361, 0.0482578) | 2,471.0       | (1,921.3, 3,128.3) | 0.018297                 | (0.0142267, 0.0231642) |
| Sumatera Barat | Other non-communicable diseases               | 50  | 3,160.3       | (2,425.3, 4,084.4)  | 0.024376                 | (0.0187064, 0.0315036) | 2,373.3       | (1,861.1, 3,048.2) | 0.017573                 | (0.0137811, 0.0225705) |
| Sumatera Barat | Drowning                                      | 50  | 81.4          | (37.2, 165.8)       | 0.000628                 | (0.0002866, 0.0012786) | 28.3          | (12.0, 56.0)       | 0.000210                 | (0.0000885, 0.0004144) |
| Sumatera Barat | Falls                                         | 50  | 500.7         | (309.9, 768.8)      | 0.003862                 | (0.0023901, 0.0059302) | 215.2         | (130.2, 345.9)     | 0.001593                 | (0.0009642, 0.0025615) |
| Sumatera Barat | Interpersonal violence                        | 50  | 105.4         | (59.3, 162.7)       | 0.000813                 | (0.0004577, 0.0012551) | 55.6          | (29.7, 89.4)       | 0.000412                 | (0.0002199, 0.0006623) |
| Sumatera Barat | Self-harm                                     | 50  | 214.7         | (134.6, 339.2)      | 0.001656                 | (0.0010383, 0.0026160) | 91.9          | (54.8, 145.9)      | 0.000680                 | (0.0004054, 0.0010805) |
| Sumatera Barat | Transport injuries                            | 50  | 2,321.4       | (1,718.6, 3,120.6)  | 0.017905                 | (0.0132560, 0.0240692) | 686.8         | (492.8, 925.8)     | 0.005085                 | (0.0036487, 0.0068551) |
| Sumatera Barat | Other unintentional injuries                  | 50  | 705.1         | (449.5, 999.8)      | 0.005438                 | (0.0034669, 0.0077117) | 243.1         | (150.5, 363.9)     | 0.001800                 | (0.0011143, 0.0026944) |
| Sumatera Barat | Diarrheal diseases                            | 55  | 623.6         | (407.4, 893.8)      | 0.006165                 | (0.0040282, 0.0088372) | 595.2         | (402.7, 829.1)     | 0.005994                 | (0.0040554, 0.0083498) |
| Sumatera Barat | HIV/AIDS                                      | 55  | 13.5          | (4.6, 30.1)         | 0.000134                 | (0.0000456, 0.0002975) | 9.2           | (3.2, 21.2)        | 0.000093                 | (0.0000323, 0.0002131) |
| Sumatera Barat | Lower respiratory infections                  | 55  | 620.1         | (429.8, 869.3)      | 0.006131                 | (0.0042497, 0.0085950) | 386.8         | (260.2, 541.2)     | 0.003895                 | (0.0026201, 0.0054503) |
| Sumatera Barat | Malaria                                       | 55  | 55.6          | (15.1, 133.8)       | 0.000549                 | (0.0001489, 0.0013227) | 30.7          | (8.0, 72.1)        | 0.000310                 | (0.0000803, 0.0007261) |
| Sumatera Barat | Tuberculosis                                  | 55  | 3,034.4       | (2,337.1, 3,833.9)  | 0.030001                 | (0.0231067, 0.0379054) | 1,479.9       | (1,128.5, 1,878.9) | 0.014904                 | (0.0113648, 0.0189225) |
| Sumatera Barat | Other communicable diseases                   | 55  | 1,500.6       | (1,107.9, 1,976.9)  | 0.014837                 | (0.0109537, 0.0195457) | 1,044.4       | (768.5, 1,376.7)   | 0.010518                 | (0.0077400, 0.0138644) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 55  | 484.5         | (269.2, 832.1)      | 0.004790                 | (0.0026612, 0.0082264) | 119.3         | (63.5, 211.2)      | 0.001201                 | (0.0006391, 0.0021271) |
| Sumatera Barat | Breast cancer                                 | 55  | 41.9          | (19.8, 78.4)        | 0.000414                 | (0.0001962, 0.0007749) | 1,706.3       | (1,226.4, 2,293.2) | 0.017184                 | (0.0123507, 0.0230947) |
| Sumatera Barat | Cervical cancer                               | 55  |               |                     |                          |                        | 401.9         | (205.7, 715.8)     | 0.004047                 | (0.0020717, 0.0072085) |
| Sumatera Barat | Other malignant neoplasms                     | 55  | 2,240.5       | (1,692.8, 2,931.1)  | 0.022152                 | (0.0167367, 0.0289797) | 1,161.5       | (799.5, 1,636.2)   | 0.011698                 | (0.0080518, 0.0164779) |
| Sumatera Barat | Cerebrovascular disease                       | 55  | 7,802.5       | (6,212.3, 9,709.8)  | 0.077142                 | (0.0614198, 0.0959987) | 5,761.5       | (4,677.4, 7,198.8) | 0.058024                 | (0.0471058, 0.0724993) |
| Sumatera Barat | Ischemic heart disease                        | 55  | 8,813.2       | (7,058.6, 10,827.6) | 0.087135                 | (0.0697874, 0.1070511) | 4,149.1       | (3,312.6, 5,129.2) | 0.041785                 | (0.0333612, 0.0516560) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 55  | 2,581.6       | (1,920.8, 3,336.3)  | 0.025524                 | (0.0189906, 0.0329859) | 2,031.6       | (1,522.0, 2,665.5) | 0.020460                 | (0.0153278, 0.0268447) |
| Sumatera Barat | Diabetes mellitus                             | 55  | 3,851.4       | (2,920.6, 4,939.0)  | 0.038078                 | (0.0288760, 0.0488314) | 3,977.5       | (3,053.7, 5,005.8) | 0.040057                 | (0.0307538, 0.0504131) |
| Sumatera Barat | Chronic kidney disease                        | 55  | 1,372.6       | (1,019.6, 1,849.1)  | 0.013571                 | (0.0100807, 0.0182819) | 995.5         | (714.7, 1,346.4)   | 0.010025                 | (0.0071978, 0.0135596) |
| Sumatera Barat | Cirrhosis                                     | 55  | 2,754.7       | (2,049.6, 3,617.5)  | 0.027236                 | (0.0202644, 0.0357654) | 1,105.2       | (822.8, 1,474.7)   | 0.011130                 | (0.0082861, 0.0148516) |
| Sumatera Barat | Chronic respiratory diseases                  | 55  | 5,017.0       | (3,910.7, 6,330.1)  | 0.049602                 | (0.0386646, 0.0625847) | 2,474.8       | (1,934.3, 3,155.0) | 0.024924                 | (0.0194805, 0.0317743) |
| Sumatera Barat | Other non-communicable diseases               | 55  | 3,213.2       | (2,446.0, 4,133.4)  | 0.031769                 | (0.0241834, 0.0408664) | 2,373.6       | (1,869.3, 3,056.3) | 0.023905                 | (0.0188260, 0.0307802) |
| Sumatera Barat | Drowning                                      | 55  | 56.1          | (23.8, 115.9)       | 0.000555                 | (0.0002349, 0.0011462) | 18.9          | (7.5, 39.5)        | 0.000191                 | (0.0000751, 0.0003980) |
| Sumatera Barat | Falls                                         | 55  | 511.7         | (322.0, 782.8)      | 0.005059                 | (0.0031839, 0.0077398) | 211.8         | (130.5, 343.6)     | 0.002133                 | (0.0013139, 0.0034602) |
| Sumatera Barat | Interpersonal violence                        | 55  | 80.1          | (42.0, 129.2)       | 0.000792                 | (0.0004149, 0.0012774) | 39.3          | (21.5, 64.9)       | 0.000396                 | (0.0002161, 0.0006541) |
| Sumatera Barat | Self-harm                                     | 55  | 187.1         | (113.5, 293.3)      | 0.001850                 | (0.0011226, 0.0028996) | 74.3          | (44.5, 115.0)      | 0.000748                 | (0.0004484, 0.0011582) |
| Sumatera Barat | Transport injuries                            | 55  | 1,489.9       | (1,080.6, 2,047.4)  | 0.014731                 | (0.0106837, 0.0202422) | 416.3         | (292.1, 575.7)     | 0.004193                 | (0.0029418, 0.0057978) |
| Sumatera Barat | Other unintentional injuries                  | 55  | 552.6         | (341.9, 790.4)      | 0.005464                 | (0.0033799, 0.0078148) | 180.2         | (110.0, 274.3)     | 0.001815                 | (0.0011078, 0.0027627) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Barat | Diarrheal diseases                            | 60  | 587.9 (397.8, 830.7)       | 0.009903 (0.0067009, 0.0139918) | 581.4 (405.8, 776.4)       | 0.008977 (0.0062651, 0.0119873) |
| Sumatera Barat | HIV/AIDS                                      | 60  | 7.3 (2.1, 17.1)            | 0.000124 (0.0000354, 0.0002876) | 5.4 (1.7, 12.7)            | 0.000083 (0.0000261, 0.0001961) |
| Sumatera Barat | Lower respiratory infections                  | 60  | 628.6 (435.6, 859.1)       | 0.010587 (0.0073363, 0.0144711) | 446.9 (310.3, 607.0)       | 0.006899 (0.0047907, 0.0093717) |
| Sumatera Barat | Malaria                                       | 60  | 51.8 (15.0, 123.6)         | 0.000873 (0.0002524, 0.0020811) | 28.2 (7.2, 67.1)           | 0.000435 (0.0001110, 0.0010359) |
| Sumatera Barat | Tuberculosis                                  | 60  | 2,826.8 (2,173.7, 3,529.0) | 0.047614 (0.0366131, 0.0594411) | 1,500.7 (1,187.7, 1,856.3) | 0.023170 (0.0183367, 0.0286590) |
| Sumatera Barat | Other communicable diseases                   | 60  | 999.0 (716.8, 1,338.1)     | 0.016827 (0.0120740, 0.0225386) | 731.5 (542.3, 968.0)       | 0.011294 (0.0083730, 0.0149441) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 60  | 364.9 (199.9, 627.9)       | 0.006146 (0.0033675, 0.0105761) | 90.6 (48.3, 164.6)         | 0.001399 (0.0007457, 0.0025405) |
| Sumatera Barat | Breast cancer                                 | 60  | 31.2 (14.8, 59.0)          | 0.000526 (0.0002499, 0.0009935) | 1,060.1 (768.9, 1,403.9)   | 0.016367 (0.0118703, 0.0216742) |
| Sumatera Barat | Cervical cancer                               | 60  |                            |                                 | 262.3 (131.6, 448.3)       | 0.004049 (0.0020324, 0.0069218) |
| Sumatera Barat | Other malignant neoplasms                     | 60  | 1,668.1 (1,260.2, 2,161.5) | 0.028096 (0.0212257, 0.0364078) | 979.5 (705.1, 1,301.2)     | 0.015123 (0.0108862, 0.0200893) |
| Sumatera Barat | Cerebrovascular disease                       | 60  | 6,727.9 (5,307.2, 8,237.3) | 0.113322 (0.0893932, 0.1387452) | 5,381.6 (4,461.9, 6,538.5) | 0.083086 (0.0688872, 0.1009471) |
| Sumatera Barat | Ischemic heart disease                        | 60  | 6,916.1 (5,413.4, 8,366.8) | 0.116492 (0.0911818, 0.1409268) | 3,671.3 (3,003.7, 4,407.7) | 0.056681 (0.0463732, 0.0680502) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 60  | 2,294.2 (1,712.5, 2,930.2) | 0.038643 (0.0288455, 0.0493545) | 1,859.0 (1,433.0, 2,394.7) | 0.028701 (0.0221236, 0.0369716) |
| Sumatera Barat | Diabetes mellitus                             | 60  | 2,750.1 (2,101.8, 3,520.1) | 0.046322 (0.0354019, 0.0592915) | 3,032.0 (2,368.5, 3,785.3) | 0.046810 (0.0365665, 0.0584414) |
| Sumatera Barat | Chronic kidney disease                        | 60  | 1,025.6 (758.8, 1,350.4)   | 0.017275 (0.0127804, 0.0227454) | 778.7 (571.7, 1,031.5)     | 0.012022 (0.0088267, 0.0159249) |
| Sumatera Barat | Cirrhosis                                     | 60  | 1,834.4 (1,370.8, 2,386.4) | 0.030898 (0.0230891, 0.0401954) | 799.9 (593.8, 1,041.4)     | 0.012349 (0.0091669, 0.0160788) |
| Sumatera Barat | Chronic respiratory diseases                  | 60  | 5,368.9 (4,257.0, 6,612.8) | 0.090431 (0.0717028, 0.1113829) | 2,751.5 (2,216.7, 3,384.5) | 0.042481 (0.0342228, 0.0522533) |
| Sumatera Barat | Other non-communicable diseases               | 60  | 2,865.6 (2,184.0, 3,636.7) | 0.048268 (0.0367860, 0.0612558) | 2,240.3 (1,796.5, 2,777.8) | 0.034587 (0.0277363, 0.0428857) |
| Sumatera Barat | Drowning                                      | 60  | 29.2 (11.2, 63.1)          | 0.000492 (0.0001892, 0.0010635) | 11.5 (4.1, 24.9)           | 0.000178 (0.0000637, 0.0003844) |
| Sumatera Barat | Falls                                         | 60  | 310.2 (182.0, 465.0)       | 0.005224 (0.0030647, 0.0078318) | 145.3 (87.6, 225.5)        | 0.002244 (0.0013527, 0.0034808) |
| Sumatera Barat | Interpersonal violence                        | 60  | 44.7 (21.8, 74.3)          | 0.000753 (0.0003676, 0.0012519) | 22.6 (11.4, 38.6)          | 0.000349 (0.0001755, 0.0005960) |
| Sumatera Barat | Self-harm                                     | 60  | 120.6 (72.5, 190.0)        | 0.002031 (0.0012215, 0.0032009) | 48.5 (28.2, 74.9)          | 0.000748 (0.0004361, 0.0011563) |
| Sumatera Barat | Transport injuries                            | 60  | 925.3 (674.1, 1,247.7)     | 0.015585 (0.0113536, 0.0210156) | 284.7 (202.4, 383.2)       | 0.004396 (0.0031243, 0.0059162) |
| Sumatera Barat | Other unintentional injuries                  | 60  | 342.8 (215.3, 512.7)       | 0.005775 (0.0036264, 0.0086357) | 120.0 (73.9, 185.6)        | 0.001853 (0.0011410, 0.0028658) |
| Sumatera Barat | Diarrheal diseases                            | 65  | 869.0 (585.1, 1,172.7)     | 0.019246 (0.0129583, 0.0259721) | 1,013.0 (749.0, 1,325.4)   | 0.017623 (0.0130294, 0.0230573) |
| Sumatera Barat | HIV/AIDS                                      | 65  | 6.0 (1.9, 14.0)            | 0.000134 (0.0000411, 0.0003105) | 5.3 (1.7, 12.6)            | 0.000093 (0.0000295, 0.0002190) |
| Sumatera Barat | Lower respiratory infections                  | 65  | 616.7 (422.3, 851.4)       | 0.013660 (0.0093532, 0.0188568) | 543.0 (383.1, 726.2)       | 0.009447 (0.0066637, 0.0126331) |
| Sumatera Barat | Malaria                                       | 65  | 49.8 (13.6, 120.2)         | 0.001102 (0.0003009, 0.0026626) | 30.5 (7.7, 73.7)           | 0.000531 (0.0001346, 0.0012827) |
| Sumatera Barat | Tuberculosis                                  | 65  | 2,615.6 (1,993.6, 3,267.6) | 0.057930 (0.0441534, 0.0723705) | 1,637.4 (1,284.0, 2,027.4) | 0.028485 (0.0223366, 0.0352695) |
| Sumatera Barat | Other communicable diseases                   | 65  | 854.8 (592.1, 1,170.7)     | 0.018932 (0.0131149, 0.0259292) | 749.9 (540.4, 983.9)       | 0.013045 (0.0094016, 0.0171160) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 65  | 301.4 (157.2, 529.7)       | 0.006675 (0.0034819, 0.0117314) | 75.1 (39.4, 139.4)         | 0.001307 (0.0006858, 0.0024248) |
| Sumatera Barat | Breast cancer                                 | 65  | 24.3 (9.9, 47.6)           | 0.000538 (0.0002182, 0.0010534) | 832.4 (577.8, 1,145.1)     | 0.014481 (0.0100519, 0.0199206) |
| Sumatera Barat | Cervical cancer                               | 65  |                            |                                 | 206.1 (99.8, 363.7)        | 0.003585 (0.0017356, 0.0063276) |
| Sumatera Barat | Other malignant neoplasms                     | 65  | 1,189.9 (893.2, 1,540.2)   | 0.026354 (0.0197829, 0.0341118) | 1,013.4 (732.5, 1,347.6)   | 0.017629 (0.0127434, 0.0234438) |
| Sumatera Barat | Cerebrovascular disease                       | 65  | 6,331.8 (4,924.6, 7,822.9) | 0.140237 (0.1090699, 0.1732603) | 6,291.7 (5,206.7, 7,641.4) | 0.109452 (0.0905767, 0.1329328) |
| Sumatera Barat | Ischemic heart disease                        | 65  | 6,154.9 (4,791.8, 7,536.0) | 0.136320 (0.1061284, 0.1669063) | 3,991.7 (3,255.6, 4,799.6) | 0.069441 (0.0566361, 0.0834955) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 65  | 2,310.0 (1,734.1, 2,961.0) | 0.051162 (0.0384069, 0.0655811) | 2,297.8 (1,792.2, 2,956.8) | 0.039973 (0.0311771, 0.0514373) |
| Sumatera Barat | Diabetes mellitus                             | 65  | 2,012.5 (1,494.1, 2,590.4) | 0.044572 (0.0330914, 0.0573720) | 2,762.8 (2,154.2, 3,466.9) | 0.048062 (0.0374746, 0.0603113) |
| Sumatera Barat | Chronic kidney disease                        | 65  | 884.8 (643.7, 1,183.0)     | 0.019596 (0.0142574, 0.0262010) | 820.4 (600.2, 1,086.4)     | 0.014273 (0.0104421, 0.0188986) |
| Sumatera Barat | Cirrhosis                                     | 65  | 1,279.4 (937.5, 1,682.2)   | 0.028337 (0.0207633, 0.0372574) | 702.1 (519.7, 910.2)       | 0.012213 (0.0090407, 0.0158334) |
| Sumatera Barat | Chronic respiratory diseases                  | 65  | 5,258.5 (4,091.2, 6,455.5) | 0.116465 (0.0906108, 0.1429772) | 3,353.8 (2,723.6, 4,091.7) | 0.058344 (0.0473812, 0.0711810) |
| Sumatera Barat | Other non-communicable diseases               | 65  | 2,910.9 (2,218.9, 3,644.2) | 0.064470 (0.0491431, 0.0807106) | 2,811.5 (2,277.8, 3,491.2) | 0.048909 (0.0396259, 0.0607337) |
| Sumatera Barat | Drowning                                      | 65  | 19.1 (6.8, 42.1)           | 0.000424 (0.0001509, 0.0009332) | 9.9 (3.4, 20.9)            | 0.000172 (0.0000590, 0.0003642) |
| Sumatera Barat | Falls                                         | 65  | 268.1 (162.8, 412.6)       | 0.005938 (0.0036067, 0.0091389) | 160.5 (98.2, 254.3)        | 0.002793 (0.0017087, 0.0044246) |
| Sumatera Barat | Interpersonal violence                        | 65  | 31.5 (14.0, 59.2)          | 0.000697 (0.0003090, 0.0013103) | 18.7 (8.6, 35.4)           | 0.000325 (0.0001505, 0.0006160) |
| Sumatera Barat | Self-harm                                     | 65  | 98.3 (56.0, 157.7)         | 0.002178 (0.0012411, 0.0034930) | 45.9 (26.1, 73.4)          | 0.000799 (0.0004543, 0.0012764) |
| Sumatera Barat | Transport injuries                            | 65  | 651.1 (445.2, 897.9)       | 0.014421 (0.0098600, 0.0198862) | 250.1 (170.3, 350.3)       | 0.004352 (0.0029627, 0.0060938) |
| Sumatera Barat | Other unintentional injuries                  | 65  | 270.9 (170.0, 408.4)       | 0.006000 (0.0037647, 0.0090457) | 115.8 (72.9, 173.7)        | 0.002015 (0.0012683, 0.0030210) |
| Sumatera Barat | Diarrheal diseases                            | 70  | 1,257.9 (909.1, 1,635.6)   | 0.035229 (0.0254598, 0.0458069) | 1,581.3 (1,228.2, 1,980.7) | 0.030847 (0.0239588, 0.0386366) |
| Sumatera Barat | HIV/AIDS                                      | 70  | 7.8 (2.5, 19.2)            | 0.000220 (0.0000703, 0.0005384) | 7.8 (2.8, 18.7)            | 0.000152 (0.0000555, 0.0003653) |
| Sumatera Barat | Lower respiratory infections                  | 70  | 772.7 (538.0, 1,070.9)     | 0.021640 (0.0150664, 0.0299921) | 792.2 (573.6, 1,039.7)     | 0.015452 (0.0111897, 0.0202820) |
| Sumatera Barat | Malaria                                       | 70  | 46.5 (12.9, 110.5)         | 0.001303 (0.0003614, 0.0030955) | 30.4 (8.3, 71.6)           | 0.000594 (0.0001622, 0.0013960) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Barat | Tuberculosis                                  | 70  | 2,600.5       | (1,955.0, 3,247.8) | 0.072830                 | (0.0547506, 0.0909582) | 1,890.6       | (1,489.6, 2,282.2) | 0.036879                 | (0.0290574, 0.0445172) |
| Sumatera Barat | Other communicable diseases                   | 70  | 920.8         | (648.3, 1,240.5)   | 0.025787                 | (0.0181551, 0.0347412) | 876.9         | (630.0, 1,143.1)   | 0.017105                 | (0.0122897, 0.0222972) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 70  | 224.4         | (118.6, 396.1)     | 0.006284                 | (0.0033219, 0.0110928) | 70.3          | (36.9, 129.7)      | 0.001371                 | (0.0007205, 0.0025303) |
| Sumatera Barat | Breast cancer                                 | 70  | 17.3          | (5.6, 36.5)        | 0.000483                 | (0.0001563, 0.0010228) | 580.5         | (398.9, 816.1)     | 0.011324                 | (0.0077803, 0.0159196) |
| Sumatera Barat | Cervical cancer                               | 70  |               |                    |                          |                        | 137.9         | (67.8, 245.4)      | 0.002690                 | (0.0013229, 0.0047868) |
| Sumatera Barat | Other malignant neoplasms                     | 70  | 903.1         | (659.0, 1,181.8)   | 0.025293                 | (0.0184557, 0.0330979) | 936.7         | (681.5, 1,225.3)   | 0.018273                 | (0.0132929, 0.0239015) |
| Sumatera Barat | Cerebrovascular disease                       | 70  | 6,345.5       | (4,973.1, 7,805.4) | 0.177714                 | (0.1392772, 0.2185988) | 7,501.6       | (6,342.9, 8,837.6) | 0.146332                 | (0.1237288, 0.1723916) |
| Sumatera Barat | Ischemic heart disease                        | 70  | 5,746.1       | (4,485.6, 6,967.6) | 0.160925                 | (0.1256238, 0.1951353) | 4,655.0       | (3,866.3, 5,456.8) | 0.090803                 | (0.0754192, 0.1064446) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 70  | 2,486.3       | (1,836.8, 3,166.0) | 0.069631                 | (0.0514411, 0.0886662) | 2,839.6       | (2,236.4, 3,514.3) | 0.055391                 | (0.0436241, 0.0685522) |
| Sumatera Barat | Diabetes mellitus                             | 70  | 1,462.6       | (1,085.4, 1,875.6) | 0.040963                 | (0.0303976, 0.0525270) | 2,394.0       | (1,893.2, 2,977.2) | 0.046699                 | (0.0369294, 0.0580756) |
| Sumatera Barat | Chronic kidney disease                        | 70  | 752.7         | (546.8, 1,021.5)   | 0.021080                 | (0.0153125, 0.0286075) | 821.5         | (615.0, 1,078.3)   | 0.016024                 | (0.0119976, 0.0210340) |
| Sumatera Barat | Cirrhosis                                     | 70  | 1,051.5       | (772.9, 1,379.9)   | 0.029449                 | (0.0216465, 0.0386447) | 683.8         | (520.7, 884.8)     | 0.013338                 | (0.0101570, 0.0172598) |
| Sumatera Barat | Chronic respiratory diseases                  | 70  | 6,122.2       | (4,752.0, 7,438.5) | 0.171459                 | (0.1330842, 0.2083243) | 4,510.3       | (3,735.1, 5,300.8) | 0.087981                 | (0.0728585, 0.1034003) |
| Sumatera Barat | Other non-communicable diseases               | 70  | 3,150.9       | (2,385.8, 3,978.7) | 0.088245                 | (0.0668177, 0.1114292) | 3,560.6       | (2,944.2, 4,261.4) | 0.069455                 | (0.0574314, 0.0831248) |
| Sumatera Barat | Drowning                                      | 70  | 30.9          | (12.5, 66.4)       | 0.000866                 | (0.0003505, 0.0018600) | 18.7          | (7.9, 37.8)        | 0.000365                 | (0.0001537, 0.0007376) |
| Sumatera Barat | Falls                                         | 70  | 286.2         | (175.8, 431.5)     | 0.008015                 | (0.0049247, 0.0120860) | 199.8         | (128.6, 294.4)     | 0.003898                 | (0.0025080, 0.0057436) |
| Sumatera Barat | Interpersonal violence                        | 70  | 21.9          | (8.9, 42.2)        | 0.000612                 | (0.0002502, 0.0011814) | 14.9          | (6.6, 29.0)        | 0.000290                 | (0.0001280, 0.0005662) |
| Sumatera Barat | Self-harm                                     | 70  | 81.2          | (43.9, 134.0)      | 0.002275                 | (0.0012284, 0.0037532) | 43.1          | (23.3, 68.4)       | 0.000842                 | (0.0004547, 0.0013345) |
| Sumatera Barat | Transport injuries                            | 70  | 596.5         | (410.1, 815.4)     | 0.016706                 | (0.0114860, 0.0228353) | 265.4         | (187.1, 357.6)     | 0.005178                 | (0.0036504, 0.0069753) |
| Sumatera Barat | Other unintentional injuries                  | 70  | 254.9         | (155.1, 373.3)     | 0.007138                 | (0.0043450, 0.0104548) | 125.7         | (77.2, 192.6)      | 0.002452                 | (0.0015052, 0.0037562) |
| Sumatera Barat | Diarrheal diseases                            | 75  | 887.6         | (638.3, 1,167.5)   | 0.046204                 | (0.0332270, 0.0607717) | 1,399.0       | (1,107.8, 1,717.7) | 0.044596                 | (0.0353112, 0.0547531) |
| Sumatera Barat | HIV/AIDS                                      | 75  | 3.6           | (1.0, 8.8)         | 0.000185                 | (0.0000539, 0.0004606) | 4.4           | (1.5, 10.3)        | 0.000140                 | (0.0000488, 0.0003288) |
| Sumatera Barat | Lower respiratory infections                  | 75  | 468.2         | (320.3, 663.2)     | 0.024370                 | (0.0166709, 0.0345244) | 611.9         | (433.7, 795.4)     | 0.019504                 | (0.0138230, 0.0253532) |
| Sumatera Barat | Malaria                                       | 75  | 29.0          | (8.0, 73.4)        | 0.001509                 | (0.0004149, 0.0038226) | 23.0          | (5.8, 54.6)        | 0.000733                 | (0.0001864, 0.0017413) |
| Sumatera Barat | Tuberculosis                                  | 75  | 1,322.4       | (974.8, 1,682.6)   | 0.068837                 | (0.0507398, 0.0875861) | 1,179.4       | (922.9, 1,457.7)   | 0.037595                 | (0.0294175, 0.0464646) |
| Sumatera Barat | Other communicable diseases                   | 75  | 518.3         | (347.1, 713.4)     | 0.026980                 | (0.0180699, 0.0371365) | 626.3         | (450.3, 831.5)     | 0.019965                 | (0.0143529, 0.0265037) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 75  | 108.0         | (54.5, 193.9)      | 0.005624                 | (0.0028343, 0.0100943) | 40.4          | (19.8, 74.6)       | 0.001286                 | (0.0006309, 0.0023765) |
| Sumatera Barat | Breast cancer                                 | 75  | 6.8           | (2.0, 15.4)        | 0.000352                 | (0.0001021, 0.0008019) | 285.1         | (181.0, 410.6)     | 0.009088                 | (0.0057704, 0.0130893) |
| Sumatera Barat | Cervical cancer                               | 75  |               |                    |                          |                        | 64.0          | (29.9, 119.4)      | 0.002040                 | (0.0009534, 0.0038053) |
| Sumatera Barat | Other malignant neoplasms                     | 75  | 409.4         | (294.8, 552.0)     | 0.021310                 | (0.0153470, 0.0287348) | 605.6         | (435.4, 789.3)     | 0.019303                 | (0.0138775, 0.0251593) |
| Sumatera Barat | Cerebrovascular disease                       | 75  | 3,702.2       | (2,840.1, 4,618.3) | 0.192713                 | (0.1478384, 0.2403984) | 5,705.3       | (4,824.2, 6,603.2) | 0.181860                 | (0.1537750, 0.2104821) |
| Sumatera Barat | Ischemic heart disease                        | 75  | 3,656.0       | (2,753.8, 4,541.1) | 0.190309                 | (0.1433444, 0.2363815) | 3,840.7       | (3,206.1, 4,450.7) | 0.122426                 | (0.1021981, 0.1418694) |
| Sumatera Barat | Other cardiovascular and circulatory diseases | 75  | 1,506.0       | (1,080.4, 1,946.2) | 0.078392                 | (0.0562374, 0.1013069) | 2,213.0       | (1,739.9, 2,731.5) | 0.070541                 | (0.0554598, 0.0870677) |
| Sumatera Barat | Diabetes mellitus                             | 75  | 726.1         | (527.3, 962.8)     | 0.037794                 | (0.0274500, 0.0501179) | 1,532.9       | (1,211.0, 1,933.3) | 0.048864                 | (0.0386016, 0.0616261) |
| Sumatera Barat | Chronic kidney disease                        | 75  | 401.9         | (282.9, 556.0)     | 0.020919                 | (0.0147265, 0.0289395) | 558.2         | (413.0, 730.9)     | 0.017793                 | (0.0131632, 0.0232971) |
| Sumatera Barat | Cirrhosis                                     | 75  | 538.1         | (378.5, 728.0)     | 0.028011                 | (0.0197041, 0.0378933) | 456.4         | (345.5, 591.6)     | 0.014548                 | (0.0110125, 0.0188564) |
| Sumatera Barat | Chronic respiratory diseases                  | 75  | 3,547.4       | (2,692.9, 4,370.7) | 0.184656                 | (0.1401730, 0.2275110) | 3,321.3       | (2,752.7, 3,869.3) | 0.105869                 | (0.0877435, 0.1233380) |
| Sumatera Barat | Other non-communicable diseases               | 75  | 2,117.6       | (1,556.5, 2,684.2) | 0.110229                 | (0.0810197, 0.1397243) | 3,093.3       | (2,568.2, 3,651.1) | 0.098600                 | (0.0818642, 0.1163803) |
| Sumatera Barat | Drowning                                      | 75  | 25.3          | (9.3, 56.3)        | 0.001316                 | (0.0004824, 0.0029320) | 20.0          | (8.1, 42.4)        | 0.000639                 | (0.0002569, 0.0013511) |
| Sumatera Barat | Falls                                         | 75  | 201.9         | (121.5, 302.7)     | 0.010511                 | (0.0063227, 0.0157551) | 181.9         | (117.0, 262.8)     | 0.005799                 | (0.0037283, 0.0083771) |
| Sumatera Barat | Interpersonal violence                        | 75  | 10.4          | (3.0, 26.0)        | 0.000542                 | (0.0001565, 0.0013533) | 8.6           | (2.8, 21.3)        | 0.000274                 | (0.0000908, 0.0006802) |
| Sumatera Barat | Self-harm                                     | 75  | 47.3          | (23.0, 85.0)       | 0.002463                 | (0.0011991, 0.0044228) | 30.3          | (15.1, 51.8)       | 0.000965                 | (0.0004805, 0.0016522) |
| Sumatera Barat | Transport injuries                            | 75  | 264.2         | (163.3, 387.7)     | 0.013750                 | (0.0085010, 0.0201830) | 148.9         | (95.6, 214.0)      | 0.004748                 | (0.0030478, 0.0068206) |
| Sumatera Barat | Other unintentional injuries                  | 75  | 147.2         | (85.8, 236.5)      | 0.007662                 | (0.0044667, 0.0123106) | 90.7          | (54.7, 140.3)      | 0.002890                 | (0.0017438, 0.0044707) |
| Sumatera Barat | Diarrheal diseases                            | 80  | 1,692.9       | (1,323.1, 2,055.1) | 0.111681                 | (0.0872897, 0.1355776) | 3,738.3       | (3,130.7, 4,339.1) | 0.115402                 | (0.0966435, 0.1339468) |
| Sumatera Barat | HIV/AIDS                                      | 80  | 4.1           | (1.1, 11.3)        | 0.000268                 | (0.0000701, 0.0007451) | 7.5           | (2.1, 20.7)        | 0.000232                 | (0.0000650, 0.0006376) |
| Sumatera Barat | Lower respiratory infections                  | 80  | 613.0         | (437.3, 833.8)     | 0.040444                 | (0.0288519, 0.0550065) | 1,226.1       | (892.1, 1,584.4)   | 0.037849                 | (0.0275395, 0.0489090) |
| Sumatera Barat | Malaria                                       | 80  | 35.4          | (9.2, 100.9)       | 0.002332                 | (0.0006051, 0.0066545) | 39.9          | (9.8, 105.4)       | 0.001232                 | (0.0003025, 0.0032533) |
| Sumatera Barat | Tuberculosis                                  | 80  | 1,334.3       | (1,051.5, 1,638.4) | 0.088023                 | (0.0693721, 0.1080910) | 1,868.2       | (1,482.9, 2,281.6) | 0.057672                 | (0.0457785, 0.0704332) |
| Sumatera Barat | Other communicable diseases                   | 80  | 675.4         | (479.2, 911.3)     | 0.044554                 | (0.0316161, 0.0601223) | 1,146.8       | (839.2, 1,550.6)   | 0.035400                 | (0.0259056, 0.0478678) |
| Sumatera Barat | Tracheal, bronchus, and lung cancer           | 80  | 91.5          | (45.9, 171.7)      | 0.006035                 | (0.0030284, 0.0113302) | 55.7          | (25.9, 104.8)      | 0.001721                 | (0.0007999, 0.0032362) |
| Sumatera Barat | Breast cancer                                 | 80  | 5.4           | (1.4, 13.4)        | 0.000358                 | (0.0000956, 0.0008822) | 300.6         | (171.6, 477.9)     | 0.009279                 | (0.0052983, 0.0147538) |



Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                         |                                  | Females                       |                                  |
|----------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)         | YLLs (95% UI)                 | YLLs per capita (95% UI)         |
| Sumatera Barat | Cervical cancer                                          | 80  |                               |                                  | 64.5 (25.0, 132.4)            | 0.001991 (0.0007704, 0.0040875)  |
| Sumatera Barat | Other malignant neoplasms                                | 80  | 362.5 (266.7, 476.6)          | 0.023913 (0.0175962, 0.0314407)  | 781.2 (565.2, 1,056.0)        | 0.024115 (0.0174466, 0.0325974)  |
| Sumatera Barat | Cerebrovascular disease                                  | 80  | 4,053.3 (3,383.0, 4,749.1)    | 0.267401 (0.2231832, 0.3133044)  | 9,723.0 (8,587.8, 11,036.1)   | 0.300149 (0.2651034, 0.3406839)  |
| Sumatera Barat | Ischemic heart disease                                   | 80  | 3,613.4 (2,967.3, 4,242.3)    | 0.238381 (0.1957556, 0.2798706)  | 6,317.2 (5,437.9, 7,161.4)    | 0.195012 (0.1678677, 0.2210713)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | 80  | 1,543.3 (1,205.6, 1,931.7)    | 0.101811 (0.0795375, 0.1274400)  | 3,413.4 (2,719.3, 4,170.5)    | 0.105370 (0.0839450, 0.1287430)  |
| Sumatera Barat | Diabetes mellitus                                        | 80  | 623.6 (469.5, 784.8)          | 0.041141 (0.0309768, 0.0517742)  | 2,052.4 (1,635.3, 2,557.9)    | 0.063357 (0.0504826, 0.0789635)  |
| Sumatera Barat | Chronic kidney disease                                   | 80  | 355.2 (255.2, 487.5)          | 0.023433 (0.0168377, 0.0321588)  | 767.8 (567.1, 1,006.8)        | 0.023703 (0.0175067, 0.0310791)  |
| Sumatera Barat | Cirrhosis                                                | 80  | 495.7 (361.3, 655.9)          | 0.032699 (0.0238382, 0.0432736)  | 647.9 (496.3, 840.4)          | 0.020002 (0.0153205, 0.0259429)  |
| Sumatera Barat | Chronic respiratory diseases                             | 80  | 3,867.1 (3,197.3, 4,510.1)    | 0.255120 (0.2109343, 0.2975403)  | 5,429.4 (4,662.1, 6,219.9)    | 0.167606 (0.1439190, 0.1920075)  |
| Sumatera Barat | Other non-communicable diseases                          | 80  | 2,552.1 (2,044.8, 3,090.4)    | 0.168367 (0.1349011, 0.2038802)  | 5,703.3 (4,873.3, 6,612.3)    | 0.176061 (0.1504374, 0.2041201)  |
| Sumatera Barat | Drowning                                                 | 80  | 27.7 (10.2, 66.3)             | 0.001825 (0.0006729, 0.0043772)  | 32.2 (12.2, 71.1)             | 0.000995 (0.0003758, 0.0021945)  |
| Sumatera Barat | Falls                                                    | 80  | 291.3 (189.2, 414.1)          | 0.019217 (0.0124788, 0.0273160)  | 385.5 (262.3, 535.6)          | 0.011902 (0.0080967, 0.0165342)  |
| Sumatera Barat | Interpersonal violence                                   | 80  | 8.5 (1.5, 26.6)               | 0.000563 (0.0000961, 0.0017532)  | 10.6 (2.2, 30.4)              | 0.000326 (0.0000689, 0.0009378)  |
| Sumatera Barat | Self-harm                                                | 80  | 46.4 (20.4, 87.6)             | 0.003060 (0.0013440, 0.0057787)  | 44.6 (19.3, 87.5)             | 0.001378 (0.0005956, 0.0027014)  |
| Sumatera Barat | Transport injuries                                       | 80  | 247.3 (157.4, 373.0)          | 0.016313 (0.0103869, 0.0246092)  | 206.3 (127.5, 309.3)          | 0.006369 (0.0039346, 0.0095485)  |
| Sumatera Barat | Other unintentional injuries                             | 80  | 148.6 (80.5, 239.5)           | 0.009804 (0.0053118, 0.0157996)  | 136.1 (74.2, 221.6)           | 0.004201 (0.0022898, 0.0068412)  |
| Sumatera Barat | Diarrheal diseases                                       | All | 15,988.2 (11,663.5, 21,447.9) | 0.006213 (0.0045324, 0.0083346)  | 18,140.7 (13,880.5, 23,240.0) | 0.006935 (0.0053063, 0.0088843)  |
| Sumatera Barat | HIV/AIDS                                                 | All | 2,215.5 (1,077.2, 3,956.7)    | 0.000861 (0.0004186, 0.0015376)  | 1,105.1 (525.6, 2,009.8)      | 0.000423 (0.0002009, 0.0007683)  |
| Sumatera Barat | Lower respiratory infections                             | All | 32,809.1 (21,748.7, 46,478.1) | 0.012750 (0.0084515, 0.0180614)  | 22,054.4 (15,165.2, 30,940.2) | 0.008431 (0.0057974, 0.0118280)  |
| Sumatera Barat | Malaria                                                  | All | 913.0 (261.2, 2,120.6)        | 0.000355 (0.0001015, 0.0008241)  | 528.2 (139.8, 1,188.9)        | 0.000202 (0.0000534, 0.0004545)  |
| Sumatera Barat | Tuberculosis                                             | All | 41,390.0 (33,097.6, 50,691.9) | 0.016084 (0.0128617, 0.0196989)  | 21,231.4 (17,131.4, 25,737.4) | 0.008117 (0.0065491, 0.0098391)  |
| Sumatera Barat | Maternal disorders                                       | All |                               |                                  | 3,719.4 (2,624.6, 5,086.2)    | 0.001422 (0.0010034, 0.0019444)  |
| Sumatera Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 33,023.9 (16,443.0, 52,954.8) | 0.012833 (0.0063897, 0.0205782)  | 21,695.3 (11,008.0, 37,570.6) | 0.008294 (0.0042082, 0.0143627)  |
| Sumatera Barat | Preterm birth complications                              | All | 29,139.5 (13,863.2, 48,639.3) | 0.011324 (0.0053872, 0.0189012)  | 25,175.3 (12,434.3, 44,126.5) | 0.009624 (0.0047535, 0.0168690)  |
| Sumatera Barat | Other neonatal disorders                                 | All | 12,532.1 (4,896.7, 24,983.7)  | 0.004870 (0.0019028, 0.0097087)  | 7,745.9 (2,907.0, 15,922.7)   | 0.002961 (0.0011113, 0.0060870)  |
| Sumatera Barat | Other communicable diseases                              | All | 46,205.6 (36,050.4, 60,628.1) | 0.017956 (0.0140092, 0.0235601)  | 30,168.3 (23,232.1, 40,278.0) | 0.011533 (0.0088813, 0.0153977)  |
| Sumatera Barat | Tracheal, bronchus, and lung cancer                      | All | 3,527.9 (1,957.7, 5,816.8)    | 0.001371 (0.0007608, 0.0022604)  | 1,154.5 (634.4, 2,022.8)      | 0.000441 (0.0002425, 0.0007733)  |
| Sumatera Barat | Breast cancer                                            | All | 336.4 (158.5, 649.8)          | 0.000131 (0.0000616, 0.0002525)  | 16,534.9 (12,214.5, 21,627.8) | 0.006321 (0.0046694, 0.0082680)  |
| Sumatera Barat | Cervical cancer                                          | All |                               |                                  | 4,280.9 (2,326.0, 7,260.5)    | 0.001637 (0.0008892, 0.0027756)  |
| Sumatera Barat | Other malignant neoplasms                                | All | 26,170.8 (20,815.4, 33,016.8) | 0.010170 (0.0080889, 0.0128303)  | 17,484.2 (13,320.8, 22,271.2) | 0.006684 (0.0050924, 0.0085140)  |
| Sumatera Barat | Cerebrovascular disease                                  | All | 54,644.4 (43,789.1, 66,993.0) | 0.021235 (0.0170165, 0.0260335)  | 54,257.3 (45,647.0, 65,197.2) | 0.020742 (0.0174502, 0.0249240)  |
| Sumatera Barat | Ischemic heart disease                                   | All | 62,805.6 (50,636.1, 76,442.0) | 0.024406 (0.0196772, 0.0297054)  | 38,828.6 (32,271.6, 45,894.1) | 0.014844 (0.0123370, 0.0175447)  |
| Sumatera Barat | Other cardiovascular and circulatory diseases            | All | 21,127.2 (16,019.0, 27,130.6) | 0.008210 (0.0062250, 0.0105430)  | 21,295.1 (16,736.2, 26,910.8) | 0.008141 (0.0063980, 0.0102876)  |
| Sumatera Barat | Diabetes mellitus                                        | All | 21,312.0 (16,240.5, 27,235.1) | 0.008282 (0.0063110, 0.0105836)  | 26,146.3 (20,613.2, 32,717.3) | 0.009995 (0.0078801, 0.0125074)  |
| Sumatera Barat | Chronic kidney disease                                   | All | 12,937.1 (9,777.4, 17,038.4)  | 0.005027 (0.0037995, 0.0066211)  | 11,039.7 (8,393.4, 14,453.1)  | 0.004220 (0.0032087, 0.0055252)  |
| Sumatera Barat | Cirrhosis                                                | All | 25,030.8 (19,305.8, 32,388.3) | 0.009727 (0.0075022, 0.0125861)  | 10,758.5 (8,141.1, 13,896.8)  | 0.004113 (0.0031122, 0.0053125)  |
| Sumatera Barat | Chronic respiratory diseases                             | All | 51,220.8 (40,872.8, 62,678.0) | 0.019904 (0.0158832, 0.0243567)  | 32,684.3 (27,142.4, 39,114.9) | 0.012495 (0.0103762, 0.0149531)  |
| Sumatera Barat | Other non-communicable diseases                          | All | 56,598.2 (44,452.0, 69,842.5) | 0.021994 (0.0172741, 0.0271408)  | 52,594.6 (42,819.6, 63,976.5) | 0.020106 (0.0163694, 0.0244573)  |
| Sumatera Barat | Drowning                                                 | All | 9,318.0 (5,649.7, 14,627.5)   | 0.003621 (0.0021955, 0.0056842)  | 2,935.2 (1,759.3, 4,545.5)    | 0.001122 (0.0006726, 0.0017377)  |
| Sumatera Barat | Falls                                                    | All | 7,288.2 (4,951.3, 10,720.8)   | 0.002832 (0.0019241, 0.0041661)  | 3,216.6 (2,125.2, 4,866.0)    | 0.001230 (0.0008124, 0.0018602)  |
| Sumatera Barat | Interpersonal violence                                   | All | 2,637.3 (1,791.2, 3,716.8)    | 0.001025 (0.0006961, 0.0014443)  | 1,543.5 (982.2, 2,401.4)      | 0.000590 (0.0003755, 0.0009180)  |
| Sumatera Barat | Self-harm                                                | All | 3,449.5 (2,327.2, 4,890.3)    | 0.001341 (0.0009044, 0.0019004)  | 1,690.7 (1,089.7, 2,455.7)    | 0.000646 (0.0004166, 0.0009388)  |
| Sumatera Barat | Transport injuries                                       | All | 54,382.0 (44,406.9, 66,939.1) | 0.021133 (0.0172565, 0.0260125)  | 15,532.8 (12,323.2, 18,849.0) | 0.005938 (0.0047110, 0.0072057)  |
| Sumatera Barat | Other unintentional injuries                             | All | 16,721.7 (11,887.3, 22,677.2) | 0.006498 (0.0046194, 0.0088124)  | 5,843.6 (4,014.6, 8,386.0)    | 0.002234 (0.0015347, 0.0032059)  |
| Riau           | Diarrheal diseases                                       | NN  | 2,045.1 (787.7, 4,000.8)      | 0.380998 (0.1467475, 0.7453482)  | 1,605.3 (661.1, 3,127.0)      | 0.310617 (0.1279229, 0.6050719)  |
| Riau           | Lower respiratory infections                             | NN  | 14,355.7 (6,895.0, 24,352.0)  | 2.674478 (1.2845540, 4.5368009)  | 7,961.4 (3,858.1, 13,955.0)   | 1.540500 (0.7465204, 2.7002339)  |
| Riau           | Malaria                                                  | NN  | 34.2 (3.6, 120.8)             | 0.006380 (0.0006783, 0.0225005)  | 18.3 (2.0, 68.1)              | 0.003540 (0.0003927, 0.0131829)  |
| Riau           | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 39,787.1 (19,405.0, 65,193.7) | 7.412394 (3.6151810, 12.1456804) | 24,699.6 (12,494.7, 43,254.8) | 4.779287 (2.4176710, 8.3696423)  |
| Riau           | Preterm birth complications                              | NN  | 41,984.7 (20,441.2, 68,590.9) | 7.821808 (3.8082130, 12.7785797) | 34,812.9 (17,551.5, 58,415.6) | 6.736156 (3.3961470, 11.3031902) |
| Riau           | Other neonatal disorders                                 | NN  | 15,890.4 (6,289.1, 31,916.3)  | 2.960410 (1.1716740, 5.9460421)  | 9,534.6 (3,551.3, 19,664.5)   | 1.844907 (0.6871676, 3.8050051)  |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|----------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Riau     | Other communicable diseases                              | NN  | 1,968.3 (755.2, 3,888.2)      | 0.366698 (0.1407039, 0.7243848) | 1,108.2 (434.5, 2,236.7)      | 0.214434 (0.0840646, 0.4327894) |
| Riau     | Other malignant neoplasms                                | NN  | 1,177.4 (448.3, 2,292.1)      | 0.219356 (0.0835214, 0.4270232) | 840.2 (327.5, 1,746.6)        | 0.162570 (0.0633642, 0.3379674) |
| Riau     | Cerebrovascular disease                                  | NN  | 388.4 (104.2, 1,088.7)        | 0.072350 (0.0194057, 0.2028244) | 350.8 (91.6, 953.7)           | 0.067873 (0.0177162, 0.1845291) |
| Riau     | Other cardiovascular and circulatory diseases            | NN  | 268.1 (59.1, 736.5)           | 0.049942 (0.0110190, 0.1372101) | 236.7 (55.6, 656.2)           | 0.045810 (0.0107657, 0.1269670) |
| Riau     | Diabetes mellitus                                        | NN  | 87.3 (0.5, 715.4)             | 0.016266 (0.0000885, 0.1332752) | 71.6 (0.4, 554.8)             | 0.013850 (0.0000756, 0.1073560) |
| Riau     | Other non-communicable diseases                          | NN  | 23,378.0 (11,701.8, 37,061.8) | 4.355352 (2.1800520, 6.9046688) | 19,398.5 (10,069.7, 32,477.7) | 3.753529 (1.9484560, 6.2843170) |
| Riau     | Drowning                                                 | NN  | 1,652.9 (569.5, 3,795.6)      | 0.307931 (0.1061064, 0.7071265) | 416.5 (134.3, 967.8)          | 0.080587 (0.0259855, 0.1872686) |
| Riau     | Falls                                                    | NN  | 753.2 (246.1, 1,767.3)        | 0.140322 (0.0458428, 0.3292572) | 251.7 (81.0, 596.4)           | 0.048698 (0.0156809, 0.1153966) |
| Riau     | Interpersonal violence                                   | NN  | 472.4 (134.8, 1,210.4)        | 0.088002 (0.0251107, 0.2254951) | 242.6 (70.0, 615.7)           | 0.046941 (0.0135404, 0.1191415) |
| Riau     | Transport injuries                                       | NN  | 1,573.0 (568.5, 3,162.1)      | 0.293060 (0.1059086, 0.5891025) | 379.0 (133.6, 834.1)          | 0.073342 (0.0258557, 0.1613975) |
| Riau     | Other unintentional injuries                             | NN  | 3,527.6 (1,400.4, 6,870.7)    | 0.657204 (0.2608937, 1.2800220) | 1,078.2 (417.4, 2,148.1)      | 0.208633 (0.0807614, 0.4156496) |
| Riau     | Diarrheal diseases                                       | PNN | 746.9 (362.4, 1,297.3)        | 0.011149 (0.0054089, 0.0193632) | 841.9 (422.8, 1,480.9)        | 0.013052 (0.0065548, 0.0229575) |
| Riau     | HIV/AIDS                                                 | PNN | 23.4 (5.7, 60.6)              | 0.000349 (0.0000857, 0.0009039) | 17.8 (4.3, 47.5)              | 0.000276 (0.0000665, 0.0007369) |
| Riau     | Lower respiratory infections                             | PNN | 420.0 (211.8, 712.5)          | 0.006269 (0.0031607, 0.0106353) | 326.1 (164.4, 573.1)          | 0.005055 (0.0025485, 0.0088839) |
| Riau     | Malaria                                                  | PNN | 12.0 (1.6, 37.1)              | 0.000180 (0.0000233, 0.0005542) | 9.3 (1.2, 31.5)               | 0.000145 (0.0000188, 0.0004890) |
| Riau     | Tuberculosis                                             | PNN | 52.3 (21.8, 105.2)            | 0.000781 (0.0003256, 0.0015704) | 40.1 (15.8, 81.3)             | 0.000622 (0.0002452, 0.0012600) |
| Riau     | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 33.8 (9.8, 87.8)              | 0.000505 (0.0001457, 0.0013113) | 27.9 (7.8, 75.1)              | 0.000433 (0.0001213, 0.0011635) |
| Riau     | Preterm birth complications                              | PNN | 98.2 (37.1, 197.7)            | 0.001465 (0.0005545, 0.0029502) | 122.0 (45.0, 249.5)           | 0.001892 (0.0006972, 0.0038681) |
| Riau     | Other neonatal disorders                                 | PNN | 51.4 (13.5, 138.0)            | 0.000768 (0.0002013, 0.0020605) | 42.0 (10.8, 111.2)            | 0.000652 (0.0001677, 0.0017241) |
| Riau     | Other communicable diseases                              | PNN | 800.4 (391.7, 1,356.9)        | 0.011947 (0.0058465, 0.0202527) | 645.3 (306.7, 1,161.5)        | 0.010004 (0.0047552, 0.0180063) |
| Riau     | Other malignant neoplasms                                | PNN | 21.8 (8.2, 43.8)              | 0.000325 (0.0001225, 0.0006532) | 21.2 (8.1, 42.3)              | 0.000329 (0.0001253, 0.0006555) |
| Riau     | Cerebrovascular disease                                  | PNN | 7.1 (1.9, 18.5)               | 0.000106 (0.0000287, 0.0002761) | 8.8 (2.4, 22.6)               | 0.000137 (0.0000373, 0.0003502) |
| Riau     | Ischemic heart disease                                   | PNN | 3.6 (0.3, 16.5)               | 0.000054 (0.0000041, 0.0002467) | 3.8 (0.2, 16.7)               | 0.000059 (0.0000037, 0.0002590) |
| Riau     | Other cardiovascular and circulatory diseases            | PNN | 4.9 (1.2, 13.5)               | 0.000074 (0.0000175, 0.0002011) | 5.9 (1.4, 16.3)               | 0.000092 (0.0000218, 0.0002531) |
| Riau     | Diabetes mellitus                                        | PNN | 1.6 (0.0, 13.4)               | 0.000024 (0.0000001, 0.0001996) | 1.8 (0.0, 14.3)               | 0.000028 (0.0000001, 0.0002224) |
| Riau     | Chronic kidney disease                                   | PNN | 29.8 (11.1, 60.5)             | 0.000444 (0.0001653, 0.0009036) | 26.6 (9.8, 58.6)              | 0.000412 (0.0001526, 0.0009089) |
| Riau     | Other non-communicable diseases                          | PNN | 427.4 (216.1, 705.2)          | 0.006379 (0.0032252, 0.0105256) | 483.7 (241.2, 814.4)          | 0.007499 (0.0037389, 0.0126253) |
| Riau     | Drowning                                                 | PNN | 37.2 (14.7, 77.9)             | 0.000555 (0.0002196, 0.0011629) | 12.8 (4.5, 28.6)              | 0.000198 (0.0000693, 0.0004434) |
| Riau     | Falls                                                    | PNN | 16.3 (5.8, 35.2)              | 0.000244 (0.0000865, 0.0005257) | 7.4 (2.5, 17.5)               | 0.000115 (0.0000386, 0.0002719) |
| Riau     | Interpersonal violence                                   | PNN | 10.0 (3.1, 24.0)              | 0.000149 (0.0000460, 0.0003582) | 6.9 (2.1, 17.1)               | 0.000108 (0.0000323, 0.0002649) |
| Riau     | Transport injuries                                       | PNN | 35.0 (14.1, 67.4)             | 0.000523 (0.0002103, 0.0010060) | 11.5 (4.5, 24.0)              | 0.000178 (0.0000693, 0.0003714) |
| Riau     | Other unintentional injuries                             | PNN | 75.0 (33.5, 141.2)            | 0.001120 (0.0004996, 0.0021070) | 31.3 (13.6, 62.8)             | 0.000485 (0.0002111, 0.0009732) |
| Riau     | Diarrheal diseases                                       | 1   | 7,532.6 (2,987.0, 15,586.8)   | 0.025934 (0.0102839, 0.0536632) | 9,174.2 (3,909.3, 18,543.5)   | 0.032852 (0.0139989, 0.0664019) |
| Riau     | HIV/AIDS                                                 | 1   | 557.9 (115.8, 1,523.4)        | 0.001921 (0.0003988, 0.0052449) | 462.1 (104.8, 1,255.9)        | 0.001655 (0.0003753, 0.0044971) |
| Riau     | Lower respiratory infections                             | 1   | 9,842.7 (3,983.4, 19,630.8)   | 0.033887 (0.0137142, 0.0675860) | 8,325.2 (3,674.9, 16,478.8)   | 0.029811 (0.0131595, 0.0590085) |
| Riau     | Malaria                                                  | 1   | 96.7 (11.9, 346.8)            | 0.000333 (0.0000409, 0.0011939) | 81.5 (10.2, 306.7)            | 0.000292 (0.0000364, 0.0010983) |
| Riau     | Tuberculosis                                             | 1   | 1,322.0 (443.9, 2,935.4)      | 0.004551 (0.0015282, 0.0101062) | 1,107.6 (405.8, 2,414.9)      | 0.003966 (0.0014531, 0.0086474) |
| Riau     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 398.1 (98.1, 1,158.2)         | 0.001371 (0.0003378, 0.0039875) | 337.1 (88.2, 982.7)           | 0.001207 (0.0003157, 0.0035189) |
| Riau     | Preterm birth complications                              | 1   | 229.4 (39.0, 823.4)           | 0.000790 (0.0001343, 0.0028349) | 291.3 (50.7, 990.3)           | 0.001043 (0.0001817, 0.0035460) |
| Riau     | Other neonatal disorders                                 | 1   | 91.7 (0.8, 652.9)             | 0.000316 (0.0000028, 0.0022479) | 75.1 (0.6, 581.7)             | 0.000269 (0.0000022, 0.0020830) |
| Riau     | Other communicable diseases                              | 1   | 17,652.4 (7,315.4, 33,709.1)  | 0.060775 (0.0251858, 0.1160553) | 15,577.9 (7,137.2, 29,971.0)  | 0.055783 (0.0255572, 0.1073223) |
| Riau     | Other malignant neoplasms                                | 1   | 369.0 (125.4, 830.2)          | 0.001270 (0.0004317, 0.0028584) | 402.2 (150.0, 869.3)          | 0.001440 (0.0005370, 0.0031130) |
| Riau     | Cerebrovascular disease                                  | 1   | 133.3 (30.3, 375.7)           | 0.000459 (0.0001044, 0.0012935) | 183.7 (45.9, 485.7)           | 0.000658 (0.0001642, 0.0017391) |
| Riau     | Ischemic heart disease                                   | 1   | 71.2 (4.2, 350.3)             | 0.000245 (0.0000145, 0.0012059) | 80.8 (5.0, 404.9)             | 0.000290 (0.0000178, 0.0014500) |
| Riau     | Other cardiovascular and circulatory diseases            | 1   | 86.7 (19.9, 256.4)            | 0.000299 (0.0000684, 0.0008826) | 115.3 (26.9, 342.7)           | 0.000413 (0.0000965, 0.0012270) |
| Riau     | Diabetes mellitus                                        | 1   | 27.6 (0.1, 212.4)             | 0.000095 (0.0000004, 0.0007314) | 34.8 (0.2, 281.7)             | 0.000125 (0.0000006, 0.0010087) |
| Riau     | Chronic kidney disease                                   | 1   | 490.3 (152.5, 1,101.2)        | 0.001688 (0.0005252, 0.0037914) | 488.5 (154.6, 1,083.8)        | 0.001749 (0.0005535, 0.0038811) |
| Riau     | Cirrhosis                                                | 1   | 507.5 (124.6, 1,307.9)        | 0.001747 (0.0004289, 0.0045030) | 312.0 (88.4, 780.9)           | 0.001117 (0.0003165, 0.0027964) |
| Riau     | Chronic respiratory diseases                             | 1   | 941.7 (279.1, 2,148.3)        | 0.003242 (0.0009609, 0.0073964) | 431.0 (131.7, 1,036.8)        | 0.001543 (0.0004717, 0.0037125) |
| Riau     | Other non-communicable diseases                          | 1   | 7,293.4 (3,029.0, 13,911.9)   | 0.025110 (0.0104285, 0.0478965) | 9,223.9 (4,174.3, 17,845.8)   | 0.033030 (0.0149478, 0.0639035) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Drowning                                      | 1   | 2,472.3 (903.8, 5,231.5)   | 0.008512 (0.0031118, 0.0180114) | 954.7 (352.1, 2,040.5)     | 0.003419 (0.0012609, 0.0073067) |
| Riau     | Falls                                         | 1   | 763.5 (231.6, 1,859.9)     | 0.002629 (0.0007974, 0.0064033) | 390.4 (116.4, 1,005.3)     | 0.001398 (0.0004168, 0.0035997) |
| Riau     | Interpersonal violence                        | 1   | 383.6 (97.7, 937.3)        | 0.001321 (0.0003365, 0.0032269) | 299.7 (81.7, 725.0)        | 0.001073 (0.0002924, 0.0025960) |
| Riau     | Transport injuries                            | 1   | 2,086.8 (725.8, 4,579.9)   | 0.007184 (0.0024989, 0.0157680) | 768.9 (266.2, 1,661.9)     | 0.002753 (0.0009531, 0.0059509) |
| Riau     | Other unintentional injuries                  | 1   | 3,006.1 (1,092.6, 6,676.7) | 0.010350 (0.0037617, 0.0229868) | 1,403.4 (524.7, 3,018.3)   | 0.005026 (0.0018787, 0.0108082) |
| Riau     | Diarrheal diseases                            | 5   | 1,533.7 (998.7, 2,131.9)   | 0.004504 (0.0029328, 0.0062604) | 1,499.0 (1,015.6, 2,037.3) | 0.004630 (0.0031368, 0.0062927) |
| Riau     | HIV/AIDS                                      | 5   | 83.2 (17.1, 229.5)         | 0.000244 (0.0000502, 0.0006739) | 54.9 (11.3, 153.7)         | 0.000170 (0.0000350, 0.0004746) |
| Riau     | Lower respiratory infections                  | 5   | 1,333.6 (886.7, 1,841.9)   | 0.003916 (0.0026038, 0.0054087) | 902.4 (594.4, 1,262.1)     | 0.002787 (0.0018359, 0.0038984) |
| Riau     | Malaria                                       | 5   | 19.8 (3.1, 62.0)           | 0.000058 (0.0000090, 0.0001821) | 13.2 (1.9, 39.5)           | 0.000041 (0.0000060, 0.0001221) |
| Riau     | Tuberculosis                                  | 5   | 258.1 (138.6, 419.7)       | 0.000758 (0.0004069, 0.0012326) | 172.9 (95.6, 277.7)        | 0.000534 (0.0002954, 0.0008576) |
| Riau     | Other communicable diseases                   | 5   | 3,568.6 (2,810.3, 4,490.9) | 0.010479 (0.0082526, 0.0131875) | 2,523.8 (1,964.8, 3,172.1) | 0.007795 (0.0060688, 0.0097975) |
| Riau     | Other malignant neoplasms                     | 5   | 722.2 (443.5, 1,117.9)     | 0.002121 (0.0013025, 0.0032829) | 653.9 (409.6, 983.1)       | 0.002020 (0.0012652, 0.0030364) |
| Riau     | Cerebrovascular disease                       | 5   | 174.3 (82.5, 327.7)        | 0.000512 (0.0002421, 0.0009622) | 200.2 (96.9, 350.9)        | 0.000618 (0.0002993, 0.0010839) |
| Riau     | Ischemic heart disease                        | 5   | 106.3 (41.0, 232.6)        | 0.000312 (0.0001204, 0.0006832) | 100.4 (40.2, 201.4)        | 0.000310 (0.0001241, 0.0006220) |
| Riau     | Other cardiovascular and circulatory diseases | 5   | 128.1 (50.6, 285.9)        | 0.000376 (0.0001485, 0.0008394) | 139.6 (57.6, 274.6)        | 0.000431 (0.0001780, 0.0008483) |
| Riau     | Diabetes mellitus                             | 5   | 107.2 (38.4, 235.6)        | 0.000315 (0.0001128, 0.0006918) | 113.8 (44.1, 249.1)        | 0.000351 (0.0001363, 0.0007693) |
| Riau     | Chronic kidney disease                        | 5   | 332.7 (167.1, 587.3)       | 0.000977 (0.0004907, 0.0017245) | 277.2 (126.7, 510.8)       | 0.000856 (0.0003913, 0.0015777) |
| Riau     | Cirrhosis                                     | 5   | 432.5 (217.6, 762.2)       | 0.001270 (0.0006389, 0.0022381) | 223.2 (113.2, 386.7)       | 0.000689 (0.0003495, 0.0011944) |
| Riau     | Chronic respiratory diseases                  | 5   | 238.7 (118.9, 440.5)       | 0.000701 (0.0003491, 0.0012936) | 89.9 (42.8, 176.2)         | 0.000278 (0.0001321, 0.0005442) |
| Riau     | Other non-communicable diseases               | 5   | 2,092.5 (1,567.2, 2,747.7) | 0.006145 (0.0046021, 0.0080685) | 2,205.3 (1,731.5, 2,796.9) | 0.006811 (0.0053482, 0.0086387) |
| Riau     | Drowning                                      | 5   | 2,902.3 (1,999.0, 3,937.6) | 0.008523 (0.0058702, 0.0115628) | 1,221.8 (803.1, 1,711.8)   | 0.003774 (0.0024807, 0.0052872) |
| Riau     | Falls                                         | 5   | 458.7 (216.1, 867.2)       | 0.001347 (0.0006346, 0.0025466) | 235.9 (115.4, 437.5)       | 0.000729 (0.0003565, 0.0013514) |
| Riau     | Interpersonal violence                        | 5   | 105.3 (37.8, 233.9)        | 0.000309 (0.0001110, 0.0006869) | 83.3 (30.1, 190.0)         | 0.000257 (0.0000929, 0.0005868) |
| Riau     | Transport injuries                            | 5   | 2,366.7 (1,563.9, 3,411.3) | 0.006950 (0.0045923, 0.0100173) | 937.2 (565.4, 1,399.5)     | 0.002895 (0.0017463, 0.0043227) |
| Riau     | Other unintentional injuries                  | 5   | 942.8 (556.9, 1,510.6)     | 0.002769 (0.0016352, 0.0044359) | 448.2 (256.5, 740.7)       | 0.001384 (0.0007924, 0.0022879) |
| Riau     | Diarrheal diseases                            | 10  | 681.9 (417.4, 1,017.3)     | 0.002209 (0.0013522, 0.0032959) | 618.0 (389.6, 896.2)       | 0.002105 (0.0013272, 0.0030525) |
| Riau     | HIV/AIDS                                      | 10  | 72.7 (19.6, 172.1)         | 0.000236 (0.0000634, 0.0005576) | 46.9 (13.0, 109.4)         | 0.000160 (0.0000443, 0.0003727) |
| Riau     | Lower respiratory infections                  | 10  | 778.7 (489.0, 1,106.0)     | 0.002523 (0.0015844, 0.0035834) | 486.9 (311.3, 695.7)       | 0.001659 (0.0010604, 0.0023698) |
| Riau     | Malaria                                       | 10  | 35.3 (6.5, 100.4)          | 0.000114 (0.0000212, 0.0003252) | 23.6 (4.5, 72.3)           | 0.000081 (0.0000153, 0.0002462) |
| Riau     | Tuberculosis                                  | 10  | 530.0 (316.4, 809.1)       | 0.001717 (0.0010251, 0.0026215) | 362.0 (221.4, 538.9)       | 0.001233 (0.0007542, 0.0018357) |
| Riau     | Maternal disorders                            | 10  |                            |                                 | 53.2 (9.6, 138.7)          | 0.000181 (0.0000328, 0.0004726) |
| Riau     | Other communicable diseases                   | 10  | 2,413.4 (1,840.2, 3,044.7) | 0.007819 (0.0059619, 0.0098644) | 1,517.1 (1,126.1, 1,934.3) | 0.005168 (0.0038359, 0.0065887) |
| Riau     | Other malignant neoplasms                     | 10  | 905.6 (613.2, 1,274.9)     | 0.002934 (0.0019867, 0.0041305) | 825.2 (584.9, 1,115.7)     | 0.002811 (0.0019925, 0.0038004) |
| Riau     | Cerebrovascular disease                       | 10  | 248.6 (142.4, 395.4)       | 0.000806 (0.0004613, 0.0012812) | 263.6 (156.8, 410.1)       | 0.000898 (0.0005339, 0.0013968) |
| Riau     | Ischemic heart disease                        | 10  | 223.9 (129.0, 375.5)       | 0.000725 (0.0004179, 0.0012166) | 199.1 (117.8, 317.7)       | 0.000678 (0.0004011, 0.0010823) |
| Riau     | Other cardiovascular and circulatory diseases | 10  | 164.6 (82.0, 295.8)        | 0.000533 (0.0002658, 0.0009584) | 173.1 (89.8, 296.1)        | 0.000590 (0.0003059, 0.0010087) |
| Riau     | Diabetes mellitus                             | 10  | 132.4 (68.7, 230.4)        | 0.000429 (0.0002225, 0.0007464) | 136.8 (71.3, 238.8)        | 0.000466 (0.0002428, 0.0008135) |
| Riau     | Chronic kidney disease                        | 10  | 403.9 (242.5, 610.2)       | 0.001309 (0.0007857, 0.0019769) | 333.5 (178.5, 536.3)       | 0.001136 (0.0006079, 0.0018269) |
| Riau     | Cirrhosis                                     | 10  | 440.8 (266.9, 687.3)       | 0.001428 (0.0008649, 0.0022266) | 210.1 (126.5, 328.5)       | 0.000716 (0.0004308, 0.0011191) |
| Riau     | Chronic respiratory diseases                  | 10  | 403.1 (241.4, 613.4)       | 0.001306 (0.0007821, 0.0019874) | 162.2 (91.1, 260.6)        | 0.000553 (0.0003102, 0.0008878) |
| Riau     | Other non-communicable diseases               | 10  | 2,119.7 (1,686.0, 2,643.1) | 0.006868 (0.0054624, 0.0085634) | 2,094.1 (1,683.4, 2,525.7) | 0.007133 (0.0057339, 0.0086032) |
| Riau     | Drowning                                      | 10  | 1,471.5 (913.2, 2,110.6)   | 0.004768 (0.0029586, 0.0068380) | 468.8 (274.1, 741.6)       | 0.001597 (0.0009335, 0.0025262) |
| Riau     | Falls                                         | 10  | 388.2 (183.3, 724.6)       | 0.001258 (0.0005938, 0.0023477) | 163.8 (76.8, 315.7)        | 0.000558 (0.0002615, 0.0010752) |
| Riau     | Interpersonal violence                        | 10  | 147.8 (71.2, 296.1)        | 0.000479 (0.0002307, 0.0009593) | 111.4 (51.8, 215.0)        | 0.000379 (0.0001764, 0.0007323) |
| Riau     | Self-harm                                     | 10  | 115.7 (42.7, 251.8)        | 0.000375 (0.0001384, 0.0008157) | 74.8 (27.5, 154.1)         | 0.000255 (0.0000937, 0.0005248) |
| Riau     | Transport injuries                            | 10  | 3,281.8 (2,500.9, 4,098.0) | 0.010633 (0.0081027, 0.0132771) | 1,181.7 (829.6, 1,592.8)   | 0.004025 (0.0028259, 0.0054255) |
| Riau     | Other unintentional injuries                  | 10  | 865.6 (528.8, 1,344.5)     | 0.002804 (0.0017134, 0.0043560) | 368.2 (217.4, 584.8)       | 0.001254 (0.0007405, 0.0019920) |
| Riau     | Diarrheal diseases                            | 15  | 422.7 (208.0, 743.4)       | 0.001545 (0.0007605, 0.0027173) | 227.7 (113.6, 383.4)       | 0.000868 (0.0004330, 0.0014611) |
| Riau     | HIV/AIDS                                      | 15  | 68.1 (18.8, 169.9)         | 0.000249 (0.0000687, 0.0006212) | 27.5 (7.6, 73.0)           | 0.000105 (0.0000290, 0.0002781) |
| Riau     | Lower respiratory infections                  | 15  | 387.2 (216.9, 638.9)       | 0.001416 (0.0007928, 0.0023354) | 136.6 (77.5, 223.1)        | 0.000521 (0.0002953, 0.0008502) |
| Riau     | Malaria                                       | 15  | 98.1 (19.1, 298.3)         | 0.000359 (0.0000698, 0.0010903) | 40.8 (7.9, 123.1)          | 0.000155 (0.0000299, 0.0004691) |
| Riau     | Tuberculosis                                  | 15  | 1,012.1 (646.5, 1,555.3)   | 0.003700 (0.0023631, 0.0056853) | 395.0 (263.1, 583.8)       | 0.001505 (0.0010025, 0.0022246) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Maternal disorders                            | 15  |                             |                                 | 1,072.9 (736.6, 1,494.4)   | 0.004088 (0.0028067, 0.0056941) |
| Riau     | Other communicable diseases                   | 15  | 1,803.4 (1,273.5, 2,581.4)  | 0.006592 (0.0046552, 0.0094363) | 654.9 (429.2, 933.0)       | 0.002495 (0.0016352, 0.0035552) |
| Riau     | Tracheal, bronchus, and lung cancer           | 15  | 216.4 (76.8, 451.7)         | 0.000791 (0.0002808, 0.0016511) | 84.6 (29.7, 177.7)         | 0.000322 (0.0001130, 0.0006771) |
| Riau     | Breast cancer                                 | 15  | 5.1 (0.5, 19.2)             | 0.000019 (0.0000020, 0.0000703) | 129.1 (40.8, 291.3)        | 0.000492 (0.0001555, 0.0011098) |
| Riau     | Cervical cancer                               | 15  |                             |                                 | 107.7 (28.6, 268.6)        | 0.000410 (0.0001090, 0.0010236) |
| Riau     | Other malignant neoplasms                     | 15  | 1,004.5 (665.3, 1,509.6)    | 0.003672 (0.0024320, 0.0055181) | 1,079.9 (732.6, 1,500.1)   | 0.004115 (0.0027915, 0.0057159) |
| Riau     | Cerebrovascular disease                       | 15  | 436.9 (253.0, 717.4)        | 0.001597 (0.0009249, 0.0026223) | 433.1 (256.0, 684.7)       | 0.001651 (0.0009754, 0.0026088) |
| Riau     | Ischemic heart disease                        | 15  | 685.8 (429.9, 1,034.3)      | 0.002507 (0.0015716, 0.0037807) | 491.9 (317.0, 732.4)       | 0.001874 (0.0012079, 0.0027909) |
| Riau     | Other cardiovascular and circulatory diseases | 15  | 243.9 (122.7, 430.0)        | 0.000892 (0.0004486, 0.0015717) | 271.7 (138.8, 458.9)       | 0.001035 (0.0005288, 0.0017485) |
| Riau     | Diabetes mellitus                             | 15  | 203.2 (104.5, 354.1)        | 0.000743 (0.0003822, 0.0012942) | 221.7 (117.0, 379.3)       | 0.000845 (0.0004457, 0.0014454) |
| Riau     | Chronic kidney disease                        | 15  | 575.0 (340.6, 943.6)        | 0.002102 (0.0012451, 0.0034494) | 505.1 (270.1, 822.7)       | 0.001925 (0.0010293, 0.0031348) |
| Riau     | Cirrhosis                                     | 15  | 512.0 (298.5, 844.8)        | 0.001872 (0.0010910, 0.0030880) | 251.8 (150.6, 407.2)       | 0.000959 (0.0005737, 0.0015515) |
| Riau     | Chronic respiratory diseases                  | 15  | 327.6 (183.7, 549.1)        | 0.001198 (0.0006716, 0.0020073) | 173.6 (96.9, 283.0)        | 0.000662 (0.0003694, 0.0010784) |
| Riau     | Other non-communicable diseases               | 15  | 2,405.4 (1,778.9, 3,391.3)  | 0.008793 (0.0065028, 0.0123969) | 2,342.8 (1,843.5, 2,872.7) | 0.008927 (0.0070244, 0.0109462) |
| Riau     | Drowning                                      | 15  | 694.3 (385.8, 1,165.6)      | 0.002538 (0.0014104, 0.0042607) | 200.7 (103.6, 365.7)       | 0.000765 (0.0003947, 0.0013935) |
| Riau     | Falls                                         | 15  | 321.3 (151.8, 603.9)        | 0.001175 (0.0005550, 0.0022075) | 131.3 (62.2, 263.7)        | 0.000500 (0.0002372, 0.0010047) |
| Riau     | Interpersonal violence                        | 15  | 323.4 (177.7, 591.0)        | 0.001182 (0.0006495, 0.0021605) | 255.7 (127.5, 468.8)       | 0.000974 (0.0004858, 0.0017863) |
| Riau     | Self-harm                                     | 15  | 220.0 (96.0, 434.1)         | 0.000804 (0.0003511, 0.0015867) | 150.8 (64.6, 283.3)        | 0.000575 (0.0002461, 0.0010796) |
| Riau     | Transport injuries                            | 15  | 8,034.7 (6,302.6, 10,783.1) | 0.029371 (0.0230389, 0.0394170) | 3,303.2 (2,648.2, 3,975.4) | 0.012586 (0.0100908, 0.0151480) |
| Riau     | Other unintentional injuries                  | 15  | 1,179.7 (736.4, 1,812.2)    | 0.004312 (0.0026919, 0.0066245) | 506.3 (307.6, 783.1)       | 0.001929 (0.0011722, 0.0029839) |
| Riau     | Diarrheal diseases                            | 20  | 445.4 (240.1, 777.1)        | 0.001625 (0.0008759, 0.0028348) | 243.8 (140.0, 398.2)       | 0.000882 (0.0005063, 0.0014406) |
| Riau     | HIV/AIDS                                      | 20  | 275.0 (87.0, 588.9)         | 0.001003 (0.0003173, 0.0021484) | 104.7 (33.8, 219.9)        | 0.000379 (0.0001222, 0.0007956) |
| Riau     | Lower respiratory infections                  | 20  | 440.2 (236.2, 714.7)        | 0.001606 (0.0008616, 0.0026073) | 134.2 (73.6, 217.2)        | 0.000486 (0.0002663, 0.0007859) |
| Riau     | Malaria                                       | 20  | 132.0 (25.2, 375.8)         | 0.000482 (0.0000920, 0.0013710) | 55.3 (10.8, 159.1)         | 0.000200 (0.0000389, 0.0005757) |
| Riau     | Tuberculosis                                  | 20  | 2,439.9 (1,747.9, 3,578.6)  | 0.008901 (0.0063763, 0.0130548) | 781.4 (538.3, 1,094.6)     | 0.002827 (0.0019475, 0.0039600) |
| Riau     | Maternal disorders                            | 20  |                             |                                 | 1,541.7 (1,099.5, 2,046.3) | 0.005578 (0.0039778, 0.0074029) |
| Riau     | Other communicable diseases                   | 20  | 2,462.0 (1,727.2, 3,586.0)  | 0.008981 (0.0063008, 0.0130820) | 912.9 (620.7, 1,274.2)     | 0.003303 (0.0022457, 0.0046099) |
| Riau     | Tracheal, bronchus, and lung cancer           | 20  | 186.2 (58.0, 417.4)         | 0.000679 (0.0002114, 0.0015228) | 143.9 (56.4, 298.3)        | 0.000521 (0.0002041, 0.0010791) |
| Riau     | Breast cancer                                 | 20  | 7.3 (1.3, 22.5)             | 0.000027 (0.0000049, 0.0000822) | 422.0 (203.3, 732.1)       | 0.001527 (0.0007354, 0.0026487) |
| Riau     | Cervical cancer                               | 20  |                             |                                 | 236.7 (89.6, 504.8)        | 0.000857 (0.0003241, 0.0018264) |
| Riau     | Other malignant neoplasms                     | 20  | 1,007.7 (689.3, 1,484.6)    | 0.003676 (0.0025147, 0.0054160) | 1,262.9 (849.4, 1,763.0)   | 0.004569 (0.0030731, 0.0063780) |
| Riau     | Cerebrovascular disease                       | 20  | 869.2 (602.4, 1,286.7)      | 0.003171 (0.0021976, 0.0046938) | 732.0 (502.3, 1,024.5)     | 0.002648 (0.0018174, 0.0037065) |
| Riau     | Ischemic heart disease                        | 20  | 1,327.7 (899.5, 1,920.6)    | 0.004844 (0.0032815, 0.0070066) | 639.4 (425.1, 926.5)       | 0.002313 (0.0015378, 0.0033519) |
| Riau     | Other cardiovascular and circulatory diseases | 20  | 393.1 (222.9, 649.1)        | 0.001434 (0.0008132, 0.0023680) | 423.1 (258.3, 646.3)       | 0.001531 (0.0009343, 0.0023381) |
| Riau     | Diabetes mellitus                             | 20  | 210.7 (115.6, 336.2)        | 0.000769 (0.0004216, 0.0012263) | 217.7 (121.1, 359.7)       | 0.000788 (0.0004383, 0.0013012) |
| Riau     | Chronic kidney disease                        | 20  | 957.9 (600.0, 1,467.8)      | 0.003495 (0.0021890, 0.0053546) | 793.5 (458.4, 1,207.4)     | 0.002871 (0.0016584, 0.0043683) |
| Riau     | Cirrhosis                                     | 20  | 875.3 (553.4, 1,429.6)      | 0.003193 (0.0020187, 0.0052152) | 411.6 (253.6, 642.7)       | 0.001489 (0.0009176, 0.0023252) |
| Riau     | Chronic respiratory diseases                  | 20  | 784.9 (497.2, 1,181.2)      | 0.002864 (0.0018138, 0.0043090) | 477.5 (318.1, 693.7)       | 0.001728 (0.0011509, 0.0025098) |
| Riau     | Other non-communicable diseases               | 20  | 2,437.4 (1,802.9, 3,475.6)  | 0.008892 (0.0065770, 0.0126792) | 2,168.0 (1,652.7, 2,781.6) | 0.007844 (0.0059791, 0.0100632) |
| Riau     | Drowning                                      | 20  | 548.9 (278.0, 981.1)        | 0.002003 (0.0010143, 0.0035792) | 132.6 (60.9, 238.6)        | 0.000480 (0.0002202, 0.0008630) |
| Riau     | Falls                                         | 20  | 342.5 (164.3, 638.7)        | 0.001250 (0.0005993, 0.0023299) | 117.6 (54.2, 221.4)        | 0.000426 (0.0001962, 0.0008012) |
| Riau     | Interpersonal violence                        | 20  | 416.8 (229.8, 749.0)        | 0.001520 (0.0008384, 0.0027325) | 270.3 (135.2, 481.7)       | 0.000978 (0.0004892, 0.0017428) |
| Riau     | Self-harm                                     | 20  | 242.4 (109.0, 466.9)        | 0.000884 (0.0003975, 0.0017032) | 136.2 (58.0, 255.3)        | 0.000493 (0.0002097, 0.0009235) |
| Riau     | Transport injuries                            | 20  | 7,285.8 (5,659.0, 9,972.8)  | 0.026579 (0.0206445, 0.0363814) | 2,312.9 (1,768.7, 2,995.1) | 0.008368 (0.0063990, 0.0108357) |
| Riau     | Other unintentional injuries                  | 20  | 1,420.2 (886.4, 2,165.3)    | 0.005181 (0.0032336, 0.0078991) | 506.0 (304.6, 795.8)       | 0.001831 (0.0011020, 0.0028790) |
| Riau     | Diarrheal diseases                            | 25  | 684.7 (392.2, 1,107.9)      | 0.002279 (0.0013055, 0.0036876) | 198.0 (112.5, 335.7)       | 0.000668 (0.0003792, 0.0011317) |
| Riau     | HIV/AIDS                                      | 25  | 559.0 (190.9, 1,068.4)      | 0.001861 (0.0006355, 0.0035560) | 112.0 (38.0, 227.2)        | 0.000378 (0.0001282, 0.0007659) |
| Riau     | Lower respiratory infections                  | 25  | 497.6 (273.8, 786.3)        | 0.001656 (0.0009114, 0.0026172) | 79.9 (42.7, 138.4)         | 0.000269 (0.0001438, 0.0004665) |
| Riau     | Malaria                                       | 25  | 152.7 (28.6, 434.9)         | 0.000508 (0.0000953, 0.0014476) | 32.4 (6.0, 89.1)           | 0.000109 (0.0000202, 0.0003005) |
| Riau     | Tuberculosis                                  | 25  | 3,645.9 (2,718.5, 4,954.1)  | 0.012136 (0.0090486, 0.0164895) | 585.8 (395.6, 859.1)       | 0.001975 (0.0013335, 0.0028963) |
| Riau     | Maternal disorders                            | 25  |                             |                                 | 3,106.9 (2,321.8, 4,082.5) | 0.010474 (0.0078272, 0.0137631) |
| Riau     | Other communicable diseases                   | 25  | 2,823.4 (2,041.4, 3,909.9)  | 0.009398 (0.0067946, 0.0130140) | 558.3 (366.7, 839.6)       | 0.001882 (0.0012364, 0.0028306) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Tracheal, bronchus, and lung cancer           | 25  | 222.9 (67.0, 525.8)        | 0.000742 (0.0002231, 0.0017503) | 192.0 (79.7, 384.0)        | 0.000647 (0.0002685, 0.0012947) |
| Riau     | Breast cancer                                 | 25  | 8.1 (2.0, 23.9)            | 0.000027 (0.0000066, 0.0000795) | 815.7 (388.1, 1,409.2)     | 0.002750 (0.0013082, 0.0047509) |
| Riau     | Cervical cancer                               | 25  |                            |                                 | 479.5 (163.7, 1,036.8)     | 0.001616 (0.0005517, 0.0034953) |
| Riau     | Other malignant neoplasms                     | 25  | 1,520.9 (1,081.4, 2,112.1) | 0.005062 (0.0035995, 0.0070300) | 1,353.7 (830.3, 2,063.4)   | 0.004564 (0.0027990, 0.0069563) |
| Riau     | Cerebrovascular disease                       | 25  | 1,619.4 (1,196.8, 2,210.1) | 0.005390 (0.0039835, 0.0073564) | 1,215.6 (862.3, 1,763.8)   | 0.004098 (0.0029070, 0.0059463) |
| Riau     | Ischemic heart disease                        | 25  | 2,564.8 (1,912.9, 3,475.8) | 0.008537 (0.0063672, 0.0115692) | 1,053.8 (714.4, 1,513.2)   | 0.003553 (0.0024085, 0.0051013) |
| Riau     | Other cardiovascular and circulatory diseases | 25  | 551.7 (347.6, 888.5)       | 0.001836 (0.0011569, 0.0029572) | 536.3 (336.1, 809.2)       | 0.001808 (0.0011330, 0.0027281) |
| Riau     | Diabetes mellitus                             | 25  | 387.7 (242.5, 579.4)       | 0.001290 (0.0008071, 0.0019285) | 346.2 (209.1, 524.4)       | 0.001167 (0.0007048, 0.0017679) |
| Riau     | Chronic kidney disease                        | 25  | 1,188.3 (775.3, 1,735.6)   | 0.003955 (0.0025807, 0.0057770) | 845.0 (493.9, 1,326.7)     | 0.002849 (0.0016652, 0.0044726) |
| Riau     | Cirrhosis                                     | 25  | 1,319.2 (881.6, 1,952.8)   | 0.004391 (0.0029345, 0.0064998) | 549.1 (342.4, 823.5)       | 0.001851 (0.0011543, 0.0027763) |
| Riau     | Chronic respiratory diseases                  | 25  | 1,081.4 (731.8, 1,553.7)   | 0.003600 (0.0024359, 0.0051714) | 587.4 (385.4, 855.0)       | 0.001980 (0.0012993, 0.0028823) |
| Riau     | Other non-communicable diseases               | 25  | 2,983.2 (2,293.2, 4,043.6) | 0.009930 (0.0076330, 0.0134590) | 2,386.5 (1,769.3, 3,251.7) | 0.008046 (0.0059646, 0.0109621) |
| Riau     | Drowning                                      | 25  | 380.9 (180.6, 682.1)       | 0.001268 (0.0006013, 0.0022703) | 83.0 (36.8, 156.6)         | 0.000280 (0.0001240, 0.0005281) |
| Riau     | Falls                                         | 25  | 517.4 (257.2, 943.7)       | 0.001722 (0.0008559, 0.0031411) | 157.9 (75.4, 306.4)        | 0.000533 (0.0002543, 0.0010331) |
| Riau     | Interpersonal violence                        | 25  | 450.7 (251.7, 746.8)       | 0.001500 (0.0008378, 0.0024858) | 243.0 (121.6, 421.6)       | 0.000819 (0.0004101, 0.0014212) |
| Riau     | Self-harm                                     | 25  | 242.8 (110.4, 463.4)       | 0.000808 (0.0003676, 0.0015424) | 111.9 (48.8, 210.6)        | 0.000377 (0.0001647, 0.0007098) |
| Riau     | Transport injuries                            | 25  | 5,424.9 (4,121.6, 7,177.3) | 0.018057 (0.0137187, 0.0238894) | 1,366.5 (929.2, 1,950.3)   | 0.004607 (0.0031324, 0.0065748) |
| Riau     | Other unintentional injuries                  | 25  | 1,810.2 (1,162.4, 2,746.8) | 0.006025 (0.0038691, 0.0091425) | 551.2 (328.2, 855.3)       | 0.001858 (0.0011065, 0.0028833) |
| Riau     | Diarrheal diseases                            | 30  | 663.6 (391.5, 1,043.4)     | 0.002393 (0.0014115, 0.0037624) | 207.0 (117.0, 354.7)       | 0.000807 (0.0004560, 0.0013822) |
| Riau     | HIV/AIDS                                      | 30  | 488.0 (169.2, 917.5)       | 0.001760 (0.0006101, 0.0033085) | 109.2 (38.9, 223.4)        | 0.000425 (0.0001516, 0.0008704) |
| Riau     | Lower respiratory infections                  | 30  | 399.4 (220.6, 641.5)       | 0.001440 (0.0007953, 0.0023130) | 73.0 (37.8, 123.9)         | 0.000285 (0.0001475, 0.0004829) |
| Riau     | Malaria                                       | 30  | 114.5 (22.9, 317.4)        | 0.000413 (0.0000824, 0.0011444) | 23.9 (4.5, 65.2)           | 0.000093 (0.0000175, 0.0002542) |
| Riau     | Tuberculosis                                  | 30  | 3,249.0 (2,397.9, 4,386.0) | 0.011715 (0.0086465, 0.0158149) | 532.7 (349.9, 818.4)       | 0.002076 (0.0013635, 0.0031892) |
| Riau     | Maternal disorders                            | 30  |                            |                                 | 2,448.1 (1,790.5, 3,445.0) | 0.009540 (0.0069773, 0.0134246) |
| Riau     | Other communicable diseases                   | 30  | 1,709.6 (1,178.3, 2,445.6) | 0.006165 (0.0042489, 0.0088182) | 373.9 (226.2, 580.0)       | 0.001457 (0.0008813, 0.0022601) |
| Riau     | Tracheal, bronchus, and lung cancer           | 30  | 389.9 (152.4, 766.0)       | 0.001406 (0.0005494, 0.0027619) | 190.3 (82.3, 372.7)        | 0.000742 (0.0003208, 0.0014524) |
| Riau     | Breast cancer                                 | 30  | 8.4 (1.5, 28.6)            | 0.000030 (0.0000053, 0.0001031) | 1,114.1 (608.3, 1,781.9)   | 0.004341 (0.0023703, 0.0069439) |
| Riau     | Cervical cancer                               | 30  |                            |                                 | 622.6 (255.1, 1,227.3)     | 0.002426 (0.0009941, 0.0047826) |
| Riau     | Other malignant neoplasms                     | 30  | 1,606.7 (1,137.7, 2,248.6) | 0.005793 (0.0041023, 0.0081081) | 1,223.6 (732.1, 1,918.0)   | 0.004768 (0.0028529, 0.0074740) |
| Riau     | Cerebrovascular disease                       | 30  | 2,276.3 (1,731.8, 2,983.9) | 0.008208 (0.0062445, 0.0107593) | 1,716.2 (1,224.8, 2,493.0) | 0.006688 (0.0047729, 0.0097147) |
| Riau     | Ischemic heart disease                        | 30  | 3,520.2 (2,725.7, 4,563.9) | 0.012693 (0.0098283, 0.0164566) | 1,343.3 (924.2, 1,968.2)   | 0.005235 (0.0036014, 0.0076696) |
| Riau     | Other cardiovascular and circulatory diseases | 30  | 586.8 (373.1, 940.4)       | 0.002116 (0.0013452, 0.0033907) | 577.7 (358.9, 898.1)       | 0.002251 (0.0013986, 0.0034997) |
| Riau     | Diabetes mellitus                             | 30  | 579.1 (379.9, 834.5)       | 0.002088 (0.0013700, 0.0030090) | 497.3 (307.8, 762.9)       | 0.001938 (0.0011994, 0.0029728) |
| Riau     | Chronic kidney disease                        | 30  | 1,180.3 (789.7, 1,681.9)   | 0.004256 (0.0028473, 0.0060646) | 793.8 (448.9, 1,300.8)     | 0.003093 (0.0017494, 0.0050688) |
| Riau     | Cirrhosis                                     | 30  | 1,536.0 (1,037.8, 2,246.0) | 0.005539 (0.0037423, 0.0080986) | 648.2 (402.4, 995.4)       | 0.002526 (0.0015682, 0.0038789) |
| Riau     | Chronic respiratory diseases                  | 30  | 925.0 (605.7, 1,363.7)     | 0.003335 (0.0021841, 0.0049171) | 529.3 (337.9, 819.6)       | 0.002063 (0.0013168, 0.0031938) |
| Riau     | Other non-communicable diseases               | 30  | 2,730.2 (2,073.0, 3,618.2) | 0.009845 (0.0074749, 0.0130465) | 2,210.7 (1,596.8, 3,157.1) | 0.008615 (0.0062223, 0.0123027) |
| Riau     | Drowning                                      | 30  | 367.3 (175.2, 660.7)       | 0.001325 (0.0006318, 0.0023824) | 94.7 (44.2, 174.7)         | 0.000369 (0.0001722, 0.0006807) |
| Riau     | Falls                                         | 30  | 541.7 (280.7, 974.3)       | 0.001953 (0.0010122, 0.0035131) | 185.0 (92.3, 368.9)        | 0.000721 (0.0003596, 0.0014377) |
| Riau     | Interpersonal violence                        | 30  | 326.4 (177.6, 537.0)       | 0.001177 (0.0006404, 0.0019363) | 168.6 (79.7, 296.9)        | 0.000657 (0.0003106, 0.0011570) |
| Riau     | Self-harm                                     | 30  | 173.7 (79.3, 330.0)        | 0.000626 (0.0002861, 0.0011900) | 74.6 (31.6, 145.8)         | 0.000291 (0.0001233, 0.0005680) |
| Riau     | Transport injuries                            | 30  | 4,209.2 (3,109.9, 5,608.2) | 0.015178 (0.0112136, 0.0202219) | 1,108.6 (725.3, 1,680.0)   | 0.004320 (0.0028264, 0.0065467) |
| Riau     | Other unintentional injuries                  | 30  | 1,508.8 (944.5, 2,315.3)   | 0.005440 (0.0034057, 0.0083485) | 469.7 (272.8, 760.1)       | 0.001830 (0.0010631, 0.0029620) |
| Riau     | Diarrheal diseases                            | 35  | 511.8 (301.7, 827.7)       | 0.002112 (0.0012449, 0.0034151) | 270.4 (157.7, 446.4)       | 0.001219 (0.0007110, 0.0020122) |
| Riau     | HIV/AIDS                                      | 35  | 375.2 (133.8, 737.9)       | 0.001548 (0.0005519, 0.0030446) | 135.4 (47.8, 287.6)        | 0.000610 (0.0002155, 0.0012963) |
| Riau     | Lower respiratory infections                  | 35  | 363.7 (205.4, 586.6)       | 0.001501 (0.0008475, 0.0024203) | 112.4 (56.8, 193.4)        | 0.000507 (0.0002560, 0.0008716) |
| Riau     | Malaria                                       | 35  | 90.0 (18.2, 270.9)         | 0.000371 (0.0000750, 0.0011176) | 30.3 (5.9, 89.4)           | 0.000136 (0.0000264, 0.0004031) |
| Riau     | Tuberculosis                                  | 35  | 2,986.7 (2,206.9, 3,942.7) | 0.012323 (0.0091056, 0.0162673) | 790.3 (508.8, 1,188.9)     | 0.003562 (0.0022935, 0.0053591) |
| Riau     | Maternal disorders                            | 35  |                            |                                 | 1,862.3 (1,293.6, 2,624.7) | 0.008394 (0.0058311, 0.0118311) |
| Riau     | Other communicable diseases                   | 35  | 1,332.2 (887.8, 1,849.3)   | 0.005496 (0.0036630, 0.0076300) | 499.1 (306.1, 758.4)       | 0.002250 (0.0013799, 0.0034186) |
| Riau     | Tracheal, bronchus, and lung cancer           | 35  | 291.3 (112.4, 595.1)       | 0.001202 (0.0004638, 0.0024552) | 236.5 (106.5, 436.0)       | 0.001066 (0.0004800, 0.0019651) |
| Riau     | Breast cancer                                 | 35  | 15.3 (2.9, 48.7)           | 0.000063 (0.0000119, 0.0002010) | 1,575.7 (899.9, 2,410.7)   | 0.007103 (0.0040562, 0.0108665) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Cervical cancer                               | 35  |                            |                                 | 883.2 (393.0, 1,617.5)     | 0.003981 (0.0017714, 0.0072911) |
| Riau     | Other malignant neoplasms                     | 35  | 2,171.4 (1,571.9, 2,955.5) | 0.008959 (0.0064856, 0.0121943) | 1,290.7 (784.1, 1,999.7)   | 0.005818 (0.0035346, 0.0090138) |
| Riau     | Cerebrovascular disease                       | 35  | 3,219.8 (2,490.8, 4,199.0) | 0.013285 (0.0102768, 0.0173245) | 2,695.4 (1,910.7, 3,815.6) | 0.012150 (0.0086125, 0.0171993) |
| Riau     | Ischemic heart disease                        | 35  | 4,314.6 (3,355.1, 5,459.0) | 0.017802 (0.0138430, 0.0225235) | 1,925.7 (1,348.0, 2,805.2) | 0.008680 (0.0060763, 0.0126448) |
| Riau     | Other cardiovascular and circulatory diseases | 35  | 699.1 (438.0, 1,070.0)     | 0.002884 (0.0018071, 0.0044146) | 729.3 (453.7, 1,130.9)     | 0.003287 (0.0020450, 0.0050976) |
| Riau     | Diabetes mellitus                             | 35  | 989.9 (666.2, 1,415.7)     | 0.004084 (0.0027488, 0.0058412) | 898.4 (564.0, 1,354.6)     | 0.004050 (0.0025424, 0.0061058) |
| Riau     | Chronic kidney disease                        | 35  | 1,283.7 (886.1, 1,798.2)   | 0.005296 (0.0036558, 0.0074192) | 905.1 (530.6, 1,461.0)     | 0.004080 (0.0023919, 0.0065858) |
| Riau     | Cirrhosis                                     | 35  | 1,742.5 (1,173.2, 2,563.0) | 0.007189 (0.0048407, 0.0105747) | 801.4 (504.3, 1,232.3)     | 0.003612 (0.0022731, 0.0055547) |
| Riau     | Chronic respiratory diseases                  | 35  | 1,078.2 (727.4, 1,525.3)   | 0.004449 (0.0030013, 0.0062931) | 593.7 (385.6, 900.1)       | 0.002676 (0.0017382, 0.0040573) |
| Riau     | Other non-communicable diseases               | 35  | 2,580.7 (1,957.8, 3,430.4) | 0.010648 (0.0080776, 0.0141536) | 2,277.1 (1,631.8, 3,232.9) | 0.010264 (0.0073556, 0.0145724) |
| Riau     | Drowning                                      | 35  | 409.4 (205.1, 741.9)       | 0.001689 (0.0008464, 0.0030609) | 129.3 (61.6, 241.6)        | 0.000583 (0.0002777, 0.0010890) |
| Riau     | Falls                                         | 35  | 493.2 (251.9, 877.4)       | 0.002035 (0.0010394, 0.0036202) | 200.3 (98.1, 366.3)        | 0.000903 (0.0004422, 0.0016509) |
| Riau     | Interpersonal violence                        | 35  | 261.4 (138.8, 452.2)       | 0.001078 (0.0005729, 0.0018659) | 148.0 (68.8, 271.1)        | 0.000667 (0.0003102, 0.0012218) |
| Riau     | Self-harm                                     | 35  | 150.0 (65.0, 284.2)        | 0.000619 (0.0002683, 0.0011726) | 69.6 (27.9, 137.6)         | 0.000314 (0.0001258, 0.0006202) |
| Riau     | Transport injuries                            | 35  | 3,110.4 (2,226.1, 4,189.4) | 0.012833 (0.0091849, 0.0172851) | 926.3 (585.4, 1,390.3)     | 0.004175 (0.0026390, 0.0062667) |
| Riau     | Other unintentional injuries                  | 35  | 1,304.8 (826.3, 1,989.4)   | 0.005384 (0.0034091, 0.0082081) | 459.1 (266.9, 740.4)       | 0.002069 (0.0012030, 0.0033376) |
| Riau     | Diarrheal diseases                            | 40  | 493.7 (287.9, 767.1)       | 0.002492 (0.0014534, 0.0038718) | 485.8 (289.6, 761.2)       | 0.002789 (0.0016625, 0.0043697) |
| Riau     | HIV/AIDS                                      | 40  | 163.7 (49.3, 336.3)        | 0.000827 (0.0002490, 0.0016976) | 112.0 (37.2, 232.7)        | 0.000643 (0.0002136, 0.0013360) |
| Riau     | Lower respiratory infections                  | 40  | 302.3 (172.9, 485.7)       | 0.001526 (0.0008725, 0.0024514) | 190.4 (105.5, 308.2)       | 0.001093 (0.0006056, 0.0017692) |
| Riau     | Malaria                                       | 40  | 82.0 (16.0, 242.3)         | 0.000414 (0.0000809, 0.0012231) | 45.3 (8.6, 133.8)          | 0.000260 (0.0000494, 0.0007680) |
| Riau     | Tuberculosis                                  | 40  | 2,390.0 (1,759.7, 3,213.6) | 0.012064 (0.0088824, 0.0162207) | 1,119.7 (762.8, 1,593.2)   | 0.006428 (0.0043791, 0.0091467) |
| Riau     | Maternal disorders                            | 40  |                            |                                 | 139.9 (74.4, 232.8)        | 0.000803 (0.0004273, 0.0013366) |
| Riau     | Other communicable diseases                   | 40  | 1,142.9 (778.8, 1,646.7)   | 0.005769 (0.0039308, 0.0083119) | 829.3 (519.1, 1,222.0)     | 0.004761 (0.0029802, 0.0070153) |
| Riau     | Tracheal, bronchus, and lung cancer           | 40  | 565.3 (275.0, 993.2)       | 0.002853 (0.0013879, 0.0050132) | 251.3 (121.8, 452.8)       | 0.001443 (0.0006994, 0.0025996) |
| Riau     | Breast cancer                                 | 40  | 25.7 (6.2, 71.1)           | 0.000130 (0.0000314, 0.0003590) | 1,806.9 (1,129.4, 2,778.2) | 0.010373 (0.0064836, 0.0159496) |
| Riau     | Cervical cancer                               | 40  |                            |                                 | 830.3 (373.3, 1,530.1)     | 0.004767 (0.0021432, 0.0087842) |
| Riau     | Other malignant neoplasms                     | 40  | 2,458.5 (1,762.3, 3,413.8) | 0.012410 (0.0088955, 0.0172315) | 1,193.5 (714.5, 1,834.8)   | 0.006852 (0.0041016, 0.0105334) |
| Riau     | Cerebrovascular disease                       | 40  | 4,522.7 (3,484.8, 5,826.5) | 0.022829 (0.0175898, 0.0294096) | 3,681.7 (2,698.8, 5,007.8) | 0.021136 (0.0154936, 0.0287494) |
| Riau     | Ischemic heart disease                        | 40  | 5,859.5 (4,571.6, 7,398.7) | 0.029576 (0.0230755, 0.0373454) | 2,490.7 (1,749.9, 3,504.2) | 0.014299 (0.0100462, 0.0201172) |
| Riau     | Other cardiovascular and circulatory diseases | 40  | 873.4 (554.0, 1,351.5)     | 0.004409 (0.0027962, 0.0068220) | 849.2 (529.0, 1,290.5)     | 0.004875 (0.0030368, 0.0074085) |
| Riau     | Diabetes mellitus                             | 40  | 1,857.1 (1,293.6, 2,537.2) | 0.009374 (0.0065296, 0.0128065) | 1,532.8 (992.8, 2,228.9)   | 0.008800 (0.0056997, 0.0127958) |
| Riau     | Chronic kidney disease                        | 40  | 1,480.4 (1,027.1, 2,076.0) | 0.007472 (0.0051845, 0.0104787) | 927.9 (549.7, 1,454.2)     | 0.005327 (0.0031556, 0.0083485) |
| Riau     | Cirrhosis                                     | 40  | 1,915.3 (1,303.8, 2,754.2) | 0.009668 (0.0065812, 0.0139023) | 860.0 (546.5, 1,308.4)     | 0.004937 (0.0031372, 0.0075116) |
| Riau     | Chronic respiratory diseases                  | 40  | 1,090.5 (734.3, 1,556.8)   | 0.005504 (0.0037063, 0.0078583) | 572.8 (376.3, 842.0)       | 0.003288 (0.0021602, 0.0048341) |
| Riau     | Other non-communicable diseases               | 40  | 2,490.1 (1,833.7, 3,364.5) | 0.012569 (0.0092556, 0.0169827) | 2,103.9 (1,506.7, 2,954.2) | 0.012078 (0.0086498, 0.0169598) |
| Riau     | Drowning                                      | 40  | 188.6 (83.1, 360.2)        | 0.000952 (0.0004192, 0.0018182) | 70.3 (31.1, 139.5)         | 0.000404 (0.0001788, 0.0008008) |
| Riau     | Falls                                         | 40  | 379.4 (200.6, 670.3)       | 0.001915 (0.0010123, 0.0033836) | 169.0 (81.9, 306.5)        | 0.000970 (0.0004703, 0.0017595) |
| Riau     | Interpersonal violence                        | 40  | 185.6 (97.1, 327.4)        | 0.000937 (0.0004903, 0.0016526) | 92.6 (42.6, 173.8)         | 0.000532 (0.0002444, 0.0009979) |
| Riau     | Self-harm                                     | 40  | 121.6 (53.2, 232.9)        | 0.000614 (0.0002687, 0.0011758) | 48.0 (19.7, 93.6)          | 0.000276 (0.0001133, 0.0005373) |
| Riau     | Transport injuries                            | 40  | 2,231.0 (1,568.3, 3,112.7) | 0.011261 (0.0079162, 0.0157117) | 676.0 (432.4, 999.3)       | 0.003881 (0.0024826, 0.0057368) |
| Riau     | Other unintentional injuries                  | 40  | 938.8 (562.2, 1,425.8)     | 0.004739 (0.0028378, 0.0071967) | 320.3 (187.6, 509.8)       | 0.001839 (0.0010768, 0.0029269) |
| Riau     | Diarrheal diseases                            | 45  | 422.4 (244.0, 676.2)       | 0.002749 (0.0015882, 0.0044002) | 499.0 (296.7, 750.3)       | 0.003672 (0.0021832, 0.0055205) |
| Riau     | HIV/AIDS                                      | 45  | 70.8 (21.6, 150.0)         | 0.000461 (0.0001408, 0.0009762) | 59.5 (18.7, 126.2)         | 0.000438 (0.0001376, 0.0009289) |
| Riau     | Lower respiratory infections                  | 45  | 304.8 (170.7, 476.2)       | 0.001983 (0.0011112, 0.0030990) | 245.3 (141.9, 389.2)       | 0.001805 (0.0010438, 0.0028636) |
| Riau     | Malaria                                       | 45  | 59.6 (12.1, 172.6)         | 0.000388 (0.0000785, 0.0011233) | 37.5 (7.5, 106.9)          | 0.000276 (0.0000552, 0.0007867) |
| Riau     | Tuberculosis                                  | 45  | 2,085.5 (1,512.3, 2,846.7) | 0.013572 (0.0098416, 0.0185252) | 1,177.4 (823.6, 1,594.2)   | 0.008663 (0.0060596, 0.0117300) |
| Riau     | Maternal disorders                            | 45  |                            |                                 | 57.2 (26.2, 107.0)         | 0.000421 (0.0001929, 0.0007869) |
| Riau     | Other communicable diseases                   | 45  | 844.6 (562.5, 1,235.4)     | 0.005497 (0.0036606, 0.0080393) | 749.7 (482.1, 1,066.6)     | 0.005516 (0.0035473, 0.0078480) |
| Riau     | Tracheal, bronchus, and lung cancer           | 45  | 640.4 (333.7, 1,109.2)     | 0.004167 (0.0021719, 0.0072186) | 288.0 (144.4, 499.0)       | 0.002119 (0.0010625, 0.0036715) |
| Riau     | Breast cancer                                 | 45  | 29.5 (9.3, 72.1)           | 0.000192 (0.0000608, 0.0004694) | 1,665.9 (1,051.0, 2,506.2) | 0.012258 (0.0077332, 0.0184406) |
| Riau     | Cervical cancer                               | 45  |                            |                                 | 812.7 (376.5, 1,407.3)     | 0.005980 (0.0027702, 0.0103550) |
| Riau     | Other malignant neoplasms                     | 45  | 2,031.8 (1,409.4, 2,846.7) | 0.013222 (0.0091718, 0.0185255) | 1,053.2 (631.6, 1,593.4)   | 0.007750 (0.0046475, 0.0117244) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Cerebrovascular disease                       | 45  | 5,231.2 (4,000.2, 6,863.7) | 0.034043 (0.0260319, 0.0446665) | 4,987.8 (3,736.2, 6,559.9) | 0.036700 (0.0274905, 0.0482668) |
| Riau     | Ischemic heart disease                        | 45  | 5,933.6 (4,519.5, 7,674.3) | 0.038614 (0.0294112, 0.0499414) | 3,005.6 (2,160.8, 4,119.9) | 0.022115 (0.0158986, 0.0303134) |
| Riau     | Other cardiovascular and circulatory diseases | 45  | 932.3 (582.7, 1,423.3)     | 0.006067 (0.0037918, 0.0092620) | 1,030.1 (662.3, 1,532.1)   | 0.007579 (0.0048730, 0.0112729) |
| Riau     | Diabetes mellitus                             | 45  | 2,481.5 (1,734.6, 3,438.3) | 0.016149 (0.0112880, 0.0223755) | 2,342.3 (1,580.7, 3,279.9) | 0.017234 (0.0116303, 0.0241329) |
| Riau     | Chronic kidney disease                        | 45  | 1,327.3 (898.2, 1,905.6)   | 0.008638 (0.0058452, 0.0124010) | 945.1 (563.6, 1,456.3)     | 0.006954 (0.0041470, 0.0107156) |
| Riau     | Cirrhosis                                     | 45  | 1,667.8 (1,126.7, 2,452.1) | 0.010853 (0.0073324, 0.0159576) | 885.9 (575.5, 1,306.3)     | 0.006519 (0.0042342, 0.0096113) |
| Riau     | Chronic respiratory diseases                  | 45  | 1,179.8 (772.5, 1,719.5)   | 0.007678 (0.0050271, 0.0111902) | 713.1 (484.3, 1,015.9)     | 0.005247 (0.0035633, 0.0074751) |
| Riau     | Other non-communicable diseases               | 45  | 2,073.1 (1,496.6, 2,839.0) | 0.013491 (0.0097393, 0.0184751) | 2,032.9 (1,472.3, 2,764.5) | 0.014958 (0.0108332, 0.0203405) |
| Riau     | Drowning                                      | 45  | 110.6 (48.5, 220.4)        | 0.000720 (0.0003156, 0.0014345) | 53.0 (22.5, 100.7)         | 0.000390 (0.0001658, 0.0007411) |
| Riau     | Falls                                         | 45  | 362.6 (182.2, 630.5)       | 0.002360 (0.0011859, 0.0041032) | 201.2 (100.4, 358.5)       | 0.001480 (0.0007389, 0.0026377) |
| Riau     | Interpersonal violence                        | 45  | 131.7 (67.0, 232.8)        | 0.000857 (0.0004362, 0.0015148) | 74.3 (35.0, 145.8)         | 0.000547 (0.0002574, 0.0010727) |
| Riau     | Self-harm                                     | 45  | 97.7 (42.2, 195.4)         | 0.000636 (0.0002745, 0.0012718) | 42.9 (17.8, 84.2)          | 0.000316 (0.0001308, 0.0006198) |
| Riau     | Transport injuries                            | 45  | 1,909.2 (1,318.0, 2,697.8) | 0.012424 (0.0085773, 0.0175565) | 695.9 (454.4, 1,015.9)     | 0.005120 (0.0033431, 0.0074746) |
| Riau     | Other unintentional injuries                  | 45  | 740.7 (449.5, 1,165.5)     | 0.004820 (0.0029253, 0.0075849) | 297.1 (170.5, 475.0)       | 0.002186 (0.0012546, 0.0034947) |
| Riau     | Diarrheal diseases                            | 50  | 490.8 (299.7, 756.0)       | 0.004298 (0.0026243, 0.0066207) | 556.4 (349.3, 823.3)       | 0.005492 (0.0034480, 0.0081271) |
| Riau     | HIV/AIDS                                      | 50  | 25.4 (7.5, 58.6)           | 0.000222 (0.0000655, 0.0005130) | 21.9 (6.1, 52.3)           | 0.000216 (0.0000599, 0.0005163) |
| Riau     | Lower respiratory infections                  | 50  | 342.4 (189.5, 539.8)       | 0.002998 (0.0016592, 0.0047275) | 279.1 (164.6, 441.1)       | 0.002755 (0.0016252, 0.0043539) |
| Riau     | Malaria                                       | 50  | 51.1 (9.6, 154.8)          | 0.000447 (0.0000842, 0.0013556) | 30.4 (5.5, 92.8)           | 0.000300 (0.0000541, 0.0009156) |
| Riau     | Tuberculosis                                  | 50  | 1,941.1 (1,394.5, 2,791.6) | 0.016999 (0.0122123, 0.0244481) | 1,087.4 (765.9, 1,493.5)   | 0.010734 (0.0075601, 0.0147423) |
| Riau     | Maternal disorders                            | 50  |                            |                                 | 21.6 (6.7, 53.6)           | 0.000213 (0.0000665, 0.0005292) |
| Riau     | Other communicable diseases                   | 50  | 754.1 (491.5, 1,122.2)     | 0.006604 (0.0043043, 0.0098279) | 644.6 (415.1, 939.6)       | 0.006363 (0.0040976, 0.0092751) |
| Riau     | Tracheal, bronchus, and lung cancer           | 50  | 820.5 (444.5, 1,378.9)     | 0.007185 (0.0038928, 0.0120764) | 268.8 (136.9, 469.4)       | 0.002654 (0.0013518, 0.0046334) |
| Riau     | Breast cancer                                 | 50  | 23.7 (9.4, 52.6)           | 0.000207 (0.0000822, 0.0004606) | 1,194.3 (737.6, 1,834.0)   | 0.011789 (0.0072807, 0.0181035) |
| Riau     | Cervical cancer                               | 50  |                            |                                 | 667.2 (305.0, 1,192.8)     | 0.006586 (0.0030105, 0.0117738) |
| Riau     | Other malignant neoplasms                     | 50  | 1,446.8 (982.3, 2,070.9)   | 0.012671 (0.0086026, 0.0181359) | 879.4 (536.1, 1,349.4)     | 0.008681 (0.0052919, 0.0133200) |
| Riau     | Cerebrovascular disease                       | 50  | 6,087.2 (4,623.9, 8,108.5) | 0.053309 (0.0404948, 0.0710111) | 5,752.0 (4,384.6, 7,453.6) | 0.056778 (0.0432810, 0.0735750) |
| Riau     | Ischemic heart disease                        | 50  | 6,323.3 (4,781.2, 8,479.8) | 0.055377 (0.0418724, 0.0742635) | 3,100.3 (2,241.6, 4,231.0) | 0.030603 (0.0221272, 0.0417649) |
| Riau     | Other cardiovascular and circulatory diseases | 50  | 1,041.8 (640.6, 1,585.8)   | 0.009124 (0.0056101, 0.0138879) | 1,162.0 (749.0, 1,699.3)   | 0.011470 (0.0073938, 0.0167737) |
| Riau     | Diabetes mellitus                             | 50  | 2,854.1 (1,960.2, 3,944.8) | 0.024995 (0.0171669, 0.0345469) | 2,686.7 (1,834.2, 3,704.5) | 0.026521 (0.0181057, 0.0365676) |
| Riau     | Chronic kidney disease                        | 50  | 1,202.0 (792.7, 1,759.0)   | 0.010527 (0.0069418, 0.0154046) | 854.5 (516.3, 1,356.7)     | 0.008434 (0.0050969, 0.0133919) |
| Riau     | Cirrhosis                                     | 50  | 1,533.3 (1,003.0, 2,310.8) | 0.013428 (0.0087843, 0.0202370) | 818.4 (524.5, 1,223.2)     | 0.008079 (0.0051773, 0.0120747) |
| Riau     | Chronic respiratory diseases                  | 50  | 1,253.0 (843.1, 1,803.0)   | 0.010974 (0.0073836, 0.0157898) | 824.0 (568.0, 1,159.9)     | 0.008134 (0.0056064, 0.0114499) |
| Riau     | Other non-communicable diseases               | 50  | 1,884.8 (1,333.7, 2,680.9) | 0.016506 (0.0116798, 0.0234787) | 1,853.0 (1,345.6, 2,504.2) | 0.018291 (0.0132828, 0.0247193) |
| Riau     | Drowning                                      | 50  | 72.9 (30.4, 140.5)         | 0.000638 (0.0002665, 0.0012308) | 34.1 (15.0, 67.0)          | 0.000337 (0.0001483, 0.0006617) |
| Riau     | Falls                                         | 50  | 367.9 (189.7, 633.6)       | 0.003222 (0.0016617, 0.0055485) | 197.7 (102.8, 344.5)       | 0.001951 (0.0010144, 0.0034004) |
| Riau     | Interpersonal violence                        | 50  | 88.9 (43.4, 164.4)         | 0.000779 (0.0003802, 0.0014398) | 47.7 (21.7, 89.9)          | 0.000471 (0.0002145, 0.0008870) |
| Riau     | Self-harm                                     | 50  | 72.6 (31.8, 145.4)         | 0.000636 (0.0002784, 0.0012736) | 30.2 (12.2, 58.7)          | 0.000298 (0.0001206, 0.0005793) |
| Riau     | Transport injuries                            | 50  | 1,333.0 (891.3, 2,003.7)   | 0.011674 (0.0078053, 0.0175480) | 463.5 (300.5, 702.0)       | 0.004575 (0.0029659, 0.0069295) |
| Riau     | Other unintentional injuries                  | 50  | 533.3 (311.0, 889.0)       | 0.004670 (0.0027235, 0.0077858) | 204.3 (115.6, 338.1)       | 0.002016 (0.0011412, 0.0033377) |
| Riau     | Diarrheal diseases                            | 55  | 460.9 (280.0, 709.5)       | 0.005762 (0.0035003, 0.0088705) | 464.9 (297.3, 658.2)       | 0.007323 (0.0046826, 0.0103679) |
| Riau     | HIV/AIDS                                      | 55  | 9.1 (2.3, 20.7)            | 0.000114 (0.0000284, 0.0002592) | 7.1 (1.8, 17.2)            | 0.000112 (0.0000278, 0.0002717) |
| Riau     | Lower respiratory infections                  | 55  | 307.4 (177.9, 490.8)       | 0.003844 (0.0022240, 0.0061360) | 227.7 (136.2, 356.5)       | 0.003587 (0.0021458, 0.0056161) |
| Riau     | Malaria                                       | 55  | 42.8 (8.4, 127.4)          | 0.000535 (0.0001051, 0.0015923) | 22.7 (4.2, 66.7)           | 0.000358 (0.0000666, 0.0010500) |
| Riau     | Tuberculosis                                  | 55  | 1,457.8 (1,012.4, 2,115.3) | 0.018226 (0.0126585, 0.0264477) | 745.4 (508.9, 1,019.3)     | 0.011743 (0.0080169, 0.0160561) |
| Riau     | Other communicable diseases                   | 55  | 625.1 (401.5, 958.1)       | 0.007816 (0.0050205, 0.0119790) | 475.3 (303.0, 696.8)       | 0.007487 (0.0047733, 0.0109757) |
| Riau     | Tracheal, bronchus, and lung cancer           | 55  | 693.8 (381.0, 1,173.9)     | 0.008675 (0.0047630, 0.0146778) | 182.1 (90.1, 316.4)        | 0.002869 (0.0014191, 0.0049840) |
| Riau     | Breast cancer                                 | 55  | 19.3 (7.7, 40.3)           | 0.000241 (0.0000962, 0.0005035) | 716.7 (441.9, 1,099.2)     | 0.011291 (0.0069615, 0.0173145) |
| Riau     | Cervical cancer                               | 55  |                            |                                 | 387.5 (174.9, 663.8)       | 0.006104 (0.0027549, 0.0104558) |
| Riau     | Other malignant neoplasms                     | 55  | 985.2 (658.2, 1,456.1)     | 0.012319 (0.0082296, 0.0182058) | 608.6 (360.9, 926.9)       | 0.009588 (0.0056855, 0.0146014) |
| Riau     | Cerebrovascular disease                       | 55  | 6,175.0 (4,622.5, 8,353.4) | 0.077205 (0.0577943, 0.1044416) | 5,347.9 (4,136.1, 6,835.3) | 0.084243 (0.0651549, 0.1076732) |
| Riau     | Ischemic heart disease                        | 55  | 6,091.7 (4,552.9, 8,228.7) | 0.076164 (0.0569241, 0.1028832) | 2,811.3 (2,078.2, 3,738.4) | 0.044285 (0.0327370, 0.0588901) |
| Riau     | Other cardiovascular and circulatory diseases | 55  | 1,029.3 (635.2, 1,581.9)   | 0.012870 (0.0079423, 0.0197789) | 1,048.1 (677.7, 1,547.5)   | 0.016511 (0.0106749, 0.0243768) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Riau     | Diabetes mellitus                             | 55  | 2,650.8       | (1,813.7, 3,695.0) | 0.033143                 | (0.0226766, 0.0461987) | 2,299.0       | (1,569.4, 3,116.3) | 0.036215                 | (0.0247227, 0.0490902) |
| Riau     | Chronic kidney disease                        | 55  | 1,012.0       | (665.2, 1,490.1)   | 0.012654                 | (0.0083173, 0.0186306) | 663.4         | (397.4, 1,026.4)   | 0.010451                 | (0.0062600, 0.0161681) |
| Riau     | Cirrhosis                                     | 55  | 1,220.0       | (797.4, 1,883.2)   | 0.015254                 | (0.0099698, 0.0235451) | 598.0         | (388.8, 875.9)     | 0.009420                 | (0.0061240, 0.0137972) |
| Riau     | Chronic respiratory diseases                  | 55  | 1,188.9       | (791.3, 1,743.2)   | 0.014865                 | (0.0098932, 0.0217955) | 715.8         | (506.6, 993.1)     | 0.011275                 | (0.0079802, 0.0156439) |
| Riau     | Other non-communicable diseases               | 55  | 1,707.2       | (1,186.1, 2,437.2) | 0.021345                 | (0.0148298, 0.0304725) | 1,539.1       | (1,126.1, 2,052.6) | 0.024245                 | (0.0177386, 0.0323334) |
| Riau     | Drowning                                      | 55  | 48.2          | (19.4, 99.9)       | 0.000603                 | (0.0002425, 0.0012487) | 19.7          | (7.7, 38.4)        | 0.000310                 | (0.0001215, 0.0006045) |
| Riau     | Falls                                         | 55  | 351.6         | (181.3, 617.8)     | 0.004396                 | (0.0022667, 0.0077245) | 165.5         | (89.3, 283.0)      | 0.002607                 | (0.0014065, 0.0044585) |
| Riau     | Interpersonal violence                        | 55  | 59.1          | (27.5, 114.8)      | 0.000739                 | (0.0003435, 0.0014354) | 27.9          | (12.5, 54.3)       | 0.000440                 | (0.0001962, 0.0008551) |
| Riau     | Self-harm                                     | 55  | 54.8          | (24.0, 108.4)      | 0.000685                 | (0.0002995, 0.0013554) | 20.1          | (8.2, 38.8)        | 0.000317                 | (0.0001295, 0.0006118) |
| Riau     | Transport injuries                            | 55  | 783.4         | (500.0, 1,187.0)   | 0.009795                 | (0.0062518, 0.0148406) | 238.0         | (150.6, 364.5)     | 0.003750                 | (0.0023730, 0.0057415) |
| Riau     | Other unintentional injuries                  | 55  | 377.5         | (209.2, 624.4)     | 0.004720                 | (0.0026158, 0.0078064) | 127.2         | (72.1, 206.1)      | 0.002003                 | (0.0011358, 0.0032471) |
| Riau     | Diarrheal diseases                            | 60  | 406.4         | (256.3, 632.7)     | 0.008845                 | (0.0055794, 0.0137709) | 454.7         | (306.4, 646.7)     | 0.010607                 | (0.0071463, 0.0150856) |
| Riau     | HIV/AIDS                                      | 60  | 5.0           | (1.1, 11.9)        | 0.000109                 | (0.0000234, 0.0002594) | 4.4           | (1.0, 10.7)        | 0.000102                 | (0.0000231, 0.0002488) |
| Riau     | Lower respiratory infections                  | 60  | 322.4         | (181.6, 515.7)     | 0.007017                 | (0.0039527, 0.0112250) | 289.9         | (178.5, 440.9)     | 0.006762                 | (0.0041646, 0.0102850) |
| Riau     | Malaria                                       | 60  | 36.3          | (6.8, 104.2)       | 0.000790                 | (0.0001480, 0.0022672) | 19.4          | (3.4, 54.1)        | 0.000452                 | (0.0000792, 0.0012628) |
| Riau     | Tuberculosis                                  | 60  | 1,367.4       | (962.5, 1,951.6)   | 0.029763                 | (0.0209501, 0.0424804) | 774.1         | (556.8, 1,016.5)   | 0.018057                 | (0.0129881, 0.0237108) |
| Riau     | Other communicable diseases                   | 60  | 390.2         | (239.9, 631.2)     | 0.008493                 | (0.0052226, 0.0137387) | 339.3         | (213.1, 494.1)     | 0.007914                 | (0.0049713, 0.0115263) |
| Riau     | Tracheal, bronchus, and lung cancer           | 60  | 601.9         | (321.3, 994.7)     | 0.013100                 | (0.0069937, 0.0216503) | 147.8         | (73.6, 257.6)      | 0.003447                 | (0.0017160, 0.0060081) |
| Riau     | Breast cancer                                 | 60  | 14.5          | (5.3, 32.1)        | 0.000317                 | (0.0001157, 0.0006994) | 434.2         | (254.6, 665.6)     | 0.010128                 | (0.0059396, 0.0155257) |
| Riau     | Cervical cancer                               | 60  |               |                    |                          |                        | 276.8         | (120.9, 489.0)     | 0.006457                 | (0.0028213, 0.0114057) |
| Riau     | Other malignant neoplasms                     | 60  | 743.9         | (499.3, 1,100.2)   | 0.016192                 | (0.0108686, 0.0239471) | 515.2         | (322.0, 777.6)     | 0.012017                 | (0.0075102, 0.0181389) |
| Riau     | Cerebrovascular disease                       | 60  | 5,362.6       | (4,074.8, 7,302.3) | 0.116724                 | (0.0886942, 0.1589445) | 5,163.9       | (4,139.6, 6,360.2) | 0.120454                 | (0.0965608, 0.1483599) |
| Riau     | Ischemic heart disease                        | 60  | 4,791.6       | (3,565.1, 6,545.4) | 0.104297                 | (0.0775992, 0.1424692) | 2,535.6       | (1,924.4, 3,271.6) | 0.059146                 | (0.0448887, 0.0763136) |
| Riau     | Other cardiovascular and circulatory diseases | 60  | 923.1         | (576.2, 1,403.7)   | 0.020093                 | (0.0125420, 0.0305545) | 978.7         | (652.5, 1,405.2)   | 0.022829                 | (0.0152210, 0.0327777) |
| Riau     | Diabetes mellitus                             | 60  | 1,909.7       | (1,311.4, 2,666.5) | 0.041567                 | (0.0285452, 0.0580404) | 1,799.2       | (1,262.3, 2,413.7) | 0.041968                 | (0.0294449, 0.0563029) |
| Riau     | Chronic kidney disease                        | 60  | 757.7         | (496.7, 1,143.6)   | 0.016491                 | (0.0108109, 0.0248911) | 525.1         | (314.1, 796.6)     | 0.012248                 | (0.0073274, 0.0185819) |
| Riau     | Cirrhosis                                     | 60  | 826.6         | (528.5, 1,280.3)   | 0.017993                 | (0.0115040, 0.0278684) | 460.4         | (303.6, 668.3)     | 0.010739                 | (0.0070826, 0.0155880) |
| Riau     | Chronic respiratory diseases                  | 60  | 1,379.8       | (959.6, 1,974.8)   | 0.030033                 | (0.0208879, 0.0429846) | 858.1         | (630.7, 1,140.1)   | 0.020016                 | (0.0147128, 0.0265936) |
| Riau     | Other non-communicable diseases               | 60  | 1,539.3       | (1,092.5, 2,198.2) | 0.033506                 | (0.0237807, 0.0478464) | 1,499.3       | (1,124.8, 1,959.4) | 0.034973                 | (0.0262372, 0.0457062) |
| Riau     | Drowning                                      | 60  | 26.2          | (9.7, 55.6)        | 0.000570                 | (0.0002106, 0.0012111) | 14.1          | (5.5, 29.1)        | 0.000328                 | (0.0001272, 0.0006790) |
| Riau     | Falls                                         | 60  | 219.8         | (111.0, 389.3)     | 0.004784                 | (0.0024156, 0.0084730) | 127.4         | (67.2, 210.9)      | 0.002973                 | (0.0015670, 0.0049206) |
| Riau     | Interpersonal violence                        | 60  | 32.6          | (14.2, 65.9)       | 0.000709                 | (0.0003099, 0.0014342) | 16.0          | (7.0, 32.7)        | 0.000374                 | (0.0001623, 0.0007624) |
| Riau     | Self-harm                                     | 60  | 34.6          | (14.8, 71.1)       | 0.000752                 | (0.0003217, 0.0015471) | 12.8          | (5.2, 25.6)        | 0.000299                 | (0.0001206, 0.0005960) |
| Riau     | Transport injuries                            | 60  | 495.6         | (307.0, 761.2)     | 0.010788                 | (0.0066812, 0.0165695) | 177.1         | (106.2, 261.4)     | 0.004131                 | (0.0024781, 0.0060977) |
| Riau     | Other unintentional injuries                  | 60  | 235.4         | (129.1, 384.8)     | 0.005124                 | (0.0028096, 0.0083766) | 89.0          | (49.6, 142.0)      | 0.002076                 | (0.0011581, 0.0033134) |
| Riau     | Diarrheal diseases                            | 65  | 522.1         | (335.2, 817.7)     | 0.015870                 | (0.0101906, 0.0248590) | 602.4         | (427.5, 818.8)     | 0.019280                 | (0.0136822, 0.0262037) |
| Riau     | HIV/AIDS                                      | 65  | 4.0           | (1.0, 10.2)        | 0.000121                 | (0.0000293, 0.0003090) | 3.6           | (0.9, 9.0)         | 0.000115                 | (0.0000291, 0.0002888) |
| Riau     | Lower respiratory infections                  | 65  | 313.1         | (178.1, 504.7)     | 0.009518                 | (0.0054151, 0.0153417) | 293.9         | (185.6, 442.9)     | 0.009407                 | (0.0059408, 0.0141755) |
| Riau     | Malaria                                       | 65  | 29.0          | (5.6, 90.2)        | 0.000881                 | (0.0001697, 0.0027412) | 15.7          | (2.9, 44.4)        | 0.000502                 | (0.0000927, 0.0014221) |
| Riau     | Tuberculosis                                  | 65  | 1,189.7       | (829.8, 1,774.4)   | 0.036167                 | (0.0252256, 0.0539426) | 692.9         | (488.3, 941.0)     | 0.022174                 | (0.0156272, 0.0301142) |
| Riau     | Other communicable diseases                   | 65  | 295.1         | (172.9, 472.5)     | 0.008971                 | (0.0052572, 0.0143632) | 266.4         | (165.3, 396.0)     | 0.008525                 | (0.0052906, 0.0126740) |
| Riau     | Tracheal, bronchus, and lung cancer           | 65  | 427.2         | (214.3, 758.1)     | 0.012988                 | (0.0065153, 0.0230456) | 102.1         | (50.0, 179.4)      | 0.003268                 | (0.0016009, 0.0057411) |
| Riau     | Breast cancer                                 | 65  | 9.7           | (3.0, 22.6)        | 0.000294                 | (0.0000912, 0.0006882) | 274.6         | (159.9, 440.8)     | 0.008787                 | (0.0051174, 0.0141083) |
| Riau     | Cervical cancer                               | 65  |               |                    |                          |                        | 174.5         | (76.2, 304.8)      | 0.005584                 | (0.0024371, 0.0097548) |
| Riau     | Other malignant neoplasms                     | 65  | 489.6         | (325.1, 744.7)     | 0.014884                 | (0.0098828, 0.0226395) | 437.2         | (275.3, 643.7)     | 0.013991                 | (0.0088108, 0.0206006) |
| Riau     | Cerebrovascular disease                       | 65  | 4,784.6       | (3,625.0, 6,625.3) | 0.145450                 | (0.1101992, 0.2014092) | 4,927.0       | (4,008.6, 6,006.5) | 0.157676                 | (0.1282855, 0.1922253) |
| Riau     | Ischemic heart disease                        | 65  | 4,018.2       | (2,967.1, 5,660.5) | 0.122154                 | (0.0902004, 0.1720774) | 2,252.4       | (1,706.7, 2,895.0) | 0.072085                 | (0.0546192, 0.0926470) |
| Riau     | Other cardiovascular and circulatory diseases | 65  | 871.3         | (541.5, 1,352.4)   | 0.026487                 | (0.0164629, 0.0411122) | 987.6         | (666.7, 1,402.8)   | 0.031606                 | (0.0213368, 0.0448922) |
| Riau     | Diabetes mellitus                             | 65  | 1,313.0       | (882.0, 1,902.4)   | 0.039916                 | (0.0268128, 0.0578334) | 1,338.5       | (927.7, 1,815.4)   | 0.042835                 | (0.0296890, 0.0580971) |
| Riau     | Chronic kidney disease                        | 65  | 605.2         | (399.2, 940.6)     | 0.018398                 | (0.0121354, 0.0285937) | 450.5         | (265.1, 681.1)     | 0.014417                 | (0.0084830, 0.0217983) |
| Riau     | Cirrhosis                                     | 65  | 552.7         | (345.6, 873.0)     | 0.016803                 | (0.0105076, 0.0265392) | 333.6         | (215.7, 483.9)     | 0.010676                 | (0.0069017, 0.0154849) |
| Riau     | Chronic respiratory diseases                  | 65  | 1,336.7       | (932.0, 1,926.6)   | 0.040637                 | (0.0283330, 0.0585678) | 882.9         | (666.2, 1,155.4)   | 0.028256                 | (0.0213187, 0.0369772) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Riau     | Other non-communicable diseases               | 65  | 1,478.0 (1,033.1, 2,129.8) | 0.044933 (0.0314050, 0.0647455) | 1,539.7 (1,184.4, 1,968.8) | 0.049275 (0.0379049, 0.0630071) |
| Riau     | Drowning                                      | 65  | 17.6 (5.7, 40.5)           | 0.000534 (0.0001746, 0.0012299) | 10.1 (3.6, 21.6)           | 0.000325 (0.0001137, 0.0006927) |
| Riau     | Falls                                         | 65  | 188.6 (95.3, 338.9)        | 0.005732 (0.0028959, 0.0103030) | 116.5 (64.9, 195.9)        | 0.003729 (0.0020766, 0.0062678) |
| Riau     | Interpersonal violence                        | 65  | 20.8 (8.5, 43.4)           | 0.000633 (0.0002595, 0.0013185) | 10.6 (4.5, 23.4)           | 0.000340 (0.0001452, 0.0007477) |
| Riau     | Self-harm                                     | 65  | 25.3 (10.4, 53.8)          | 0.000768 (0.0003150, 0.0016370) | 9.7 (3.9, 19.8)            | 0.000311 (0.0001245, 0.0006334) |
| Riau     | Transport injuries                            | 65  | 338.8 (204.0, 532.7)       | 0.010301 (0.0062030, 0.0161954) | 128.2 (77.7, 198.4)        | 0.004101 (0.0024860, 0.0063508) |
| Riau     | Other unintentional injuries                  | 65  | 176.4 (98.1, 298.2)        | 0.005362 (0.0029828, 0.0090663) | 70.2 (38.7, 114.7)         | 0.002245 (0.0012382, 0.0036698) |
| Riau     | Diarrheal diseases                            | 70  | 578.4 (382.7, 870.9)       | 0.028173 (0.0186426, 0.0424206) | 679.2 (506.9, 889.8)       | 0.032337 (0.0241328, 0.0423609) |
| Riau     | HIV/AIDS                                      | 70  | 4.2 (1.1, 10.7)            | 0.000203 (0.0000523, 0.0005228) | 3.9 (1.1, 10.1)            | 0.000188 (0.0000511, 0.0004816) |
| Riau     | Lower respiratory infections                  | 70  | 330.1 (194.9, 521.5)       | 0.016081 (0.0094946, 0.0254014) | 328.2 (216.8, 472.1)       | 0.015625 (0.0103196, 0.0224732) |
| Riau     | Malaria                                       | 70  | 19.5 (3.6, 61.4)           | 0.000951 (0.0001759, 0.0029902) | 11.1 (2.0, 30.9)           | 0.000528 (0.0000953, 0.0014697) |
| Riau     | Tuberculosis                                  | 70  | 923.1 (639.8, 1,392.9)     | 0.044962 (0.0311658, 0.0678440) | 596.4 (420.7, 800.2)       | 0.028395 (0.0200306, 0.0380962) |
| Riau     | Other communicable diseases                   | 70  | 248.8 (147.4, 394.1)       | 0.012120 (0.0071808, 0.0191969) | 226.8 (144.2, 334.9)       | 0.010795 (0.0068636, 0.0159419) |
| Riau     | Tracheal, bronchus, and lung cancer           | 70  | 284.0 (142.0, 500.2)       | 0.013835 (0.0069162, 0.0243635) | 73.6 (35.7, 129.7)         | 0.003505 (0.0017011, 0.0061757) |
| Riau     | Breast cancer                                 | 70  | 5.0 (1.3, 12.3)            | 0.000244 (0.0000647, 0.0005997) | 139.5 (81.0, 220.9)        | 0.006641 (0.0038579, 0.0105179) |
| Riau     | Cervical cancer                               | 70  |                            |                                 | 89.7 (38.7, 163.1)         | 0.004269 (0.0018420, 0.0077631) |
| Riau     | Other malignant neoplasms                     | 70  | 290.4 (191.4, 450.5)       | 0.014143 (0.0093241, 0.0219411) | 298.1 (196.7, 428.4)       | 0.014194 (0.0093663, 0.0203967) |
| Riau     | Cerebrovascular disease                       | 70  | 3,889.6 (2,933.9, 5,424.6) | 0.189455 (0.1429052, 0.2642209) | 4,420.0 (3,670.1, 5,277.6) | 0.210424 (0.1747240, 0.2512526) |
| Riau     | Ischemic heart disease                        | 70  | 2,994.3 (2,227.5, 4,196.9) | 0.145848 (0.1084968, 0.2044230) | 1,975.6 (1,526.3, 2,498.5) | 0.094055 (0.0726609, 0.1189479) |
| Riau     | Other cardiovascular and circulatory diseases | 70  | 746.0 (466.0, 1,167.5)     | 0.036337 (0.0226964, 0.0568655) | 913.0 (623.1, 1,271.7)     | 0.043468 (0.0296643, 0.0605407) |
| Riau     | Diabetes mellitus                             | 70  | 757.9 (500.8, 1,126.9)     | 0.036915 (0.0243918, 0.0548893) | 868.9 (615.0, 1,180.1)     | 0.041368 (0.0292782, 0.0561814) |
| Riau     | Chronic kidney disease                        | 70  | 401.4 (258.3, 631.0)       | 0.019549 (0.0125816, 0.0307349) | 336.9 (198.3, 513.6)       | 0.016040 (0.0094392, 0.0244516) |
| Riau     | Cirrhosis                                     | 70  | 372.5 (231.2, 598.8)       | 0.018143 (0.0112599, 0.0291663) | 247.1 (161.0, 356.2)       | 0.011766 (0.0076626, 0.0169565) |
| Riau     | Chronic respiratory diseases                  | 70  | 1,311.8 (924.3, 1,922.9)   | 0.063896 (0.0450198, 0.0936628) | 913.4 (705.7, 1,167.3)     | 0.043486 (0.0335966, 0.0555726) |
| Riau     | Other non-communicable diseases               | 70  | 1,288.2 (918.4, 1,876.0)   | 0.062746 (0.0447347, 0.0913765) | 1,465.8 (1,135.9, 1,846.3) | 0.069781 (0.0540794, 0.0878983) |
| Riau     | Drowning                                      | 70  | 24.9 (9.9, 56.1)           | 0.001214 (0.0004800, 0.0027309) | 14.7 (6.5, 30.4)           | 0.000698 (0.0003093, 0.0014449) |
| Riau     | Falls                                         | 70  | 169.8 (87.3, 289.8)        | 0.008268 (0.0042517, 0.0141158) | 109.4 (62.7, 172.7)        | 0.005207 (0.0029851, 0.0082205) |
| Riau     | Interpersonal violence                        | 70  | 10.8 (4.0, 24.3)           | 0.000526 (0.0001966, 0.0011859) | 6.1 (2.2, 14.2)            | 0.000291 (0.0001060, 0.0006755) |
| Riau     | Self-harm                                     | 70  | 15.2 (6.1, 31.1)           | 0.000742 (0.0002986, 0.0015172) | 6.5 (2.6, 13.3)            | 0.000310 (0.0001252, 0.0006348) |
| Riau     | Transport injuries                            | 70  | 254.0 (153.4, 411.3)       | 0.012373 (0.0074730, 0.0200332) | 101.5 (61.5, 156.7)        | 0.004832 (0.0029274, 0.0074606) |
| Riau     | Other unintentional injuries                  | 70  | 131.3 (72.0, 227.3)        | 0.006396 (0.0035062, 0.0110712) | 56.2 (31.0, 92.9)          | 0.002673 (0.0014771, 0.0044232) |
| Riau     | Diarrheal diseases                            | 75  | 340.1 (229.8, 529.2)       | 0.034660 (0.0234207, 0.0539269) | 529.8 (403.1, 689.9)       | 0.045713 (0.0347814, 0.0595287) |
| Riau     | HIV/AIDS                                      | 75  | 1.7 (0.4, 4.3)             | 0.000169 (0.0000428, 0.0004333) | 2.0 (0.6, 5.1)             | 0.000173 (0.0000478, 0.0004408) |
| Riau     | Lower respiratory infections                  | 75  | 173.9 (102.2, 281.0)       | 0.017718 (0.0104164, 0.0286369) | 227.3 (149.0, 325.1)       | 0.019616 (0.0128533, 0.0280521) |
| Riau     | Malaria                                       | 75  | 10.2 (1.8, 30.0)           | 0.001041 (0.0001871, 0.0030591) | 7.2 (1.3, 20.4)            | 0.000622 (0.0001134, 0.0017562) |
| Riau     | Tuberculosis                                  | 75  | 412.0 (275.8, 642.6)       | 0.041983 (0.0281093, 0.0654869) | 325.6 (225.2, 441.5)       | 0.028094 (0.0194308, 0.0380966) |
| Riau     | Other communicable diseases                   | 75  | 116.6 (66.6, 193.4)        | 0.011885 (0.0067891, 0.0197057) | 144.0 (91.1, 218.7)        | 0.012426 (0.0078594, 0.0188711) |
| Riau     | Tracheal, bronchus, and lung cancer           | 75  | 115.9 (54.5, 209.8)        | 0.011809 (0.0055581, 0.0213790) | 36.9 (17.4, 67.3)          | 0.003180 (0.0015036, 0.0058061) |
| Riau     | Breast cancer                                 | 75  | 1.7 (0.4, 4.4)             | 0.000171 (0.0000413, 0.0004457) | 61.1 (31.9, 101.8)         | 0.005272 (0.0027493, 0.0087882) |
| Riau     | Cervical cancer                               | 75  |                            |                                 | 37.9 (15.3, 70.9)          | 0.003267 (0.0013201, 0.0061153) |
| Riau     | Other malignant neoplasms                     | 75  | 113.4 (72.3, 181.5)        | 0.011558 (0.0073725, 0.0184975) | 173.9 (115.6, 243.7)       | 0.015009 (0.0099781, 0.0210246) |
| Riau     | Cerebrovascular disease                       | 75  | 1,973.8 (1,480.8, 2,829.4) | 0.201147 (0.1509068, 0.2883320) | 3,018.3 (2,510.8, 3,558.4) | 0.260435 (0.2166458, 0.3070412) |
| Riau     | Ischemic heart disease                        | 75  | 1,658.5 (1,227.1, 2,386.2) | 0.169006 (0.1250533, 0.2431692) | 1,441.3 (1,128.2, 1,805.0) | 0.124361 (0.0973469, 0.1557453) |
| Riau     | Other cardiovascular and circulatory diseases | 75  | 392.4 (241.1, 622.8)       | 0.039986 (0.0245720, 0.0634637) | 635.4 (439.1, 876.3)       | 0.054825 (0.0378880, 0.0756111) |
| Riau     | Diabetes mellitus                             | 75  | 328.0 (217.3, 496.8)       | 0.033427 (0.0221461, 0.0506279) | 495.1 (346.5, 676.5)       | 0.042717 (0.0298985, 0.0583690) |
| Riau     | Chronic kidney disease                        | 75  | 186.9 (118.9, 297.9)       | 0.019050 (0.0121121, 0.0303528) | 203.0 (119.3, 312.4)       | 0.017514 (0.0102965, 0.0269516) |
| Riau     | Cirrhosis                                     | 75  | 165.0 (101.7, 268.4)       | 0.016814 (0.0103659, 0.0273525) | 148.6 (98.8, 213.2)        | 0.012824 (0.0085227, 0.0183986) |
| Riau     | Chronic respiratory diseases                  | 75  | 671.5 (468.7, 992.2)       | 0.068427 (0.0477680, 0.1011081) | 602.1 (462.0, 766.1)       | 0.051950 (0.0398628, 0.0661009) |
| Riau     | Other non-communicable diseases               | 75  | 751.7 (529.0, 1,121.1)     | 0.076604 (0.0539128, 0.1142509) | 1,140.4 (888.6, 1,430.6)   | 0.098400 (0.0766707, 0.1234387) |
| Riau     | Drowning                                      | 75  | 16.8 (6.7, 36.6)           | 0.001713 (0.0006832, 0.0037321) | 13.9 (6.1, 28.9)           | 0.001203 (0.0005304, 0.0024916) |
| Riau     | Falls                                         | 75  | 100.1 (54.7, 169.2)        | 0.010204 (0.0055758, 0.0172467) | 87.7 (52.8, 137.4)         | 0.007570 (0.0045571, 0.0118573) |
| Riau     | Interpersonal violence                        | 75  | 4.4 (1.2, 11.2)            | 0.000444 (0.0001198, 0.0011401) | 3.0 (0.9, 7.8)             | 0.000257 (0.0000753, 0.0006735) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|----------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Riau     | Self-harm                                                | 75  | 7.5 (3.0, 15.7)               | 0.000762 (0.0003021, 0.0016046) | 3.8 (1.5, 7.9)                | 0.000331 (0.0001294, 0.0006811) |
| Riau     | Transport injuries                                       | 75  | 94.7 (51.8, 160.9)            | 0.009647 (0.0052807, 0.0163923) | 49.9 (27.6, 80.0)             | 0.004304 (0.0023800, 0.0069055) |
| Riau     | Other unintentional injuries                             | 75  | 64.0 (33.2, 115.6)            | 0.006517 (0.0033877, 0.0117787) | 35.0 (18.8, 59.6)             | 0.003022 (0.0016244, 0.0051398) |
| Riau     | Diarrheal diseases                                       | 80  | 738.9 (554.7, 1,019.2)        | 0.092194 (0.0692040, 0.1271597) | 1,288.2 (1,031.6, 1,584.7)    | 0.113312 (0.0907354, 0.1393854) |
| Riau     | HIV/AIDS                                                 | 80  | 2.2 (0.5, 6.0)                | 0.000273 (0.0000591, 0.0007542) | 3.3 (0.8, 8.8)                | 0.000286 (0.0000676, 0.0007773) |
| Riau     | Lower respiratory infections                             | 80  | 278.1 (167.9, 406.0)          | 0.034702 (0.0209434, 0.0506561) | 423.6 (276.1, 590.6)          | 0.037260 (0.0242857, 0.0519474) |
| Riau     | Malaria                                                  | 80  | 12.9 (2.2, 38.7)              | 0.001615 (0.0002794, 0.0048242) | 12.1 (2.0, 35.4)              | 0.001062 (0.0001791, 0.0031122) |
| Riau     | Tuberculosis                                             | 80  | 459.6 (320.3, 663.1)          | 0.057336 (0.0399645, 0.0827349) | 508.9 (351.9, 685.2)          | 0.044763 (0.0309510, 0.0602730) |
| Riau     | Other communicable diseases                              | 80  | 178.4 (109.1, 272.8)          | 0.022263 (0.0136130, 0.0340399) | 236.6 (145.1, 354.3)          | 0.020808 (0.0127669, 0.0311600) |
| Riau     | Tracheal, bronchus, and lung cancer                      | 80  | 106.7 (50.6, 189.1)           | 0.013317 (0.0063089, 0.0235932) | 49.2 (21.5, 92.4)             | 0.004328 (0.0018886, 0.0081251) |
| Riau     | Breast cancer                                            | 80  | 1.4 (0.3, 3.9)                | 0.000174 (0.0000387, 0.0004875) | 64.4 (30.8, 112.8)            | 0.005664 (0.0027119, 0.0099201) |
| Riau     | Cervical cancer                                          | 80  |                               |                                 | 33.8 (10.9, 70.8)             | 0.002970 (0.0009617, 0.0062304) |
| Riau     | Other malignant neoplasms                                | 80  | 111.3 (74.5, 161.9)           | 0.013884 (0.0092986, 0.0201939) | 220.2 (150.0, 311.6)          | 0.019366 (0.0131915, 0.0274066) |
| Riau     | Cerebrovascular disease                                  | 80  | 2,530.3 (2,056.4, 3,255.1)    | 0.315695 (0.2565676, 0.4061199) | 4,861.3 (4,181.1, 5,586.8)    | 0.427589 (0.3677593, 0.4914076) |
| Riau     | Ischemic heart disease                                   | 80  | 1,884.3 (1,502.1, 2,451.9)    | 0.235097 (0.1874049, 0.3059097) | 2,291.5 (1,800.8, 2,827.6)    | 0.201557 (0.1583982, 0.2487072) |
| Riau     | Other cardiovascular and circulatory diseases            | 80  | 456.1 (296.2, 670.3)          | 0.056900 (0.0369525, 0.0836316) | 942.6 (651.6, 1,327.1)        | 0.082908 (0.0573170, 0.1167271) |
| Riau     | Diabetes mellitus                                        | 80  | 319.8 (221.5, 454.0)          | 0.039906 (0.0276375, 0.0566445) | 642.9 (445.8, 878.9)          | 0.056547 (0.0392105, 0.0773058) |
| Riau     | Chronic kidney disease                                   | 80  | 183.2 (121.2, 276.1)          | 0.022863 (0.0151157, 0.0344491) | 274.2 (162.3, 416.9)          | 0.024115 (0.0142721, 0.0366736) |
| Riau     | Cirrhosis                                                | 80  | 180.6 (117.8, 279.6)          | 0.022532 (0.0147029, 0.0348877) | 198.7 (128.0, 291.6)          | 0.017481 (0.0112551, 0.0256492) |
| Riau     | Chronic respiratory diseases                             | 80  | 841.5 (632.4, 1,132.5)        | 0.104991 (0.0789067, 0.1412935) | 948.6 (727.7, 1,203.8)        | 0.083439 (0.0640079, 0.1058853) |
| Riau     | Other non-communicable diseases                          | 80  | 1,048.5 (802.6, 1,434.6)      | 0.130815 (0.1001321, 0.1789924) | 2,007.7 (1,616.9, 2,453.8)    | 0.176592 (0.1422229, 0.2158352) |
| Riau     | Drowning                                                 | 80  | 24.3 (9.2, 52.9)              | 0.003029 (0.0011473, 0.0066018) | 19.2 (7.5, 40.1)              | 0.001689 (0.0006636, 0.0035267) |
| Riau     | Falls                                                    | 80  | 178.1 (107.4, 280.4)          | 0.022219 (0.0133946, 0.0349787) | 163.2 (105.8, 245.1)          | 0.014357 (0.0093090, 0.0215595) |
| Riau     | Interpersonal violence                                   | 80  | 3.8 (0.7, 11.9)               | 0.000469 (0.0000868, 0.0014799) | 3.5 (0.7, 11.5)               | 0.000312 (0.0000656, 0.0010143) |
| Riau     | Self-harm                                                | 80  | 7.5 (2.7, 16.3)               | 0.000931 (0.0003414, 0.0020333) | 5.5 (2.0, 12.7)               | 0.000486 (0.0001741, 0.0011215) |
| Riau     | Transport injuries                                       | 80  | 105.4 (58.6, 176.7)           | 0.013145 (0.0073097, 0.0220418) | 62.5 (32.3, 108.0)            | 0.005499 (0.0028435, 0.0094962) |
| Riau     | Other unintentional injuries                             | 80  | 73.3 (36.0, 129.1)            | 0.009141 (0.0044918, 0.0161025) | 48.8 (23.3, 89.3)             | 0.004291 (0.0020491, 0.0078524) |
| Riau     | Diarrheal diseases                                       | All | 19,722.0 (12,718.8, 29,551.3) | 0.006481 (0.0041797, 0.0097113) | 20,445.8 (13,461.9, 30,946.1) | 0.007116 (0.0046854, 0.0107707) |
| Riau     | HIV/AIDS                                                 | All | 2,788.3 (968.9, 5,507.0)      | 0.000916 (0.0003184, 0.0018097) | 1,288.2 (419.9, 2,688.1)      | 0.000448 (0.0001461, 0.0009356) |
| Riau     | Lower respiratory infections                             | All | 31,493.3 (19,492.2, 46,547.4) | 0.010350 (0.0064056, 0.0152966) | 21,043.4 (13,234.9, 30,690.8) | 0.007324 (0.0046063, 0.0106818) |
| Riau     | Malaria                                                  | All | 1,128.8 (226.4, 3,191.3)      | 0.000371 (0.0000744, 0.0010488) | 530.0 (112.2, 1,435.2)        | 0.000185 (0.0000391, 0.0004995) |
| Riau     | Tuberculosis                                             | All | 27,722.1 (20,844.6, 37,967.9) | 0.009110 (0.0068501, 0.0124772) | 11,795.7 (8,452.7, 15,742.7)  | 0.004105 (0.0029419, 0.0054792) |
| Riau     | Maternal disorders                                       | All |                               |                                 | 10,303.8 (7,680.8, 13,587.6)  | 0.003586 (0.0026733, 0.0047291) |
| Riau     | Neonatal encephalopathy due to birth asphyxia and trauma | All | 40,219.1 (19,676.9, 66,097.9) | 0.013217 (0.0064663, 0.0217214) | 25,064.6 (12,701.7, 43,606.8) | 0.008724 (0.0044208, 0.0151772) |
| Riau     | Preterm birth complications                              | All | 42,312.3 (20,588.0, 69,038.8) | 0.013905 (0.0067657, 0.0226879) | 35,226.2 (17,809.9, 59,196.7) | 0.012260 (0.0061987, 0.0206031) |
| Riau     | Other neonatal disorders                                 | All | 16,033.6 (6,392.3, 32,120.8)  | 0.005269 (0.0021007, 0.0105557) | 9,651.7 (3,614.9, 19,805.5)   | 0.003359 (0.0012581, 0.0068932) |
| Riau     | Other communicable diseases                              | All | 41,129.8 (28,907.6, 60,182.0) | 0.013516 (0.0094998, 0.0197773) | 28,283.3 (18,135.1, 42,907.2) | 0.009844 (0.0063119, 0.0149337) |
| Riau     | Tracheal, bronchus, and lung cancer                      | All | 5,562.4 (3,069.1, 9,258.8)    | 0.001828 (0.0010086, 0.0030427) | 2,247.0 (1,126.3, 3,809.1)    | 0.000782 (0.0003920, 0.0013257) |
| Riau     | Breast cancer                                            | All | 174.7 (69.0, 410.8)           | 0.000057 (0.0000227, 0.0001350) | 10,414.1 (6,457.3, 15,710.7)  | 0.003625 (0.0022474, 0.0054680) |
| Riau     | Cervical cancer                                          | All |                               |                                 | 5,640.1 (2,596.2, 9,662.1)    | 0.001963 (0.0009036, 0.0033628) |
| Riau     | Other malignant neoplasms                                | All | 19,178.1 (13,931.3, 26,202.6) | 0.006302 (0.0045782, 0.0086108) | 14,332.9 (9,905.8, 19,787.8)  | 0.004989 (0.0034477, 0.0068871) |
| Riau     | Cerebrovascular disease                                  | All | 49,930.1 (38,820.6, 66,474.3) | 0.016408 (0.0127574, 0.0218451) | 49,959.0 (39,731.4, 62,645.4) | 0.017388 (0.0138283, 0.0218035) |
| Riau     | Ischemic heart disease                                   | All | 52,373.2 (40,149.6, 69,037.6) | 0.017211 (0.0131942, 0.0226875) | 27,742.6 (20,628.2, 36,908.1) | 0.009656 (0.0071795, 0.0128457) |
| Riau     | Other cardiovascular and circulatory diseases            | All | 10,392.6 (6,675.7, 15,481.8)  | 0.003415 (0.0021938, 0.0050877) | 11,755.5 (7,845.7, 17,021.3)  | 0.004092 (0.0027307, 0.0059242) |
| Riau     | Diabetes mellitus                                        | All | 17,198.5 (11,831.7, 23,777.3) | 0.005652 (0.0038882, 0.0078138) | 16,545.2 (11,370.8, 22,822.2) | 0.005759 (0.0039576, 0.0079432) |
| Riau     | Chronic kidney disease                                   | All | 13,598.0 (9,433.9, 19,493.9)  | 0.004469 (0.0031002, 0.0064062) | 10,148.8 (6,241.2, 15,683.7)  | 0.003532 (0.0021722, 0.0054586) |
| Riau     | Cirrhosis                                                | All | 15,799.6 (10,791.2, 23,082.3) | 0.005192 (0.0035463, 0.0075854) | 7,958.1 (5,167.8, 11,651.3)   | 0.002770 (0.0017986, 0.0040552) |
| Riau     | Chronic respiratory diseases                             | All | 16,034.3 (11,329.5, 22,462.8) | 0.005269 (0.0037232, 0.0073819) | 10,075.3 (7,389.9, 13,449.6)  | 0.003507 (0.0025720, 0.0046811) |
| Riau     | Other non-communicable diseases                          | All | 62,708.8 (45,793.2, 83,229.9) | 0.020608 (0.0150488, 0.0273515) | 59,972.2 (44,242.5, 78,469.9) | 0.020873 (0.0153984, 0.0273111) |
| Riau     | Drowning                                                 | All | 11,467.2 (7,192.0, 17,403.5)  | 0.003768 (0.0023635, 0.0057192) | 3,964.0 (2,485.6, 6,083.0)    | 0.001380 (0.0008651, 0.0021171) |
| Riau     | Falls                                                    | All | 6,913.9 (3,818.1, 11,971.7)   | 0.002272 (0.0012547, 0.0039342) | 3,178.9 (1,802.3, 5,501.7)    | 0.001106 (0.0006273, 0.0019148) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|----------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|          |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Riau     | Interpersonal violence                                   | All | 3,435.2       | (1,912.2, 5,761.5)   | 0.001129                 | (0.0006284, 0.0018934) | 2,111.1       | (1,069.9, 3,619.8)   | 0.000735                 | (0.0003724, 0.0012598) |
| Riau     | Self-harm                                                | All | 1,581.3       | (732.4, 2,982.7)     | 0.000520                 | (0.0002407, 0.0009802) | 797.5         | (362.6, 1,429.7)     | 0.000278                 | (0.0001262, 0.0004976) |
| Riau     | Transport injuries                                       | All | 44,953.4      | (34,659.6, 58,749.1) | 0.014773                 | (0.0113900, 0.0193064) | 14,888.4      | (11,066.5, 19,747.3) | 0.005182                 | (0.0038516, 0.0068730) |
| Riau     | Other unintentional injuries                             | All | 18,911.4      | (12,153.8, 28,434.4) | 0.006215                 | (0.0039940, 0.0093443) | 7,069.7       | (4,506.2, 10,975.9)  | 0.002461                 | (0.0015683, 0.0038201) |
| Jambi    | Diarrheal diseases                                       | NN  | 725.8         | (261.0, 1,503.4)     | 0.252755                 | (0.0909065, 0.5235538) | 621.9         | (235.9, 1,304.3)     | 0.227419                 | (0.0862521, 0.4769392) |
| Jambi    | Lower respiratory infections                             | NN  | 5,087.2       | (2,277.8, 8,826.2)   | 1.771607                 | (0.7932512, 3.0737040) | 3,320.1       | (1,523.1, 6,138.1)   | 1.214027                 | (0.5569267, 2.2444820) |
| Jambi    | Malaria                                                  | NN  | 46.4          | (8.3, 160.5)         | 0.016172                 | (0.0029062, 0.0558857) | 28.9          | (4.8, 101.8)         | 0.010581                 | (0.0017626, 0.0372146) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 10,366.4      | (4,371.1, 18,121.0)  | 3.610090                 | (1.5222141, 6.3105941) | 7,420.2       | (3,367.7, 14,055.4)  | 2.713281                 | (1.2314450, 5.1395578) |
| Jambi    | Preterm birth complications                              | NN  | 10,126.4      | (4,239.6, 18,251.1)  | 3.526514                 | (1.4764260, 6.3559198) | 9,706.0       | (4,381.0, 17,803.7)  | 3.549146                 | (1.6019770, 6.5101810) |
| Jambi    | Other neonatal disorders                                 | NN  | 5,656.7       | (1,798.4, 12,752.2)  | 1.969929                 | (0.6262970, 4.4409208) | 3,924.3       | (1,173.7, 9,328.1)   | 1.434982                 | (0.4291803, 3.4109509) |
| Jambi    | Other communicable diseases                              | NN  | 551.0         | (196.8, 1,138.6)     | 0.191868                 | (0.0685259, 0.3965115) | 332.5         | (113.4, 705.4)       | 0.121600                 | (0.0414700, 0.2579279) |
| Jambi    | Other malignant neoplasms                                | NN  | 242.1         | (88.9, 516.9)        | 0.084311                 | (0.0309611, 0.1800103) | 207.3         | (72.5, 458.5)        | 0.075800                 | (0.0265289, 0.1676421) |
| Jambi    | Cerebrovascular disease                                  | NN  | 80.4          | (19.7, 210.2)        | 0.028011                 | (0.0068633, 0.0731934) | 88.6          | (23.2, 218.0)        | 0.032397                 | (0.0084696, 0.0797064) |
| Jambi    | Other cardiovascular and circulatory diseases            | NN  | 77.4          | (17.5, 235.5)        | 0.026970                 | (0.0061097, 0.0820160) | 83.0          | (18.3, 245.9)        | 0.030345                 | (0.0066845, 0.0899102) |
| Jambi    | Diabetes mellitus                                        | NN  | 15.5          | (0.1, 111.9)         | 0.005405                 | (0.0000280, 0.0389715) | 20.2          | (0.1, 178.7)         | 0.007373                 | (0.0000339, 0.0653316) |
| Jambi    | Other non-communicable diseases                          | NN  | 5,010.6       | (2,473.7, 8,154.9)   | 1.744942                 | (0.8614609, 2.8399420) | 4,855.7       | (2,474.8, 8,302.3)   | 1.775554                 | (0.9049413, 3.0358629) |
| Jambi    | Drowning                                                 | NN  | 580.4         | (198.4, 1,286.4)     | 0.202112                 | (0.0690901, 0.4479980) | 150.3         | (49.0, 368.3)        | 0.054967                 | (0.0179111, 0.1346911) |
| Jambi    | Falls                                                    | NN  | 153.5         | (48.5, 360.8)        | 0.053449                 | (0.0168968, 0.1256523) | 54.2          | (15.9, 131.6)        | 0.019834                 | (0.0058093, 0.0481171) |
| Jambi    | Interpersonal violence                                   | NN  | 99.1          | (28.2, 240.1)        | 0.034502                 | (0.0098358, 0.0836228) | 60.7          | (17.0, 151.0)        | 0.022209                 | (0.0062269, 0.0552307) |
| Jambi    | Transport injuries                                       | NN  | 355.9         | (126.5, 790.9)       | 0.123928                 | (0.0440582, 0.2754384) | 93.8          | (30.6, 218.4)        | 0.034308                 | (0.0111892, 0.0798614) |
| Jambi    | Other unintentional injuries                             | NN  | 768.9         | (288.1, 1,521.9)     | 0.267774                 | (0.1003290, 0.5299917) | 266.9         | (101.5, 532.2)       | 0.097580                 | (0.0371041, 0.1946213) |
| Jambi    | Diarrheal diseases                                       | PNN | 268.2         | (125.2, 470.6)       | 0.007484                 | (0.0034924, 0.0131300) | 276.3         | (134.8, 480.6)       | 0.008095                 | (0.0039485, 0.0140796) |
| Jambi    | HIV/AIDS                                                 | PNN | 5.4           | (1.1, 16.7)          | 0.000150                 | (0.0000316, 0.0004666) | 4.1           | (0.7, 13.0)          | 0.000120                 | (0.0000207, 0.0003822) |
| Jambi    | Lower respiratory infections                             | PNN | 160.0         | (77.2, 269.4)        | 0.004464                 | (0.0021547, 0.0075179) | 119.0         | (58.0, 200.5)        | 0.003487                 | (0.0016995, 0.0058734) |
| Jambi    | Malaria                                                  | PNN | 16.5          | (3.4, 51.2)          | 0.000462                 | (0.0000939, 0.0014291) | 12.5          | (2.5, 38.4)          | 0.000366                 | (0.0000730, 0.0011245) |
| Jambi    | Tuberculosis                                             | PNN | 23.8          | (9.1, 49.2)          | 0.000664                 | (0.0002540, 0.0013737) | 18.8          | (7.0, 39.6)          | 0.000551                 | (0.0002061, 0.0011589) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 9.5           | (2.4, 25.4)          | 0.000264                 | (0.0000670, 0.0007092) | 7.4           | (1.8, 19.2)          | 0.000217                 | (0.0000538, 0.0005627) |
| Jambi    | Preterm birth complications                              | PNN | 25.2          | (7.4, 61.6)          | 0.000704                 | (0.0002073, 0.0017196) | 29.7          | (9.0, 70.1)          | 0.000869                 | (0.0002650, 0.0020549) |
| Jambi    | Other neonatal disorders                                 | PNN | 21.4          | (4.5, 62.9)          | 0.000596                 | (0.0001255, 0.0017550) | 16.7          | (3.2, 54.8)          | 0.000489                 | (0.0000950, 0.0016067) |
| Jambi    | Other communicable diseases                              | PNN | 226.2         | (106.4, 390.1)       | 0.006311                 | (0.0029693, 0.0108846) | 164.3         | (73.5, 285.0)        | 0.004814                 | (0.0021526, 0.0083500) |
| Jambi    | Other malignant neoplasms                                | PNN | 5.4           | (2.0, 11.3)          | 0.000149                 | (0.0000562, 0.0003151) | 5.1           | (1.8, 10.6)          | 0.000148                 | (0.0000539, 0.0003101) |
| Jambi    | Cerebrovascular disease                                  | PNN | 1.8           | (0.5, 4.3)           | 0.000050                 | (0.0000132, 0.0001191) | 2.2           | (0.6, 5.4)           | 0.000064                 | (0.0000179, 0.0001574) |
| Jambi    | Ischemic heart disease                                   | PNN | 0.6           | (0.0, 2.9)           | 0.000017                 | (0.0000010, 0.0000797) | 0.7           | (0.0, 3.3)           | 0.000021                 | (0.0000013, 0.0000958) |
| Jambi    | Other cardiovascular and circulatory diseases            | PNN | 1.7           | (0.4, 4.8)           | 0.000048                 | (0.0000113, 0.0001351) | 2.0           | (0.5, 6.0)           | 0.000060                 | (0.0000141, 0.0001750) |
| Jambi    | Diabetes mellitus                                        | PNN | 0.4           | (0.0, 3.0)           | 0.000010                 | (0.0000001, 0.0000833) | 0.5           | (0.0, 4.3)           | 0.000014                 | (0.0000001, 0.0001272) |
| Jambi    | Chronic kidney disease                                   | PNN | 7.6           | (2.7, 16.5)          | 0.000213                 | (0.0000748, 0.0004606) | 7.3           | (2.9, 15.9)          | 0.000213                 | (0.0000835, 0.0004648) |
| Jambi    | Other non-communicable diseases                          | PNN | 110.2         | (55.2, 188.2)        | 0.003074                 | (0.0015393, 0.0052504) | 118.5         | (60.0, 199.2)        | 0.003473                 | (0.0017565, 0.0058357) |
| Jambi    | Drowning                                                 | PNN | 15.7          | (6.0, 32.9)          | 0.000437                 | (0.0001662, 0.0009181) | 4.5           | (1.5, 10.2)          | 0.000133                 | (0.0000440, 0.0002997) |
| Jambi    | Falls                                                    | PNN | 4.0           | (1.4, 9.0)           | 0.000111                 | (0.0000377, 0.0002511) | 1.6           | (0.5, 3.5)           | 0.000046                 | (0.0000144, 0.0001014) |
| Jambi    | Interpersonal violence                                   | PNN | 2.5           | (0.8, 6.0)           | 0.000071                 | (0.0000209, 0.0001664) | 1.7           | (0.5, 4.0)           | 0.000050                 | (0.0000156, 0.0001181) |
| Jambi    | Transport injuries                                       | PNN | 9.5           | (3.8, 19.8)          | 0.000266                 | (0.0001049, 0.0005534) | 2.8           | (0.9, 5.9)           | 0.000082                 | (0.0000275, 0.0001725) |
| Jambi    | Other unintentional injuries                             | PNN | 19.6          | (8.0, 38.2)          | 0.000548                 | (0.0002222, 0.0010664) | 7.6           | (2.9, 15.4)          | 0.000222                 | (0.0000843, 0.0004507) |
| Jambi    | Diarrheal diseases                                       | 1   | 2,779.7       | (1,067.3, 5,654.1)   | 0.019086                 | (0.0073282, 0.0388225) | 2,686.3       | (1,124.9, 5,157.1)   | 0.019347                 | (0.0081019, 0.0371425) |
| Jambi    | HIV/AIDS                                                 | 1   | 118.3         | (22.5, 370.8)        | 0.000813                 | (0.0001547, 0.0025463) | 85.6          | (16.0, 273.6)        | 0.000617                 | (0.0001149, 0.0019702) |
| Jambi    | Lower respiratory infections                             | 1   | 3,497.8       | (1,436.4, 6,762.6)   | 0.024017                 | (0.0098628, 0.0464341) | 2,487.0       | (1,090.4, 4,863.8)   | 0.017912                 | (0.0078535, 0.0350299) |
| Jambi    | Malaria                                                  | 1   | 137.8         | (25.9, 418.3)        | 0.000946                 | (0.0001780, 0.0028723) | 99.6          | (17.9, 329.5)        | 0.000718                 | (0.0001290, 0.0023730) |
| Jambi    | Tuberculosis                                             | 1   | 556.4         | (181.8, 1,237.9)     | 0.003820                 | (0.0012483, 0.0084999) | 423.1         | (142.5, 935.7)       | 0.003047                 | (0.0010265, 0.0067390) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 108.4         | (21.8, 321.6)        | 0.000744                 | (0.0001495, 0.0022085) | 75.8          | (16.0, 219.3)        | 0.000546                 | (0.0001153, 0.0015796) |
| Jambi    | Preterm birth complications                              | 1   | 54.5          | (7.6, 193.1)         | 0.000374                 | (0.0000524, 0.0013258) | 57.3          | (8.3, 197.3)         | 0.000413                 | (0.0000600, 0.0014213) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Other neonatal disorders                      | 1   | 36.0 (0.2, 251.9)           | 0.000247 (0.0000016, 0.0017299) | 24.3 (0.2, 164.2)          | 0.000175 (0.0000012, 0.0011828) |
| Jambi    | Other communicable diseases                   | 1   | 5,101.4 (2,116.0, 10,317.1) | 0.035028 (0.0145292, 0.0708399) | 3,564.8 (1,596.6, 6,752.7) | 0.025674 (0.0114991, 0.0486343) |
| Jambi    | Other malignant neoplasms                     | 1   | 81.8 (24.8, 196.1)          | 0.000561 (0.0001702, 0.0013464) | 78.6 (26.8, 179.0)         | 0.000566 (0.0001931, 0.0012891) |
| Jambi    | Cerebrovascular disease                       | 1   | 29.7 (6.9, 81.6)            | 0.000204 (0.0000474, 0.0005603) | 36.7 (9.0, 96.5)           | 0.000264 (0.0000651, 0.0006950) |
| Jambi    | Ischemic heart disease                        | 1   | 9.8 (0.7, 46.1)             | 0.000067 (0.0000048, 0.0003166) | 11.9 (0.8, 54.2)           | 0.000086 (0.0000055, 0.0003905) |
| Jambi    | Other cardiovascular and circulatory diseases | 1   | 27.0 (5.0, 80.3)            | 0.000186 (0.0000341, 0.0005516) | 32.2 (6.3, 92.9)           | 0.000232 (0.0000451, 0.0006693) |
| Jambi    | Diabetes mellitus                             | 1   | 5.3 (0.0, 41.3)             | 0.000036 (0.0000002, 0.0002835) | 7.1 (0.0, 56.5)            | 0.000051 (0.0000002, 0.0004070) |
| Jambi    | Chronic kidney disease                        | 1   | 112.9 (36.7, 277.2)         | 0.000775 (0.0002520, 0.0019031) | 109.0 (36.6, 256.4)        | 0.000785 (0.0002633, 0.0018468) |
| Jambi    | Cirrhosis                                     | 1   | 120.9 (32.2, 317.9)         | 0.000830 (0.0002211, 0.0021829) | 64.3 (17.4, 168.1)         | 0.000463 (0.0001257, 0.0012104) |
| Jambi    | Chronic respiratory diseases                  | 1   | 339.7 (96.9, 771.3)         | 0.002332 (0.0006654, 0.0052956) | 146.3 (40.7, 361.8)        | 0.001054 (0.0002932, 0.0026058) |
| Jambi    | Other non-communicable diseases               | 1   | 1,682.2 (692.4, 3,323.7)    | 0.011551 (0.0047542, 0.0228216) | 1,830.6 (808.1, 3,532.1)   | 0.013184 (0.0058201, 0.0254391) |
| Jambi    | Drowning                                      | 1   | 943.4 (349.7, 1,971.1)      | 0.006478 (0.0024011, 0.0135342) | 272.9 (102.1, 614.9)       | 0.001966 (0.0007351, 0.0044287) |
| Jambi    | Falls                                         | 1   | 171.5 (46.9, 408.4)         | 0.001178 (0.0003218, 0.0028041) | 67.1 (17.4, 165.5)         | 0.000484 (0.0001252, 0.0011921) |
| Jambi    | Interpersonal violence                        | 1   | 88.8 (25.2, 223.2)          | 0.000609 (0.0001730, 0.0015323) | 59.6 (18.1, 146.1)         | 0.000430 (0.0001305, 0.0010521) |
| Jambi    | Transport injuries                            | 1   | 520.1 (174.4, 1,180.7)      | 0.003571 (0.0011973, 0.0081071) | 152.6 (48.9, 357.5)        | 0.001099 (0.0003520, 0.0025751) |
| Jambi    | Other unintentional injuries                  | 1   | 723.3 (270.1, 1,584.9)      | 0.004966 (0.0018547, 0.0108821) | 277.4 (105.3, 599.9)       | 0.001998 (0.0007585, 0.0043208) |
| Jambi    | Diarrheal diseases                            | 5   | 1,158.5 (746.3, 1,663.2)    | 0.006653 (0.0042862, 0.0095516) | 1,130.5 (765.1, 1,546.9)   | 0.006826 (0.0046194, 0.0093398) |
| Jambi    | HIV/AIDS                                      | 5   | 35.1 (5.9, 108.3)           | 0.000202 (0.0000341, 0.0006219) | 25.0 (4.4, 76.9)           | 0.000151 (0.0000266, 0.0004643) |
| Jambi    | Lower respiratory infections                  | 5   | 977.6 (655.7, 1,374.6)      | 0.005614 (0.0037658, 0.0078942) | 694.5 (464.6, 976.2)       | 0.004193 (0.0028054, 0.0058940) |
| Jambi    | Malaria                                       | 5   | 58.2 (13.7, 167.8)          | 0.000334 (0.0000785, 0.0009638) | 41.8 (10.1, 123.5)         | 0.000252 (0.0000613, 0.0007459) |
| Jambi    | Tuberculosis                                  | 5   | 224.1 (109.4, 402.0)        | 0.001287 (0.0006285, 0.0023088) | 169.0 (79.6, 296.6)        | 0.001021 (0.0004808, 0.0017911) |
| Jambi    | Other communicable diseases                   | 5   | 2,104.8 (1,601.2, 2,694.9)  | 0.012088 (0.0091955, 0.0154769) | 1,478.1 (1,086.1, 1,931.0) | 0.008925 (0.0065577, 0.0116591) |
| Jambi    | Other malignant neoplasms                     | 5   | 319.3 (164.4, 538.3)        | 0.001834 (0.0009442, 0.0030915) | 312.5 (168.8, 513.7)       | 0.001887 (0.0010191, 0.0031016) |
| Jambi    | Cerebrovascular disease                       | 5   | 78.4 (35.6, 156.6)          | 0.000450 (0.0002046, 0.0008996) | 97.3 (46.0, 174.0)         | 0.000588 (0.0002779, 0.0010508) |
| Jambi    | Ischemic heart disease                        | 5   | 29.5 (10.4, 64.8)           | 0.000169 (0.0000595, 0.0003722) | 36.3 (12.9, 75.6)          | 0.000219 (0.0000777, 0.0004565) |
| Jambi    | Other cardiovascular and circulatory diseases | 5   | 78.7 (29.4, 166.5)          | 0.000452 (0.0001690, 0.0009562) | 92.7 (37.1, 186.8)         | 0.000560 (0.0002241, 0.0011282) |
| Jambi    | Diabetes mellitus                             | 5   | 40.1 (14.1, 95.4)           | 0.000230 (0.0000809, 0.0005480) | 56.7 (21.7, 129.8)         | 0.000343 (0.0001312, 0.0007838) |
| Jambi    | Chronic kidney disease                        | 5   | 150.0 (71.4, 269.4)         | 0.000862 (0.0004098, 0.0015470) | 147.7 (75.3, 255.0)        | 0.000892 (0.0004546, 0.0015394) |
| Jambi    | Cirrhosis                                     | 5   | 206.0 (96.2, 349.9)         | 0.001183 (0.0005523, 0.0020098) | 112.8 (54.2, 194.4)        | 0.000681 (0.0003271, 0.0011740) |
| Jambi    | Chronic respiratory diseases                  | 5   | 173.8 (80.9, 307.7)         | 0.000998 (0.0004646, 0.0017669) | 74.3 (33.2, 141.7)         | 0.000449 (0.0002007, 0.0008558) |
| Jambi    | Other non-communicable diseases               | 5   | 958.0 (682.7, 1,278.8)      | 0.005502 (0.0039209, 0.0073439) | 1,057.8 (793.0, 1,356.4)   | 0.006387 (0.0047880, 0.0081896) |
| Jambi    | Drowning                                      | 5   | 1,928.2 (1,318.6, 2,622.2)  | 0.011074 (0.0075729, 0.0150592) | 782.3 (485.3, 1,145.7)     | 0.004723 (0.0029303, 0.0069176) |
| Jambi    | Falls                                         | 5   | 188.7 (91.7, 338.0)         | 0.001084 (0.0005266, 0.0019412) | 92.3 (42.7, 171.4)         | 0.000557 (0.0002577, 0.0010347) |
| Jambi    | Interpersonal violence                        | 5   | 44.1 (17.9, 93.2)           | 0.000254 (0.0001026, 0.0005352) | 37.1 (15.9, 73.3)          | 0.000224 (0.0000959, 0.0004423) |
| Jambi    | Transport injuries                            | 5   | 1,086.3 (646.0, 1,628.3)    | 0.006239 (0.0037097, 0.0093514) | 423.9 (228.0, 690.3)       | 0.002559 (0.0013766, 0.0041681) |
| Jambi    | Other unintentional injuries                  | 5   | 416.4 (243.0, 648.5)        | 0.002391 (0.0013953, 0.0037240) | 201.3 (110.3, 327.9)       | 0.001215 (0.0006658, 0.0019800) |
| Jambi    | Diarrheal diseases                            | 10  | 576.0 (338.8, 905.0)        | 0.003382 (0.0019895, 0.0053140) | 536.6 (331.8, 807.9)       | 0.003352 (0.0020728, 0.0050467) |
| Jambi    | HIV/AIDS                                      | 10  | 33.4 (8.0, 89.7)            | 0.000196 (0.0000469, 0.0005267) | 22.9 (5.1, 62.2)           | 0.000143 (0.0000318, 0.0003887) |
| Jambi    | Lower respiratory infections                  | 10  | 602.7 (346.2, 925.1)        | 0.003539 (0.0020331, 0.0054320) | 399.1 (235.5, 601.9)       | 0.002493 (0.0014712, 0.0037598) |
| Jambi    | Malaria                                       | 10  | 113.9 (34.1, 296.1)         | 0.000669 (0.0002001, 0.0017390) | 78.8 (22.7, 200.8)         | 0.000492 (0.0001415, 0.0012545) |
| Jambi    | Tuberculosis                                  | 10  | 489.5 (279.9, 771.5)        | 0.002874 (0.0016436, 0.0045306) | 352.6 (204.8, 542.7)       | 0.002203 (0.0012795, 0.0033899) |
| Jambi    | Maternal disorders                            | 10  |                             |                                 | 22.7 (4.3, 60.7)           | 0.000142 (0.0000266, 0.0003793) |
| Jambi    | Other communicable diseases                   | 10  | 1,551.2 (1,167.5, 2,035.5)  | 0.009109 (0.0068555, 0.0119529) | 1,011.5 (720.2, 1,343.2)   | 0.006319 (0.0044988, 0.0083905) |
| Jambi    | Other malignant neoplasms                     | 10  | 441.9 (254.0, 678.7)        | 0.002595 (0.0014917, 0.0039856) | 426.6 (260.4, 639.8)       | 0.002665 (0.0016264, 0.0039963) |
| Jambi    | Cerebrovascular disease                       | 10  | 122.9 (67.3, 208.2)         | 0.000722 (0.0003949, 0.0012227) | 141.7 (80.6, 225.4)        | 0.000885 (0.0005035, 0.0014081) |
| Jambi    | Ischemic heart disease                        | 10  | 69.5 (36.5, 121.5)          | 0.000408 (0.0002142, 0.0007137) | 78.8 (41.7, 134.9)         | 0.000492 (0.0002606, 0.0008429) |
| Jambi    | Other cardiovascular and circulatory diseases | 10  | 113.2 (53.3, 215.0)         | 0.000665 (0.0003132, 0.0012624) | 126.6 (61.9, 232.4)        | 0.000791 (0.0003868, 0.0014515) |
| Jambi    | Diabetes mellitus                             | 10  | 54.6 (26.2, 101.7)          | 0.000321 (0.0001538, 0.0005974) | 74.3 (37.0, 135.6)         | 0.000464 (0.0002312, 0.0008472) |
| Jambi    | Chronic kidney disease                        | 10  | 201.6 (118.0, 312.1)        | 0.001184 (0.0006929, 0.0018327) | 191.1 (113.5, 289.4)       | 0.001194 (0.0007089, 0.0018076) |
| Jambi    | Cirrhosis                                     | 10  | 227.2 (127.5, 357.6)        | 0.001334 (0.0007489, 0.0020999) | 118.2 (63.3, 185.7)        | 0.000738 (0.0003956, 0.0011600) |
| Jambi    | Chronic respiratory diseases                  | 10  | 310.9 (178.9, 482.9)        | 0.001826 (0.0010504, 0.0028356) | 134.6 (71.4, 226.7)        | 0.000841 (0.0004461, 0.0014160) |
| Jambi    | Other non-communicable diseases               | 10  | 1,073.4 (803.7, 1,391.2)    | 0.006303 (0.0047192, 0.0081694) | 1,105.5 (862.0, 1,380.4)   | 0.006906 (0.0053848, 0.0086230) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Drowning                                      | 10  | 1,105.7 (687.8, 1,658.5)   | 0.006493 (0.0040386, 0.0097387) | 374.6 (195.4, 644.9)       | 0.002340 (0.0012208, 0.0040284) |
| Jambi    | Falls                                         | 10  | 177.1 (84.2, 352.8)        | 0.001040 (0.0004942, 0.0020718) | 76.8 (34.3, 151.4)         | 0.000480 (0.0002146, 0.0009459) |
| Jambi    | Interpersonal violence                        | 10  | 72.7 (39.4, 127.0)         | 0.000427 (0.0002313, 0.0007458) | 55.9 (29.3, 96.8)          | 0.000349 (0.0001830, 0.0006044) |
| Jambi    | Self-harm                                     | 10  | 110.8 (45.9, 235.8)        | 0.000651 (0.0002696, 0.0013848) | 73.4 (29.3, 151.3)         | 0.000459 (0.0001832, 0.0009450) |
| Jambi    | Transport injuries                            | 10  | 1,688.9 (1,190.7, 2,244.2) | 0.009918 (0.0069917, 0.0131780) | 623.1 (380.3, 910.3)       | 0.003892 (0.0023758, 0.0056865) |
| Jambi    | Other unintentional injuries                  | 10  | 436.9 (268.4, 654.0)       | 0.002566 (0.0015761, 0.0038404) | 190.6 (107.8, 301.6)       | 0.001191 (0.0006733, 0.0018841) |
| Jambi    | Diarrheal diseases                            | 15  | 341.5 (162.6, 612.2)       | 0.002249 (0.0010707, 0.0040323) | 263.3 (133.8, 452.3)       | 0.001791 (0.0009100, 0.0030765) |
| Jambi    | HIV/AIDS                                      | 15  | 33.4 (6.4, 106.9)          | 0.000220 (0.0000421, 0.0007042) | 19.1 (3.7, 60.3)           | 0.000130 (0.0000254, 0.0004098) |
| Jambi    | Lower respiratory infections                  | 15  | 319.6 (161.3, 538.9)       | 0.002105 (0.0010624, 0.0035496) | 162.5 (81.3, 267.5)        | 0.001106 (0.0005530, 0.0018197) |
| Jambi    | Malaria                                       | 15  | 278.1 (93.3, 651.9)        | 0.001832 (0.0006143, 0.0042936) | 160.7 (44.9, 368.2)        | 0.001093 (0.0003057, 0.0025042) |
| Jambi    | Tuberculosis                                  | 15  | 939.7 (582.7, 1,412.6)     | 0.006189 (0.0038378, 0.0093035) | 510.0 (334.2, 726.3)       | 0.003469 (0.0022730, 0.0049406) |
| Jambi    | Maternal disorders                            | 15  |                            |                                 | 442.0 (267.4, 670.6)       | 0.003007 (0.0018189, 0.0045611) |
| Jambi    | Other communicable diseases                   | 15  | 1,123.9 (688.5, 1,669.1)   | 0.007402 (0.0045349, 0.0109932) | 592.6 (362.1, 878.5)       | 0.004031 (0.0024631, 0.0059759) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 15  | 87.9 (26.3, 219.1)         | 0.000579 (0.0001731, 0.0014433) | 35.2 (9.3, 91.0)           | 0.000240 (0.0000630, 0.0006188) |
| Jambi    | Breast cancer                                 | 15  | 2.1 (0.2, 8.5)             | 0.000014 (0.0000013, 0.0000558) | 59.3 (15.1, 153.7)         | 0.000404 (0.0001025, 0.0010453) |
| Jambi    | Cervical cancer                               | 15  |                            |                                 | 70.8 (15.9, 196.1)         | 0.000482 (0.0001082, 0.0013335) |
| Jambi    | Other malignant neoplasms                     | 15  | 508.7 (301.9, 812.6)       | 0.003350 (0.0019885, 0.0053517) | 569.1 (352.0, 868.6)       | 0.003871 (0.0023940, 0.0059084) |
| Jambi    | Cerebrovascular disease                       | 15  | 238.6 (131.1, 404.6)       | 0.001572 (0.0008634, 0.0026650) | 249.5 (142.8, 390.1)       | 0.001697 (0.0009713, 0.0026534) |
| Jambi    | Ischemic heart disease                        | 15  | 234.5 (128.2, 392.8)       | 0.001545 (0.0008441, 0.0025868) | 203.7 (117.0, 329.5)       | 0.001386 (0.0007962, 0.0022414) |
| Jambi    | Other cardiovascular and circulatory diseases | 15  | 183.0 (85.7, 355.1)        | 0.001205 (0.0005646, 0.0023385) | 208.4 (97.4, 397.0)        | 0.001417 (0.0006627, 0.0027002) |
| Jambi    | Diabetes mellitus                             | 15  | 87.9 (41.3, 165.7)         | 0.000579 (0.0002721, 0.0010913) | 124.7 (61.2, 220.7)        | 0.000848 (0.0004165, 0.0015011) |
| Jambi    | Chronic kidney disease                        | 15  | 298.0 (162.7, 493.6)       | 0.001963 (0.0010716, 0.0032510) | 294.9 (175.4, 456.8)       | 0.002006 (0.0011932, 0.0031074) |
| Jambi    | Cirrhosis                                     | 15  | 281.6 (151.2, 476.8)       | 0.001855 (0.0009955, 0.0031403) | 152.2 (80.3, 251.2)        | 0.001035 (0.0005462, 0.0017087) |
| Jambi    | Chronic respiratory diseases                  | 15  | 270.5 (148.2, 454.0)       | 0.001781 (0.0009761, 0.0029899) | 148.3 (77.2, 254.8)        | 0.001009 (0.0005251, 0.0017330) |
| Jambi    | Other non-communicable diseases               | 15  | 1,337.8 (917.2, 1,882.1)   | 0.008811 (0.0060409, 0.0123962) | 1,314.4 (986.2, 1,701.1)   | 0.008941 (0.0067080, 0.0115711) |
| Jambi    | Drowning                                      | 15  | 645.0 (348.2, 1,107.1)     | 0.004248 (0.0022936, 0.0072914) | 208.0 (103.1, 394.0)       | 0.001415 (0.0007010, 0.0026803) |
| Jambi    | Falls                                         | 15  | 171.5 (85.0, 324.1)        | 0.001130 (0.0005597, 0.0021346) | 75.4 (35.3, 148.0)         | 0.000513 (0.0002399, 0.0010066) |
| Jambi    | Interpersonal violence                        | 15  | 176.2 (99.6, 291.7)        | 0.001161 (0.0006559, 0.0019210) | 141.1 (75.6, 241.6)        | 0.000960 (0.0005140, 0.0016434) |
| Jambi    | Self-harm                                     | 15  | 228.3 (110.2, 417.8)       | 0.001504 (0.0007257, 0.0027516) | 157.9 (72.5, 296.7)        | 0.001074 (0.0004932, 0.0020182) |
| Jambi    | Transport injuries                            | 15  | 4,695.6 (3,520.5, 6,071.1) | 0.030926 (0.0231870, 0.0399854) | 2,034.8 (1,548.1, 2,625.3) | 0.013841 (0.0105305, 0.0178575) |
| Jambi    | Other unintentional injuries                  | 15  | 673.2 (411.0, 1,009.0)     | 0.004434 (0.0027071, 0.0066455) | 300.6 (168.4, 474.4)       | 0.002045 (0.0011457, 0.0032271) |
| Jambi    | Diarrheal diseases                            | 20  | 364.2 (176.8, 655.0)       | 0.002376 (0.0011535, 0.0042731) | 223.9 (106.1, 382.2)       | 0.001469 (0.0006959, 0.0025071) |
| Jambi    | HIV/AIDS                                      | 20  | 126.2 (31.6, 323.7)        | 0.000823 (0.0002063, 0.0021115) | 56.3 (12.2, 155.0)         | 0.000369 (0.0000803, 0.0010167) |
| Jambi    | Lower respiratory infections                  | 20  | 347.0 (163.6, 610.8)       | 0.002264 (0.0010676, 0.0039848) | 124.7 (60.4, 214.6)        | 0.000818 (0.0003959, 0.0014080) |
| Jambi    | Malaria                                       | 20  | 375.3 (123.8, 870.6)       | 0.002449 (0.0008074, 0.0056796) | 171.8 (50.4, 400.2)        | 0.001127 (0.0003307, 0.0026251) |
| Jambi    | Tuberculosis                                  | 20  | 2,120.5 (1,389.0, 3,134.5) | 0.013834 (0.0090619, 0.0204495) | 782.2 (506.0, 1,098.4)     | 0.005131 (0.0033195, 0.0072056) |
| Jambi    | Maternal disorders                            | 20  |                            |                                 | 1,245.9 (880.9, 1,665.6)   | 0.008173 (0.0057787, 0.0109267) |
| Jambi    | Other communicable diseases                   | 20  | 1,539.4 (962.7, 2,242.7)   | 0.010043 (0.0062804, 0.0146317) | 649.4 (405.6, 921.4)       | 0.004260 (0.0026609, 0.0060448) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 20  | 73.6 (19.1, 193.6)         | 0.000480 (0.0001248, 0.0012631) | 61.7 (18.8, 144.5)         | 0.000405 (0.0001234, 0.0009479) |
| Jambi    | Breast cancer                                 | 20  | 3.1 (0.5, 9.4)             | 0.000020 (0.0000035, 0.0000613) | 196.0 (73.0, 392.2)        | 0.001286 (0.0004787, 0.0025731) |
| Jambi    | Cervical cancer                               | 20  |                            |                                 | 185.1 (52.9, 422.4)        | 0.001214 (0.0003468, 0.0027713) |
| Jambi    | Other malignant neoplasms                     | 20  | 513.0 (293.6, 829.8)       | 0.003347 (0.0019154, 0.0054134) | 696.5 (404.6, 1,077.0)     | 0.004569 (0.0026545, 0.0070653) |
| Jambi    | Cerebrovascular disease                       | 20  | 484.3 (310.6, 760.3)       | 0.003159 (0.0020264, 0.0049603) | 439.1 (285.0, 627.9)       | 0.002880 (0.0018697, 0.0041192) |
| Jambi    | Ischemic heart disease                        | 20  | 461.9 (268.3, 734.1)       | 0.003014 (0.0017505, 0.0047893) | 274.8 (164.5, 429.6)       | 0.001803 (0.0010795, 0.0028184) |
| Jambi    | Other cardiovascular and circulatory diseases | 20  | 301.1 (152.6, 521.9)       | 0.001964 (0.0009956, 0.0034049) | 337.2 (182.7, 567.3)       | 0.002212 (0.0011986, 0.0037214) |
| Jambi    | Diabetes mellitus                             | 20  | 89.9 (45.8, 157.9)         | 0.000586 (0.0002990, 0.0010304) | 127.7 (67.6, 209.4)        | 0.000838 (0.0004434, 0.0013735) |
| Jambi    | Chronic kidney disease                        | 20  | 488.6 (293.9, 753.8)       | 0.003188 (0.0019176, 0.0049176) | 483.3 (302.9, 698.5)       | 0.003171 (0.0019870, 0.0045824) |
| Jambi    | Cirrhosis                                     | 20  | 480.0 (254.9, 805.8)       | 0.003131 (0.0016632, 0.0052571) | 261.5 (139.2, 422.8)       | 0.001715 (0.0009132, 0.0027736) |
| Jambi    | Chronic respiratory diseases                  | 20  | 613.6 (357.1, 969.0)       | 0.004003 (0.0023296, 0.0063220) | 425.3 (253.3, 667.8)       | 0.002790 (0.0016619, 0.0043807) |
| Jambi    | Other non-communicable diseases               | 20  | 1,383.9 (977.6, 2,028.1)   | 0.009028 (0.0063782, 0.0132314) | 1,266.2 (918.3, 1,688.8)   | 0.008306 (0.0060242, 0.0110790) |
| Jambi    | Drowning                                      | 20  | 518.2 (258.5, 984.9)       | 0.003381 (0.0016864, 0.0064254) | 144.5 (64.6, 294.8)        | 0.000948 (0.0004237, 0.0019340) |
| Jambi    | Falls                                         | 20  | 184.2 (83.4, 356.2)        | 0.001202 (0.0005439, 0.0023239) | 70.8 (30.3, 146.4)         | 0.000464 (0.0001988, 0.0009603) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Interpersonal violence                        | 20  | 225.7 (128.3, 375.0)       | 0.001473 (0.0008373, 0.0024467) | 155.8 (82.6, 274.1)        | 0.001022 (0.0005421, 0.0017979) |
| Jambi    | Self-harm                                     | 20  | 250.2 (125.4, 459.9)       | 0.001632 (0.0008180, 0.0030002) | 149.3 (66.5, 285.3)        | 0.000980 (0.0004360, 0.0018716) |
| Jambi    | Transport injuries                            | 20  | 4,264.1 (3,100.3, 5,921.8) | 0.027819 (0.0202267, 0.0386339) | 1,492.1 (1,046.8, 2,061.7) | 0.009789 (0.0068671, 0.0135253) |
| Jambi    | Other unintentional injuries                  | 20  | 807.9 (499.8, 1,243.5)     | 0.005271 (0.0032609, 0.0081127) | 313.6 (169.8, 512.9)       | 0.002057 (0.0011137, 0.0033650) |
| Jambi    | Diarrheal diseases                            | 25  | 537.0 (276.6, 955.5)       | 0.003279 (0.0016889, 0.0058344) | 433.4 (226.0, 722.4)       | 0.002617 (0.0013647, 0.0043616) |
| Jambi    | HIV/AIDS                                      | 25  | 245.7 (72.2, 607.4)        | 0.001500 (0.0004411, 0.0037085) | 144.0 (38.0, 375.0)        | 0.000869 (0.0002293, 0.0022642) |
| Jambi    | Lower respiratory infections                  | 25  | 384.7 (180.3, 665.9)       | 0.002349 (0.0011009, 0.0040659) | 180.5 (91.4, 312.4)        | 0.001090 (0.0005516, 0.0018860) |
| Jambi    | Malaria                                       | 25  | 413.5 (148.4, 963.7)       | 0.002525 (0.0009060, 0.0058844) | 239.9 (75.9, 565.9)        | 0.001449 (0.0004582, 0.0034167) |
| Jambi    | Tuberculosis                                  | 25  | 3,045.5 (2,160.4, 4,134.0) | 0.018596 (0.0131915, 0.0252421) | 1,403.4 (933.1, 1,954.8)   | 0.008473 (0.0056339, 0.0118023) |
| Jambi    | Maternal disorders                            | 25  |                            |                                 | 930.1 (602.1, 1,362.4)     | 0.005616 (0.0036350, 0.0082258) |
| Jambi    | Other communicable diseases                   | 25  | 1,706.8 (1,115.5, 2,411.2) | 0.010422 (0.0068113, 0.0147229) | 954.4 (589.8, 1,417.6)     | 0.005763 (0.0035613, 0.0085592) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 25  | 91.9 (22.5, 223.8)         | 0.000561 (0.0001377, 0.0013664) | 90.2 (30.5, 201.3)         | 0.000545 (0.0001843, 0.0012152) |
| Jambi    | Breast cancer                                 | 25  | 3.1 (0.6, 9.6)             | 0.000019 (0.0000039, 0.0000585) | 442.6 (185.8, 815.3)       | 0.002672 (0.0011217, 0.0049224) |
| Jambi    | Cervical cancer                               | 25  |                            |                                 | 324.1 (106.7, 658.5)       | 0.001957 (0.0006439, 0.0039758) |
| Jambi    | Other malignant neoplasms                     | 25  | 710.2 (420.7, 1,134.5)     | 0.004337 (0.0025690, 0.0069270) | 846.4 (477.0, 1,342.2)     | 0.005110 (0.0028802, 0.0081038) |
| Jambi    | Cerebrovascular disease                       | 25  | 920.8 (639.1, 1,309.7)     | 0.005622 (0.0039021, 0.0079970) | 807.5 (534.0, 1,143.8)     | 0.004875 (0.0032241, 0.0069060) |
| Jambi    | Ischemic heart disease                        | 25  | 939.7 (617.2, 1,364.8)     | 0.005738 (0.0037683, 0.0083335) | 502.7 (312.5, 772.4)       | 0.003035 (0.0018867, 0.0046634) |
| Jambi    | Other cardiovascular and circulatory diseases | 25  | 421.2 (233.8, 690.8)       | 0.002572 (0.0014275, 0.0042181) | 471.4 (260.3, 790.4)       | 0.002846 (0.0015716, 0.0047722) |
| Jambi    | Diabetes mellitus                             | 25  | 160.0 (94.8, 256.9)        | 0.000977 (0.0005789, 0.0015689) | 220.2 (125.3, 344.0)       | 0.001330 (0.0007567, 0.0020767) |
| Jambi    | Chronic kidney disease                        | 25  | 583.6 (373.9, 848.2)       | 0.003564 (0.0022827, 0.0051793) | 556.5 (361.4, 811.3)       | 0.003360 (0.0021820, 0.0048985) |
| Jambi    | Cirrhosis                                     | 25  | 704.3 (411.9, 1,069.7)     | 0.004301 (0.0025151, 0.0065315) | 380.7 (205.4, 605.2)       | 0.002299 (0.0012399, 0.0036538) |
| Jambi    | Chronic respiratory diseases                  | 25  | 794.8 (486.9, 1,169.7)     | 0.004853 (0.0029731, 0.0071422) | 574.3 (338.5, 900.6)       | 0.003468 (0.0020439, 0.0054377) |
| Jambi    | Other non-communicable diseases               | 25  | 1,713.0 (1,251.6, 2,378.0) | 0.010460 (0.0076425, 0.0145202) | 1,543.4 (1,072.0, 2,107.6) | 0.009319 (0.0064724, 0.0127249) |
| Jambi    | Drowning                                      | 25  | 360.1 (166.8, 697.4)       | 0.002199 (0.0010184, 0.0042586) | 99.1 (42.6, 204.5)         | 0.000599 (0.0002575, 0.0012347) |
| Jambi    | Falls                                         | 25  | 273.0 (131.8, 508.0)       | 0.001667 (0.0008046, 0.0031020) | 103.1 (45.7, 199.0)        | 0.000622 (0.0002759, 0.0012017) |
| Jambi    | Interpersonal violence                        | 25  | 233.2 (136.7, 373.5)       | 0.001424 (0.0008346, 0.0022804) | 149.2 (75.4, 254.4)        | 0.000901 (0.0004554, 0.0015362) |
| Jambi    | Self-harm                                     | 25  | 238.2 (119.2, 420.9)       | 0.001455 (0.0007280, 0.0025698) | 130.2 (57.6, 252.9)        | 0.000786 (0.0003478, 0.0015272) |
| Jambi    | Transport injuries                            | 25  | 3,112.5 (2,209.9, 4,235.2) | 0.019005 (0.0134939, 0.0258603) | 960.1 (592.9, 1,465.1)     | 0.005797 (0.0035798, 0.0088456) |
| Jambi    | Other unintentional injuries                  | 25  | 994.3 (624.4, 1,486.6)     | 0.006071 (0.0038125, 0.0090772) | 366.9 (198.1, 604.1)       | 0.002215 (0.0011960, 0.0036471) |
| Jambi    | Diarrheal diseases                            | 30  | 522.6 (275.4, 863.2)       | 0.003408 (0.0017962, 0.0056291) | 450.1 (240.7, 740.5)       | 0.003151 (0.0016850, 0.0051844) |
| Jambi    | HIV/AIDS                                      | 30  | 223.5 (61.3, 580.8)        | 0.001457 (0.0004000, 0.0037873) | 142.9 (37.7, 366.7)        | 0.001000 (0.0002640, 0.0025672) |
| Jambi    | Lower respiratory infections                  | 30  | 325.0 (157.4, 564.2)       | 0.002120 (0.0010262, 0.0036793) | 169.2 (82.3, 300.6)        | 0.001184 (0.0005761, 0.0021046) |
| Jambi    | Malaria                                       | 30  | 307.8 (107.5, 689.2)       | 0.002007 (0.0007011, 0.0044946) | 177.8 (54.8, 420.2)        | 0.001245 (0.0003836, 0.0029420) |
| Jambi    | Tuberculosis                                  | 30  | 2,771.8 (1,962.1, 3,814.5) | 0.018075 (0.0127953, 0.0248746) | 1,296.7 (831.4, 1,818.1)   | 0.009078 (0.0058207, 0.0127286) |
| Jambi    | Maternal disorders                            | 30  |                            |                                 | 736.2 (465.7, 1,078.7)     | 0.005154 (0.0032605, 0.0075517) |
| Jambi    | Other communicable diseases                   | 30  | 1,051.1 (637.9, 1,569.2)   | 0.006854 (0.0041596, 0.0102331) | 640.9 (361.7, 996.4)       | 0.004487 (0.0025325, 0.0069755) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 30  | 183.5 (54.3, 425.3)        | 0.001197 (0.0003540, 0.0027737) | 94.3 (35.4, 208.1)         | 0.000660 (0.0002481, 0.0014572) |
| Jambi    | Breast cancer                                 | 30  | 3.1 (0.5, 11.1)            | 0.000020 (0.0000031, 0.0000726) | 633.1 (280.9, 1,134.7)     | 0.004432 (0.0019664, 0.0079439) |
| Jambi    | Cervical cancer                               | 30  |                            |                                 | 447.2 (162.7, 871.0)       | 0.003131 (0.0011389, 0.0060981) |
| Jambi    | Other malignant neoplasms                     | 30  | 785.1 (485.1, 1,224.7)     | 0.005119 (0.0031635, 0.0079861) | 801.7 (437.2, 1,330.9)     | 0.005612 (0.0030611, 0.0093171) |
| Jambi    | Cerebrovascular disease                       | 30  | 1,385.6 (1,004.0, 1,899.3) | 0.009036 (0.0065469, 0.0123854) | 1,215.2 (824.4, 1,688.3)   | 0.008507 (0.0057713, 0.0118199) |
| Jambi    | Ischemic heart disease                        | 30  | 1,377.6 (944.5, 1,901.5)   | 0.008984 (0.0061592, 0.0124001) | 687.1 (431.4, 1,036.6)     | 0.004810 (0.0030205, 0.0072571) |
| Jambi    | Other cardiovascular and circulatory diseases | 30  | 477.0 (266.1, 766.3)       | 0.003110 (0.0017352, 0.0049974) | 537.9 (286.6, 873.3)       | 0.003766 (0.0020068, 0.0061137) |
| Jambi    | Diabetes mellitus                             | 30  | 247.3 (153.6, 376.2)       | 0.001613 (0.0010014, 0.0024534) | 331.1 (195.8, 499.7)       | 0.002318 (0.0013707, 0.0034983) |
| Jambi    | Chronic kidney disease                        | 30  | 596.6 (398.7, 846.6)       | 0.003891 (0.0026000, 0.0055210) | 546.2 (352.1, 816.2)       | 0.003824 (0.0024650, 0.0057143) |
| Jambi    | Cirrhosis                                     | 30  | 859.7 (519.6, 1,272.6)     | 0.005606 (0.0033884, 0.0082984) | 473.4 (257.9, 742.0)       | 0.003314 (0.0018056, 0.0051946) |
| Jambi    | Chronic respiratory diseases                  | 30  | 722.3 (440.0, 1,076.1)     | 0.004710 (0.0028694, 0.0070171) | 547.4 (327.4, 860.8)       | 0.003832 (0.0022924, 0.0060266) |
| Jambi    | Other non-communicable diseases               | 30  | 1,678.8 (1,217.0, 2,340.4) | 0.010947 (0.0079358, 0.0152620) | 1,523.9 (1,037.2, 2,127.1) | 0.010669 (0.0072613, 0.0148916) |
| Jambi    | Drowning                                      | 30  | 368.8 (176.7, 716.7)       | 0.002405 (0.0011521, 0.0046738) | 118.8 (51.0, 238.7)        | 0.000832 (0.0003571, 0.0016713) |
| Jambi    | Falls                                         | 30  | 298.7 (146.8, 532.2)       | 0.001948 (0.0009572, 0.0034708) | 125.8 (54.4, 247.5)        | 0.000881 (0.0003810, 0.0017325) |
| Jambi    | Interpersonal violence                        | 30  | 168.6 (94.6, 274.9)        | 0.001099 (0.0006169, 0.0017928) | 105.7 (50.3, 188.5)        | 0.000740 (0.0003520, 0.0013198) |
| Jambi    | Self-harm                                     | 30  | 169.0 (84.4, 302.9)        | 0.001102 (0.0005507, 0.0019750) | 88.5 (38.3, 171.1)         | 0.000619 (0.0002679, 0.0011978) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Transport injuries                            | 30  | 2,483.5 (1,730.5, 3,476.0) | 0.016195 (0.0112850, 0.0226672) | 805.7 (496.9, 1,238.2)     | 0.005640 (0.0034784, 0.0086683) |
| Jambi    | Other unintentional injuries                  | 30  | 844.5 (514.8, 1,292.2)     | 0.005507 (0.0033574, 0.0084263) | 322.4 (167.2, 541.1)       | 0.002257 (0.0011703, 0.0037882) |
| Jambi    | Diarrheal diseases                            | 35  | 414.1 (216.8, 678.4)       | 0.003073 (0.0016086, 0.0050342) | 470.3 (243.7, 763.0)       | 0.003769 (0.0019536, 0.0061152) |
| Jambi    | HIV/AIDS                                      | 35  | 173.9 (47.2, 458.7)        | 0.001291 (0.0003499, 0.0034042) | 137.0 (37.3, 343.5)        | 0.001098 (0.0002991, 0.0027535) |
| Jambi    | Lower respiratory infections                  | 35  | 299.1 (148.1, 515.1)       | 0.002219 (0.0010993, 0.0038225) | 208.7 (102.7, 361.3)       | 0.001673 (0.0008229, 0.0028955) |
| Jambi    | Malaria                                       | 35  | 248.1 (82.5, 573.3)        | 0.001841 (0.0006120, 0.0042544) | 171.1 (50.4, 413.3)        | 0.001372 (0.0004036, 0.0033124) |
| Jambi    | Tuberculosis                                  | 35  | 2,564.9 (1,843.3, 3,459.3) | 0.019034 (0.0136791, 0.0256710) | 1,451.9 (946.1, 2,091.4)   | 0.011637 (0.0075827, 0.0167623) |
| Jambi    | Maternal disorders                            | 35  |                            |                                 | 497.2 (312.7, 741.0)       | 0.003985 (0.0025061, 0.0059393) |
| Jambi    | Other communicable diseases                   | 35  | 844.0 (501.2, 1,269.4)     | 0.006263 (0.0037190, 0.0094203) | 697.0 (397.2, 1,056.5)     | 0.005587 (0.0031835, 0.0084676) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 35  | 139.9 (40.0, 319.2)        | 0.001038 (0.0002971, 0.0023689) | 120.5 (45.2, 258.1)        | 0.000966 (0.0003620, 0.0020683) |
| Jambi    | Breast cancer                                 | 35  | 6.0 (0.9, 19.5)            | 0.000044 (0.0000065, 0.0001450) | 882.9 (400.1, 1,583.5)     | 0.007076 (0.0032070, 0.0126913) |
| Jambi    | Cervical cancer                               | 35  |                            |                                 | 666.5 (271.6, 1,258.9)     | 0.005342 (0.0021772, 0.0100899) |
| Jambi    | Other malignant neoplasms                     | 35  | 1,120.7 (701.7, 1,743.1)   | 0.008317 (0.0052069, 0.0129351) | 855.2 (463.6, 1,442.4)     | 0.006855 (0.0037157, 0.0115603) |
| Jambi    | Cerebrovascular disease                       | 35  | 2,053.9 (1,561.1, 2,734.6) | 0.015242 (0.0115846, 0.0202930) | 1,991.6 (1,388.9, 2,745.5) | 0.015962 (0.0111319, 0.0220049) |
| Jambi    | Ischemic heart disease                        | 35  | 1,769.6 (1,250.8, 2,396.1) | 0.013132 (0.0092822, 0.0177808) | 1,013.9 (655.1, 1,495.5)   | 0.008127 (0.0052509, 0.0119864) |
| Jambi    | Other cardiovascular and circulatory diseases | 35  | 596.1 (343.8, 940.8)       | 0.004424 (0.0025512, 0.0069817) | 694.1 (381.5, 1,122.7)     | 0.005563 (0.0030578, 0.0089980) |
| Jambi    | Diabetes mellitus                             | 35  | 441.4 (282.3, 645.2)       | 0.003275 (0.0020946, 0.0047877) | 605.6 (373.2, 914.6)       | 0.004854 (0.0029911, 0.0073307) |
| Jambi    | Chronic kidney disease                        | 35  | 674.2 (459.5, 947.8)       | 0.005003 (0.0034100, 0.0070333) | 622.2 (409.1, 916.4)       | 0.004987 (0.0032786, 0.0073449) |
| Jambi    | Cirrhosis                                     | 35  | 1,017.8 (614.2, 1,472.8)   | 0.007553 (0.0045581, 0.0109290) | 609.6 (349.0, 956.5)       | 0.004886 (0.0027969, 0.0076666) |
| Jambi    | Chronic respiratory diseases                  | 35  | 872.3 (552.3, 1,280.2)     | 0.006473 (0.0040982, 0.0095000) | 621.8 (380.8, 987.2)       | 0.004984 (0.0030522, 0.0079124) |
| Jambi    | Other non-communicable diseases               | 35  | 1,668.0 (1,212.7, 2,248.4) | 0.012378 (0.0089996, 0.0166850) | 1,628.1 (1,102.4, 2,284.1) | 0.013049 (0.0088360, 0.0183066) |
| Jambi    | Drowning                                      | 35  | 412.1 (199.7, 776.6)       | 0.003058 (0.0014821, 0.0057630) | 178.1 (78.0, 344.8)        | 0.001428 (0.0006254, 0.0027633) |
| Jambi    | Falls                                         | 35  | 271.7 (134.4, 484.8)       | 0.002016 (0.0009971, 0.0035977) | 144.7 (63.4, 279.8)        | 0.001160 (0.0005083, 0.0022423) |
| Jambi    | Interpersonal violence                        | 35  | 133.5 (75.8, 217.1)        | 0.000991 (0.0005626, 0.0016111) | 88.9 (42.2, 153.8)         | 0.000712 (0.0003381, 0.0012330) |
| Jambi    | Self-harm                                     | 35  | 144.1 (70.0, 256.2)        | 0.001069 (0.0005195, 0.0019014) | 77.7 (33.3, 150.0)         | 0.000623 (0.0002667, 0.0012021) |
| Jambi    | Transport injuries                            | 35  | 1,838.3 (1,231.1, 2,628.8) | 0.013642 (0.0091359, 0.0195074) | 699.2 (404.0, 1,109.9)     | 0.005604 (0.0032382, 0.0088958) |
| Jambi    | Other unintentional injuries                  | 35  | 726.6 (437.6, 1,107.0)     | 0.005392 (0.0032471, 0.0082151) | 317.0 (170.7, 525.0)       | 0.002541 (0.0013684, 0.0042077) |
| Jambi    | Diarrheal diseases                            | 40  | 400.1 (215.3, 646.1)       | 0.003605 (0.0019401, 0.0058217) | 507.6 (285.3, 785.7)       | 0.004962 (0.0027890, 0.0076800) |
| Jambi    | HIV/AIDS                                      | 40  | 78.6 (20.1, 206.8)         | 0.000708 (0.0001811, 0.0018633) | 67.9 (16.0, 182.8)         | 0.000664 (0.0001563, 0.0017866) |
| Jambi    | Lower respiratory infections                  | 40  | 249.7 (123.0, 433.8)       | 0.002250 (0.0011086, 0.0039088) | 209.4 (100.5, 366.0)       | 0.002047 (0.0009827, 0.0035778) |
| Jambi    | Malaria                                       | 40  | 225.4 (77.0, 507.9)        | 0.002031 (0.0006938, 0.0045765) | 155.3 (47.9, 372.9)        | 0.001518 (0.0004681, 0.0036447) |
| Jambi    | Tuberculosis                                  | 40  | 2,042.0 (1,457.1, 2,794.0) | 0.018398 (0.0131285, 0.0251746) | 1,227.8 (787.9, 1,761.0)   | 0.012002 (0.0077022, 0.0172141) |
| Jambi    | Maternal disorders                            | 40  |                            |                                 | 104.4 (56.3, 176.9)        | 0.001020 (0.0005503, 0.0017296) |
| Jambi    | Other communicable diseases                   | 40  | 725.8 (435.9, 1,080.5)     | 0.006540 (0.0039272, 0.0097355) | 692.9 (418.7, 1,043.0)     | 0.006774 (0.0040927, 0.0101951) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 40  | 259.9 (93.5, 543.7)        | 0.002342 (0.0008425, 0.0048988) | 133.8 (50.9, 280.5)        | 0.001308 (0.0004977, 0.0027417) |
| Jambi    | Breast cancer                                 | 40  | 13.2 (2.7, 37.3)           | 0.000119 (0.0000245, 0.0003357) | 1,023.5 (475.7, 1,834.5)   | 0.010005 (0.0046501, 0.0179324) |
| Jambi    | Cervical cancer                               | 40  |                            |                                 | 780.8 (320.6, 1,467.5)     | 0.007633 (0.0031336, 0.0143455) |
| Jambi    | Other malignant neoplasms                     | 40  | 1,500.5 (964.6, 2,228.2)   | 0.013520 (0.0086911, 0.0200763) | 814.8 (415.0, 1,364.1)     | 0.007964 (0.0040564, 0.0133344) |
| Jambi    | Cerebrovascular disease                       | 40  | 3,005.1 (2,248.4, 3,919.9) | 0.027077 (0.0202581, 0.0353189) | 2,835.5 (2,037.0, 3,824.0) | 0.027718 (0.0199122, 0.0373802) |
| Jambi    | Ischemic heart disease                        | 40  | 2,382.6 (1,705.1, 3,163.4) | 0.021467 (0.0153633, 0.0285021) | 1,363.8 (893.7, 1,963.7)   | 0.013332 (0.0087360, 0.0191959) |
| Jambi    | Other cardiovascular and circulatory diseases | 40  | 805.9 (458.7, 1,235.4)     | 0.007262 (0.0041332, 0.0111312) | 852.0 (488.8, 1,327.8)     | 0.008329 (0.0047778, 0.0129796) |
| Jambi    | Diabetes mellitus                             | 40  | 869.1 (591.3, 1,215.9)     | 0.007831 (0.0053275, 0.0109558) | 1,079.7 (690.2, 1,571.5)   | 0.010554 (0.0067464, 0.0153617) |
| Jambi    | Chronic kidney disease                        | 40  | 811.8 (560.0, 1,143.5)     | 0.007315 (0.0050452, 0.0103032) | 666.0 (435.3, 958.9)       | 0.006511 (0.0042556, 0.0093733) |
| Jambi    | Cirrhosis                                     | 40  | 1,167.8 (716.8, 1,763.4)   | 0.010522 (0.0064580, 0.0158882) | 678.6 (388.4, 1,040.2)     | 0.006633 (0.0037966, 0.0101676) |
| Jambi    | Chronic respiratory diseases                  | 40  | 1,010.6 (660.4, 1,487.8)   | 0.009105 (0.0059501, 0.0134051) | 633.7 (394.0, 982.6)       | 0.006194 (0.0038514, 0.0096053) |
| Jambi    | Other non-communicable diseases               | 40  | 1,710.2 (1,248.6, 2,341.8) | 0.015409 (0.0112497, 0.0210994) | 1,581.4 (1,100.1, 2,215.5) | 0.015459 (0.0107537, 0.0216573) |
| Jambi    | Drowning                                      | 40  | 192.1 (86.7, 375.1)        | 0.001731 (0.0007813, 0.0033793) | 98.2 (40.8, 199.6)         | 0.000960 (0.0003993, 0.0019512) |
| Jambi    | Falls                                         | 40  | 210.5 (103.8, 387.5)       | 0.001897 (0.0009349, 0.0034917) | 124.3 (57.6, 237.9)        | 0.001215 (0.0005627, 0.0023254) |
| Jambi    | Interpersonal violence                        | 40  | 95.5 (50.7, 157.7)         | 0.000861 (0.0004571, 0.0014206) | 57.5 (27.9, 101.3)         | 0.000562 (0.0002728, 0.0009903) |
| Jambi    | Self-harm                                     | 40  | 117.8 (55.7, 213.2)        | 0.001062 (0.0005019, 0.0019210) | 55.5 (23.8, 102.4)         | 0.000542 (0.0002327, 0.0010013) |
| Jambi    | Transport injuries                            | 40  | 1,329.7 (877.5, 1,938.5)   | 0.011981 (0.0079062, 0.0174661) | 522.0 (314.7, 825.5)       | 0.005102 (0.0030764, 0.0080698) |
| Jambi    | Other unintentional injuries                  | 40  | 527.2 (299.3, 799.3)       | 0.004750 (0.0026966, 0.0072019) | 227.2 (119.4, 382.6)       | 0.002221 (0.0011668, 0.0037404) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Diarrheal diseases                            | 45  | 369.3 (203.8, 608.2)       | 0.004008 (0.0022112, 0.0066007) | 558.7 (317.8, 872.7)       | 0.006415 (0.0036494, 0.0100198) |
| Jambi    | HIV/AIDS                                      | 45  | 36.2 (8.9, 100.2)          | 0.000393 (0.0000966, 0.0010872) | 37.3 (9.0, 101.8)          | 0.000428 (0.0001029, 0.0011688) |
| Jambi    | Lower respiratory infections                  | 45  | 265.6 (131.0, 455.3)       | 0.002882 (0.0014212, 0.0049410) | 286.4 (145.7, 482.7)       | 0.003289 (0.0016724, 0.0055417) |
| Jambi    | Malaria                                       | 45  | 179.0 (60.5, 396.7)        | 0.001943 (0.0006568, 0.0043052) | 133.7 (39.6, 318.4)        | 0.001535 (0.0004549, 0.0036558) |
| Jambi    | Tuberculosis                                  | 45  | 1,905.5 (1,340.3, 2,618.1) | 0.020679 (0.0145458, 0.0284122) | 1,331.5 (861.7, 1,904.6)   | 0.015288 (0.0098938, 0.0218680) |
| Jambi    | Maternal disorders                            | 45  |                            |                                 | 46.4 (21.1, 82.1)          | 0.000533 (0.0002426, 0.0009428) |
| Jambi    | Other communicable diseases                   | 45  | 578.0 (333.1, 903.3)       | 0.006273 (0.0036148, 0.0098028) | 677.3 (412.3, 1,043.0)     | 0.007777 (0.0047334, 0.0119756) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 45  | 343.7 (127.0, 699.1)       | 0.003730 (0.0013788, 0.0075864) | 158.1 (60.4, 317.1)        | 0.001815 (0.0006938, 0.0036408) |
| Jambi    | Breast cancer                                 | 45  | 18.0 (4.7, 43.0)           | 0.000195 (0.0000506, 0.0004665) | 952.0 (433.7, 1,664.8)     | 0.010930 (0.0049797, 0.0191145) |
| Jambi    | Cervical cancer                               | 45  |                            |                                 | 834.0 (374.2, 1,501.4)     | 0.009575 (0.0042969, 0.0172382) |
| Jambi    | Other malignant neoplasms                     | 45  | 1,395.1 (885.5, 2,099.5)   | 0.015140 (0.0096095, 0.0227844) | 734.5 (385.1, 1,279.2)     | 0.008433 (0.0044220, 0.0146870) |
| Jambi    | Cerebrovascular disease                       | 45  | 3,782.5 (2,855.5, 4,932.2) | 0.041048 (0.0309882, 0.0535260) | 4,123.5 (3,104.3, 5,250.9) | 0.047343 (0.0356418, 0.0602877) |
| Jambi    | Ischemic heart disease                        | 45  | 2,619.9 (1,886.6, 3,513.3) | 0.028432 (0.0204739, 0.0381272) | 1,765.5 (1,188.9, 2,474.7) | 0.020271 (0.0136500, 0.0284133) |
| Jambi    | Other cardiovascular and circulatory diseases | 45  | 945.6 (555.1, 1,451.6)     | 0.010262 (0.0060244, 0.0157527) | 1,096.8 (645.1, 1,666.1)   | 0.012593 (0.0074066, 0.0191295) |
| Jambi    | Diabetes mellitus                             | 45  | 1,280.1 (889.0, 1,787.6)   | 0.013892 (0.0096473, 0.0193998) | 1,752.3 (1,179.3, 2,415.7) | 0.020119 (0.0135400, 0.0277356) |
| Jambi    | Chronic kidney disease                        | 45  | 798.1 (549.1, 1,133.1)     | 0.008661 (0.0059590, 0.0122966) | 712.2 (483.9, 1,010.2)     | 0.008177 (0.0055554, 0.0115984) |
| Jambi    | Cirrhosis                                     | 45  | 1,107.0 (662.3, 1,631.3)   | 0.012013 (0.0071876, 0.0177036) | 751.8 (429.8, 1,155.6)     | 0.008632 (0.0049353, 0.0132682) |
| Jambi    | Chronic respiratory diseases                  | 45  | 1,198.2 (793.5, 1,755.4)   | 0.013004 (0.0086111, 0.0190499) | 824.0 (535.1, 1,247.5)     | 0.009461 (0.0061436, 0.0143226) |
| Jambi    | Other non-communicable diseases               | 45  | 1,558.4 (1,101.9, 2,158.7) | 0.016912 (0.0119585, 0.0234271) | 1,636.4 (1,151.2, 2,238.2) | 0.018789 (0.0132173, 0.0256978) |
| Jambi    | Drowning                                      | 45  | 120.0 (50.0, 238.1)        | 0.001303 (0.0005429, 0.0025838) | 84.0 (34.3, 178.0)         | 0.000965 (0.0003940, 0.0020436) |
| Jambi    | Falls                                         | 45  | 215.5 (100.8, 400.1)       | 0.002338 (0.0010938, 0.0043421) | 164.2 (77.7, 300.3)        | 0.001886 (0.0008925, 0.0034483) |
| Jambi    | Interpersonal violence                        | 45  | 74.0 (39.1, 126.8)         | 0.000803 (0.0004242, 0.0013760) | 48.5 (23.4, 85.2)          | 0.000557 (0.0002689, 0.0009785) |
| Jambi    | Self-harm                                     | 45  | 103.7 (48.0, 187.7)        | 0.001126 (0.0005205, 0.0020371) | 51.7 (22.9, 97.7)          | 0.000593 (0.0002624, 0.0011213) |
| Jambi    | Transport injuries                            | 45  | 1,225.5 (786.1, 1,799.1)   | 0.013300 (0.0085310, 0.0195241) | 589.9 (347.0, 898.4)       | 0.006773 (0.0039842, 0.0103154) |
| Jambi    | Other unintentional injuries                  | 45  | 450.2 (252.6, 706.0)       | 0.004886 (0.0027417, 0.0076615) | 227.4 (116.0, 389.1)       | 0.002611 (0.0013324, 0.0044672) |
| Jambi    | Diarrheal diseases                            | 50  | 467.7 (268.8, 762.5)       | 0.006089 (0.0034996, 0.0099268) | 650.6 (405.0, 957.9)       | 0.009361 (0.0058264, 0.0137823) |
| Jambi    | HIV/AIDS                                      | 50  | 14.7 (3.5, 41.8)           | 0.000191 (0.0000455, 0.0005444) | 14.3 (3.4, 41.2)           | 0.000206 (0.0000488, 0.0005922) |
| Jambi    | Lower respiratory infections                  | 50  | 344.8 (173.1, 582.6)       | 0.004489 (0.0022530, 0.0075854) | 336.8 (171.0, 558.3)       | 0.004845 (0.0024597, 0.0080329) |
| Jambi    | Malaria                                       | 50  | 165.7 (55.5, 383.0)        | 0.002157 (0.0007226, 0.0049862) | 117.5 (32.9, 293.6)        | 0.001690 (0.0004734, 0.0042238) |
| Jambi    | Tuberculosis                                  | 50  | 2,027.4 (1,383.3, 2,868.0) | 0.026394 (0.0180094, 0.0373381) | 1,310.2 (866.9, 1,868.9)   | 0.018851 (0.0124724, 0.0268894) |
| Jambi    | Maternal disorders                            | 50  |                            |                                 | 17.4 (5.6, 42.4)           | 0.000251 (0.0000809, 0.0006101) |
| Jambi    | Other communicable diseases                   | 50  | 565.5 (316.8, 880.7)       | 0.007362 (0.0041238, 0.0114652) | 604.9 (358.7, 911.1)       | 0.008703 (0.0051614, 0.0131089) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 50  | 380.4 (145.4, 754.3)       | 0.004953 (0.0018933, 0.0098202) | 156.1 (59.4, 322.4)        | 0.002245 (0.0008541, 0.0046389) |
| Jambi    | Breast cancer                                 | 50  | 15.4 (4.7, 35.3)           | 0.000200 (0.0000606, 0.0004590) | 735.5 (329.6, 1,315.2)     | 0.010582 (0.0047428, 0.0189224) |
| Jambi    | Cervical cancer                               | 50  |                            |                                 | 673.8 (292.2, 1,235.8)     | 0.009694 (0.0042040, 0.0177796) |
| Jambi    | Other malignant neoplasms                     | 50  | 1,072.7 (657.5, 1,668.7)   | 0.013965 (0.0085606, 0.0217248) | 664.9 (343.2, 1,145.7)     | 0.009567 (0.0049383, 0.0164832) |
| Jambi    | Cerebrovascular disease                       | 50  | 5,018.8 (3,729.0, 6,556.4) | 0.065340 (0.0485478, 0.0853578) | 5,040.7 (3,800.8, 6,349.5) | 0.072524 (0.0546837, 0.0913529) |
| Jambi    | Ischemic heart disease                        | 50  | 3,258.5 (2,266.5, 4,429.4) | 0.042422 (0.0295071, 0.0576659) | 1,963.6 (1,339.1, 2,760.5) | 0.028251 (0.0192668, 0.0397174) |
| Jambi    | Other cardiovascular and circulatory diseases | 50  | 1,182.5 (694.7, 1,841.6)   | 0.015395 (0.0090437, 0.0239752) | 1,319.0 (787.6, 1,980.7)   | 0.018977 (0.0113317, 0.0284980) |
| Jambi    | Diabetes mellitus                             | 50  | 1,664.9 (1,136.2, 2,351.4) | 0.021675 (0.0147927, 0.0306121) | 2,154.8 (1,481.3, 2,929.6) | 0.031002 (0.0213126, 0.0421491) |
| Jambi    | Chronic kidney disease                        | 50  | 811.3 (525.1, 1,203.8)     | 0.010562 (0.0068368, 0.0156725) | 692.4 (473.9, 977.4)       | 0.009962 (0.0068182, 0.0140623) |
| Jambi    | Cirrhosis                                     | 50  | 1,154.1 (677.9, 1,760.9)   | 0.015025 (0.0088254, 0.0229255) | 733.1 (424.6, 1,120.7)     | 0.010547 (0.0061089, 0.0161243) |
| Jambi    | Chronic respiratory diseases                  | 50  | 1,467.8 (965.0, 2,134.9)   | 0.019110 (0.0125636, 0.0277947) | 1,001.6 (660.9, 1,453.4)   | 0.014410 (0.0095082, 0.0209113) |
| Jambi    | Other non-communicable diseases               | 50  | 1,604.6 (1,110.9, 2,316.1) | 0.020890 (0.0144624, 0.0301534) | 1,590.6 (1,099.0, 2,200.6) | 0.022885 (0.0158115, 0.0316606) |
| Jambi    | Drowning                                      | 50  | 91.9 (37.5, 185.1)         | 0.001197 (0.0004882, 0.0024100) | 55.4 (21.7, 117.4)         | 0.000796 (0.0003126, 0.0016886) |
| Jambi    | Falls                                         | 50  | 251.2 (125.4, 454.0)       | 0.003270 (0.0016324, 0.0059110) | 166.8 (81.6, 300.3)        | 0.002400 (0.0011747, 0.0043204) |
| Jambi    | Interpersonal violence                        | 50  | 55.9 (28.0, 95.7)          | 0.000728 (0.0003649, 0.0012460) | 33.7 (16.5, 59.2)          | 0.000485 (0.0002373, 0.0008517) |
| Jambi    | Self-harm                                     | 50  | 86.3 (40.3, 157.4)         | 0.001123 (0.0005251, 0.0020493) | 39.7 (17.6, 77.0)          | 0.000571 (0.0002534, 0.0011079) |
| Jambi    | Transport injuries                            | 50  | 978.6 (600.1, 1,479.9)     | 0.012740 (0.0078131, 0.0192662) | 412.1 (240.3, 636.3)       | 0.005929 (0.0034577, 0.0091546) |
| Jambi    | Other unintentional injuries                  | 50  | 366.7 (201.3, 577.6)       | 0.004774 (0.0026208, 0.0075197) | 165.3 (89.3, 278.2)        | 0.002378 (0.0012849, 0.0040028) |
| Jambi    | Diarrheal diseases                            | 55  | 431.9 (242.8, 703.7)       | 0.008117 (0.0045639, 0.0132241) | 557.6 (345.9, 831.8)       | 0.012605 (0.0078192, 0.0188045) |
| Jambi    | HIV/AIDS                                      | 55  | 5.2 (1.2, 15.3)            | 0.000098 (0.0000222, 0.0002868) | 4.7 (1.1, 13.7)            | 0.000106 (0.0000243, 0.0003092) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Lower respiratory infections                  | 55  | 301.3 (149.3, 518.4)       | 0.005662 (0.0028063, 0.0097425) | 281.6 (145.3, 463.1)       | 0.006365 (0.0032857, 0.0104694) |
| Jambi    | Malaria                                       | 55  | 140.7 (46.8, 324.9)        | 0.002644 (0.0008804, 0.0061069) | 86.7 (24.7, 220.7)         | 0.001961 (0.0005590, 0.0049885) |
| Jambi    | Tuberculosis                                  | 55  | 1,528.2 (998.3, 2,182.2)   | 0.028720 (0.0187607, 0.0410111) | 880.3 (563.7, 1,268.7)     | 0.019902 (0.0127438, 0.0286817) |
| Jambi    | Other communicable diseases                   | 55  | 457.3 (253.8, 707.0)       | 0.008595 (0.0047692, 0.0132875) | 463.4 (277.4, 705.6)       | 0.010476 (0.0062714, 0.0159502) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 55  | 337.6 (133.2, 663.5)       | 0.006345 (0.0025033, 0.0124699) | 105.4 (38.7, 217.3)        | 0.002382 (0.0008752, 0.0049129) |
| Jambi    | Breast cancer                                 | 55  | 11.6 (3.5, 27.2)           | 0.000218 (0.0000658, 0.0005107) | 435.6 (184.9, 768.2)       | 0.009847 (0.0041805, 0.0173664) |
| Jambi    | Cervical cancer                               | 55  |                            |                                 | 384.2 (159.7, 698.4)       | 0.008685 (0.0036106, 0.0157895) |
| Jambi    | Other malignant neoplasms                     | 55  | 741.0 (451.7, 1,195.4)     | 0.013926 (0.0084897, 0.0224664) | 465.4 (250.1, 801.2)       | 0.010522 (0.0056541, 0.0181124) |
| Jambi    | Cerebrovascular disease                       | 55  | 5,039.1 (3,719.9, 6,609.6) | 0.094703 (0.0699106, 0.1242182) | 4,745.1 (3,663.9, 5,934.3) | 0.107272 (0.0828279, 0.1341541) |
| Jambi    | Ischemic heart disease                        | 55  | 3,145.5 (2,182.1, 4,287.6) | 0.059114 (0.0410098, 0.0805800) | 1,781.9 (1,234.1, 2,479.8) | 0.040282 (0.0278999, 0.0560605) |
| Jambi    | Other cardiovascular and circulatory diseases | 55  | 1,167.6 (664.0, 1,846.6)   | 0.021944 (0.0124797, 0.0347040) | 1,190.1 (725.5, 1,773.1)   | 0.026905 (0.0164000, 0.0400839) |
| Jambi    | Diabetes mellitus                             | 55  | 1,545.2 (1,022.4, 2,206.0) | 0.029040 (0.0192142, 0.0414578) | 1,835.1 (1,283.9, 2,510.6) | 0.041486 (0.0290247, 0.0567559) |
| Jambi    | Chronic kidney disease                        | 55  | 686.2 (443.7, 1,023.6)     | 0.012896 (0.0083391, 0.0192380) | 529.3 (363.8, 745.9)       | 0.011966 (0.0082235, 0.0168617) |
| Jambi    | Cirrhosis                                     | 55  | 904.3 (528.8, 1,349.8)     | 0.016995 (0.0099386, 0.0253672) | 544.7 (323.0, 812.3)       | 0.012314 (0.0073009, 0.0183623) |
| Jambi    | Chronic respiratory diseases                  | 55  | 1,384.6 (907.5, 1,993.1)   | 0.026021 (0.0170548, 0.0374572) | 858.5 (585.9, 1,237.8)     | 0.019409 (0.0132460, 0.0279817) |
| Jambi    | Other non-communicable diseases               | 55  | 1,445.7 (996.4, 2,057.2)   | 0.027169 (0.0187255, 0.0386619) | 1,332.7 (929.8, 1,816.0)   | 0.030127 (0.0210189, 0.0410538) |
| Jambi    | Drowning                                      | 55  | 57.5 (21.5, 131.2)         | 0.001081 (0.0004036, 0.0024658) | 34.9 (13.4, 79.6)          | 0.000788 (0.0003021, 0.0017985) |
| Jambi    | Falls                                         | 55  | 229.7 (111.3, 408.4)       | 0.004317 (0.0020917, 0.0076758) | 147.8 (78.0, 251.2)        | 0.003341 (0.0017641, 0.0056790) |
| Jambi    | Interpersonal violence                        | 55  | 37.4 (17.4, 66.3)          | 0.000703 (0.0003274, 0.0012463) | 19.5 (9.2, 34.8)           | 0.000440 (0.0002075, 0.0007857) |
| Jambi    | Self-harm                                     | 55  | 66.0 (30.2, 122.2)         | 0.001241 (0.0005677, 0.0022971) | 25.7 (11.2, 48.2)          | 0.000582 (0.0002540, 0.0010890) |
| Jambi    | Transport injuries                            | 55  | 560.8 (314.0, 888.6)       | 0.010539 (0.0059017, 0.0167003) | 220.8 (120.4, 362.3)       | 0.004990 (0.0027214, 0.0081894) |
| Jambi    | Other unintentional injuries                  | 55  | 255.4 (135.0, 417.9)       | 0.004801 (0.0025364, 0.0078547) | 104.7 (55.1, 172.4)        | 0.002366 (0.0012460, 0.0038972) |
| Jambi    | Diarrheal diseases                            | 60  | 421.8 (233.0, 696.9)       | 0.012382 (0.0068411, 0.0204590) | 564.5 (362.5, 831.4)       | 0.017943 (0.0115219, 0.0264273) |
| Jambi    | HIV/AIDS                                      | 60  | 3.2 (0.6, 9.7)             | 0.000094 (0.0000178, 0.0002849) | 2.9 (0.6, 9.4)             | 0.000093 (0.0000184, 0.0002994) |
| Jambi    | Lower respiratory infections                  | 60  | 355.1 (176.8, 597.7)       | 0.010424 (0.0051896, 0.0175477) | 369.7 (201.0, 591.8)       | 0.011750 (0.0063886, 0.0188107) |
| Jambi    | Malaria                                       | 60  | 128.0 (42.3, 301.4)        | 0.003757 (0.0012412, 0.0088487) | 74.3 (19.9, 194.4)         | 0.002362 (0.0006328, 0.0061784) |
| Jambi    | Tuberculosis                                  | 60  | 1,554.9 (1,026.4, 2,223.5) | 0.045649 (0.0301347, 0.0652784) | 901.7 (591.8, 1,265.3)     | 0.028661 (0.0188114, 0.0402202) |
| Jambi    | Other communicable diseases                   | 60  | 320.3 (164.8, 511.4)       | 0.009405 (0.0048383, 0.0150127) | 347.7 (200.8, 545.6)       | 0.011053 (0.0063825, 0.0173415) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 60  | 302.9 (119.9, 593.1)       | 0.008892 (0.0035210, 0.0174134) | 81.8 (28.6, 170.8)         | 0.002601 (0.0009085, 0.0054307) |
| Jambi    | Breast cancer                                 | 60  | 9.3 (2.5, 21.7)            | 0.000272 (0.0000743, 0.0006371) | 252.5 (100.8, 478.9)       | 0.008028 (0.0032052, 0.0152222) |
| Jambi    | Cervical cancer                               | 60  |                            |                                 | 285.5 (119.1, 528.8)       | 0.009074 (0.0037864, 0.0168099) |
| Jambi    | Other malignant neoplasms                     | 60  | 604.5 (366.3, 975.9)       | 0.017747 (0.0107555, 0.0286512) | 382.1 (202.4, 656.3)       | 0.012145 (0.0064351, 0.0208602) |
| Jambi    | Cerebrovascular disease                       | 60  | 4,798.1 (3,507.0, 6,312.0) | 0.140865 (0.1029624, 0.1853128) | 4,658.2 (3,720.9, 5,655.1) | 0.148070 (0.1182749, 0.1797561) |
| Jambi    | Ischemic heart disease                        | 60  | 2,684.4 (1,843.9, 3,697.5) | 0.078810 (0.0541350, 0.1085546) | 1,611.6 (1,145.0, 2,218.9) | 0.051228 (0.0363967, 0.0705319) |
| Jambi    | Other cardiovascular and circulatory diseases | 60  | 1,133.2 (654.1, 1,753.4)   | 0.033269 (0.0192041, 0.0514783) | 1,117.3 (688.3, 1,643.1)   | 0.035515 (0.0218779, 0.0522284) |
| Jambi    | Diabetes mellitus                             | 60  | 1,212.8 (801.6, 1,735.7)   | 0.035606 (0.0235335, 0.0509567) | 1,439.0 (1,022.0, 1,916.2) | 0.045742 (0.0324865, 0.0609091) |
| Jambi    | Chronic kidney disease                        | 60  | 556.6 (355.9, 812.5)       | 0.016341 (0.0104483, 0.0238538) | 416.4 (289.9, 582.0)       | 0.013235 (0.0092134, 0.0184999) |
| Jambi    | Cirrhosis                                     | 60  | 681.4 (390.9, 1,038.7)     | 0.020005 (0.0114770, 0.0304939) | 430.1 (256.1, 639.2)       | 0.013672 (0.0081392, 0.0203183) |
| Jambi    | Chronic respiratory diseases                  | 60  | 1,703.8 (1,139.4, 2,394.3) | 0.050023 (0.0334510, 0.0702946) | 1,008.6 (703.3, 1,407.6)   | 0.032062 (0.0223565, 0.0447426) |
| Jambi    | Other non-communicable diseases               | 60  | 1,421.2 (965.6, 2,035.6)   | 0.041725 (0.0283491, 0.0597636) | 1,315.1 (938.4, 1,780.8)   | 0.041804 (0.0298285, 0.0566052) |
| Jambi    | Drowning                                      | 60  | 36.9 (12.8, 83.8)          | 0.001085 (0.0003749, 0.0024593) | 27.4 (9.3, 63.9)           | 0.000871 (0.0002958, 0.0020307) |
| Jambi    | Falls                                         | 60  | 167.7 (79.4, 310.5)        | 0.004924 (0.0023310, 0.0091148) | 122.5 (63.7, 213.4)        | 0.003893 (0.0020258, 0.0067836) |
| Jambi    | Interpersonal violence                        | 60  | 22.6 (10.0, 40.9)          | 0.000665 (0.0002948, 0.0011995) | 11.2 (5.0, 22.5)           | 0.000356 (0.0001601, 0.0007138) |
| Jambi    | Self-harm                                     | 60  | 45.5 (20.0, 89.3)          | 0.001335 (0.0005868, 0.0026214) | 16.3 (7.0, 32.9)           | 0.000518 (0.0002215, 0.0010451) |
| Jambi    | Transport injuries                            | 60  | 406.2 (228.4, 639.0)       | 0.011925 (0.0067068, 0.0187597) | 172.8 (94.4, 274.7)        | 0.005493 (0.0030012, 0.0087311) |
| Jambi    | Other unintentional injuries                  | 60  | 179.8 (94.8, 291.0)        | 0.005279 (0.0027846, 0.0085448) | 75.7 (38.0, 128.9)         | 0.002407 (0.0012094, 0.0040976) |
| Jambi    | Diarrheal diseases                            | 65  | 518.4 (308.1, 806.9)       | 0.022707 (0.0134955, 0.0353426) | 746.2 (516.4, 1,040.9)     | 0.032688 (0.0226245, 0.0456010) |
| Jambi    | HIV/AIDS                                      | 65  | 2.4 (0.5, 7.4)             | 0.000104 (0.0000213, 0.0003244) | 2.4 (0.5, 7.1)             | 0.000103 (0.0000227, 0.0003117) |
| Jambi    | Lower respiratory infections                  | 65  | 324.8 (168.2, 550.2)       | 0.014226 (0.0073677, 0.0240986) | 376.0 (211.7, 583.7)       | 0.016471 (0.0092760, 0.0255695) |
| Jambi    | Malaria                                       | 65  | 96.4 (30.3, 231.0)         | 0.004223 (0.0013257, 0.0101166) | 58.1 (15.2, 159.0)         | 0.002547 (0.0006657, 0.0069653) |
| Jambi    | Tuberculosis                                  | 65  | 1,242.9 (793.8, 1,802.8)   | 0.054441 (0.0347684, 0.0789621) | 773.3 (501.4, 1,102.1)     | 0.033879 (0.0219646, 0.0482824) |
| Jambi    | Other communicable diseases                   | 65  | 235.3 (120.3, 383.9)       | 0.010307 (0.0052672, 0.0168161) | 278.6 (159.6, 441.5)       | 0.012207 (0.0069942, 0.0193428) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Jambi    | Tracheal, bronchus, and lung cancer           | 65  | 187.1 (70.5, 376.0)        | 0.008196 (0.0030889, 0.0164694) | 55.5 (19.3, 118.9)         | 0.002431 (0.0008459, 0.0052086) |
| Jambi    | Breast cancer                                 | 65  | 5.6 (1.3, 14.3)            | 0.000246 (0.0000581, 0.0006263) | 149.5 (57.8, 287.6)        | 0.006550 (0.0025337, 0.0125982) |
| Jambi    | Cervical cancer                               | 65  |                            |                                 | 175.9 (70.1, 338.6)        | 0.007708 (0.0030722, 0.0148322) |
| Jambi    | Other malignant neoplasms                     | 65  | 368.1 (219.4, 616.6)       | 0.016121 (0.0096114, 0.0270079) | 310.6 (166.8, 534.0)       | 0.013606 (0.0073095, 0.0233937) |
| Jambi    | Cerebrovascular disease                       | 65  | 3,944.2 (2,847.0, 5,249.9) | 0.172759 (0.1247026, 0.2299485) | 4,366.3 (3,524.0, 5,281.5) | 0.191285 (0.1543853, 0.2313774) |
| Jambi    | Ischemic heart disease                        | 65  | 2,048.9 (1,357.6, 2,882.5) | 0.089745 (0.0594647, 0.1262547) | 1,391.4 (963.9, 1,898.7)   | 0.060958 (0.0422263, 0.0831823) |
| Jambi    | Other cardiovascular and circulatory diseases | 65  | 977.7 (565.2, 1,509.7)     | 0.042826 (0.0247542, 0.0661247) | 1,088.3 (691.1, 1,569.4)   | 0.047680 (0.0302772, 0.0687530) |
| Jambi    | Diabetes mellitus                             | 65  | 763.9 (492.3, 1,107.7)     | 0.033458 (0.0215643, 0.0485203) | 1,037.4 (724.6, 1,393.5)   | 0.045446 (0.0317454, 0.0610471) |
| Jambi    | Chronic kidney disease                        | 65  | 406.6 (251.2, 601.9)       | 0.017811 (0.0110026, 0.0263631) | 343.2 (238.5, 477.8)       | 0.015034 (0.0104501, 0.0209315) |
| Jambi    | Cirrhosis                                     | 65  | 424.8 (235.0, 666.5)       | 0.018607 (0.0102911, 0.0291949) | 310.1 (183.7, 456.5)       | 0.013586 (0.0080459, 0.0199986) |
| Jambi    | Chronic respiratory diseases                  | 65  | 1,486.2 (986.7, 2,102.3)   | 0.065097 (0.0432196, 0.0920841) | 987.2 (706.9, 1,393.0)     | 0.043248 (0.0309676, 0.0610247) |
| Jambi    | Other non-communicable diseases               | 65  | 1,253.4 (842.2, 1,801.9)   | 0.054899 (0.0368886, 0.0789269) | 1,318.0 (953.2, 1,732.6)   | 0.057741 (0.0417602, 0.0759032) |
| Jambi    | Drowning                                      | 65  | 24.3 (8.3, 54.0)           | 0.001065 (0.0003629, 0.0023673) | 21.3 (6.9, 48.3)           | 0.000932 (0.0003023, 0.0021174) |
| Jambi    | Falls                                         | 65  | 138.6 (65.5, 251.6)        | 0.006072 (0.0028670, 0.0110200) | 116.8 (60.7, 200.6)        | 0.005117 (0.0026609, 0.0087876) |
| Jambi    | Interpersonal violence                        | 65  | 13.4 (5.7, 26.7)           | 0.000588 (0.0002489, 0.0011706) | 7.2 (3.0, 14.9)            | 0.000315 (0.0001296, 0.0006539) |
| Jambi    | Self-harm                                     | 65  | 30.6 (13.2, 61.5)          | 0.001341 (0.0005796, 0.0026917) | 11.8 (5.0, 22.9)           | 0.000515 (0.0002177, 0.0010019) |
| Jambi    | Transport injuries                            | 65  | 265.2 (146.3, 427.4)       | 0.011618 (0.0064095, 0.0187216) | 127.9 (67.2, 218.7)        | 0.005604 (0.0029449, 0.0095812) |
| Jambi    | Other unintentional injuries                  | 65  | 127.3 (67.5, 214.2)        | 0.005575 (0.0029561, 0.0093814) | 59.6 (30.5, 97.7)          | 0.002613 (0.0013364, 0.0042796) |
| Jambi    | Diarrheal diseases                            | 70  | 667.6 (404.9, 1,008.8)     | 0.040148 (0.0243490, 0.0606654) | 898.1 (629.8, 1,224.0)     | 0.051289 (0.0359698, 0.0698997) |
| Jambi    | HIV/AIDS                                      | 70  | 2.8 (0.6, 8.8)             | 0.000171 (0.0000337, 0.0005319) | 2.9 (0.6, 9.0)             | 0.000164 (0.0000349, 0.0005119) |
| Jambi    | Lower respiratory infections                  | 70  | 379.7 (195.7, 618.3)       | 0.022833 (0.0117716, 0.0371845) | 435.9 (247.5, 655.6)       | 0.024892 (0.0141359, 0.0374399) |
| Jambi    | Malaria                                       | 70  | 79.9 (24.7, 197.3)         | 0.004805 (0.0014882, 0.0118670) | 49.4 (13.3, 134.6)         | 0.002819 (0.0007593, 0.0076862) |
| Jambi    | Tuberculosis                                  | 70  | 1,134.8 (715.2, 1,664.3)   | 0.068241 (0.0430100, 0.1000869) | 782.9 (510.7, 1,090.9)     | 0.044713 (0.0291662, 0.0623020) |
| Jambi    | Other communicable diseases                   | 70  | 228.4 (116.7, 387.2)       | 0.013733 (0.0070179, 0.0232846) | 246.3 (135.5, 388.2)       | 0.014068 (0.0077381, 0.0221723) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 70  | 152.9 (58.0, 307.4)        | 0.009194 (0.0034871, 0.0184860) | 44.1 (14.8, 91.7)          | 0.002520 (0.0008478, 0.0052390) |
| Jambi    | Breast cancer                                 | 70  | 3.4 (0.7, 9.5)             | 0.000207 (0.0000421, 0.0005692) | 94.7 (36.3, 191.6)         | 0.005407 (0.0020752, 0.0109416) |
| Jambi    | Cervical cancer                               | 70  |                            |                                 | 98.6 (37.9, 194.1)         | 0.005633 (0.0021635, 0.0110833) |
| Jambi    | Other malignant neoplasms                     | 70  | 253.6 (145.6, 422.5)       | 0.015248 (0.0087551, 0.0254071) | 248.5 (138.1, 416.6)       | 0.014193 (0.0078877, 0.0237894) |
| Jambi    | Cerebrovascular disease                       | 70  | 3,617.2 (2,578.5, 4,874.5) | 0.217527 (0.1550621, 0.2931394) | 4,267.4 (3,509.3, 5,096.1) | 0.243709 (0.2004159, 0.2910374) |
| Jambi    | Ischemic heart disease                        | 70  | 1,743.3 (1,143.4, 2,478.7) | 0.104836 (0.0687587, 0.1490628) | 1,370.1 (967.2, 1,855.2)   | 0.078245 (0.0552353, 0.1059529) |
| Jambi    | Other cardiovascular and circulatory diseases | 70  | 957.8 (545.9, 1,513.8)     | 0.057597 (0.0328264, 0.0910372) | 1,139.4 (712.4, 1,625.0)   | 0.065073 (0.0406863, 0.0928016) |
| Jambi    | Diabetes mellitus                             | 70  | 507.9 (320.7, 754.7)       | 0.030542 (0.0192845, 0.0453840) | 760.0 (525.3, 1,021.8)     | 0.043405 (0.0300008, 0.0583555) |
| Jambi    | Chronic kidney disease                        | 70  | 315.5 (193.6, 473.4)       | 0.018971 (0.0116441, 0.0284693) | 298.0 (206.1, 418.9)       | 0.017018 (0.0117711, 0.0239260) |
| Jambi    | Cirrhosis                                     | 70  | 322.7 (174.7, 510.5)       | 0.019404 (0.0105086, 0.0306990) | 245.0 (145.0, 362.7)       | 0.013990 (0.0082837, 0.0207128) |
| Jambi    | Chronic respiratory diseases                  | 70  | 1,627.0 (1,111.2, 2,271.3) | 0.097841 (0.0668217, 0.1365891) | 1,154.0 (840.9, 1,558.4)   | 0.065906 (0.0480253, 0.0890023) |
| Jambi    | Other non-communicable diseases               | 70  | 1,239.1 (826.3, 1,767.2)   | 0.074514 (0.0496922, 0.1062758) | 1,391.1 (1,030.6, 1,824.0) | 0.079448 (0.0588587, 0.1041697) |
| Jambi    | Drowning                                      | 70  | 36.2 (13.4, 78.3)          | 0.002177 (0.0008087, 0.0047112) | 27.4 (11.4, 55.3)          | 0.001562 (0.0006489, 0.0031594) |
| Jambi    | Falls                                         | 70  | 136.0 (65.3, 240.4)        | 0.008176 (0.0039266, 0.0144556) | 106.1 (57.0, 175.7)        | 0.006062 (0.0032567, 0.0100343) |
| Jambi    | Interpersonal violence                        | 70  | 8.3 (3.2, 17.8)            | 0.000499 (0.0001933, 0.0010713) | 4.8 (1.9, 10.9)            | 0.000276 (0.0001059, 0.0006205) |
| Jambi    | Self-harm                                     | 70  | 22.2 (9.4, 46.0)           | 0.001338 (0.0005635, 0.0027662) | 9.6 (4.2, 18.8)            | 0.000549 (0.0002377, 0.0010716) |
| Jambi    | Transport injuries                            | 70  | 221.4 (118.6, 361.3)       | 0.013315 (0.0071326, 0.0217264) | 103.3 (55.6, 169.0)        | 0.005897 (0.0031765, 0.0096505) |
| Jambi    | Other unintentional injuries                  | 70  | 107.9 (56.7, 184.4)        | 0.006491 (0.0034077, 0.0110903) | 51.4 (26.3, 83.9)          | 0.002938 (0.0015032, 0.0047909) |
| Jambi    | Diarrheal diseases                            | 75  | 428.4 (259.3, 639.0)       | 0.050020 (0.0302742, 0.0746069) | 608.5 (445.8, 815.6)       | 0.070291 (0.0514985, 0.0942056) |
| Jambi    | HIV/AIDS                                      | 75  | 1.2 (0.2, 3.9)             | 0.000144 (0.0000269, 0.0004587) | 1.3 (0.3, 4.1)             | 0.000150 (0.0000305, 0.0004786) |
| Jambi    | Lower respiratory infections                  | 75  | 218.5 (111.5, 354.8)       | 0.025517 (0.0130129, 0.0414243) | 264.8 (152.8, 401.9)       | 0.030590 (0.0176461, 0.0464208) |
| Jambi    | Malaria                                       | 75  | 45.1 (13.7, 116.2)         | 0.005263 (0.0015944, 0.0135637) | 28.8 (7.7, 78.4)           | 0.003327 (0.0008878, 0.0090602) |
| Jambi    | Tuberculosis                                  | 75  | 545.6 (330.4, 829.4)       | 0.063698 (0.0385774, 0.0968424) | 388.6 (244.5, 560.4)       | 0.044889 (0.0282464, 0.0647301) |
| Jambi    | Other communicable diseases                   | 75  | 117.6 (60.1, 203.2)        | 0.013736 (0.0070219, 0.0237300) | 135.1 (76.3, 214.2)        | 0.015601 (0.0088107, 0.0247453) |
| Jambi    | Tracheal, bronchus, and lung cancer           | 75  | 62.0 (23.0, 130.7)         | 0.007243 (0.0026891, 0.0152598) | 19.9 (6.8, 43.5)           | 0.002297 (0.0007819, 0.0050260) |
| Jambi    | Breast cancer                                 | 75  | 1.3 (0.2, 3.6)             | 0.000148 (0.0000286, 0.0004259) | 36.6 (13.6, 71.9)          | 0.004228 (0.0015699, 0.0083078) |
| Jambi    | Cervical cancer                               | 75  |                            |                                 | 36.4 (12.6, 75.2)          | 0.004203 (0.0014564, 0.0086890) |
| Jambi    | Other malignant neoplasms                     | 75  | 107.6 (60.3, 179.9)        | 0.012559 (0.0070397, 0.0210062) | 126.6 (70.7, 205.6)        | 0.014620 (0.0081638, 0.0237467) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                         |                                 | Females                      |                                 |
|----------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Jambi    | Cerebrovascular disease                                  | 75  | 1,997.3 (1,403.4, 2,735.4)    | 0.233202 (0.1638586, 0.3193729) | 2,574.0 (2,138.4, 3,036.6)   | 0.297315 (0.2470061, 0.3507493) |
| Jambi    | Ischemic heart disease                                   | 75  | 1,046.3 (681.9, 1,501.2)      | 0.122166 (0.0796197, 0.1752746) | 900.9 (647.9, 1,196.2)       | 0.104066 (0.0748331, 0.1381744) |
| Jambi    | Other cardiovascular and circulatory diseases            | 75  | 547.1 (307.4, 881.3)          | 0.063881 (0.0358900, 0.1028963) | 703.4 (446.9, 994.8)         | 0.081245 (0.0516185, 0.1149086) |
| Jambi    | Diabetes mellitus                                        | 75  | 236.1 (147.0, 355.9)          | 0.027561 (0.0171574, 0.0415545) | 382.9 (266.4, 510.8)         | 0.044227 (0.0307658, 0.0590028) |
| Jambi    | Chronic kidney disease                                   | 75  | 157.5 (95.0, 238.9)           | 0.018386 (0.0110903, 0.0278983) | 159.9 (112.2, 221.6)         | 0.018474 (0.0129633, 0.0256009) |
| Jambi    | Cirrhosis                                                | 75  | 155.1 (81.3, 252.7)           | 0.018114 (0.0094943, 0.0295040) | 128.5 (75.4, 192.8)          | 0.014848 (0.0087147, 0.0222724) |
| Jambi    | Chronic respiratory diseases                             | 75  | 896.2 (605.9, 1,273.0)        | 0.104638 (0.0707435, 0.1486329) | 670.9 (498.1, 900.3)         | 0.077499 (0.0575295, 0.1039872) |
| Jambi    | Other non-communicable diseases                          | 75  | 785.3 (516.1, 1,144.7)        | 0.091688 (0.0602590, 0.1336562) | 957.0 (722.2, 1,229.7)       | 0.110540 (0.0834167, 0.1420365) |
| Jambi    | Drowning                                                 | 75  | 26.9 (9.7, 57.9)              | 0.003144 (0.0011366, 0.0067631) | 21.6 (9.1, 43.8)             | 0.002494 (0.0010486, 0.0050627) |
| Jambi    | Falls                                                    | 75  | 87.6 (42.5, 151.8)            | 0.010225 (0.0049566, 0.0177185) | 72.1 (40.9, 119.9)           | 0.008324 (0.0047192, 0.0138476) |
| Jambi    | Interpersonal violence                                   | 75  | 3.6 (1.1, 9.6)                | 0.000416 (0.0001258, 0.0011236) | 2.1 (0.7, 5.5)               | 0.000242 (0.0000783, 0.0006368) |
| Jambi    | Self-harm                                                | 75  | 11.6 (4.7, 25.1)              | 0.001359 (0.0005467, 0.0029358) | 5.1 (2.1, 10.7)              | 0.000586 (0.0002423, 0.0012333) |
| Jambi    | Transport injuries                                       | 75  | 89.6 (44.2, 161.4)            | 0.010457 (0.0051628, 0.0188394) | 43.5 (22.1, 76.1)            | 0.005020 (0.0025549, 0.0087897) |
| Jambi    | Other unintentional injuries                             | 75  | 56.7 (27.5, 97.5)             | 0.006614 (0.0032090, 0.0113891) | 27.9 (13.8, 47.9)            | 0.003222 (0.0015914, 0.0055346) |
| Jambi    | Diarrheal diseases                                       | 80  | 862.5 (599.5, 1,177.5)        | 0.122447 (0.0851011, 0.1671629) | 1,530.9 (1,183.2, 1,961.1)   | 0.160519 (0.1240635, 0.2056298) |
| Jambi    | HIV/AIDS                                                 | 80  | 1.6 (0.3, 5.8)                | 0.000223 (0.0000357, 0.0008277) | 2.3 (0.4, 8.5)               | 0.000240 (0.0000398, 0.0008930) |
| Jambi    | Lower respiratory infections                             | 80  | 315.5 (172.5, 501.2)          | 0.044789 (0.0244938, 0.0711569) | 512.1 (301.9, 765.0)         | 0.053699 (0.0316597, 0.0802092) |
| Jambi    | Malaria                                                  | 80  | 58.9 (16.7, 154.7)            | 0.008367 (0.0023663, 0.0219677) | 52.4 (13.2, 139.7)           | 0.005492 (0.0013850, 0.0146461) |
| Jambi    | Tuberculosis                                             | 80  | 608.5 (389.1, 884.5)          | 0.086392 (0.0552433, 0.1255627) | 661.9 (408.6, 961.1)         | 0.069402 (0.0428443, 0.1007722) |
| Jambi    | Other communicable diseases                              | 80  | 163.8 (88.6, 268.5)           | 0.023259 (0.0125806, 0.0381177) | 229.4 (129.1, 366.6)         | 0.024056 (0.0135364, 0.0384388) |
| Jambi    | Tracheal, bronchus, and lung cancer                      | 80  | 57.1 (21.3, 125.9)            | 0.008107 (0.0030174, 0.0178781) | 28.2 (9.5, 64.1)             | 0.002954 (0.0009963, 0.0067259) |
| Jambi    | Breast cancer                                            | 80  | 1.1 (0.2, 3.2)                | 0.000157 (0.0000272, 0.0004584) | 43.0 (14.3, 91.4)            | 0.004509 (0.0014987, 0.0095787) |
| Jambi    | Cervical cancer                                          | 80  |                               |                                 | 34.3 (9.8, 78.2)             | 0.003598 (0.0010310, 0.0081967) |
| Jambi    | Other malignant neoplasms                                | 80  | 105.9 (60.7, 171.5)           | 0.015032 (0.0086220, 0.0243508) | 174.5 (102.4, 284.2)         | 0.018296 (0.0107364, 0.0297989) |
| Jambi    | Cerebrovascular disease                                  | 80  | 2,382.4 (1,822.0, 3,051.3)    | 0.338213 (0.2586663, 0.4331826) | 4,353.5 (3,704.6, 5,046.6)   | 0.456490 (0.3884445, 0.5291609) |
| Jambi    | Ischemic heart disease                                   | 80  | 1,118.6 (787.1, 1,538.7)      | 0.158807 (0.1117354, 0.2184348) | 1,517.7 (1,113.0, 2,009.6)   | 0.159138 (0.1167067, 0.2107205) |
| Jambi    | Other cardiovascular and circulatory diseases            | 80  | 614.1 (370.7, 943.7)          | 0.087178 (0.0526215, 0.1339678) | 1,116.7 (702.0, 1,598.4)     | 0.117091 (0.0736041, 0.1675951) |
| Jambi    | Diabetes mellitus                                        | 80  | 223.0 (145.3, 324.6)          | 0.031657 (0.0206263, 0.0460818) | 528.5 (370.2, 709.6)         | 0.055413 (0.0388142, 0.0744032) |
| Jambi    | Chronic kidney disease                                   | 80  | 153.3 (96.0, 222.5)           | 0.021757 (0.0136275, 0.0315826) | 232.4 (161.2, 323.8)         | 0.024373 (0.0168996, 0.0339531) |
| Jambi    | Cirrhosis                                                | 80  | 157.1 (84.8, 243.9)           | 0.022303 (0.0120356, 0.0346322) | 178.8 (105.1, 264.9)         | 0.018747 (0.0110158, 0.0277752) |
| Jambi    | Chronic respiratory diseases                             | 80  | 1,087.2 (792.2, 1,460.5)      | 0.154350 (0.1124595, 0.2073332) | 1,130.5 (846.8, 1,498.8)     | 0.118538 (0.0887911, 0.1571616) |
| Jambi    | Other non-communicable diseases                          | 80  | 1,034.5 (746.4, 1,419.5)      | 0.146864 (0.1059572, 0.2015153) | 1,782.4 (1,362.3, 2,239.1)   | 0.186893 (0.1428487, 0.2347814) |
| Jambi    | Drowning                                                 | 80  | 32.1 (11.5, 71.7)             | 0.004557 (0.0016378, 0.0101810) | 29.8 (11.0, 65.6)            | 0.003124 (0.0011578, 0.0068829) |
| Jambi    | Falls                                                    | 80  | 136.4 (72.4, 220.6)           | 0.019363 (0.0102792, 0.0313111) | 137.9 (79.3, 219.8)          | 0.014464 (0.0083105, 0.0230495) |
| Jambi    | Interpersonal violence                                   | 80  | 3.2 (0.7, 9.9)                | 0.000449 (0.0000936, 0.0014011) | 2.8 (0.6, 8.4)               | 0.000291 (0.0000625, 0.0008784) |
| Jambi    | Self-harm                                                | 80  | 12.3 (4.6, 25.9)              | 0.001746 (0.0006581, 0.0036774) | 8.2 (3.0, 18.2)              | 0.000863 (0.0003175, 0.0019126) |
| Jambi    | Transport injuries                                       | 80  | 91.4 (44.0, 159.8)            | 0.012973 (0.0062447, 0.0226837) | 57.4 (24.9, 100.3)           | 0.006016 (0.0026152, 0.0105174) |
| Jambi    | Other unintentional injuries                             | 80  | 62.0 (29.0, 105.4)            | 0.008802 (0.0041223, 0.0149602) | 41.6 (20.0, 71.8)            | 0.004364 (0.0021003, 0.0075309) |
| Jambi    | Diarrheal diseases                                       | All | 12,255.4 (7,960.9, 17,894.5)  | 0.007175 (0.0046608, 0.0104766) | 13,715.2 (9,475.1, 18,611.1) | 0.008429 (0.0058228, 0.0114372) |
| Jambi    | HIV/AIDS                                                 | All | 1,140.8 (326.6, 2,924.3)      | 0.000668 (0.0001912, 0.0017120) | 772.9 (217.2, 1,976.6)       | 0.000475 (0.0001335, 0.0012147) |
| Jambi    | Lower respiratory infections                             | All | 14,755.7 (9,428.9, 20,695.8)  | 0.008639 (0.0055203, 0.0121167) | 10,937.9 (7,055.1, 15,528.3) | 0.006722 (0.0043356, 0.0095427) |
| Jambi    | Malaria                                                  | All | 3,114.7 (1,146.4, 7,076.0)    | 0.001824 (0.0006712, 0.0041427) | 1,939.2 (636.0, 4,475.0)     | 0.001192 (0.0003908, 0.0027501) |
| Jambi    | Tuberculosis                                             | All | 25,325.9 (17,645.8, 35,236.7) | 0.014827 (0.0103309, 0.0206298) | 14,666.1 (9,858.3, 20,440.9) | 0.009013 (0.0060583, 0.0125617) |
| Jambi    | Maternal disorders                                       | All |                               |                                 | 4,042.3 (2,818.9, 5,474.9)   | 0.002484 (0.0017323, 0.0033645) |
| Jambi    | Neonatal encephalopathy due to birth asphyxia and trauma | All | 10,484.3 (4,431.3, 18,260.7)  | 0.006138 (0.0025944, 0.0106909) | 7,503.4 (3,449.4, 14,138.3)  | 0.004611 (0.0021198, 0.0086885) |
| Jambi    | Preterm birth complications                              | All | 10,206.1 (4,285.4, 18,366.2)  | 0.005975 (0.0025089, 0.0107527) | 9,793.0 (4,406.5, 17,914.7)  | 0.006018 (0.0027080, 0.0110092) |
| Jambi    | Other neonatal disorders                                 | All | 5,714.0 (1,823.8, 12,817.0)   | 0.003345 (0.0010678, 0.0075039) | 3,965.2 (1,204.0, 9,382.6)   | 0.002437 (0.0007399, 0.0057660) |
| Jambi    | Other communicable diseases                              | All | 19,191.7 (13,270.4, 26,560.1) | 0.011236 (0.0077694, 0.0155500) | 13,761.4 (9,254.9, 19,225.6) | 0.008457 (0.0056875, 0.0118149) |
| Jambi    | Tracheal, bronchus, and lung cancer                      | All | 2,660.5 (1,051.9, 5,277.6)    | 0.001558 (0.0006159, 0.0030899) | 1,184.8 (461.9, 2,400.0)     | 0.000728 (0.0002838, 0.0014749) |
| Jambi    | Breast cancer                                            | All | 96.2 (29.6, 210.6)            | 0.000056 (0.0000173, 0.0001233) | 5,936.8 (2,678.1, 10,618.4)  | 0.003648 (0.0016458, 0.0065254) |
| Jambi    | Cervical cancer                                          | All |                               |                                 | 4,997.2 (2,091.6, 9,286.9)   | 0.003071 (0.0012854, 0.0057072) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                         |                                  | Females                       |                                 |
|------------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|-------------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)         | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jambi            | Other malignant neoplasms                                | All | 10,877.0 (6,870.5, 16,553.6)  | 0.006368 (0.0040224, 0.0096915)  | 8,720.9 (5,132.6, 13,760.5)   | 0.005359 (0.0031542, 0.0084563) |
| Jambi            | Cerebrovascular disease                                  | All | 38,981.2 (29,177.7, 50,868.5) | 0.022822 (0.0170825, 0.0297817)  | 42,033.6 (33,198.5, 52,048.8) | 0.025831 (0.0204018, 0.0319860) |
| Jambi            | Ischemic heart disease                                   | All | 24,940.6 (17,538.1, 33,702.1) | 0.014602 (0.0102679, 0.0197314)  | 16,476.5 (11,421.5, 22,974.3) | 0.010126 (0.0070190, 0.0141186) |
| Jambi            | Other cardiovascular and circulatory diseases            | All | 10,607.9 (6,238.0, 16,390.6)  | 0.006211 (0.0036521, 0.0095961)  | 12,208.5 (7,372.2, 18,058.6)  | 0.007503 (0.0045305, 0.0110977) |
| Jambi            | Diabetes mellitus                                        | All | 9,445.0 (6,458.7, 13,392.2)   | 0.005530 (0.0037813, 0.0078406)  | 12,537.7 (8,609.4, 17,133.6)  | 0.007705 (0.0052908, 0.0105292) |
| Jambi            | Chronic kidney disease                                   | All | 7,810.0 (5,311.7, 11,101.0)   | 0.004573 (0.0031098, 0.0064992)  | 7,008.0 (4,865.6, 9,763.0)    | 0.004307 (0.0029901, 0.0059997) |
| Jambi            | Cirrhosis                                                | All | 9,971.8 (5,955.0, 14,884.0)   | 0.005838 (0.0034865, 0.0087140)  | 6,173.4 (3,632.0, 9,287.9)    | 0.003794 (0.0022320, 0.0057078) |
| Jambi            | Chronic respiratory diseases                             | All | 15,959.5 (10,841.0, 22,392.8) | 0.009344 (0.0063470, 0.0131101)  | 10,941.4 (7,655.5, 15,418.6)  | 0.006724 (0.0047046, 0.0094753) |
| Jambi            | Other non-communicable diseases                          | All | 28,668.3 (21,485.6, 37,755.0) | 0.016784 (0.0125791, 0.0221042)  | 29,149.1 (22,156.5, 36,963.5) | 0.017913 (0.0136160, 0.0227155) |
| Jambi            | Drowning                                                 | All | 7,495.6 (4,760.9, 11,130.1)   | 0.004388 (0.0027874, 0.0065162)  | 2,733.1 (1,600.6, 4,468.9)    | 0.001680 (0.0009837, 0.0027463) |
| Jambi            | Falls                                                    | All | 3,467.0 (1,851.3, 5,832.1)    | 0.002030 (0.0010839, 0.0034145)  | 1,970.4 (1,039.5, 3,384.2)    | 0.001211 (0.0006388, 0.0020797) |
| Jambi            | Interpersonal violence                                   | All | 1,558.4 (963.7, 2,418.8)      | 0.000912 (0.0005642, 0.0014161)  | 1,043.0 (577.6, 1,684.2)      | 0.000641 (0.0003550, 0.0010350) |
| Jambi            | Self-harm                                                | All | 1,636.8 (853.1, 2,823.3)      | 0.000958 (0.0004995, 0.0016530)  | 900.6 (422.2, 1,608.2)        | 0.000553 (0.0002594, 0.0009883) |
| Jambi            | Transport injuries                                       | All | 25,223.0 (18,351.0, 33,814.7) | 0.014767 (0.0107438, 0.0197973)  | 9,537.7 (6,576.5, 13,614.1)   | 0.005861 (0.0040415, 0.0083664) |
| Jambi            | Other unintentional injuries                             | All | 8,544.7 (5,509.2, 12,240.0)   | 0.005003 (0.0032254, 0.0071661)  | 3,545.0 (2,088.8, 5,452.8)    | 0.002179 (0.0012836, 0.0033509) |
| Sumatera Selatan | Diarrheal diseases                                       | NN  | 1,934.5 (816.6, 3,603.5)      | 0.286354 (0.1208804, 0.5334159)  | 1,394.0 (604.8, 2,708.6)      | 0.212795 (0.0923254, 0.4134670) |
| Sumatera Selatan | Lower respiratory infections                             | NN  | 15,539.0 (7,548.9, 25,073.5)  | 2.300191 (1.1174400, 3.7115481)  | 8,334.5 (4,128.1, 14,490.9)   | 1.272244 (0.6301426, 2.2120111) |
| Sumatera Selatan | Malaria                                                  | NN  | 56.5 (12.7, 174.1)            | 0.008369 (0.0018862, 0.0257705)  | 29.0 (6.7, 90.7)              | 0.004421 (0.0010266, 0.0138494) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 43,502.1 (21,881.5, 70,272.7) | 6.439471 (3.2390449, 10.4022198) | 25,969.1 (13,106.2, 44,133.3) | 3.964145 (2.0006430, 6.7368970) |
| Sumatera Selatan | Preterm birth complications                              | NN  | 37,717.7 (18,233.9, 60,721.0) | 5.583218 (2.6991019, 8.9883137)  | 29,860.9 (14,932.7, 51,421.0) | 4.558237 (2.2794650, 7.8493552) |
| Sumatera Selatan | Other neonatal disorders                                 | NN  | 15,632.0 (5,963.8, 30,146.4)  | 2.313943 (0.8827997, 4.4624691)  | 8,831.8 (3,392.8, 17,860.4)   | 1.348158 (0.5179127, 2.7263629) |
| Sumatera Selatan | Other communicable diseases                              | NN  | 1,703.4 (714.6, 3,229.1)      | 0.252142 (0.1057818, 0.4779978)  | 851.9 (360.8, 1,677.3)        | 0.130039 (0.0550687, 0.2560396) |
| Sumatera Selatan | Other malignant neoplasms                                | NN  | 1,068.9 (407.4, 2,043.2)      | 0.158222 (0.0603008, 0.3024481)  | 762.9 (304.5, 1,480.5)        | 0.116460 (0.0464839, 0.2260020) |
| Sumatera Selatan | Cerebrovascular disease                                  | NN  | 353.5 (93.9, 868.1)           | 0.052325 (0.0138971, 0.1284946)  | 328.0 (85.1, 857.2)           | 0.050063 (0.0129880, 0.1308531) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | NN  | 614.4 (148.9, 1,622.3)        | 0.090944 (0.0220404, 0.2401417)  | 513.5 (130.9, 1,291.7)        | 0.078388 (0.0199846, 0.1971746) |
| Sumatera Selatan | Diabetes mellitus                                        | NN  | 74.3 (0.4, 604.4)             | 0.010993 (0.0000558, 0.0894623)  | 79.6 (0.4, 586.6)             | 0.012158 (0.0000643, 0.0895480) |
| Sumatera Selatan | Other non-communicable diseases                          | NN  | 22,847.1 (11,731.8, 35,906.4) | 3.381975 (1.7366130, 5.3150930)  | 18,322.7 (9,575.8, 30,431.6)  | 2.796934 (1.4617360, 4.6453509) |
| Sumatera Selatan | Drowning                                                 | NN  | 2,089.3 (774.2, 4,084.5)      | 0.309277 (0.1146016, 0.6046132)  | 461.4 (166.2, 992.7)          | 0.070437 (0.0253673, 0.1515376) |
| Sumatera Selatan | Falls                                                    | NN  | 369.2 (112.7, 871.9)          | 0.054651 (0.0166762, 0.1290590)  | 111.3 (33.3, 266.5)           | 0.016992 (0.0050836, 0.0406797) |
| Sumatera Selatan | Interpersonal violence                                   | NN  | 346.0 (106.0, 814.5)          | 0.051213 (0.0156952, 0.1205623)  | 177.9 (54.4, 441.1)           | 0.027158 (0.0083096, 0.0673273) |
| Sumatera Selatan | Transport injuries                                       | NN  | 1,399.7 (519.5, 2,797.6)      | 0.207188 (0.0769044, 0.4141163)  | 312.3 (114.0, 647.3)          | 0.047679 (0.0174077, 0.0988085) |
| Sumatera Selatan | Other unintentional injuries                             | NN  | 3,101.6 (1,282.3, 5,737.9)    | 0.459119 (0.1898168, 0.8493581)  | 918.0 (389.3, 1,908.7)        | 0.140132 (0.0594289, 0.2913672) |
| Sumatera Selatan | Diarrheal diseases                                       | PNN | 919.5 (454.8, 1,513.5)        | 0.010905 (0.0053934, 0.0179494)  | 1,049.2 (520.6, 1,779.4)      | 0.012832 (0.0063664, 0.0217621) |
| Sumatera Selatan | HIV/AIDS                                                 | PNN | 21.7 (6.0, 55.7)              | 0.000257 (0.0000715, 0.0006607)  | 17.9 (4.9, 46.5)              | 0.000219 (0.0000603, 0.0005686) |
| Sumatera Selatan | Lower respiratory infections                             | PNN | 550.5 (269.9, 887.6)          | 0.006529 (0.0032012, 0.0105268)  | 445.0 (223.2, 742.4)          | 0.005443 (0.0027298, 0.0090792) |
| Sumatera Selatan | Malaria                                                  | PNN | 25.8 (6.5, 73.6)              | 0.000306 (0.0000775, 0.0008730)  | 21.4 (5.3, 58.7)              | 0.000262 (0.0000650, 0.0007179) |
| Sumatera Selatan | Tuberculosis                                             | PNN | 110.4 (46.8, 194.8)           | 0.001309 (0.0005553, 0.0023099)  | 95.3 (40.2, 176.4)            | 0.001166 (0.0004912, 0.0021573) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 49.8 (14.9, 115.1)            | 0.000591 (0.0001762, 0.0013647)  | 42.7 (11.9, 98.9)             | 0.000522 (0.0001456, 0.0012091) |
| Sumatera Selatan | Preterm birth complications                              | PNN | 109.9 (42.0, 226.5)           | 0.001304 (0.0004980, 0.0026863)  | 142.3 (55.1, 299.6)           | 0.001740 (0.0006739, 0.0036636) |
| Sumatera Selatan | Other neonatal disorders                                 | PNN | 63.7 (18.0, 156.3)            | 0.000756 (0.0002140, 0.0018537)  | 54.6 (14.2, 147.6)            | 0.000668 (0.0001738, 0.0018050) |
| Sumatera Selatan | Other communicable diseases                              | PNN | 899.9 (429.8, 1,474.7)        | 0.010673 (0.0050972, 0.0174897)  | 714.8 (347.9, 1,184.5)        | 0.008742 (0.0042548, 0.0144868) |
| Sumatera Selatan | Other malignant neoplasms                                | PNN | 24.8 (9.9, 47.7)              | 0.000294 (0.0001178, 0.0005655)  | 25.6 (10.5, 51.1)             | 0.000313 (0.0001290, 0.0006246) |
| Sumatera Selatan | Cerebrovascular disease                                  | PNN | 8.2 (2.2, 20.8)               | 0.000097 (0.0000255, 0.0002466)  | 10.9 (2.9, 28.2)              | 0.000133 (0.0000349, 0.0003450) |
| Sumatera Selatan | Ischemic heart disease                                   | PNN | 7.0 (0.4, 30.6)               | 0.000083 (0.0000049, 0.0003630)  | 9.6 (0.6, 44.8)               | 0.000117 (0.0000074, 0.0005484) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | PNN | 14.0 (3.6, 34.9)              | 0.000166 (0.0000422, 0.0004141)  | 17.1 (4.4, 44.9)              | 0.000209 (0.0000541, 0.0005487) |
| Sumatera Selatan | Diabetes mellitus                                        | PNN | 1.8 (0.0, 14.2)               | 0.000021 (0.0000001, 0.0001680)  | 2.7 (0.0, 18.9)               | 0.000033 (0.0000002, 0.0002315) |
| Sumatera Selatan | Chronic kidney disease                                   | PNN | 25.6 (9.9, 54.5)              | 0.000304 (0.0001172, 0.0006459)  | 29.2 (10.9, 63.1)             | 0.000358 (0.0001338, 0.0007716) |
| Sumatera Selatan | Other non-communicable diseases                          | PNN | 519.7 (254.6, 827.0)          | 0.006164 (0.0030199, 0.0098081)  | 602.8 (306.1, 976.4)          | 0.007372 (0.0037432, 0.0119412) |
| Sumatera Selatan | Drowning                                                 | PNN | 57.5 (25.1, 105.9)            | 0.000682 (0.0002975, 0.0012556)  | 18.7 (7.3, 39.0)              | 0.000229 (0.0000894, 0.0004767) |
| Sumatera Selatan | Falls                                                    | PNN | 9.8 (3.5, 21.3)               | 0.000116 (0.0000410, 0.0002525)  | 4.3 (1.4, 10.0)               | 0.000053 (0.0000171, 0.0001223) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                        |                                 | Females                      |                                 |
|------------------|----------------------------------------------------------|-----|------------------------------|---------------------------------|------------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Sumatera Selatan | Interpersonal violence                                   | PNN | 9.0 (3.0, 21.8)              | 0.000107 (0.0000351, 0.0002590) | 6.8 (2.1, 16.4)              | 0.000083 (0.0000252, 0.0002005) |
| Sumatera Selatan | Transport injuries                                       | PNN | 38.1 (15.0, 72.6)            | 0.000452 (0.0001774, 0.0008610) | 12.4 (5.2, 24.9)             | 0.000152 (0.0000632, 0.0003045) |
| Sumatera Selatan | Other unintentional injuries                             | PNN | 80.8 (36.1, 143.0)           | 0.000959 (0.0004285, 0.0016959) | 35.1 (15.6, 67.5)            | 0.000429 (0.0001902, 0.0008251) |
| Sumatera Selatan | Diarrheal diseases                                       | 1   | 7,782.2 (3,006.5, 15,826.4)  | 0.022451 (0.0086738, 0.0456587) | 9,364.3 (3,866.1, 18,358.5)  | 0.028138 (0.0116166, 0.0551628) |
| Sumatera Selatan | HIV/AIDS                                                 | 1   | 422.1 (104.6, 1,172.8)       | 0.001218 (0.0003018, 0.0033835) | 366.3 (95.7, 1,053.8)        | 0.001101 (0.0002877, 0.0031665) |
| Sumatera Selatan | Lower respiratory infections                             | 1   | 10,360.4 (4,053.6, 20,600.3) | 0.029889 (0.0116944, 0.0594311) | 8,926.8 (4,093.8, 16,905.8)  | 0.026823 (0.0123010, 0.0507977) |
| Sumatera Selatan | Malaria                                                  | 1   | 175.8 (36.9, 520.5)          | 0.000507 (0.0001065, 0.0015017) | 153.5 (35.2, 412.9)          | 0.000461 (0.0001058, 0.0012406) |
| Sumatera Selatan | Tuberculosis                                             | 1   | 2,233.4 (841.6, 4,660.0)     | 0.006443 (0.0024281, 0.0134439) | 2,056.6 (854.7, 4,189.9)     | 0.006180 (0.0025680, 0.0125896) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 493.9 (119.1, 1,371.5)       | 0.001425 (0.0003435, 0.0039567) | 421.2 (109.5, 1,207.5)       | 0.001266 (0.0003289, 0.0036281) |
| Sumatera Selatan | Preterm birth complications                              | 1   | 209.2 (31.4, 664.5)          | 0.000604 (0.0000906, 0.0019172) | 270.2 (47.3, 915.2)          | 0.000812 (0.0001420, 0.0027498) |
| Sumatera Selatan | Other neonatal disorders                                 | 1   | 98.7 (0.7, 698.2)            | 0.000285 (0.0000021, 0.0020143) | 82.3 (0.6, 634.6)            | 0.000247 (0.0000018, 0.0019069) |
| Sumatera Selatan | Other communicable diseases                              | 1   | 16,864.8 (6,894.8, 33,126.2) | 0.048654 (0.0198911, 0.0955678) | 14,464.0 (6,517.6, 27,218.2) | 0.043461 (0.0195837, 0.0817842) |
| Sumatera Selatan | Other malignant neoplasms                                | 1   | 342.9 (117.4, 760.8)         | 0.000989 (0.0003387, 0.0021950) | 392.9 (153.6, 854.9)         | 0.001181 (0.0004615, 0.0025689) |
| Sumatera Selatan | Cerebrovascular disease                                  | 1   | 123.9 (28.9, 343.4)          | 0.000358 (0.0000834, 0.0009906) | 181.6 (45.0, 457.4)          | 0.000546 (0.0001352, 0.0013744) |
| Sumatera Selatan | Ischemic heart disease                                   | 1   | 109.6 (7.2, 508.6)           | 0.000316 (0.0000207, 0.0014672) | 164.3 (11.2, 735.1)          | 0.000494 (0.0000337, 0.0022087) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | 1   | 197.2 (45.7, 526.9)          | 0.000569 (0.0001318, 0.0015200) | 266.1 (65.0, 694.0)          | 0.000800 (0.0001952, 0.0020853) |
| Sumatera Selatan | Diabetes mellitus                                        | 1   | 22.7 (0.1, 179.7)            | 0.000066 (0.0000003, 0.0005184) | 38.6 (0.2, 289.0)            | 0.000116 (0.0000006, 0.0008683) |
| Sumatera Selatan | Chronic kidney disease                                   | 1   | 343.7 (108.8, 764.2)         | 0.000992 (0.0003139, 0.0022048) | 434.8 (152.2, 1,015.8)       | 0.001306 (0.0004574, 0.0030523) |
| Sumatera Selatan | Cirrhosis                                                | 1   | 433.2 (113.9, 1,160.6)       | 0.001250 (0.0003287, 0.0033482) | 263.9 (76.2, 656.6)          | 0.000793 (0.0002289, 0.0019730) |
| Sumatera Selatan | Chronic respiratory diseases                             | 1   | 1,126.9 (337.6, 2,656.9)     | 0.003251 (0.0009739, 0.0076650) | 565.2 (179.1, 1,381.5)       | 0.001698 (0.0005383, 0.0041511) |
| Sumatera Selatan | Other non-communicable diseases                          | 1   | 7,243.8 (2,954.8, 14,331.3)  | 0.020898 (0.0085245, 0.0413454) | 9,285.5 (4,323.2, 17,896.1)  | 0.027901 (0.0129901, 0.0537734) |
| Sumatera Selatan | Drowning                                                 | 1   | 3,087.6 (1,172.7, 6,347.6)   | 0.008908 (0.0033832, 0.0183126) | 1,115.8 (420.3, 2,282.9)     | 0.003353 (0.0012628, 0.0068597) |
| Sumatera Selatan | Falls                                                    | 1   | 370.7 (119.1, 901.8)         | 0.001069 (0.0003436, 0.0026017) | 182.0 (54.2, 481.2)          | 0.000547 (0.0001628, 0.0014460) |
| Sumatera Selatan | Interpersonal violence                                   | 1   | 275.6 (82.5, 668.6)          | 0.000795 (0.0002380, 0.0019288) | 233.4 (73.2, 577.4)          | 0.000701 (0.0002199, 0.0017349) |
| Sumatera Selatan | Transport injuries                                       | 1   | 1,819.6 (653.4, 3,865.5)     | 0.005249 (0.0018850, 0.0111520) | 663.9 (251.2, 1,393.0)       | 0.001995 (0.0007547, 0.0041856) |
| Sumatera Selatan | Other unintentional injuries                             | 1   | 2,620.9 (962.2, 5,421.1)     | 0.007561 (0.0027758, 0.0156395) | 1,255.3 (491.8, 2,636.9)     | 0.003772 (0.0014777, 0.0079233) |
| Sumatera Selatan | Diarrheal diseases                                       | 5   | 2,235.5 (1,572.8, 3,070.1)   | 0.005354 (0.0037666, 0.0073521) | 2,123.5 (1,550.6, 2,824.4)   | 0.005412 (0.0039518, 0.0071980) |
| Sumatera Selatan | HIV/AIDS                                                 | 5   | 85.9 (21.0, 229.6)           | 0.000206 (0.0000504, 0.0005498) | 57.9 (14.9, 154.8)           | 0.000148 (0.0000380, 0.0003945) |
| Sumatera Selatan | Lower respiratory infections                             | 5   | 1,963.3 (1,384.1, 2,604.7)   | 0.004702 (0.0033146, 0.0062376) | 1,326.6 (954.8, 1,773.3)     | 0.003381 (0.0024334, 0.0045195) |
| Sumatera Selatan | Malaria                                                  | 5   | 50.7 (14.6, 132.3)           | 0.000121 (0.0000351, 0.0003169) | 34.7 (10.7, 84.1)            | 0.000089 (0.0000272, 0.0002144) |
| Sumatera Selatan | Tuberculosis                                             | 5   | 612.8 (391.9, 941.8)         | 0.001468 (0.0009385, 0.0022553) | 439.6 (277.6, 647.4)         | 0.001120 (0.0007074, 0.0016500) |
| Sumatera Selatan | Other communicable diseases                              | 5   | 4,791.3 (3,812.3, 5,940.5)   | 0.011474 (0.0091295, 0.0142260) | 3,233.1 (2,513.1, 4,044.7)   | 0.008240 (0.0064049, 0.0103081) |
| Sumatera Selatan | Other malignant neoplasms                                | 5   | 968.8 (608.2, 1,429.3)       | 0.002320 (0.0014565, 0.0034230) | 879.3 (562.6, 1,274.8)       | 0.002241 (0.0014339, 0.0032489) |
| Sumatera Selatan | Cerebrovascular disease                                  | 5   | 220.5 (105.2, 396.1)         | 0.000528 (0.0002518, 0.0009486) | 252.8 (131.7, 428.4)         | 0.000644 (0.0003356, 0.0010918) |
| Sumatera Selatan | Ischemic heart disease                                   | 5   | 220.5 (87.9, 433.8)          | 0.000528 (0.0002105, 0.0010388) | 260.1 (107.8, 481.6)         | 0.000663 (0.0002748, 0.0012274) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | 5   | 394.3 (182.4, 747.5)         | 0.000944 (0.0004368, 0.0017902) | 410.6 (202.7, 747.9)         | 0.001046 (0.0005167, 0.0019061) |
| Sumatera Selatan | Diabetes mellitus                                        | 5   | 127.8 (51.0, 274.5)          | 0.000306 (0.0001221, 0.0006573) | 174.7 (73.9, 369.0)          | 0.000445 (0.0001885, 0.0009404) |
| Sumatera Selatan | Chronic kidney disease                                   | 5   | 333.1 (165.1, 587.0)         | 0.000798 (0.0003955, 0.0014058) | 333.2 (182.1, 565.7)         | 0.000849 (0.0004641, 0.0014417) |
| Sumatera Selatan | Cirrhosis                                                | 5   | 526.3 (286.0, 862.7)         | 0.001260 (0.0006850, 0.0020659) | 257.7 (144.9, 423.8)         | 0.000657 (0.0003692, 0.0010801) |
| Sumatera Selatan | Chronic respiratory diseases                             | 5   | 406.8 (207.0, 721.4)         | 0.000974 (0.0004957, 0.0017277) | 159.1 (82.0, 272.8)          | 0.000405 (0.0002090, 0.0006952) |
| Sumatera Selatan | Other non-communicable diseases                          | 5   | 2,808.4 (2,105.9, 3,610.0)   | 0.006725 (0.0050431, 0.0086450) | 2,841.8 (2,199.1, 3,539.4)   | 0.007243 (0.0056045, 0.0090204) |
| Sumatera Selatan | Drowning                                                 | 5   | 4,673.7 (3,479.1, 6,014.0)   | 0.011193 (0.0083316, 0.0144021) | 1,845.3 (1,221.7, 2,496.0)   | 0.004703 (0.0031136, 0.0063612) |
| Sumatera Selatan | Falls                                                    | 5   | 306.4 (144.5, 549.4)         | 0.000734 (0.0003460, 0.0013157) | 144.8 (65.3, 262.1)          | 0.000369 (0.0001664, 0.0006679) |
| Sumatera Selatan | Interpersonal violence                                   | 5   | 101.7 (43.8, 203.1)          | 0.000244 (0.0001050, 0.0004864) | 82.4 (37.9, 162.9)           | 0.000210 (0.0000966, 0.0004151) |
| Sumatera Selatan | Transport injuries                                       | 5   | 2,797.3 (1,973.9, 3,831.5)   | 0.006699 (0.0047270, 0.0091755) | 1,062.0 (683.1, 1,537.2)     | 0.002707 (0.0017408, 0.0039175) |
| Sumatera Selatan | Other unintentional injuries                             | 5   | 1,118.0 (695.7, 1,693.0)     | 0.002677 (0.0016659, 0.0040544) | 524.0 (319.4, 816.2)         | 0.001336 (0.0008140, 0.0020802) |
| Sumatera Selatan | Diarrheal diseases                                       | 10  | 1,029.6 (675.2, 1,479.6)     | 0.002561 (0.0016793, 0.0036802) | 911.4 (610.1, 1,269.6)       | 0.002393 (0.0016021, 0.0033340) |
| Sumatera Selatan | HIV/AIDS                                                 | 10  | 72.3 (22.1, 173.0)           | 0.000180 (0.0000549, 0.0004304) | 45.6 (14.7, 103.8)           | 0.000120 (0.0000385, 0.0002726) |
| Sumatera Selatan | Lower respiratory infections                             | 10  | 1,057.5 (719.8, 1,476.5)     | 0.002630 (0.0017903, 0.0036724) | 645.3 (440.4, 903.9)         | 0.001694 (0.0011565, 0.0023735) |
| Sumatera Selatan | Malaria                                                  | 10  | 95.3 (37.3, 206.5)           | 0.000237 (0.0000927, 0.0005135) | 62.0 (24.6, 130.7)           | 0.000163 (0.0000645, 0.0003432) |
| Sumatera Selatan | Tuberculosis                                             | 10  | 1,218.0 (855.2, 1,684.3)     | 0.003029 (0.0021272, 0.0041891) | 810.9 (575.6, 1,098.7)       | 0.002129 (0.0015114, 0.0028852) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                        |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|------------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Selatan | Maternal disorders                            | 10  |                              |                                 | 53.4 (10.0, 134.1)         | 0.000140 (0.0000261, 0.0003521) |
| Sumatera Selatan | Other communicable diseases                   | 10  | 3,300.3 (2,615.6, 4,176.9)   | 0.008209 (0.0065055, 0.0103889) | 2,022.3 (1,592.7, 2,527.7) | 0.005311 (0.0041824, 0.0066375) |
| Sumatera Selatan | Other malignant neoplasms                     | 10  | 1,301.6 (943.4, 1,742.7)     | 0.003237 (0.0023463, 0.0043345) | 1,140.4 (842.4, 1,516.3)   | 0.002995 (0.0022120, 0.0039817) |
| Sumatera Selatan | Cerebrovascular disease                       | 10  | 322.9 (200.3, 499.6)         | 0.000803 (0.0004983, 0.0012426) | 332.1 (201.4, 496.6)       | 0.000872 (0.0005288, 0.0013041) |
| Sumatera Selatan | Ischemic heart disease                        | 10  | 486.4 (296.8, 730.0)         | 0.001210 (0.0007382, 0.0018156) | 507.9 (327.5, 735.0)       | 0.001334 (0.0008600, 0.0019300) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 10  | 528.2 (307.0, 845.7)         | 0.001314 (0.0007636, 0.0021034) | 505.1 (305.4, 790.2)       | 0.001326 (0.0008018, 0.0020750) |
| Sumatera Selatan | Diabetes mellitus                             | 10  | 170.0 (93.7, 283.4)          | 0.000423 (0.0002330, 0.0007049) | 217.2 (121.8, 355.3)       | 0.000570 (0.0003199, 0.0009331) |
| Sumatera Selatan | Chronic kidney disease                        | 10  | 438.0 (279.3, 647.9)         | 0.001089 (0.0006946, 0.0016116) | 411.0 (263.4, 594.9)       | 0.001079 (0.0006917, 0.0015621) |
| Sumatera Selatan | Cirrhosis                                     | 10  | 562.1 (371.8, 803.2)         | 0.001398 (0.0009249, 0.0019977) | 253.7 (166.5, 367.3)       | 0.000666 (0.0004372, 0.0009644) |
| Sumatera Selatan | Chronic respiratory diseases                  | 10  | 670.9 (413.9, 980.1)         | 0.001669 (0.0010294, 0.0024377) | 256.9 (156.7, 387.1)       | 0.000675 (0.0004115, 0.0010165) |
| Sumatera Selatan | Other non-communicable diseases               | 10  | 2,930.2 (2,349.2, 3,561.2)   | 0.007288 (0.0058430, 0.0088576) | 2,673.1 (2,160.5, 3,245.7) | 0.007020 (0.0056732, 0.0085230) |
| Sumatera Selatan | Drowning                                      | 10  | 2,528.5 (1,773.1, 3,477.9)   | 0.006289 (0.0044101, 0.0086503) | 801.1 (471.6, 1,238.2)     | 0.002104 (0.0012383, 0.0032515) |
| Sumatera Selatan | Falls                                         | 10  | 273.1 (127.5, 507.7)         | 0.000679 (0.0003172, 0.0012628) | 110.4 (51.1, 209.3)        | 0.000290 (0.0001343, 0.0005497) |
| Sumatera Selatan | Interpersonal violence                        | 10  | 161.8 (94.1, 280.7)          | 0.000403 (0.0002342, 0.0006981) | 117.2 (67.6, 193.2)        | 0.000308 (0.0001775, 0.0005073) |
| Sumatera Selatan | Self-harm                                     | 10  | 296.3 (141.6, 563.9)         | 0.000737 (0.0003521, 0.0014025) | 184.1 (89.0, 334.1)        | 0.000483 (0.0002336, 0.0008773) |
| Sumatera Selatan | Transport injuries                            | 10  | 4,155.7 (3,237.7, 5,129.8)   | 0.010336 (0.0080530, 0.0127589) | 1,452.2 (1,049.8, 1,931.5) | 0.003813 (0.0027567, 0.0050721) |
| Sumatera Selatan | Other unintentional injuries                  | 10  | 1,124.1 (760.2, 1,575.6)     | 0.002796 (0.0018907, 0.0039189) | 462.0 (299.0, 673.3)       | 0.001213 (0.0007852, 0.0017681) |
| Sumatera Selatan | Diarrheal diseases                            | 15  | 644.8 (355.3, 1,048.2)       | 0.001707 (0.0009406, 0.0027747) | 406.7 (243.1, 619.0)       | 0.001130 (0.0006755, 0.0017203) |
| Sumatera Selatan | HIV/AIDS                                      | 15  | 67.2 (18.6, 160.2)           | 0.000178 (0.0000494, 0.0004240) | 30.5 (9.1, 73.6)           | 0.000085 (0.0000253, 0.0002045) |
| Sumatera Selatan | Lower respiratory infections                  | 15  | 534.3 (331.4, 820.0)         | 0.001414 (0.0008772, 0.0021707) | 214.9 (134.6, 329.8)       | 0.000597 (0.0003741, 0.0009164) |
| Sumatera Selatan | Malaria                                       | 15  | 249.5 (97.4, 528.1)          | 0.000661 (0.0002578, 0.0013980) | 116.2 (42.9, 245.3)        | 0.000323 (0.0001192, 0.0006816) |
| Sumatera Selatan | Tuberculosis                                  | 15  | 2,201.3 (1,562.6, 3,067.7)   | 0.005827 (0.0041364, 0.0081204) | 933.9 (675.6, 1,238.7)     | 0.002595 (0.0018773, 0.0034423) |
| Sumatera Selatan | Maternal disorders                            | 15  |                              |                                 | 861.7 (551.8, 1,304.1)     | 0.002395 (0.0015334, 0.0036240) |
| Sumatera Selatan | Other communicable diseases                   | 15  | 2,540.1 (1,796.5, 3,480.4)   | 0.006724 (0.0047554, 0.0092130) | 1,095.9 (785.0, 1,440.7)   | 0.003045 (0.0021816, 0.0040035) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 15  | 158.2 (56.1, 356.9)          | 0.000419 (0.0001485, 0.0009448) | 51.6 (18.1, 112.2)         | 0.000143 (0.0000502, 0.0003118) |
| Sumatera Selatan | Breast cancer                                 | 15  | 6.6 (0.9, 25.0)              | 0.000018 (0.0000023, 0.0000662) | 163.3 (54.5, 354.0)        | 0.000454 (0.0001513, 0.0009836) |
| Sumatera Selatan | Cervical cancer                               | 15  |                              |                                 | 106.3 (34.7, 243.2)        | 0.000295 (0.0000964, 0.0006758) |
| Sumatera Selatan | Other malignant neoplasms                     | 15  | 1,498.4 (1,022.8, 2,085.5)   | 0.003967 (0.0027075, 0.0055206) | 1,418.2 (1,024.5, 1,852.7) | 0.003941 (0.0028471, 0.0051486) |
| Sumatera Selatan | Cerebrovascular disease                       | 15  | 597.4 (351.5, 918.9)         | 0.001581 (0.0009304, 0.0024324) | 499.5 (306.7, 758.0)       | 0.001388 (0.0008524, 0.0021065) |
| Sumatera Selatan | Ischemic heart disease                        | 15  | 1,542.3 (1,009.0, 2,203.3)   | 0.004083 (0.0026708, 0.0058324) | 1,087.3 (744.8, 1,486.3)   | 0.003022 (0.0020697, 0.0041302) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 15  | 795.0 (463.8, 1,289.3)       | 0.002104 (0.0012277, 0.0034128) | 694.9 (408.0, 1,097.3)     | 0.001931 (0.0011338, 0.0030492) |
| Sumatera Selatan | Diabetes mellitus                             | 15  | 280.4 (150.1, 484.4)         | 0.000742 (0.0003973, 0.0012822) | 329.8 (182.3, 539.6)       | 0.000917 (0.0005065, 0.0014994) |
| Sumatera Selatan | Chronic kidney disease                        | 15  | 660.4 (405.0, 1,051.4)       | 0.001748 (0.0010721, 0.0027833) | 569.3 (371.2, 880.4)       | 0.001582 (0.0010314, 0.0024466) |
| Sumatera Selatan | Cirrhosis                                     | 15  | 727.5 (458.7, 1,128.7)       | 0.001926 (0.0012142, 0.0029879) | 302.7 (191.4, 471.8)       | 0.000841 (0.0005318, 0.0013111) |
| Sumatera Selatan | Chronic respiratory diseases                  | 15  | 551.2 (335.2, 868.9)         | 0.001459 (0.0008873, 0.0023000) | 237.6 (144.3, 365.1)       | 0.000660 (0.0004011, 0.0010145) |
| Sumatera Selatan | Other non-communicable diseases               | 15  | 3,432.3 (2,564.1, 4,593.9)   | 0.009086 (0.0067875, 0.0121606) | 2,684.0 (2,097.0, 3,306.7) | 0.007459 (0.0058273, 0.0091890) |
| Sumatera Selatan | Drowning                                      | 15  | 1,584.4 (923.9, 2,488.6)     | 0.004194 (0.0024456, 0.0065874) | 429.7 (240.8, 722.8)       | 0.001194 (0.0006693, 0.0020085) |
| Sumatera Selatan | Falls                                         | 15  | 278.7 (134.5, 496.4)         | 0.000738 (0.0003561, 0.0013140) | 101.8 (49.3, 175.1)        | 0.000283 (0.0001369, 0.0004867) |
| Sumatera Selatan | Interpersonal violence                        | 15  | 396.1 (242.2, 623.4)         | 0.001049 (0.0006410, 0.0016502) | 261.1 (152.0, 419.5)       | 0.000726 (0.0004224, 0.0011657) |
| Sumatera Selatan | Self-harm                                     | 15  | 602.0 (364.7, 945.0)         | 0.001594 (0.0009654, 0.0025015) | 341.1 (203.0, 549.9)       | 0.000948 (0.0005641, 0.0015281) |
| Sumatera Selatan | Transport injuries                            | 15  | 11,914.4 (9,254.3, 15,143.8) | 0.031539 (0.0244970, 0.0400871) | 4,387.9 (3,581.5, 5,234.5) | 0.012194 (0.0099526, 0.0145464) |
| Sumatera Selatan | Other unintentional injuries                  | 15  | 1,790.8 (1,183.4, 2,644.1)   | 0.004741 (0.0031326, 0.0069991) | 662.8 (448.6, 938.3)       | 0.001842 (0.0012466, 0.0026076) |
| Sumatera Selatan | Diarrheal diseases                            | 20  | 701.9 (413.1, 1,135.4)       | 0.001803 (0.0010612, 0.0029167) | 439.4 (265.7, 664.5)       | 0.001157 (0.0006998, 0.0017498) |
| Sumatera Selatan | HIV/AIDS                                      | 20  | 261.8 (91.6, 565.5)          | 0.000672 (0.0002354, 0.0014527) | 116.0 (42.9, 256.5)        | 0.000306 (0.0001130, 0.0006755) |
| Sumatera Selatan | Lower respiratory infections                  | 20  | 588.5 (355.3, 913.5)         | 0.001512 (0.0009128, 0.0023468) | 210.2 (132.3, 317.5)       | 0.000554 (0.0003484, 0.0008361) |
| Sumatera Selatan | Malaria                                       | 20  | 341.1 (134.4, 663.0)         | 0.000876 (0.0003451, 0.0017032) | 158.4 (56.8, 318.8)        | 0.000417 (0.0001495, 0.0008395) |
| Sumatera Selatan | Tuberculosis                                  | 20  | 4,980.3 (3,660.4, 6,891.9)   | 0.012794 (0.0094035, 0.0177053) | 1,826.8 (1,345.5, 2,325.6) | 0.004811 (0.0035432, 0.0061242) |
| Sumatera Selatan | Maternal disorders                            | 20  |                              |                                 | 980.0 (660.2, 1,385.4)     | 0.002581 (0.0017386, 0.0036483) |
| Sumatera Selatan | Other communicable diseases                   | 20  | 3,602.6 (2,556.3, 5,049.6)   | 0.009255 (0.0065671, 0.0129725) | 1,535.5 (1,121.3, 1,983.9) | 0.004044 (0.0029529, 0.0052244) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 20  | 126.3 (37.7, 314.7)          | 0.000324 (0.0000970, 0.0008086) | 85.5 (37.2, 176.2)         | 0.000225 (0.0000980, 0.0004641) |
| Sumatera Selatan | Breast cancer                                 | 20  | 9.2 (2.3, 24.0)              | 0.000024 (0.0000060, 0.0000617) | 540.6 (291.5, 880.4)       | 0.001424 (0.0007678, 0.0023185) |
| Sumatera Selatan | Cervical cancer                               | 20  |                              |                                 | 235.2 (102.7, 449.0)       | 0.000619 (0.0002705, 0.0011824) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Selatan | Other malignant neoplasms                     | 20  | 1,576.3       | (1,085.8, 2,245.8)  | 0.004050                 | (0.0027895, 0.0057694) | 1,674.4       | (1,216.7, 2,190.0) | 0.004409                 | (0.0032042, 0.0057672) |
| Sumatera Selatan | Cerebrovascular disease                       | 20  | 1,174.6       | (812.2, 1,670.0)    | 0.003018                 | (0.0020865, 0.0042902) | 804.0         | (576.7, 1,057.6)   | 0.002117                 | (0.0015188, 0.0027851) |
| Sumatera Selatan | Ischemic heart disease                        | 20  | 2,862.7       | (2,051.1, 4,109.5)  | 0.007354                 | (0.0052693, 0.0105573) | 1,330.1       | (984.0, 1,747.3)   | 0.003503                 | (0.0025913, 0.0046013) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 20  | 1,256.6       | (815.4, 1,877.1)    | 0.003228                 | (0.0020947, 0.0048222) | 1,023.8       | (696.0, 1,422.7)   | 0.002696                 | (0.0018328, 0.0037466) |
| Sumatera Selatan | Diabetes mellitus                             | 20  | 299.2         | (176.9, 477.3)      | 0.000769                 | (0.0004545, 0.0012261) | 320.2         | (194.0, 498.7)     | 0.000843                 | (0.0005109, 0.0013134) |
| Sumatera Selatan | Chronic kidney disease                        | 20  | 1,126.3       | (740.5, 1,689.0)    | 0.002893                 | (0.0019023, 0.0043390) | 882.1         | (615.0, 1,206.2)   | 0.002323                 | (0.0016195, 0.0031764) |
| Sumatera Selatan | Cirrhosis                                     | 20  | 1,289.5       | (861.5, 1,892.5)    | 0.003313                 | (0.0022132, 0.0048617) | 489.9         | (331.0, 693.9)     | 0.001290                 | (0.0008716, 0.0018274) |
| Sumatera Selatan | Chronic respiratory diseases                  | 20  | 1,290.2       | (868.2, 1,905.6)    | 0.003315                 | (0.0022303, 0.0048955) | 647.9         | (439.8, 890.1)     | 0.001706                 | (0.0011582, 0.0023440) |
| Sumatera Selatan | Other non-communicable diseases               | 20  | 3,412.5       | (2,494.0, 4,673.0)  | 0.008767                 | (0.0064072, 0.0120049) | 2,348.5       | (1,836.3, 2,891.2) | 0.006185                 | (0.0048358, 0.0076138) |
| Sumatera Selatan | Drowning                                      | 20  | 1,326.3       | (718.8, 2,240.2)    | 0.003407                 | (0.0018466, 0.0057550) | 280.0         | (141.2, 481.5)     | 0.000737                 | (0.0003720, 0.0012679) |
| Sumatera Selatan | Falls                                         | 20  | 310.1         | (151.7, 546.1)      | 0.000797                 | (0.0003897, 0.0014028) | 89.4          | (41.9, 160.5)      | 0.000235                 | (0.0001104, 0.0004226) |
| Sumatera Selatan | Interpersonal violence                        | 20  | 514.2         | (319.7, 813.0)      | 0.001321                 | (0.0008213, 0.0020885) | 269.9         | (160.8, 441.1)     | 0.000711                 | (0.0004235, 0.0011615) |
| Sumatera Selatan | Self-harm                                     | 20  | 662.6         | (407.6, 1,053.9)    | 0.001702                 | (0.0010472, 0.0027076) | 300.9         | (182.1, 476.3)     | 0.000792                 | (0.0004796, 0.0012542) |
| Sumatera Selatan | Transport injuries                            | 20  | 11,236.4      | (8,568.9, 15,241.4) | 0.028866                 | (0.0220133, 0.0391549) | 3,029.8       | (2,376.5, 3,747.5) | 0.007979                 | (0.0062583, 0.0098686) |
| Sumatera Selatan | Other unintentional injuries                  | 20  | 2,200.4       | (1,460.1, 3,262.2)  | 0.005653                 | (0.0037510, 0.0083805) | 647.0         | (429.4, 913.2)     | 0.001704                 | (0.0011309, 0.0024049) |
| Sumatera Selatan | Diarrheal diseases                            | 25  | 985.2         | (630.0, 1,498.9)    | 0.002510                 | (0.0016053, 0.0038191) | 529.0         | (339.6, 786.8)     | 0.001412                 | (0.0009063, 0.0020997) |
| Sumatera Selatan | HIV/AIDS                                      | 25  | 478.5         | (187.4, 934.4)      | 0.001219                 | (0.0004775, 0.0023809) | 183.5         | (78.2, 377.9)      | 0.000490                 | (0.0002086, 0.0010086) |
| Sumatera Selatan | Lower respiratory infections                  | 25  | 627.4         | (395.4, 971.9)      | 0.001599                 | (0.0010076, 0.0024764) | 191.0         | (117.0, 291.7)     | 0.000510                 | (0.0003122, 0.0007786) |
| Sumatera Selatan | Malaria                                       | 25  | 345.9         | (141.6, 652.4)      | 0.000881                 | (0.0003608, 0.0016623) | 130.4         | (49.2, 258.5)      | 0.000348                 | (0.0001312, 0.0006900) |
| Sumatera Selatan | Tuberculosis                                  | 25  | 6,741.0       | (5,311.1, 9,272.5)  | 0.017176                 | (0.0135328, 0.0236266) | 1,972.5       | (1,445.3, 2,543.2) | 0.005264                 | (0.0038572, 0.0067872) |
| Sumatera Selatan | Maternal disorders                            | 25  |               |                     |                          |                        | 1,418.6       | (983.0, 1,950.3)   | 0.003786                 | (0.0026234, 0.0052049) |
| Sumatera Selatan | Other communicable diseases                   | 25  | 3,812.8       | (2,884.3, 5,245.5)  | 0.009715                 | (0.0073494, 0.0133657) | 1,412.9       | (1,017.4, 1,871.1) | 0.003771                 | (0.0027151, 0.0049936) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 25  | 148.4         | (49.9, 336.9)       | 0.000378                 | (0.0001271, 0.0008585) | 101.8         | (48.0, 192.6)      | 0.000272                 | (0.0001281, 0.0005141) |
| Sumatera Selatan | Breast cancer                                 | 25  | 7.7           | (1.9, 21.8)         | 0.000020                 | (0.0000049, 0.0000555) | 929.3         | (615.5, 1,371.1)   | 0.002480                 | (0.0016426, 0.0036591) |
| Sumatera Selatan | Cervical cancer                               | 25  |               |                     |                          |                        | 398.3         | (202.5, 670.6)     | 0.001063                 | (0.0005404, 0.0017897) |
| Sumatera Selatan | Other malignant neoplasms                     | 25  | 1,848.6       | (1,393.7, 2,455.6)  | 0.004710                 | (0.0035512, 0.0062570) | 1,610.1       | (1,160.4, 2,151.9) | 0.004297                 | (0.0030969, 0.0057430) |
| Sumatera Selatan | Cerebrovascular disease                       | 25  | 1,950.3       | (1,496.3, 2,665.2)  | 0.004969                 | (0.0038127, 0.0067910) | 1,171.7       | (887.3, 1,472.2)   | 0.003127                 | (0.0023681, 0.0039291) |
| Sumatera Selatan | Ischemic heart disease                        | 25  | 5,075.7       | (4,044.8, 6,780.6)  | 0.012933                 | (0.0103064, 0.0172773) | 1,868.6       | (1,425.9, 2,360.0) | 0.004987                 | (0.0038053, 0.0062984) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 25  | 1,482.0       | (1,068.1, 2,058.1)  | 0.003776                 | (0.0027215, 0.0052442) | 1,108.8       | (768.7, 1,468.8)   | 0.002959                 | (0.0020515, 0.0039200) |
| Sumatera Selatan | Diabetes mellitus                             | 25  | 481.9         | (332.5, 688.6)      | 0.001228                 | (0.0008473, 0.0017545) | 444.7         | (300.5, 619.5)     | 0.001187                 | (0.0008021, 0.0016533) |
| Sumatera Selatan | Chronic kidney disease                        | 25  | 1,211.4       | (864.6, 1,718.8)    | 0.003087                 | (0.0022031, 0.0043796) | 812.4         | (565.0, 1,071.3)   | 0.002168                 | (0.0015079, 0.0028590) |
| Sumatera Selatan | Cirrhosis                                     | 25  | 1,744.0       | (1,239.6, 2,428.6)  | 0.004444                 | (0.0031586, 0.0061882) | 589.5         | (410.2, 797.8)     | 0.001573                 | (0.0010947, 0.0021292) |
| Sumatera Selatan | Chronic respiratory diseases                  | 25  | 1,451.9       | (1,029.0, 2,094.8)  | 0.003700                 | (0.0026220, 0.0053375) | 707.0         | (493.3, 956.7)     | 0.001887                 | (0.0013166, 0.0025532) |
| Sumatera Selatan | Other non-communicable diseases               | 25  | 3,613.4       | (2,816.2, 4,846.0)  | 0.009207                 | (0.0071757, 0.0123479) | 2,238.3       | (1,739.0, 2,808.6) | 0.005973                 | (0.0046409, 0.0074956) |
| Sumatera Selatan | Drowning                                      | 25  | 921.6         | (456.9, 1,660.1)    | 0.002348                 | (0.0011643, 0.0042301) | 176.7         | (88.4, 329.5)      | 0.000472                 | (0.0002358, 0.0008794) |
| Sumatera Selatan | Falls                                         | 25  | 450.3         | (238.0, 772.8)      | 0.001147                 | (0.0006065, 0.0019691) | 116.3         | (59.2, 198.0)      | 0.000311                 | (0.0001579, 0.0005285) |
| Sumatera Selatan | Interpersonal violence                        | 25  | 496.8         | (315.4, 776.8)      | 0.001266                 | (0.0008038, 0.0019793) | 214.0         | (123.4, 331.0)     | 0.000571                 | (0.0003292, 0.0008833) |
| Sumatera Selatan | Self-harm                                     | 25  | 587.1         | (368.8, 897.0)      | 0.001496                 | (0.0009397, 0.0022856) | 214.8         | (128.6, 342.0)     | 0.000573                 | (0.0003432, 0.0009128) |
| Sumatera Selatan | Transport injuries                            | 25  | 7,973.2       | (6,146.6, 10,573.2) | 0.020316                 | (0.0156617, 0.0269409) | 1,702.6       | (1,267.9, 2,246.7) | 0.004544                 | (0.0033836, 0.0059960) |
| Sumatera Selatan | Other unintentional injuries                  | 25  | 2,581.9       | (1,833.2, 3,790.7)  | 0.006579                 | (0.0046711, 0.0096589) | 648.3         | (422.1, 923.0)     | 0.001730                 | (0.0011266, 0.0024633) |
| Sumatera Selatan | Diarrheal diseases                            | 30  | 917.6         | (586.1, 1,372.3)    | 0.002641                 | (0.0016867, 0.0039492) | 497.3         | (313.9, 727.8)     | 0.001504                 | (0.0009493, 0.0022008) |
| Sumatera Selatan | HIV/AIDS                                      | 30  | 411.2         | (162.8, 821.4)      | 0.001183                 | (0.0004685, 0.0023637) | 163.9         | (68.3, 332.4)      | 0.000496                 | (0.0002065, 0.0010051) |
| Sumatera Selatan | Lower respiratory infections                  | 30  | 489.4         | (310.2, 748.1)      | 0.001408                 | (0.0008926, 0.0021529) | 159.2         | (100.3, 245.1)     | 0.000481                 | (0.0003033, 0.0007412) |
| Sumatera Selatan | Malaria                                       | 30  | 239.8         | (100.4, 455.7)      | 0.000690                 | (0.0002890, 0.0013113) | 88.0          | (35.0, 182.8)      | 0.000266                 | (0.0001058, 0.0005526) |
| Sumatera Selatan | Tuberculosis                                  | 30  | 5,489.4       | (4,315.6, 7,746.1)  | 0.015797                 | (0.0124195, 0.0222916) | 1,654.8       | (1,217.3, 2,192.4) | 0.005004                 | (0.0036809, 0.0066293) |
| Sumatera Selatan | Maternal disorders                            | 30  |               |                     |                          |                        | 1,312.0       | (904.9, 1,807.8)   | 0.003967                 | (0.0027363, 0.0054664) |
| Sumatera Selatan | Other communicable diseases                   | 30  | 2,241.2       | (1,653.1, 3,109.3)  | 0.006450                 | (0.0047572, 0.0089480) | 846.0         | (594.2, 1,162.1)   | 0.002558                 | (0.0017967, 0.0035138) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 30  | 258.1         | (112.3, 528.4)      | 0.000743                 | (0.0003233, 0.0015206) | 103.5         | (53.7, 183.9)      | 0.000313                 | (0.0001622, 0.0005560) |
| Sumatera Selatan | Breast cancer                                 | 30  | 10.2          | (1.9, 33.0)         | 0.000029                 | (0.0000055, 0.0000949) | 1,282.0       | (868.0, 1,796.2)   | 0.003877                 | (0.0026247, 0.0054311) |
| Sumatera Selatan | Cervical cancer                               | 30  |               |                     |                          |                        | 577.8         | (315.8, 923.2)     | 0.001747                 | (0.0009548, 0.0027914) |
| Sumatera Selatan | Other malignant neoplasms                     | 30  | 2,197.1       | (1,675.6, 2,948.8)  | 0.006323                 | (0.0048220, 0.0084860) | 1,445.7       | (1,026.1, 1,917.2) | 0.004372                 | (0.0031026, 0.0057970) |
| Sumatera Selatan | Cerebrovascular disease                       | 30  | 2,610.4       | (2,092.9, 3,535.7)  | 0.007512                 | (0.0060230, 0.0101750) | 1,639.7       | (1,244.2, 2,103.5) | 0.004958                 | (0.0037620, 0.0063604) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Selatan | Ischemic heart disease                        | 30  | 5,950.1       | (4,853.0, 7,929.1)  | 0.017123                 | (0.0139660, 0.0228182) | 2,341.3       | (1,761.1, 3,017.0) | 0.007080                 | (0.0053250, 0.0091227) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 30  | 1,540.6       | (1,159.2, 2,127.5)  | 0.004433                 | (0.0033359, 0.0061225) | 1,177.0       | (828.5, 1,600.4)   | 0.003559                 | (0.0025052, 0.0048391) |
| Sumatera Selatan | Diabetes mellitus                             | 30  | 692.1         | (504.5, 979.3)      | 0.001992                 | (0.0014518, 0.0028182) | 640.5         | (444.0, 857.1)     | 0.001937                 | (0.0013425, 0.0025917) |
| Sumatera Selatan | Chronic kidney disease                        | 30  | 1,145.1       | (822.0, 1,620.1)    | 0.003295                 | (0.0023657, 0.0046624) | 768.9         | (535.6, 1,043.7)   | 0.002325                 | (0.0016196, 0.0031559) |
| Sumatera Selatan | Cirrhosis                                     | 30  | 2,002.8       | (1,446.1, 2,769.0)  | 0.005764                 | (0.0041617, 0.0079685) | 697.1         | (493.6, 958.9)     | 0.002108                 | (0.0014924, 0.0028994) |
| Sumatera Selatan | Chronic respiratory diseases                  | 30  | 1,348.3       | (971.7, 1,886.9)    | 0.003880                 | (0.0027963, 0.0054301) | 649.3         | (446.2, 886.2)     | 0.001963                 | (0.0013492, 0.0026797) |
| Sumatera Selatan | Other non-communicable diseases               | 30  | 3,185.9       | (2,543.3, 4,212.7)  | 0.009168                 | (0.0073191, 0.0121233) | 2,045.9       | (1,565.9, 2,645.2) | 0.006186                 | (0.0047347, 0.0079982) |
| Sumatera Selatan | Drowning                                      | 30  | 904.4         | (500.3, 1,488.9)    | 0.002603                 | (0.0014399, 0.0042848) | 198.1         | (100.6, 338.9)     | 0.000599                 | (0.0003042, 0.0010247) |
| Sumatera Selatan | Falls                                         | 30  | 470.1         | (243.7, 789.7)      | 0.001353                 | (0.0007012, 0.0022727) | 135.4         | (67.4, 229.5)      | 0.000409                 | (0.0002038, 0.0006939) |
| Sumatera Selatan | Interpersonal violence                        | 30  | 330.2         | (209.4, 523.7)      | 0.000950                 | (0.0006026, 0.0015070) | 149.4         | (84.1, 238.5)      | 0.000452                 | (0.0002543, 0.0007212) |
| Sumatera Selatan | Self-harm                                     | 30  | 381.7         | (237.3, 595.2)      | 0.001098                 | (0.0006828, 0.0017129) | 145.0         | (86.9, 234.5)      | 0.000438                 | (0.0002626, 0.0007090) |
| Sumatera Selatan | Transport injuries                            | 30  | 6,022.5       | (4,742.2, 7,994.3)  | 0.017331                 | (0.0136471, 0.0230060) | 1,377.8       | (987.1, 1,839.4)   | 0.004166                 | (0.0029847, 0.0055617) |
| Sumatera Selatan | Other unintentional injuries                  | 30  | 2,049.9       | (1,403.2, 2,965.6)  | 0.005899                 | (0.0040382, 0.0085344) | 552.6         | (359.5, 808.9)     | 0.001671                 | (0.0010870, 0.0024457) |
| Sumatera Selatan | Diarrheal diseases                            | 35  | 698.0         | (454.2, 1,035.1)    | 0.002300                 | (0.0014964, 0.0034106) | 497.7         | (321.6, 740.8)     | 0.001751                 | (0.0011311, 0.0026057) |
| Sumatera Selatan | HIV/AIDS                                      | 35  | 305.9         | (124.3, 603.9)      | 0.001008                 | (0.0004096, 0.0019898) | 155.0         | (67.0, 323.2)      | 0.000545                 | (0.0002357, 0.0011368) |
| Sumatera Selatan | Lower respiratory infections                  | 35  | 436.0         | (284.3, 659.7)      | 0.001437                 | (0.0009369, 0.0021735) | 188.8         | (117.1, 286.2)     | 0.000664                 | (0.0004119, 0.0010068) |
| Sumatera Selatan | Malaria                                       | 35  | 189.4         | (77.5, 379.6)       | 0.000624                 | (0.0002555, 0.0012507) | 84.5          | (32.7, 174.7)      | 0.000297                 | (0.0001152, 0.0006145) |
| Sumatera Selatan | Tuberculosis                                  | 35  | 5,107.4       | (4,150.9, 6,913.5)  | 0.016828                 | (0.0136766, 0.0227793) | 1,878.2       | (1,363.0, 2,486.2) | 0.006607                 | (0.0047942, 0.0087450) |
| Sumatera Selatan | Maternal disorders                            | 35  |               |                     |                          |                        | 918.8         | (613.8, 1,295.1)   | 0.003232                 | (0.0021589, 0.0045553) |
| Sumatera Selatan | Other communicable diseases                   | 35  | 1,712.0       | (1,243.3, 2,326.1)  | 0.005641                 | (0.0040965, 0.0076644) | 869.9         | (594.9, 1,193.8)   | 0.003060                 | (0.0020924, 0.0041992) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 35  | 221.5         | (93.2, 438.7)       | 0.000730                 | (0.0003070, 0.0014453) | 129.8         | (70.9, 223.4)      | 0.000457                 | (0.0002493, 0.0007859) |
| Sumatera Selatan | Breast cancer                                 | 35  | 19.0          | (4.1, 58.4)         | 0.000063                 | (0.0000135, 0.0001924) | 1,766.2       | (1,231.4, 2,436.3) | 0.006213                 | (0.0043314, 0.0085694) |
| Sumatera Selatan | Cervical cancer                               | 35  |               |                     |                          |                        | 898.4         | (516.7, 1,402.2)   | 0.003160                 | (0.0018176, 0.0049321) |
| Sumatera Selatan | Other malignant neoplasms                     | 35  | 2,756.0       | (2,159.0, 3,656.6)  | 0.009081                 | (0.0071138, 0.0120480) | 1,476.1       | (1,030.7, 1,993.7) | 0.005192                 | (0.0036255, 0.0070129) |
| Sumatera Selatan | Cerebrovascular disease                       | 35  | 3,724.0       | (3,032.8, 4,996.2)  | 0.012270                 | (0.0099927, 0.0164618) | 2,531.1       | (1,942.2, 3,234.0) | 0.008903                 | (0.0068318, 0.0113755) |
| Sumatera Selatan | Ischemic heart disease                        | 35  | 7,621.4       | (6,304.5, 10,152.2) | 0.025112                 | (0.0207728, 0.0334503) | 3,234.6       | (2,464.7, 4,142.0) | 0.011378                 | (0.0086696, 0.0145694) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 35  | 1,795.5       | (1,399.5, 2,423.3)  | 0.005916                 | (0.0046111, 0.0079846) | 1,440.3       | (1,046.8, 1,916.8) | 0.005066                 | (0.0036819, 0.0067422) |
| Sumatera Selatan | Diabetes mellitus                             | 35  | 1,197.3       | (893.1, 1,636.6)    | 0.003945                 | (0.0029428, 0.0053925) | 1,140.0       | (829.8, 1,538.9)   | 0.004010                 | (0.0029187, 0.0054130) |
| Sumatera Selatan | Chronic kidney disease                        | 35  | 1,263.9       | (911.5, 1,742.8)    | 0.004164                 | (0.0030032, 0.0057424) | 864.0         | (601.5, 1,169.9)   | 0.003039                 | (0.0021159, 0.0041150) |
| Sumatera Selatan | Cirrhosis                                     | 35  | 2,273.3       | (1,686.7, 3,051.7)  | 0.007490                 | (0.0055574, 0.0100551) | 855.5         | (599.9, 1,166.4)   | 0.003009                 | (0.0021101, 0.0041028) |
| Sumatera Selatan | Chronic respiratory diseases                  | 35  | 1,476.7       | (1,094.3, 2,031.6)  | 0.004866                 | (0.0036056, 0.0066940) | 721.8         | (510.4, 979.1)     | 0.002539                 | (0.0017954, 0.0034439) |
| Sumatera Selatan | Other non-communicable diseases               | 35  | 2,981.8       | (2,392.5, 3,908.6)  | 0.009825                 | (0.0078830, 0.0128783) | 2,050.7       | (1,559.7, 2,656.8) | 0.007213                 | (0.0054862, 0.0093453) |
| Sumatera Selatan | Drowning                                      | 35  | 967.7         | (539.6, 1,535.2)    | 0.003189                 | (0.0017781, 0.0050582) | 268.8         | (141.0, 445.0)     | 0.000946                 | (0.0004958, 0.0015652) |
| Sumatera Selatan | Falls                                         | 35  | 415.8         | (225.3, 683.8)      | 0.001370                 | (0.0007425, 0.0022530) | 145.0         | (71.9, 242.5)      | 0.000510                 | (0.0002531, 0.0008530) |
| Sumatera Selatan | Interpersonal violence                        | 35  | 265.8         | (168.6, 407.7)      | 0.000876                 | (0.0005555, 0.0013435) | 127.2         | (70.8, 203.4)      | 0.000448                 | (0.0002489, 0.0007154) |
| Sumatera Selatan | Self-harm                                     | 35  | 334.0         | (206.4, 508.3)      | 0.001100                 | (0.0006799, 0.0016749) | 131.0         | (76.3, 216.2)      | 0.000461                 | (0.0002683, 0.0007603) |
| Sumatera Selatan | Transport injuries                            | 35  | 4,417.2       | (3,396.3, 5,869.4)  | 0.014554                 | (0.0111905, 0.0193391) | 1,136.5       | (809.2, 1,539.1)   | 0.003998                 | (0.0028462, 0.0054136) |
| Sumatera Selatan | Other unintentional injuries                  | 35  | 1,761.1       | (1,239.7, 2,452.4)  | 0.005803                 | (0.0040846, 0.0080805) | 529.9         | (349.2, 775.5)     | 0.001864                 | (0.0012282, 0.0027279) |
| Sumatera Selatan | Diarrheal diseases                            | 40  | 674.6         | (436.3, 976.8)      | 0.002615                 | (0.0016909, 0.0037860) | 583.4         | (385.7, 838.6)     | 0.002320                 | (0.0015341, 0.0033355) |
| Sumatera Selatan | HIV/AIDS                                      | 40  | 138.4         | (56.6, 285.0)       | 0.000537                 | (0.0002192, 0.0011048) | 85.1          | (35.7, 178.3)      | 0.000339                 | (0.0001421, 0.0007092) |
| Sumatera Selatan | Lower respiratory infections                  | 40  | 374.5         | (247.7, 555.4)      | 0.001451                 | (0.0009600, 0.0021528) | 204.5         | (131.6, 313.4)     | 0.000814                 | (0.0005236, 0.0012466) |
| Sumatera Selatan | Malaria                                       | 40  | 173.3         | (72.2, 333.1)       | 0.000672                 | (0.0002800, 0.0012909) | 87.6          | (34.6, 172.0)      | 0.000348                 | (0.0001375, 0.0006841) |
| Sumatera Selatan | Tuberculosis                                  | 40  | 4,254.3       | (3,405.7, 5,684.3)  | 0.016489                 | (0.0132000, 0.0220318) | 1,825.7       | (1,352.0, 2,409.4) | 0.007262                 | (0.0053776, 0.0095837) |
| Sumatera Selatan | Maternal disorders                            | 40  |               |                     |                          |                        | 347.6         | (202.1, 538.1)     | 0.001383                 | (0.0008038, 0.0021404) |
| Sumatera Selatan | Other communicable diseases                   | 40  | 1,468.3       | (1,073.1, 2,017.8)  | 0.005691                 | (0.0041593, 0.0078206) | 923.6         | (641.5, 1,270.0)   | 0.003674                 | (0.0025518, 0.0050516) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 40  | 411.9         | (229.1, 721.2)      | 0.001597                 | (0.0008881, 0.0027955) | 154.8         | (86.5, 265.4)      | 0.000616                 | (0.0003442, 0.0010557) |
| Sumatera Selatan | Breast cancer                                 | 40  | 35.6          | (10.7, 88.5)        | 0.000138                 | (0.0000415, 0.0003431) | 2,216.3       | (1,539.5, 3,072.8) | 0.008816                 | (0.0061235, 0.0122223) |
| Sumatera Selatan | Cervical cancer                               | 40  |               |                     |                          |                        | 1,229.2       | (747.1, 1,844.2)   | 0.004889                 | (0.0029716, 0.0073355) |
| Sumatera Selatan | Other malignant neoplasms                     | 40  | 3,365.8       | (2,608.8, 4,374.3)  | 0.013045                 | (0.0101114, 0.0169542) | 1,493.5       | (1,041.4, 2,045.3) | 0.005941                 | (0.0041425, 0.0081355) |
| Sumatera Selatan | Cerebrovascular disease                       | 40  | 5,460.6       | (4,458.4, 7,254.5)  | 0.021165                 | (0.0172804, 0.0281177) | 3,798.4       | (2,914.0, 4,832.9) | 0.015109                 | (0.0115907, 0.0192232) |
| Sumatera Selatan | Ischemic heart disease                        | 40  | 10,532.8      | (8,702.8, 13,659.4) | 0.040824                 | (0.0337311, 0.0529425) | 4,566.6       | (3,465.5, 5,785.8) | 0.018164                 | (0.0137846, 0.0230137) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 40  | 2,341.8       | (1,848.8, 3,111.5)  | 0.009077                 | (0.0071658, 0.0120597) | 1,878.4       | (1,358.6, 2,509.0) | 0.007472                 | (0.0054038, 0.0099797) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Selatan | Diabetes mellitus                             | 40  | 2,372.0       | (1,830.8, 3,169.8)   | 0.009194                 | (0.0070958, 0.0122857) | 2,208.7       | (1,644.4, 2,897.5) | 0.008786                 | (0.0065408, 0.0115251) |
| Sumatera Selatan | Chronic kidney disease                        | 40  | 1,537.1       | (1,122.5, 2,089.6)   | 0.005958                 | (0.0043505, 0.0080990) | 1,024.0       | (724.8, 1,378.3)   | 0.004073                 | (0.0028830, 0.0054824) |
| Sumatera Selatan | Cirrhosis                                     | 40  | 2,622.0       | (1,936.8, 3,534.0)   | 0.010163                 | (0.0075069, 0.0136974) | 1,012.0       | (712.3, 1,386.8)   | 0.004025                 | (0.0028331, 0.0055162) |
| Sumatera Selatan | Chronic respiratory diseases                  | 40  | 1,654.9       | (1,241.4, 2,257.0)   | 0.006414                 | (0.0048115, 0.0087478) | 807.6         | (576.0, 1,094.4)   | 0.003212                 | (0.0022913, 0.0043531) |
| Sumatera Selatan | Other non-communicable diseases               | 40  | 2,992.4       | (2,409.1, 3,842.2)   | 0.011598                 | (0.0093376, 0.0148920) | 2,092.4       | (1,579.1, 2,709.6) | 0.008323                 | (0.0062810, 0.0107776) |
| Sumatera Selatan | Drowning                                      | 40  | 466.0         | (235.7, 802.5)       | 0.001806                 | (0.0009137, 0.0031103) | 148.3         | (69.4, 279.3)      | 0.000590                 | (0.0002761, 0.0011111) |
| Sumatera Selatan | Falls                                         | 40  | 333.0         | (179.5, 560.2)       | 0.001291                 | (0.0006957, 0.0021712) | 128.7         | (67.0, 219.7)      | 0.000512                 | (0.0002664, 0.0008740) |
| Sumatera Selatan | Interpersonal violence                        | 40  | 198.4         | (119.6, 307.8)       | 0.000769                 | (0.0004637, 0.0011932) | 93.4          | (51.0, 151.0)      | 0.000372                 | (0.0002028, 0.0006005) |
| Sumatera Selatan | Self-harm                                     | 40  | 285.4         | (174.9, 431.8)       | 0.001106                 | (0.0006779, 0.0016734) | 108.0         | (62.3, 173.7)      | 0.000430                 | (0.0002478, 0.0006909) |
| Sumatera Selatan | Transport injuries                            | 40  | 3,327.0       | (2,494.7, 4,447.2)   | 0.012895                 | (0.0096691, 0.0172370) | 900.7         | (637.3, 1,255.4)   | 0.003583                 | (0.0025349, 0.0049935) |
| Sumatera Selatan | Other unintentional injuries                  | 40  | 1,331.3       | (927.6, 1,873.1)     | 0.005160                 | (0.0035954, 0.0072600) | 413.0         | (269.8, 598.7)     | 0.001643                 | (0.0010731, 0.0023812) |
| Sumatera Selatan | Diarrheal diseases                            | 45  | 606.0         | (403.5, 872.7)       | 0.002783                 | (0.0018526, 0.0040074) | 684.2         | (467.5, 966.9)     | 0.003174                 | (0.0021691, 0.0044859) |
| Sumatera Selatan | HIV/AIDS                                      | 45  | 63.8          | (23.6, 133.2)        | 0.000293                 | (0.0001083, 0.0006117) | 51.5          | (19.8, 110.9)      | 0.000239                 | (0.0000919, 0.0005143) |
| Sumatera Selatan | Lower respiratory infections                  | 45  | 398.9         | (267.3, 589.6)       | 0.001832                 | (0.0012276, 0.0027076) | 301.3         | (199.1, 440.0)     | 0.001398                 | (0.0009235, 0.0020414) |
| Sumatera Selatan | Malaria                                       | 45  | 137.4         | (57.0, 273.5)        | 0.000631                 | (0.0002619, 0.0012557) | 83.9          | (33.6, 167.4)      | 0.000389                 | (0.0001557, 0.0007766) |
| Sumatera Selatan | Tuberculosis                                  | 45  | 4,089.8       | (3,189.2, 5,600.7)   | 0.018780                 | (0.0146444, 0.0257178) | 2,229.3       | (1,692.8, 2,887.1) | 0.010343                 | (0.0078536, 0.0133945) |
| Sumatera Selatan | Maternal disorders                            | 45  |               |                      |                          |                        | 69.3          | (32.7, 125.5)      | 0.000322                 | (0.0001517, 0.0005821) |
| Sumatera Selatan | Other communicable diseases                   | 45  | 1,129.8       | (812.7, 1,570.3)     | 0.005188                 | (0.0037320, 0.0072105) | 949.7         | (658.4, 1,302.9)   | 0.004406                 | (0.0030546, 0.0060449) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 45  | 591.2         | (341.1, 974.9)       | 0.002715                 | (0.0015662, 0.0044766) | 200.0         | (113.2, 336.6)     | 0.000928                 | (0.0005252, 0.0015616) |
| Sumatera Selatan | Breast cancer                                 | 45  | 41.5          | (16.2, 91.6)         | 0.000191                 | (0.0000742, 0.0004207) | 2,318.2       | (1,653.9, 3,168.3) | 0.010755                 | (0.0076732, 0.0146990) |
| Sumatera Selatan | Cervical cancer                               | 45  |               |                      |                          |                        | 1,200.1       | (717.2, 1,813.8)   | 0.005568                 | (0.0033276, 0.0084149) |
| Sumatera Selatan | Other malignant neoplasms                     | 45  | 3,011.2       | (2,317.9, 3,921.5)   | 0.013827                 | (0.0106436, 0.0180069) | 1,474.9       | (1,031.6, 2,005.2) | 0.006843                 | (0.0047861, 0.0093031) |
| Sumatera Selatan | Cerebrovascular disease                       | 45  | 6,947.4       | (5,618.5, 9,170.4)   | 0.031901                 | (0.0257994, 0.0421092) | 5,731.2       | (4,522.4, 7,209.3) | 0.026590                 | (0.0209816, 0.0334472) |
| Sumatera Selatan | Ischemic heart disease                        | 45  | 11,854.0      | (9,547.9, 15,282.8)  | 0.054432                 | (0.0438427, 0.0701765) | 6,121.1       | (4,799.4, 7,609.8) | 0.028399                 | (0.0222664, 0.0353054) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 45  | 2,726.9       | (2,113.3, 3,589.1)   | 0.012521                 | (0.0097042, 0.0164806) | 2,507.1       | (1,857.4, 3,245.1) | 0.011631                 | (0.0086175, 0.0150556) |
| Sumatera Selatan | Diabetes mellitus                             | 45  | 3,525.3       | (2,724.3, 4,649.3)   | 0.016188                 | (0.0125095, 0.0213490) | 3,745.5       | (2,881.8, 4,816.7) | 0.017377                 | (0.0133699, 0.0223467) |
| Sumatera Selatan | Chronic kidney disease                        | 45  | 1,537.3       | (1,115.5, 2,114.1)   | 0.007059                 | (0.0051224, 0.0097075) | 1,161.3       | (816.4, 1,546.2)   | 0.005388                 | (0.0037876, 0.0071735) |
| Sumatera Selatan | Cirrhosis                                     | 45  | 2,486.9       | (1,803.5, 3,380.5)   | 0.011420                 | (0.0082816, 0.0155226) | 1,152.9       | (827.1, 1,594.2)   | 0.005349                 | (0.0038375, 0.0073963) |
| Sumatera Selatan | Chronic respiratory diseases                  | 45  | 1,965.8       | (1,483.8, 2,690.1)   | 0.009027                 | (0.0068133, 0.0123528) | 1,109.8       | (806.6, 1,481.0)   | 0.005149                 | (0.0037422, 0.0068710) |
| Sumatera Selatan | Other non-communicable diseases               | 45  | 2,716.9       | (2,140.5, 3,528.9)   | 0.012476                 | (0.0098287, 0.0162040) | 2,228.7       | (1,695.7, 2,878.0) | 0.010340                 | (0.0078672, 0.0133523) |
| Sumatera Selatan | Drowning                                      | 45  | 286.1         | (144.0, 499.9)       | 0.001314                 | (0.0006612, 0.0022956) | 124.0         | (60.6, 220.1)      | 0.000575                 | (0.0002814, 0.0010210) |
| Sumatera Selatan | Falls                                         | 45  | 339.6         | (180.1, 564.0)       | 0.001559                 | (0.0008268, 0.0025897) | 171.0         | (87.8, 282.8)      | 0.000794                 | (0.0004076, 0.0013122) |
| Sumatera Selatan | Interpersonal violence                        | 45  | 158.9         | (96.6, 241.7)        | 0.000730                 | (0.0004435, 0.0011100) | 85.0          | (47.1, 138.4)      | 0.000394                 | (0.0002183, 0.0006423) |
| Sumatera Selatan | Self-harm                                     | 45  | 260.7         | (154.6, 389.8)       | 0.001197                 | (0.0007097, 0.0017898) | 109.8         | (62.6, 178.4)      | 0.000509                 | (0.0002904, 0.0008276) |
| Sumatera Selatan | Transport injuries                            | 45  | 3,091.1       | (2,273.9, 4,123.5)   | 0.014194                 | (0.0104414, 0.0189347) | 1,040.5       | (747.6, 1,396.2)   | 0.004828                 | (0.0034687, 0.0064774) |
| Sumatera Selatan | Other unintentional injuries                  | 45  | 1,156.0       | (779.8, 1,681.6)     | 0.005308                 | (0.0035806, 0.0077216) | 432.2         | (283.3, 635.0)     | 0.002005                 | (0.0013145, 0.0029459) |
| Sumatera Selatan | Diarrheal diseases                            | 50  | 803.6         | (529.4, 1,159.4)     | 0.004320                 | (0.0028462, 0.0062328) | 805.5         | (574.6, 1,106.7)   | 0.004694                 | (0.0033484, 0.0064488) |
| Sumatera Selatan | HIV/AIDS                                      | 50  | 27.1          | (9.3, 61.4)          | 0.000146                 | (0.0000501, 0.0003301) | 20.2          | (7.0, 45.9)        | 0.000118                 | (0.0000407, 0.0002676) |
| Sumatera Selatan | Lower respiratory infections                  | 50  | 511.0         | (337.0, 742.2)       | 0.002747                 | (0.0018118, 0.0039900) | 359.6         | (242.3, 520.2)     | 0.002095                 | (0.0014121, 0.0030314) |
| Sumatera Selatan | Malaria                                       | 50  | 136.2         | (55.5, 272.2)        | 0.000732                 | (0.0002985, 0.0014630) | 74.1          | (28.7, 149.8)      | 0.000432                 | (0.0001670, 0.0008727) |
| Sumatera Selatan | Tuberculosis                                  | 50  | 4,362.8       | (3,316.2, 5,826.6)   | 0.023453                 | (0.0178273, 0.0313223) | 2,222.6       | (1,728.2, 2,890.3) | 0.012952                 | (0.0100705, 0.0168430) |
| Sumatera Selatan | Maternal disorders                            | 50  |               |                      |                          |                        | 25.4          | (8.0, 62.1)        | 0.000148                 | (0.0000465, 0.0003619) |
| Sumatera Selatan | Other communicable diseases                   | 50  | 1,144.5       | (798.6, 1,580.1)     | 0.006153                 | (0.0042928, 0.0084942) | 854.5         | (604.3, 1,192.8)   | 0.004979                 | (0.0035212, 0.0069510) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 50  | 799.6         | (449.4, 1,352.0)     | 0.004298                 | (0.0024158, 0.0072680) | 197.0         | (104.0, 337.1)     | 0.001148                 | (0.0006061, 0.0019646) |
| Sumatera Selatan | Breast cancer                                 | 50  | 40.4          | (17.4, 81.2)         | 0.000217                 | (0.0000935, 0.0004367) | 1,854.6       | (1,321.7, 2,577.2) | 0.010807                 | (0.0077021, 0.0150181) |
| Sumatera Selatan | Cervical cancer                               | 50  |               |                      |                          |                        | 980.0         | (581.0, 1,517.3)   | 0.005711                 | (0.0033859, 0.0088418) |
| Sumatera Selatan | Other malignant neoplasms                     | 50  | 2,829.8       | (2,106.6, 3,690.5)   | 0.015212                 | (0.0113245, 0.0198393) | 1,377.1       | (965.3, 1,886.8)   | 0.008025                 | (0.0056250, 0.0109952) |
| Sumatera Selatan | Cerebrovascular disease                       | 50  | 9,354.1       | (7,358.0, 12,120.0)  | 0.050285                 | (0.0395548, 0.0651540) | 7,050.1       | (5,620.6, 8,879.8) | 0.041083                 | (0.0327529, 0.0517455) |
| Sumatera Selatan | Ischemic heart disease                        | 50  | 13,781.4      | (10,793.5, 17,804.4) | 0.074085                 | (0.0580231, 0.0957123) | 6,690.6       | (5,335.2, 8,448.5) | 0.038989                 | (0.0310902, 0.0492323) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 50  | 3,637.7       | (2,720.9, 4,827.8)   | 0.019556                 | (0.0146269, 0.0259529) | 3,019.3       | (2,321.5, 3,925.3) | 0.017594                 | (0.0135285, 0.0228744) |
| Sumatera Selatan | Diabetes mellitus                             | 50  | 4,723.0       | (3,535.4, 6,140.8)   | 0.025390                 | (0.0190055, 0.0330114) | 4,607.6       | (3,570.1, 5,924.9) | 0.026850                 | (0.0208040, 0.0345267) |
| Sumatera Selatan | Chronic kidney disease                        | 50  | 1,621.3       | (1,139.0, 2,207.1)   | 0.008716                 | (0.0061232, 0.0118648) | 1,132.7       | (803.9, 1,517.9)   | 0.006600                 | (0.0046846, 0.0088455) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sumatera Selatan | Cirrhosis                                     | 50  | 2,637.6       | (1,871.8, 3,568.9)   | 0.014179                 | (0.0100621, 0.0191855) | 1,127.3       | (806.9, 1,548.5)   | 0.006569                 | (0.0047020, 0.0090236) |
| Sumatera Selatan | Chronic respiratory diseases                  | 50  | 2,686.4       | (1,996.5, 3,599.0)   | 0.014442                 | (0.0107328, 0.0193473) | 1,386.4       | (1,014.3, 1,844.8) | 0.008079                 | (0.0059109, 0.0107503) |
| Sumatera Selatan | Other non-communicable diseases               | 50  | 2,892.4       | (2,208.6, 3,795.9)   | 0.015549                 | (0.0118728, 0.0204056) | 2,164.6       | (1,661.0, 2,798.0) | 0.012614                 | (0.0096790, 0.0163049) |
| Sumatera Selatan | Drowning                                      | 50  | 214.5         | (99.7, 383.9)        | 0.001153                 | (0.0005360, 0.0020638) | 83.8          | (36.8, 158.3)      | 0.000488                 | (0.0002145, 0.0009225) |
| Sumatera Selatan | Falls                                         | 50  | 394.0         | (206.8, 650.3)       | 0.002118                 | (0.0011119, 0.0034959) | 178.4         | (94.8, 285.0)      | 0.001039                 | (0.0005522, 0.0016610) |
| Sumatera Selatan | Interpersonal violence                        | 50  | 125.4         | (71.4, 201.7)        | 0.000674                 | (0.0003837, 0.0010842) | 60.6          | (32.9, 101.0)      | 0.000353                 | (0.0001917, 0.0005887) |
| Sumatera Selatan | Self-harm                                     | 50  | 228.2         | (134.7, 353.1)       | 0.001227                 | (0.0007239, 0.0018982) | 86.7          | (48.9, 141.1)      | 0.000505                 | (0.0002849, 0.0008221) |
| Sumatera Selatan | Transport injuries                            | 50  | 2,487.7       | (1,752.2, 3,413.9)   | 0.013373                 | (0.0094194, 0.0183520) | 745.6         | (536.3, 1,020.1)   | 0.004345                 | (0.0031250, 0.0059445) |
| Sumatera Selatan | Other unintentional injuries                  | 50  | 962.8         | (618.1, 1,418.2)     | 0.005176                 | (0.0033228, 0.0076238) | 322.8         | (210.9, 463.1)     | 0.001881                 | (0.0012291, 0.0026987) |
| Sumatera Selatan | Diarrheal diseases                            | 55  | 725.6         | (488.9, 1,028.1)     | 0.005580                 | (0.0037594, 0.0079060) | 730.1         | (509.8, 980.0)     | 0.006412                 | (0.0044767, 0.0086064) |
| Sumatera Selatan | HIV/AIDS                                      | 55  | 9.7           | (2.8, 22.7)          | 0.000074                 | (0.0000217, 0.0001744) | 7.1           | (2.2, 16.5)        | 0.000062                 | (0.0000190, 0.0001446) |
| Sumatera Selatan | Lower respiratory infections                  | 55  | 445.9         | (290.5, 627.6)       | 0.003429                 | (0.0022340, 0.0048265) | 319.0         | (212.5, 452.3)     | 0.002802                 | (0.0018660, 0.0039722) |
| Sumatera Selatan | Malaria                                       | 55  | 116.6         | (45.3, 222.5)        | 0.000896                 | (0.0003487, 0.0017107) | 59.1          | (22.9, 120.0)      | 0.000519                 | (0.0002015, 0.0010537) |
| Sumatera Selatan | Tuberculosis                                  | 55  | 3,404.2       | (2,525.4, 4,521.0)   | 0.026178                 | (0.0194196, 0.0347659) | 1,623.3       | (1,243.0, 2,118.8) | 0.014256                 | (0.0109164, 0.0186080) |
| Sumatera Selatan | Other communicable diseases                   | 55  | 894.5         | (610.4, 1,245.1)     | 0.006878                 | (0.0046940, 0.0095743) | 684.5         | (479.4, 948.9)     | 0.006012                 | (0.0042101, 0.0083337) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 55  | 649.5         | (367.7, 1,065.6)     | 0.004995                 | (0.0028279, 0.0081942) | 138.5         | (74.5, 230.9)      | 0.001217                 | (0.0006544, 0.0020280) |
| Sumatera Selatan | Breast cancer                                 | 55  | 32.0          | (14.9, 57.5)         | 0.000246                 | (0.0001143, 0.0004423) | 1,198.9       | (846.0, 1,661.4)   | 0.010529                 | (0.0074297, 0.0145910) |
| Sumatera Selatan | Cervical cancer                               | 55  |               |                      |                          |                        | 576.8         | (327.7, 916.0)     | 0.005066                 | (0.0028780, 0.0080440) |
| Sumatera Selatan | Other malignant neoplasms                     | 55  | 1,920.9       | (1,391.9, 2,511.7)   | 0.014771                 | (0.0107037, 0.0193147) | 1,045.5       | (734.9, 1,422.3)   | 0.009181                 | (0.0064541, 0.0124906) |
| Sumatera Selatan | Cerebrovascular disease                       | 55  | 9,419.9       | (7,278.2, 12,143.8)  | 0.072437                 | (0.0559685, 0.0933842) | 7,001.9       | (5,609.2, 8,754.7) | 0.061491                 | (0.0492604, 0.0768849) |
| Sumatera Selatan | Ischemic heart disease                        | 55  | 13,405.6      | (10,358.6, 17,219.6) | 0.103087                 | (0.0796564, 0.1324162) | 6,327.4       | (5,054.7, 7,917.3) | 0.055568                 | (0.0443911, 0.0695305) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 55  | 3,577.9       | (2,662.5, 4,689.4)   | 0.027514                 | (0.0204740, 0.0360610) | 2,876.8       | (2,220.1, 3,722.1) | 0.025264                 | (0.0194976, 0.0326880) |
| Sumatera Selatan | Diabetes mellitus                             | 55  | 4,436.7       | (3,288.5, 5,788.2)   | 0.034118                 | (0.0252879, 0.0445104) | 4,174.4       | (3,248.1, 5,321.2) | 0.036660                 | (0.0285249, 0.0467317) |
| Sumatera Selatan | Chronic kidney disease                        | 55  | 1,398.0       | (966.4, 1,908.8)     | 0.010750                 | (0.0074314, 0.0146786) | 927.9         | (669.6, 1,244.3)   | 0.008149                 | (0.0058808, 0.0109279) |
| Sumatera Selatan | Cirrhosis                                     | 55  | 2,055.7       | (1,424.0, 2,781.3)   | 0.015808                 | (0.0109505, 0.0213879) | 879.4         | (627.5, 1,191.2)   | 0.007723                 | (0.0055104, 0.0104613) |
| Sumatera Selatan | Chronic respiratory diseases                  | 55  | 2,583.1       | (1,890.4, 3,422.4)   | 0.019864                 | (0.0145370, 0.0263175) | 1,286.8       | (969.4, 1,681.6)   | 0.011301                 | (0.0085135, 0.0147683) |
| Sumatera Selatan | Other non-communicable diseases               | 55  | 2,599.4       | (1,954.1, 3,421.3)   | 0.019989                 | (0.0150264, 0.0263094) | 1,909.3       | (1,481.3, 2,447.6) | 0.016768                 | (0.0130092, 0.0214951) |
| Sumatera Selatan | Drowning                                      | 55  | 129.5         | (58.0, 254.9)        | 0.000996                 | (0.0004460, 0.0019605) | 54.9          | (23.1, 108.5)      | 0.000482                 | (0.0002033, 0.0009530) |
| Sumatera Selatan | Falls                                         | 55  | 356.6         | (191.8, 580.1)       | 0.002742                 | (0.0014751, 0.0044611) | 168.3         | (91.6, 266.0)      | 0.001478                 | (0.0008044, 0.0023364) |
| Sumatera Selatan | Interpersonal violence                        | 55  | 88.1          | (47.2, 143.4)        | 0.000677                 | (0.0003626, 0.0011025) | 38.8          | (20.3, 65.9)       | 0.000341                 | (0.0001785, 0.0005784) |
| Sumatera Selatan | Self-harm                                     | 55  | 184.4         | (106.5, 280.0)       | 0.001418                 | (0.0008186, 0.0021528) | 62.9          | (34.7, 100.4)      | 0.000552                 | (0.0003047, 0.0008819) |
| Sumatera Selatan | Transport injuries                            | 55  | 1,432.5       | (984.4, 2,034.3)     | 0.011016                 | (0.0075699, 0.0156432) | 427.5         | (295.2, 597.7)     | 0.003755                 | (0.0025926, 0.0052492) |
| Sumatera Selatan | Other unintentional injuries                  | 55  | 684.9         | (432.5, 1,007.6)     | 0.005267                 | (0.0033256, 0.0077483) | 222.4         | (142.6, 331.9)     | 0.001954                 | (0.0012522, 0.0029149) |
| Sumatera Selatan | Diarrheal diseases                            | 60  | 700.0         | (463.6, 1,005.8)     | 0.008341                 | (0.0055241, 0.0119859) | 792.4         | (570.0, 1,047.9)   | 0.009110                 | (0.0065537, 0.0120484) |
| Sumatera Selatan | HIV/AIDS                                      | 60  | 5.9           | (1.6, 14.1)          | 0.000070                 | (0.0000185, 0.0001677) | 4.9           | (1.4, 11.9)        | 0.000056                 | (0.0000161, 0.0001373) |
| Sumatera Selatan | Lower respiratory infections                  | 60  | 517.8         | (336.6, 748.6)       | 0.006171                 | (0.0040109, 0.0089209) | 445.5         | (302.7, 622.5)     | 0.005122                 | (0.0034799, 0.0071575) |
| Sumatera Selatan | Malaria                                       | 60  | 108.5         | (43.6, 214.5)        | 0.001293                 | (0.0005192, 0.0025555) | 58.8          | (22.6, 119.4)      | 0.000676                 | (0.0002594, 0.0013731) |
| Sumatera Selatan | Tuberculosis                                  | 60  | 3,534.7       | (2,599.1, 4,554.9)   | 0.042120                 | (0.0309721, 0.0542780) | 1,931.8       | (1,511.5, 2,446.1) | 0.022211                 | (0.0173779, 0.0281241) |
| Sumatera Selatan | Other communicable diseases                   | 60  | 610.3         | (403.3, 866.4)       | 0.007273                 | (0.0048063, 0.0103247) | 535.3         | (366.5, 742.1)     | 0.006155                 | (0.0042134, 0.0085328) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 60  | 605.5         | (340.3, 989.7)       | 0.007215                 | (0.0040553, 0.0117938) | 124.8         | (70.4, 212.7)      | 0.001435                 | (0.0008094, 0.0024451) |
| Sumatera Selatan | Breast cancer                                 | 60  | 26.3          | (11.6, 50.2)         | 0.000314                 | (0.0001387, 0.0005977) | 869.5         | (603.0, 1,193.0)   | 0.009998                 | (0.0069335, 0.0137166) |
| Sumatera Selatan | Cervical cancer                               | 60  |               |                      |                          |                        | 439.6         | (246.9, 694.2)     | 0.005055                 | (0.0028382, 0.0079812) |
| Sumatera Selatan | Other malignant neoplasms                     | 60  | 1,600.7       | (1,138.1, 2,115.7)   | 0.019075                 | (0.0135615, 0.0252118) | 1,053.0       | (760.5, 1,399.1)   | 0.012107                 | (0.0087442, 0.0160867) |
| Sumatera Selatan | Cerebrovascular disease                       | 60  | 9,195.3       | (6,983.7, 11,630.7)  | 0.109574                 | (0.0832199, 0.1385943) | 7,733.0       | (6,310.3, 9,393.9) | 0.088910                 | (0.0725522, 0.1080057) |
| Sumatera Selatan | Ischemic heart disease                        | 60  | 11,901.8      | (8,997.9, 14,964.9)  | 0.141826                 | (0.1072212, 0.1783257) | 6,548.0       | (5,267.2, 7,916.4) | 0.075286                 | (0.0605594, 0.0910181) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 60  | 3,572.3       | (2,629.9, 4,672.9)   | 0.042568                 | (0.0313386, 0.0556834) | 3,105.4       | (2,422.8, 3,895.9) | 0.035704                 | (0.0278557, 0.0447925) |
| Sumatera Selatan | Diabetes mellitus                             | 60  | 3,568.7       | (2,601.4, 4,706.6)   | 0.042526                 | (0.0309996, 0.0560854) | 3,765.4       | (2,947.4, 4,642.6) | 0.043293                 | (0.0338873, 0.0533780) |
| Sumatera Selatan | Chronic kidney disease                        | 60  | 1,168.6       | (808.3, 1,623.2)     | 0.013925                 | (0.0096319, 0.0193427) | 853.6         | (626.0, 1,113.6)   | 0.009815                 | (0.0071976, 0.0128039) |
| Sumatera Selatan | Cirrhosis                                     | 60  | 1,556.1       | (1,033.7, 2,128.9)   | 0.018544                 | (0.0123181, 0.0253692) | 762.0         | (553.9, 1,006.5)   | 0.008761                 | (0.0063685, 0.0115721) |
| Sumatera Selatan | Chronic respiratory diseases                  | 60  | 3,312.3       | (2,423.8, 4,339.8)   | 0.039471                 | (0.0288825, 0.0517144) | 1,769.6       | (1,355.4, 2,224.9) | 0.020346                 | (0.0155831, 0.0255806) |
| Sumatera Selatan | Other non-communicable diseases               | 60  | 2,626.8       | (1,915.0, 3,428.3)   | 0.031302                 | (0.0228200, 0.0408526) | 2,137.6       | (1,690.1, 2,673.9) | 0.024577                 | (0.0194321, 0.0307429) |
| Sumatera Selatan | Drowning                                      | 60  | 79.3          | (31.1, 162.4)        | 0.000945                 | (0.0003709, 0.0019353) | 41.7          | (16.0, 84.7)       | 0.000479                 | (0.0001836, 0.0009737) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                        |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|------------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sumatera Selatan | Falls                                         | 60  | 250.2 (131.6, 411.9)         | 0.002981 (0.0015687, 0.0049086) | 141.2 (77.8, 219.5)        | 0.001624 (0.0008944, 0.0025239) |
| Sumatera Selatan | Interpersonal violence                        | 60  | 54.4 (27.5, 95.4)            | 0.000648 (0.0003274, 0.0011366) | 26.1 (13.7, 46.6)          | 0.000300 (0.0001580, 0.0005358) |
| Sumatera Selatan | Self-harm                                     | 60  | 131.0 (75.9, 207.7)          | 0.001561 (0.0009049, 0.0024745) | 47.8 (27.8, 76.9)          | 0.000549 (0.0003196, 0.0008841) |
| Sumatera Selatan | Transport injuries                            | 60  | 1,017.0 (685.0, 1,437.5)     | 0.012119 (0.0081629, 0.0171299) | 353.6 (247.1, 493.3)       | 0.004065 (0.0028416, 0.0056712) |
| Sumatera Selatan | Other unintentional injuries                  | 60  | 480.7 (293.3, 738.6)         | 0.005728 (0.0034947, 0.0088011) | 177.0 (112.5, 259.8)       | 0.002036 (0.0012939, 0.0029867) |
| Sumatera Selatan | Diarrheal diseases                            | 65  | 948.0 (646.5, 1,336.2)       | 0.015267 (0.0104109, 0.0215180) | 1,142.7 (856.2, 1,454.2)   | 0.017377 (0.0130201, 0.0221129) |
| Sumatera Selatan | HIV/AIDS                                      | 65  | 4.9 (1.4, 11.3)              | 0.000078 (0.0000219, 0.0001817) | 4.3 (1.3, 9.9)             | 0.000065 (0.0000198, 0.0001509) |
| Sumatera Selatan | Lower respiratory infections                  | 65  | 520.2 (334.5, 768.8)         | 0.008377 (0.0053863, 0.0123814) | 497.8 (339.2, 692.5)       | 0.007571 (0.0051581, 0.0105308) |
| Sumatera Selatan | Malaria                                       | 65  | 91.8 (36.9, 180.3)           | 0.001478 (0.0005936, 0.0029029) | 48.5 (19.1, 98.9)          | 0.000737 (0.0002900, 0.0015047) |
| Sumatera Selatan | Tuberculosis                                  | 65  | 3,201.6 (2,332.6, 4,208.6)   | 0.051558 (0.0375632, 0.0677754) | 1,773.9 (1,367.2, 2,244.2) | 0.026975 (0.0207903, 0.0341264) |
| Sumatera Selatan | Other communicable diseases                   | 65  | 484.1 (305.1, 711.2)         | 0.007796 (0.0049139, 0.0114525) | 465.8 (320.4, 651.8)       | 0.007083 (0.0048728, 0.0099119) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 65  | 412.9 (227.9, 702.1)         | 0.006649 (0.0036700, 0.0113064) | 87.9 (50.5, 145.7)         | 0.001337 (0.0007680, 0.0022154) |
| Sumatera Selatan | Breast cancer                                 | 65  | 18.7 (7.0, 37.3)             | 0.000302 (0.0001134, 0.0006001) | 540.6 (370.2, 759.9)       | 0.008220 (0.0056295, 0.0115561) |
| Sumatera Selatan | Cervical cancer                               | 65  |                              |                                 | 281.1 (152.8, 451.7)       | 0.004275 (0.0023233, 0.0068686) |
| Sumatera Selatan | Other malignant neoplasms                     | 65  | 1,108.6 (774.5, 1,490.6)     | 0.017853 (0.0124729, 0.0240037) | 913.4 (661.6, 1,191.4)     | 0.013890 (0.0100605, 0.0181172) |
| Sumatera Selatan | Cerebrovascular disease                       | 65  | 8,445.2 (6,288.0, 10,911.0)  | 0.136000 (0.1012606, 0.1757091) | 7,805.8 (6,282.9, 9,448.4) | 0.118700 (0.0955424, 0.1436790) |
| Sumatera Selatan | Ischemic heart disease                        | 65  | 10,200.7 (7,575.5, 13,136.3) | 0.164271 (0.1219944, 0.2115443) | 6,036.0 (4,787.6, 7,383.0) | 0.091788 (0.0728042, 0.1122705) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 65  | 3,477.5 (2,526.1, 4,638.6)   | 0.056002 (0.0406794, 0.0746997) | 3,223.4 (2,495.1, 3,984.5) | 0.049018 (0.0379423, 0.0605907) |
| Sumatera Selatan | Diabetes mellitus                             | 65  | 2,526.2 (1,784.3, 3,395.5)   | 0.040682 (0.0287344, 0.0546809) | 2,885.4 (2,213.4, 3,575.3) | 0.043877 (0.0336587, 0.0543690) |
| Sumatera Selatan | Chronic kidney disease                        | 65  | 964.9 (653.6, 1,383.4)       | 0.015538 (0.0105256, 0.0222777) | 741.1 (524.7, 969.7)       | 0.011270 (0.0079796, 0.0147453) |
| Sumatera Selatan | Cirrhosis                                     | 65  | 1,066.2 (696.0, 1,504.0)     | 0.017171 (0.0112079, 0.0242207) | 586.0 (425.6, 792.1)       | 0.008912 (0.0064715, 0.0120451) |
| Sumatera Selatan | Chronic respiratory diseases                  | 65  | 3,284.9 (2,370.1, 4,336.6)   | 0.052900 (0.0381669, 0.0698358) | 1,857.0 (1,419.0, 2,345.6) | 0.028240 (0.0215783, 0.0356688) |
| Sumatera Selatan | Other non-communicable diseases               | 65  | 2,603.6 (1,889.7, 3,416.6)   | 0.041929 (0.0304312, 0.0550207) | 2,299.1 (1,806.8, 2,850.3) | 0.034961 (0.0274752, 0.0433432) |
| Sumatera Selatan | Drowning                                      | 65  | 54.8 (20.1, 114.1)           | 0.000883 (0.0003231, 0.0018375) | 36.1 (13.7, 76.2)          | 0.000549 (0.0002085, 0.0011591) |
| Sumatera Selatan | Falls                                         | 65  | 222.5 (111.8, 377.5)         | 0.003584 (0.0018009, 0.0060786) | 149.5 (83.0, 234.7)        | 0.002274 (0.0012614, 0.0035694) |
| Sumatera Selatan | Interpersonal violence                        | 65  | 36.7 (17.1, 70.4)            | 0.000591 (0.0002758, 0.0011343) | 17.9 (8.7, 33.4)           | 0.000273 (0.0001320, 0.0005075) |
| Sumatera Selatan | Self-harm                                     | 65  | 101.4 (55.9, 171.3)          | 0.001634 (0.0009008, 0.0027585) | 36.7 (20.6, 60.1)          | 0.000559 (0.0003134, 0.0009143) |
| Sumatera Selatan | Transport injuries                            | 65  | 722.5 (464.1, 1,055.7)       | 0.011634 (0.0074739, 0.0170007) | 286.2 (191.5, 409.2)       | 0.004352 (0.0029128, 0.0062228) |
| Sumatera Selatan | Other unintentional injuries                  | 65  | 376.7 (222.1, 572.5)         | 0.006067 (0.0035767, 0.0092199) | 151.6 (93.5, 219.5)        | 0.002305 (0.0014225, 0.0033382) |
| Sumatera Selatan | Diarrheal diseases                            | 70  | 1,215.8 (841.4, 1,659.0)     | 0.027284 (0.0188826, 0.0372320) | 1,475.1 (1,119.2, 1,826.4) | 0.029704 (0.0225365, 0.0367785) |
| Sumatera Selatan | HIV/AIDS                                      | 70  | 6.0 (1.6, 14.2)              | 0.000134 (0.0000370, 0.0003192) | 5.4 (1.6, 12.8)            | 0.000109 (0.0000322, 0.0002575) |
| Sumatera Selatan | Lower respiratory infections                  | 70  | 621.7 (394.8, 914.3)         | 0.013953 (0.0088605, 0.0205181) | 635.7 (442.1, 855.8)       | 0.012801 (0.0089030, 0.0172329) |
| Sumatera Selatan | Malaria                                       | 70  | 74.7 (29.8, 145.4)           | 0.001676 (0.0006680, 0.0032621) | 39.6 (15.7, 79.6)          | 0.000798 (0.0003164, 0.0016029) |
| Sumatera Selatan | Tuberculosis                                  | 70  | 2,975.9 (2,131.0, 3,928.4)   | 0.066785 (0.0478250, 0.0881610) | 1,769.6 (1,360.5, 2,216.1) | 0.035635 (0.0273954, 0.0446253) |
| Sumatera Selatan | Other communicable diseases                   | 70  | 464.9 (299.7, 685.5)         | 0.010432 (0.0067256, 0.0153836) | 451.8 (312.4, 619.9)       | 0.009098 (0.0062898, 0.0124828) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 70  | 315.9 (172.7, 539.7)         | 0.007089 (0.0038762, 0.0121119) | 71.9 (40.6, 120.8)         | 0.001448 (0.0008167, 0.0024328) |
| Sumatera Selatan | Breast cancer                                 | 70  | 11.5 (3.8, 24.7)             | 0.000259 (0.0000857, 0.0005546) | 314.8 (209.5, 441.1)       | 0.006340 (0.0042195, 0.0088828) |
| Sumatera Selatan | Cervical cancer                               | 70  |                              |                                 | 156.5 (84.5, 255.0)        | 0.003151 (0.0017023, 0.0051358) |
| Sumatera Selatan | Other malignant neoplasms                     | 70  | 763.6 (524.3, 1,044.9)       | 0.017137 (0.0117657, 0.0234497) | 713.7 (528.7, 924.8)       | 0.014372 (0.0106466, 0.0186222) |
| Sumatera Selatan | Cerebrovascular disease                       | 70  | 7,787.8 (5,783.9, 10,085.6)  | 0.174774 (0.1298032, 0.2263409) | 7,934.3 (6,307.2, 9,320.9) | 0.159772 (0.1270067, 0.1876929) |
| Sumatera Selatan | Ischemic heart disease                        | 70  | 8,765.5 (6,439.4, 11,275.8)  | 0.196716 (0.1445139, 0.2530518) | 5,989.8 (4,806.7, 7,024.2) | 0.120615 (0.0967911, 0.1414456) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 70  | 3,416.2 (2,468.0, 4,539.7)   | 0.076666 (0.0553878, 0.1018810) | 3,380.9 (2,668.5, 4,070.7) | 0.068081 (0.0537349, 0.0819710) |
| Sumatera Selatan | Diabetes mellitus                             | 70  | 1,677.2 (1,169.6, 2,269.6)   | 0.037641 (0.0262471, 0.0509347) | 2,132.0 (1,667.2, 2,624.3) | 0.042932 (0.0335723, 0.0528448) |
| Sumatera Selatan | Chronic kidney disease                        | 70  | 745.3 (492.2, 1,087.5)       | 0.016727 (0.0110462, 0.0244063) | 631.0 (453.7, 805.7)       | 0.012707 (0.0091359, 0.0162245) |
| Sumatera Selatan | Cirrhosis                                     | 70  | 806.4 (522.3, 1,146.8)       | 0.018097 (0.0117215, 0.0257374) | 489.8 (354.6, 650.4)       | 0.009863 (0.0071403, 0.0130960) |
| Sumatera Selatan | Chronic respiratory diseases                  | 70  | 3,678.1 (2,655.1, 4,823.8)   | 0.082544 (0.0595853, 0.1082561) | 2,192.9 (1,719.8, 2,658.4) | 0.044158 (0.0346313, 0.0535308) |
| Sumatera Selatan | Other non-communicable diseases               | 70  | 2,592.0 (1,863.2, 3,406.2)   | 0.058169 (0.0418149, 0.0764414) | 2,487.2 (1,972.8, 3,017.5) | 0.050085 (0.0397257, 0.0607621) |
| Sumatera Selatan | Drowning                                      | 70  | 81.9 (36.7, 159.3)           | 0.001837 (0.0008226, 0.0035751) | 57.5 (27.6, 109.5)         | 0.001158 (0.0005564, 0.0022045) |
| Sumatera Selatan | Falls                                         | 70  | 219.6 (112.2, 370.5)         | 0.004929 (0.0025181, 0.0083141) | 157.4 (90.7, 241.9)        | 0.003170 (0.0018257, 0.0048703) |
| Sumatera Selatan | Interpersonal violence                        | 70  | 22.8 (9.4, 45.6)             | 0.000513 (0.0002099, 0.0010231) | 11.8 (5.1, 24.4)           | 0.000238 (0.0001035, 0.0004913) |
| Sumatera Selatan | Self-harm                                     | 70  | 74.3 (38.6, 125.4)           | 0.001668 (0.0008656, 0.0028135) | 28.5 (15.5, 47.8)          | 0.000573 (0.0003124, 0.0009616) |
| Sumatera Selatan | Transport injuries                            | 70  | 606.1 (387.5, 892.2)         | 0.013603 (0.0086972, 0.0200231) | 255.4 (176.0, 359.3)       | 0.005142 (0.0035439, 0.0072353) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|------------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sumatera Selatan | Other unintentional injuries                  | 70  | 321.3 (194.2, 491.4)          | 0.007211 (0.0043591, 0.0110291) | 137.4 (87.3, 201.6)           | 0.002767 (0.0017584, 0.0040599) |
| Sumatera Selatan | Diarrheal diseases                            | 75  | 764.9 (513.4, 1,075.9)        | 0.034016 (0.0228317, 0.0478476) | 1,132.7 (869.2, 1,385.1)      | 0.041253 (0.0316566, 0.0504454) |
| Sumatera Selatan | HIV/AIDS                                      | 75  | 2.6 (0.7, 6.4)                | 0.000114 (0.0000301, 0.0002842) | 2.8 (0.8, 6.8)                | 0.000103 (0.0000304, 0.0002494) |
| Sumatera Selatan | Lower respiratory infections                  | 75  | 351.3 (218.1, 530.2)          | 0.015621 (0.0096979, 0.0235816) | 435.8 (306.9, 594.2)          | 0.015874 (0.0111771, 0.0216424) |
| Sumatera Selatan | Malaria                                       | 75  | 42.5 (16.6, 86.1)             | 0.001888 (0.0007366, 0.0038305) | 27.5 (10.7, 57.9)             | 0.001003 (0.0003906, 0.0021082) |
| Sumatera Selatan | Tuberculosis                                  | 75  | 1,452.7 (993.3, 1,992.8)      | 0.064606 (0.0441770, 0.0886254) | 1,047.9 (798.5, 1,322.0)      | 0.038165 (0.0290812, 0.0481474) |
| Sumatera Selatan | Other communicable diseases                   | 75  | 231.2 (141.5, 355.8)          | 0.010280 (0.0062916, 0.0158233) | 274.9 (185.9, 392.5)          | 0.010013 (0.0067705, 0.0142966) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 75  | 130.9 (66.9, 235.7)           | 0.005821 (0.0029737, 0.0104836) | 37.5 (20.8, 64.8)             | 0.001367 (0.0007558, 0.0023599) |
| Sumatera Selatan | Breast cancer                                 | 75  | 4.3 (1.3, 10.1)               | 0.000192 (0.0000562, 0.0004471) | 145.0 (89.1, 211.6)           | 0.005280 (0.0032459, 0.0077083) |
| Sumatera Selatan | Cervical cancer                               | 75  |                               |                                 | 61.3 (30.4, 105.8)            | 0.002232 (0.0011060, 0.0038532) |
| Sumatera Selatan | Other malignant neoplasms                     | 75  | 316.4 (211.3, 452.5)          | 0.014073 (0.0093957, 0.0201222) | 422.2 (308.2, 550.6)          | 0.015379 (0.0112256, 0.0200516) |
| Sumatera Selatan | Cerebrovascular disease                       | 75  | 4,150.2 (3,024.8, 5,530.1)    | 0.184573 (0.1345208, 0.2459406) | 5,372.9 (4,207.6, 6,258.1)    | 0.195683 (0.1532432, 0.2279215) |
| Sumatera Selatan | Ischemic heart disease                        | 75  | 5,117.1 (3,719.6, 6,724.4)    | 0.227574 (0.1654235, 0.2990529) | 4,452.5 (3,529.7, 5,166.4)    | 0.162163 (0.1285548, 0.1881610) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 75  | 1,898.8 (1,313.0, 2,597.7)    | 0.084444 (0.0583934, 0.1155267) | 2,389.4 (1,826.9, 2,865.5)    | 0.087022 (0.0665366, 0.1043635) |
| Sumatera Selatan | Diabetes mellitus                             | 75  | 770.0 (528.8, 1,066.7)        | 0.034242 (0.0235189, 0.0474379) | 1,245.2 (943.1, 1,525.2)      | 0.045350 (0.0343496, 0.0555479) |
| Sumatera Selatan | Chronic kidney disease                        | 75  | 369.9 (238.0, 548.0)          | 0.016451 (0.0105854, 0.0243707) | 396.9 (286.6, 502.7)          | 0.014454 (0.0104384, 0.0183076) |
| Sumatera Selatan | Cirrhosis                                     | 75  | 375.2 (236.3, 534.6)          | 0.016685 (0.0105094, 0.0237741) | 288.4 (207.5, 381.0)          | 0.010505 (0.0075585, 0.0138773) |
| Sumatera Selatan | Chronic respiratory diseases                  | 75  | 1,998.6 (1,412.0, 2,675.1)    | 0.088883 (0.0627954, 0.1189712) | 1,492.7 (1,159.2, 1,788.1)    | 0.054365 (0.0422188, 0.0651237) |
| Sumatera Selatan | Other non-communicable diseases               | 75  | 1,597.5 (1,137.3, 2,159.3)    | 0.071046 (0.0505792, 0.0960298) | 1,945.9 (1,528.4, 2,324.7)    | 0.070871 (0.0556666, 0.0846678) |
| Sumatera Selatan | Drowning                                      | 75  | 58.2 (24.4, 118.6)            | 0.002590 (0.0010839, 0.0052728) | 48.8 (24.1, 92.0)             | 0.001778 (0.0008793, 0.0033503) |
| Sumatera Selatan | Falls                                         | 75  | 138.3 (66.5, 241.6)           | 0.006150 (0.0029586, 0.0107426) | 119.5 (69.9, 181.2)           | 0.004352 (0.0025442, 0.0065978) |
| Sumatera Selatan | Interpersonal violence                        | 75  | 10.2 (3.2, 25.8)              | 0.000452 (0.0001413, 0.0011486) | 6.3 (2.3, 15.5)               | 0.000229 (0.0000821, 0.0005633) |
| Sumatera Selatan | Self-harm                                     | 75  | 40.6 (19.0, 72.0)             | 0.001807 (0.0008466, 0.0032000) | 18.7 (9.5, 32.5)              | 0.000683 (0.0003470, 0.0011842) |
| Sumatera Selatan | Transport injuries                            | 75  | 242.1 (145.4, 377.1)          | 0.010766 (0.0064678, 0.0167688) | 122.9 (79.3, 182.4)           | 0.004475 (0.0028883, 0.0066446) |
| Sumatera Selatan | Other unintentional injuries                  | 75  | 169.4 (94.5, 271.5)           | 0.007533 (0.0042045, 0.0120735) | 87.5 (54.3, 132.6)            | 0.003187 (0.0019793, 0.0048282) |
| Sumatera Selatan | Diarrheal diseases                            | 80  | 1,627.6 (1,236.8, 2,079.8)    | 0.089086 (0.0676933, 0.1138350) | 2,888.3 (2,372.9, 3,385.5)    | 0.108215 (0.0889056, 0.1268461) |
| Sumatera Selatan | HIV/AIDS                                      | 80  | 3.4 (0.8, 10.3)               | 0.000187 (0.0000412, 0.0005640) | 4.8 (1.2, 14.4)               | 0.000179 (0.0000434, 0.0005403) |
| Sumatera Selatan | Lower respiratory infections                  | 80  | 543.7 (377.9, 759.6)          | 0.029759 (0.0206862, 0.0415749) | 859.6 (635.1, 1,137.7)        | 0.032206 (0.0237942, 0.0426259) |
| Sumatera Selatan | Malaria                                       | 80  | 55.4 (21.0, 115.9)            | 0.003032 (0.0011475, 0.0063438) | 45.0 (16.5, 96.3)             | 0.001684 (0.0006166, 0.0036075) |
| Sumatera Selatan | Tuberculosis                                  | 80  | 1,655.6 (1,240.2, 2,122.7)    | 0.090620 (0.0678799, 0.1161824) | 1,604.7 (1,267.4, 1,957.2)    | 0.060123 (0.0474854, 0.0733299) |
| Sumatera Selatan | Other communicable diseases                   | 80  | 341.3 (227.7, 494.0)          | 0.018682 (0.0124609, 0.0270371) | 484.1 (345.1, 670.1)          | 0.018137 (0.0129286, 0.0251086) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer           | 80  | 123.2 (63.1, 221.8)           | 0.006745 (0.0034522, 0.0121402) | 49.5 (24.9, 87.7)             | 0.001854 (0.0009343, 0.0032840) |
| Sumatera Selatan | Breast cancer                                 | 80  | 3.6 (1.0, 9.5)                | 0.000198 (0.0000533, 0.0005207) | 144.5 (78.4, 230.8)           | 0.005415 (0.0029376, 0.0086492) |
| Sumatera Selatan | Cervical cancer                               | 80  |                               |                                 | 57.6 (24.3, 107.4)            | 0.002157 (0.0009103, 0.0040225) |
| Sumatera Selatan | Other malignant neoplasms                     | 80  | 303.0 (216.2, 412.3)          | 0.016586 (0.0118335, 0.0225647) | 520.3 (384.4, 681.9)          | 0.019494 (0.0144010, 0.0255500) |
| Sumatera Selatan | Cerebrovascular disease                       | 80  | 5,049.0 (4,055.9, 6,176.6)    | 0.276354 (0.2219970, 0.3380727) | 8,831.0 (7,539.7, 9,893.2)    | 0.330875 (0.2824914, 0.3706714) |
| Sumatera Selatan | Ischemic heart disease                        | 80  | 5,591.0 (4,477.0, 6,820.4)    | 0.306024 (0.2450445, 0.3733115) | 7,028.2 (6,080.0, 7,917.8)    | 0.263328 (0.2278022, 0.2966571) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases | 80  | 2,141.0 (1,642.7, 2,751.9)    | 0.117188 (0.0899109, 0.1506235) | 3,556.0 (2,929.2, 4,163.7)    | 0.133234 (0.1097490, 0.1560018) |
| Sumatera Selatan | Diabetes mellitus                             | 80  | 715.5 (526.4, 949.5)          | 0.039161 (0.0288097, 0.0519703) | 1,593.2 (1,256.2, 1,938.0)    | 0.059695 (0.0470647, 0.0726108) |
| Sumatera Selatan | Chronic kidney disease                        | 80  | 349.8 (241.7, 493.8)          | 0.019144 (0.0132309, 0.0270272) | 519.3 (376.6, 666.7)          | 0.019455 (0.0141117, 0.0249790) |
| Sumatera Selatan | Cirrhosis                                     | 80  | 382.0 (255.5, 524.5)          | 0.020907 (0.0139861, 0.0287068) | 394.6 (284.3, 526.1)          | 0.014786 (0.0106516, 0.0197099) |
| Sumatera Selatan | Chronic respiratory diseases                  | 80  | 2,407.8 (1,874.7, 3,045.1)    | 0.131789 (0.1026133, 0.1666714) | 2,325.1 (1,903.4, 2,742.7)    | 0.087113 (0.0713170, 0.1027613) |
| Sumatera Selatan | Other non-communicable diseases               | 80  | 2,136.3 (1,665.6, 2,661.7)    | 0.116932 (0.0911661, 0.1456876) | 3,470.4 (2,918.1, 4,014.3)    | 0.130027 (0.1093325, 0.1504062) |
| Sumatera Selatan | Drowning                                      | 80  | 77.3 (33.7, 166.3)            | 0.004233 (0.0018440, 0.0091043) | 79.6 (35.8, 157.4)            | 0.002983 (0.0013412, 0.0058978) |
| Sumatera Selatan | Falls                                         | 80  | 235.0 (128.5, 364.7)          | 0.012861 (0.0070313, 0.0199617) | 253.1 (153.5, 364.9)          | 0.009481 (0.0057498, 0.0136726) |
| Sumatera Selatan | Interpersonal violence                        | 80  | 9.1 (1.7, 26.6)               | 0.000499 (0.0000952, 0.0014539) | 7.5 (1.7, 22.2)               | 0.000282 (0.0000641, 0.0008309) |
| Sumatera Selatan | Self-harm                                     | 80  | 43.0 (19.7, 79.4)             | 0.002352 (0.0010791, 0.0043449) | 26.7 (11.9, 49.9)             | 0.001000 (0.0004470, 0.0018680) |
| Sumatera Selatan | Transport injuries                            | 80  | 262.4 (153.8, 402.7)          | 0.014362 (0.0084180, 0.0220440) | 169.4 (102.3, 267.3)          | 0.006348 (0.0038339, 0.0100158) |
| Sumatera Selatan | Other unintentional injuries                  | 80  | 193.3 (101.5, 306.0)          | 0.010578 (0.0055539, 0.0167492) | 129.3 (72.3, 204.4)           | 0.004845 (0.0027096, 0.0076580) |
| Sumatera Selatan | Diarrheal diseases                            | All | 25,914.8 (18,151.8, 35,512.6) | 0.006335 (0.0044370, 0.0086807) | 27,447.0 (19,912.3, 37,506.6) | 0.006979 (0.0050634, 0.0095374) |
| Sumatera Selatan | HIV/AIDS                                      | All | 2,388.1 (951.9, 4,683.7)      | 0.000584 (0.0002327, 0.0011449) | 1,322.6 (544.2, 2,775.4)      | 0.000336 (0.0001384, 0.0007057) |
| Sumatera Selatan | Lower respiratory infections                  | All | 36,431.2 (23,953.0, 52,678.6) | 0.008905 (0.0058551, 0.0128768) | 24,701.0 (16,643.5, 35,964.3) | 0.006281 (0.0042322, 0.0091452) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males         |                       |                          |                        | Females       |                      |                          |                        |
|------------------|----------------------------------------------------------|-----|---------------|-----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                  |                                                          |     | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Sumatera Selatan | Malaria                                                  | All | 2,706.0       | (1,207.5, 5,067.1)    | 0.000662                 | (0.0002951, 0.0012386) | 1,402.2       | (615.1, 2,642.0)     | 0.000357                 | (0.0001564, 0.0006718) |
| Sumatera Selatan | Tuberculosis                                             | All | 57,625.6      | (45,745.9, 76,256.6)  | 0.014086                 | (0.0111821, 0.0186402) | 27,697.5      | (21,780.6, 34,485.4) | 0.007043                 | (0.0055385, 0.0087692) |
| Sumatera Selatan | Maternal disorders                                       | All |               |                       |                          |                        | 5,986.8       | (4,339.3, 7,856.4)   | 0.001522                 | (0.0011034, 0.0019978) |
| Sumatera Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | All | 44,045.9      | (22,420.2, 70,903.1)  | 0.010767                 | (0.0054804, 0.0173315) | 26,432.9      | (13,391.2, 44,570.4) | 0.006722                 | (0.0034052, 0.0113336) |
| Sumatera Selatan | Preterm birth complications                              | All | 38,036.8      | (18,489.1, 61,028.2)  | 0.009298                 | (0.0045195, 0.0149177) | 30,273.4      | (15,225.3, 51,898.8) | 0.007698                 | (0.0038716, 0.0131971) |
| Sumatera Selatan | Other neonatal disorders                                 | All | 15,794.4      | (6,016.9, 30,387.4)   | 0.003861                 | (0.0014708, 0.0074279) | 8,968.7       | (3,470.7, 18,075.1)  | 0.002281                 | (0.0008825, 0.0045962) |
| Sumatera Selatan | Other communicable diseases                              | All | 48,237.3      | (35,360.5, 65,934.9)  | 0.011791                 | (0.0086435, 0.0161171) | 32,670.4      | (23,582.2, 46,291.7) | 0.008308                 | (0.0059966, 0.0117713) |
| Sumatera Selatan | Tracheal, bronchus, and lung cancer                      | All | 4,953.1       | (2,889.3, 7,896.4)    | 0.001211                 | (0.0007063, 0.0019302) | 1,534.1       | (896.4, 2,525.3)     | 0.000390                 | (0.0002279, 0.0006421) |
| Sumatera Selatan | Breast cancer                                            | All | 267.0         | (123.7, 514.9)        | 0.000065                 | (0.0000302, 0.0001259) | 14,283.9      | (10,229.1, 19,456.9) | 0.003632                 | (0.0026011, 0.0049476) |
| Sumatera Selatan | Cervical cancer                                          | All |               |                       |                          |                        | 7,198.1       | (4,412.8, 10,728.3)  | 0.001830                 | (0.0011221, 0.0027281) |
| Sumatera Selatan | Other malignant neoplasms                                | All | 28,803.5      | (22,589.0, 36,789.4)  | 0.007041                 | (0.0055217, 0.0089928) | 19,839.4      | (15,186.2, 24,820.7) | 0.005045                 | (0.0038616, 0.0063115) |
| Sumatera Selatan | Cerebrovascular disease                                  | All | 76,895.0      | (60,757.8, 98,779.8)  | 0.018796                 | (0.0148516, 0.0241457) | 69,009.9      | (55,937.7, 82,617.0) | 0.017548                 | (0.0142241, 0.0210083) |
| Sumatera Selatan | Ischemic heart disease                                   | All | 115,025.7     | (90,873.7, 148,356.7) | 0.028117                 | (0.0222131, 0.0362643) | 64,564.1      | (51,700.2, 77,744.0) | 0.016418                 | (0.0131466, 0.0197692) |
| Sumatera Selatan | Other cardiovascular and circulatory diseases            | All | 35,407.8      | (27,496.2, 45,392.4)  | 0.008655                 | (0.0067212, 0.0110957) | 33,093.9      | (26,115.4, 40,681.5) | 0.008415                 | (0.0066408, 0.0103447) |
| Sumatera Selatan | Diabetes mellitus                                        | All | 27,662.1      | (20,872.8, 36,167.6)  | 0.006762                 | (0.0051021, 0.0088408) | 29,745.6      | (23,216.7, 37,080.4) | 0.007564                 | (0.0059037, 0.0094290) |
| Sumatera Selatan | Chronic kidney disease                                   | All | 16,239.5      | (11,849.6, 21,719.7)  | 0.003970                 | (0.0028965, 0.0053092) | 12,492.6      | (9,262.3, 16,035.1)  | 0.003177                 | (0.0023553, 0.0040775) |
| Sumatera Selatan | Cirrhosis                                                | All | 23,546.8      | (17,228.3, 31,242.4)  | 0.005756                 | (0.0042113, 0.0076369) | 10,402.6      | (7,685.5, 13,730.5)  | 0.002645                 | (0.0019543, 0.0034915) |
| Sumatera Selatan | Chronic respiratory diseases                             | All | 31,894.8      | (24,282.3, 41,459.9)  | 0.007796                 | (0.0059356, 0.0101344) | 18,172.7      | (14,148.8, 22,294.8) | 0.004621                 | (0.0035978, 0.0056693) |
| Sumatera Selatan | Other non-communicable diseases                          | All | 75,732.5      | (57,995.7, 96,057.8)  | 0.018512                 | (0.0141765, 0.0234804) | 65,828.3      | (51,529.1, 82,044.9) | 0.016739                 | (0.0131031, 0.0208628) |
| Sumatera Selatan | Drowning                                                 | All | 19,588.8      | (14,203.3, 26,875.5)  | 0.004788                 | (0.0034718, 0.0065695) | 6,270.3       | (4,146.6, 8,759.5)   | 0.001595                 | (0.0010544, 0.0022274) |
| Sumatera Selatan | Falls                                                    | All | 5,742.8       | (3,243.4, 9,033.6)    | 0.001404                 | (0.0007928, 0.0022082) | 2,607.7       | (1,490.9, 3,996.4)   | 0.000663                 | (0.0003791, 0.0010162) |
| Sumatera Selatan | Interpersonal violence                                   | All | 3,601.2       | (2,460.3, 5,149.3)    | 0.000880                 | (0.0006014, 0.0012587) | 1,986.9       | (1,257.0, 2,995.5)   | 0.000505                 | (0.0003196, 0.0007617) |
| Sumatera Selatan | Self-harm                                                | All | 4,212.8       | (2,762.7, 6,210.3)    | 0.001030                 | (0.0006753, 0.0015180) | 1,842.5       | (1,191.0, 2,755.4)   | 0.000469                 | (0.0003029, 0.0007007) |
| Sumatera Selatan | Transport injuries                                       | All | 64,962.4      | (51,461.4, 83,046.3)  | 0.015879                 | (0.0125792, 0.0202998) | 19,439.0      | (15,273.9, 24,031.5) | 0.004943                 | (0.0038839, 0.0061109) |
| Sumatera Selatan | Other unintentional injuries                             | All | 24,106.0      | (17,257.7, 32,901.3)  | 0.005893                 | (0.0042185, 0.0080424) | 8,308.3       | (5,767.3, 11,419.7)  | 0.002113                 | (0.0014665, 0.0029039) |
| Bengkulu         | Diarrheal diseases                                       | NN  | 531.3         | (192.0, 1,059.3)      | 0.342823                 | (0.1239016, 0.6834691) | 381.2         | (144.6, 825.2)       | 0.260593                 | (0.0988436, 0.5640885) |
| Bengkulu         | Lower respiratory infections                             | NN  | 3,070.1       | (1,391.3, 5,459.9)    | 1.980902                 | (0.8976885, 3.5228820) | 1,675.4       | (772.4, 3,188.2)     | 1.145277                 | (0.5280325, 2.1794469) |
| Bengkulu         | Malaria                                                  | NN  | 69.4          | (10.3, 276.3)         | 0.044758                 | (0.0066326, 0.1782850) | 36.4          | (6.0, 121.1)         | 0.024859                 | (0.0040816, 0.0827883) |
| Bengkulu         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 8,824.7       | (4,296.6, 14,558.1)   | 5.693914                 | (2.7722800, 9.3932934) | 5,347.7       | (2,531.8, 9,408.8)   | 3.655668                 | (1.7307420, 6.4318972) |
| Bengkulu         | Preterm birth complications                              | NN  | 8,248.6       | (3,641.8, 13,994.4)   | 5.322217                 | (2.3497670, 9.0295849) | 6,510.3       | (3,089.9, 11,248.7)  | 4.450479                 | (2.1122739, 7.6896491) |
| Bengkulu         | Other neonatal disorders                                 | NN  | 3,383.7       | (1,116.3, 7,168.3)    | 2.183229                 | (0.7202430, 4.6251922) | 1,949.3       | (578.8, 4,323.8)     | 1.332523                 | (0.3956521, 2.9557681) |
| Bengkulu         | Other communicable diseases                              | NN  | 456.9         | (166.5, 961.2)        | 0.294818                 | (0.1074105, 0.6202026) | 227.4         | (80.0, 504.5)        | 0.155460                 | (0.0546793, 0.3448450) |
| Bengkulu         | Other malignant neoplasms                                | NN  | 223.7         | (75.9, 482.4)         | 0.144343                 | (0.0489967, 0.3112471) | 164.5         | (57.9, 372.1)        | 0.112454                 | (0.0395819, 0.2543548) |
| Bengkulu         | Cerebrovascular disease                                  | NN  | 103.7         | (26.2, 275.0)         | 0.066912                 | (0.0168752, 0.1774130) | 96.7          | (21.8, 242.8)        | 0.066080                 | (0.0149338, 0.1659742) |
| Bengkulu         | Other cardiovascular and circulatory diseases            | NN  | 68.6          | (12.3, 201.6)         | 0.044294                 | (0.0079228, 0.1301075) | 62.2          | (12.5, 186.7)        | 0.042551                 | (0.0085304, 0.1276519) |
| Bengkulu         | Diabetes mellitus                                        | NN  | 16.5          | (0.1, 135.6)          | 0.010624                 | (0.0000458, 0.0875030) | 23.0          | (0.1, 190.9)         | 0.015733                 | (0.0000839, 0.1305223) |
| Bengkulu         | Other non-communicable diseases                          | NN  | 4,619.2       | (2,294.5, 7,552.2)    | 2.980416                 | (1.4804620, 4.8728838) | 3,799.4       | (1,963.0, 6,509.2)   | 2.597253                 | (1.3419410, 4.4497242) |
| Bengkulu         | Drowning                                                 | NN  | 339.1         | (107.8, 791.8)        | 0.218807                 | (0.0695278, 0.5109175) | 69.2          | (18.8, 196.2)        | 0.047274                 | (0.0128669, 0.1341265) |
| Bengkulu         | Falls                                                    | NN  | 119.8         | (33.5, 288.0)         | 0.077288                 | (0.0216066, 0.1858554) | 34.2          | (8.9, 87.4)          | 0.023411                 | (0.0060879, 0.0597184) |
| Bengkulu         | Interpersonal violence                                   | NN  | 85.8          | (23.6, 217.7)         | 0.055378                 | (0.0152573, 0.1404717) | 44.2          | (10.9, 117.3)        | 0.030222                 | (0.0074789, 0.0801902) |
| Bengkulu         | Transport injuries                                       | NN  | 257.9         | (70.6, 649.8)         | 0.166435                 | (0.0455851, 0.4192606) | 55.0          | (14.2, 148.7)        | 0.037571                 | (0.0097104, 0.1016510) |
| Bengkulu         | Other unintentional injuries                             | NN  | 686.2         | (254.6, 1,445.4)      | 0.442761                 | (0.1643016, 0.9326413) | 197.2         | (71.3, 433.4)        | 0.134824                 | (0.0487177, 0.2962744) |
| Bengkulu         | Diarrheal diseases                                       | PNN | 118.3         | (55.5, 206.5)         | 0.006115                 | (0.0028699, 0.0106770) | 151.7         | (71.6, 263.7)        | 0.008311                 | (0.0039200, 0.0144411) |
| Bengkulu         | HIV/AIDS                                                 | PNN | 2.1           | (0.4, 6.5)            | 0.000109                 | (0.0000202, 0.0003386) | 2.0           | (0.3, 6.3)           | 0.000109                 | (0.0000190, 0.0003461) |
| Bengkulu         | Lower respiratory infections                             | PNN | 61.3          | (29.3, 107.3)         | 0.003170                 | (0.0015154, 0.0055458) | 56.3          | (26.0, 101.1)        | 0.003083                 | (0.0014247, 0.0055379) |
| Bengkulu         | Malaria                                                  | PNN | 14.8          | (2.5, 49.7)           | 0.000764                 | (0.0001292, 0.0025668) | 14.2          | (2.6, 46.4)          | 0.000776                 | (0.0001399, 0.0025438) |
| Bengkulu         | Tuberculosis                                             | PNN | 8.5           | (2.8, 19.4)           | 0.000441                 | (0.0001466, 0.0010036) | 8.7           | (2.7, 20.9)          | 0.000477                 | (0.0001503, 0.0011466) |
| Bengkulu         | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 5.5           | (1.5, 14.5)           | 0.000284                 | (0.0000754, 0.0007477) | 5.4           | (1.4, 14.4)          | 0.000294                 | (0.0000749, 0.0007862) |
| Bengkulu         | Preterm birth complications                              | PNN | 13.6          | (4.5, 31.4)           | 0.000701                 | (0.0002345, 0.0016217) | 19.7          | (6.5, 46.6)          | 0.001079                 | (0.0003543, 0.0025500) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                 | Females                  |                                 |
|----------|----------------------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Bengkulu | Other neonatal disorders                                 | PNN | 7.7 (1.6, 21.6)            | 0.000396 (0.0000810, 0.0011166) | 7.4 (1.6, 22.8)          | 0.000403 (0.0000853, 0.0012482) |
| Bengkulu | Other communicable diseases                              | PNN | 112.5 (52.2, 202.4)        | 0.005815 (0.0027001, 0.0104606) | 100.7 (44.8, 186.3)      | 0.005514 (0.0024516, 0.0102049) |
| Bengkulu | Other malignant neoplasms                                | PNN | 3.0 (1.0, 6.5)             | 0.000153 (0.0000528, 0.0003344) | 3.5 (1.3, 7.5)           | 0.000194 (0.0000708, 0.0004118) |
| Bengkulu | Cerebrovascular disease                                  | PNN | 1.4 (0.4, 3.4)             | 0.000071 (0.0000183, 0.0001779) | 2.1 (0.5, 5.7)           | 0.000114 (0.0000274, 0.0003132) |
| Bengkulu | Ischemic heart disease                                   | PNN | 0.4 (0.0, 1.9)             | 0.000023 (0.0000015, 0.0000963) | 0.7 (0.0, 3.1)           | 0.000038 (0.0000022, 0.0001715) |
| Bengkulu | Other cardiovascular and circulatory diseases            | PNN | 0.9 (0.2, 2.6)             | 0.000047 (0.0000092, 0.0001345) | 1.3 (0.3, 3.8)           | 0.000073 (0.0000157, 0.0002070) |
| Bengkulu | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.9)             | 0.000012 (0.0000001, 0.0000964) | 0.5 (0.0, 4.1)           | 0.000027 (0.0000001, 0.0002231) |
| Bengkulu | Chronic kidney disease                                   | PNN | 5.4 (2.0, 12.4)            | 0.000279 (0.0001026, 0.0006415) | 6.4 (2.3, 14.5)          | 0.000350 (0.0001271, 0.0007934) |
| Bengkulu | Other non-communicable diseases                          | PNN | 60.2 (29.2, 101.2)         | 0.003112 (0.0015087, 0.0052298) | 81.1 (40.9, 136.6)       | 0.004441 (0.0022393, 0.0074812) |
| Bengkulu | Drowning                                                 | PNN | 5.5 (1.9, 12.3)            | 0.000285 (0.0000960, 0.0006363) | 1.8 (0.6, 4.5)           | 0.000100 (0.0000314, 0.0002451) |
| Bengkulu | Falls                                                    | PNN | 1.9 (0.5, 4.6)             | 0.000098 (0.0000281, 0.0002393) | 0.9 (0.2, 2.3)           | 0.000048 (0.0000123, 0.0001233) |
| Bengkulu | Interpersonal violence                                   | PNN | 1.3 (0.4, 3.3)             | 0.000068 (0.0000199, 0.0001698) | 1.1 (0.3, 2.8)           | 0.000061 (0.0000166, 0.0001531) |
| Bengkulu | Transport injuries                                       | PNN | 4.2 (1.2, 10.2)            | 0.000215 (0.0000643, 0.0005298) | 1.5 (0.4, 3.5)           | 0.000080 (0.0000217, 0.0001940) |
| Bengkulu | Other unintentional injuries                             | PNN | 10.7 (4.2, 21.9)           | 0.000552 (0.0002167, 0.0011314) | 5.0 (1.9, 11.0)          | 0.000273 (0.0001027, 0.0005999) |
| Bengkulu | Diarrheal diseases                                       | 1   | 1,307.7 (516.0, 2,807.3)   | 0.016465 (0.0064961, 0.0353459) | 1,314.7 (573.9, 2,634.8) | 0.017081 (0.0074558, 0.0342297) |
| Bengkulu | HIV/AIDS                                                 | 1   | 49.5 (9.2, 160.9)          | 0.000623 (0.0001160, 0.0020261) | 37.6 (6.6, 134.8)        | 0.000488 (0.0000857, 0.0017516) |
| Bengkulu | Lower respiratory infections                             | 1   | 1,423.2 (558.8, 2,935.3)   | 0.017918 (0.0070362, 0.0369568) | 1,044.4 (444.3, 2,054.9) | 0.013569 (0.0057726, 0.0266969) |
| Bengkulu | Malaria                                                  | 1   | 131.7 (20.8, 460.7)        | 0.001659 (0.0002621, 0.0058005) | 100.3 (16.5, 350.0)      | 0.001304 (0.0002140, 0.0045470) |
| Bengkulu | Tuberculosis                                             | 1   | 213.2 (59.9, 510.8)        | 0.002684 (0.0007538, 0.0064317) | 174.0 (51.9, 422.5)      | 0.002261 (0.0006742, 0.0054889) |
| Bengkulu | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 67.1 (15.4, 190.8)         | 0.000845 (0.0001935, 0.0024027) | 48.5 (11.6, 137.6)       | 0.000630 (0.0001506, 0.0017876) |
| Bengkulu | Preterm birth complications                              | 1   | 32.9 (4.8, 118.8)          | 0.000415 (0.0000598, 0.0014960) | 35.2 (5.3, 125.6)        | 0.000458 (0.0000690, 0.0016318) |
| Bengkulu | Other neonatal disorders                                 | 1   | 14.2 (0.1, 91.8)           | 0.000178 (0.0000012, 0.0011560) | 9.6 (0.1, 67.6)          | 0.000125 (0.0000009, 0.0008789) |
| Bengkulu | Other communicable diseases                              | 1   | 2,699.4 (1,064.8, 5,622.7) | 0.033987 (0.0134062, 0.0707927) | 1,937.9 (778.1, 3,724.5) | 0.025177 (0.0101087, 0.0483880) |
| Bengkulu | Other malignant neoplasms                                | 1   | 47.6 (15.0, 116.8)         | 0.000599 (0.0001890, 0.0014700) | 48.4 (16.2, 115.0)       | 0.000629 (0.0002104, 0.0014941) |
| Bengkulu | Cerebrovascular disease                                  | 1   | 24.2 (5.4, 67.8)           | 0.000304 (0.0000682, 0.0008542) | 30.7 (7.3, 78.6)         | 0.000399 (0.0000950, 0.0010206) |
| Bengkulu | Ischemic heart disease                                   | 1   | 8.2 (0.5, 40.6)            | 0.000104 (0.0000057, 0.0005116) | 10.6 (0.6, 51.5)         | 0.000138 (0.0000084, 0.0006692) |
| Bengkulu | Other cardiovascular and circulatory diseases            | 1   | 14.8 (2.8, 47.7)           | 0.000186 (0.0000353, 0.0006003) | 18.5 (3.6, 55.3)         | 0.000240 (0.0000470, 0.0007185) |
| Bengkulu | Diabetes mellitus                                        | 1   | 3.5 (0.0, 24.5)            | 0.000044 (0.0000002, 0.0003083) | 6.5 (0.0, 49.5)          | 0.000084 (0.0000005, 0.0006425) |
| Bengkulu | Chronic kidney disease                                   | 1   | 84.1 (25.7, 203.3)         | 0.001058 (0.0003241, 0.0025603) | 83.8 (26.9, 201.9)       | 0.001089 (0.0003493, 0.0026235) |
| Bengkulu | Cirrhosis                                                | 1   | 74.0 (20.2, 193.6)         | 0.000931 (0.0002538, 0.0024372) | 42.5 (11.4, 110.0)       | 0.000553 (0.0001487, 0.0014293) |
| Bengkulu | Chronic respiratory diseases                             | 1   | 199.9 (56.5, 487.4)        | 0.002516 (0.0007110, 0.0061364) | 93.2 (24.0, 242.9)       | 0.001211 (0.0003121, 0.0031558) |
| Bengkulu | Other non-communicable diseases                          | 1   | 977.5 (398.5, 2,093.0)     | 0.012307 (0.0050168, 0.0263517) | 1,106.5 (477.7, 2,150.9) | 0.014375 (0.0062063, 0.0279439) |
| Bengkulu | Drowning                                                 | 1   | 372.9 (121.8, 887.9)       | 0.004695 (0.0015334, 0.0111792) | 102.4 (33.4, 241.8)      | 0.001330 (0.0004345, 0.0031412) |
| Bengkulu | Falls                                                    | 1   | 88.5 (25.0, 216.8)         | 0.001115 (0.0003144, 0.0027295) | 34.2 (8.9, 85.6)         | 0.000444 (0.0001161, 0.0011127) |
| Bengkulu | Interpersonal violence                                   | 1   | 50.8 (13.9, 137.1)         | 0.000640 (0.0001754, 0.0017263) | 35.8 (9.0, 93.6)         | 0.000465 (0.0001171, 0.0012159) |
| Bengkulu | Transport injuries                                       | 1   | 247.5 (69.8, 622.3)        | 0.003116 (0.0008791, 0.0078353) | 72.2 (21.3, 181.0)       | 0.000938 (0.0002771, 0.0023514) |
| Bengkulu | Other unintentional injuries                             | 1   | 429.1 (148.0, 938.2)       | 0.005402 (0.0018628, 0.0118122) | 168.0 (58.2, 387.1)      | 0.002182 (0.0007566, 0.0050297) |
| Bengkulu | Diarrheal diseases                                       | 5   | 596.7 (355.6, 934.2)       | 0.006202 (0.0036960, 0.0097084) | 576.7 (366.1, 839.5)     | 0.006385 (0.0040528, 0.0092933) |
| Bengkulu | HIV/AIDS                                                 | 5   | 15.6 (2.4, 46.3)           | 0.000162 (0.0000248, 0.0004815) | 11.2 (1.7, 32.9)         | 0.000124 (0.0000192, 0.0003641) |
| Bengkulu | Lower respiratory infections                             | 5   | 422.0 (245.3, 625.7)       | 0.004386 (0.0025494, 0.0065024) | 297.8 (170.0, 453.1)     | 0.003296 (0.0018818, 0.0050157) |
| Bengkulu | Malaria                                                  | 5   | 60.3 (12.0, 180.1)         | 0.000626 (0.0001247, 0.0018721) | 43.9 (9.0, 131.3)        | 0.000487 (0.0000996, 0.0014539) |
| Bengkulu | Tuberculosis                                             | 5   | 90.0 (39.7, 170.6)         | 0.000936 (0.0004123, 0.0017725) | 70.2 (30.7, 133.1)       | 0.000777 (0.0003399, 0.0014729) |
| Bengkulu | Other communicable diseases                              | 5   | 1,214.3 (846.8, 1,608.9)   | 0.012620 (0.0088001, 0.0167206) | 836.0 (559.1, 1,109.9)   | 0.009255 (0.0061900, 0.0128666) |
| Bengkulu | Other malignant neoplasms                                | 5   | 202.7 (108.2, 355.6)       | 0.002106 (0.0011248, 0.0036952) | 196.8 (107.8, 333.2)     | 0.002179 (0.0011937, 0.0036887) |
| Bengkulu | Cerebrovascular disease                                  | 5   | 67.6 (31.7, 127.0)         | 0.000702 (0.0003290, 0.0013203) | 81.0 (40.2, 140.8)       | 0.000896 (0.0004453, 0.0015591) |
| Bengkulu | Ischemic heart disease                                   | 5   | 26.5 (9.6, 56.1)           | 0.000275 (0.0000997, 0.0005830) | 31.9 (11.9, 63.1)        | 0.000354 (0.0001312, 0.0006987) |
| Bengkulu | Other cardiovascular and circulatory diseases            | 5   | 46.5 (16.7, 103.5)         | 0.000483 (0.0001738, 0.0010756) | 54.3 (21.0, 110.5)       | 0.000601 (0.0002327, 0.0012230) |
| Bengkulu | Diabetes mellitus                                        | 5   | 30.2 (10.7, 70.0)          | 0.000314 (0.0001108, 0.0007278) | 54.7 (20.2, 123.3)       | 0.000606 (0.0002234, 0.0013654) |
| Bengkulu | Chronic kidney disease                                   | 5   | 122.5 (60.2, 227.6)        | 0.001273 (0.0006259, 0.0023650) | 116.6 (59.1, 208.6)      | 0.001291 (0.0006539, 0.0023096) |
| Bengkulu | Cirrhosis                                                | 5   | 139.0 (66.0, 251.6)        | 0.001445 (0.0006855, 0.0026150) | 77.3 (35.4, 144.4)       | 0.000856 (0.0003915, 0.0015988) |
| Bengkulu | Chronic respiratory diseases                             | 5   | 110.1 (46.9, 209.3)        | 0.001145 (0.0004878, 0.0021752) | 48.2 (20.1, 93.6)        | 0.000533 (0.0002222, 0.0010366) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Bengkulu | Other non-communicable diseases               | 5   | 595.5 (405.8, 810.0)       | 0.006189 (0.0042170, 0.0084184) | 640.9 (460.7, 843.8)     | 0.007095 (0.0051007, 0.0093410) |
| Bengkulu | Drowning                                      | 5   | 945.1 (593.3, 1,355.9)     | 0.009822 (0.0061657, 0.0140917) | 355.8 (197.4, 576.1)     | 0.003938 (0.0021850, 0.0063776) |
| Bengkulu | Falls                                         | 5   | 118.1 (47.6, 223.0)        | 0.001227 (0.0004947, 0.0023176) | 56.6 (23.4, 110.6)       | 0.000627 (0.0002586, 0.0012249) |
| Bengkulu | Interpersonal violence                        | 5   | 29.8 (12.4, 58.8)          | 0.000309 (0.0001284, 0.0006106) | 26.0 (11.3, 51.6)        | 0.000288 (0.0001248, 0.0005713) |
| Bengkulu | Transport injuries                            | 5   | 619.5 (330.9, 995.8)       | 0.006438 (0.0034386, 0.0103486) | 238.7 (119.2, 430.3)     | 0.002643 (0.0013194, 0.0047636) |
| Bengkulu | Other unintentional injuries                  | 5   | 296.6 (163.5, 470.3)       | 0.003082 (0.0016989, 0.0048880) | 146.0 (74.1, 252.1)      | 0.001616 (0.0008209, 0.0027911) |
| Bengkulu | Diarrheal diseases                            | 10  | 297.8 (163.4, 502.8)       | 0.003109 (0.0017055, 0.0052485) | 313.1 (179.2, 499.9)     | 0.003424 (0.0019593, 0.0054666) |
| Bengkulu | HIV/AIDS                                      | 10  | 15.1 (2.8, 43.2)           | 0.000157 (0.0000297, 0.0004513) | 11.7 (2.2, 34.9)         | 0.000128 (0.0000245, 0.0003814) |
| Bengkulu | Lower respiratory infections                  | 10  | 266.4 (137.8, 438.2)       | 0.002781 (0.0014385, 0.0045744) | 199.6 (101.3, 326.6)     | 0.002183 (0.0011076, 0.0035718) |
| Bengkulu | Malaria                                       | 10  | 114.4 (30.4, 283.9)        | 0.001194 (0.0003171, 0.0029638) | 89.1 (22.2, 221.4)       | 0.000974 (0.0002422, 0.0024211) |
| Bengkulu | Tuberculosis                                  | 10  | 199.0 (99.5, 338.7)        | 0.002077 (0.0010389, 0.0035354) | 162.4 (82.3, 270.3)      | 0.001776 (0.0008998, 0.0029560) |
| Bengkulu | Maternal disorders                            | 10  |                            |                                 | 13.4 (2.3, 36.8)         | 0.000147 (0.0000255, 0.0004026) |
| Bengkulu | Other communicable diseases                   | 10  | 911.7 (611.3, 1,219.2)     | 0.009518 (0.0063822, 0.0127279) | 669.1 (431.0, 899.2)     | 0.007317 (0.0047131, 0.0098327) |
| Bengkulu | Other malignant neoplasms                     | 10  | 280.2 (162.0, 444.6)       | 0.002926 (0.0016913, 0.0046415) | 299.9 (181.8, 469.0)     | 0.003280 (0.0019884, 0.0051283) |
| Bengkulu | Cerebrovascular disease                       | 10  | 105.8 (58.6, 179.6)        | 0.001105 (0.0006121, 0.0018750) | 132.7 (77.7, 216.6)      | 0.001452 (0.0008497, 0.0023683) |
| Bengkulu | Ischemic heart disease                        | 10  | 62.0 (31.7, 110.2)         | 0.000648 (0.0003308, 0.0011507) | 76.4 (41.7, 130.2)       | 0.000835 (0.0004555, 0.0014238) |
| Bengkulu | Other cardiovascular and circulatory diseases | 10  | 66.1 (28.3, 131.7)         | 0.000690 (0.0002952, 0.0013748) | 81.9 (36.2, 158.0)       | 0.000895 (0.0003964, 0.0017275) |
| Bengkulu | Diabetes mellitus                             | 10  | 41.2 (19.8, 75.8)          | 0.000430 (0.0002062, 0.0007916) | 80.1 (38.3, 137.5)       | 0.000876 (0.0004184, 0.0015032) |
| Bengkulu | Chronic kidney disease                        | 10  | 164.9 (97.2, 266.1)        | 0.001722 (0.0010150, 0.0027782) | 167.6 (94.3, 265.6)      | 0.001832 (0.0010312, 0.0029040) |
| Bengkulu | Cirrhosis                                     | 10  | 155.7 (85.3, 258.3)        | 0.001626 (0.0008909, 0.0026968) | 93.3 (49.4, 161.4)       | 0.001020 (0.0005407, 0.0017652) |
| Bengkulu | Chronic respiratory diseases                  | 10  | 195.8 (102.9, 326.9)       | 0.002044 (0.0010747, 0.0034122) | 95.6 (48.8, 168.9)       | 0.001045 (0.0005338, 0.0018469) |
| Bengkulu | Other non-communicable diseases               | 10  | 662.3 (471.2, 876.6)       | 0.006915 (0.0049189, 0.0091516) | 745.4 (545.3, 969.8)     | 0.008152 (0.0059633, 0.0106051) |
| Bengkulu | Drowning                                      | 10  | 530.4 (297.7, 862.3)       | 0.005537 (0.0031075, 0.0090017) | 195.0 (95.5, 347.0)      | 0.002133 (0.0010444, 0.0037951) |
| Bengkulu | Falls                                         | 10  | 109.9 (46.7, 218.8)        | 0.001147 (0.0004874, 0.0022847) | 53.1 (21.8, 114.8)       | 0.000581 (0.0002380, 0.0012555) |
| Bengkulu | Interpersonal violence                        | 10  | 47.1 (25.3, 82.6)          | 0.000492 (0.0002640, 0.0008627) | 40.8 (21.0, 69.9)        | 0.000446 (0.0002299, 0.0007648) |
| Bengkulu | Self-harm                                     | 10  | 97.8 (41.2, 187.0)         | 0.001021 (0.0004297, 0.0019521) | 72.6 (30.9, 137.6)       | 0.000794 (0.0003383, 0.0015048) |
| Bengkulu | Transport injuries                            | 10  | 959.0 (595.1, 1,351.0)     | 0.010012 (0.0062124, 0.0141042) | 388.9 (218.0, 634.5)     | 0.004253 (0.0023837, 0.0069386) |
| Bengkulu | Other unintentional injuries                  | 10  | 303.2 (179.8, 466.9)       | 0.003165 (0.0018766, 0.0048740) | 148.4 (76.4, 245.2)      | 0.001623 (0.0008353, 0.0026813) |
| Bengkulu | Diarrheal diseases                            | 15  | 192.3 (84.4, 352.0)        | 0.002236 (0.0009819, 0.0040934) | 163.7 (74.1, 302.8)      | 0.001864 (0.0008435, 0.0034489) |
| Bengkulu | HIV/AIDS                                      | 15  | 16.7 (3.0, 49.6)           | 0.000194 (0.0000348, 0.0005772) | 11.8 (1.9, 36.7)         | 0.000134 (0.0000218, 0.0004181) |
| Bengkulu | Lower respiratory infections                  | 15  | 154.4 (66.3, 288.8)        | 0.001796 (0.0007711, 0.0033586) | 89.0 (34.3, 177.8)       | 0.001014 (0.0003910, 0.0020253) |
| Bengkulu | Malaria                                       | 15  | 309.8 (97.1, 681.9)        | 0.003603 (0.0011292, 0.0079296) | 222.2 (66.1, 480.7)      | 0.002531 (0.0007527, 0.0054747) |
| Bengkulu | Tuberculosis                                  | 15  | 440.4 (240.3, 701.0)       | 0.005122 (0.0027949, 0.0081527) | 310.5 (173.0, 490.3)     | 0.003537 (0.0019702, 0.0055842) |
| Bengkulu | Maternal disorders                            | 15  |                            |                                 | 254.8 (134.3, 457.0)     | 0.002902 (0.0015293, 0.0052049) |
| Bengkulu | Other communicable diseases                   | 15  | 712.1 (387.6, 1,117.5)     | 0.008282 (0.0045078, 0.0129964) | 399.0 (196.2, 650.2)     | 0.004544 (0.0022347, 0.0074050) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 15  | 107.9 (36.5, 254.6)        | 0.001255 (0.0004242, 0.0029612) | 53.6 (15.2, 130.7)       | 0.000611 (0.0001732, 0.0014885) |
| Bengkulu | Breast cancer                                 | 15  | 1.8 (0.2, 6.6)             | 0.000020 (0.0000018, 0.0000766) | 71.9 (20.2, 180.1)       | 0.000819 (0.0002304, 0.0020516) |
| Bengkulu | Cervical cancer                               | 15  |                            |                                 | 38.3 (5.4, 111.4)        | 0.000436 (0.0000619, 0.0012685) |
| Bengkulu | Other malignant neoplasms                     | 15  | 360.7 (201.9, 570.8)       | 0.004195 (0.0023485, 0.0066384) | 500.3 (286.6, 792.6)     | 0.005698 (0.0032647, 0.0090274) |
| Bengkulu | Cerebrovascular disease                       | 15  | 221.5 (124.2, 365.9)       | 0.002576 (0.0014448, 0.0042556) | 255.7 (141.6, 420.1)     | 0.002913 (0.0016127, 0.0047850) |
| Bengkulu | Ischemic heart disease                        | 15  | 232.0 (124.8, 369.2)       | 0.002698 (0.0014512, 0.0042942) | 231.1 (128.8, 379.4)     | 0.002632 (0.0014672, 0.0043209) |
| Bengkulu | Other cardiovascular and circulatory diseases | 15  | 116.4 (51.4, 220.0)        | 0.001354 (0.0005976, 0.0025587) | 157.8 (61.7, 313.7)      | 0.001798 (0.0007022, 0.0035723) |
| Bengkulu | Diabetes mellitus                             | 15  | 75.2 (35.9, 139.5)         | 0.000874 (0.0004176, 0.0016226) | 162.4 (76.6, 290.5)      | 0.001850 (0.0008722, 0.0033087) |
| Bengkulu | Chronic kidney disease                        | 15  | 278.9 (155.7, 455.5)       | 0.003244 (0.0018110, 0.0052976) | 326.2 (177.4, 524.8)     | 0.003716 (0.0020200, 0.0059766) |
| Bengkulu | Cirrhosis                                     | 15  | 213.7 (116.8, 377.9)       | 0.002485 (0.0013578, 0.0043942) | 132.4 (66.6, 239.4)      | 0.001508 (0.0007583, 0.0027267) |
| Bengkulu | Chronic respiratory diseases                  | 15  | 179.4 (89.0, 317.1)        | 0.002086 (0.0010355, 0.0036876) | 123.1 (55.0, 222.0)      | 0.001402 (0.0006267, 0.0025281) |
| Bengkulu | Other non-communicable diseases               | 15  | 892.7 (607.3, 1,233.1)     | 0.010382 (0.0070625, 0.0143399) | 996.9 (695.3, 1,337.9)   | 0.011354 (0.0079194, 0.0152378) |
| Bengkulu | Drowning                                      | 15  | 303.2 (151.5, 558.5)       | 0.003526 (0.0017623, 0.0064947) | 85.9 (34.4, 179.3)       | 0.000978 (0.0003920, 0.0020424) |
| Bengkulu | Falls                                         | 15  | 109.3 (46.9, 205.0)        | 0.001271 (0.0005453, 0.0023843) | 46.2 (17.7, 98.1)        | 0.000526 (0.0002011, 0.0011178) |
| Bengkulu | Interpersonal violence                        | 15  | 128.3 (72.1, 210.8)        | 0.001492 (0.0008389, 0.0024517) | 127.0 (57.3, 236.9)      | 0.001446 (0.0006528, 0.0026986) |
| Bengkulu | Self-harm                                     | 15  | 224.5 (126.0, 376.6)       | 0.002611 (0.0014658, 0.0043797) | 197.6 (96.6, 346.9)      | 0.002250 (0.0011003, 0.0039513) |
| Bengkulu | Transport injuries                            | 15  | 2,932.3 (2,151.5, 3,813.9) | 0.034101 (0.0250207, 0.0443538) | 1,264.8 (849.2, 1,783.7) | 0.014405 (0.0096714, 0.0203145) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Bengkulu | Other unintentional injuries                  | 15  | 505.8 (296.9, 816.8)       | 0.005882 (0.0034530, 0.0094987) | 248.3 (125.3, 423.8)     | 0.002828 (0.0014266, 0.0048273) |
| Bengkulu | Diarrheal diseases                            | 20  | 212.0 (94.8, 397.2)        | 0.002460 (0.0010998, 0.0046087) | 158.6 (70.3, 301.5)      | 0.001889 (0.0008371, 0.0035914) |
| Bengkulu | HIV/AIDS                                      | 20  | 69.1 (15.8, 191.8)         | 0.000801 (0.0001836, 0.0022256) | 36.6 (8.3, 101.4)        | 0.000436 (0.0000985, 0.0012081) |
| Bengkulu | Lower respiratory infections                  | 20  | 185.0 (72.1, 366.2)        | 0.002146 (0.0008362, 0.0042498) | 77.6 (29.8, 152.5)       | 0.000925 (0.0003544, 0.0018161) |
| Bengkulu | Malaria                                       | 20  | 435.4 (138.8, 936.3)       | 0.005052 (0.0016103, 0.0108652) | 248.3 (74.5, 520.4)      | 0.002957 (0.0008874, 0.0061983) |
| Bengkulu | Tuberculosis                                  | 20  | 1,107.7 (668.1, 1,740.6)   | 0.012855 (0.0077523, 0.0201982) | 489.7 (294.6, 747.4)     | 0.005832 (0.0035091, 0.0089025) |
| Bengkulu | Maternal disorders                            | 20  |                            |                                 | 633.5 (385.3, 932.6)     | 0.007545 (0.0045893, 0.0111077) |
| Bengkulu | Other communicable diseases                   | 20  | 1,011.3 (544.5, 1,602.8)   | 0.011736 (0.0063181, 0.0185997) | 512.9 (264.8, 811.2)     | 0.006109 (0.0031540, 0.0096621) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 20  | 94.7 (26.1, 245.6)         | 0.001099 (0.0003028, 0.0028505) | 87.1 (26.2, 207.8)       | 0.001038 (0.0003116, 0.0024747) |
| Bengkulu | Breast cancer                                 | 20  | 2.6 (0.5, 8.0)             | 0.000030 (0.0000053, 0.0000932) | 207.5 (86.5, 430.9)      | 0.002472 (0.0010307, 0.0051318) |
| Bengkulu | Cervical cancer                               | 20  |                            |                                 | 93.9 (16.0, 258.2)       | 0.001119 (0.0001904, 0.0030755) |
| Bengkulu | Other malignant neoplasms                     | 20  | 369.2 (203.8, 604.2)       | 0.004285 (0.0023653, 0.0070114) | 549.4 (299.2, 880.0)     | 0.006544 (0.0035638, 0.0104817) |
| Bengkulu | Cerebrovascular disease                       | 20  | 436.3 (263.8, 667.6)       | 0.005063 (0.0030609, 0.0077467) | 416.3 (260.2, 626.2)     | 0.004958 (0.0030990, 0.0074585) |
| Bengkulu | Ischemic heart disease                        | 20  | 443.7 (257.9, 699.3)       | 0.005148 (0.0029928, 0.0081147) | 278.3 (163.8, 431.1)     | 0.003315 (0.0019516, 0.0051351) |
| Bengkulu | Other cardiovascular and circulatory diseases | 20  | 187.5 (83.8, 344.5)        | 0.002176 (0.0009727, 0.0039979) | 229.5 (113.2, 409.5)     | 0.002734 (0.0013477, 0.0048772) |
| Bengkulu | Diabetes mellitus                             | 20  | 78.9 (40.1, 140.3)         | 0.000915 (0.0004649, 0.0016280) | 153.7 (81.1, 270.8)      | 0.001831 (0.0009659, 0.0032255) |
| Bengkulu | Chronic kidney disease                        | 20  | 466.3 (273.4, 750.8)       | 0.005411 (0.0031726, 0.0087130) | 477.6 (294.4, 712.9)     | 0.005688 (0.0035063, 0.0084906) |
| Bengkulu | Cirrhosis                                     | 20  | 368.2 (203.3, 597.0)       | 0.004273 (0.0023588, 0.0069276) | 217.9 (116.7, 377.5)     | 0.002595 (0.0013895, 0.0044961) |
| Bengkulu | Chronic respiratory diseases                  | 20  | 435.5 (251.5, 722.5)       | 0.005053 (0.0029184, 0.0083843) | 317.1 (171.9, 504.7)     | 0.003777 (0.0020471, 0.0060108) |
| Bengkulu | Other non-communicable diseases               | 20  | 896.5 (580.3, 1,309.2)     | 0.010403 (0.0067335, 0.0151928) | 876.6 (607.5, 1,220.5)   | 0.010441 (0.0072353, 0.0145371) |
| Bengkulu | Drowning                                      | 20  | 243.7 (112.0, 495.7)       | 0.002828 (0.0012997, 0.0057517) | 66.5 (27.5, 141.0)       | 0.000792 (0.0003278, 0.0016797) |
| Bengkulu | Falls                                         | 20  | 118.4 (51.1, 219.9)        | 0.001374 (0.0005930, 0.0025512) | 45.9 (18.4, 92.3)        | 0.000547 (0.0002191, 0.0010992) |
| Bengkulu | Interpersonal violence                        | 20  | 168.1 (92.2, 288.0)        | 0.001951 (0.0010704, 0.0033426) | 126.2 (62.6, 228.6)      | 0.001504 (0.0007456, 0.0027226) |
| Bengkulu | Self-harm                                     | 20  | 251.1 (136.8, 423.9)       | 0.002914 (0.0015879, 0.0049194) | 164.5 (80.0, 292.4)      | 0.001960 (0.0009533, 0.0034828) |
| Bengkulu | Transport injuries                            | 20  | 2,655.8 (1,834.2, 3,756.7) | 0.030819 (0.0212849, 0.0435944) | 930.0 (575.5, 1,409.5)   | 0.011077 (0.0068545, 0.0167884) |
| Bengkulu | Other unintentional injuries                  | 20  | 617.1 (358.7, 1,002.7)     | 0.007161 (0.0041621, 0.0116360) | 251.3 (130.3, 422.3)     | 0.002993 (0.0015515, 0.0050295) |
| Bengkulu | Diarrheal diseases                            | 25  | 290.7 (139.2, 526.1)       | 0.003358 (0.0016077, 0.0060766) | 253.4 (127.2, 453.1)     | 0.002941 (0.0014756, 0.0052583) |
| Bengkulu | HIV/AIDS                                      | 25  | 126.1 (30.6, 327.0)        | 0.001456 (0.0003535, 0.0037771) | 76.8 (19.1, 205.6)       | 0.000891 (0.0002217, 0.0023854) |
| Bengkulu | Lower respiratory infections                  | 25  | 190.0 (76.2, 363.4)        | 0.002195 (0.0008806, 0.0041973) | 91.1 (35.0, 184.5)       | 0.001057 (0.0004059, 0.0021410) |
| Bengkulu | Malaria                                       | 25  | 453.9 (145.9, 1,004.9)     | 0.005243 (0.0016856, 0.0116065) | 290.4 (87.0, 646.8)      | 0.003370 (0.0010094, 0.0075061) |
| Bengkulu | Tuberculosis                                  | 25  | 1,499.0 (974.4, 2,192.2)   | 0.017314 (0.0112541, 0.0253210) | 720.4 (429.0, 1,114.6)   | 0.008360 (0.0049778, 0.0129343) |
| Bengkulu | Maternal disorders                            | 25  |                            |                                 | 801.8 (488.8, 1,193.2)   | 0.009304 (0.0056719, 0.0138466) |
| Bengkulu | Other communicable diseases                   | 25  | 1,040.4 (547.9, 1,648.8)   | 0.012017 (0.0063280, 0.0190445) | 621.0 (326.7, 979.6)     | 0.007206 (0.0037913, 0.0113677) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 25  | 113.3 (28.4, 285.1)        | 0.001309 (0.0003276, 0.0032935) | 126.9 (41.8, 301.5)      | 0.001472 (0.0004849, 0.0034983) |
| Bengkulu | Breast cancer                                 | 25  | 2.4 (0.5, 7.8)             | 0.000027 (0.0000053, 0.0000898) | 439.6 (205.4, 817.5)     | 0.005101 (0.0023833, 0.0094869) |
| Bengkulu | Cervical cancer                               | 25  |                            |                                 | 173.1 (34.4, 412.2)      | 0.002009 (0.0003994, 0.0047834) |
| Bengkulu | Other malignant neoplasms                     | 25  | 467.2 (272.4, 751.3)       | 0.005397 (0.0031461, 0.0086783) | 637.1 (340.5, 1,032.1)   | 0.007393 (0.0039513, 0.0119764) |
| Bengkulu | Cerebrovascular disease                       | 25  | 719.8 (486.1, 1,048.8)     | 0.008314 (0.0056152, 0.0121136) | 730.5 (488.0, 1,038.5)   | 0.008478 (0.0056629, 0.0120513) |
| Bengkulu | Ischemic heart disease                        | 25  | 785.7 (492.6, 1,179.1)     | 0.009075 (0.0056897, 0.0136190) | 489.2 (301.4, 747.7)     | 0.005677 (0.0034973, 0.0086770) |
| Bengkulu | Other cardiovascular and circulatory diseases | 25  | 229.8 (113.2, 407.0)       | 0.002655 (0.0013074, 0.0047007) | 307.5 (158.6, 530.0)     | 0.003568 (0.0018401, 0.0061498) |
| Bengkulu | Diabetes mellitus                             | 25  | 127.8 (71.9, 217.5)        | 0.001477 (0.0008300, 0.0025123) | 261.2 (155.0, 434.2)     | 0.003031 (0.0017991, 0.0050387) |
| Bengkulu | Chronic kidney disease                        | 25  | 509.8 (317.3, 785.3)       | 0.005889 (0.0036649, 0.0090702) | 544.9 (337.1, 786.3)     | 0.006323 (0.0039115, 0.0091241) |
| Bengkulu | Cirrhosis                                     | 25  | 490.2 (289.1, 782.5)       | 0.005663 (0.0033393, 0.0090380) | 312.5 (174.6, 517.9)     | 0.003627 (0.0020259, 0.0060101) |
| Bengkulu | Chronic respiratory diseases                  | 25  | 519.1 (295.2, 845.4)       | 0.005996 (0.0034096, 0.0097644) | 421.2 (234.7, 681.3)     | 0.004887 (0.0027230, 0.0079057) |
| Bengkulu | Other non-communicable diseases               | 25  | 967.2 (667.9, 1,410.1)     | 0.011172 (0.0077149, 0.0162875) | 1,021.9 (696.5, 1,420.7) | 0.011859 (0.0080825, 0.0164861) |
| Bengkulu | Drowning                                      | 25  | 149.3 (59.7, 317.9)        | 0.001725 (0.0006900, 0.0036720) | 44.1 (16.9, 96.2)        | 0.000512 (0.0001965, 0.0011168) |
| Bengkulu | Falls                                         | 25  | 156.8 (69.7, 300.1)        | 0.001811 (0.0008047, 0.0034667) | 64.7 (27.9, 133.5)       | 0.000751 (0.0003240, 0.0015489) |
| Bengkulu | Interpersonal violence                        | 25  | 158.5 (87.2, 275.5)        | 0.001831 (0.0010070, 0.0031821) | 118.2 (56.4, 216.3)      | 0.001372 (0.0006548, 0.0025097) |
| Bengkulu | Self-harm                                     | 25  | 219.5 (115.8, 371.6)       | 0.002536 (0.0013372, 0.0042925) | 140.8 (69.4, 242.3)      | 0.001634 (0.0008048, 0.0028120) |
| Bengkulu | Transport injuries                            | 25  | 1,698.5 (1,066.7, 2,608.9) | 0.019618 (0.0123203, 0.0301334) | 574.1 (312.9, 966.9)     | 0.006663 (0.0036313, 0.0112197) |
| Bengkulu | Other unintentional injuries                  | 25  | 685.2 (401.8, 1,095.1)     | 0.007915 (0.0046411, 0.0126485) | 285.8 (147.1, 475.6)     | 0.003317 (0.0017072, 0.0055189) |
| Bengkulu | Diarrheal diseases                            | 30  | 296.2 (135.9, 532.2)       | 0.003631 (0.0016652, 0.0065235) | 284.0 (134.8, 496.1)     | 0.003628 (0.0017227, 0.0063389) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bengkulu | HIV/AIDS                                      | 30  | 113.6 (29.8, 295.3)        | 0.001393 (0.0003653, 0.0036188) | 77.7 (21.0, 198.9)         | 0.000993 (0.0002679, 0.0025416) |
| Bengkulu | Lower respiratory infections                  | 30  | 157.2 (63.5, 316.1)        | 0.001927 (0.0007781, 0.0038748) | 89.3 (33.4, 185.4)         | 0.001141 (0.0004267, 0.0023688) |
| Bengkulu | Malaria                                       | 30  | 353.4 (110.3, 788.2)       | 0.004332 (0.0013520, 0.0096605) | 225.9 (69.4, 514.3)        | 0.002887 (0.0008865, 0.0065718) |
| Bengkulu | Tuberculosis                                  | 30  | 1,322.9 (837.7, 1,973.6)   | 0.016215 (0.0102673, 0.0241897) | 670.3 (394.6, 1,039.1)     | 0.008565 (0.0050425, 0.0132764) |
| Bengkulu | Maternal disorders                            | 30  |                            |                                 | 745.8 (442.5, 1,109.4)     | 0.009530 (0.0056537, 0.0141751) |
| Bengkulu | Other communicable diseases                   | 30  | 672.1 (322.0, 1,128.6)     | 0.008238 (0.0039460, 0.0138328) | 453.1 (220.1, 732.0)       | 0.005790 (0.0028121, 0.0093532) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 30  | 215.8 (69.6, 515.6)        | 0.002645 (0.0008527, 0.0063188) | 135.8 (47.2, 300.9)        | 0.001735 (0.0006030, 0.0038450) |
| Bengkulu | Breast cancer                                 | 30  | 2.9 (0.5, 11.6)            | 0.000036 (0.0000057, 0.0001420) | 631.9 (319.8, 1,101.5)     | 0.008074 (0.0040861, 0.0140741) |
| Bengkulu | Cervical cancer                               | 30  |                            |                                 | 262.2 (59.3, 580.3)        | 0.003350 (0.0007577, 0.0074145) |
| Bengkulu | Other malignant neoplasms                     | 30  | 559.0 (333.4, 910.0)       | 0.006851 (0.0040862, 0.0111537) | 616.4 (317.0, 1,044.5)     | 0.007876 (0.0040509, 0.0133463) |
| Bengkulu | Cerebrovascular disease                       | 30  | 1,015.7 (708.1, 1,459.4)   | 0.012449 (0.0086790, 0.0178875) | 1,107.4 (760.3, 1,546.2)   | 0.014150 (0.0097149, 0.0197568) |
| Bengkulu | Ischemic heart disease                        | 30  | 1,028.2 (667.8, 1,517.0)   | 0.012602 (0.0081849, 0.0185930) | 662.7 (427.2, 973.0)       | 0.008468 (0.0054579, 0.0124319) |
| Bengkulu | Other cardiovascular and circulatory diseases | 30  | 252.4 (125.2, 432.3)       | 0.003093 (0.0015346, 0.0052989) | 352.4 (183.4, 602.7)       | 0.004503 (0.0023435, 0.0077011) |
| Bengkulu | Diabetes mellitus                             | 30  | 194.5 (118.0, 306.4)       | 0.002384 (0.0014457, 0.0037550) | 402.7 (251.7, 627.1)       | 0.005145 (0.0032163, 0.0080121) |
| Bengkulu | Chronic kidney disease                        | 30  | 514.5 (324.4, 787.3)       | 0.006305 (0.0039765, 0.0096493) | 547.4 (343.1, 785.6)       | 0.006995 (0.0043840, 0.0100384) |
| Bengkulu | Cirrhosis                                     | 30  | 591.4 (354.1, 951.0)       | 0.007248 (0.0043398, 0.0116563) | 407.6 (233.9, 652.0)       | 0.005208 (0.0029888, 0.0083308) |
| Bengkulu | Chronic respiratory diseases                  | 30  | 471.7 (262.2, 785.2)       | 0.005781 (0.0032135, 0.0096239) | 411.4 (230.1, 649.0)       | 0.005256 (0.0029406, 0.0082929) |
| Bengkulu | Other non-communicable diseases               | 30  | 904.8 (612.9, 1,327.8)     | 0.011090 (0.0075119, 0.0162739) | 1,016.0 (689.3, 1,423.6)   | 0.012981 (0.0088073, 0.0181902) |
| Bengkulu | Drowning                                      | 30  | 152.4 (69.7, 307.2)        | 0.001868 (0.0008547, 0.0037647) | 60.6 (24.1, 126.8)         | 0.000775 (0.0003079, 0.0016197) |
| Bengkulu | Falls                                         | 30  | 171.8 (77.6, 335.9)        | 0.002106 (0.0009512, 0.0041168) | 89.3 (37.6, 176.0)         | 0.001141 (0.0004799, 0.0022488) |
| Bengkulu | Interpersonal violence                        | 30  | 114.7 (60.2, 205.4)        | 0.001406 (0.0007384, 0.0025169) | 89.2 (42.8, 165.3)         | 0.001139 (0.0005472, 0.0021120) |
| Bengkulu | Self-harm                                     | 30  | 155.9 (81.8, 269.9)        | 0.001911 (0.0010020, 0.0033078) | 101.3 (50.8, 176.3)        | 0.001295 (0.0006495, 0.0022530) |
| Bengkulu | Transport injuries                            | 30  | 1,348.1 (819.1, 2,078.7)   | 0.016522 (0.0100392, 0.0254774) | 535.2 (296.6, 883.6)       | 0.006839 (0.0037897, 0.0112906) |
| Bengkulu | Other unintentional injuries                  | 30  | 581.3 (337.0, 989.9)       | 0.007124 (0.0041305, 0.0121329) | 274.8 (138.9, 482.5)       | 0.003512 (0.0017752, 0.0061651) |
| Bengkulu | Diarrheal diseases                            | 35  | 228.3 (104.5, 404.8)       | 0.003211 (0.0014699, 0.0056930) | 328.2 (160.6, 581.2)       | 0.004830 (0.0023645, 0.0085549) |
| Bengkulu | HIV/AIDS                                      | 35  | 88.3 (21.9, 246.7)         | 0.001242 (0.0003074, 0.0034701) | 82.0 (20.7, 206.8)         | 0.001207 (0.0003041, 0.0030444) |
| Bengkulu | Lower respiratory infections                  | 35  | 146.6 (56.1, 289.2)        | 0.002062 (0.0007896, 0.0040673) | 118.3 (43.4, 244.2)        | 0.001741 (0.0006381, 0.0035936) |
| Bengkulu | Malaria                                       | 35  | 277.4 (87.8, 606.6)        | 0.003901 (0.0012352, 0.0085317) | 246.6 (69.3, 552.5)        | 0.003630 (0.0010204, 0.0081320) |
| Bengkulu | Tuberculosis                                  | 35  | 1,253.9 (803.3, 1,874.5)   | 0.017634 (0.0112975, 0.0263619) | 827.9 (472.4, 1,298.9)     | 0.012185 (0.0069532, 0.0191184) |
| Bengkulu | Maternal disorders                            | 35  |                            |                                 | 470.9 (264.6, 760.7)       | 0.006932 (0.0038942, 0.0111964) |
| Bengkulu | Other communicable diseases                   | 35  | 523.6 (253.2, 904.0)       | 0.007364 (0.0035611, 0.0127139) | 541.3 (268.0, 902.1)       | 0.007967 (0.0039452, 0.0132784) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 35  | 150.4 (47.5, 352.8)        | 0.002115 (0.0006674, 0.0049613) | 172.4 (62.8, 375.5)        | 0.002538 (0.0009247, 0.0055268) |
| Bengkulu | Breast cancer                                 | 35  | 4.9 (0.8, 17.2)            | 0.000069 (0.0000119, 0.0002414) | 893.2 (462.9, 1,547.4)     | 0.013147 (0.0068133, 0.0227758) |
| Bengkulu | Cervical cancer                               | 35  |                            |                                 | 403.7 (100.3, 879.1)       | 0.005943 (0.0014765, 0.0129390) |
| Bengkulu | Other malignant neoplasms                     | 35  | 684.0 (406.1, 1,099.9)     | 0.009620 (0.0057110, 0.0154682) | 657.3 (318.7, 1,150.4)     | 0.009674 (0.0046902, 0.0169323) |
| Bengkulu | Cerebrovascular disease                       | 35  | 1,433.4 (1,034.5, 1,996.7) | 0.020159 (0.0145487, 0.0280807) | 1,766.6 (1,217.3, 2,502.6) | 0.026002 (0.0179174, 0.0368353) |
| Bengkulu | Ischemic heart disease                        | 35  | 1,337.7 (906.4, 1,958.2)   | 0.018813 (0.0127469, 0.0275394) | 965.3 (621.8, 1,419.3)     | 0.014208 (0.0091525, 0.0208905) |
| Bengkulu | Other cardiovascular and circulatory diseases | 35  | 291.7 (149.4, 497.3)       | 0.004103 (0.0021007, 0.0069938) | 449.3 (231.3, 767.5)       | 0.006614 (0.0034047, 0.0112971) |
| Bengkulu | Diabetes mellitus                             | 35  | 333.6 (212.6, 495.0)       | 0.004692 (0.0029906, 0.0069614) | 740.2 (462.7, 1,128.2)     | 0.010895 (0.0068103, 0.0166063) |
| Bengkulu | Chronic kidney disease                        | 35  | 560.4 (358.4, 858.8)       | 0.007881 (0.0050405, 0.0120785) | 636.6 (393.7, 934.2)       | 0.009370 (0.0057943, 0.0137502) |
| Bengkulu | Cirrhosis                                     | 35  | 672.7 (406.5, 1,079.1)     | 0.009460 (0.0057170, 0.0151756) | 525.1 (300.9, 843.3)       | 0.007728 (0.0044287, 0.0124128) |
| Bengkulu | Chronic respiratory diseases                  | 35  | 522.0 (296.8, 847.7)       | 0.007342 (0.0041737, 0.0119219) | 464.4 (260.6, 754.3)       | 0.006835 (0.0038361, 0.0111029) |
| Bengkulu | Other non-communicable diseases               | 35  | 844.5 (577.9, 1,228.7)     | 0.011877 (0.0081275, 0.0172807) | 1,064.9 (699.8, 1,527.7)   | 0.015674 (0.0103000, 0.0224853) |
| Bengkulu | Drowning                                      | 35  | 168.7 (73.3, 329.7)        | 0.002372 (0.0010305, 0.0046366) | 90.3 (37.1, 190.1)         | 0.001330 (0.0005461, 0.0027982) |
| Bengkulu | Falls                                         | 35  | 155.3 (70.5, 308.7)        | 0.002184 (0.0009914, 0.0043417) | 103.5 (44.3, 204.3)        | 0.001524 (0.0006520, 0.0030072) |
| Bengkulu | Interpersonal violence                        | 35  | 91.0 (47.0, 159.0)         | 0.001280 (0.0006616, 0.0022366) | 78.9 (38.6, 149.9)         | 0.001161 (0.0005688, 0.0022057) |
| Bengkulu | Self-harm                                     | 35  | 133.3 (69.6, 229.3)        | 0.001875 (0.0009790, 0.0032246) | 94.5 (46.3, 171.9)         | 0.001392 (0.0006821, 0.0025299) |
| Bengkulu | Transport injuries                            | 35  | 983.9 (566.1, 1,582.5)     | 0.013838 (0.0079614, 0.0222563) | 470.6 (241.5, 816.6)       | 0.006927 (0.0035544, 0.0120189) |
| Bengkulu | Other unintentional injuries                  | 35  | 499.1 (285.9, 861.5)       | 0.007019 (0.0040212, 0.0121161) | 278.9 (141.0, 484.9)       | 0.004105 (0.0020748, 0.0071365) |
| Bengkulu | Diarrheal diseases                            | 40  | 238.6 (107.0, 419.6)       | 0.003849 (0.0017256, 0.0067679) | 378.8 (192.2, 639.6)       | 0.006444 (0.0032696, 0.0108806) |
| Bengkulu | HIV/AIDS                                      | 40  | 40.8 (9.4, 112.4)          | 0.000657 (0.0001524, 0.0018129) | 41.8 (9.9, 112.2)          | 0.000712 (0.0001690, 0.0019085) |
| Bengkulu | Lower respiratory infections                  | 40  | 127.7 (49.9, 259.7)        | 0.002060 (0.0008054, 0.0041897) | 124.6 (46.7, 259.5)        | 0.002119 (0.0007949, 0.0044154) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bengkulu | Malaria                                       | 40  | 267.4 (84.7, 578.3)        | 0.004313 (0.0013663, 0.0093275) | 235.1 (68.0, 534.3)        | 0.003999 (0.0011568, 0.0090889) |
| Bengkulu | Tuberculosis                                  | 40  | 1,017.6 (632.3, 1,521.8)   | 0.016413 (0.0101984, 0.0245464) | 719.5 (412.4, 1,114.1)     | 0.012240 (0.0070157, 0.0189522) |
| Bengkulu | Maternal disorders                            | 40  |                            |                                 | 92.8 (43.6, 175.5)         | 0.001578 (0.0007412, 0.0029851) |
| Bengkulu | Other communicable diseases                   | 40  | 490.5 (241.4, 815.3)       | 0.007912 (0.0038933, 0.0131514) | 579.4 (285.7, 913.6)       | 0.009857 (0.0048605, 0.0155419) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 40  | 269.7 (102.0, 563.2)       | 0.004351 (0.0016450, 0.0090842) | 182.1 (68.0, 389.2)        | 0.003098 (0.0011569, 0.0066214) |
| Bengkulu | Breast cancer                                 | 40  | 9.8 (2.2, 28.7)            | 0.000157 (0.0000350, 0.0004621) | 962.9 (489.5, 1,696.5)     | 0.016381 (0.0083276, 0.0288608) |
| Bengkulu | Cervical cancer                               | 40  |                            |                                 | 455.9 (115.9, 1,005.4)     | 0.007756 (0.0019719, 0.0171028) |
| Bengkulu | Other malignant neoplasms                     | 40  | 897.7 (544.7, 1,410.4)     | 0.014481 (0.0087860, 0.0227505) | 590.9 (291.1, 1,060.7)     | 0.010052 (0.0049527, 0.0180439) |
| Bengkulu | Cerebrovascular disease                       | 40  | 2,132.7 (1,593.4, 2,930.0) | 0.034400 (0.0257008, 0.0472615) | 2,464.2 (1,762.7, 3,338.7) | 0.041920 (0.0299863, 0.0567972) |
| Bengkulu | Ischemic heart disease                        | 40  | 1,859.9 (1,302.2, 2,644.9) | 0.029999 (0.0210052, 0.0426618) | 1,300.3 (865.2, 1,866.6)   | 0.022121 (0.0147190, 0.0317537) |
| Bengkulu | Other cardiovascular and circulatory diseases | 40  | 395.4 (207.0, 670.6)       | 0.006378 (0.0033395, 0.0108169) | 531.9 (282.5, 902.8)       | 0.009048 (0.0048055, 0.0153578) |
| Bengkulu | Diabetes mellitus                             | 40  | 671.9 (451.7, 989.1)       | 0.010838 (0.0072851, 0.0159538) | 1,286.7 (843.0, 1,866.7)   | 0.021890 (0.0143401, 0.0317564) |
| Bengkulu | Chronic kidney disease                        | 40  | 689.0 (434.8, 1,029.5)     | 0.011113 (0.0070134, 0.0166055) | 672.1 (417.9, 979.9)       | 0.011434 (0.0071093, 0.0166706) |
| Bengkulu | Cirrhosis                                     | 40  | 801.2 (482.8, 1,246.2)     | 0.012923 (0.0077882, 0.0201006) | 586.1 (347.0, 936.8)       | 0.009971 (0.0059038, 0.0159372) |
| Bengkulu | Chronic respiratory diseases                  | 40  | 578.6 (329.7, 916.5)       | 0.009332 (0.0053179, 0.0147832) | 447.0 (256.5, 723.0)       | 0.007604 (0.0043627, 0.0122994) |
| Bengkulu | Other non-communicable diseases               | 40  | 875.9 (604.8, 1,281.4)     | 0.014129 (0.0097558, 0.0206685) | 1,007.5 (674.2, 1,430.9)   | 0.017140 (0.0114700, 0.0243419) |
| Bengkulu | Drowning                                      | 40  | 85.2 (35.0, 171.1)         | 0.001374 (0.0005651, 0.0027601) | 52.6 (20.6, 109.8)         | 0.000895 (0.0003505, 0.0018686) |
| Bengkulu | Falls                                         | 40  | 129.9 (54.4, 262.0)        | 0.002095 (0.0008770, 0.0042260) | 93.7 (40.2, 188.9)         | 0.001594 (0.0006831, 0.0032131) |
| Bengkulu | Interpersonal violence                        | 40  | 67.6 (32.7, 122.4)         | 0.001090 (0.0005267, 0.0019751) | 51.3 (23.5, 95.8)          | 0.000873 (0.0003990, 0.0016303) |
| Bengkulu | Self-harm                                     | 40  | 112.3 (56.2, 198.6)        | 0.001811 (0.0009068, 0.0032026) | 67.7 (32.4, 123.5)         | 0.001152 (0.0005519, 0.0021016) |
| Bengkulu | Transport injuries                            | 40  | 756.0 (435.8, 1,244.4)     | 0.012194 (0.0070291, 0.0200727) | 364.2 (187.5, 620.9)       | 0.006196 (0.0031896, 0.0105620) |
| Bengkulu | Other unintentional injuries                  | 40  | 381.8 (211.5, 649.1)       | 0.006159 (0.0034109, 0.0104703) | 204.8 (102.7, 361.0)       | 0.003484 (0.0017477, 0.0061416) |
| Bengkulu | Diarrheal diseases                            | 45  | 231.5 (109.4, 418.0)       | 0.004318 (0.0020404, 0.0077956) | 417.3 (217.2, 716.6)       | 0.008378 (0.0043609, 0.0143857) |
| Bengkulu | HIV/AIDS                                      | 45  | 19.5 (4.5, 57.0)           | 0.000363 (0.0000835, 0.0010628) | 22.4 (5.2, 61.8)           | 0.000449 (0.0001034, 0.0012398) |
| Bengkulu | Lower respiratory infections                  | 45  | 141.3 (55.0, 284.3)        | 0.002636 (0.0010254, 0.0053032) | 162.3 (64.0, 332.3)        | 0.003258 (0.0012850, 0.0066717) |
| Bengkulu | Malaria                                       | 45  | 230.6 (69.8, 505.3)        | 0.004300 (0.0013014, 0.0094235) | 205.9 (54.8, 499.8)        | 0.004133 (0.0010996, 0.0100343) |
| Bengkulu | Tuberculosis                                  | 45  | 1,018.0 (618.0, 1,485.7)   | 0.018985 (0.0115264, 0.0277091) | 740.7 (416.9, 1,135.4)     | 0.014869 (0.0083695, 0.0227928) |
| Bengkulu | Maternal disorders                            | 45  |                            |                                 | 32.1 (13.3, 61.0)          | 0.000643 (0.0002673, 0.0012247) |
| Bengkulu | Other communicable diseases                   | 45  | 407.6 (192.7, 701.9)       | 0.007601 (0.0035933, 0.0130903) | 565.9 (293.0, 907.7)       | 0.011361 (0.0058810, 0.0182224) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 45  | 359.4 (152.6, 681.5)       | 0.006703 (0.0028457, 0.0127095) | 199.3 (74.3, 419.4)        | 0.004000 (0.0014910, 0.0084186) |
| Bengkulu | Breast cancer                                 | 45  | 11.3 (2.9, 31.3)           | 0.000211 (0.0000543, 0.0005845) | 940.8 (492.5, 1,608.1)     | 0.018887 (0.0098864, 0.0322820) |
| Bengkulu | Cervical cancer                               | 45  |                            |                                 | 446.1 (119.4, 952.4)       | 0.008955 (0.0023966, 0.0191199) |
| Bengkulu | Other malignant neoplasms                     | 45  | 813.7 (495.9, 1,303.8)     | 0.015176 (0.0092481, 0.0243168) | 558.7 (267.3, 1,013.4)     | 0.011216 (0.0053658, 0.0203430) |
| Bengkulu | Cerebrovascular disease                       | 45  | 2,743.6 (2,060.2, 3,677.4) | 0.051170 (0.0384240, 0.0685848) | 3,282.0 (2,427.2, 4,341.4) | 0.065886 (0.0487249, 0.0871521) |
| Bengkulu | Ischemic heart disease                        | 45  | 2,188.4 (1,530.1, 3,049.0) | 0.040815 (0.0285370, 0.0568658) | 1,498.8 (1,011.0, 2,116.5) | 0.030089 (0.0202963, 0.0424886) |
| Bengkulu | Other cardiovascular and circulatory diseases | 45  | 470.8 (250.9, 786.7)       | 0.008781 (0.0046801, 0.0146724) | 644.9 (351.5, 1,061.1)     | 0.012947 (0.0070553, 0.0213022) |
| Bengkulu | Diabetes mellitus                             | 45  | 1,026.2 (694.9, 1,504.2)   | 0.019139 (0.0129607, 0.0280539) | 1,942.5 (1,332.2, 2,698.7) | 0.038995 (0.0267427, 0.0541761) |
| Bengkulu | Chronic kidney disease                        | 45  | 710.2 (451.8, 1,064.4)     | 0.013245 (0.0084263, 0.0198516) | 680.2 (433.9, 983.8)       | 0.013656 (0.0087108, 0.0197490) |
| Bengkulu | Cirrhosis                                     | 45  | 782.2 (476.0, 1,228.5)     | 0.014589 (0.0088770, 0.0229129) | 612.1 (352.3, 983.7)       | 0.012287 (0.0070729, 0.0197479) |
| Bengkulu | Chronic respiratory diseases                  | 45  | 675.8 (396.8, 1,047.7)     | 0.012604 (0.0074013, 0.0195407) | 559.4 (332.8, 884.7)       | 0.011231 (0.0066801, 0.0177607) |
| Bengkulu | Other non-communicable diseases               | 45  | 814.9 (559.7, 1,187.4)     | 0.015198 (0.0104390, 0.0221451) | 968.8 (653.2, 1,357.4)     | 0.019449 (0.0131127, 0.0272485) |
| Bengkulu | Drowning                                      | 45  | 53.9 (19.7, 116.3)         | 0.001006 (0.0003673, 0.0021696) | 43.2 (15.7, 94.4)          | 0.000868 (0.0003153, 0.0018956) |
| Bengkulu | Falls                                         | 45  | 135.2 (57.8, 255.7)        | 0.002522 (0.0010783, 0.0047685) | 118.2 (50.3, 237.3)        | 0.002374 (0.0010090, 0.0047632) |
| Bengkulu | Interpersonal violence                        | 45  | 55.6 (25.4, 97.4)          | 0.001037 (0.0004737, 0.0018172) | 41.8 (19.0, 77.5)          | 0.000839 (0.0003812, 0.0015567) |
| Bengkulu | Self-harm                                     | 45  | 105.3 (50.6, 189.8)        | 0.001965 (0.0009436, 0.0035395) | 60.9 (29.5, 107.3)         | 0.001222 (0.0005928, 0.0021547) |
| Bengkulu | Transport injuries                            | 45  | 715.8 (391.7, 1,171.3)     | 0.013350 (0.0073058, 0.0218444) | 393.1 (204.4, 683.8)       | 0.007891 (0.0041033, 0.0137271) |
| Bengkulu | Other unintentional injuries                  | 45  | 339.5 (183.2, 583.9)       | 0.006332 (0.0034175, 0.0108902) | 197.1 (97.6, 352.9)        | 0.003956 (0.0019598, 0.0070843) |
| Bengkulu | Diarrheal diseases                            | 50  | 294.4 (133.4, 523.5)       | 0.006751 (0.0030583, 0.0120037) | 457.7 (249.8, 757.0)       | 0.012479 (0.0068120, 0.0206388) |
| Bengkulu | HIV/AIDS                                      | 50  | 7.8 (1.8, 24.1)            | 0.000179 (0.0000409, 0.0005531) | 7.8 (1.8, 22.9)            | 0.000211 (0.0000480, 0.0006242) |
| Bengkulu | Lower respiratory infections                  | 50  | 179.0 (67.9, 346.2)        | 0.004104 (0.0015558, 0.0079384) | 176.8 (72.4, 346.7)        | 0.004821 (0.0019748, 0.0094540) |
| Bengkulu | Malaria                                       | 50  | 215.3 (67.2, 485.4)        | 0.004936 (0.0015407, 0.0111302) | 162.8 (43.0, 399.0)        | 0.004438 (0.0011711, 0.0108776) |
| Bengkulu | Tuberculosis                                  | 50  | 1,051.3 (642.8, 1,590.3)   | 0.024105 (0.0147391, 0.0364625) | 642.1 (362.1, 1,019.7)     | 0.017508 (0.0098727, 0.0278027) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bengkulu | Maternal disorders                            | 50  |                            |                                 | 11.9 (3.5, 31.6)           | 0.000324 (0.0000965, 0.0008629) |
| Bengkulu | Other communicable diseases                   | 50  | 400.1 (187.7, 670.2)       | 0.009174 (0.0043035, 0.0153669) | 482.9 (242.0, 777.9)       | 0.013166 (0.0065974, 0.0212105) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 50  | 360.6 (150.3, 708.8)       | 0.008268 (0.0034460, 0.0162527) | 178.0 (66.7, 377.5)        | 0.004852 (0.0018196, 0.0102936) |
| Bengkulu | Breast cancer                                 | 50  | 9.5 (2.9, 24.0)            | 0.000218 (0.0000676, 0.0005505) | 630.7 (317.9, 1,131.7)     | 0.017196 (0.0086669, 0.0308557) |
| Bengkulu | Cervical cancer                               | 50  |                            |                                 | 339.8 (88.8, 746.4)        | 0.009265 (0.0024208, 0.0203509) |
| Bengkulu | Other malignant neoplasms                     | 50  | 650.4 (391.6, 1,045.5)     | 0.014912 (0.0089793, 0.0239710) | 442.2 (211.8, 805.1)       | 0.012057 (0.0057739, 0.0219511) |
| Bengkulu | Cerebrovascular disease                       | 50  | 3,496.2 (2,631.3, 4,608.3) | 0.080165 (0.0603324, 0.1056632) | 3,603.7 (2,712.0, 4,656.4) | 0.098257 (0.0739443, 0.1269587) |
| Bengkulu | Ischemic heart disease                        | 50  | 2,546.7 (1,765.2, 3,504.5) | 0.058393 (0.0404730, 0.0803538) | 1,486.9 (1,006.5, 2,096.5) | 0.040541 (0.0274429, 0.0571632) |
| Bengkulu | Other cardiovascular and circulatory diseases | 50  | 580.3 (319.1, 977.7)       | 0.013306 (0.0073163, 0.0224182) | 688.7 (382.0, 1,119.1)     | 0.018779 (0.0104151, 0.0305119) |
| Bengkulu | Diabetes mellitus                             | 50  | 1,304.7 (878.3, 1,888.3)   | 0.029915 (0.0201383, 0.0432953) | 2,114.0 (1,485.7, 2,958.2) | 0.057639 (0.0405070, 0.0806571) |
| Bengkulu | Chronic kidney disease                        | 50  | 708.3 (454.6, 1,051.6)     | 0.016240 (0.0104235, 0.0241130) | 584.1 (379.2, 834.5)       | 0.015926 (0.0103381, 0.0227524) |
| Bengkulu | Cirrhosis                                     | 50  | 799.1 (483.5, 1,256.7)     | 0.018323 (0.0110869, 0.0288149) | 546.6 (316.9, 869.8)       | 0.014903 (0.0086404, 0.0237157) |
| Bengkulu | Chronic respiratory diseases                  | 50  | 843.4 (506.6, 1,294.5)     | 0.019338 (0.0116167, 0.0296809) | 599.6 (368.4, 934.2)       | 0.016349 (0.0100440, 0.0254719) |
| Bengkulu | Other non-communicable diseases               | 50  | 816.8 (552.2, 1,182.2)     | 0.018728 (0.0126607, 0.0271060) | 842.6 (582.1, 1,198.9)     | 0.022974 (0.0158708, 0.0326898) |
| Bengkulu | Drowning                                      | 50  | 40.0 (14.6, 89.9)          | 0.000916 (0.0003347, 0.0020614) | 28.0 (9.3, 62.0)           | 0.000763 (0.0002543, 0.0016899) |
| Bengkulu | Falls                                         | 50  | 153.5 (68.7, 295.0)        | 0.003519 (0.0015741, 0.0067647) | 115.4 (53.2, 231.4)        | 0.003146 (0.0014506, 0.0063085) |
| Bengkulu | Interpersonal violence                        | 50  | 40.9 (19.4, 76.3)          | 0.000938 (0.0004450, 0.0017505) | 25.6 (11.6, 48.3)          | 0.000699 (0.0003161, 0.0013180) |
| Bengkulu | Self-harm                                     | 50  | 85.8 (41.3, 157.1)         | 0.001968 (0.0009469, 0.0036017) | 40.9 (19.5, 75.1)          | 0.001116 (0.0005318, 0.0020476) |
| Bengkulu | Transport injuries                            | 50  | 556.1 (300.3, 916.9)       | 0.012751 (0.0068854, 0.0210224) | 258.2 (130.7, 453.3)       | 0.007040 (0.0035637, 0.0123606) |
| Bengkulu | Other unintentional injuries                  | 50  | 269.9 (141.4, 476.9)       | 0.006188 (0.0032412, 0.0109347) | 131.7 (65.8, 231.0)        | 0.003590 (0.0017932, 0.0062987) |
| Bengkulu | Diarrheal diseases                            | 55  | 260.4 (124.2, 458.6)       | 0.009327 (0.0044485, 0.0164260) | 393.7 (215.2, 633.2)       | 0.016592 (0.0090699, 0.0266846) |
| Bengkulu | HIV/AIDS                                      | 55  | 2.5 (0.5, 7.8)             | 0.000088 (0.0000190, 0.0002799) | 2.5 (0.5, 7.7)             | 0.000105 (0.0000210, 0.0003225) |
| Bengkulu | Lower respiratory infections                  | 55  | 142.2 (56.8, 283.9)        | 0.005095 (0.0020364, 0.0101692) | 147.0 (60.0, 281.6)        | 0.006197 (0.0025269, 0.0118673) |
| Bengkulu | Malaria                                       | 55  | 169.6 (47.9, 385.0)        | 0.006075 (0.0017172, 0.0137921) | 118.7 (30.5, 290.9)        | 0.005002 (0.0012847, 0.0122580) |
| Bengkulu | Tuberculosis                                  | 55  | 697.7 (401.8, 1,059.6)     | 0.024991 (0.0143924, 0.0379553) | 421.5 (228.8, 683.7)       | 0.017764 (0.0096423, 0.0288109) |
| Bengkulu | Other communicable diseases                   | 55  | 311.7 (156.0, 520.7)       | 0.011167 (0.0055892, 0.0186509) | 373.1 (196.1, 588.7)       | 0.015722 (0.0082647, 0.0248106) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 55  | 344.5 (145.7, 657.7)       | 0.012341 (0.0052190, 0.0235612) | 116.6 (44.4, 248.5)        | 0.004914 (0.0018716, 0.0104732) |
| Bengkulu | Breast cancer                                 | 55  | 6.6 (2.1, 15.9)            | 0.000236 (0.0000758, 0.0005697) | 370.5 (176.0, 669.3)       | 0.015613 (0.0074170, 0.0282043) |
| Bengkulu | Cervical cancer                               | 55  |                            |                                 | 207.4 (56.5, 472.6)        | 0.008742 (0.0023820, 0.0199181) |
| Bengkulu | Other malignant neoplasms                     | 55  | 403.1 (243.4, 646.3)       | 0.014440 (0.0087183, 0.0231529) | 306.4 (147.3, 558.9)       | 0.012913 (0.0062075, 0.0235539) |
| Bengkulu | Cerebrovascular disease                       | 55  | 3,205.6 (2,421.7, 4,166.8) | 0.114827 (0.0867484, 0.1492602) | 3,392.0 (2,570.6, 4,314.7) | 0.142944 (0.1083306, 0.1818274) |
| Bengkulu | Ischemic heart disease                        | 55  | 2,236.1 (1,569.4, 3,022.4) | 0.080099 (0.0562182, 0.1082662) | 1,343.4 (922.6, 1,840.4)   | 0.056613 (0.0388784, 0.0775587) |
| Bengkulu | Other cardiovascular and circulatory diseases | 55  | 520.1 (286.9, 868.1)       | 0.018632 (0.0102771, 0.0310962) | 623.4 (351.9, 997.9)       | 0.026271 (0.0148309, 0.0420511) |
| Bengkulu | Diabetes mellitus                             | 55  | 1,102.4 (751.3, 1,581.0)   | 0.039489 (0.0269128, 0.0566347) | 1,807.4 (1,265.9, 2,503.2) | 0.076165 (0.0533473, 0.1054885) |
| Bengkulu | Chronic kidney disease                        | 55  | 542.1 (349.7, 796.8)       | 0.019419 (0.0125251, 0.0285440) | 447.5 (288.8, 639.4)       | 0.018857 (0.0121716, 0.0269439) |
| Bengkulu | Cirrhosis                                     | 55  | 580.0 (348.3, 900.9)       | 0.020777 (0.0124751, 0.0322702) | 412.4 (245.3, 665.4)       | 0.017381 (0.0103360, 0.0280402) |
| Bengkulu | Chronic respiratory diseases                  | 55  | 686.5 (413.5, 1,043.0)     | 0.024592 (0.0148114, 0.0373621) | 516.5 (316.1, 795.0)       | 0.021765 (0.0133191, 0.0335026) |
| Bengkulu | Other non-communicable diseases               | 55  | 672.1 (456.0, 956.9)       | 0.024076 (0.0163347, 0.0342782) | 709.0 (490.6, 986.2)       | 0.029878 (0.0206760, 0.0415592) |
| Bengkulu | Drowning                                      | 55  | 24.0 (8.5, 55.3)           | 0.000859 (0.0003035, 0.0019799) | 18.1 (6.0, 41.4)           | 0.000763 (0.0002540, 0.0017432) |
| Bengkulu | Falls                                         | 55  | 133.5 (62.1, 262.0)        | 0.004782 (0.0022261, 0.0093860) | 104.5 (47.3, 201.6)        | 0.004404 (0.0019932, 0.0084966) |
| Bengkulu | Interpersonal violence                        | 55  | 24.6 (11.1, 45.1)          | 0.000882 (0.0003965, 0.0016156) | 14.7 (6.5, 28.1)           | 0.000618 (0.0002747, 0.0011851) |
| Bengkulu | Self-harm                                     | 55  | 58.5 (29.8, 105.1)         | 0.002094 (0.0010686, 0.0037646) | 26.2 (12.4, 49.6)          | 0.001103 (0.0005228, 0.0020903) |
| Bengkulu | Transport injuries                            | 55  | 297.6 (155.1, 528.1)       | 0.010660 (0.0055553, 0.0189175) | 140.2 (68.9, 268.0)        | 0.005906 (0.0029015, 0.0112923) |
| Bengkulu | Other unintentional injuries                  | 55  | 173.2 (93.3, 302.9)        | 0.006206 (0.0033423, 0.0108501) | 83.8 (42.9, 148.8)         | 0.003530 (0.0018094, 0.0062695) |
| Bengkulu | Diarrheal diseases                            | 60  | 294.7 (147.8, 495.7)       | 0.015116 (0.0075843, 0.0254301) | 425.1 (243.7, 689.8)       | 0.023672 (0.0135683, 0.0384073) |
| Bengkulu | HIV/AIDS                                      | 60  | 1.7 (0.3, 5.3)             | 0.000087 (0.0000161, 0.0002727) | 1.7 (0.3, 5.0)             | 0.000093 (0.0000167, 0.0002798) |
| Bengkulu | Lower respiratory infections                  | 60  | 199.1 (83.4, 387.6)        | 0.010215 (0.0042809, 0.0198848) | 205.7 (88.1, 373.0)        | 0.011456 (0.0049071, 0.0207707) |
| Bengkulu | Malaria                                       | 60  | 164.0 (47.1, 388.8)        | 0.008416 (0.0024187, 0.0199435) | 109.3 (26.2, 279.4)        | 0.006085 (0.0014574, 0.0155572) |
| Bengkulu | Tuberculosis                                  | 60  | 765.6 (458.9, 1,160.2)     | 0.039273 (0.0235403, 0.0595168) | 464.6 (264.3, 739.5)       | 0.025871 (0.0147147, 0.0411762) |
| Bengkulu | Other communicable diseases                   | 60  | 261.3 (127.2, 449.7)       | 0.013404 (0.0065252, 0.0230718) | 299.1 (148.3, 485.3)       | 0.016653 (0.0082558, 0.0270211) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 60  | 323.1 (136.9, 616.0)       | 0.016576 (0.0070241, 0.0316009) | 99.4 (36.5, 210.2)         | 0.005533 (0.0020311, 0.0117031) |
| Bengkulu | Breast cancer                                 | 60  | 5.7 (1.7, 14.4)            | 0.000292 (0.0000874, 0.0007378) | 234.8 (105.5, 451.9)       | 0.013076 (0.0058766, 0.0251599) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bengkulu | Cervical cancer                               | 60  |                            |                                 | 154.9 (41.5, 356.0)        | 0.008626 (0.0023126, 0.0198214) |
| Bengkulu | Other malignant neoplasms                     | 60  | 346.9 (207.3, 558.7)       | 0.017793 (0.0106328, 0.0286586) | 276.8 (133.1, 495.0)       | 0.015413 (0.0074127, 0.0275620) |
| Bengkulu | Cerebrovascular disease                       | 60  | 3,374.2 (2,528.4, 4,290.6) | 0.173094 (0.1297040, 0.2201036) | 3,496.0 (2,712.9, 4,390.0) | 0.194659 (0.1510553, 0.2444409) |
| Bengkulu | Ischemic heart disease                        | 60  | 2,059.7 (1,459.4, 2,769.3) | 0.105660 (0.0748685, 0.1420631) | 1,284.9 (896.3, 1,773.3)   | 0.071547 (0.0499047, 0.0987396) |
| Bengkulu | Other cardiovascular and circulatory diseases | 60  | 543.4 (301.4, 884.9)       | 0.027876 (0.0154641, 0.0453941) | 617.9 (351.3, 973.1)       | 0.034403 (0.0195601, 0.0541834) |
| Bengkulu | Diabetes mellitus                             | 60  | 927.2 (628.9, 1,306.9)     | 0.047566 (0.0322621, 0.0670439) | 1,507.1 (1,049.4, 2,096.6) | 0.083919 (0.0584313, 0.1167418) |
| Bengkulu | Chronic kidney disease                        | 60  | 460.7 (299.6, 671.4)       | 0.023633 (0.0153696, 0.0344414) | 371.9 (241.2, 531.5)       | 0.020709 (0.0134283, 0.0295916) |
| Bengkulu | Cirrhosis                                     | 60  | 490.0 (291.4, 771.9)       | 0.025137 (0.0149469, 0.0395968) | 342.7 (201.2, 551.3)       | 0.019081 (0.0112015, 0.0306958) |
| Bengkulu | Chronic respiratory diseases                  | 60  | 925.4 (585.4, 1,376.4)     | 0.047473 (0.0300296, 0.0706094) | 646.7 (415.8, 951.2)       | 0.036010 (0.0231521, 0.0529617) |
| Bengkulu | Other non-communicable diseases               | 60  | 723.9 (493.4, 1,018.3)     | 0.037134 (0.0253120, 0.0522401) | 738.6 (515.3, 1,022.7)     | 0.041126 (0.0286920, 0.0569457) |
| Bengkulu | Drowning                                      | 60  | 20.1 (6.7, 45.2)           | 0.001030 (0.0003454, 0.0023169) | 14.9 (4.3, 34.5)           | 0.000829 (0.0002422, 0.0019204) |
| Bengkulu | Falls                                         | 60  | 118.8 (53.8, 218.7)        | 0.006094 (0.0027617, 0.0112207) | 89.8 (41.0, 168.6)         | 0.005003 (0.0022803, 0.0093897) |
| Bengkulu | Interpersonal violence                        | 60  | 15.5 (6.8, 30.3)           | 0.000795 (0.0003485, 0.0015557) | 8.9 (3.6, 18.6)            | 0.000495 (0.0001989, 0.0010340) |
| Bengkulu | Self-harm                                     | 60  | 40.8 (20.3, 73.3)          | 0.002091 (0.0010430, 0.0037579) | 17.4 (7.8, 32.6)           | 0.000970 (0.0004318, 0.0018154) |
| Bengkulu | Transport injuries                            | 60  | 252.4 (129.5, 439.1)       | 0.012946 (0.0066428, 0.0225273) | 114.4 (55.7, 215.5)        | 0.006368 (0.0030990, 0.0120019) |
| Bengkulu | Other unintentional injuries                  | 60  | 136.8 (70.5, 242.3)        | 0.007020 (0.0036171, 0.0124276) | 63.5 (31.0, 116.9)         | 0.003536 (0.0017275, 0.0065068) |
| Bengkulu | Diarrheal diseases                            | 65  | 355.0 (192.5, 557.4)       | 0.027652 (0.0149924, 0.0434218) | 542.4 (338.9, 841.8)       | 0.041668 (0.0260302, 0.0646623) |
| Bengkulu | HIV/AIDS                                      | 65  | 1.2 (0.3, 3.7)             | 0.000094 (0.0000204, 0.0002918) | 1.3 (0.3, 3.7)             | 0.000100 (0.0000201, 0.0002837) |
| Bengkulu | Lower respiratory infections                  | 65  | 173.9 (73.1, 333.2)        | 0.013548 (0.0056985, 0.0259603) | 197.1 (87.8, 358.1)        | 0.015143 (0.0067452, 0.0275065) |
| Bengkulu | Malaria                                       | 65  | 125.0 (31.3, 304.4)        | 0.009738 (0.0028280, 0.0237126) | 87.4 (21.5, 227.3)         | 0.006717 (0.0016512, 0.0174564) |
| Bengkulu | Tuberculosis                                  | 65  | 604.3 (350.9, 910.4)       | 0.047077 (0.0273355, 0.0709243) | 399.0 (216.1, 637.6)       | 0.030653 (0.0166015, 0.0489804) |
| Bengkulu | Other communicable diseases                   | 65  | 186.3 (90.2, 315.8)        | 0.014515 (0.0070278, 0.0246040) | 227.3 (111.1, 373.0)       | 0.017459 (0.0085321, 0.0286540) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 65  | 223.3 (89.5, 426.3)        | 0.017394 (0.0069688, 0.0332122) | 66.6 (23.6, 145.3)         | 0.005120 (0.0018107, 0.0111633) |
| Bengkulu | Breast cancer                                 | 65  | 3.4 (0.9, 9.2)             | 0.000268 (0.0000684, 0.0007166) | 147.3 (64.3, 290.0)        | 0.011317 (0.0049417, 0.0222750) |
| Bengkulu | Cervical cancer                               | 65  |                            |                                 | 93.7 (23.4, 226.4)         | 0.007195 (0.0018001, 0.0173928) |
| Bengkulu | Other malignant neoplasms                     | 65  | 209.7 (126.4, 340.7)       | 0.016339 (0.0098463, 0.0265388) | 231.1 (117.0, 404.2)       | 0.017754 (0.0089865, 0.0310503) |
| Bengkulu | Cerebrovascular disease                       | 65  | 2,756.4 (2,048.9, 3,464.4) | 0.214727 (0.1596155, 0.2698852) | 3,253.2 (2,539.6, 4,037.2) | 0.249892 (0.1950830, 0.3101204) |
| Bengkulu | Ischemic heart disease                        | 65  | 1,589.9 (1,118.2, 2,131.7) | 0.123861 (0.0871131, 0.1660652) | 1,122.0 (780.5, 1,538.4)   | 0.086188 (0.0599522, 0.1181691) |
| Bengkulu | Other cardiovascular and circulatory diseases | 65  | 471.2 (259.9, 767.8)       | 0.036710 (0.0202448, 0.0598129) | 611.9 (352.4, 956.8)       | 0.047003 (0.0270695, 0.0734958) |
| Bengkulu | Diabetes mellitus                             | 65  | 586.5 (389.3, 839.1)       | 0.045688 (0.0303314, 0.0653696) | 1,107.7 (748.1, 1,545.6)   | 0.085092 (0.0574636, 0.1187277) |
| Bengkulu | Chronic kidney disease                        | 65  | 339.6 (218.3, 501.6)       | 0.026455 (0.0170070, 0.0390796) | 314.0 (204.1, 447.7)       | 0.024117 (0.0156811, 0.0343894) |
| Bengkulu | Cirrhosis                                     | 65  | 301.2 (179.2, 467.8)       | 0.023464 (0.0139574, 0.0364461) | 242.1 (139.4, 390.2)       | 0.018596 (0.0107114, 0.0299697) |
| Bengkulu | Chronic respiratory diseases                  | 65  | 809.1 (519.4, 1,182.7)     | 0.063034 (0.0404632, 0.0921354) | 647.1 (422.0, 952.8)       | 0.049709 (0.0324130, 0.0731911) |
| Bengkulu | Other non-communicable diseases               | 65  | 639.6 (431.2, 896.7)       | 0.049824 (0.0335953, 0.0698550) | 744.8 (531.1, 1,002.6)     | 0.057213 (0.0407936, 0.0770156) |
| Bengkulu | Drowning                                      | 65  | 12.3 (4.1, 29.2)           | 0.000958 (0.0003187, 0.0022779) | 10.2 (2.9, 24.4)           | 0.000782 (0.0002248, 0.0018739) |
| Bengkulu | Falls                                         | 65  | 93.5 (42.2, 177.5)         | 0.007283 (0.0032874, 0.0138283) | 78.8 (36.9, 149.3)         | 0.006050 (0.0028379, 0.0114697) |
| Bengkulu | Interpersonal violence                        | 65  | 9.2 (3.7, 19.2)            | 0.000716 (0.0002872, 0.0014949) | 5.8 (2.2, 12.7)            | 0.000444 (0.0001713, 0.0009732) |
| Bengkulu | Self-harm                                     | 65  | 27.6 (13.2, 51.3)          | 0.002153 (0.0010288, 0.0039990) | 12.9 (5.8, 26.3)           | 0.000995 (0.0004482, 0.0020208) |
| Bengkulu | Transport injuries                            | 65  | 158.2 (80.0, 276.0)        | 0.012323 (0.0062299, 0.0215015) | 79.5 (38.9, 148.6)         | 0.006104 (0.0029856, 0.0114124) |
| Bengkulu | Other unintentional injuries                  | 65  | 94.4 (48.5, 163.6)         | 0.007357 (0.0037777, 0.0127487) | 48.5 (23.0, 87.4)          | 0.003726 (0.0017656, 0.0067161) |
| Bengkulu | Diarrheal diseases                            | 70  | 486.6 (276.3, 740.7)       | 0.049100 (0.0278865, 0.0747409) | 716.3 (468.6, 1,044.5)     | 0.069296 (0.0453370, 0.1010477) |
| Bengkulu | HIV/AIDS                                      | 70  | 1.5 (0.3, 5.0)             | 0.000154 (0.0000327, 0.0005036) | 1.6 (0.3, 4.9)             | 0.000157 (0.0000337, 0.0004695) |
| Bengkulu | Lower respiratory infections                  | 70  | 213.6 (89.9, 404.8)        | 0.021554 (0.0090735, 0.0408472) | 250.9 (113.8, 451.3)       | 0.024274 (0.0110063, 0.0436557) |
| Bengkulu | Malaria                                       | 70  | 110.6 (30.4, 270.2)        | 0.011165 (0.0030666, 0.0272645) | 72.5 (17.5, 196.8)         | 0.007010 (0.0016972, 0.0190423) |
| Bengkulu | Tuberculosis                                  | 70  | 578.9 (335.8, 876.2)       | 0.058417 (0.0338865, 0.0884172) | 387.7 (215.8, 613.4)       | 0.037506 (0.0208800, 0.0593417) |
| Bengkulu | Other communicable diseases                   | 70  | 192.2 (95.5, 323.8)        | 0.019391 (0.0096379, 0.0326731) | 228.9 (112.4, 387.2)       | 0.022147 (0.0108763, 0.0374620) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 70  | 186.6 (73.3, 383.1)        | 0.018831 (0.0073937, 0.0386554) | 55.2 (19.4, 117.3)         | 0.005340 (0.0018743, 0.0113500) |
| Bengkulu | Breast cancer                                 | 70  | 2.3 (0.5, 6.5)             | 0.000237 (0.0000523, 0.0006563) | 87.3 (34.6, 177.8)         | 0.008448 (0.0033515, 0.0171999) |
| Bengkulu | Cervical cancer                               | 70  |                            |                                 | 56.4 (12.7, 138.1)         | 0.005456 (0.0012297, 0.0133560) |
| Bengkulu | Other malignant neoplasms                     | 70  | 155.5 (92.0, 252.3)        | 0.015688 (0.0092808, 0.0254650) | 184.1 (97.7, 313.6)        | 0.017814 (0.0094563, 0.0303383) |
| Bengkulu | Cerebrovascular disease                       | 70  | 2,725.8 (2,009.1, 3,417.8) | 0.275061 (0.2027428, 0.3448982) | 3,405.1 (2,715.8, 4,186.9) | 0.329417 (0.2627308, 0.4050546) |
| Bengkulu | Ischemic heart disease                        | 70  | 1,461.9 (1,008.8, 1,964.6) | 0.147523 (0.1018048, 0.1982529) | 1,143.2 (788.9, 1,543.4)   | 0.110599 (0.0763255, 0.1493118) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bengkulu | Other cardiovascular and circulatory diseases | 70  | 499.2 (274.9, 798.5)       | 0.050379 (0.0277411, 0.0805762) | 660.2 (381.0, 1,033.0)     | 0.063866 (0.0368614, 0.0999389) |
| Bengkulu | Diabetes mellitus                             | 70  | 419.9 (272.3, 613.2)       | 0.042377 (0.0274788, 0.0618765) | 843.2 (560.8, 1,197.5)     | 0.081572 (0.0542562, 0.1158535) |
| Bengkulu | Chronic kidney disease                        | 70  | 283.1 (179.6, 415.9)       | 0.028568 (0.0181190, 0.0419655) | 272.1 (176.2, 384.0)       | 0.026324 (0.0170431, 0.0371533) |
| Bengkulu | Cirrhosis                                     | 70  | 245.7 (143.5, 386.4)       | 0.024797 (0.0144793, 0.0389931) | 210.0 (121.3, 338.2)       | 0.020319 (0.0117332, 0.0327151) |
| Bengkulu | Chronic respiratory diseases                  | 70  | 968.4 (643.1, 1,392.8)     | 0.097719 (0.0648996, 0.1405501) | 771.4 (518.1, 1,110.6)     | 0.074632 (0.0501228, 0.1074464) |
| Bengkulu | Other non-communicable diseases               | 70  | 684.3 (470.2, 958.0)       | 0.069050 (0.0474450, 0.0966744) | 829.6 (595.9, 1,107.2)     | 0.080258 (0.0576492, 0.1071183) |
| Bengkulu | Drowning                                      | 70  | 19.6 (7.3, 44.2)           | 0.001976 (0.0007412, 0.0044561) | 17.1 (6.2, 36.8)           | 0.001656 (0.0005962, 0.0035578) |
| Bengkulu | Falls                                         | 70  | 97.9 (44.4, 180.0)         | 0.009883 (0.0044804, 0.0181616) | 86.3 (40.5, 157.0)         | 0.008349 (0.0039136, 0.0151877) |
| Bengkulu | Interpersonal violence                        | 70  | 6.1 (2.2, 13.6)            | 0.000616 (0.0002207, 0.0013758) | 3.8 (1.3, 9.2)             | 0.000370 (0.0001272, 0.0008860) |
| Bengkulu | Self-harm                                     | 70  | 21.6 (9.9, 40.9)           | 0.002178 (0.0010031, 0.0041303) | 10.0 (4.3, 20.3)           | 0.000965 (0.0004200, 0.0019607) |
| Bengkulu | Transport injuries                            | 70  | 141.7 (70.2, 260.2)        | 0.014296 (0.0070856, 0.0262549) | 73.4 (34.6, 143.3)         | 0.007099 (0.0033481, 0.0138603) |
| Bengkulu | Other unintentional injuries                  | 70  | 85.9 (43.9, 153.9)         | 0.008665 (0.0044342, 0.0155318) | 44.9 (21.1, 82.5)          | 0.004342 (0.0020374, 0.0079796) |
| Bengkulu | Diarrheal diseases                            | 75  | 311.8 (179.0, 470.8)       | 0.061837 (0.0354953, 0.0933613) | 530.3 (357.6, 757.6)       | 0.089996 (0.0606866, 0.1285510) |
| Bengkulu | HIV/AIDS                                      | 75  | 0.7 (0.1, 2.0)             | 0.000129 (0.0000273, 0.0004051) | 0.8 (0.2, 2.5)             | 0.000138 (0.0000286, 0.0004259) |
| Bengkulu | Lower respiratory infections                  | 75  | 122.8 (53.3, 224.8)        | 0.024349 (0.0105672, 0.0445751) | 164.3 (72.3, 288.0)        | 0.027876 (0.0122760, 0.0488720) |
| Bengkulu | Malaria                                       | 75  | 60.5 (16.2, 157.0)         | 0.012002 (0.0032074, 0.0311354) | 48.5 (12.1, 131.4)         | 0.008228 (0.0020472, 0.0223035) |
| Bengkulu | Tuberculosis                                  | 75  | 269.7 (146.6, 423.4)       | 0.053477 (0.0290667, 0.0839533) | 219.0 (113.4, 355.0)       | 0.037161 (0.0192365, 0.0602470) |
| Bengkulu | Other communicable diseases                   | 75  | 99.7 (49.0, 168.9)         | 0.019773 (0.0097074, 0.0335008) | 135.1 (66.7, 218.1)        | 0.022924 (0.0113256, 0.0370080) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 75  | 78.9 (30.5, 158.6)         | 0.015642 (0.0060506, 0.0314415) | 28.5 (9.7, 64.6)           | 0.004841 (0.0016400, 0.0109658) |
| Bengkulu | Breast cancer                                 | 75  | 0.8 (0.2, 2.5)             | 0.000165 (0.0000353, 0.0005024) | 40.7 (16.6, 87.1)          | 0.006899 (0.0028157, 0.0147847) |
| Bengkulu | Cervical cancer                               | 75  |                            |                                 | 22.6 (5.1, 56.8)           | 0.003827 (0.0008644, 0.0096450) |
| Bengkulu | Other malignant neoplasms                     | 75  | 65.1 (37.4, 106.5)         | 0.012907 (0.0074073, 0.0211183) | 110.1 (60.4, 183.9)        | 0.018679 (0.0102538, 0.0312035) |
| Bengkulu | Cerebrovascular disease                       | 75  | 1,519.1 (1,093.0, 1,949.6) | 0.301236 (0.2167514, 0.3865991) | 2,327.8 (1,897.0, 2,812.0) | 0.395010 (0.3219007, 0.4771692) |
| Bengkulu | Ischemic heart disease                        | 75  | 878.7 (601.7, 1,193.4)     | 0.174254 (0.1193124, 0.2366428) | 861.1 (607.0, 1,150.4)     | 0.146129 (0.1030051, 0.1952093) |
| Bengkulu | Other cardiovascular and circulatory diseases | 75  | 284.8 (153.9, 461.1)       | 0.056484 (0.0305191, 0.0914361) | 470.5 (270.7, 737.5)       | 0.079844 (0.0459274, 0.1251475) |
| Bengkulu | Diabetes mellitus                             | 75  | 195.1 (123.6, 282.9)       | 0.038685 (0.0245136, 0.0561085) | 491.8 (334.3, 699.8)       | 0.083458 (0.0567280, 0.1187498) |
| Bengkulu | Chronic kidney disease                        | 75  | 140.3 (87.2, 209.7)        | 0.027818 (0.0172878, 0.0415848) | 170.4 (109.9, 242.2)       | 0.028924 (0.0186443, 0.0411007) |
| Bengkulu | Cirrhosis                                     | 75  | 119.7 (68.9, 190.8)        | 0.023740 (0.0136608, 0.0378405) | 123.5 (72.2, 199.7)        | 0.020950 (0.0122537, 0.0338810) |
| Bengkulu | Chronic respiratory diseases                  | 75  | 532.9 (349.8, 768.8)       | 0.105673 (0.0693668, 0.1524554) | 517.9 (354.2, 741.6)       | 0.087888 (0.0601071, 0.1258468) |
| Bengkulu | Other non-communicable diseases               | 75  | 436.4 (295.3, 616.7)       | 0.086545 (0.0585541, 0.1222988) | 653.2 (478.0, 863.9)       | 0.110839 (0.0811074, 0.1465898) |
| Bengkulu | Drowning                                      | 75  | 15.2 (5.7, 34.1)           | 0.003020 (0.0011280, 0.0067666) | 13.9 (5.1, 31.9)           | 0.002359 (0.0008699, 0.0054091) |
| Bengkulu | Falls                                         | 75  | 65.0 (30.5, 118.5)         | 0.012895 (0.0060414, 0.0234949) | 62.4 (31.0, 108.6)         | 0.010584 (0.0052532, 0.0184345) |
| Bengkulu | Interpersonal violence                        | 75  | 2.6 (0.8, 6.7)             | 0.000509 (0.0001497, 0.0013309) | 1.9 (0.6, 5.4)             | 0.000329 (0.0000950, 0.0009211) |
| Bengkulu | Self-harm                                     | 75  | 11.0 (4.6, 21.0)           | 0.002184 (0.0009209, 0.0041682) | 6.2 (2.6, 13.3)            | 0.001060 (0.0004390, 0.0022557) |
| Bengkulu | Transport injuries                            | 75  | 58.3 (27.3, 108.7)         | 0.011561 (0.0054224, 0.0215563) | 33.7 (15.0, 66.1)          | 0.005724 (0.0025457, 0.0112165) |
| Bengkulu | Other unintentional injuries                  | 75  | 45.1 (22.5, 80.9)          | 0.008949 (0.0044682, 0.0160519) | 27.2 (12.3, 51.0)          | 0.004623 (0.0020923, 0.0086601) |
| Bengkulu | Diarrheal diseases                            | 80  | 693.2 (440.8, 967.1)       | 0.138112 (0.0878270, 0.1926914) | 1,366.6 (975.9, 1,847.4)   | 0.195312 (0.1394684, 0.2640328) |
| Bengkulu | HIV/AIDS                                      | 80  | 0.9 (0.2, 3.1)             | 0.000180 (0.0000310, 0.0006079) | 1.4 (0.2, 4.8)             | 0.000193 (0.0000325, 0.0006854) |
| Bengkulu | Lower respiratory infections                  | 80  | 193.3 (86.2, 346.9)        | 0.038519 (0.0171711, 0.0691098) | 324.3 (148.1, 561.0)       | 0.046355 (0.0211651, 0.0801806) |
| Bengkulu | Malaria                                       | 80  | 89.7 (23.7, 245.3)         | 0.017876 (0.0047158, 0.0488784) | 80.1 (19.9, 232.6)         | 0.011448 (0.0028476, 0.0332391) |
| Bengkulu | Tuberculosis                                  | 80  | 340.4 (187.8, 525.1)       | 0.067825 (0.0374209, 0.1046263) | 333.8 (177.6, 545.0)       | 0.047699 (0.0253873, 0.0778897) |
| Bengkulu | Other communicable diseases                   | 80  | 151.8 (75.8, 259.4)        | 0.030248 (0.0151110, 0.0516935) | 243.8 (118.4, 414.2)       | 0.034840 (0.0169249, 0.0591995) |
| Bengkulu | Tracheal, bronchus, and lung cancer           | 80  | 85.3 (31.6, 177.5)         | 0.016998 (0.0062970, 0.0353584) | 39.6 (13.2, 89.9)          | 0.005654 (0.0018904, 0.0128534) |
| Bengkulu | Breast cancer                                 | 80  | 0.9 (0.2, 2.6)             | 0.000171 (0.0000327, 0.0005239) | 43.6 (15.9, 93.7)          | 0.006228 (0.0022722, 0.0133847) |
| Bengkulu | Cervical cancer                               | 80  |                            |                                 | 22.7 (4.3, 60.4)           | 0.003244 (0.0006086, 0.0086278) |
| Bengkulu | Other malignant neoplasms                     | 80  | 74.1 (43.3, 119.2)         | 0.014760 (0.0086315, 0.0237510) | 146.5 (79.5, 241.0)        | 0.020936 (0.0113674, 0.0344392) |
| Bengkulu | Cerebrovascular disease                       | 80  | 2,099.3 (1,659.4, 2,588.0) | 0.418271 (0.3306273, 0.5156472) | 4,049.7 (3,425.4, 4,770.3) | 0.578777 (0.4895480, 0.6817665) |
| Bengkulu | Ischemic heart disease                        | 80  | 1,109.0 (798.5, 1,455.8)   | 0.220964 (0.1590963, 0.2900590) | 1,433.0 (1,027.9, 1,917.3) | 0.204801 (0.1468989, 0.2740205) |
| Bengkulu | Other cardiovascular and circulatory diseases | 80  | 373.1 (208.1, 589.2)       | 0.074340 (0.0414559, 0.1173842) | 739.9 (430.6, 1,149.6)     | 0.105742 (0.0615344, 0.1643011) |
| Bengkulu | Diabetes mellitus                             | 80  | 215.0 (142.5, 311.3)       | 0.042836 (0.0283937, 0.0620264) | 674.0 (444.0, 963.2)       | 0.096325 (0.0634498, 0.1376644) |
| Bengkulu | Chronic kidney disease                        | 80  | 160.3 (103.5, 238.1)       | 0.031938 (0.0206314, 0.0474357) | 237.8 (156.8, 341.9)       | 0.033992 (0.0224158, 0.0488663) |
| Bengkulu | Cirrhosis                                     | 80  | 138.7 (81.4, 210.8)        | 0.027632 (0.0162277, 0.0419947) | 181.1 (99.0, 292.2)        | 0.025888 (0.0141452, 0.0417557) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|----------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Bengkulu | Chronic respiratory diseases                             | 80  | 755.1 (523.8, 1,054.1)        | 0.150442 (0.1043720, 0.2100286) | 855.1 (580.8, 1,208.1)        | 0.122204 (0.0830119, 0.1726621) |
| Bengkulu | Other non-communicable diseases                          | 80  | 669.8 (484.5, 908.0)          | 0.133454 (0.0965269, 0.1809039) | 1,235.3 (927.9, 1,594.4)      | 0.176544 (0.1326097, 0.2278756) |
| Bengkulu | Drowning                                                 | 80  | 19.8 (7.2, 47.1)              | 0.003944 (0.0014391, 0.0093775) | 23.5 (7.4, 54.3)              | 0.003355 (0.0010622, 0.0077602) |
| Bengkulu | Falls                                                    | 80  | 111.2 (54.9, 188.6)           | 0.022165 (0.0109404, 0.0375710) | 134.4 (71.5, 225.5)           | 0.019215 (0.0102146, 0.0322256) |
| Bengkulu | Interpersonal violence                                   | 80  | 2.7 (0.5, 8.7)                | 0.000532 (0.0001022, 0.0017301) | 2.3 (0.5, 7.9)                | 0.000334 (0.0000686, 0.0011271) |
| Bengkulu | Self-harm                                                | 80  | 13.8 (5.7, 30.3)              | 0.002753 (0.0011270, 0.0060280) | 9.0 (3.5, 20.6)               | 0.001280 (0.0004949, 0.0029421) |
| Bengkulu | Transport injuries                                       | 80  | 66.4 (29.0, 129.2)            | 0.013224 (0.0057710, 0.0257507) | 47.5 (18.8, 95.9)             | 0.006784 (0.0026920, 0.0137116) |
| Bengkulu | Other unintentional injuries                             | 80  | 56.1 (27.7, 105.3)            | 0.011170 (0.0055158, 0.0209719) | 40.7 (18.3, 79.3)             | 0.005822 (0.0026139, 0.0113354) |
| Bengkulu | Diarrheal diseases                                       | All | 7,237.6 (4,320.3, 10,987.7)   | 0.007673 (0.0045804, 0.0116493) | 9,153.7 (5,975.1, 13,552.4)   | 0.010105 (0.0065964, 0.0149615) |
| Bengkulu | HIV/AIDS                                                 | All | 572.4 (145.2, 1,481.1)        | 0.000607 (0.0001540, 0.0015703) | 428.5 (110.3, 1,132.7)        | 0.000473 (0.0001218, 0.0012505) |
| Bengkulu | Lower respiratory infections                             | All | 7,569.2 (4,560.2, 11,691.2)   | 0.008025 (0.0048348, 0.0123951) | 5,491.9 (3,290.0, 8,551.2)    | 0.006603 (0.0036321, 0.0094403) |
| Bengkulu | Malaria                                                  | All | 3,653.2 (1,169.4, 8,205.5)    | 0.003873 (0.0012398, 0.0086995) | 2,637.4 (804.8, 5,935.9)      | 0.002912 (0.0008885, 0.0065531) |
| Bengkulu | Tuberculosis                                             | All | 12,477.9 (7,871.9, 18,323.2)  | 0.013229 (0.0083459, 0.0194263) | 7,762.0 (4,653.5, 11,859.3)   | 0.008569 (0.0051373, 0.0130924) |
| Bengkulu | Maternal disorders                                       | All |                               |                                 | 3,056.9 (1,876.4, 4,539.0)    | 0.003375 (0.0020715, 0.0050110) |
| Bengkulu | Neonatal encephalopathy due to birth asphyxia and trauma | All | 8,897.3 (4,343.7, 14,596.0)   | 0.009433 (0.0046052, 0.0154748) | 5,401.5 (2,559.0, 9,524.0)    | 0.005963 (0.0028251, 0.0105142) |
| Bengkulu | Preterm birth complications                              | All | 8,295.1 (3,669.4, 14,059.6)   | 0.008795 (0.0038903, 0.0149061) | 6,565.3 (3,127.0, 11,375.7)   | 0.007248 (0.0034522, 0.0125585) |
| Bengkulu | Other neonatal disorders                                 | All | 3,405.5 (1,126.3, 7,227.7)    | 0.003611 (0.0011941, 0.0076628) | 1,966.2 (591.1, 4,361.0)      | 0.002171 (0.0006526, 0.0048145) |
| Bengkulu | Other communicable diseases                              | All | 11,855.6 (7,227.3, 17,203.6)  | 0.012569 (0.0076624, 0.0182393) | 9,433.8 (5,502.2, 13,604.8)   | 0.010415 (0.0060743, 0.0150194) |
| Bengkulu | Tracheal, bronchus, and lung cancer                      | All | 2,913.5 (1,192.0, 5,755.5)    | 0.003089 (0.0012638, 0.0061021) | 1,541.1 (582.5, 3,230.9)      | 0.001701 (0.0006431, 0.0035669) |
| Bengkulu | Breast cancer                                            | All | 64.9 (20.7, 161.6)            | 0.000069 (0.0000219, 0.0001714) | 5,702.8 (2,939.3, 9,971.7)    | 0.006296 (0.0032449, 0.0110085) |
| Bengkulu | Cervical cancer                                          | All |                               |                                 | 2,770.7 (739.2, 6,080.7)      | 0.003059 (0.0008161, 0.0067130) |
| Bengkulu | Other malignant neoplasms                                | All | 6,813.4 (4,138.8, 10,655.7)   | 0.007224 (0.0043880, 0.0112973) | 6,520.5 (3,650.0, 10,602.4)   | 0.007198 (0.0040295, 0.0117048) |
| Bengkulu | Cerebrovascular disease                                  | All | 28,182.1 (21,418.3, 36,588.4) | 0.029879 (0.0227078, 0.0387913) | 33,893.4 (26,216.8, 42,881.6) | 0.037418 (0.0289427, 0.0473402) |
| Bengkulu | Ischemic heart disease                                   | All | 19,854.8 (13,755.0, 27,192.7) | 0.021050 (0.0145831, 0.0288299) | 14,220.0 (9,811.5, 19,764.1)  | 0.015699 (0.0108317, 0.0218191) |
| Bengkulu | Other cardiovascular and circulatory diseases            | All | 5,413.3 (2,957.3, 8,776.5)    | 0.005739 (0.0031354, 0.0093049) | 7,304.0 (4,122.3, 11,667.1)   | 0.008064 (0.0045509, 0.0128802) |
| Bengkulu | Diabetes mellitus                                        | All | 7,350.5 (4,983.6, 10,652.1)   | 0.007793 (0.0052836, 0.0112934) | 13,659.5 (9,373.5, 19,091.8)  | 0.015080 (0.0103482, 0.0210769) |
| Bengkulu | Chronic kidney disease                                   | All | 6,740.2 (4,337.9, 10,070.6)   | 0.007146 (0.0045990, 0.0106769) | 6,657.2 (4,274.9, 9,368.6)    | 0.007349 (0.0047194, 0.0103427) |
| Bengkulu | Cirrhosis                                                | All | 6,962.7 (4,229.3, 10,792.8)   | 0.007382 (0.0044839, 0.0114426) | 5,065.3 (3,013.8, 8,090.7)    | 0.005592 (0.0033272, 0.0089319) |
| Bengkulu | Chronic respiratory diseases                             | All | 9,408.6 (5,926.1, 13,948.2)   | 0.009975 (0.0062829, 0.0147880) | 7,534.9 (4,743.2, 11,217.5)   | 0.008318 (0.0052364, 0.0123838) |
| Bengkulu | Other non-communicable diseases                          | All | 17,754.2 (12,772.7, 23,788.6) | 0.018823 (0.0135417, 0.0252209) | 19,079.0 (14,405.3, 24,968.2) | 0.021063 (0.0159031, 0.0275643) |
| Bengkulu | Drowning                                                 | All | 3,500.5 (2,036.6, 5,766.3)    | 0.003711 (0.0021592, 0.0061135) | 1,293.0 (691.8, 2,290.9)      | 0.001428 (0.0007637, 0.0025291) |
| Bengkulu | Falls                                                    | All | 2,188.3 (1,056.0, 3,847.9)    | 0.002320 (0.0011195, 0.0040795) | 1,412.2 (679.6, 2,565.1)      | 0.001559 (0.0007502, 0.0028319) |
| Bengkulu | Interpersonal violence                                   | All | 1,100.2 (660.2, 1,783.0)      | 0.001167 (0.0006999, 0.0018904) | 843.6 (465.9, 1,442.9)        | 0.000931 (0.0005143, 0.0015929) |
| Bengkulu | Self-harm                                                | All | 1,558.9 (865.4, 2,546.1)      | 0.001653 (0.0009175, 0.0026994) | 1,022.6 (538.2, 1,708.0)      | 0.001129 (0.0005942, 0.0018856) |
| Bengkulu | Transport injuries                                       | All | 14,709.1 (9,761.7, 21,558.6)  | 0.015595 (0.0103494, 0.0228566) | 6,035.2 (3,570.5, 9,533.2)    | 0.006663 (0.0039417, 0.0105244) |
| Bengkulu | Other unintentional injuries                             | All | 6,196.9 (3,782.6, 9,683.9)    | 0.006570 (0.0040103, 0.0102669) | 2,845.8 (1,539.1, 4,738.5)    | 0.003142 (0.0016991, 0.0052312) |
| Lampung  | Diarrheal diseases                                       | NN  | 1,752.2 (684.3, 3,287.1)      | 0.271526 (0.1060437, 0.5093715) | 1,353.9 (547.2, 2,724.6)      | 0.210558 (0.0850991, 0.4237230) |
| Lampung  | Lower respiratory infections                             | NN  | 12,522.6 (5,920.9, 21,164.8)  | 1.940487 (0.9175036, 3.2796760) | 7,154.6 (3,346.2, 12,515.8)   | 1.112649 (0.5203813, 1.9463860) |
| Lampung  | Malaria                                                  | NN  | 61.7 (10.5, 224.9)            | 0.009555 (0.0016294, 0.0348555) | 34.6 (5.6, 125.4)             | 0.005381 (0.0008732, 0.0195013) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 38,103.4 (18,007.1, 63,537.5) | 5.904477 (2.7903590, 9.8457222) | 24,359.8 (12,132.9, 42,476.3) | 3.788316 (1.8868450, 6.6057072) |
| Lampung  | Preterm birth complications                              | NN  | 32,848.8 (14,890.3, 55,896.4) | 5.090219 (2.3073890, 8.6616564) | 27,303.3 (13,504.4, 46,268.8) | 4.246075 (2.1001420, 7.1954899) |
| Lampung  | Other neonatal disorders                                 | NN  | 11,010.2 (3,592.9, 25,150.6)  | 1.706133 (0.5567481, 3.8973179) | 6,624.8 (2,003.9, 15,442.0)   | 1.030260 (0.3116342, 2.4014561) |
| Lampung  | Other communicable diseases                              | NN  | 1,651.9 (621.7, 3,309.4)      | 0.255984 (0.0963306, 0.5128206) | 894.6 (339.4, 1,903.7)        | 0.139127 (0.0527824, 0.2960500) |
| Lampung  | Other malignant neoplasms                                | NN  | 728.8 (266.6, 1,552.5)        | 0.112931 (0.0413133, 0.2405764) | 548.4 (196.9, 1,142.7)        | 0.085286 (0.0306154, 0.1777079) |
| Lampung  | Cerebrovascular disease                                  | NN  | 287.5 (71.0, 738.5)           | 0.044546 (0.0110011, 0.1144429) | 285.8 (75.6, 782.9)           | 0.044444 (0.0117503, 0.1217503) |
| Lampung  | Other cardiovascular and circulatory diseases            | NN  | 231.5 (53.0, 600.7)           | 0.035876 (0.0082102, 0.0930803) | 218.5 (49.8, 605.5)           | 0.033972 (0.0077388, 0.0941661) |
| Lampung  | Diabetes mellitus                                        | NN  | 59.1 (0.3, 420.9)             | 0.009152 (0.0000395, 0.0652274) | 78.2 (0.4, 669.0)             | 0.012158 (0.0000610, 0.1040406) |
| Lampung  | Other non-communicable diseases                          | NN  | 17,389.6 (8,589.3, 28,128.1)  | 2.694674 (1.3309900, 4.3587070) | 14,844.9 (7,673.3, 24,906.0)  | 2.308603 (1.1933080, 3.8732531) |
| Lampung  | Drowning                                                 | NN  | 988.9 (345.0, 2,083.5)        | 0.153243 (0.0534630, 0.3228570) | 220.3 (71.1, 514.4)           | 0.034260 (0.0110584, 0.0800039) |
| Lampung  | Falls                                                    | NN  | 409.3 (102.3, 955.7)          | 0.063421 (0.0158563, 0.1480872) | 123.8 (33.0, 313.4)           | 0.019249 (0.0051321, 0.0487401) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                       |                                 | Females                     |                                 |
|----------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Lampung  | Interpersonal violence                                   | NN  | 303.2 (76.5, 749.5)         | 0.046984 (0.0118563, 0.1161448) | 157.9 (42.5, 404.7)         | 0.024550 (0.0066150, 0.0629443) |
| Lampung  | Transport injuries                                       | NN  | 831.9 (284.7, 1,864.0)      | 0.128914 (0.0441189, 0.2888365) | 186.5 (60.8, 422.0)         | 0.029010 (0.0094535, 0.0656237) |
| Lampung  | Other unintentional injuries                             | NN  | 2,192.9 (832.7, 4,496.4)    | 0.339810 (0.1290338, 0.6967518) | 653.2 (252.5, 1,379.2)      | 0.101584 (0.0392704, 0.2144921) |
| Lampung  | Diarrheal diseases                                       | PNN | 527.6 (244.9, 918.4)        | 0.006551 (0.0030407, 0.0114020) | 624.1 (297.1, 1,097.8)      | 0.007776 (0.0037013, 0.0136781) |
| Lampung  | HIV/AIDS                                                 | PNN | 17.7 (4.1, 52.6)            | 0.000220 (0.0000504, 0.0006536) | 14.9 (3.1, 42.6)            | 0.000185 (0.0000388, 0.0005304) |
| Lampung  | Lower respiratory infections                             | PNN | 317.3 (151.7, 525.3)        | 0.003940 (0.0018837, 0.0065213) | 266.6 (126.3, 473.9)        | 0.003322 (0.0015734, 0.0059048) |
| Lampung  | Malaria                                                  | PNN | 18.1 (3.6, 62.6)            | 0.000224 (0.0000443, 0.0007771) | 15.6 (2.7, 53.1)            | 0.000195 (0.0000341, 0.0006618) |
| Lampung  | Tuberculosis                                             | PNN | 36.9 (14.3, 77.0)           | 0.000458 (0.0001770, 0.0009565) | 32.7 (12.4, 72.7)           | 0.000407 (0.0001539, 0.0009056) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 32.1 (8.8, 85.0)            | 0.000398 (0.0001089, 0.0010549) | 28.1 (7.2, 75.0)            | 0.000350 (0.0000902, 0.0009344) |
| Lampung  | Preterm birth complications                              | PNN | 68.5 (23.2, 150.9)          | 0.000850 (0.0002878, 0.0018734) | 91.4 (31.9, 207.0)          | 0.001139 (0.0003975, 0.0025795) |
| Lampung  | Other neonatal disorders                                 | PNN | 30.8 (6.5, 85.5)            | 0.000383 (0.0000808, 0.0010621) | 26.6 (5.5, 76.2)            | 0.000331 (0.0000687, 0.0009497) |
| Lampung  | Other communicable diseases                              | PNN | 550.3 (262.6, 933.6)        | 0.006832 (0.0032606, 0.0115904) | 458.0 (222.8, 823.4)        | 0.005707 (0.0027762, 0.0102591) |
| Lampung  | Other malignant neoplasms                                | PNN | 11.4 (4.4, 24.1)            | 0.000141 (0.0000543, 0.0002989) | 12.1 (4.4, 24.8)            | 0.000150 (0.0000553, 0.0003084) |
| Lampung  | Cerebrovascular disease                                  | PNN | 4.5 (1.2, 11.8)             | 0.000056 (0.0000145, 0.0001460) | 6.3 (1.8, 17.3)             | 0.000079 (0.0000218, 0.0002159) |
| Lampung  | Ischemic heart disease                                   | PNN | 1.3 (0.1, 6.3)              | 0.000016 (0.0000011, 0.0000784) | 2.0 (0.1, 9.2)              | 0.000025 (0.0000016, 0.0001143) |
| Lampung  | Other cardiovascular and circulatory diseases            | PNN | 3.6 (0.9, 9.6)              | 0.000045 (0.0000109, 0.0001192) | 4.8 (1.2, 13.7)             | 0.000060 (0.0000145, 0.0001702) |
| Lampung  | Diabetes mellitus                                        | PNN | 0.9 (0.0, 6.6)              | 0.000011 (0.0000000, 0.0000820) | 1.8 (0.0, 12.8)             | 0.000022 (0.0000001, 0.0001589) |
| Lampung  | Chronic kidney disease                                   | PNN | 17.1 (6.2, 35.1)            | 0.000212 (0.0000766, 0.0004360) | 19.8 (6.7, 40.9)            | 0.000247 (0.0000840, 0.0005096) |
| Lampung  | Other non-communicable diseases                          | PNN | 270.7 (131.7, 448.9)        | 0.003361 (0.0016349, 0.0055726) | 325.5 (161.4, 552.1)        | 0.004055 (0.0020104, 0.0068789) |
| Lampung  | Drowning                                                 | PNN | 18.9 (7.0, 38.2)            | 0.000234 (0.0000871, 0.0004738) | 6.0 (1.9, 13.1)             | 0.000075 (0.0000236, 0.0001635) |
| Lampung  | Falls                                                    | PNN | 7.5 (2.1, 16.9)             | 0.000093 (0.0000257, 0.0002104) | 3.2 (0.9, 7.6)              | 0.000040 (0.0000112, 0.0000951) |
| Lampung  | Interpersonal violence                                   | PNN | 5.4 (1.6, 13.1)             | 0.000067 (0.0000202, 0.0001626) | 4.0 (1.2, 9.8)              | 0.000050 (0.0000149, 0.0001222) |
| Lampung  | Transport injuries                                       | PNN | 15.7 (5.7, 33.8)            | 0.000194 (0.0000709, 0.0004201) | 5.0 (1.7, 10.8)             | 0.000063 (0.0000212, 0.0001344) |
| Lampung  | Other unintentional injuries                             | PNN | 39.5 (16.8, 78.5)           | 0.000490 (0.0002083, 0.0009751) | 16.7 (6.6, 33.0)            | 0.000208 (0.0000824, 0.0004116) |
| Lampung  | Diarrheal diseases                                       | 1   | 4,236.3 (1,663.6, 9,267.2)  | 0.011410 (0.0044805, 0.0249592) | 4,532.0 (1,941.6, 9,132.8)  | 0.012852 (0.0055060, 0.0258990) |
| Lampung  | HIV/AIDS                                                 | 1   | 329.7 (56.2, 1,008.3)       | 0.000888 (0.0001513, 0.0027156) | 250.5 (47.9, 737.8)         | 0.000710 (0.0001359, 0.0020922) |
| Lampung  | Lower respiratory infections                             | 1   | 5,756.9 (2,270.8, 11,991.7) | 0.015505 (0.0061159, 0.0322972) | 4,387.9 (1,920.9, 8,799.1)  | 0.012443 (0.0054473, 0.0249530) |
| Lampung  | Malaria                                                  | 1   | 118.1 (20.1, 437.6)         | 0.000318 (0.0000541, 0.0011785) | 91.4 (16.3, 333.0)          | 0.000259 (0.0000461, 0.0009444) |
| Lampung  | Tuberculosis                                             | 1   | 720.6 (230.7, 1,655.3)      | 0.001941 (0.0006213, 0.0044582) | 582.2 (200.5, 1,359.4)      | 0.001651 (0.0005687, 0.0038552) |
| Lampung  | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 294.2 (69.5, 820.9)         | 0.000792 (0.0001871, 0.0022108) | 222.2 (54.3, 633.6)         | 0.000630 (0.0001541, 0.0017967) |
| Lampung  | Preterm birth complications                              | 1   | 123.0 (18.2, 452.1)         | 0.000331 (0.0000491, 0.0012177) | 140.8 (22.1, 496.9)         | 0.000399 (0.0000627, 0.0014091) |
| Lampung  | Other neonatal disorders                                 | 1   | 39.5 (0.3, 269.8)           | 0.000106 (0.0000007, 0.0007266) | 28.6 (0.2, 187.0)           | 0.000081 (0.0000005, 0.0005302) |
| Lampung  | Other communicable diseases                              | 1   | 9,547.2 (3,986.0, 19,011.6) | 0.025713 (0.0107355, 0.0512035) | 7,346.5 (3,117.4, 14,246.4) | 0.020833 (0.0088404, 0.0404006) |
| Lampung  | Other malignant neoplasms                                | 1   | 144.4 (46.4, 359.1)         | 0.000389 (0.0001249, 0.0009672) | 146.2 (48.2, 350.7)         | 0.000415 (0.0001367, 0.0009946) |
| Lampung  | Cerebrovascular disease                                  | 1   | 61.2 (14.5, 163.4)          | 0.000165 (0.0000392, 0.0004401) | 82.1 (21.1, 222.3)          | 0.000233 (0.0000598, 0.0006303) |
| Lampung  | Ischemic heart disease                                   | 1   | 17.7 (1.1, 89.2)            | 0.000048 (0.0000029, 0.0002402) | 25.8 (1.6, 123.2)           | 0.000073 (0.0000046, 0.0003494) |
| Lampung  | Other cardiovascular and circulatory diseases            | 1   | 46.4 (9.5, 140.3)           | 0.000125 (0.0000256, 0.0003779) | 59.0 (13.7, 180.0)          | 0.000167 (0.0000388, 0.0005105) |
| Lampung  | Diabetes mellitus                                        | 1   | 10.7 (0.1, 85.1)            | 0.000029 (0.0000001, 0.0002293) | 21.2 (0.1, 168.4)           | 0.000060 (0.0000003, 0.0004776) |
| Lampung  | Chronic kidney disease                                   | 1   | 208.2 (63.8, 510.0)         | 0.000561 (0.0001718, 0.0013736) | 230.7 (70.3, 538.0)         | 0.000654 (0.0001995, 0.0015256) |
| Lampung  | Cirrhosis                                                | 1   | 319.8 (87.0, 815.9)         | 0.000861 (0.0002343, 0.0021975) | 186.3 (51.8, 460.6)         | 0.000528 (0.0001468, 0.0013061) |
| Lampung  | Chronic respiratory diseases                             | 1   | 524.1 (161.0, 1,209.2)      | 0.001412 (0.0004336, 0.0032566) | 233.6 (66.3, 563.5)         | 0.000663 (0.0001881, 0.0015980) |
| Lampung  | Other non-communicable diseases                          | 1   | 3,403.0 (1,330.8, 7,144.5)  | 0.009165 (0.0035844, 0.0192421) | 3,911.7 (1,742.9, 7,763.8)  | 0.011093 (0.0049425, 0.0220168) |
| Lampung  | Drowning                                                 | 1   | 1,010.9 (317.4, 2,384.0)    | 0.002723 (0.0008549, 0.0064207) | 302.5 (98.4, 696.1)         | 0.000858 (0.0002789, 0.0019739) |
| Lampung  | Falls                                                    | 1   | 274.4 (71.5, 687.7)         | 0.000739 (0.0001924, 0.0018522) | 111.1 (29.5, 267.9)         | 0.000315 (0.0000835, 0.0007596) |
| Lampung  | Interpersonal violence                                   | 1   | 163.8 (46.6, 404.2)         | 0.000441 (0.0001255, 0.0010886) | 113.6 (31.5, 275.8)         | 0.000322 (0.0000892, 0.0007820) |
| Lampung  | Transport injuries                                       | 1   | 736.4 (233.3, 1,666.3)      | 0.001983 (0.0006285, 0.0044877) | 222.0 (74.9, 522.9)         | 0.000630 (0.0002125, 0.0014829) |
| Lampung  | Other unintentional injuries                             | 1   | 1,250.6 (439.7, 2,768.6)    | 0.003368 (0.0011843, 0.0074567) | 496.2 (177.9, 1,068.7)      | 0.001407 (0.0005046, 0.0030305) |
| Lampung  | Diarrheal diseases                                       | 5   | 2,273.9 (1,494.6, 3,258.8)  | 0.005564 (0.0036573, 0.0079746) | 2,126.7 (1,463.7, 2,952.8)  | 0.005589 (0.0038468, 0.0077603) |
| Lampung  | HIV/AIDS                                                 | 5   | 124.7 (24.5, 369.2)         | 0.000305 (0.0000598, 0.0009035) | 82.0 (17.2, 222.1)          | 0.000215 (0.0000452, 0.0005838) |
| Lampung  | Lower respiratory infections                             | 5   | 2,073.9 (1,388.0, 2,817.4)  | 0.005075 (0.0033966, 0.0068943) | 1,378.0 (904.0, 1,918.0)    | 0.003622 (0.0023757, 0.0050406) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Lampung  | Malaria                                       | 5   | 63.0 (13.9, 200.4)         | 0.000154 (0.0000340, 0.0004905) | 42.9 (10.4, 134.0)         | 0.000113 (0.0000273, 0.0003523) |
| Lampung  | Tuberculosis                                  | 5   | 372.3 (196.9, 627.2)       | 0.000911 (0.0004818, 0.0015348) | 260.2 (140.7, 446.0)       | 0.000684 (0.0003698, 0.0011720) |
| Lampung  | Other communicable diseases                   | 5   | 5,057.1 (3,913.8, 6,365.1) | 0.012375 (0.0095774, 0.0155760) | 3,395.7 (2,525.5, 4,312.9) | 0.008924 (0.0066373, 0.0113346) |
| Lampung  | Other malignant neoplasms                     | 5   | 715.1 (379.0, 1,169.8)     | 0.001750 (0.0009275, 0.0028626) | 643.8 (351.8, 1,029.3)     | 0.001692 (0.0009246, 0.0027050) |
| Lampung  | Cerebrovascular disease                       | 5   | 206.2 (94.3, 381.6)        | 0.000505 (0.0002307, 0.0009338) | 240.5 (120.2, 416.8)       | 0.000632 (0.0003158, 0.0010953) |
| Lampung  | Ischemic heart disease                        | 5   | 68.7 (25.1, 151.4)         | 0.000168 (0.0000614, 0.0003705) | 87.0 (32.4, 181.5)         | 0.000229 (0.0000851, 0.0004770) |
| Lampung  | Other cardiovascular and circulatory diseases | 5   | 175.4 (69.8, 395.7)        | 0.000429 (0.0001709, 0.0009684) | 190.5 (80.6, 383.5)        | 0.000501 (0.0002118, 0.0010080) |
| Lampung  | Diabetes mellitus                             | 5   | 105.2 (38.0, 235.5)        | 0.000258 (0.0000930, 0.0005762) | 177.9 (69.0, 383.3)        | 0.000468 (0.0001814, 0.0010073) |
| Lampung  | Chronic kidney disease                        | 5   | 350.8 (174.3, 628.3)       | 0.000859 (0.0004266, 0.0015374) | 345.3 (183.0, 592.0)       | 0.000907 (0.0004809, 0.0015559) |
| Lampung  | Cirrhosis                                     | 5   | 691.5 (376.3, 1,133.1)     | 0.001692 (0.0009209, 0.0027729) | 360.4 (193.5, 614.7)       | 0.000947 (0.0005085, 0.0016155) |
| Lampung  | Chronic respiratory diseases                  | 5   | 343.5 (158.9, 623.7)       | 0.000841 (0.0003888, 0.0015262) | 133.1 (59.4, 243.8)        | 0.000350 (0.0001560, 0.0006407) |
| Lampung  | Other non-communicable diseases               | 5   | 2,489.2 (1,824.7, 3,246.8) | 0.006091 (0.0044652, 0.0079453) | 2,520.4 (1,904.9, 3,192.2) | 0.006624 (0.0050063, 0.0083894) |
| Lampung  | Drowning                                      | 5   | 3,183.4 (2,068.3, 4,440.9) | 0.007790 (0.0050613, 0.0108672) | 1,132.3 (653.1, 1,724.3)   | 0.002976 (0.0017164, 0.0045317) |
| Lampung  | Falls                                         | 5   | 444.5 (192.1, 838.7)       | 0.001088 (0.0004702, 0.0020523) | 198.9 (84.6, 374.0)        | 0.000523 (0.0002224, 0.0009830) |
| Lampung  | Interpersonal violence                        | 5   | 118.4 (48.8, 234.0)        | 0.000290 (0.0001193, 0.0005726) | 90.2 (37.9, 179.9)         | 0.000237 (0.0000997, 0.0004728) |
| Lampung  | Transport injuries                            | 5   | 2,283.8 (1,370.7, 3,413.6) | 0.005589 (0.0033543, 0.0083534) | 803.1 (448.3, 1,281.4)     | 0.002111 (0.0011782, 0.003676)  |
| Lampung  | Other unintentional injuries                  | 5   | 1,052.8 (605.5, 1,693.4)   | 0.002576 (0.0014818, 0.0041438) | 463.2 (260.6, 768.2)       | 0.001217 (0.0006849, 0.0020190) |
| Lampung  | Diarrheal diseases                            | 10  | 1,179.3 (675.2, 1,823.0)   | 0.002822 (0.0016157, 0.0043622) | 1,046.2 (635.6, 1,563.5)   | 0.002622 (0.0015930, 0.0039187) |
| Lampung  | HIV/AIDS                                      | 10  | 133.7 (31.8, 362.6)        | 0.000320 (0.0000761, 0.0008677) | 84.1 (22.0, 235.6)         | 0.000211 (0.0000552, 0.0005906) |
| Lampung  | Lower respiratory infections                  | 10  | 1,433.1 (875.9, 2,092.3)   | 0.003429 (0.0020960, 0.0050066) | 883.4 (540.8, 1,308.5)     | 0.002214 (0.0013554, 0.0032796) |
| Lampung  | Malaria                                       | 10  | 131.5 (34.9, 359.0)        | 0.000315 (0.0000836, 0.0008589) | 85.3 (24.9, 232.5)         | 0.000214 (0.0000623, 0.0005826) |
| Lampung  | Tuberculosis                                  | 10  | 919.2 (539.3, 1,433.3)     | 0.002200 (0.0012904, 0.0034296) | 606.3 (366.5, 956.1)       | 0.001519 (0.0009185, 0.0023963) |
| Lampung  | Maternal disorders                            | 10  |                            |                                 | 66.5 (10.9, 176.4)         | 0.000167 (0.0000273, 0.0004421) |
| Lampung  | Other communicable diseases                   | 10  | 3,937.3 (2,997.7, 5,041.1) | 0.009421 (0.0071729, 0.0120624) | 2,446.0 (1,827.7, 3,159.9) | 0.006131 (0.0045808, 0.0079196) |
| Lampung  | Other malignant neoplasms                     | 10  | 1,029.0 (627.7, 1,583.8)   | 0.002462 (0.0015020, 0.0037898) | 921.7 (589.1, 1,349.5)     | 0.002310 (0.0014766, 0.0038822) |
| Lampung  | Cerebrovascular disease                       | 10  | 345.5 (198.1, 557.4)       | 0.000827 (0.0004741, 0.0013338) | 368.2 (217.1, 578.2)       | 0.000923 (0.0005441, 0.0014492) |
| Lampung  | Ischemic heart disease                        | 10  | 174.1 (92.9, 301.3)        | 0.000417 (0.0002222, 0.0007210) | 197.3 (109.2, 331.2)       | 0.000495 (0.0002736, 0.0008300) |
| Lampung  | Other cardiovascular and circulatory diseases | 10  | 266.6 (132.5, 497.2)       | 0.000638 (0.0003170, 0.0011896) | 272.3 (138.9, 477.2)       | 0.000682 (0.0003481, 0.0011960) |
| Lampung  | Diabetes mellitus                             | 10  | 150.9 (76.6, 264.0)        | 0.000361 (0.0001833, 0.0006318) | 243.2 (123.3, 409.2)       | 0.000609 (0.0003090, 0.0010255) |
| Lampung  | Chronic kidney disease                        | 10  | 497.9 (295.5, 742.6)       | 0.001191 (0.0007072, 0.0017769) | 467.8 (284.9, 700.9)       | 0.001173 (0.0007139, 0.0017568) |
| Lampung  | Cirrhosis                                     | 10  | 807.0 (498.6, 1,256.3)     | 0.001931 (0.0011931, 0.0030062) | 396.8 (242.8, 622.6)       | 0.000995 (0.0006085, 0.0015605) |
| Lampung  | Chronic respiratory diseases                  | 10  | 676.2 (378.6, 1,051.2)     | 0.001618 (0.0009059, 0.0025152) | 266.4 (144.4, 443.2)       | 0.000668 (0.0003619, 0.0011108) |
| Lampung  | Other non-communicable diseases               | 10  | 2,969.4 (2,322.6, 3,756.8) | 0.007105 (0.0055575, 0.0089894) | 2,763.5 (2,206.0, 3,405.9) | 0.006926 (0.0055288, 0.0085363) |
| Lampung  | Drowning                                      | 10  | 1,689.6 (968.2, 2,574.0)   | 0.004043 (0.0023167, 0.0061592) | 488.5 (247.7, 828.3)       | 0.001224 (0.0006207, 0.0020760) |
| Lampung  | Falls                                         | 10  | 399.1 (171.1, 778.6)       | 0.000955 (0.0004094, 0.0018631) | 151.6 (62.3, 304.2)        | 0.000380 (0.0001561, 0.0007625) |
| Lampung  | Interpersonal violence                        | 10  | 186.2 (100.4, 323.2)       | 0.000446 (0.0002402, 0.0007733) | 123.3 (61.4, 210.1)        | 0.000309 (0.0001539, 0.0005267) |
| Lampung  | Self-harm                                     | 10  | 565.9 (245.1, 1,145.8)     | 0.001354 (0.0005865, 0.0027417) | 321.3 (144.6, 611.2)       | 0.000805 (0.0003623, 0.0015318) |
| Lampung  | Transport injuries                            | 10  | 3,452.2 (2,419.2, 4,595.1) | 0.008261 (0.0057886, 0.0109954) | 1,088.4 (675.9, 1,594.5)   | 0.002728 (0.0016941, 0.0039963) |
| Lampung  | Other unintentional injuries                  | 10  | 1,058.2 (661.8, 1,612.2)   | 0.002532 (0.0015836, 0.0038576) | 400.5 (239.6, 646.6)       | 0.001004 (0.0006005, 0.0016206) |
| Lampung  | Diarrheal diseases                            | 15  | 732.1 (368.1, 1,247.4)     | 0.001923 (0.0009670, 0.0032775) | 495.2 (258.7, 824.9)       | 0.001413 (0.0007379, 0.0023531) |
| Lampung  | HIV/AIDS                                      | 15  | 138.0 (32.3, 427.4)        | 0.000363 (0.0000849, 0.0011230) | 70.1 (16.0, 207.6)         | 0.000200 (0.0000457, 0.0005922) |
| Lampung  | Lower respiratory infections                  | 15  | 808.2 (433.7, 1,399.9)     | 0.002124 (0.0011394, 0.0036782) | 348.9 (173.5, 600.9)       | 0.000995 (0.0004949, 0.0017142) |
| Lampung  | Malaria                                       | 15  | 348.7 (104.3, 902.6)       | 0.000916 (0.0002741, 0.0023715) | 185.8 (51.3, 490.3)        | 0.000530 (0.0001463, 0.0013986) |
| Lampung  | Tuberculosis                                  | 15  | 1,916.2 (1,239.0, 2,899.1) | 0.005035 (0.0032554, 0.0076169) | 915.7 (593.7, 1,336.3)     | 0.002612 (0.0016936, 0.0038120) |
| Lampung  | Maternal disorders                            | 15  |                            |                                 | 910.9 (521.8, 1,480.6)     | 0.002599 (0.0014884, 0.0042237) |
| Lampung  | Other communicable diseases                   | 15  | 3,007.4 (2,027.2, 4,323.6) | 0.007902 (0.0053262, 0.0113596) | 1,371.4 (884.1, 1,926.6)   | 0.003912 (0.0025221, 0.0054959) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 15  | 243.2 (74.1, 607.8)        | 0.000639 (0.0001946, 0.0015968) | 90.4 (27.0, 228.8)         | 0.000258 (0.0000770, 0.0006528) |
| Lampung  | Breast cancer                                 | 15  | 4.2 (0.4, 17.8)            | 0.000011 (0.0000011, 0.0000469) | 138.9 (34.0, 350.6)        | 0.000396 (0.0000969, 0.0010002) |
| Lampung  | Cervical cancer                               | 15  |                            |                                 | 81.1 (14.6, 233.2)         | 0.000232 (0.0000417, 0.0006653) |
| Lampung  | Other malignant neoplasms                     | 15  | 1,066.4 (626.4, 1,694.7)   | 0.002802 (0.0016458, 0.0044527) | 1,244.8 (756.3, 1,818.6)   | 0.003551 (0.0021574, 0.0051880) |
| Lampung  | Cerebrovascular disease                       | 15  | 674.6 (385.0, 1,087.3)     | 0.001772 (0.0010114, 0.0028568) | 605.9 (350.0, 945.6)       | 0.001728 (0.0009984, 0.0026974) |
| Lampung  | Ischemic heart disease                        | 15  | 619.8 (364.3, 955.3)       | 0.001629 (0.0009572, 0.0025100) | 489.1 (300.6, 781.6)       | 0.001395 (0.0008574, 0.0022298) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Lampung  | Other cardiovascular and circulatory diseases | 15  | 424.1 (211.4, 788.1)        | 0.001114 (0.0005555, 0.0020705) | 430.0 (203.1, 755.0)       | 0.001227 (0.0005793, 0.0021539) |
| Lampung  | Diabetes mellitus                             | 15  | 237.1 (115.2, 415.8)        | 0.000623 (0.0003027, 0.0010925) | 390.2 (198.5, 673.6)       | 0.001113 (0.0005662, 0.0019216) |
| Lampung  | Chronic kidney disease                        | 15  | 719.9 (424.4, 1,121.8)      | 0.001891 (0.0011151, 0.0029474) | 704.5 (406.3, 1,089.9)     | 0.002010 (0.0011591, 0.0031092) |
| Lampung  | Cirrhosis                                     | 15  | 970.5 (569.9, 1,546.8)      | 0.002550 (0.0014974, 0.0040639) | 472.8 (270.7, 780.3)       | 0.001349 (0.0007723, 0.0022258) |
| Lampung  | Chronic respiratory diseases                  | 15  | 567.1 (314.5, 964.2)        | 0.001490 (0.0008264, 0.0025333) | 296.6 (153.6, 514.6)       | 0.000846 (0.0004381, 0.0014680) |
| Lampung  | Other non-communicable diseases               | 15  | 3,686.9 (2,692.9, 5,105.8)  | 0.009687 (0.0070752, 0.0134149) | 3,104.2 (2,411.4, 3,909.3) | 0.008856 (0.0068791, 0.0111521) |
| Lampung  | Drowning                                      | 15  | 910.2 (455.8, 1,540.7)      | 0.002391 (0.0011975, 0.0040481) | 215.0 (91.7, 391.6)        | 0.000613 (0.0002617, 0.0011172) |
| Lampung  | Falls                                         | 15  | 369.5 (169.5, 670.6)        | 0.000971 (0.0004454, 0.0017618) | 124.6 (53.7, 248.0)        | 0.000356 (0.0001533, 0.0007074) |
| Lampung  | Interpersonal violence                        | 15  | 438.3 (256.3, 696.3)        | 0.001152 (0.0006735, 0.0018294) | 294.0 (147.7, 524.1)       | 0.000839 (0.0004212, 0.0014952) |
| Lampung  | Self-harm                                     | 15  | 1,133.0 (575.5, 2,006.2)    | 0.002977 (0.0015120, 0.0052711) | 660.7 (313.9, 1,131.3)     | 0.001885 (0.0008956, 0.0032271) |
| Lampung  | Transport injuries                            | 15  | 9,622.0 (7,437.1, 13,042.0) | 0.025281 (0.0195400, 0.0342664) | 3,162.1 (2,266.9, 4,123.5) | 0.009021 (0.0064668, 0.0117633) |
| Lampung  | Other unintentional injuries                  | 15  | 1,576.8 (1,005.5, 2,397.1)  | 0.004143 (0.0026418, 0.0062982) | 564.6 (322.6, 913.7)       | 0.001611 (0.0009202, 0.0026064) |
| Lampung  | Diarrheal diseases                            | 20  | 719.9 (388.5, 1,300.6)      | 0.002023 (0.0010920, 0.0036556) | 501.8 (290.7, 844.1)       | 0.001467 (0.0008499, 0.0024676) |
| Lampung  | HIV/AIDS                                      | 20  | 485.2 (148.7, 1,154.5)      | 0.001364 (0.0004180, 0.0032451) | 238.0 (74.9, 605.7)        | 0.000696 (0.0002190, 0.0017706) |
| Lampung  | Lower respiratory infections                  | 20  | 849.7 (453.4, 1,472.9)      | 0.002388 (0.0012744, 0.0041399) | 328.3 (165.2, 579.7)       | 0.000960 (0.0004829, 0.0016948) |
| Lampung  | Malaria                                       | 20  | 415.6 (127.3, 1,077.8)      | 0.001168 (0.0003578, 0.0030293) | 220.8 (63.7, 587.4)        | 0.000646 (0.0001863, 0.0017170) |
| Lampung  | Tuberculosis                                  | 20  | 3,989.9 (2,805.7, 5,626.3)  | 0.011215 (0.0078863, 0.0158141) | 1,590.2 (1,105.4, 2,165.6) | 0.004649 (0.0032315, 0.0063308) |
| Lampung  | Maternal disorders                            | 20  |                             |                                 | 852.5 (498.9, 1,331.8)     | 0.002492 (0.0014585, 0.0038934) |
| Lampung  | Other communicable diseases                   | 20  | 3,879.5 (2,679.1, 5,539.6)  | 0.010904 (0.0075303, 0.0155704) | 1,837.1 (1,276.8, 2,456.3) | 0.005370 (0.0037325, 0.0071805) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 20  | 182.7 (46.9, 478.6)         | 0.000514 (0.0001318, 0.0013453) | 132.1 (43.8, 311.0)        | 0.000386 (0.0001280, 0.0009091) |
| Lampung  | Breast cancer                                 | 20  | 5.0 (0.9, 14.9)             | 0.000014 (0.0000024, 0.0000419) | 390.4 (153.3, 754.3)       | 0.001141 (0.0004481, 0.0022050) |
| Lampung  | Cervical cancer                               | 20  |                             |                                 | 165.5 (35.9, 421.7)        | 0.000484 (0.0001050, 0.0012327) |
| Lampung  | Other malignant neoplasms                     | 20  | 935.0 (560.9, 1,452.0)      | 0.002628 (0.0015764, 0.0040811) | 1,285.0 (788.4, 1,935.2)   | 0.003757 (0.0023047, 0.0056573) |
| Lampung  | Cerebrovascular disease                       | 20  | 1,249.0 (796.4, 1,861.0)    | 0.003511 (0.0022384, 0.0052308) | 903.5 (600.2, 1,305.2)     | 0.002641 (0.0017546, 0.0038155) |
| Lampung  | Ischemic heart disease                        | 20  | 1,100.7 (679.7, 1,671.6)    | 0.003094 (0.0019105, 0.0046985) | 543.9 (340.6, 805.3)       | 0.001590 (0.0009958, 0.0023542) |
| Lampung  | Other cardiovascular and circulatory diseases | 20  | 622.6 (335.7, 1,044.4)      | 0.001750 (0.0009434, 0.0029356) | 574.6 (324.8, 956.3)       | 0.001680 (0.0009496, 0.0027955) |
| Lampung  | Diabetes mellitus                             | 20  | 215.8 (115.4, 366.3)        | 0.000607 (0.0003245, 0.0010295) | 329.7 (185.2, 551.6)       | 0.000964 (0.0005414, 0.0016126) |
| Lampung  | Chronic kidney disease                        | 20  | 1,042.2 (631.7, 1,593.7)    | 0.002929 (0.0017756, 0.0044795) | 932.8 (592.0, 1,376.6)     | 0.002727 (0.0017306, 0.0040241) |
| Lampung  | Cirrhosis                                     | 20  | 1,496.7 (949.2, 2,382.1)    | 0.004207 (0.0026679, 0.0066954) | 687.4 (419.1, 1,050.7)     | 0.002010 (0.0012252, 0.0030714) |
| Lampung  | Chronic respiratory diseases                  | 20  | 1,162.1 (703.8, 1,808.8)    | 0.003267 (0.0019783, 0.0050841) | 698.4 (426.2, 1,041.3)     | 0.002042 (0.0012460, 0.0030441) |
| Lampung  | Other non-communicable diseases               | 20  | 3,443.4 (2,504.9, 4,770.7)  | 0.009678 (0.0070405, 0.0134092) | 2,504.7 (1,905.6, 3,220.3) | 0.007322 (0.0055708, 0.0094141) |
| Lampung  | Drowning                                      | 20  | 699.7 (316.3, 1,243.3)      | 0.001967 (0.0008889, 0.0034945) | 138.9 (58.1, 273.1)        | 0.000406 (0.0001699, 0.0007984) |
| Lampung  | Falls                                         | 20  | 372.3 (156.1, 691.0)        | 0.001047 (0.0004387, 0.0019422) | 104.2 (42.3, 205.9)        | 0.000305 (0.0001236, 0.0006018) |
| Lampung  | Interpersonal violence                        | 20  | 484.4 (275.5, 788.4)        | 0.001362 (0.0007743, 0.0022159) | 255.1 (134.9, 440.1)       | 0.000746 (0.0003942, 0.0012864) |
| Lampung  | Self-harm                                     | 20  | 1,056.2 (546.4, 1,818.7)    | 0.002969 (0.0015358, 0.0051118) | 482.2 (232.9, 817.8)       | 0.001410 (0.0006807, 0.0023906) |
| Lampung  | Transport injuries                            | 20  | 7,828.2 (5,651.0, 11,040.6) | 0.022003 (0.0158834, 0.0310324) | 1,974.8 (1,372.2, 2,725.8) | 0.005773 (0.0040112, 0.0079683) |
| Lampung  | Other unintentional injuries                  | 20  | 1,695.1 (1,076.6, 2,624.8)  | 0.004765 (0.0030260, 0.0073777) | 490.4 (283.4, 776.4)       | 0.001434 (0.0008284, 0.0022695) |
| Lampung  | Diarrheal diseases                            | 25  | 1,043.6 (595.0, 1,673.5)    | 0.002810 (0.0016023, 0.0045065) | 676.9 (395.0, 1,080.7)     | 0.001893 (0.0011047, 0.0030223) |
| Lampung  | HIV/AIDS                                      | 25  | 916.5 (311.8, 2,224.1)      | 0.002468 (0.0008397, 0.0059893) | 419.9 (145.2, 1,052.3)     | 0.001174 (0.0004062, 0.0029429) |
| Lampung  | Lower respiratory infections                  | 25  | 924.9 (502.8, 1,560.0)      | 0.002491 (0.0013540, 0.0042010) | 327.2 (164.0, 577.0)       | 0.000915 (0.0004587, 0.0016137) |
| Lampung  | Malaria                                       | 25  | 446.1 (140.3, 1,146.7)      | 0.001201 (0.0003778, 0.0030879) | 212.0 (62.7, 551.5)        | 0.000593 (0.0001755, 0.0015423) |
| Lampung  | Tuberculosis                                  | 25  | 5,633.6 (4,098.0, 7,427.3)  | 0.015171 (0.0110357, 0.0200012) | 1,948.4 (1,336.7, 2,671.2) | 0.005449 (0.0037384, 0.0074704) |
| Lampung  | Maternal disorders                            | 25  |                             |                                 | 971.7 (572.2, 1,549.5)     | 0.002718 (0.0016003, 0.0043336) |
| Lampung  | Other communicable diseases                   | 25  | 4,234.4 (3,006.5, 5,716.3)  | 0.011403 (0.0080964, 0.0153936) | 1,886.9 (1,312.1, 2,622.3) | 0.005277 (0.0036695, 0.0073337) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 25  | 225.6 (58.8, 567.0)         | 0.000608 (0.0001583, 0.0015269) | 165.1 (56.8, 372.1)        | 0.000462 (0.0001588, 0.0010405) |
| Lampung  | Breast cancer                                 | 25  | 4.6 (0.9, 15.5)             | 0.000012 (0.0000023, 0.0000418) | 745.7 (344.5, 1,247.6)     | 0.002085 (0.0009636, 0.0034893) |
| Lampung  | Cervical cancer                               | 25  |                             |                                 | 287.1 (76.3, 674.3)        | 0.000803 (0.0002134, 0.0018858) |
| Lampung  | Other malignant neoplasms                     | 25  | 1,180.8 (737.8, 1,778.3)    | 0.003180 (0.0019869, 0.0047889) | 1,352.6 (806.4, 2,149.2)   | 0.003783 (0.0022553, 0.0060108) |
| Lampung  | Cerebrovascular disease                       | 25  | 2,291.8 (1,659.5, 3,102.4)  | 0.006172 (0.0044688, 0.0083545) | 1,433.8 (1,019.9, 1,964.0) | 0.004010 (0.0028525, 0.0054927) |
| Lampung  | Ischemic heart disease                        | 25  | 2,216.8 (1,548.0, 3,100.2)  | 0.005970 (0.0041685, 0.0083486) | 857.1 (559.8, 1,244.5)     | 0.002397 (0.0015655, 0.0034805) |
| Lampung  | Other cardiovascular and circulatory diseases | 25  | 829.9 (472.4, 1,332.4)      | 0.002235 (0.0012723, 0.0035882) | 692.1 (406.6, 1,119.6)     | 0.001936 (0.0011372, 0.0031313) |
| Lampung  | Diabetes mellitus                             | 25  | 367.7 (223.9, 575.8)        | 0.000990 (0.0006030, 0.0015507) | 490.1 (304.3, 742.2)       | 0.001371 (0.0008510, 0.0020758) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Lampung  | Chronic kidney disease                        | 25  | 1,189.6 (789.1, 1,738.6)   | 0.003204 (0.0021250, 0.0046819) | 927.0 (592.1, 1,355.3)     | 0.002593 (0.0016560, 0.0037905) |
| Lampung  | Cirrhosis                                     | 25  | 2,109.4 (1,430.2, 3,206.0) | 0.005681 (0.0038514, 0.0086335) | 868.4 (555.8, 1,290.3)     | 0.002429 (0.0015543, 0.0036086) |
| Lampung  | Chronic respiratory diseases                  | 25  | 1,390.3 (876.2, 2,038.2)   | 0.003744 (0.0023594, 0.0054888) | 804.6 (509.9, 1,191.1)     | 0.002250 (0.0014261, 0.0033311) |
| Lampung  | Other non-communicable diseases               | 25  | 4,088.2 (3,131.6, 5,475.3) | 0.011009 (0.0084331, 0.0147444) | 2,637.0 (1,927.0, 3,490.1) | 0.007375 (0.0053893, 0.0097608) |
| Lampung  | Drowning                                      | 25  | 464.4 (200.6, 891.3)       | 0.001251 (0.0005402, 0.0024002) | 82.2 (33.3, 167.2)         | 0.000230 (0.0000933, 0.0004677) |
| Lampung  | Falls                                         | 25  | 526.3 (223.8, 951.7)       | 0.001417 (0.0006026, 0.0025629) | 129.8 (56.6, 249.5)        | 0.000363 (0.0001582, 0.0006978) |
| Lampung  | Interpersonal violence                        | 25  | 472.4 (276.4, 772.6)       | 0.001272 (0.0007445, 0.0020807) | 205.4 (104.7, 350.6)       | 0.000575 (0.0002928, 0.0009806) |
| Lampung  | Self-harm                                     | 25  | 951.9 (495.7, 1,601.3)     | 0.002564 (0.0013349, 0.0043121) | 354.7 (169.1, 658.7)       | 0.000992 (0.0004728, 0.0018422) |
| Lampung  | Transport injuries                            | 25  | 5,309.0 (3,711.4, 7,431.5) | 0.014297 (0.0099945, 0.0200125) | 1,066.2 (656.9, 1,554.3)   | 0.002982 (0.0018371, 0.0043469) |
| Lampung  | Other unintentional injuries                  | 25  | 1,976.2 (1,258.7, 2,970.2) | 0.005322 (0.0033896, 0.0079984) | 485.7 (285.6, 794.7)       | 0.001358 (0.0007987, 0.0022225) |
| Lampung  | Diarrheal diseases                            | 30  | 1,102.0 (609.3, 1,743.6)   | 0.003055 (0.0016889, 0.0048329) | 640.9 (358.8, 990.3)       | 0.001896 (0.0010616, 0.0029303) |
| Lampung  | HIV/AIDS                                      | 30  | 871.8 (299.0, 2,045.8)     | 0.002416 (0.0008287, 0.0056708) | 371.1 (126.4, 878.5)       | 0.001098 (0.0003740, 0.0025992) |
| Lampung  | Lower respiratory infections                  | 30  | 804.2 (424.0, 1,371.9)     | 0.002229 (0.0011754, 0.0038027) | 271.5 (133.5, 466.0)       | 0.000803 (0.0003950, 0.0013788) |
| Lampung  | Malaria                                       | 30  | 349.7 (109.4, 878.4)       | 0.000969 (0.0003033, 0.0024348) | 142.5 (42.7, 379.4)        | 0.000422 (0.0001264, 0.0011225) |
| Lampung  | Tuberculosis                                  | 30  | 5,093.6 (3,689.5, 6,676.5) | 0.014119 (0.0102269, 0.0185065) | 1,598.8 (1,037.4, 2,261.4) | 0.004731 (0.0030695, 0.0066910) |
| Lampung  | Maternal disorders                            | 30  |                            |                                 | 1,500.3 (926.2, 2,288.8)   | 0.004439 (0.0027405, 0.0067721) |
| Lampung  | Other communicable diseases                   | 30  | 2,850.3 (1,956.0, 3,979.7) | 0.007901 (0.0054219, 0.0110313) | 1,151.5 (750.0, 1,686.1)   | 0.003407 (0.0022192, 0.0049890) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 30  | 447.0 (144.3, 1,006.1)     | 0.001239 (0.0003999, 0.0027887) | 178.7 (69.4, 411.8)        | 0.000529 (0.0002052, 0.0012185) |
| Lampung  | Breast cancer                                 | 30  | 5.9 (0.8, 21.4)            | 0.000016 (0.0000022, 0.0000592) | 1,102.8 (533.1, 1,795.9)   | 0.003263 (0.0015773, 0.0053138) |
| Lampung  | Cervical cancer                               | 30  |                            |                                 | 477.9 (149.1, 1,070.1)     | 0.001414 (0.0004411, 0.0031664) |
| Lampung  | Other malignant neoplasms                     | 30  | 1,525.2 (941.6, 2,259.8)   | 0.004228 (0.0026100, 0.0062638) | 1,330.5 (753.6, 2,164.4)   | 0.003937 (0.0022298, 0.0064041) |
| Lampung  | Cerebrovascular disease                       | 30  | 3,453.5 (2,572.6, 4,537.6) | 0.009573 (0.0071311, 0.0125777) | 2,203.9 (1,590.9, 3,073.7) | 0.006521 (0.0047073, 0.0090947) |
| Lampung  | Ischemic heart disease                        | 30  | 3,023.2 (2,135.2, 4,076.0) | 0.008380 (0.0059184, 0.0112981) | 1,195.1 (781.1, 1,705.8)   | 0.003536 (0.0023110, 0.0050473) |
| Lampung  | Other cardiovascular and circulatory diseases | 30  | 975.3 (574.2, 1,511.2)     | 0.002703 (0.0015917, 0.0041888) | 812.8 (471.4, 1,280.3)     | 0.002405 (0.0013948, 0.0037883) |
| Lampung  | Diabetes mellitus                             | 30  | 582.6 (394.3, 851.7)       | 0.001615 (0.0010930, 0.0023609) | 758.8 (502.5, 1,134.1)     | 0.002245 (0.0014868, 0.0033557) |
| Lampung  | Chronic kidney disease                        | 30  | 1,240.4 (842.0, 1,762.5)   | 0.003438 (0.0023338, 0.0048855) | 941.1 (598.1, 1,426.1)     | 0.002784 (0.0017698, 0.0042196) |
| Lampung  | Cirrhosis                                     | 30  | 2,667.8 (1,867.5, 3,854.2) | 0.007395 (0.0051766, 0.0106833) | 1,110.7 (728.1, 1,628.6)   | 0.003286 (0.0021544, 0.0048187) |
| Lampung  | Chronic respiratory diseases                  | 30  | 1,388.1 (893.7, 2,043.0)   | 0.003848 (0.0024773, 0.0056628) | 792.3 (494.7, 1,205.3)     | 0.002344 (0.0014636, 0.0035663) |
| Lampung  | Other non-communicable diseases               | 30  | 4,086.9 (3,103.2, 5,480.4) | 0.011328 (0.0086018, 0.0151911) | 2,675.5 (1,917.9, 3,686.4) | 0.007917 (0.0056748, 0.0109075) |
| Lampung  | Drowning                                      | 30  | 507.2 (229.2, 929.4)       | 0.001406 (0.0006352, 0.0025762) | 103.8 (43.3, 194.1)        | 0.000307 (0.0001282, 0.0005744) |
| Lampung  | Falls                                         | 30  | 609.1 (275.6, 1,098.0)     | 0.001688 (0.0007638, 0.0030434) | 168.1 (71.9, 322.0)        | 0.000497 (0.0002128, 0.0009527) |
| Lampung  | Interpersonal violence                        | 30  | 345.8 (201.1, 575.2)       | 0.000959 (0.0005575, 0.0015945) | 155.3 (81.0, 266.7)        | 0.000460 (0.0002397, 0.0007893) |
| Lampung  | Self-harm                                     | 30  | 684.4 (351.2, 1,173.6)     | 0.001897 (0.0009736, 0.0032531) | 260.2 (120.7, 480.4)       | 0.000770 (0.0003572, 0.0014213) |
| Lampung  | Transport injuries                            | 30  | 4,402.6 (2,997.0, 6,160.3) | 0.012203 (0.0083072, 0.0170755) | 951.5 (581.1, 1,410.6)     | 0.002815 (0.0017195, 0.0041739) |
| Lampung  | Other unintentional injuries                  | 30  | 1,729.1 (1,079.6, 2,590.2) | 0.004793 (0.0029926, 0.0071796) | 453.4 (262.9, 741.2)       | 0.001342 (0.0007778, 0.0021932) |
| Lampung  | Diarrheal diseases                            | 35  | 891.1 (508.2, 1,442.5)     | 0.002790 (0.0015911, 0.0045160) | 660.1 (384.5, 1,040.6)     | 0.002171 (0.0012643, 0.0034216) |
| Lampung  | HIV/AIDS                                      | 35  | 686.0 (234.0, 1,621.0)     | 0.002148 (0.0007325, 0.0050748) | 359.2 (120.7, 912.4)       | 0.001181 (0.0003969, 0.0030001) |
| Lampung  | Lower respiratory infections                  | 35  | 767.2 (418.2, 1,273.1)     | 0.002402 (0.0013093, 0.0039855) | 332.5 (169.8, 578.7)       | 0.001093 (0.0005582, 0.0019027) |
| Lampung  | Malaria                                       | 35  | 276.7 (87.6, 697.0)        | 0.000866 (0.0002743, 0.0021820) | 136.6 (40.5, 361.6)        | 0.000449 (0.0001331, 0.0011889) |
| Lampung  | Tuberculosis                                  | 35  | 4,719.6 (3,442.1, 6,142.5) | 0.014775 (0.0107758, 0.0192300) | 1,819.7 (1,174.7, 2,566.7) | 0.005983 (0.0038626, 0.0084395) |
| Lampung  | Maternal disorders                            | 35  |                            |                                 | 1,312.5 (797.8, 2,083.0)   | 0.004316 (0.0026232, 0.0068490) |
| Lampung  | Other communicable diseases                   | 35  | 2,356.8 (1,536.4, 3,349.1) | 0.007378 (0.0048100, 0.0104847) | 1,226.1 (780.8, 1,860.5)   | 0.004032 (0.0025673, 0.0061175) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 35  | 401.9 (132.5, 939.9)       | 0.001258 (0.0004147, 0.0029426) | 232.9 (92.2, 520.1)        | 0.000766 (0.0003031, 0.0017101) |
| Lampung  | Breast cancer                                 | 35  | 10.5 (1.5, 34.1)           | 0.000033 (0.0000046, 0.0001066) | 1,573.9 (741.6, 2,545.1)   | 0.005175 (0.0024386, 0.0083686) |
| Lampung  | Cervical cancer                               | 35  |                            |                                 | 789.8 (255.4, 1,653.3)     | 0.002597 (0.0008397, 0.0054363) |
| Lampung  | Other malignant neoplasms                     | 35  | 2,070.5 (1,330.7, 3,009.0) | 0.006482 (0.0041661, 0.0094202) | 1,436.7 (784.7, 2,411.8)   | 0.004724 (0.0025802, 0.0079302) |
| Lampung  | Cerebrovascular disease                       | 35  | 5,068.3 (3,868.1, 6,491.2) | 0.015867 (0.0121096, 0.0203216) | 3,626.2 (2,644.8, 4,955.7) | 0.011923 (0.0086963, 0.0162949) |
| Lampung  | Ischemic heart disease                        | 35  | 3,865.7 (2,810.7, 5,085.0) | 0.012102 (0.0087994, 0.0159193) | 1,789.1 (1,173.2, 2,543.8) | 0.005883 (0.0038574, 0.0083640) |
| Lampung  | Other cardiovascular and circulatory diseases | 35  | 1,187.2 (716.5, 1,813.9)   | 0.003717 (0.0022430, 0.0056787) | 1,064.7 (633.3, 1,645.1)   | 0.003501 (0.0020822, 0.0054093) |
| Lampung  | Diabetes mellitus                             | 35  | 1,015.8 (703.4, 1,446.9)   | 0.003180 (0.0022020, 0.0045298) | 1,406.4 (956.4, 2,038.8)   | 0.004624 (0.0031446, 0.0067037) |
| Lampung  | Chronic kidney disease                        | 35  | 1,360.3 (940.1, 1,908.4)   | 0.004259 (0.0029430, 0.0059744) | 1,096.2 (707.6, 1,637.2)   | 0.003604 (0.0023267, 0.0053831) |
| Lampung  | Cirrhosis                                     | 35  | 3,136.0 (2,206.7, 4,409.8) | 0.009818 (0.0069082, 0.0138054) | 1,440.3 (933.4, 2,096.9)   | 0.004736 (0.0030690, 0.0068946) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                        |                                 | Females                     |                                 |
|----------|-----------------------------------------------|-----|------------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Lampung  | Chronic respiratory diseases                  | 35  | 1,618.7 (1,065.7, 2,364.9)   | 0.005068 (0.0033362, 0.0074037) | 921.0 (579.4, 1,378.0)      | 0.003028 (0.0019051, 0.0045310) |
| Lampung  | Other non-communicable diseases               | 35  | 3,992.8 (2,990.8, 5,173.3)   | 0.012500 (0.0093629, 0.0161956) | 2,888.3 (2,065.6, 4,001.8)  | 0.009497 (0.0067918, 0.0131582) |
| Lampung  | Drowning                                      | 35  | 599.3 (277.6, 1,052.7)       | 0.001876 (0.0008690, 0.0032956) | 155.9 (67.7, 300.2)         | 0.000513 (0.0002226, 0.0009872) |
| Lampung  | Falls                                         | 35  | 574.9 (257.3, 1,022.4)       | 0.001800 (0.0008056, 0.0032006) | 195.3 (83.3, 372.2)         | 0.000642 (0.0002741, 0.0012240) |
| Lampung  | Interpersonal violence                        | 35  | 269.2 (153.9, 441.0)         | 0.000843 (0.0004817, 0.0013807) | 137.3 (69.2, 234.2)         | 0.000452 (0.0002276, 0.0007701) |
| Lampung  | Self-harm                                     | 35  | 570.9 (279.7, 1,006.3)       | 0.001787 (0.0008757, 0.0031502) | 242.9 (113.7, 446.9)        | 0.000799 (0.0003739, 0.0014694) |
| Lampung  | Transport injuries                            | 35  | 3,309.7 (2,158.8, 4,773.6)   | 0.010362 (0.0067585, 0.0149443) | 839.6 (489.4, 1,279.9)      | 0.002761 (0.0016091, 0.0042086) |
| Lampung  | Other unintentional injuries                  | 35  | 1,500.7 (914.9, 2,305.1)     | 0.004698 (0.0028643, 0.0072166) | 461.1 (262.2, 753.1)        | 0.001516 (0.0008623, 0.0024763) |
| Lampung  | Diarrheal diseases                            | 40  | 906.3 (511.0, 1,425.2)       | 0.003245 (0.0018295, 0.0051027) | 806.1 (472.2, 1,252.0)      | 0.003090 (0.0018099, 0.0047991) |
| Lampung  | HIV/AIDS                                      | 40  | 332.6 (105.2, 837.9)         | 0.001191 (0.0003768, 0.0029999) | 206.1 (65.8, 522.0)         | 0.000790 (0.0002523, 0.0020011) |
| Lampung  | Lower respiratory infections                  | 40  | 697.4 (377.3, 1,177.7)       | 0.002497 (0.0013508, 0.0042167) | 385.7 (198.2, 674.9)        | 0.001479 (0.0007599, 0.0025872) |
| Lampung  | Malaria                                       | 40  | 262.6 (79.3, 634.3)          | 0.000940 (0.0002839, 0.0022712) | 138.6 (40.8, 361.4)         | 0.000531 (0.0001564, 0.0013852) |
| Lampung  | Tuberculosis                                  | 40  | 4,069.2 (2,953.4, 5,425.2)   | 0.014569 (0.0105743, 0.0194244) | 1,770.5 (1,151.2, 2,475.1)  | 0.006787 (0.0044129, 0.0094875) |
| Lampung  | Maternal disorders                            | 40  |                              |                                 | 416.0 (223.3, 735.4)        | 0.001595 (0.0008559, 0.0028189) |
| Lampung  | Other communicable diseases                   | 40  | 2,142.0 (1,406.0, 3,018.9)   | 0.007669 (0.0050340, 0.0108087) | 1,385.5 (860.0, 2,042.8)    | 0.005311 (0.0032966, 0.0078304) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 40  | 635.2 (244.5, 1,325.2)       | 0.002274 (0.0008753, 0.0047447) | 266.8 (106.3, 572.6)        | 0.001023 (0.0004076, 0.0021950) |
| Lampung  | Breast cancer                                 | 40  | 22.4 (4.8, 65.3)             | 0.000080 (0.0000171, 0.0002338) | 1,844.0 (929.7, 2,913.2)    | 0.007069 (0.0035638, 0.0111668) |
| Lampung  | Cervical cancer                               | 40  |                              |                                 | 988.3 (328.8, 2,021.2)      | 0.003788 (0.0012605, 0.0077474) |
| Lampung  | Other malignant neoplasms                     | 40  | 2,708.2 (1,776.5, 3,960.1)   | 0.009696 (0.0063605, 0.0141789) | 1,404.1 (734.0, 2,359.9)    | 0.005382 (0.0028134, 0.0090459) |
| Lampung  | Cerebrovascular disease                       | 40  | 7,827.8 (6,092.0, 9,903.1)   | 0.028027 (0.0218119, 0.0354573) | 5,429.5 (3,983.3, 7,287.3)  | 0.020812 (0.0152685, 0.0279334) |
| Lampung  | Ischemic heart disease                        | 40  | 5,701.6 (4,191.8, 7,406.0)   | 0.020414 (0.0150084, 0.0265163) | 2,565.2 (1,712.8, 3,555.8)  | 0.009833 (0.0065655, 0.0136298) |
| Lampung  | Other cardiovascular and circulatory diseases | 40  | 1,658.3 (1,032.0, 2,526.4)   | 0.005937 (0.0036949, 0.0090456) | 1,364.9 (831.8, 2,074.6)    | 0.005232 (0.0031885, 0.0079522) |
| Lampung  | Diabetes mellitus                             | 40  | 2,094.5 (1,491.3, 2,893.4)   | 0.007499 (0.0053395, 0.0103596) | 2,605.7 (1,812.3, 3,638.5)  | 0.009988 (0.0069470, 0.0139471) |
| Lampung  | Chronic kidney disease                        | 40  | 1,712.0 (1,194.7, 2,387.2)   | 0.006130 (0.0042775, 0.0085471) | 1,229.1 (792.7, 1,805.5)    | 0.004711 (0.0030387, 0.0069209) |
| Lampung  | Cirrhosis                                     | 40  | 3,785.5 (2,670.4, 5,385.8)   | 0.013554 (0.0095613, 0.0192834) | 1,688.4 (1,105.1, 2,440.5)  | 0.006472 (0.0042360, 0.0093549) |
| Lampung  | Chronic respiratory diseases                  | 40  | 1,935.3 (1,276.4, 2,753.2)   | 0.006929 (0.0045701, 0.0098575) | 986.0 (625.7, 1,461.7)      | 0.003780 (0.0023982, 0.0056031) |
| Lampung  | Other non-communicable diseases               | 40  | 4,286.0 (3,167.4, 5,679.4)   | 0.015346 (0.0113406, 0.0203345) | 2,948.2 (2,087.5, 4,070.6)  | 0.011301 (0.0080015, 0.0156031) |
| Lampung  | Drowning                                      | 40  | 292.8 (125.0, 565.5)         | 0.001048 (0.0004475, 0.0020246) | 92.7 (35.8, 189.5)          | 0.000355 (0.0001371, 0.0007263) |
| Lampung  | Falls                                         | 40  | 466.5 (220.4, 811.0)         | 0.001670 (0.0007890, 0.0029037) | 180.2 (82.1, 330.4)         | 0.000691 (0.0003147, 0.0012665) |
| Lampung  | Interpersonal violence                        | 40  | 198.4 (110.8, 317.2)         | 0.000710 (0.0003965, 0.0011358) | 93.8 (48.6, 161.8)          | 0.000360 (0.0001865, 0.0006201) |
| Lampung  | Self-harm                                     | 40  | 480.0 (232.1, 859.8)         | 0.001719 (0.0008312, 0.0030784) | 183.2 (82.5, 341.0)         | 0.000702 (0.0003164, 0.0013070) |
| Lampung  | Transport injuries                            | 40  | 2,486.8 (1,583.0, 3,644.5)   | 0.008904 (0.0056678, 0.0130490) | 668.0 (400.7, 1,014.8)      | 0.002560 (0.0015359, 0.0038899) |
| Lampung  | Other unintentional injuries                  | 40  | 1,130.4 (679.9, 1,776.9)     | 0.004047 (0.0024342, 0.0063620) | 351.3 (203.7, 560.7)        | 0.001346 (0.0007810, 0.0021494) |
| Lampung  | Diarrheal diseases                            | 45  | 855.2 (508.0, 1,375.2)       | 0.003588 (0.0021311, 0.0057690) | 999.0 (611.2, 1,547.7)      | 0.004375 (0.0026763, 0.0067778) |
| Lampung  | HIV/AIDS                                      | 45  | 160.4 (47.2, 441.9)          | 0.000673 (0.0001980, 0.0018540) | 130.3 (37.5, 356.0)         | 0.000571 (0.0001643, 0.0015589) |
| Lampung  | Lower respiratory infections                  | 45  | 805.7 (435.0, 1,347.5)       | 0.003380 (0.0018248, 0.0056530) | 606.1 (326.0, 1,041.9)      | 0.002654 (0.0014274, 0.0045626) |
| Lampung  | Malaria                                       | 45  | 205.5 (59.9, 515.5)          | 0.000862 (0.0002515, 0.0021626) | 130.7 (37.5, 340.5)         | 0.000573 (0.0001642, 0.0014910) |
| Lampung  | Tuberculosis                                  | 45  | 3,965.0 (2,823.9, 5,291.3)   | 0.016634 (0.0118468, 0.0221977) | 2,131.4 (1,439.1, 2,919.9)  | 0.009334 (0.0063023, 0.0127866) |
| Lampung  | Maternal disorders                            | 45  |                              |                                 | 130.7 (52.3, 263.7)         | 0.000572 (0.0002290, 0.0011550) |
| Lampung  | Other communicable diseases                   | 45  | 1,770.0 (1,130.4, 2,544.3)   | 0.007426 (0.0047420, 0.0106739) | 1,539.5 (1,021.5, 2,198.6)  | 0.006742 (0.0044734, 0.0096279) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 45  | 795.4 (334.6, 1,654.9)       | 0.003337 (0.0014037, 0.0069425) | 341.2 (136.9, 688.6)        | 0.001494 (0.0005997, 0.0030154) |
| Lampung  | Breast cancer                                 | 45  | 25.1 (7.0, 65.9)             | 0.000105 (0.0000295, 0.0002764) | 1,866.0 (918.2, 2,996.1)    | 0.008171 (0.0040208, 0.0131203) |
| Lampung  | Cervical cancer                               | 45  |                              |                                 | 975.6 (336.3, 1,983.4)      | 0.004272 (0.0014726, 0.0086856) |
| Lampung  | Other malignant neoplasms                     | 45  | 2,254.0 (1,420.6, 3,378.8)   | 0.009456 (0.0059594, 0.0141746) | 1,404.9 (731.7, 2,387.8)    | 0.006152 (0.0032044, 0.0104565) |
| Lampung  | Cerebrovascular disease                       | 45  | 10,065.4 (7,648.6, 12,752.4) | 0.042226 (0.0320869, 0.0534982) | 8,312.7 (6,297.8, 10,803.3) | 0.036403 (0.0275791, 0.0473097) |
| Lampung  | Ischemic heart disease                        | 45  | 6,683.2 (4,783.5, 8,754.6)   | 0.028037 (0.0200675, 0.0367268) | 3,474.2 (2,380.1, 4,745.8)  | 0.015214 (0.0104230, 0.0207825) |
| Lampung  | Other cardiovascular and circulatory diseases | 45  | 1,906.6 (1,171.3, 2,898.9)   | 0.007999 (0.0049137, 0.0121613) | 1,839.1 (1,142.8, 2,714.3)  | 0.008054 (0.0050047, 0.0118863) |
| Lampung  | Diabetes mellitus                             | 45  | 3,089.3 (2,218.6, 4,312.9)   | 0.012960 (0.0093073, 0.0180933) | 4,397.2 (3,156.0, 5,980.7)  | 0.019256 (0.0138208, 0.0261905) |
| Lampung  | Chronic kidney disease                        | 45  | 1,668.6 (1,142.2, 2,359.2)   | 0.007000 (0.0047918, 0.0098970) | 1,368.5 (903.3, 1,983.5)    | 0.005993 (0.0039557, 0.0086860) |
| Lampung  | Cirrhosis                                     | 45  | 3,675.8 (2,515.2, 5,230.9)   | 0.015420 (0.0105517, 0.0219446) | 1,990.6 (1,321.1, 2,809.5)  | 0.008717 (0.0057852, 0.0123034) |
| Lampung  | Chronic respiratory diseases                  | 45  | 2,228.1 (1,481.6, 3,091.6)   | 0.009347 (0.0062153, 0.0129696) | 1,352.1 (905.4, 1,937.3)    | 0.005921 (0.0039650, 0.0084837) |
| Lampung  | Other non-communicable diseases               | 45  | 3,921.2 (2,799.3, 5,266.8)   | 0.016450 (0.0117436, 0.0220948) | 3,207.8 (2,333.7, 4,422.1)  | 0.014048 (0.0102199, 0.0193651) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                     |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Lampung  | Drowning                                      | 45  | 203.1 (82.2, 410.3)           | 0.000852 (0.0003449, 0.0017214) | 90.4 (33.8, 191.6)          | 0.000396 (0.0001478, 0.0008392) |
| Lampung  | Falls                                         | 45  | 516.7 (230.5, 950.5)          | 0.002168 (0.0009671, 0.0039874) | 266.9 (123.9, 485.6)        | 0.001169 (0.0005428, 0.0021263) |
| Lampung  | Interpersonal violence                        | 45  | 153.9 (82.2, 252.1)           | 0.000646 (0.0003448, 0.0010577) | 84.4 (42.0, 149.9)          | 0.000370 (0.0001840, 0.0006562) |
| Lampung  | Self-harm                                     | 45  | 418.5 (197.0, 766.9)          | 0.001756 (0.0008266, 0.0032171) | 180.2 (83.4, 332.7)         | 0.000789 (0.0003650, 0.0014568) |
| Lampung  | Transport injuries                            | 45  | 2,420.5 (1,497.5, 3,618.4)    | 0.010155 (0.0062822, 0.0151798) | 830.8 (489.4, 1,294.3)      | 0.003638 (0.0021432, 0.0056678) |
| Lampung  | Other unintentional injuries                  | 45  | 999.5 (588.7, 1,584.5)        | 0.004193 (0.0024697, 0.0066470) | 382.2 (224.8, 627.3)        | 0.001674 (0.0009846, 0.0027473) |
| Lampung  | Diarrheal diseases                            | 50  | 1,078.4 (639.6, 1,648.0)      | 0.005515 (0.0032709, 0.0084280) | 1,150.9 (718.8, 1,690.8)    | 0.006578 (0.0041082, 0.0096643) |
| Lampung  | HIV/AIDS                                      | 50  | 64.3 (18.6, 176.7)            | 0.000329 (0.0000950, 0.0009038) | 48.8 (13.8, 143.5)          | 0.000279 (0.0000788, 0.0008200) |
| Lampung  | Lower respiratory infections                  | 50  | 997.1 (550.4, 1,695.1)        | 0.005099 (0.0028148, 0.0086686) | 701.0 (383.6, 1,166.7)      | 0.004007 (0.0021924, 0.0066686) |
| Lampung  | Malaria                                       | 50  | 191.4 (52.9, 484.8)           | 0.000979 (0.0002705, 0.0024792) | 111.2 (30.5, 292.8)         | 0.000636 (0.0001743, 0.0016736) |
| Lampung  | Tuberculosis                                  | 50  | 4,046.1 (2,809.8, 5,541.0)    | 0.020691 (0.0143690, 0.0283364) | 2,015.7 (1,368.2, 2,817.3)  | 0.011521 (0.0078204, 0.0161029) |
| Lampung  | Maternal disorders                            | 50  |                               |                                 | 48.2 (14.9, 118.3)          | 0.000276 (0.0000850, 0.0006759) |
| Lampung  | Other communicable diseases                   | 50  | 1,716.9 (1,076.9, 2,579.1)    | 0.008780 (0.0055070, 0.0131891) | 1,367.5 (877.6, 1,954.0)    | 0.007817 (0.0050164, 0.0111685) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 50  | 928.9 (393.6, 1,817.4)        | 0.004751 (0.0020128, 0.0092938) | 325.3 (130.6, 653.9)        | 0.001859 (0.0007466, 0.0037378) |
| Lampung  | Breast cancer                                 | 50  | 21.3 (6.5, 53.0)              | 0.000109 (0.0000333, 0.0002711) | 1,383.5 (644.8, 2,238.6)    | 0.007908 (0.0036855, 0.0127954) |
| Lampung  | Cervical cancer                               | 50  |                               |                                 | 732.6 (241.4, 1,501.9)      | 0.004187 (0.0013799, 0.0085843) |
| Lampung  | Other malignant neoplasms                     | 50  | 1,867.6 (1,191.8, 2,816.7)    | 0.009551 (0.0060948, 0.0144044) | 1,233.4 (629.2, 2,109.8)    | 0.007050 (0.0035962, 0.0120588) |
| Lampung  | Cerebrovascular disease                       | 50  | 12,804.8 (9,734.7, 16,526.6)  | 0.065483 (0.0497825, 0.0845154) | 9,704.6 (7,512.4, 12,536.9) | 0.055469 (0.0429390, 0.0716576) |
| Lampung  | Ischemic heart disease                        | 50  | 7,647.3 (5,417.6, 10,257.6)   | 0.039108 (0.0277053, 0.0524567) | 3,653.1 (2,519.1, 4,981.4)  | 0.020880 (0.0143987, 0.0284722) |
| Lampung  | Other cardiovascular and circulatory diseases | 50  | 2,375.4 (1,404.5, 3,603.9)    | 0.012148 (0.0071825, 0.0184300) | 2,116.8 (1,305.3, 3,117.7)  | 0.012099 (0.0074605, 0.0178201) |
| Lampung  | Diabetes mellitus                             | 50  | 3,938.3 (2,773.9, 5,508.8)    | 0.020140 (0.0141857, 0.0281717) | 5,133.1 (3,698.2, 6,938.9)  | 0.029339 (0.0211379, 0.0396606) |
| Lampung  | Chronic kidney disease                        | 50  | 1,665.5 (1,133.9, 2,392.7)    | 0.008517 (0.0057985, 0.0122363) | 1,261.9 (843.5, 1,793.1)    | 0.007212 (0.0048212, 0.0102491) |
| Lampung  | Cirrhosis                                     | 50  | 3,738.1 (2,527.5, 5,452.9)    | 0.019116 (0.0129254, 0.0278854) | 1,872.7 (1,244.7, 2,679.6)  | 0.010704 (0.0071144, 0.0153160) |
| Lampung  | Chronic respiratory diseases                  | 50  | 2,793.4 (1,864.6, 3,975.4)    | 0.014285 (0.0095353, 0.0203297) | 1,584.0 (1,057.7, 2,268.7)  | 0.009054 (0.0060458, 0.0129672) |
| Lampung  | Other non-communicable diseases               | 50  | 3,942.9 (2,803.5, 5,480.7)    | 0.020164 (0.0143367, 0.0280277) | 2,984.1 (2,156.2, 4,068.4)  | 0.017057 (0.0123244, 0.0232541) |
| Lampung  | Drowning                                      | 50  | 146.6 (56.4, 311.3)           | 0.000750 (0.0002883, 0.0015922) | 59.4 (20.7, 127.9)          | 0.000340 (0.0001181, 0.0007313) |
| Lampung  | Falls                                         | 50  | 568.2 (256.5, 1,020.7)        | 0.002906 (0.0013117, 0.0052197) | 265.0 (128.0, 477.4)        | 0.001515 (0.0007315, 0.0027287) |
| Lampung  | Interpersonal violence                        | 50  | 112.8 (58.1, 202.1)           | 0.000577 (0.0002972, 0.0010334) | 55.6 (26.9, 100.1)          | 0.000318 (0.0001540, 0.0005721) |
| Lampung  | Self-harm                                     | 50  | 338.5 (159.3, 629.2)          | 0.001731 (0.0008148, 0.0032179) | 130.6 (60.5, 245.8)         | 0.000747 (0.0003457, 0.0014049) |
| Lampung  | Transport injuries                            | 50  | 1,834.2 (1,099.1, 2,786.9)    | 0.009380 (0.0056205, 0.0142517) | 562.2 (333.5, 868.8)        | 0.003214 (0.0019060, 0.0049658) |
| Lampung  | Other unintentional injuries                  | 50  | 779.9 (454.5, 1,240.2)        | 0.003988 (0.0023244, 0.0063422) | 267.7 (153.5, 438.2)        | 0.001530 (0.0008771, 0.0025048) |
| Lampung  | Diarrheal diseases                            | 55  | 1,075.5 (633.7, 1,705.6)      | 0.007096 (0.0041812, 0.0112536) | 1,072.3 (670.4, 1,572.7)    | 0.008858 (0.0055382, 0.0129923) |
| Lampung  | HIV/AIDS                                      | 55  | 24.9 (6.6, 66.1)              | 0.000164 (0.0000436, 0.0004361) | 17.4 (4.6, 50.6)            | 0.000144 (0.0000377, 0.0004183) |
| Lampung  | Lower respiratory infections                  | 55  | 922.5 (508.4, 1,514.9)        | 0.006087 (0.0033543, 0.0099957) | 630.7 (344.7, 1,065.1)      | 0.005210 (0.0028478, 0.0087987) |
| Lampung  | Malaria                                       | 55  | 185.3 (51.7, 467.9)           | 0.001223 (0.0003409, 0.0030872) | 91.9 (26.1, 238.5)          | 0.000759 (0.0002157, 0.0019706) |
| Lampung  | Tuberculosis                                  | 55  | 3,448.8 (2,354.2, 4,766.6)    | 0.022756 (0.0155337, 0.0314513) | 1,511.4 (1,005.8, 2,151.1)  | 0.012486 (0.0083086, 0.0177701) |
| Lampung  | Other communicable diseases                   | 55  | 1,467.3 (903.0, 2,161.8)      | 0.009682 (0.0059583, 0.0142640) | 1,125.6 (714.1, 1,621.6)    | 0.009299 (0.0058994, 0.0133956) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 55  | 899.1 (400.6, 1,822.4)        | 0.005933 (0.0026432, 0.0120249) | 236.4 (98.0, 488.3)         | 0.001953 (0.0008099, 0.0040342) |
| Lampung  | Breast cancer                                 | 55  | 19.3 (6.0, 45.3)              | 0.000128 (0.0000397, 0.0002991) | 906.5 (423.0, 1,535.9)      | 0.007488 (0.0034944, 0.0126883) |
| Lampung  | Cervical cancer                               | 55  |                               |                                 | 460.9 (151.0, 949.2)        | 0.003807 (0.0012473, 0.0078412) |
| Lampung  | Other malignant neoplasms                     | 55  | 1,472.5 (897.8, 2,289.0)      | 0.009716 (0.0059239, 0.0151035) | 936.5 (490.0, 1,625.8)      | 0.007737 (0.0040478, 0.0134308) |
| Lampung  | Cerebrovascular disease                       | 55  | 14,139.5 (10,655.2, 18,302.0) | 0.093295 (0.0703050, 0.1207604) | 9,956.4 (7,705.4, 12,570.1) | 0.082249 (0.0636536, 0.1038406) |
| Lampung  | Ischemic heart disease                        | 55  | 8,291.2 (5,827.7, 11,082.1)   | 0.054707 (0.0384521, 0.0731219) | 3,661.6 (2,549.8, 4,941.7)  | 0.030248 (0.0210634, 0.0408228) |
| Lampung  | Other cardiovascular and circulatory diseases | 55  | 2,645.4 (1,587.3, 4,075.1)    | 0.017455 (0.0104732, 0.0268880) | 2,111.6 (1,315.4, 3,117.3)  | 0.017444 (0.0108667, 0.0257515) |
| Lampung  | Diabetes mellitus                             | 55  | 4,129.5 (2,890.7, 5,847.0)    | 0.027247 (0.0190736, 0.0385794) | 4,831.4 (3,489.9, 6,495.9)  | 0.039912 (0.0288298, 0.0536626) |
| Lampung  | Chronic kidney disease                        | 55  | 1,616.0 (1,097.7, 2,376.9)    | 0.010663 (0.0072430, 0.0156830) | 1,076.9 (719.4, 1,501.4)    | 0.008896 (0.0059428, 0.0124032) |
| Lampung  | Cirrhosis                                     | 55  | 3,216.3 (2,109.6, 4,769.7)    | 0.021222 (0.0139198, 0.0314717) | 1,516.8 (1,018.3, 2,147.4)  | 0.012531 (0.0084120, 0.0177396) |
| Lampung  | Chronic respiratory diseases                  | 55  | 2,997.5 (2,023.4, 4,247.4)    | 0.019778 (0.0133506, 0.0280249) | 1,505.3 (1,038.0, 2,103.0)  | 0.012435 (0.0085748, 0.0173730) |
| Lampung  | Other non-communicable diseases               | 55  | 3,956.8 (2,798.9, 5,506.8)    | 0.026108 (0.0184677, 0.0363346) | 2,748.1 (1,960.0, 3,711.3)  | 0.022702 (0.0161911, 0.0306590) |
| Lampung  | Drowning                                      | 55  | 87.1 (34.9, 188.4)            | 0.000575 (0.0002302, 0.0012433) | 37.5 (14.1, 83.1)           | 0.000310 (0.0001162, 0.0006865) |
| Lampung  | Falls                                         | 55  | 520.3 (249.2, 921.0)          | 0.003433 (0.0016442, 0.0060769) | 244.7 (123.0, 428.0)        | 0.002022 (0.0010165, 0.0035357) |
| Lampung  | Interpersonal violence                        | 55  | 84.1 (42.0, 148.6)            | 0.000555 (0.0002769, 0.0009804) | 35.4 (17.3, 63.1)           | 0.000293 (0.0001427, 0.0005215) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                      |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Lampung  | Self-harm                                     | 55  | 294.0 (142.6, 540.5)          | 0.001940 (0.0009411, 0.0035662) | 94.5 (44.0, 179.9)           | 0.000781 (0.0003634, 0.0014862) |
| Lampung  | Transport injuries                            | 55  | 1,080.6 (618.5, 1,746.3)      | 0.007130 (0.0040811, 0.0115227) | 317.3 (183.6, 492.3)         | 0.002621 (0.0015164, 0.0040665) |
| Lampung  | Other unintentional injuries                  | 55  | 577.6 (330.5, 938.8)          | 0.003811 (0.0021805, 0.0061941) | 182.3 (105.7, 296.8)         | 0.001506 (0.0008733, 0.0024518) |
| Lampung  | Diarrheal diseases                            | 60  | 1,053.1 (633.2, 1,622.6)      | 0.011151 (0.0067046, 0.0171816) | 1,230.8 (811.3, 1,733.6)     | 0.013023 (0.0085846, 0.0183444) |
| Lampung  | HIV/AIDS                                      | 60  | 14.9 (3.5, 45.1)              | 0.000158 (0.0000370, 0.0004780) | 12.5 (2.9, 38.8)             | 0.000132 (0.0000304, 0.0004102) |
| Lampung  | Lower respiratory infections                  | 60  | 1,070.5 (594.2, 1,746.5)      | 0.011336 (0.0062918, 0.0184939) | 922.1 (533.3, 1,450.1)       | 0.009757 (0.0056435, 0.0153444) |
| Lampung  | Malaria                                       | 60  | 165.6 (47.7, 400.0)           | 0.001754 (0.0005054, 0.0042358) | 92.2 (24.7, 247.0)           | 0.000975 (0.0002610, 0.0026140) |
| Lampung  | Tuberculosis                                  | 60  | 3,394.7 (2,314.8, 4,789.7)    | 0.035946 (0.0245115, 0.0507172) | 1,808.1 (1,206.3, 2,484.3)   | 0.019133 (0.0127650, 0.0262874) |
| Lampung  | Other communicable diseases                   | 60  | 1,039.3 (622.2, 1,609.8)      | 0.011005 (0.0065882, 0.0170457) | 947.1 (593.0, 1,377.5)       | 0.010021 (0.0062753, 0.0145759) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 60  | 834.0 (361.2, 1,682.3)        | 0.008831 (0.0038246, 0.0178141) | 217.6 (89.2, 449.4)          | 0.002303 (0.0009437, 0.0047551) |
| Lampung  | Breast cancer                                 | 60  | 14.2 (4.2, 34.2)              | 0.000150 (0.0000446, 0.0003624) | 623.5 (275.8, 1,063.6)       | 0.006597 (0.0029182, 0.0112541) |
| Lampung  | Cervical cancer                               | 60  |                               |                                 | 363.4 (114.7, 768.1)         | 0.003845 (0.0012136, 0.0081278) |
| Lampung  | Other malignant neoplasms                     | 60  | 1,158.6 (719.1, 1,840.8)      | 0.012268 (0.0076147, 0.0194917) | 906.5 (496.9, 1,506.1)       | 0.009592 (0.0052576, 0.0159367) |
| Lampung  | Cerebrovascular disease                       | 60  | 13,127.4 (10,008.3, 17,224.8) | 0.139004 (0.1059765, 0.1823908) | 11,138.5 (8,798.5, 13,659.6) | 0.117863 (0.0931011, 0.1445397) |
| Lampung  | Ischemic heart disease                        | 60  | 6,882.3 (4,803.7, 9,479.9)    | 0.072876 (0.0508657, 0.1003809) | 3,852.4 (2,700.1, 5,108.1)   | 0.040764 (0.0285707, 0.0540520) |
| Lampung  | Other cardiovascular and circulatory diseases | 60  | 2,488.1 (1,494.8, 3,764.4)    | 0.026346 (0.0158279, 0.0398612) | 2,287.2 (1,468.1, 3,294.3)   | 0.024202 (0.0155348, 0.0348592) |
| Lampung  | Diabetes mellitus                             | 60  | 3,150.2 (2,201.0, 4,541.8)    | 0.033357 (0.0233065, 0.0480927) | 4,399.9 (3,254.5, 5,799.7)   | 0.046558 (0.0344380, 0.0613695) |
| Lampung  | Chronic kidney disease                        | 60  | 1,266.7 (859.6, 1,857.2)      | 0.013413 (0.0091018, 0.0196656) | 987.7 (666.3, 1,383.5)       | 0.010452 (0.0070508, 0.0146395) |
| Lampung  | Cirrhosis                                     | 60  | 2,381.9 (1,571.8, 3,577.8)    | 0.025222 (0.0166439, 0.0378848) | 1,358.3 (906.0, 1,908.7)     | 0.014372 (0.0095867, 0.0201974) |
| Lampung  | Chronic respiratory diseases                  | 60  | 3,595.8 (2,489.2, 5,102.6)    | 0.038076 (0.0263583, 0.0540303) | 2,048.2 (1,454.8, 2,775.3)   | 0.021673 (0.0153942, 0.0293674) |
| Lampung  | Other non-communicable diseases               | 60  | 3,785.0 (2,677.6, 5,332.6)    | 0.040079 (0.0283523, 0.0564657) | 3,109.7 (2,271.5, 4,131.5)   | 0.032905 (0.0240361, 0.0437177) |
| Lampung  | Drowning                                      | 60  | 56.7 (19.2, 121.2)            | 0.000601 (0.0002038, 0.0012832) | 31.8 (9.8, 75.5)             | 0.000336 (0.0001041, 0.0007985) |
| Lampung  | Falls                                         | 60  | 376.3 (175.5, 669.3)          | 0.003985 (0.0018580, 0.0070868) | 221.2 (115.8, 370.7)         | 0.002341 (0.0012258, 0.0039223) |
| Lampung  | Interpersonal violence                        | 60  | 49.0 (22.6, 89.8)             | 0.000519 (0.0002396, 0.0009513) | 23.9 (10.9, 45.3)            | 0.000253 (0.0001154, 0.0004792) |
| Lampung  | Self-harm                                     | 60  | 194.0 (89.4, 367.2)           | 0.002054 (0.0009471, 0.0038885) | 71.0 (31.4, 143.2)           | 0.000751 (0.0003327, 0.0015148) |
| Lampung  | Transport injuries                            | 60  | 771.6 (438.8, 1,244.0)        | 0.008170 (0.0046462, 0.0131724) | 277.3 (159.7, 440.6)         | 0.002934 (0.0016900, 0.0046621) |
| Lampung  | Other unintentional injuries                  | 60  | 397.7 (226.5, 662.2)          | 0.004211 (0.0023984, 0.0070120) | 150.3 (83.6, 250.1)          | 0.001591 (0.0008851, 0.0026468) |
| Lampung  | Diarrheal diseases                            | 65  | 1,470.2 (932.6, 2,221.7)      | 0.020530 (0.0130235, 0.0310255) | 1,688.8 (1,176.6, 2,288.6)   | 0.024388 (0.0169917, 0.0330498) |
| Lampung  | HIV/AIDS                                      | 65  | 12.1 (3.0, 34.5)              | 0.000170 (0.0000423, 0.0004814) | 10.1 (2.5, 31.2)             | 0.000146 (0.0000359, 0.0004503) |
| Lampung  | Lower respiratory infections                  | 65  | 1,090.9 (603.4, 1,795.3)      | 0.015234 (0.0084262, 0.0250707) | 957.3 (562.9, 1,526.5)       | 0.013824 (0.0081295, 0.0220442) |
| Lampung  | Malaria                                       | 65  | 141.9 (40.4, 355.2)           | 0.001982 (0.0005648, 0.0049604) | 72.9 (19.4, 194.1)           | 0.001053 (0.0002802, 0.0028037) |
| Lampung  | Tuberculosis                                  | 65  | 3,044.3 (2,031.2, 4,372.3)    | 0.042513 (0.0283644, 0.0610584) | 1,541.9 (1,020.5, 2,105.1)   | 0.022266 (0.0147369, 0.0303990) |
| Lampung  | Other communicable diseases                   | 65  | 861.0 (491.7, 1,393.0)        | 0.012023 (0.0068664, 0.0194531) | 789.6 (485.9, 1,194.8)       | 0.011403 (0.0070162, 0.0172537) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 65  | 667.7 (272.8, 1,331.3)        | 0.009324 (0.0038094, 0.0185911) | 149.1 (58.9, 311.6)          | 0.002153 (0.0008505, 0.0045000) |
| Lampung  | Breast cancer                                 | 65  | 9.7 (2.6, 23.9)               | 0.000135 (0.0000363, 0.0003341) | 369.9 (153.5, 644.6)         | 0.005342 (0.0022160, 0.0093087) |
| Lampung  | Cervical cancer                               | 65  |                               |                                 | 224.3 (68.8, 494.5)          | 0.003239 (0.0009933, 0.0071406) |
| Lampung  | Other malignant neoplasms                     | 65  | 793.1 (478.1, 1,270.8)        | 0.011076 (0.0066767, 0.0177467) | 746.5 (425.8, 1,181.7)       | 0.010780 (0.0061489, 0.0170650) |
| Lampung  | Cerebrovascular disease                       | 65  | 12,186.8 (9,259.1, 16,252.8)  | 0.170184 (0.1293006, 0.2269661) | 10,741.8 (8,570.5, 13,125.0) | 0.155122 (0.1237666, 0.1895381) |
| Lampung  | Ischemic heart disease                        | 65  | 5,970.9 (4,149.6, 8,403.7)    | 0.083381 (0.0579476, 0.1173545) | 3,392.9 (2,375.2, 4,525.6)   | 0.048997 (0.0343005, 0.0653536) |
| Lampung  | Other cardiovascular and circulatory diseases | 65  | 2,433.9 (1,483.0, 3,755.1)    | 0.033988 (0.0207102, 0.0524383) | 2,286.3 (1,507.1, 3,254.0)   | 0.033017 (0.0217641, 0.0469913) |
| Lampung  | Diabetes mellitus                             | 65  | 2,250.0 (1,528.0, 3,303.2)    | 0.031421 (0.0213381, 0.0461287) | 3,267.2 (2,369.7, 4,357.2)   | 0.047182 (0.0342210, 0.0629216) |
| Lampung  | Chronic kidney disease                        | 65  | 1,050.7 (707.0, 1,575.3)      | 0.014673 (0.0098737, 0.0219984) | 828.3 (557.3, 1,144.1)       | 0.011961 (0.0080475, 0.0165222) |
| Lampung  | Cirrhosis                                     | 65  | 1,681.9 (1,052.9, 2,586.0)    | 0.023487 (0.0147031, 0.0361132) | 1,015.5 (673.0, 1,449.8)     | 0.014665 (0.0097182, 0.0209369) |
| Lampung  | Chronic respiratory diseases                  | 65  | 3,531.2 (2,403.2, 5,035.1)    | 0.049312 (0.0335594, 0.0703135) | 2,052.8 (1,462.1, 2,757.4)   | 0.029644 (0.0211140, 0.0398195) |
| Lampung  | Other non-communicable diseases               | 65  | 3,776.9 (2,679.2, 5,365.5)    | 0.052743 (0.0374136, 0.0749269) | 3,203.4 (2,366.3, 4,198.7)   | 0.046261 (0.0341722, 0.0606331) |
| Lampung  | Drowning                                      | 65  | 41.3 (13.2, 93.5)             | 0.000577 (0.0001839, 0.0013063) | 26.2 (7.9, 62.8)             | 0.000378 (0.0001138, 0.0009071) |
| Lampung  | Falls                                         | 65  | 347.7 (165.9, 629.5)          | 0.004856 (0.0023173, 0.0087913) | 221.6 (115.5, 377.9)         | 0.003200 (0.0016679, 0.0054575) |
| Lampung  | Interpersonal violence                        | 65  | 32.8 (14.5, 65.3)             | 0.000458 (0.0002025, 0.0009122) | 15.5 (6.3, 31.9)             | 0.000224 (0.0000913, 0.0004612) |
| Lampung  | Self-harm                                     | 65  | 147.5 (66.0, 294.7)           | 0.002060 (0.0009214, 0.0041154) | 51.4 (22.7, 106.4)           | 0.000742 (0.0003283, 0.0015368) |
| Lampung  | Transport injuries                            | 65  | 563.5 (315.0, 939.8)          | 0.007869 (0.0043987, 0.0131236) | 212.8 (114.8, 345.1)         | 0.003073 (0.0016583, 0.0049839) |
| Lampung  | Other unintentional injuries                  | 65  | 315.9 (174.5, 552.0)          | 0.004411 (0.0024375, 0.0077081) | 121.6 (65.6, 204.5)          | 0.001756 (0.0009473, 0.0029529) |
| Lampung  | Diarrheal diseases                            | 70  | 1,897.6 (1,256.2, 2,800.1)    | 0.035626 (0.0235845, 0.0525686) | 2,217.9 (1,614.5, 2,914.3)   | 0.040273 (0.0293154, 0.0529171) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                        |                                 | Females                      |                                 |
|----------|-----------------------------------------------|-----|------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Lampung  | HIV/AIDS                                      | 70  | 14.8 (3.6, 43.6)             | 0.000277 (0.0000672, 0.0008181) | 13.0 (3.1, 40.4)             | 0.000236 (0.0000569, 0.0007329) |
| Lampung  | Lower respiratory infections                  | 70  | 1,291.5 (735.4, 2,138.1)     | 0.024247 (0.0138070, 0.0401397) | 1,211.4 (746.3, 1,855.9)     | 0.021996 (0.0135521, 0.0336990) |
| Lampung  | Malaria                                       | 70  | 117.3 (31.6, 297.9)          | 0.002203 (0.0005937, 0.0055927) | 62.9 (16.7, 169.1)           | 0.001142 (0.0003037, 0.0030709) |
| Lampung  | Tuberculosis                                  | 70  | 2,808.0 (1,862.4, 4,120.2)   | 0.052718 (0.0349638, 0.0773513) | 1,578.6 (1,047.7, 2,167.4)   | 0.028664 (0.0190246, 0.0393558) |
| Lampung  | Other communicable diseases                   | 70  | 836.2 (480.3, 1,341.8)       | 0.015698 (0.0090174, 0.0251915) | 777.1 (457.2, 1,147.1)       | 0.014112 (0.0083010, 0.0208282) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 70  | 552.7 (233.2, 1,116.5)       | 0.010376 (0.0043783, 0.0209606) | 126.0 (52.8, 266.7)          | 0.002287 (0.0009582, 0.0048423) |
| Lampung  | Breast cancer                                 | 70  | 6.2 (1.5, 16.8)              | 0.000116 (0.0000286, 0.0003156) | 227.4 (95.4, 407.6)          | 0.004128 (0.0017320, 0.0074005) |
| Lampung  | Cervical cancer                               | 70  |                              |                                 | 132.1 (37.1, 297.0)          | 0.002398 (0.0006732, 0.0053922) |
| Lampung  | Other malignant neoplasms                     | 70  | 552.6 (335.4, 879.2)         | 0.010375 (0.0062975, 0.0165069) | 601.3 (352.1, 943.2)         | 0.010919 (0.0063935, 0.0171275) |
| Lampung  | Cerebrovascular disease                       | 70  | 11,459.2 (8,624.4, 15,462.3) | 0.215133 (0.1619132, 0.2902862) | 11,334.2 (9,332.6, 13,510.0) | 0.205806 (0.1694607, 0.2453140) |
| Lampung  | Ischemic heart disease                        | 70  | 5,233.9 (3,586.9, 7,442.1)   | 0.098261 (0.0673406, 0.1397178) | 3,539.9 (2,529.7, 4,629.3)   | 0.064277 (0.0459336, 0.0840579) |
| Lampung  | Other cardiovascular and circulatory diseases | 70  | 2,439.2 (1,484.0, 3,805.7)   | 0.045793 (0.0278611, 0.0714473) | 2,525.7 (1,675.8, 3,561.6)   | 0.045862 (0.0304287, 0.0646721) |
| Lampung  | Diabetes mellitus                             | 70  | 1,534.0 (1,024.7, 2,299.4)   | 0.028799 (0.0192367, 0.0431685) | 2,540.1 (1,827.4, 3,369.4)   | 0.046123 (0.0331816, 0.0611812) |
| Lampung  | Chronic kidney disease                        | 70  | 834.2 (557.1, 1,277.0)       | 0.015660 (0.0104592, 0.0239746) | 745.4 (507.2, 1,031.3)       | 0.013536 (0.0092100, 0.0187257) |
| Lampung  | Cirrhosis                                     | 70  | 1,312.9 (825.2, 2,042.8)     | 0.024648 (0.0154916, 0.0383519) | 880.0 (600.6, 1,240.7)       | 0.015979 (0.0109049, 0.0225288) |
| Lampung  | Chronic respiratory diseases                  | 70  | 3,984.2 (2,774.3, 5,782.3)   | 0.074798 (0.0520846, 0.1085555) | 2,505.8 (1,837.3, 3,296.6)   | 0.045500 (0.0333612, 0.0598593) |
| Lampung  | Other non-communicable diseases               | 70  | 3,826.3 (2,692.5, 5,460.6)   | 0.071834 (0.0505485, 0.1025158) | 3,611.8 (2,730.3, 4,614.2)   | 0.065583 (0.0495774, 0.0837840) |
| Lampung  | Drowning                                      | 70  | 63.5 (25.6, 129.3)           | 0.001192 (0.0004807, 0.0024278) | 41.2 (16.2, 91.7)            | 0.000748 (0.0002940, 0.0016655) |
| Lampung  | Falls                                         | 70  | 353.6 (170.3, 627.5)         | 0.006639 (0.0031976, 0.0117799) | 235.0 (124.7, 385.3)         | 0.004267 (0.0022648, 0.0069966) |
| Lampung  | Interpersonal violence                        | 70  | 21.0 (8.3, 46.4)             | 0.000394 (0.0001550, 0.0008705) | 10.8 (3.9, 23.7)             | 0.000196 (0.0000717, 0.0004308) |
| Lampung  | Self-harm                                     | 70  | 110.9 (48.2, 224.6)          | 0.002081 (0.0009041, 0.0042170) | 42.4 (18.7, 90.6)            | 0.000770 (0.0003399, 0.0016444) |
| Lampung  | Transport injuries                            | 70  | 487.0 (267.7, 804.6)         | 0.009143 (0.0050256, 0.0151046) | 193.8 (108.0, 311.3)         | 0.003519 (0.0019605, 0.0056530) |
| Lampung  | Other unintentional injuries                  | 70  | 277.8 (151.7, 475.8)         | 0.005216 (0.0028487, 0.0089317) | 114.3 (61.6, 191.2)          | 0.002076 (0.0011193, 0.0034726) |
| Lampung  | Diarrheal diseases                            | 75  | 1,403.2 (931.8, 2,085.1)     | 0.044343 (0.0294464, 0.0658926) | 1,802.0 (1,341.0, 2,332.3)   | 0.056445 (0.0420041, 0.0730567) |
| Lampung  | HIV/AIDS                                      | 75  | 7.2 (1.7, 21.0)              | 0.000229 (0.0000529, 0.0006647) | 6.8 (1.7, 21.8)              | 0.000213 (0.0000533, 0.0006834) |
| Lampung  | Lower respiratory infections                  | 75  | 851.0 (479.6, 1,435.8)       | 0.026894 (0.0151543, 0.0453724) | 866.0 (532.9, 1,297.7)       | 0.027125 (0.0166923, 0.0406477) |
| Lampung  | Malaria                                       | 75  | 75.3 (20.5, 201.3)           | 0.002379 (0.0006466, 0.0063613) | 43.4 (11.4, 123.3)           | 0.001360 (0.0003556, 0.0038622) |
| Lampung  | Tuberculosis                                  | 75  | 1,523.8 (987.4, 2,300.3)     | 0.048155 (0.0312015, 0.0726926) | 904.9 (596.1, 1,269.6)       | 0.028346 (0.0186710, 0.0397690) |
| Lampung  | Other communicable diseases                   | 75  | 497.8 (275.4, 821.8)         | 0.015730 (0.0087017, 0.0259698) | 513.0 (300.8, 775.6)         | 0.016068 (0.0094223, 0.0242953) |
| Lampung  | Tracheal, bronchus, and lung cancer           | 75  | 270.8 (111.8, 553.6)         | 0.008558 (0.0035320, 0.0174937) | 65.8 (27.3, 136.3)           | 0.002061 (0.0008565, 0.0042690) |
| Lampung  | Breast cancer                                 | 75  | 2.6 (0.6, 7.4)               | 0.000082 (0.0000185, 0.0002330) | 103.4 (41.8, 192.6)          | 0.003239 (0.0013100, 0.0060332) |
| Lampung  | Cervical cancer                               | 75  |                              |                                 | 60.1 (15.1, 138.7)           | 0.001884 (0.0004716, 0.0043444) |
| Lampung  | Other malignant neoplasms                     | 75  | 264.4 (156.2, 437.4)         | 0.008356 (0.0049356, 0.0138210) | 359.9 (215.3, 560.7)         | 0.011273 (0.0067449, 0.0175626) |
| Lampung  | Cerebrovascular disease                       | 75  | 7,264.9 (5,422.6, 10,078.1)  | 0.229578 (0.1713617, 0.3184784) | 8,190.9 (6,761.8, 9,722.3)   | 0.256567 (0.2118024, 0.3045369) |
| Lampung  | Ischemic heart disease                        | 75  | 3,610.4 (2,449.9, 5,229.5)   | 0.114093 (0.0774182, 0.1652587) | 2,756.1 (2,004.2, 3,580.4)   | 0.086331 (0.0627793, 0.1121519) |
| Lampung  | Other cardiovascular and circulatory diseases | 75  | 1,589.3 (949.8, 2,512.8)     | 0.050225 (0.0300149, 0.0794073) | 1,866.1 (1,233.3, 2,599.8)   | 0.058454 (0.0386315, 0.0814352) |
| Lampung  | Diabetes mellitus                             | 75  | 815.4 (545.4, 1,256.9)       | 0.025767 (0.0172345, 0.0397183) | 1,533.5 (1,121.5, 2,029.0)   | 0.048036 (0.0351288, 0.0635553) |
| Lampung  | Chronic kidney disease                        | 75  | 475.0 (309.4, 731.5)         | 0.015011 (0.0097777, 0.0231161) | 476.5 (321.6, 648.8)         | 0.014927 (0.0100726, 0.0203215) |
| Lampung  | Cirrhosis                                     | 75  | 727.8 (448.2, 1,166.9)       | 0.022999 (0.0141628, 0.0368756) | 556.3 (377.5, 794.6)         | 0.017425 (0.0118235, 0.0248881) |
| Lampung  | Chronic respiratory diseases                  | 75  | 2,492.8 (1,710.9, 3,681.6)   | 0.078777 (0.0540649, 0.1163425) | 1,731.2 (1,258.8, 2,266.8)   | 0.054228 (0.0394308, 0.0710046) |
| Lampung  | Other non-communicable diseases               | 75  | 2,774.2 (1,946.1, 4,000.1)   | 0.087667 (0.0614976, 0.1264075) | 2,973.3 (2,281.0, 3,779.6)   | 0.093134 (0.0714483, 0.1183909) |
| Lampung  | Drowning                                      | 75  | 55.0 (22.3, 116.4)           | 0.001738 (0.0007041, 0.0036792) | 39.5 (15.8, 81.1)            | 0.001236 (0.0004957, 0.0025400) |
| Lampung  | Falls                                         | 75  | 264.6 (128.5, 461.9)         | 0.008363 (0.0040623, 0.0145959) | 193.6 (106.9, 307.1)         | 0.006063 (0.0033494, 0.0096186) |
| Lampung  | Interpersonal violence                        | 75  | 10.2 (3.3, 25.4)             | 0.000322 (0.0001029, 0.0008014) | 5.5 (1.7, 14.5)              | 0.000173 (0.0000537, 0.0004544) |
| Lampung  | Self-harm                                     | 75  | 65.5 (26.8, 133.4)           | 0.002070 (0.0008476, 0.0042167) | 26.4 (10.9, 55.9)            | 0.000826 (0.0003401, 0.0017505) |
| Lampung  | Transport injuries                            | 75  | 227.3 (114.6, 400.1)         | 0.007184 (0.0036208, 0.0126430) | 98.3 (51.7, 164.2)           | 0.003079 (0.0016185, 0.0051419) |
| Lampung  | Other unintentional injuries                  | 75  | 167.0 (87.3, 289.8)          | 0.005279 (0.0027597, 0.0091584) | 74.0 (39.0, 127.6)           | 0.002319 (0.0012221, 0.0039955) |
| Lampung  | Diarrheal diseases                            | 80  | 2,894.1 (2,134.6, 3,885.5)   | 0.109875 (0.0810387, 0.1475127) | 3,956.9 (3,110.9, 4,871.6)   | 0.138599 (0.1089682, 0.1706413) |
| Lampung  | HIV/AIDS                                      | 80  | 9.4 (1.7, 30.6)              | 0.000358 (0.0000646, 0.0011632) | 9.9 (1.8, 34.4)              | 0.000348 (0.0000643, 0.0012038) |
| Lampung  | Lower respiratory infections                  | 80  | 1,255.8 (740.8, 1,980.5)     | 0.047676 (0.0281241, 0.0751894) | 1,440.0 (895.8, 2,131.9)     | 0.050439 (0.0313793, 0.0746736) |
| Lampung  | Malaria                                       | 80  | 103.1 (27.4, 286.0)          | 0.003915 (0.0010394, 0.0108598) | 66.1 (17.1, 198.4)           | 0.002316 (0.0005996, 0.0069497) |
| Lampung  | Tuberculosis                                  | 80  | 1,804.7 (1,168.6, 2,603.7)   | 0.068517 (0.0443644, 0.0988492) | 1,275.0 (816.7, 1,789.6)     | 0.044661 (0.0286082, 0.0626867) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                           |                                 | Females                        |                                 |
|-----------------|----------------------------------------------------------|-----|---------------------------------|---------------------------------|--------------------------------|---------------------------------|
|                 |                                                          |     | YLLs (95% UI)                   | YLLs per capita (95% UI)        | YLLs (95% UI)                  | YLLs per capita (95% UI)        |
| Lampung         | Other communicable diseases                              | 80  | 697.7 (404.7, 1,068.9)          | 0.026489 (0.0153634, 0.0405822) | 763.3 (451.6, 1,153.6)         | 0.026736 (0.0158190, 0.0404064) |
| Lampung         | Tracheal, bronchus, and lung cancer                      | 80  | 260.9 (107.0, 550.2)            | 0.009905 (0.0040638, 0.0208886) | 78.9 (31.8, 164.8)             | 0.002765 (0.0011141, 0.0057710) |
| Lampung         | Breast cancer                                            | 80  | 2.5 (0.5, 7.3)                  | 0.000095 (0.0000196, 0.0002778) | 100.2 (36.2, 198.1)            | 0.003510 (0.0012673, 0.0069400) |
| Lampung         | Cervical cancer                                          | 80  |                                 |                                 | 50.1 (12.1, 134.4)             | 0.001754 (0.0004247, 0.0047077) |
| Lampung         | Other malignant neoplasms                                | 80  | 272.1 (162.6, 428.6)            | 0.010329 (0.0061741, 0.0162725) | 414.1 (241.6, 626.4)           | 0.014506 (0.0084622, 0.0219404) |
| Lampung         | Cerebrovascular disease                                  | 80  | 9,075.7 (7,272.9, 11,526.2)     | 0.344559 (0.2761174, 0.4375922) | 12,030.1 (10,262.8, 13,914.8)  | 0.421384 (0.3594785, 0.4874013) |
| Lampung         | Ischemic heart disease                                   | 80  | 4,121.9 (2,995.0, 5,622.5)      | 0.156488 (0.1137043, 0.2134596) | 3,986.6 (2,947.9, 5,102.9)     | 0.139640 (0.1032586, 0.1787434) |
| Lampung         | Other cardiovascular and circulatory diseases            | 80  | 1,878.1 (1,153.5, 2,806.7)      | 0.071303 (0.0437936, 0.1065571) | 2,544.2 (1,676.4, 3,570.7)     | 0.089117 (0.0587186, 0.1250710) |
| Lampung         | Diabetes mellitus                                        | 80  | 817.0 (559.9, 1,195.2)          | 0.031019 (0.0212556, 0.0453767) | 1,825.1 (1,312.0, 2,443.9)     | 0.063929 (0.0459559, 0.0856038) |
| Lampung         | Chronic kidney disease                                   | 80  | 493.8 (329.6, 739.3)            | 0.018748 (0.0125132, 0.0280690) | 590.3 (405.7, 825.1)           | 0.020678 (0.0142091, 0.0288994) |
| Lampung         | Cirrhosis                                                | 80  | 766.4 (496.6, 1,147.7)          | 0.029097 (0.0188536, 0.0435730) | 678.3 (457.7, 973.6)           | 0.023760 (0.0160324, 0.0341038) |
| Lampung         | Chronic respiratory diseases                             | 80  | 3,190.2 (2,365.4, 4,383.8)      | 0.121118 (0.0898017, 0.1664318) | 2,481.1 (1,836.6, 3,217.9)     | 0.086905 (0.0643303, 0.1127146) |
| Lampung         | Other non-communicable diseases                          | 80  | 3,833.0 (2,886.8, 5,143.6)      | 0.145521 (0.1095968, 0.1952781) | 4,783.0 (3,816.2, 5,909.4)     | 0.167535 (0.1336713, 0.2069898) |
| Lampung         | Drowning                                                 | 80  | 64.6 (24.6, 137.6)              | 0.002451 (0.0009323, 0.0052244) | 49.0 (18.2, 107.5)             | 0.001718 (0.0006368, 0.0037638) |
| Lampung         | Falls                                                    | 80  | 413.5 (216.3, 698.1)            | 0.015700 (0.0082117, 0.0265040) | 327.1 (181.5, 503.3)           | 0.011459 (0.0063584, 0.0176308) |
| Lampung         | Interpersonal violence                                   | 80  | 9.7 (1.8, 29.0)                 | 0.000367 (0.0000685, 0.0011006) | 6.0 (1.4, 20.1)                | 0.000212 (0.0000477, 0.0007050) |
| Lampung         | Self-harm                                                | 80  | 74.6 (28.8, 153.0)              | 0.002832 (0.0010932, 0.0058104) | 35.1 (12.9, 78.7)              | 0.001231 (0.0004511, 0.0027576) |
| Lampung         | Transport injuries                                       | 80  | 235.0 (115.6, 425.6)            | 0.008920 (0.0043871, 0.0161563) | 112.0 (52.9, 201.6)            | 0.003922 (0.0018541, 0.0070602) |
| Lampung         | Other unintentional injuries                             | 80  | 189.6 (96.2, 335.1)             | 0.007200 (0.0036540, 0.0127238) | 94.3 (50.2, 168.0)             | 0.003302 (0.0017597, 0.0058850) |
| Lampung         | Diarrheal diseases                                       | All | 27,091.5 (18,774.3, 37,479.9)   | 0.006428 (0.0044543, 0.0088924) | 27,582.4 (19,962.8, 36,682.0)  | 0.006938 (0.0050213, 0.0092267) |
| Lampung         | HIV/AIDS                                                 | All | 4,344.0 (1,515.5, 10,327.6)     | 0.001031 (0.0003596, 0.0024503) | 2,344.7 (796.5, 5,732.3)       | 0.000590 (0.0002003, 0.0014419) |
| Lampung         | Lower respiratory infections                             | All | 35,240.6 (23,083.0, 49,994.1)   | 0.008361 (0.0054766, 0.0118614) | 23,399.3 (15,722.1, 33,177.1)  | 0.005886 (0.0039546, 0.0083451) |
| Lampung         | Malaria                                                  | All | 3,677.2 (1,217.7, 9,138.5)      | 0.000872 (0.0002889, 0.0021682) | 1,977.5 (614.3, 5,276.5)       | 0.000497 (0.0001545, 0.0013272) |
| Lampung         | Tuberculosis                                             | All | 51,506.5 (37,531.0, 69,289.5)   | 0.012220 (0.0089045, 0.0164394) | 23,891.7 (16,635.5, 32,123.1)  | 0.006010 (0.0041843, 0.0080800) |
| Lampung         | Maternal disorders                                       | All |                                 |                                 | 6,209.4 (3,982.6, 9,436.1)     | 0.001562 (0.0010017, 0.0023735) |
| Lampung         | Neonatal encephalopathy due to birth asphyxia and trauma | All | 38,429.6 (18,348.1, 63,939.2)   | 0.009118 (0.0043532, 0.0151700) | 24,610.1 (12,397.2, 42,720.8)  | 0.006190 (0.0031183, 0.0107456) |
| Lampung         | Preterm birth complications                              | All | 33,040.2 (14,983.7, 56,172.9)   | 0.007839 (0.0035550, 0.0133274) | 27,535.5 (13,623.7, 46,630.2)  | 0.006926 (0.0034268, 0.0117290) |
| Lampung         | Other neonatal disorders                                 | All | 11,080.5 (3,608.3, 25,388.4)    | 0.002629 (0.0008561, 0.0060236) | 6,680.0 (2,028.0, 15,557.2)    | 0.001680 (0.0005101, 0.0039131) |
| Lampung         | Other communicable diseases                              | All | 48,100.4 (33,945.0, 63,988.9)   | 0.011412 (0.0080537, 0.0151818) | 31,222.1 (22,637.5, 42,224.5)  | 0.007853 (0.0056941, 0.0106208) |
| Lampung         | Tracheal, bronchus, and lung cancer                      | All | 7,345.2 (3,213.5, 14,597.1)     | 0.001743 (0.0007624, 0.0034632) | 2,606.2 (1,112.0, 5,257.2)     | 0.000656 (0.0002797, 0.0013223) |
| Lampung         | Breast cancer                                            | All | 153.4 (47.3, 398.5)             | 0.000036 (0.0000112, 0.0000946) | 11,376.0 (5,439.6, 18,233.3)   | 0.002861 (0.0013682, 0.0045863) |
| Lampung         | Cervical cancer                                          | All |                                 |                                 | 5,788.7 (1,963.7, 11,966.3)    | 0.001456 (0.0004939, 0.0030099) |
| Lampung         | Other malignant neoplasms                                | All | 20,749.5 (13,385.6, 30,418.3)   | 0.004923 (0.0031758, 0.0072169) | 16,929.0 (10,258.8, 26,090.8)  | 0.004258 (0.0025804, 0.0065626) |
| Lampung         | Cerebrovascular disease                                  | All | 111,593.4 (85,708.9, 144,342.1) | 0.026476 (0.0203350, 0.0342461) | 96,594.9 (77,335.3, 119,327.1) | 0.024297 (0.0194523, 0.0300145) |
| Lampung         | Ischemic heart disease                                   | All | 65,230.7 (46,828.9, 86,869.3)   | 0.015476 (0.0111105, 0.0206103) | 36,068.5 (25,367.4, 47,925.8)  | 0.009072 (0.0063807, 0.0120548) |
| Lampung         | Other cardiovascular and circulatory diseases            | All | 24,177.0 (14,820.7, 36,788.9)   | 0.005736 (0.0035163, 0.0087284) | 23,261.3 (15,126.4, 33,254.6)  | 0.005851 (0.0038048, 0.0083646) |
| Lampung         | Diabetes mellitus                                        | All | 24,564.2 (17,349.3, 34,782.2)   | 0.005828 (0.0041162, 0.0082523) | 34,430.7 (25,281.0, 46,063.1)  | 0.008660 (0.0063590, 0.0115863) |
| Lampung         | Chronic kidney disease                                   | All | 17,408.8 (12,226.5, 24,861.3)   | 0.004130 (0.0029008, 0.0058985) | 14,229.9 (9,692.2, 19,668.1)   | 0.003579 (0.0024379, 0.0049472) |
| Lampung         | Cirrhosis                                                | All | 33,485.2 (23,123.6, 48,157.1)   | 0.007945 (0.0054862, 0.0114256) | 17,079.9 (11,671.8, 24,038.7)  | 0.004296 (0.0029358, 0.0060465) |
| Lampung         | Chronic respiratory diseases                             | All | 34,418.8 (24,219.0, 47,652.9)   | 0.008166 (0.0057461, 0.0113060) | 20,392.4 (14,518.9, 27,761.5)  | 0.005129 (0.0036520, 0.0069829) |
| Lampung         | Other non-communicable diseases                          | All | 79,922.2 (61,004.6, 103,324.4)  | 0.018962 (0.0144737, 0.0245144) | 67,745.2 (52,893.8, 84,709.8)  | 0.017040 (0.0133045, 0.0213072) |
| Lampung         | Drowning                                                 | All | 11,083.2 (6,514.7, 16,733.7)    | 0.002630 (0.0015457, 0.0039702) | 3,313.0 (1,857.7, 5,401.0)     | 0.000833 (0.0004673, 0.0013585) |
| Lampung         | Falls                                                    | All | 7,814.4 (3,857.9, 13,105.2)     | 0.001854 (0.0009153, 0.0031093) | 3,465.9 (1,803.8, 5,783.7)     | 0.000872 (0.0004537, 0.0014548) |
| Lampung         | Interpersonal violence                                   | All | 3,459.2 (2,152.0, 5,216.1)      | 0.000821 (0.0005106, 0.0012376) | 1,867.1 (1,067.6, 2,988.9)     | 0.000470 (0.0002685, 0.0007518) |
| Lampung         | Self-harm                                                | All | 7,085.9 (3,762.8, 12,077.2)     | 0.001681 (0.0008927, 0.0028654) | 3,136.9 (1,603.4, 5,294.8)     | 0.000789 (0.0004033, 0.0013318) |
| Lampung         | Transport injuries                                       | All | 47,898.0 (34,237.1, 65,271.3)   | 0.011364 (0.0081230, 0.0154860) | 13,571.5 (9,031.0, 18,593.8)   | 0.003414 (0.0022716, 0.0046769) |
| Lampung         | Other unintentional injuries                             | All | 18,907.4 (12,400.0, 27,535.3)   | 0.004486 (0.0029420, 0.0065329) | 6,223.1 (3,967.2, 9,218.7)     | 0.001565 (0.0009979, 0.0023188) |
| Bangka Belitung | Diarrheal diseases                                       | NN  | 326.7 (116.9, 713.8)            | 0.301147 (0.1077330, 0.6578701) | 258.0 (98.0, 573.2)            | 0.232842 (0.0884594, 0.5173539) |
| Bangka Belitung | Lower respiratory infections                             | NN  | 2,840.5 (1,232.5, 5,011.3)      | 2.618013 (1.1359580, 4.6187458) | 1,641.0 (721.0, 2,978.1)       | 1.481219 (0.6508433, 2.6881490) |
| Bangka Belitung | Malaria                                                  | NN  | 49.7 (7.3, 159.3)               | 0.045822 (0.0067617, 0.1468647) | 29.1 (4.3, 95.7)               | 0.026268 (0.0038525, 0.0864072) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                        |                                  | Females                     |                                  |
|-----------------|----------------------------------------------------------|-----|------------------------------|----------------------------------|-----------------------------|----------------------------------|
|                 |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)         | YLLs (95% UI)               | YLLs per capita (95% UI)         |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 9,961.7 (4,905.7, 16,662.9)  | 9.181334 (4.5213699, 15.3576097) | 6,387.0 (3,066.7, 10,896.1) | 5.765101 (2.7681510, 9.8352013)  |
| Bangka Belitung | Preterm birth complications                              | NN  | 10,190.5 (4,877.1, 16,700.2) | 9.392231 (4.4950132, 15.3919802) | 8,612.9 (4,224.0, 14,922.4) | 7.774311 (3.8127770, 13.4694901) |
| Bangka Belitung | Other neonatal disorders                                 | NN  | 3,137.1 (766.4, 7,489.8)     | 2.891304 (0.7063445, 6.9030499)  | 1,889.4 (444.3, 4,500.9)    | 1.705413 (0.4010288, 4.0627089)  |
| Bangka Belitung | Other communicable diseases                              | NN  | 361.5 (124.7, 729.9)         | 0.333211 (0.1149061, 0.6727420)  | 196.4 (64.8, 416.6)         | 0.177316 (0.0584705, 0.3760378)  |
| Bangka Belitung | Other malignant neoplasms                                | NN  | 234.8 (77.0, 496.4)          | 0.216437 (0.0709633, 0.4574906)  | 185.2 (66.8, 424.2)         | 0.167176 (0.0603197, 0.3829412)  |
| Bangka Belitung | Cerebrovascular disease                                  | NN  | 91.4 (22.2, 253.1)           | 0.084218 (0.0204441, 0.2332293)  | 93.2 (21.2, 263.4)          | 0.084108 (0.0191242, 0.2377704)  |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | NN  | 82.7 (16.6, 249.5)           | 0.076216 (0.0153428, 0.2299413)  | 79.5 (15.5, 223.6)          | 0.071749 (0.0140223, 0.2018002)  |
| Bangka Belitung | Diabetes mellitus                                        | NN  | 21.1 (0.1, 161.5)            | 0.019481 (0.0000842, 0.1488244)  | 27.4 (0.1, 200.1)           | 0.024739 (0.0001234, 0.1806033)  |
| Bangka Belitung | Other non-communicable diseases                          | NN  | 5,357.8 (2,614.7, 8,584.0)   | 4.938105 (2.4098470, 7.9115229)  | 4,765.6 (2,381.8, 8,173.2)  | 4.301585 (2.1498630, 7.3774152)  |
| Bangka Belitung | Drowning                                                 | NN  | 343.6 (101.5, 874.4)         | 0.316663 (0.0935348, 0.8058747)  | 74.5 (19.6, 191.1)          | 0.067256 (0.0176759, 0.1724688)  |
| Bangka Belitung | Falls                                                    | NN  | 159.8 (43.7, 381.9)          | 0.147270 (0.0402966, 0.3520095)  | 48.6 (12.4, 123.6)          | 0.043863 (0.0111485, 0.1115656)  |
| Bangka Belitung | Interpersonal violence                                   | NN  | 154.2 (38.6, 402.8)          | 0.142163 (0.0355511, 0.3712676)  | 83.0 (22.3, 215.7)          | 0.074913 (0.0200942, 0.1947388)  |
| Bangka Belitung | Transport injuries                                       | NN  | 297.9 (99.4, 654.8)          | 0.274536 (0.0916033, 0.6035237)  | 67.8 (20.4, 158.1)          | 0.061205 (0.0184131, 0.1427284)  |
| Bangka Belitung | Other unintentional injuries                             | NN  | 951.0 (355.1, 1,962.1)       | 0.876532 (0.3272581, 1.8083791)  | 290.4 (107.5, 639.8)        | 0.262106 (0.0970632, 0.5774881)  |
| Bangka Belitung | Diarrheal diseases                                       | PNN | 135.7 (61.8, 242.4)          | 0.010018 (0.0045665, 0.0179000)  | 150.8 (70.0, 269.9)         | 0.010906 (0.0050615, 0.0195214)  |
| Bangka Belitung | HIV/AIDS                                                 | PNN | 6.2 (1.1, 20.3)              | 0.000461 (0.0000838, 0.0014978)  | 5.0 (0.8, 16.7)             | 0.000360 (0.0000590, 0.0012048)  |
| Bangka Belitung | Lower respiratory infections                             | PNN | 86.6 (37.6, 156.4)           | 0.006396 (0.0027756, 0.0115496)  | 67.1 (28.7, 122.2)          | 0.004852 (0.0020746, 0.0088346)  |
| Bangka Belitung | Malaria                                                  | PNN | 20.2 (3.2, 60.4)             | 0.001495 (0.0002387, 0.0044627)  | 16.8 (2.6, 54.2)            | 0.001216 (0.0001913, 0.0039179)  |
| Bangka Belitung | Tuberculosis                                             | PNN | 12.6 (3.8, 28.1)             | 0.000933 (0.0002812, 0.0020718)  | 10.6 (3.2, 23.9)            | 0.000767 (0.0002333, 0.0017298)  |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 9.7 (2.8, 24.4)              | 0.000713 (0.0002070, 0.0018041)  | 7.9 (2.3, 20.4)             | 0.000573 (0.0001635, 0.0014768)  |
| Bangka Belitung | Preterm birth complications                              | PNN | 27.1 (9.9, 56.6)             | 0.002002 (0.0007310, 0.0041771)  | 33.7 (12.3, 76.8)           | 0.002439 (0.0008872, 0.0055506)  |
| Bangka Belitung | Other neonatal disorders                                 | PNN | 10.8 (1.8, 32.1)             | 0.000799 (0.0001362, 0.0023669)  | 8.7 (1.5, 26.1)             | 0.000632 (0.0001081, 0.0018867)  |
| Bangka Belitung | Other communicable diseases                              | PNN | 167.8 (76.1, 290.5)          | 0.012387 (0.0056192, 0.0214485)  | 129.0 (53.1, 236.3)         | 0.009332 (0.0038435, 0.0170890)  |
| Bangka Belitung | Other malignant neoplasms                                | PNN | 4.0 (1.4, 8.3)               | 0.000293 (0.0001019, 0.0006129)  | 4.0 (1.5, 8.6)              | 0.000290 (0.0001099, 0.0006220)  |
| Bangka Belitung | Cerebrovascular disease                                  | PNN | 1.5 (0.4, 4.3)               | 0.000114 (0.0000295, 0.0003154)  | 2.0 (0.5, 5.5)              | 0.000145 (0.0000357, 0.0004006)  |
| Bangka Belitung | Ischemic heart disease                                   | PNN | 0.8 (0.0, 3.7)               | 0.000060 (0.0000034, 0.0002722)  | 1.1 (0.1, 4.8)              | 0.000078 (0.0000048, 0.0003505)  |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | PNN | 1.4 (0.3, 4.0)               | 0.000103 (0.0000207, 0.0002944)  | 1.7 (0.3, 5.1)              | 0.000125 (0.0000248, 0.0003661)  |
| Bangka Belitung | Diabetes mellitus                                        | PNN | 0.4 (0.0, 3.0)               | 0.000028 (0.0000001, 0.0002221)  | 0.6 (0.0, 5.0)              | 0.000044 (0.0000002, 0.0003651)  |
| Bangka Belitung | Chronic kidney disease                                   | PNN | 6.6 (2.3, 15.1)              | 0.000489 (0.0001685, 0.0011120)  | 7.1 (2.5, 16.3)             | 0.000512 (0.0001815, 0.0011777)  |
| Bangka Belitung | Other non-communicable diseases                          | PNN | 89.9 (44.8, 151.1)           | 0.006636 (0.0033058, 0.0111545)  | 102.1 (49.0, 175.5)         | 0.007384 (0.0035413, 0.0126953)  |
| Bangka Belitung | Drowning                                                 | PNN | 7.1 (2.3, 16.6)              | 0.000528 (0.0001710, 0.0012234)  | 2.0 (0.6, 5.3)              | 0.000146 (0.0000402, 0.0003855)  |
| Bangka Belitung | Falls                                                    | PNN | 3.2 (1.0, 7.6)               | 0.000237 (0.0000723, 0.0005636)  | 1.3 (0.3, 3.1)              | 0.000091 (0.0000249, 0.0002278)  |
| Bangka Belitung | Interpersonal violence                                   | PNN | 3.0 (0.9, 7.9)               | 0.000223 (0.0000662, 0.0005817)  | 2.1 (0.6, 5.2)              | 0.000151 (0.0000427, 0.0003796)  |
| Bangka Belitung | Transport injuries                                       | PNN | 6.2 (2.2, 13.5)              | 0.000454 (0.0001593, 0.0009976)  | 1.8 (0.6, 4.1)              | 0.000130 (0.0000425, 0.0002963)  |
| Bangka Belitung | Other unintentional injuries                             | PNN | 18.8 (8.1, 37.8)             | 0.001387 (0.0005988, 0.0027897)  | 7.4 (2.9, 15.4)             | 0.000535 (0.0002066, 0.0011115)  |
| Bangka Belitung | Diarrheal diseases                                       | 1   | 1,258.4 (432.4, 2,802.5)     | 0.021334 (0.0073302, 0.0475129)  | 1,423.3 (539.3, 2,863.9)    | 0.026396 (0.0100017, 0.0531102)  |
| Bangka Belitung | HIV/AIDS                                                 | 1   | 139.2 (21.6, 519.7)          | 0.002361 (0.0003663, 0.0088105)  | 114.2 (16.8, 389.6)         | 0.002118 (0.0003115, 0.0072246)  |
| Bangka Belitung | Lower respiratory infections                             | 1   | 1,820.0 (717.9, 3,762.2)     | 0.030855 (0.0121711, 0.0637824)  | 1,452.7 (609.9, 2,868.1)    | 0.026941 (0.0113107, 0.0531886)  |
| Bangka Belitung | Malaria                                                  | 1   | 152.1 (23.3, 530.8)          | 0.002578 (0.0003947, 0.0089989)  | 128.6 (19.2, 445.2)         | 0.002384 (0.0003555, 0.0082555)  |
| Bangka Belitung | Tuberculosis                                             | 1   | 286.6 (75.7, 679.1)          | 0.004860 (0.0012829, 0.0115134)  | 248.8 (74.5, 607.8)         | 0.004614 (0.0013813, 0.0112724)  |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 103.8 (23.6, 289.6)          | 0.001760 (0.0003995, 0.0049104)  | 82.7 (20.0, 223.7)          | 0.001534 (0.0003710, 0.0041491)  |
| Bangka Belitung | Preterm birth complications                              | 1   | 57.1 (9.1, 211.4)            | 0.000969 (0.0001544, 0.0035834)  | 68.8 (11.4, 228.9)          | 0.001276 (0.0002111, 0.0042451)  |
| Bangka Belitung | Other neonatal disorders                                 | 1   | 16.5 (0.1, 119.2)            | 0.000280 (0.0000017, 0.0020214)  | 12.7 (0.1, 91.7)            | 0.000236 (0.0000015, 0.0017002)  |
| Bangka Belitung | Other communicable diseases                              | 1   | 3,390.8 (1,358.7, 6,630.5)   | 0.057486 (0.0230342, 0.1124111)  | 2,714.7 (1,174.8, 5,380.1)  | 0.050345 (0.0217865, 0.0997747)  |
| Bangka Belitung | Other malignant neoplasms                                | 1   | 61.3 (19.1, 146.3)           | 0.001039 (0.0003235, 0.0024795)  | 66.1 (23.1, 156.8)          | 0.001226 (0.0004290, 0.0029076)  |
| Bangka Belitung | Cerebrovascular disease                                  | 1   | 26.0 (5.6, 70.1)             | 0.000441 (0.0000941, 0.0011886)  | 36.0 (8.1, 98.5)            | 0.000667 (0.0001505, 0.0018265)  |
| Bangka Belitung | Ischemic heart disease                                   | 1   | 13.5 (0.8, 59.5)             | 0.000229 (0.0000129, 0.0010082)  | 19.3 (1.3, 92.6)            | 0.000357 (0.0000233, 0.0017173)  |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 1   | 22.0 (4.2, 68.5)             | 0.000373 (0.0000707, 0.0011607)  | 28.6 (6.0, 87.5)            | 0.000530 (0.0001115, 0.0016226)  |
| Bangka Belitung | Diabetes mellitus                                        | 1   | 5.8 (0.0, 49.2)              | 0.000099 (0.0000004, 0.0008335)  | 9.9 (0.0, 80.1)             | 0.000184 (0.0000008, 0.0014850)  |



Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males         |                  |                          |                        | Females       |                  |                          |                        |
|-----------------|-----------------------------------------------|-----|---------------|------------------|--------------------------|------------------------|---------------|------------------|--------------------------|------------------------|
|                 |                                               |     | YLLs (95% UI) |                  | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                  | YLLs per capita (95% UI) |                        |
| Bangka Belitung | Chronic kidney disease                        | 1   | 98.7          | (28.7, 250.5)    | 0.001673                 | (0.0004860, 0.0042471) | 112.2         | (34.7, 261.2)    | 0.002081                 | (0.0006429, 0.0048437) |
| Bangka Belitung | Cirrhosis                                     | 1   | 103.4         | (26.4, 266.9)    | 0.001753                 | (0.0004470, 0.0045244) | 61.2          | (15.9, 158.8)    | 0.001134                 | (0.0002955, 0.0029449) |
| Bangka Belitung | Chronic respiratory diseases                  | 1   | 201.7         | (52.7, 501.2)    | 0.003419                 | (0.0008933, 0.0084970) | 96.7          | (23.8, 247.2)    | 0.001793                 | (0.0004422, 0.0045841) |
| Bangka Belitung | Other non-communicable diseases               | 1   | 1,388.4       | (544.1, 2,829.9) | 0.023538                 | (0.0092239, 0.0479764) | 1,676.6       | (764.3, 3,290.2) | 0.031093                 | (0.0141748, 0.0610166) |
| Bangka Belitung | Drowning                                      | 1   | 457.5         | (117.1, 1,134.7) | 0.007756                 | (0.0019851, 0.0192376) | 138.4         | (38.0, 331.8)    | 0.002566                 | (0.0007051, 0.0061532) |
| Bangka Belitung | Falls                                         | 1   | 141.4         | (37.5, 365.4)    | 0.002397                 | (0.0006358, 0.0061946) | 59.1          | (16.8, 144.5)    | 0.001096                 | (0.0003107, 0.0026803) |
| Bangka Belitung | Interpersonal violence                        | 1   | 110.0         | (28.6, 284.3)    | 0.001865                 | (0.0004849, 0.0048205) | 81.9          | (22.4, 222.8)    | 0.001519                 | (0.0004154, 0.0041322) |
| Bangka Belitung | Transport injuries                            | 1   | 347.4         | (102.4, 801.3)   | 0.005889                 | (0.0017355, 0.0135858) | 110.0         | (33.6, 247.3)    | 0.002039                 | (0.0006226, 0.0045869) |
| Bangka Belitung | Other unintentional injuries                  | 1   | 712.0         | (248.7, 1,637.6) | 0.012071                 | (0.0042170, 0.0277636) | 300.5         | (110.2, 628.8)   | 0.005573                 | (0.0020433, 0.0116609) |
| Bangka Belitung | Diarrheal diseases                            | 5   | 278.8         | (146.6, 463.6)   | 0.004182                 | (0.0021985, 0.0069524) | 295.0         | (165.9, 459.5)   | 0.004455                 | (0.0025058, 0.0069398) |
| Bangka Belitung | HIV/AIDS                                      | 5   | 21.3          | (3.2, 69.6)      | 0.000319                 | (0.0000481, 0.0010442) | 16.2          | (2.5, 55.8)      | 0.000244                 | (0.0000380, 0.0008430) |
| Bangka Belitung | Lower respiratory infections                  | 5   | 269.4         | (151.7, 426.6)   | 0.004040                 | (0.0022755, 0.0063973) | 200.3         | (110.7, 317.9)   | 0.003024                 | (0.0016725, 0.0048009) |
| Bangka Belitung | Malaria                                       | 5   | 33.4          | (6.0, 105.0)     | 0.000502                 | (0.0000902, 0.0015741) | 26.3          | (4.7, 77.0)      | 0.000397                 | (0.0000710, 0.0011632) |
| Bangka Belitung | Tuberculosis                                  | 5   | 60.8          | (24.9, 117.4)    | 0.000912                 | (0.0003735, 0.0017605) | 49.2          | (20.5, 96.4)     | 0.000743                 | (0.0003091, 0.0014559) |
| Bangka Belitung | Other communicable diseases                   | 5   | 750.5         | (520.8, 1,028.5) | 0.011254                 | (0.0078097, 0.0154225) | 557.9         | (373.7, 763.2)   | 0.008426                 | (0.0056435, 0.0115268) |
| Bangka Belitung | Other malignant neoplasms                     | 5   | 139.8         | (72.4, 243.1)    | 0.002096                 | (0.0010850, 0.0036450) | 142.0         | (76.1, 233.1)    | 0.002144                 | (0.0011498, 0.0035202) |
| Bangka Belitung | Cerebrovascular disease                       | 5   | 39.2          | (17.6, 77.6)     | 0.000588                 | (0.0002642, 0.0011641) | 49.9          | (24.5, 93.7)     | 0.000754                 | (0.0003702, 0.0014146) |
| Bangka Belitung | Ischemic heart disease                        | 5   | 23.3          | (8.5, 48.5)      | 0.000350                 | (0.0001277, 0.0007276) | 30.5          | (11.3, 59.3)     | 0.000460                 | (0.0001713, 0.0008955) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 5   | 37.5          | (13.2, 90.7)     | 0.000563                 | (0.0001976, 0.0013602) | 45.0          | (17.0, 95.4)     | 0.000679                 | (0.0002570, 0.0014415) |
| Bangka Belitung | Diabetes mellitus                             | 5   | 27.3          | (10.2, 64.2)     | 0.000409                 | (0.0001523, 0.0009634) | 43.8          | (16.8, 98.5)     | 0.000662                 | (0.0002544, 0.0014879) |
| Bangka Belitung | Chronic kidney disease                        | 5   | 76.4          | (36.4, 138.2)    | 0.001146                 | (0.0005455, 0.0020728) | 82.0          | (41.5, 142.8)    | 0.001238                 | (0.0006262, 0.0021567) |
| Bangka Belitung | Cirrhosis                                     | 5   | 103.0         | (49.9, 183.5)    | 0.001545                 | (0.0007484, 0.0027516) | 57.5          | (28.3, 102.5)    | 0.000868                 | (0.0004271, 0.0015478) |
| Bangka Belitung | Chronic respiratory diseases                  | 5   | 58.3          | (23.5, 117.0)    | 0.000874                 | (0.0003517, 0.0017544) | 26.0          | (9.9, 54.8)      | 0.000393                 | (0.0001502, 0.0008272) |
| Bangka Belitung | Other non-communicable diseases               | 5   | 456.0         | (309.9, 625.2)   | 0.006838                 | (0.0046470, 0.0093756) | 515.4         | (365.7, 681.9)   | 0.007785                 | (0.0055236, 0.0102990) |
| Bangka Belitung | Drowning                                      | 5   | 653.2         | (371.8, 979.7)   | 0.009796                 | (0.0055753, 0.0146911) | 265.7         | (136.5, 432.3)   | 0.004013                 | (0.0020614, 0.0065291) |
| Bangka Belitung | Falls                                         | 5   | 105.9         | (42.9, 198.4)    | 0.001589                 | (0.0006439, 0.0029755) | 54.7          | (22.7, 101.6)    | 0.000826                 | (0.0003433, 0.0015350) |
| Bangka Belitung | Interpersonal violence                        | 5   | 37.0          | (13.3, 85.8)     | 0.000555                 | (0.0001999, 0.0012873) | 34.0          | (12.5, 76.8)     | 0.000513                 | (0.0001888, 0.0011605) |
| Bangka Belitung | Transport injuries                            | 5   | 492.9         | (268.8, 741.7)   | 0.007392                 | (0.0040308, 0.0111216) | 204.0         | (97.5, 326.0)    | 0.003081                 | (0.0014723, 0.0049237) |
| Bangka Belitung | Other unintentional injuries                  | 5   | 277.4         | (157.0, 440.5)   | 0.004159                 | (0.0023536, 0.0066058) | 145.8         | (79.2, 238.0)    | 0.002202                 | (0.0011954, 0.0035948) |
| Bangka Belitung | Diarrheal diseases                            | 10  | 116.3         | (54.1, 203.9)    | 0.001906                 | (0.0008861, 0.0033429) | 112.8         | (55.1, 191.0)    | 0.001947                 | (0.0009499, 0.0032957) |
| Bangka Belitung | HIV/AIDS                                      | 10  | 19.0          | (3.5, 60.0)      | 0.000311                 | (0.0000567, 0.0009833) | 13.4          | (2.3, 45.2)      | 0.000232                 | (0.0000389, 0.0007803) |
| Bangka Belitung | Lower respiratory infections                  | 10  | 153.4         | (73.4, 265.5)    | 0.002514                 | (0.0012039, 0.0043522) | 102.5         | (50.1, 180.2)    | 0.001768                 | (0.0008640, 0.0031092) |
| Bangka Belitung | Malaria                                       | 10  | 55.8          | (12.4, 148.1)    | 0.000915                 | (0.0002040, 0.0024274) | 41.4          | (9.3, 114.2)     | 0.000715                 | (0.0001609, 0.0019698) |
| Bangka Belitung | Tuberculosis                                  | 10  | 121.4         | (57.9, 205.8)    | 0.001991                 | (0.0009491, 0.0033734) | 92.1          | (44.2, 153.2)    | 0.001590                 | (0.0007629, 0.0026426) |
| Bangka Belitung | Maternal disorders                            | 10  |               |                  |                          |                        | 13.2          | (2.5, 36.3)      | 0.000228                 | (0.0000423, 0.0006255) |
| Bangka Belitung | Other communicable diseases                   | 10  | 475.1         | (322.8, 665.2)   | 0.007788                 | (0.0052915, 0.0109033) | 315.6         | (205.1, 448.6)   | 0.005445                 | (0.0035388, 0.0077389) |
| Bangka Belitung | Other malignant neoplasms                     | 10  | 183.5         | (104.1, 290.7)   | 0.003009                 | (0.0017060, 0.0047651) | 179.6         | (108.0, 279.3)   | 0.003099                 | (0.0018641, 0.0048193) |
| Bangka Belitung | Cerebrovascular disease                       | 10  | 57.5          | (29.9, 96.9)     | 0.000943                 | (0.0004908, 0.0015875) | 66.0          | (37.4, 106.0)    | 0.001139                 | (0.0006459, 0.0018288) |
| Bangka Belitung | Ischemic heart disease                        | 10  | 50.8          | (27.2, 85.2)     | 0.000833                 | (0.0004458, 0.0013961) | 59.8          | (32.7, 97.9)     | 0.001032                 | (0.0005635, 0.0016889) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 10  | 50.0          | (21.7, 99.0)     | 0.000820                 | (0.0003549, 0.0016224) | 55.7          | (24.8, 105.9)    | 0.000960                 | (0.0004286, 0.0018263) |
| Bangka Belitung | Diabetes mellitus                             | 10  | 34.9          | (17.2, 64.2)     | 0.000572                 | (0.0002824, 0.0010530) | 52.8          | (26.9, 93.0)     | 0.000912                 | (0.0004642, 0.0016041) |
| Bangka Belitung | Chronic kidney disease                        | 10  | 96.4          | (55.6, 157.1)    | 0.001581                 | (0.0009121, 0.0025757) | 97.9          | (58.9, 151.8)    | 0.001690                 | (0.0010157, 0.0026188) |
| Bangka Belitung | Cirrhosis                                     | 10  | 108.3         | (61.5, 176.9)    | 0.001775                 | (0.0010078, 0.0029002) | 55.6          | (31.2, 92.3)     | 0.000959                 | (0.0005380, 0.0015933) |
| Bangka Belitung | Chronic respiratory diseases                  | 10  | 97.7          | (47.1, 172.4)    | 0.001602                 | (0.0007717, 0.0028256) | 43.1          | (19.5, 81.8)     | 0.000743                 | (0.0003370, 0.0014118) |
| Bangka Belitung | Other non-communicable diseases               | 10  | 476.0         | (355.6, 626.5)   | 0.007803                 | (0.0058280, 0.0102686) | 488.6         | (377.4, 619.4)   | 0.008429                 | (0.0065107, 0.0106871) |
| Bangka Belitung | Drowning                                      | 10  | 334.6         | (164.4, 570.2)   | 0.005485                 | (0.0026954, 0.0093467) | 107.3         | (45.7, 210.0)    | 0.001851                 | (0.0007884, 0.0036226) |
| Bangka Belitung | Falls                                         | 10  | 89.6          | (36.9, 174.8)    | 0.001469                 | (0.0006056, 0.0028646) | 38.4          | (16.3, 75.3)     | 0.000662                 | (0.0002814, 0.0012986) |
| Bangka Belitung | Interpersonal violence                        | 10  | 52.8          | (23.7, 101.0)    | 0.000866                 | (0.0003882, 0.0016548) | 43.0          | (20.2, 80.0)     | 0.000743                 | (0.0003486, 0.0013807) |
| Bangka Belitung | Self-harm                                     | 10  | 49.1          | (19.2, 105.7)    | 0.000805                 | (0.0003140, 0.0017323) | 34.8          | (13.5, 68.6)     | 0.000601                 | (0.0002322, 0.0011837) |
| Bangka Belitung | Transport injuries                            | 10  | 693.6         | (463.9, 933.5)   | 0.011368                 | (0.0076038, 0.0153006) | 255.7         | (150.1, 385.1)   | 0.004411                 | (0.0025899, 0.0066447) |
| Bangka Belitung | Other unintentional injuries                  | 10  | 257.5         | (153.4, 392.5)   | 0.004222                 | (0.0025139, 0.0064330) | 116.6         | (65.1, 184.7)    | 0.002012                 | (0.0011238, 0.0031868) |
| Bangka Belitung | Diarrheal diseases                            | 15  | 74.8          | (29.3, 144.5)    | 0.001333                 | (0.0005219, 0.0025745) | 23.1          | (8.9, 49.1)      | 0.000442                 | (0.0001714, 0.0009399) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Bangka Belitung | HIV/AIDS                                      | 15  | 20.8 (3.3, 68.8)           | 0.000371 (0.0000593, 0.0012264) | 5.0 (0.8, 17.8)        | 0.000096 (0.0000145, 0.0003419) |
| Bangka Belitung | Lower respiratory infections                  | 15  | 98.1 (40.2, 186.0)         | 0.001747 (0.0007170, 0.0033143) | 19.6 (7.6, 41.7)       | 0.000376 (0.0001453, 0.0007995) |
| Bangka Belitung | Malaria                                       | 15  | 128.2 (32.4, 288.8)        | 0.002284 (0.0005776, 0.0051446) | 32.8 (7.3, 80.0)       | 0.000629 (0.0001395, 0.0015319) |
| Bangka Belitung | Tuberculosis                                  | 15  | 239.1 (131.4, 391.8)       | 0.004260 (0.0023402, 0.0069794) | 58.2 (30.3, 98.2)      | 0.001115 (0.0005808, 0.0018811) |
| Bangka Belitung | Maternal disorders                            | 15  |                            |                                 | 366.8 (245.3, 512.8)   | 0.007027 (0.0046993, 0.0098243) |
| Bangka Belitung | Other communicable diseases                   | 15  | 390.3 (205.2, 610.8)       | 0.006954 (0.0036565, 0.0108811) | 79.2 (36.0, 140.2)     | 0.001517 (0.0006897, 0.0026857) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 15  | 33.2 (7.8, 90.0)           | 0.000592 (0.0001384, 0.0016031) | 11.4 (2.6, 30.4)       | 0.000219 (0.0000499, 0.0005817) |
| Bangka Belitung | Breast cancer                                 | 15  | 0.8 (0.1, 3.4)             | 0.000014 (0.0000012, 0.0000609) | 20.6 (5.1, 50.4)       | 0.000394 (0.0000979, 0.0009657) |
| Bangka Belitung | Cervical cancer                               | 15  |                            |                                 | 24.5 (4.6, 67.3)       | 0.000470 (0.0000877, 0.0012897) |
| Bangka Belitung | Other malignant neoplasms                     | 15  | 225.8 (130.8, 368.2)       | 0.004022 (0.0023295, 0.0065595) | 232.7 (136.1, 361.5)   | 0.004459 (0.0026068, 0.0069249) |
| Bangka Belitung | Cerebrovascular disease                       | 15  | 120.3 (65.4, 193.2)        | 0.002143 (0.0011659, 0.0034413) | 110.0 (61.6, 175.0)    | 0.002108 (0.0011805, 0.0033532) |
| Bangka Belitung | Ischemic heart disease                        | 15  | 171.0 (101.1, 261.4)       | 0.003046 (0.0018015, 0.0046575) | 142.3 (85.7, 217.2)    | 0.002726 (0.0016410, 0.0041609) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 15  | 82.9 (37.9, 157.8)         | 0.001477 (0.0006745, 0.0028116) | 84.4 (36.8, 160.0)     | 0.001617 (0.0007056, 0.0030650) |
| Bangka Belitung | Diabetes mellitus                             | 15  | 59.5 (29.8, 110.2)         | 0.001060 (0.0005301, 0.0019640) | 84.0 (42.1, 151.3)     | 0.001609 (0.0008058, 0.0028986) |
| Bangka Belitung | Chronic kidney disease                        | 15  | 145.9 (86.0, 238.2)        | 0.002600 (0.0015319, 0.0042441) | 141.6 (84.4, 220.9)    | 0.002714 (0.0016172, 0.0042327) |
| Bangka Belitung | Cirrhosis                                     | 15  | 154.1 (85.7, 249.5)        | 0.002745 (0.0015275, 0.0044441) | 70.3 (39.1, 117.9)     | 0.001347 (0.0007490, 0.0022596) |
| Bangka Belitung | Chronic respiratory diseases                  | 15  | 88.4 (39.0, 159.6)         | 0.001574 (0.0006948, 0.0028443) | 43.7 (19.4, 84.0)      | 0.000838 (0.0003710, 0.0016101) |
| Bangka Belitung | Other non-communicable diseases               | 15  | 625.0 (442.5, 845.0)       | 0.011135 (0.0078836, 0.0150551) | 543.3 (399.7, 717.4)   | 0.010408 (0.0076566, 0.0137435) |
| Bangka Belitung | Drowning                                      | 15  | 259.2 (114.7, 504.7)       | 0.004618 (0.0020442, 0.0089919) | 61.4 (24.5, 129.7)     | 0.001176 (0.0004696, 0.0024846) |
| Bangka Belitung | Falls                                         | 15  | 108.1 (52.0, 195.4)        | 0.001925 (0.0009269, 0.0034815) | 37.5 (16.7, 70.3)      | 0.000719 (0.0003195, 0.0013461) |
| Bangka Belitung | Interpersonal violence                        | 15  | 122.1 (62.6, 220.1)        | 0.002176 (0.0011152, 0.0039209) | 96.6 (46.7, 174.8)     | 0.001851 (0.0008941, 0.0033496) |
| Bangka Belitung | Self-harm                                     | 15  | 92.9 (41.6, 175.2)         | 0.001656 (0.0007415, 0.0031211) | 66.3 (29.4, 126.4)     | 0.001270 (0.0005635, 0.0024206) |
| Bangka Belitung | Transport injuries                            | 15  | 2,226.0 (1,710.4, 2,786.8) | 0.039657 (0.0304730, 0.0496490) | 821.7 (611.4, 1,076.0) | 0.015742 (0.0117121, 0.0206145) |
| Bangka Belitung | Other unintentional injuries                  | 15  | 427.8 (272.5, 640.2)       | 0.007621 (0.0048552, 0.0114061) | 173.3 (101.0, 265.5)   | 0.003320 (0.0019350, 0.0050854) |
| Bangka Belitung | Diarrheal diseases                            | 20  | 97.9 (37.2, 201.5)         | 0.001483 (0.0005631, 0.0030515) | 40.0 (15.6, 80.0)      | 0.000639 (0.0002484, 0.0012784) |
| Bangka Belitung | HIV/AIDS                                      | 20  | 102.1 (20.7, 285.6)        | 0.001546 (0.0003140, 0.0043244) | 29.8 (5.8, 82.7)       | 0.000476 (0.0000930, 0.0013214) |
| Bangka Belitung | Lower respiratory infections                  | 20  | 135.9 (54.5, 273.8)        | 0.002058 (0.0008258, 0.0041463) | 31.0 (12.2, 64.5)      | 0.000495 (0.0001943, 0.0010310) |
| Bangka Belitung | Malaria                                       | 20  | 223.8 (59.6, 516.3)        | 0.003390 (0.0009025, 0.0078181) | 71.3 (18.0, 161.3)     | 0.001139 (0.0002882, 0.0025759) |
| Bangka Belitung | Tuberculosis                                  | 20  | 740.5 (449.3, 1,130.3)     | 0.011214 (0.0068034, 0.0171163) | 185.5 (106.5, 292.7)   | 0.002963 (0.0017016, 0.0046747) |
| Bangka Belitung | Maternal disorders                            | 20  |                            |                                 | 576.7 (389.6, 824.4)   | 0.009211 (0.0062226, 0.0131679) |
| Bangka Belitung | Other communicable diseases                   | 20  | 646.9 (327.2, 1,021.3)     | 0.009796 (0.0049549, 0.0154660) | 176.8 (82.1, 296.9)    | 0.002823 (0.0013112, 0.0047422) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 20  | 34.4 (7.0, 102.3)          | 0.000520 (0.0001060, 0.0015489) | 24.7 (6.6, 61.6)       | 0.000395 (0.0001052, 0.0009840) |
| Bangka Belitung | Breast cancer                                 | 20  | 1.6 (0.2, 5.2)             | 0.000024 (0.0000035, 0.0000789) | 92.2 (31.5, 178.3)     | 0.001472 (0.0005026, 0.0028470) |
| Bangka Belitung | Cervical cancer                               | 20  |                            |                                 | 69.8 (17.2, 169.6)     | 0.001115 (0.0002748, 0.0027095) |
| Bangka Belitung | Other malignant neoplasms                     | 20  | 291.1 (165.6, 477.1)       | 0.004408 (0.0025082, 0.0072256) | 366.9 (208.8, 578.0)   | 0.005860 (0.0033343, 0.0092315) |
| Bangka Belitung | Cerebrovascular disease                       | 20  | 297.8 (179.9, 455.2)       | 0.004510 (0.0027248, 0.0068937) | 236.9 (151.0, 352.2)   | 0.003784 (0.0024116, 0.0056261) |
| Bangka Belitung | Ischemic heart disease                        | 20  | 419.3 (261.1, 634.5)       | 0.006350 (0.0039536, 0.0096078) | 235.0 (146.1, 357.8)   | 0.003754 (0.0023341, 0.0057152) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 20  | 169.1 (82.1, 296.1)        | 0.002560 (0.0012439, 0.0044841) | 166.9 (84.4, 285.6)    | 0.002666 (0.0013475, 0.0045618) |
| Bangka Belitung | Diabetes mellitus                             | 20  | 78.5 (42.3, 135.6)         | 0.001189 (0.0006405, 0.0020540) | 107.2 (59.6, 179.1)    | 0.001712 (0.0009520, 0.0028605) |
| Bangka Belitung | Chronic kidney disease                        | 20  | 313.2 (194.2, 497.9)       | 0.004743 (0.0029414, 0.0075402) | 287.8 (184.3, 431.1)   | 0.004597 (0.0029433, 0.0068860) |
| Bangka Belitung | Cirrhosis                                     | 20  | 326.0 (185.3, 507.8)       | 0.004937 (0.0028061, 0.0076901) | 149.1 (84.1, 245.9)    | 0.002382 (0.0013432, 0.0039278) |
| Bangka Belitung | Chronic respiratory diseases                  | 20  | 264.9 (137.3, 453.8)       | 0.004012 (0.0020789, 0.0068723) | 154.1 (76.5, 264.0)    | 0.002461 (0.0012224, 0.0042168) |
| Bangka Belitung | Other non-communicable diseases               | 20  | 792.5 (528.8, 1,138.8)     | 0.012002 (0.0080074, 0.0172449) | 638.4 (453.0, 878.4)   | 0.010196 (0.0072359, 0.0140299) |
| Bangka Belitung | Drowning                                      | 20  | 234.9 (91.5, 467.1)        | 0.003558 (0.0013862, 0.0070742) | 50.8 (19.1, 107.6)     | 0.000811 (0.0003055, 0.0017184) |
| Bangka Belitung | Falls                                         | 20  | 136.1 (62.4, 245.8)        | 0.002062 (0.0009447, 0.0037219) | 42.0 (18.4, 75.9)      | 0.000671 (0.0002937, 0.0012126) |
| Bangka Belitung | Interpersonal violence                        | 20  | 203.7 (106.0, 362.6)       | 0.003085 (0.0016059, 0.0054905) | 128.6 (62.0, 231.2)    | 0.002054 (0.0009904, 0.0036924) |
| Bangka Belitung | Self-harm                                     | 20  | 135.2 (63.7, 243.7)        | 0.002048 (0.0009645, 0.0036911) | 75.7 (33.9, 151.9)     | 0.001208 (0.0005414, 0.0024255) |
| Bangka Belitung | Transport injuries                            | 20  | 2,463.7 (1,748.6, 3,265.4) | 0.037308 (0.0264793, 0.0494487) | 718.9 (477.5, 1,002.6) | 0.011482 (0.0076266, 0.0160131) |
| Bangka Belitung | Other unintentional injuries                  | 20  | 640.3 (397.8, 941.9)       | 0.009696 (0.0060246, 0.0142635) | 216.8 (121.3, 332.8)   | 0.003462 (0.0019372, 0.0053150) |
| Bangka Belitung | Diarrheal diseases                            | 25  | 152.6 (61.9, 290.2)        | 0.002064 (0.0008372, 0.0039251) | 59.0 (23.3, 112.8)     | 0.000910 (0.0003599, 0.0017406) |
| Bangka Belitung | HIV/AIDS                                      | 25  | 206.1 (46.8, 547.0)        | 0.002788 (0.0006334, 0.0073976) | 54.7 (12.3, 151.0)     | 0.000844 (0.0001901, 0.0023302) |
| Bangka Belitung | Lower respiratory infections                  | 25  | 155.8 (60.9, 321.9)        | 0.002107 (0.0008243, 0.0043535) | 33.1 (12.7, 72.4)      | 0.000510 (0.0001964, 0.0011171) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Bangka Belitung | Malaria                                       | 25  | 263.9 (70.2, 618.2)        | 0.003569 (0.0009495, 0.0083617) | 73.6 (19.1, 170.4)     | 0.001135 (0.0002941, 0.0026290) |
| Bangka Belitung | Tuberculosis                                  | 25  | 1,111.7 (680.6, 1,680.3)   | 0.015036 (0.0092046, 0.0227264) | 234.4 (131.0, 373.5)   | 0.003616 (0.0020204, 0.0057624) |
| Bangka Belitung | Maternal disorders                            | 25  |                            |                                 | 834.4 (571.7, 1,181.0) | 0.012872 (0.0088192, 0.0182203) |
| Bangka Belitung | Other communicable diseases                   | 25  | 755.2 (397.1, 1,193.5)     | 0.010214 (0.0053704, 0.0161416) | 200.3 (98.4, 347.6)    | 0.003090 (0.0015184, 0.0053630) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 25  | 37.9 (7.5, 117.6)          | 0.000512 (0.0001019, 0.0015912) | 35.1 (9.8, 84.4)       | 0.000542 (0.0001518, 0.0013015) |
| Bangka Belitung | Breast cancer                                 | 25  | 1.6 (0.3, 5.2)             | 0.000021 (0.0000040, 0.0000709) | 196.4 (75.9, 356.7)    | 0.003030 (0.0011708, 0.0055023) |
| Bangka Belitung | Cervical cancer                               | 25  |                            |                                 | 136.9 (40.1, 302.4)    | 0.002113 (0.0006186, 0.0046654) |
| Bangka Belitung | Other malignant neoplasms                     | 25  | 425.5 (244.5, 678.9)       | 0.005754 (0.0033064, 0.0091819) | 437.9 (248.2, 717.2)   | 0.006755 (0.0038291, 0.0110644) |
| Bangka Belitung | Cerebrovascular disease                       | 25  | 561.3 (357.2, 814.3)       | 0.007591 (0.0048309, 0.0110139) | 423.4 (281.2, 608.6)   | 0.006532 (0.0043383, 0.0093885) |
| Bangka Belitung | Ischemic heart disease                        | 25  | 832.5 (562.7, 1,201.6)     | 0.011260 (0.0076111, 0.0162519) | 408.7 (266.2, 599.9)   | 0.006306 (0.0041074, 0.0092553) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 25  | 237.1 (120.4, 406.3)       | 0.003207 (0.0016278, 0.0054958) | 223.2 (116.5, 362.9)   | 0.003444 (0.0017965, 0.0055985) |
| Bangka Belitung | Diabetes mellitus                             | 25  | 144.2 (88.5, 228.7)        | 0.001950 (0.0011969, 0.0030932) | 179.9 (110.2, 278.0)   | 0.002776 (0.0017004, 0.0042886) |
| Bangka Belitung | Chronic kidney disease                        | 25  | 387.3 (249.4, 599.8)       | 0.005238 (0.0033728, 0.0081119) | 321.2 (205.4, 476.8)   | 0.004955 (0.0031695, 0.0073560) |
| Bangka Belitung | Cirrhosis                                     | 25  | 492.4 (294.8, 756.4)       | 0.006660 (0.0039869, 0.0102304) | 217.5 (123.9, 342.3)   | 0.003355 (0.0019117, 0.0052801) |
| Bangka Belitung | Chronic respiratory diseases                  | 25  | 358.0 (185.5, 598.2)       | 0.004842 (0.0025094, 0.0080909) | 200.5 (99.7, 337.5)    | 0.003093 (0.0015376, 0.0052075) |
| Bangka Belitung | Other non-communicable diseases               | 25  | 975.7 (648.1, 1,391.5)     | 0.013196 (0.0087655, 0.0188205) | 749.4 (514.4, 1,031.4) | 0.011561 (0.0079366, 0.0159112) |
| Bangka Belitung | Drowning                                      | 25  | 165.2 (58.7, 362.1)        | 0.002235 (0.0007940, 0.0048975) | 37.2 (13.2, 83.7)      | 0.000574 (0.0002035, 0.0012918) |
| Bangka Belitung | Falls                                         | 25  | 205.4 (91.0, 373.3)        | 0.002778 (0.0012310, 0.0050491) | 63.6 (28.6, 116.4)     | 0.000982 (0.0004415, 0.0017964) |
| Bangka Belitung | Interpersonal violence                        | 25  | 217.1 (117.0, 381.5)       | 0.002937 (0.0015820, 0.0051597) | 118.2 (55.8, 212.2)    | 0.001824 (0.0008603, 0.0032739) |
| Bangka Belitung | Self-harm                                     | 25  | 133.1 (61.1, 248.9)        | 0.001800 (0.0008259, 0.0033665) | 62.4 (28.3, 126.3)     | 0.000963 (0.0004359, 0.0019481) |
| Bangka Belitung | Transport injuries                            | 25  | 1,816.6 (1,221.7, 2,531.0) | 0.024570 (0.0165229, 0.0342314) | 464.4 (282.1, 699.1)   | 0.007164 (0.0043520, 0.0107847) |
| Bangka Belitung | Other unintentional injuries                  | 25  | 807.4 (498.6, 1,268.8)     | 0.010920 (0.0067442, 0.0171609) | 251.7 (144.5, 390.8)   | 0.003882 (0.0022296, 0.0060295) |
| Bangka Belitung | Diarrheal diseases                            | 30  | 134.4 (53.8, 250.2)        | 0.002127 (0.0008510, 0.0039572) | 74.4 (32.2, 141.1)     | 0.001355 (0.0005865, 0.0025685) |
| Bangka Belitung | HIV/AIDS                                      | 30  | 166.6 (38.6, 403.9)        | 0.002636 (0.0006111, 0.0063897) | 63.9 (15.1, 169.6)     | 0.001164 (0.0002742, 0.0030874) |
| Bangka Belitung | Lower respiratory infections                  | 30  | 113.4 (44.3, 234.1)        | 0.001794 (0.0007009, 0.0037034) | 36.0 (14.2, 77.0)      | 0.000656 (0.0002581, 0.0014021) |
| Bangka Belitung | Malaria                                       | 30  | 182.8 (49.8, 425.8)        | 0.002891 (0.0007883, 0.0067354) | 68.0 (18.2, 161.5)     | 0.001238 (0.0003315, 0.0029390) |
| Bangka Belitung | Tuberculosis                                  | 30  | 897.6 (554.0, 1,353.3)     | 0.014199 (0.0087641, 0.0214073) | 258.3 (142.6, 396.5)   | 0.004701 (0.0025945, 0.0072166) |
| Bangka Belitung | Maternal disorders                            | 30  |                            |                                 | 539.6 (356.0, 778.0)   | 0.009821 (0.0064781, 0.0141593) |
| Bangka Belitung | Other communicable diseases                   | 30  | 414.8 (203.7, 693.5)       | 0.006562 (0.0032218, 0.0109707) | 161.0 (76.2, 276.7)    | 0.002929 (0.0013860, 0.0050365) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 30  | 76.9 (18.9, 212.6)         | 0.001216 (0.0002983, 0.0033624) | 35.6 (9.8, 84.5)       | 0.000648 (0.0001776, 0.0015385) |
| Bangka Belitung | Breast cancer                                 | 30  | 1.6 (0.2, 6.4)             | 0.000025 (0.0000033, 0.0001016) | 284.9 (129.3, 486.1)   | 0.005186 (0.0023535, 0.0088474) |
| Bangka Belitung | Cervical cancer                               | 30  |                            |                                 | 183.7 (58.6, 387.5)    | 0.003344 (0.0010672, 0.0070527) |
| Bangka Belitung | Other malignant neoplasms                     | 30  | 457.9 (261.7, 728.4)       | 0.007244 (0.0041393, 0.0115229) | 410.6 (228.5, 678.7)   | 0.007474 (0.0041590, 0.0123513) |
| Bangka Belitung | Cerebrovascular disease                       | 30  | 734.8 (488.7, 1,055.5)     | 0.011624 (0.0077314, 0.0166963) | 600.2 (403.8, 849.7)   | 0.010924 (0.0073494, 0.0154645) |
| Bangka Belitung | Ischemic heart disease                        | 30  | 1,030.0 (707.8, 1,424.3)   | 0.016294 (0.0111967, 0.0225301) | 527.2 (348.5, 748.8)   | 0.009595 (0.0063426, 0.0136284) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 30  | 240.7 (124.4, 408.6)       | 0.003808 (0.0019671, 0.0064633) | 242.2 (130.0, 395.4)   | 0.004409 (0.0023655, 0.0071958) |
| Bangka Belitung | Diabetes mellitus                             | 30  | 202.7 (127.2, 306.2)       | 0.003206 (0.0020121, 0.0048431) | 261.5 (172.1, 387.1)   | 0.004760 (0.0031321, 0.0070447) |
| Bangka Belitung | Chronic kidney disease                        | 30  | 362.4 (233.0, 564.4)       | 0.005733 (0.0036859, 0.0089287) | 307.9 (194.3, 457.2)   | 0.005603 (0.0035353, 0.0083216) |
| Bangka Belitung | Cirrhosis                                     | 30  | 537.6 (334.1, 812.5)       | 0.008505 (0.0052844, 0.0128522) | 258.6 (152.5, 400.8)   | 0.004706 (0.0027751, 0.0072948) |
| Bangka Belitung | Chronic respiratory diseases                  | 30  | 302.4 (156.1, 495.4)       | 0.004784 (0.0024689, 0.0078359) | 183.6 (96.2, 304.7)    | 0.003342 (0.0017509, 0.0055458) |
| Bangka Belitung | Other non-communicable diseases               | 30  | 843.4 (553.9, 1,205.3)     | 0.013341 (0.0087621, 0.0190661) | 699.5 (490.3, 966.0)   | 0.012730 (0.0089237, 0.0175816) |
| Bangka Belitung | Drowning                                      | 30  | 144.4 (55.9, 304.2)        | 0.002285 (0.0008836, 0.0048121) | 41.6 (15.7, 89.4)      | 0.000757 (0.0002861, 0.0016262) |
| Bangka Belitung | Falls                                         | 30  | 196.5 (91.2, 354.8)        | 0.003109 (0.0014428, 0.0056119) | 74.0 (33.6, 132.6)     | 0.001346 (0.0006121, 0.0024139) |
| Bangka Belitung | Interpersonal violence                        | 30  | 145.4 (77.7, 255.1)        | 0.002300 (0.0012293, 0.0040355) | 83.9 (39.7, 154.6)     | 0.001528 (0.0007224, 0.0028129) |
| Bangka Belitung | Self-harm                                     | 30  | 88.2 (39.8, 163.7)         | 0.001395 (0.0006290, 0.0025894) | 42.7 (18.5, 85.8)      | 0.000777 (0.0003368, 0.0015609) |
| Bangka Belitung | Transport injuries                            | 30  | 1,290.2 (828.9, 1,851.1)   | 0.020409 (0.0131124, 0.0292815) | 376.6 (217.1, 575.7)   | 0.006855 (0.0039511, 0.0104772) |
| Bangka Belitung | Other unintentional injuries                  | 30  | 619.5 (371.3, 989.6)       | 0.009800 (0.0058742, 0.0156542) | 216.3 (123.1, 353.9)   | 0.003936 (0.0022405, 0.0064407) |
| Bangka Belitung | Diarrheal diseases                            | 35  | 97.9 (39.3, 187.9)         | 0.001875 (0.0007516, 0.0035976) | 35.2 (14.2, 69.0)      | 0.000768 (0.0003105, 0.0015049) |
| Bangka Belitung | HIV/AIDS                                      | 35  | 119.6 (26.3, 302.1)        | 0.002291 (0.0005032, 0.0057843) | 27.9 (6.2, 78.7)       | 0.000607 (0.0001346, 0.0017158) |
| Bangka Belitung | Lower respiratory infections                  | 35  | 95.9 (38.7, 195.7)         | 0.001835 (0.0007411, 0.0037477) | 20.2 (7.5, 45.6)       | 0.000440 (0.0001632, 0.0009942) |
| Bangka Belitung | Malaria                                       | 35  | 135.7 (40.2, 317.7)        | 0.002598 (0.0007691, 0.0060822) | 29.0 (7.3, 71.5)       | 0.000633 (0.0001588, 0.0015592) |
| Bangka Belitung | Tuberculosis                                  | 35  | 764.2 (463.4, 1,168.0)     | 0.014632 (0.0088734, 0.0223635) | 128.1 (67.1, 217.7)    | 0.002793 (0.0014623, 0.0047462) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Bangka Belitung | Maternal disorders                            | 35  |                            |                                 | 819.1 (558.3, 1,170.0)   | 0.017854 (0.0121702, 0.0255044) |
| Bangka Belitung | Other communicable diseases                   | 35  | 305.5 (144.6, 521.9)       | 0.005850 (0.0027684, 0.0099934) | 79.9 (36.5, 139.4)       | 0.001741 (0.0007949, 0.0030377) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 35  | 66.9 (17.4, 167.4)         | 0.001282 (0.0003327, 0.0032052) | 42.7 (13.0, 98.8)        | 0.000931 (0.0002844, 0.0021537) |
| Bangka Belitung | Breast cancer                                 | 35  | 3.1 (0.5, 11.0)            | 0.000060 (0.0000093, 0.0002115) | 344.3 (144.2, 601.6)     | 0.007506 (0.0031437, 0.0131130) |
| Bangka Belitung | Cervical cancer                               | 35  |                            |                                 | 325.5 (111.5, 651.1)     | 0.007095 (0.0024309, 0.0141937) |
| Bangka Belitung | Other malignant neoplasms                     | 35  | 594.1 (351.4, 921.7)       | 0.011375 (0.0067279, 0.0176483) | 391.6 (193.7, 681.7)     | 0.008536 (0.0042232, 0.0148603) |
| Bangka Belitung | Cerebrovascular disease                       | 35  | 979.5 (683.1, 1,370.0)     | 0.018754 (0.0130794, 0.0262319) | 909.6 (619.0, 1,284.3)   | 0.019827 (0.0134938, 0.0279948) |
| Bangka Belitung | Ischemic heart disease                        | 35  | 1,184.8 (829.8, 1,643.4)   | 0.022685 (0.0158885, 0.0314658) | 704.2 (469.9, 1,004.9)   | 0.015350 (0.0102426, 0.0219055) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 35  | 271.0 (145.1, 454.9)       | 0.005189 (0.0027787, 0.0087105) | 288.1 (156.1, 471.2)     | 0.006280 (0.0034034, 0.0102722) |
| Bangka Belitung | Diabetes mellitus                             | 35  | 326.7 (213.3, 486.4)       | 0.006255 (0.0040850, 0.0093128) | 442.8 (294.4, 639.9)     | 0.009652 (0.0064183, 0.0139489) |
| Bangka Belitung | Chronic kidney disease                        | 35  | 372.0 (238.5, 565.4)       | 0.007123 (0.0045673, 0.0108266) | 326.0 (202.5, 480.2)     | 0.007107 (0.0044147, 0.0104672) |
| Bangka Belitung | Cirrhosis                                     | 35  | 575.4 (363.4, 873.5)       | 0.011017 (0.0069587, 0.0167251) | 314.4 (184.6, 491.5)     | 0.006853 (0.0040234, 0.0107143) |
| Bangka Belitung | Chronic respiratory diseases                  | 35  | 328.5 (176.3, 538.4)       | 0.006290 (0.0033758, 0.0103083) | 196.8 (99.6, 326.2)      | 0.004289 (0.0021719, 0.0071109) |
| Bangka Belitung | Other non-communicable diseases               | 35  | 752.7 (515.2, 1,089.1)     | 0.014413 (0.0098652, 0.0208538) | 688.5 (473.5, 972.7)     | 0.015009 (0.0103217, 0.0212034) |
| Bangka Belitung | Drowning                                      | 35  | 148.6 (59.2, 300.6)        | 0.002845 (0.0011331, 0.0057557) | 62.4 (23.1, 132.2)       | 0.001361 (0.0005038, 0.0028818) |
| Bangka Belitung | Falls                                         | 35  | 165.6 (78.4, 296.1)        | 0.003171 (0.0015016, 0.0056691) | 84.6 (38.1, 154.4)       | 0.001845 (0.0008311, 0.0033662) |
| Bangka Belitung | Interpersonal violence                        | 35  | 108.2 (54.3, 190.8)        | 0.002072 (0.0010387, 0.0036523) | 68.3 (31.0, 127.0)       | 0.001489 (0.0006753, 0.0027694) |
| Bangka Belitung | Self-harm                                     | 35  | 71.0 (32.4, 133.5)         | 0.001359 (0.0006212, 0.0025562) | 36.0 (14.9, 71.5)        | 0.000785 (0.0003240, 0.0015577) |
| Bangka Belitung | Transport injuries                            | 35  | 884.7 (556.4, 1,283.8)     | 0.016940 (0.0106527, 0.0245805) | 320.7 (182.0, 518.5)     | 0.006991 (0.0039670, 0.0113015) |
| Bangka Belitung | Other unintentional injuries                  | 35  | 499.5 (302.1, 787.8)       | 0.009565 (0.0057840, 0.0150847) | 208.0 (117.1, 336.8)     | 0.004533 (0.0025526, 0.0073417) |
| Bangka Belitung | Diarrheal diseases                            | 40  | 93.9 (37.1, 179.4)         | 0.002187 (0.0008634, 0.0041777) | 108.6 (48.3, 199.9)      | 0.002832 (0.0012605, 0.0052133) |
| Bangka Belitung | HIV/AIDS                                      | 40  | 53.9 (10.4, 149.1)         | 0.001255 (0.0002419, 0.0034715) | 40.4 (8.5, 117.7)        | 0.001053 (0.0002213, 0.0030709) |
| Bangka Belitung | Lower respiratory infections                  | 40  | 82.0 (33.7, 168.6)         | 0.001909 (0.0007839, 0.0039264) | 57.7 (24.5, 122.3)       | 0.001504 (0.0006401, 0.0031902) |
| Bangka Belitung | Malaria                                       | 40  | 118.2 (33.7, 264.8)        | 0.002753 (0.0007858, 0.0061670) | 77.3 (19.4, 193.1)       | 0.002017 (0.0005059, 0.0050358) |
| Bangka Belitung | Tuberculosis                                  | 40  | 605.0 (382.0, 923.1)       | 0.014092 (0.0088971, 0.0215003) | 317.5 (189.4, 491.4)     | 0.008282 (0.0049405, 0.0128169) |
| Bangka Belitung | Maternal disorders                            | 40  |                            |                                 | 75.2 (39.9, 127.2)       | 0.001962 (0.0010414, 0.0033189) |
| Bangka Belitung | Other communicable diseases                   | 40  | 262.2 (124.1, 442.2)       | 0.006107 (0.0028910, 0.0103004) | 223.8 (114.4, 375.8)     | 0.005837 (0.0029854, 0.0098035) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 40  | 106.9 (33.2, 240.7)        | 0.002489 (0.0007740, 0.0056066) | 46.0 (14.2, 106.0)       | 0.001200 (0.0003695, 0.0027650) |
| Bangka Belitung | Breast cancer                                 | 40  | 5.9 (1.3, 16.3)            | 0.000137 (0.0000300, 0.0003803) | 416.2 (195.1, 697.5)     | 0.010856 (0.0050895, 0.0181952) |
| Bangka Belitung | Cervical cancer                               | 40  |                            |                                 | 312.0 (111.2, 606.4)     | 0.008137 (0.0028994, 0.0158178) |
| Bangka Belitung | Other malignant neoplasms                     | 40  | 655.8 (392.5, 1,012.0)     | 0.015274 (0.0091426, 0.0235704) | 368.9 (187.0, 640.2)     | 0.009623 (0.0048779, 0.0166987) |
| Bangka Belitung | Cerebrovascular disease                       | 40  | 1,389.5 (1,000.1, 1,922.0) | 0.032362 (0.0232927, 0.0447644) | 1,236.2 (884.2, 1,662.9) | 0.032245 (0.0230637, 0.0433761) |
| Bangka Belitung | Ischemic heart disease                        | 40  | 1,620.6 (1,170.5, 2,190.3) | 0.037745 (0.0272613, 0.0510128) | 918.0 (635.0, 1,264.0)   | 0.023946 (0.0165645, 0.0329699) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 40  | 335.9 (180.9, 555.8)       | 0.007824 (0.0042143, 0.0129442) | 337.5 (189.7, 542.3)     | 0.008804 (0.0049470, 0.0141469) |
| Bangka Belitung | Diabetes mellitus                             | 40  | 606.7 (415.9, 873.6)       | 0.014130 (0.0096869, 0.0203467) | 756.6 (519.3, 1,065.4)   | 0.019736 (0.0135449, 0.0277905) |
| Bangka Belitung | Chronic kidney disease                        | 40  | 421.6 (279.0, 619.0)       | 0.009819 (0.0064991, 0.0144172) | 341.2 (218.7, 495.5)     | 0.008901 (0.0057036, 0.0129246) |
| Bangka Belitung | Cirrhosis                                     | 40  | 637.6 (403.0, 939.5)       | 0.014850 (0.0093855, 0.0218826) | 335.5 (200.9, 515.9)     | 0.008752 (0.0052410, 0.0134557) |
| Bangka Belitung | Chronic respiratory diseases                  | 40  | 337.6 (180.9, 552.8)       | 0.007863 (0.0042135, 0.0128746) | 194.4 (102.6, 317.3)     | 0.005072 (0.0026755, 0.0082778) |
| Bangka Belitung | Other non-communicable diseases               | 40  | 727.3 (503.2, 1,038.8)     | 0.016940 (0.0117204, 0.0241945) | 637.0 (445.8, 884.5)     | 0.016617 (0.0116286, 0.0230717) |
| Bangka Belitung | Drowning                                      | 40  | 73.5 (27.0, 159.6)         | 0.001711 (0.0006284, 0.0037173) | 32.7 (11.4, 71.7)        | 0.000852 (0.0002963, 0.0018690) |
| Bangka Belitung | Falls                                         | 40  | 133.4 (63.9, 241.4)        | 0.003107 (0.0014881, 0.0056218) | 69.9 (32.0, 128.3)       | 0.001823 (0.0008358, 0.0033465) |
| Bangka Belitung | Interpersonal violence                        | 40  | 75.7 (37.1, 135.2)         | 0.001763 (0.0008640, 0.0031492) | 44.4 (19.2, 85.0)        | 0.001158 (0.0005017, 0.0022161) |
| Bangka Belitung | Self-harm                                     | 40  | 56.1 (24.4, 106.0)         | 0.001306 (0.0005674, 0.0024691) | 26.0 (10.8, 51.5)        | 0.000679 (0.0002830, 0.0013446) |
| Bangka Belitung | Transport injuries                            | 40  | 652.5 (399.3, 981.7)       | 0.015196 (0.0093010, 0.0228638) | 232.6 (132.5, 372.9)     | 0.006067 (0.0034566, 0.0097275) |
| Bangka Belitung | Other unintentional injuries                  | 40  | 365.0 (210.6, 580.0)       | 0.008501 (0.0049049, 0.0135076) | 146.6 (81.3, 235.0)      | 0.003825 (0.0021197, 0.0061302) |
| Bangka Belitung | Diarrheal diseases                            | 45  | 89.7 (35.3, 170.7)         | 0.002422 (0.0009534, 0.0046089) | 123.7 (55.0, 219.0)      | 0.003682 (0.0016358, 0.0065186) |
| Bangka Belitung | HIV/AIDS                                      | 45  | 26.8 (5.2, 76.4)           | 0.000724 (0.0001409, 0.0020625) | 23.6 (4.5, 72.2)         | 0.000702 (0.0001328, 0.0021495) |
| Bangka Belitung | Lower respiratory infections                  | 45  | 91.1 (38.2, 189.0)         | 0.002461 (0.0010303, 0.0051038) | 81.5 (34.4, 168.6)       | 0.002425 (0.0010244, 0.0050181) |
| Bangka Belitung | Malaria                                       | 45  | 98.6 (28.1, 231.1)         | 0.002662 (0.0007592, 0.0062425) | 71.2 (17.5, 172.8)       | 0.002118 (0.0005216, 0.0051429) |
| Bangka Belitung | Tuberculosis                                  | 45  | 588.7 (374.3, 893.5)       | 0.015900 (0.0101098, 0.0241295) | 365.5 (220.6, 564.8)     | 0.010878 (0.0065675, 0.0168122) |
| Bangka Belitung | Maternal disorders                            | 45  |                            |                                 | 33.5 (14.5, 66.5)        | 0.000998 (0.0004310, 0.0019790) |
| Bangka Belitung | Other communicable diseases                   | 45  | 216.0 (100.8, 371.9)       | 0.005833 (0.0027223, 0.0100445) | 225.2 (116.7, 375.6)     | 0.006702 (0.0034744, 0.0111791) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 45  | 108.7 (32.3, 243.9)        | 0.002935 (0.0008722, 0.0065872) | 55.3 (16.7, 128.8)         | 0.001647 (0.0004981, 0.0038346) |
| Bangka Belitung | Breast cancer                                 | 45  | 8.7 (2.3, 21.1)            | 0.000234 (0.0000633, 0.0005706) | 393.5 (183.6, 655.0)       | 0.011713 (0.0054650, 0.0194955) |
| Bangka Belitung | Cervical cancer                               | 45  |                            |                                 | 294.3 (105.3, 564.6)       | 0.008759 (0.0031345, 0.0168047) |
| Bangka Belitung | Other malignant neoplasms                     | 45  | 668.1 (393.3, 1,037.2)     | 0.018043 (0.0106208, 0.0280111) | 342.5 (177.6, 599.4)       | 0.010196 (0.0052867, 0.0178415) |
| Bangka Belitung | Cerebrovascular disease                       | 45  | 1,791.4 (1,305.3, 2,458.6) | 0.048380 (0.0352522, 0.0663988) | 1,760.8 (1,302.7, 2,312.0) | 0.052409 (0.0387757, 0.0688171) |
| Bangka Belitung | Ischemic heart disease                        | 45  | 1,771.1 (1,297.3, 2,390.6) | 0.047833 (0.0350368, 0.0645639) | 1,176.4 (832.5, 1,598.2)   | 0.035015 (0.0247799, 0.0475714) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 45  | 412.0 (232.5, 672.6)       | 0.011127 (0.0062789, 0.0181653) | 426.8 (242.9, 689.8)       | 0.012703 (0.0072301, 0.0205316) |
| Bangka Belitung | Diabetes mellitus                             | 45  | 913.9 (638.1, 1,295.2)     | 0.024683 (0.0172320, 0.0349785) | 1,198.4 (845.3, 1,613.9)   | 0.035670 (0.0251609, 0.0480382) |
| Bangka Belitung | Chronic kidney disease                        | 45  | 428.3 (289.6, 625.4)       | 0.011568 (0.0078222, 0.0168897) | 363.6 (238.1, 515.7)       | 0.010822 (0.0070876, 0.0153498) |
| Bangka Belitung | Cirrhosis                                     | 45  | 621.5 (384.0, 926.7)       | 0.016784 (0.0103705, 0.0250281) | 363.5 (219.7, 547.8)       | 0.010820 (0.0065395, 0.0163051) |
| Bangka Belitung | Chronic respiratory diseases                  | 45  | 441.3 (243.2, 703.7)       | 0.011917 (0.0065692, 0.0190052) | 251.9 (137.4, 398.9)       | 0.007499 (0.0040891, 0.0118726) |
| Bangka Belitung | Other non-communicable diseases               | 45  | 684.6 (473.9, 985.3)       | 0.018488 (0.0127995, 0.0266101) | 644.8 (454.4, 885.1)       | 0.019191 (0.0135255, 0.0263463) |
| Bangka Belitung | Drowning                                      | 45  | 47.0 (16.1, 104.9)         | 0.001269 (0.0004357, 0.0028325) | 27.0 (8.7, 60.4)           | 0.000805 (0.0002579, 0.0017979) |
| Bangka Belitung | Falls                                         | 45  | 139.5 (65.4, 260.2)        | 0.003769 (0.0017658, 0.0070272) | 90.1 (42.2, 168.0)         | 0.002682 (0.0012568, 0.0049994) |
| Bangka Belitung | Interpersonal violence                        | 45  | 60.8 (29.2, 114.0)         | 0.001643 (0.0007884, 0.0030794) | 38.3 (16.8, 77.3)          | 0.001141 (0.0004999, 0.0023007) |
| Bangka Belitung | Self-harm                                     | 45  | 51.1 (22.7, 98.6)          | 0.001379 (0.0006123, 0.0026616) | 24.8 (10.3, 50.8)          | 0.000739 (0.0003078, 0.0015126) |
| Bangka Belitung | Transport injuries                            | 45  | 614.7 (372.2, 928.6)       | 0.016602 (0.0100520, 0.0250787) | 258.3 (144.1, 405.5)       | 0.007688 (0.0042888, 0.0120705) |
| Bangka Belitung | Other unintentional injuries                  | 45  | 321.2 (180.1, 520.2)       | 0.008676 (0.0048651, 0.0140481) | 146.8 (79.2, 238.0)        | 0.004368 (0.0023587, 0.0070830) |
| Bangka Belitung | Diarrheal diseases                            | 50  | 114.5 (49.5, 208.0)        | 0.003781 (0.0016355, 0.0068705) | 156.5 (75.9, 275.1)        | 0.005548 (0.0026925, 0.0097552) |
| Bangka Belitung | HIV/AIDS                                      | 50  | 10.7 (2.0, 31.3)           | 0.000355 (0.0000663, 0.0010335) | 9.8 (1.8, 29.1)            | 0.000347 (0.0000635, 0.0010307) |
| Bangka Belitung | Lower respiratory infections                  | 50  | 111.5 (46.1, 226.7)        | 0.003685 (0.0015236, 0.0074899) | 100.3 (43.8, 202.5)        | 0.003557 (0.0015545, 0.0071793) |
| Bangka Belitung | Malaria                                       | 50  | 95.6 (26.1, 218.5)         | 0.003159 (0.0008622, 0.0072185) | 69.1 (17.7, 170.3)         | 0.002452 (0.0006288, 0.0060385) |
| Bangka Belitung | Tuberculosis                                  | 50  | 616.8 (395.8, 929.7)       | 0.020379 (0.0130776, 0.0307154) | 383.9 (234.4, 585.6)       | 0.013612 (0.0083100, 0.0207633) |
| Bangka Belitung | Maternal disorders                            | 50  |                            |                                 | 12.6 (3.8, 33.0)           | 0.000446 (0.0001341, 0.0011712) |
| Bangka Belitung | Other communicable diseases                   | 50  | 210.3 (96.3, 358.1)        | 0.006948 (0.0031801, 0.0118312) | 217.0 (115.0, 361.0)       | 0.007695 (0.0040779, 0.0127993) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 50  | 153.6 (51.1, 326.6)        | 0.005076 (0.0016894, 0.0107915) | 56.6 (17.6, 128.0)         | 0.002006 (0.0006248, 0.0045389) |
| Bangka Belitung | Breast cancer                                 | 50  | 6.9 (1.9, 15.9)            | 0.000228 (0.0000643, 0.0005251) | 331.7 (149.1, 552.8)       | 0.011762 (0.0052857, 0.0195986) |
| Bangka Belitung | Cervical cancer                               | 50  |                            |                                 | 229.8 (80.5, 475.5)        | 0.008149 (0.0028531, 0.0168603) |
| Bangka Belitung | Other malignant neoplasms                     | 50  | 515.2 (299.8, 798.3)       | 0.017023 (0.0099061, 0.0263751) | 339.1 (171.3, 574.7)       | 0.012022 (0.0060752, 0.0203752) |
| Bangka Belitung | Cerebrovascular disease                       | 50  | 2,292.9 (1,700.8, 3,109.0) | 0.075755 (0.0561923, 0.1027167) | 2,208.0 (1,648.8, 2,855.5) | 0.078285 (0.0584586, 0.1012424) |
| Bangka Belitung | Ischemic heart disease                        | 50  | 2,122.3 (1,570.0, 2,791.2) | 0.070117 (0.0518703, 0.0922198) | 1,326.7 (937.4, 1,787.3)   | 0.047037 (0.0332349, 0.0633671) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 50  | 505.5 (286.2, 817.2)       | 0.016701 (0.0094553, 0.0270004) | 533.5 (309.8, 841.3)       | 0.018916 (0.0109834, 0.0298285) |
| Bangka Belitung | Diabetes mellitus                             | 50  | 1,161.2 (841.6, 1,611.1)   | 0.038364 (0.0278046, 0.0532283) | 1,512.0 (1,090.0, 2,041.0) | 0.053609 (0.0386453, 0.0723651) |
| Bangka Belitung | Chronic kidney disease                        | 50  | 431.2 (293.5, 629.4)       | 0.014248 (0.0096956, 0.0207960) | 367.6 (246.2, 523.8)       | 0.013032 (0.0087289, 0.0185701) |
| Bangka Belitung | Cirrhosis                                     | 50  | 623.6 (391.5, 921.2)       | 0.020605 (0.0129336, 0.0304349) | 363.4 (214.6, 546.1)       | 0.012886 (0.0076073, 0.0193629) |
| Bangka Belitung | Chronic respiratory diseases                  | 50  | 522.7 (291.4, 794.5)       | 0.017269 (0.0096283, 0.0262496) | 323.9 (184.7, 499.0)       | 0.011485 (0.0065492, 0.0176936) |
| Bangka Belitung | Other non-communicable diseases               | 50  | 684.2 (465.5, 959.4)       | 0.022604 (0.0153789, 0.0316986) | 646.1 (454.3, 889.3)       | 0.022906 (0.0161088, 0.0315292) |
| Bangka Belitung | Drowning                                      | 50  | 32.5 (10.2, 75.4)          | 0.001073 (0.0003386, 0.0024917) | 17.7 (5.3, 40.2)           | 0.000627 (0.0001880, 0.0014264) |
| Bangka Belitung | Falls                                         | 50  | 151.0 (71.1, 272.2)        | 0.004989 (0.0023506, 0.0089926) | 92.2 (44.9, 163.7)         | 0.003270 (0.0015935, 0.0058045) |
| Bangka Belitung | Interpersonal violence                        | 50  | 45.9 (21.1, 87.5)          | 0.001516 (0.0006986, 0.0028923) | 27.7 (11.4, 56.1)          | 0.000984 (0.0004045, 0.0019892) |
| Bangka Belitung | Self-harm                                     | 50  | 42.7 (18.1, 84.1)          | 0.001409 (0.0005993, 0.0027799) | 20.0 (8.3, 40.9)           | 0.000708 (0.0002937, 0.0014484) |
| Bangka Belitung | Transport injuries                            | 50  | 463.2 (266.1, 718.9)       | 0.015305 (0.0087932, 0.0237521) | 183.3 (102.0, 297.9)       | 0.006499 (0.0036149, 0.0105621) |
| Bangka Belitung | Other unintentional injuries                  | 50  | 252.9 (140.2, 411.8)       | 0.008354 (0.0046311, 0.0136070) | 109.8 (60.5, 179.0)        | 0.003891 (0.0021453, 0.0063469) |
| Bangka Belitung | Diarrheal diseases                            | 55  | 116.2 (51.9, 216.9)        | 0.004948 (0.0022131, 0.0092379) | 148.7 (73.2, 260.4)        | 0.007475 (0.0036795, 0.0130930) |
| Bangka Belitung | HIV/AIDS                                      | 55  | 4.1 (0.8, 12.2)            | 0.000175 (0.0000325, 0.0005193) | 3.5 (0.6, 10.3)            | 0.000174 (0.0000321, 0.0005194) |
| Bangka Belitung | Lower respiratory infections                  | 55  | 105.6 (45.3, 215.0)        | 0.004497 (0.0019285, 0.0091596) | 91.4 (41.3, 186.8)         | 0.004595 (0.0020773, 0.0093912) |
| Bangka Belitung | Malaria                                       | 55  | 90.8 (26.1, 205.0)         | 0.003870 (0.0011120, 0.0087317) | 57.7 (15.2, 146.4)         | 0.002899 (0.0007635, 0.0073613) |
| Bangka Belitung | Tuberculosis                                  | 55  | 515.8 (321.9, 789.5)       | 0.021971 (0.0137135, 0.0336344) | 287.5 (162.9, 457.0)       | 0.014454 (0.0081908, 0.0229758) |
| Bangka Belitung | Other communicable diseases                   | 55  | 185.2 (84.7, 323.9)        | 0.007888 (0.0036066, 0.0137974) | 183.3 (95.3, 303.8)        | 0.009218 (0.0047910, 0.0152760) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 55  | 143.1 (47.7, 296.4)        | 0.006098 (0.0020307, 0.0126256) | 41.8 (13.3, 94.1)          | 0.002103 (0.0006697, 0.0047334) |
| Bangka Belitung | Breast cancer                                 | 55  | 5.5 (1.5, 12.8)            | 0.000233 (0.0000658, 0.0005432) | 213.8 (93.5, 362.1)        | 0.010750 (0.0047034, 0.0182070) |
| Bangka Belitung | Cervical cancer                               | 55  |                            |                                 | 137.8 (46.6, 283.3)        | 0.006927 (0.0023435, 0.0142444) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bangka Belitung | Other malignant neoplasms                     | 55  | 393.9 (230.4, 604.9)       | 0.016782 (0.0098152, 0.0257668) | 257.0 (134.7, 446.6)       | 0.012922 (0.0067719, 0.0224567) |
| Bangka Belitung | Cerebrovascular disease                       | 55  | 2,541.6 (1,921.5, 3,348.9) | 0.108274 (0.0818578, 0.1426624) | 2,265.9 (1,720.2, 2,907.5) | 0.113931 (0.0864918, 0.1461895) |
| Bangka Belitung | Ischemic heart disease                        | 55  | 2,269.9 (1,690.9, 2,929.6) | 0.096700 (0.0720312, 0.1247994) | 1,318.6 (951.6, 1,749.7)   | 0.066299 (0.0478470, 0.0879771) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 55  | 553.4 (315.1, 893.2)       | 0.023575 (0.0134213, 0.0380494) | 526.1 (306.5, 826.1)       | 0.026455 (0.0154127, 0.0415342) |
| Bangka Belitung | Diabetes mellitus                             | 55  | 1,196.5 (864.1, 1,633.5)   | 0.050972 (0.0368127, 0.0695856) | 1,412.3 (1,024.6, 1,897.1) | 0.071009 (0.0515154, 0.0953877) |
| Bangka Belitung | Chronic kidney disease                        | 55  | 407.3 (276.9, 590.6)       | 0.017349 (0.0117966, 0.0251607) | 310.3 (209.2, 444.1)       | 0.015604 (0.0105193, 0.0223277) |
| Bangka Belitung | Cirrhosis                                     | 55  | 537.6 (339.0, 800.5)       | 0.022901 (0.0144415, 0.0341012) | 294.2 (178.8, 442.1)       | 0.014792 (0.0089886, 0.0222309) |
| Bangka Belitung | Chronic respiratory diseases                  | 55  | 545.2 (308.8, 826.0)       | 0.023227 (0.0131531, 0.0351873) | 303.5 (175.8, 451.9)       | 0.015260 (0.0088372, 0.0227200) |
| Bangka Belitung | Other non-communicable diseases               | 55  | 681.3 (471.1, 967.9)       | 0.029022 (0.0200691, 0.0412346) | 590.4 (415.8, 811.9)       | 0.029686 (0.0209042, 0.0408209) |
| Bangka Belitung | Drowning                                      | 55  | 21.0 (6.7, 48.6)           | 0.000893 (0.0002841, 0.0020725) | 11.5 (3.5, 27.5)           | 0.000578 (0.0001760, 0.0013829) |
| Bangka Belitung | Falls                                         | 55  | 146.8 (72.9, 262.2)        | 0.006254 (0.0031075, 0.0111685) | 86.9 (42.9, 151.2)         | 0.004367 (0.0021575, 0.0076030) |
| Bangka Belitung | Interpersonal violence                        | 55  | 33.8 (15.4, 65.1)          | 0.001439 (0.0006562, 0.0027714) | 17.5 (7.2, 35.4)           | 0.000881 (0.0003622, 0.0017816) |
| Bangka Belitung | Self-harm                                     | 55  | 36.2 (15.7, 71.5)          | 0.001542 (0.0006691, 0.0030461) | 14.3 (5.9, 29.5)           | 0.000717 (0.0002975, 0.0014823) |
| Bangka Belitung | Transport injuries                            | 55  | 284.6 (160.9, 459.8)       | 0.012124 (0.0068523, 0.0195895) | 104.9 (56.9, 175.8)        | 0.005274 (0.0028591, 0.0088377) |
| Bangka Belitung | Other unintentional injuries                  | 55  | 191.3 (103.6, 310.7)       | 0.008151 (0.0044144, 0.0132338) | 75.2 (39.2, 127.1)         | 0.003781 (0.0019716, 0.0063897) |
| Bangka Belitung | Diarrheal diseases                            | 60  | 114.5 (49.0, 207.8)        | 0.007672 (0.0032823, 0.0139258) | 141.3 (70.9, 238.7)        | 0.010531 (0.0052845, 0.0177881) |
| Bangka Belitung | HIV/AIDS                                      | 60  | 2.5 (0.4, 7.5)             | 0.000166 (0.0000295, 0.0005004) | 2.0 (0.3, 6.3)             | 0.000152 (0.0000256, 0.0004702) |
| Bangka Belitung | Lower respiratory infections                  | 60  | 125.0 (55.4, 246.8)        | 0.008378 (0.0037118, 0.0165432) | 111.0 (50.9, 216.3)        | 0.008272 (0.0037934, 0.0161224) |
| Bangka Belitung | Malaria                                       | 60  | 81.9 (32.7, 188.3)         | 0.005488 (0.0015211, 0.0126215) | 48.4 (12.5, 126.9)         | 0.003607 (0.0009307, 0.0094563) |
| Bangka Belitung | Tuberculosis                                  | 60  | 517.0 (322.5, 777.0)       | 0.034650 (0.0222842, 0.0520767) | 287.1 (171.6, 446.3)       | 0.021396 (0.0127854, 0.0332625) |
| Bangka Belitung | Other communicable diseases                   | 60  | 132.0 (58.7, 233.0)        | 0.008850 (0.0039344, 0.0156174) | 127.6 (63.3, 218.1)        | 0.009509 (0.0047185, 0.0162550) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 60  | 122.9 (39.5, 259.8)        | 0.008239 (0.0026496, 0.0174119) | 31.9 (9.4, 72.1)           | 0.002374 (0.0007001, 0.0053723) |
| Bangka Belitung | Breast cancer                                 | 60  | 4.0 (1.2, 9.6)             | 0.000271 (0.0000785, 0.0006447) | 120.0 (50.2, 208.7)        | 0.008946 (0.0037429, 0.0155536) |
| Bangka Belitung | Cervical cancer                               | 60  |                            |                                 | 93.5 (31.4, 193.1)         | 0.006967 (0.0023373, 0.0143905) |
| Bangka Belitung | Other malignant neoplasms                     | 60  | 318.4 (189.0, 488.1)       | 0.021342 (0.0126671, 0.0327119) | 200.9 (105.3, 346.5)       | 0.014973 (0.0078505, 0.0258269) |
| Bangka Belitung | Cerebrovascular disease                       | 60  | 2,425.4 (1,833.0, 3,156.9) | 0.162559 (0.1228573, 0.2115895) | 2,108.4 (1,653.9, 2,668.8) | 0.157129 (0.1232580, 0.1988943) |
| Bangka Belitung | Ischemic heart disease                        | 60  | 1,932.0 (1,429.7, 2,485.2) | 0.129492 (0.0958226, 0.1665661) | 1,153.3 (838.3, 1,509.2)   | 0.085955 (0.0624755, 0.1124742) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 60  | 535.7 (311.7, 856.6)       | 0.035902 (0.0208905, 0.0574124) | 473.4 (277.3, 733.3)       | 0.035282 (0.0206637, 0.0546492) |
| Bangka Belitung | Diabetes mellitus                             | 60  | 932.3 (675.1, 1,269.2)     | 0.062489 (0.0452481, 0.0850673) | 1,069.8 (789.1, 1,426.3)   | 0.079731 (0.0588085, 0.1062949) |
| Bangka Belitung | Chronic kidney disease                        | 60  | 325.3 (222.2, 467.0)       | 0.021800 (0.0148953, 0.0312978) | 236.7 (159.2, 335.1)       | 0.017640 (0.0118612, 0.0249748) |
| Bangka Belitung | Cirrhosis                                     | 60  | 404.2 (257.5, 597.4)       | 0.027091 (0.0172556, 0.0400403) | 217.4 (133.0, 327.3)       | 0.016202 (0.0099139, 0.0243935) |
| Bangka Belitung | Chronic respiratory diseases                  | 60  | 674.0 (411.1, 988.9)       | 0.045174 (0.0275565, 0.0662818) | 345.1 (208.4, 505.8)       | 0.025721 (0.0155335, 0.0376961) |
| Bangka Belitung | Other non-communicable diseases               | 60  | 670.2 (466.7, 937.8)       | 0.044922 (0.0312833, 0.0628545) | 555.1 (396.3, 753.0)       | 0.041369 (0.0295336, 0.0561162) |
| Bangka Belitung | Drowning                                      | 60  | 13.8 (4.0, 34.9)           | 0.000927 (0.0002709, 0.0023412) | 7.9 (2.1, 19.5)            | 0.000589 (0.0001582, 0.0014548) |
| Bangka Belitung | Falls                                         | 60  | 107.2 (54.2, 189.9)        | 0.007187 (0.0036299, 0.0127309) | 64.2 (32.9, 109.6)         | 0.004782 (0.0024493, 0.0081656) |
| Bangka Belitung | Interpersonal violence                        | 60  | 19.9 (8.6, 37.6)           | 0.001333 (0.0005743, 0.0025203) | 9.8 (3.8, 20.8)            | 0.000727 (0.0002818, 0.0015512) |
| Bangka Belitung | Self-harm                                     | 60  | 24.1 (10.4, 48.3)          | 0.001615 (0.0006994, 0.0032376) | 8.8 (3.5, 18.1)            | 0.000658 (0.0002612, 0.0013458) |
| Bangka Belitung | Transport injuries                            | 60  | 205.3 (116.4, 325.5)       | 0.013759 (0.0078026, 0.0218138) | 74.9 (40.9, 123.2)         | 0.005585 (0.0030507, 0.0091826) |
| Bangka Belitung | Other unintentional injuries                  | 60  | 133.1 (73.7, 219.3)        | 0.008921 (0.0049402, 0.0146954) | 50.8 (26.8, 85.8)          | 0.003790 (0.0019968, 0.0063943) |
| Bangka Belitung | Diarrheal diseases                            | 65  | 143.1 (67.0, 245.4)        | 0.015287 (0.0071560, 0.0262046) | 191.4 (106.4, 304.6)       | 0.020164 (0.0112097, 0.0320891) |
| Bangka Belitung | HIV/AIDS                                      | 65  | 1.7 (0.3, 5.4)             | 0.000185 (0.0000316, 0.0005732) | 1.6 (0.3, 4.9)             | 0.000168 (0.0000293, 0.0005124) |
| Bangka Belitung | Lower respiratory infections                  | 65  | 107.7 (47.0, 210.1)        | 0.011505 (0.0050237, 0.0224330) | 108.2 (49.2, 205.7)        | 0.011397 (0.0051797, 0.0216701) |
| Bangka Belitung | Malaria                                       | 65  | 63.1 (16.8, 148.9)         | 0.006734 (0.0017928, 0.0159013) | 40.0 (9.8, 106.1)          | 0.004217 (0.0010308, 0.0111797) |
| Bangka Belitung | Tuberculosis                                  | 65  | 390.2 (242.2, 587.6)       | 0.041672 (0.0258675, 0.0627581) | 243.4 (142.0, 378.1)       | 0.025633 (0.0149551, 0.0398261) |
| Bangka Belitung | Other communicable diseases                   | 65  | 97.9 (43.9, 170.0)         | 0.010450 (0.0046931, 0.0181528) | 103.2 (52.2, 180.9)        | 0.010873 (0.0055014, 0.0190566) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 65  | 75.5 (23.7, 161.2)         | 0.008058 (0.0025303, 0.0172120) | 21.5 (6.3, 49.2)           | 0.002264 (0.0006642, 0.0051790) |
| Bangka Belitung | Breast cancer                                 | 65  | 2.4 (0.6, 5.9)             | 0.000252 (0.0000667, 0.0006352) | 69.8 (28.0, 125.6)         | 0.007352 (0.0029520, 0.0132268) |
| Bangka Belitung | Cervical cancer                               | 65  |                            |                                 | 56.6 (17.9, 116.0)         | 0.005957 (0.0018829, 0.0122154) |
| Bangka Belitung | Other malignant neoplasms                     | 65  | 186.5 (109.2, 288.7)       | 0.019915 (0.0116615, 0.0308268) | 157.6 (84.0, 263.1)        | 0.016606 (0.0088461, 0.0277094) |
| Bangka Belitung | Cerebrovascular disease                       | 65  | 1,916.5 (1,437.6, 2,437.1) | 0.204677 (0.1535293, 0.2602744) | 1,945.4 (1,546.9, 2,434.6) | 0.204916 (0.1629455, 0.2564519) |
| Bangka Belitung | Ischemic heart disease                        | 65  | 1,415.6 (1,029.3, 1,843.0) | 0.151185 (0.1099243, 0.1968268) | 989.6 (726.2, 1,293.6)     | 0.104236 (0.0764891, 0.1362554) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 65  | 445.7 (259.5, 703.4)       | 0.047597 (0.0277083, 0.0751244) | 458.3 (277.9, 701.0)       | 0.048273 (0.0292691, 0.0738371) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bangka Belitung | Diabetes mellitus                             | 65  | 564.3 (402.2, 777.4)       | 0.060270 (0.0429491, 0.0830228) | 769.1 (560.2, 1,018.0)     | 0.081011 (0.0590133, 0.1072258) |
| Bangka Belitung | Chronic kidney disease                        | 65  | 227.3 (155.8, 328.6)       | 0.024275 (0.0166342, 0.0350897) | 193.9 (131.4, 274.8)       | 0.020426 (0.0138403, 0.0289459) |
| Bangka Belitung | Cirrhosis                                     | 65  | 240.5 (149.3, 352.2)       | 0.025689 (0.0159416, 0.0376146) | 152.4 (94.2, 231.6)        | 0.016051 (0.0099183, 0.0243959) |
| Bangka Belitung | Chronic respiratory diseases                  | 65  | 563.3 (347.5, 808.5)       | 0.060163 (0.0371108, 0.0863406) | 335.7 (205.2, 480.8)       | 0.035359 (0.0216129, 0.0506446) |
| Bangka Belitung | Other non-communicable diseases               | 65  | 569.4 (399.7, 786.1)       | 0.060814 (0.0426877, 0.0839510) | 550.3 (402.1, 744.4)       | 0.057971 (0.0423499, 0.0784060) |
| Bangka Belitung | Drowning                                      | 65  | 8.5 (2.3, 21.9)            | 0.000908 (0.0002506, 0.0023355) | 5.6 (1.5, 13.5)            | 0.000591 (0.0001532, 0.0014241) |
| Bangka Belitung | Falls                                         | 65  | 83.4 (41.4, 145.3)         | 0.008902 (0.0044183, 0.0155187) | 57.3 (29.1, 98.2)          | 0.006035 (0.0030606, 0.0103394) |
| Bangka Belitung | Interpersonal violence                        | 65  | 11.1 (4.6, 22.6)           | 0.001182 (0.0004893, 0.0024100) | 6.1 (2.3, 14.1)            | 0.000645 (0.0002452, 0.0014898) |
| Bangka Belitung | Self-harm                                     | 65  | 15.3 (6.2, 31.4)           | 0.001630 (0.0006630, 0.0033531) | 6.3 (2.5, 12.9)            | 0.000663 (0.0002615, 0.0013610) |
| Bangka Belitung | Transport injuries                            | 65  | 125.4 (70.3, 201.4)        | 0.013394 (0.0075055, 0.0215121) | 52.4 (27.5, 86.9)          | 0.005515 (0.0028954, 0.0091531) |
| Bangka Belitung | Other unintentional injuries                  | 65  | 88.4 (47.7, 143.6)         | 0.009437 (0.0050917, 0.0153339) | 38.4 (19.9, 66.3)          | 0.004047 (0.0020912, 0.0069792) |
| Bangka Belitung | Diarrheal diseases                            | 70  | 187.0 (94.2, 307.3)        | 0.028285 (0.0142481, 0.0464723) | 254.4 (149.0, 395.2)       | 0.034596 (0.0202637, 0.0537452) |
| Bangka Belitung | HIV/AIDS                                      | 70  | 2.0 (0.3, 5.9)             | 0.000305 (0.0000519, 0.0008976) | 2.0 (0.3, 6.5)             | 0.000271 (0.0000468, 0.0008778) |
| Bangka Belitung | Lower respiratory infections                  | 70  | 122.0 (56.3, 236.4)        | 0.018446 (0.0085073, 0.0357520) | 134.6 (65.1, 251.2)        | 0.018300 (0.0088591, 0.0341593) |
| Bangka Belitung | Malaria                                       | 70  | 54.1 (13.9, 133.0)         | 0.008182 (0.0021091, 0.0201191) | 34.7 (8.2, 90.4)           | 0.004712 (0.0011167, 0.0122959) |
| Bangka Belitung | Tuberculosis                                  | 70  | 350.4 (213.7, 538.5)       | 0.052992 (0.0323125, 0.0814385) | 240.9 (142.1, 384.7)       | 0.032761 (0.0193256, 0.0523135) |
| Bangka Belitung | Other communicable diseases                   | 70  | 95.5 (43.6, 168.4)         | 0.014438 (0.0065883, 0.0254608) | 102.9 (50.3, 182.9)        | 0.013993 (0.0068399, 0.0248674) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 70  | 59.3 (18.6, 128.5)         | 0.008966 (0.0028079, 0.0194381) | 17.7 (5.1, 42.1)           | 0.002410 (0.0006933, 0.0057249) |
| Bangka Belitung | Breast cancer                                 | 70  | 1.5 (0.3, 4.0)             | 0.000224 (0.0000492, 0.0006095) | 41.1 (15.7, 75.1)          | 0.005582 (0.0021355, 0.0102064) |
| Bangka Belitung | Cervical cancer                               | 70  |                            |                                 | 32.8 (9.4, 72.6)           | 0.004464 (0.0012757, 0.0098783) |
| Bangka Belitung | Other malignant neoplasms                     | 70  | 126.5 (72.7, 198.8)        | 0.019123 (0.0109883, 0.0300569) | 122.0 (65.0, 202.2)        | 0.016583 (0.0088445, 0.0274906) |
| Bangka Belitung | Cerebrovascular disease                       | 70  | 1,747.0 (1,320.3, 2,218.4) | 0.264185 (0.1996634, 0.3354763) | 1,989.5 (1,586.6, 2,489.8) | 0.270541 (0.2157570, 0.3385712) |
| Bangka Belitung | Ischemic heart disease                        | 70  | 1,211.2 (878.2, 1,568.1)   | 0.183156 (0.1328100, 0.2371275) | 993.7 (737.9, 1,291.0)     | 0.135123 (0.1003386, 0.1755574) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 70  | 434.6 (257.0, 685.1)       | 0.065726 (0.0388609, 0.1036073) | 487.6 (298.2, 756.5)       | 0.066312 (0.0405517, 0.1028664) |
| Bangka Belitung | Diabetes mellitus                             | 70  | 374.6 (263.8, 523.5)       | 0.056647 (0.0398965, 0.0791636) | 578.3 (421.0, 770.0)       | 0.078638 (0.0572559, 0.1047093) |
| Bangka Belitung | Chronic kidney disease                        | 70  | 175.7 (117.3, 259.2)       | 0.026567 (0.0177422, 0.0391983) | 167.5 (111.3, 239.2)       | 0.022777 (0.0151317, 0.0325286) |
| Bangka Belitung | Cirrhosis                                     | 70  | 180.1 (111.8, 268.5)       | 0.027236 (0.0169033, 0.0406069) | 127.9 (78.9, 192.0)        | 0.017394 (0.0107281, 0.0261024) |
| Bangka Belitung | Chronic respiratory diseases                  | 70  | 615.1 (386.8, 867.3)       | 0.093018 (0.0584865, 0.1311491) | 397.8 (249.5, 568.6)       | 0.054099 (0.0339289, 0.0773167) |
| Bangka Belitung | Other non-communicable diseases               | 70  | 560.9 (395.0, 760.0)       | 0.084818 (0.0597262, 0.1149224) | 600.2 (442.6, 799.7)       | 0.081613 (0.0601883, 0.1087416) |
| Bangka Belitung | Drowning                                      | 70  | 12.1 (3.9, 26.8)           | 0.001823 (0.0005961, 0.0040489) | 8.7 (2.9, 19.6)            | 0.001183 (0.0003940, 0.0026633) |
| Bangka Belitung | Falls                                         | 70  | 78.9 (38.9, 137.9)         | 0.011929 (0.0058899, 0.0208581) | 59.3 (31.6, 99.7)          | 0.008071 (0.0042938, 0.0135579) |
| Bangka Belitung | Interpersonal violence                        | 70  | 6.8 (2.5, 15.0)            | 0.001029 (0.0003832, 0.0022608) | 4.1 (1.4, 10.0)            | 0.000554 (0.0001858, 0.0013604) |
| Bangka Belitung | Self-harm                                     | 70  | 11.0 (4.4, 23.2)           | 0.001670 (0.0006700, 0.0035061) | 4.9 (1.9, 10.3)            | 0.000669 (0.0002550, 0.0013952) |
| Bangka Belitung | Transport injuries                            | 70  | 102.0 (55.0, 170.2)        | 0.015427 (0.0083221, 0.0257342) | 46.4 (24.2, 78.6)          | 0.006311 (0.0032952, 0.0106942) |
| Bangka Belitung | Other unintentional injuries                  | 70  | 73.5 (40.5, 121.0)         | 0.011120 (0.0061274, 0.0182950) | 34.8 (17.8, 59.3)          | 0.004733 (0.0024144, 0.0080602) |
| Bangka Belitung | Diarrheal diseases                            | 75  | 129.4 (69.4, 208.3)        | 0.037978 (0.0203561, 0.0611132) | 225.1 (137.6, 332.6)       | 0.048868 (0.0298611, 0.0722025) |
| Bangka Belitung | HIV/AIDS                                      | 75  | 0.9 (0.1, 2.8)             | 0.000260 (0.0000397, 0.0008350) | 1.1 (0.2, 3.6)             | 0.000244 (0.0000391, 0.0007714) |
| Bangka Belitung | Lower respiratory infections                  | 75  | 73.3 (33.1, 137.7)         | 0.021513 (0.0097170, 0.0404132) | 103.3 (50.6, 184.1)        | 0.022429 (0.0109743, 0.0399692) |
| Bangka Belitung | Malaria                                       | 75  | 30.9 (7.5, 77.9)           | 0.009064 (0.0022060, 0.0228585) | 25.3 (5.5, 71.6)           | 0.005496 (0.0011878, 0.0155426) |
| Bangka Belitung | Tuberculosis                                  | 75  | 163.7 (92.3, 257.3)        | 0.048019 (0.0270682, 0.0754917) | 143.7 (80.3, 231.9)        | 0.031192 (0.0174338, 0.0503398) |
| Bangka Belitung | Other communicable diseases                   | 75  | 53.9 (25.9, 95.9)          | 0.015826 (0.0075846, 0.0281460) | 74.4 (37.7, 131.9)         | 0.016143 (0.0081908, 0.0286288) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer           | 75  | 24.9 (7.4, 55.5)           | 0.007304 (0.0021842, 0.0162948) | 9.7 (2.8, 23.6)            | 0.002104 (0.0006073, 0.0051222) |
| Bangka Belitung | Breast cancer                                 | 75  | 0.5 (0.1, 1.5)             | 0.000154 (0.0000303, 0.0004378) | 19.2 (7.0, 36.5)           | 0.004177 (0.0015278, 0.0079298) |
| Bangka Belitung | Cervical cancer                               | 75  |                            |                                 | 15.8 (4.6, 34.9)           | 0.003430 (0.0009923, 0.0075803) |
| Bangka Belitung | Other malignant neoplasms                     | 75  | 53.3 (30.1, 85.3)          | 0.015633 (0.0088409, 0.0250279) | 76.4 (42.5, 127.4)         | 0.016593 (0.0092315, 0.0276596) |
| Bangka Belitung | Cerebrovascular disease                       | 75  | 989.3 (736.8, 1,277.8)     | 0.290262 (0.2161846, 0.3749143) | 1,516.7 (1,227.2, 1,880.9) | 0.329254 (0.2663923, 0.4083121) |
| Bangka Belitung | Ischemic heart disease                        | 75  | 728.2 (515.1, 962.2)       | 0.213666 (0.1511277, 0.2823175) | 804.3 (605.1, 1,032.1)     | 0.174603 (0.1313459, 0.2240507) |
| Bangka Belitung | Other cardiovascular and circulatory diseases | 75  | 249.3 (144.9, 398.0)       | 0.073147 (0.0425283, 0.1167672) | 376.8 (231.0, 579.7)       | 0.081801 (0.0501417, 0.1258495) |
| Bangka Belitung | Diabetes mellitus                             | 75  | 175.2 (120.9, 249.2)       | 0.051418 (0.0354689, 0.0731281) | 366.4 (268.4, 496.2)       | 0.079534 (0.0582627, 0.1077167) |
| Bangka Belitung | Chronic kidney disease                        | 75  | 86.7 (56.9, 128.2)         | 0.025446 (0.0167087, 0.0376178) | 111.3 (73.7, 158.1)        | 0.024160 (0.0159960, 0.0343186) |
| Bangka Belitung | Cirrhosis                                     | 75  | 90.1 (54.8, 136.7)         | 0.026448 (0.0160694, 0.0401133) | 86.1 (52.5, 127.3)         | 0.018681 (0.0113936, 0.0276300) |
| Bangka Belitung | Chronic respiratory diseases                  | 75  | 336.6 (210.6, 478.6)       | 0.098770 (0.0617865, 0.1404267) | 288.0 (179.1, 407.6)       | 0.062519 (0.0388841, 0.0884771) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|-----------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                 |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Bangka Belitung | Other non-communicable diseases                          | 75  | 361.7 (250.3, 494.8)          | 0.106126 (0.0734407, 0.1451800) | 520.4 (387.3, 683.4)          | 0.112976 (0.0840646, 0.1483539) |
| Bangka Belitung | Drowning                                                 | 75  | 10.3 (3.3, 24.1)              | 0.003016 (0.0009751, 0.0070760) | 9.4 (3.3, 22.3)               | 0.002041 (0.0007178, 0.0048395) |
| Bangka Belitung | Falls                                                    | 75  | 55.6 (27.8, 94.0)             | 0.016315 (0.0081541, 0.0275854) | 53.2 (29.0, 85.8)             | 0.011548 (0.0063050, 0.0186261) |
| Bangka Belitung | Interpersonal violence                                   | 75  | 2.8 (0.8, 7.6)                | 0.000835 (0.0002248, 0.0022190) | 2.2 (0.6, 6.2)                | 0.000471 (0.0001300, 0.0013438) |
| Bangka Belitung | Self-harm                                                | 75  | 5.5 (2.2, 11.8)               | 0.001614 (0.0006442, 0.0034623) | 3.1 (1.1, 6.9)                | 0.000678 (0.0002451, 0.0014901) |
| Bangka Belitung | Transport injuries                                       | 75  | 43.8 (21.8, 75.4)             | 0.012842 (0.0063899, 0.0221250) | 25.3 (12.1, 44.3)             | 0.005488 (0.0026223, 0.0096064) |
| Bangka Belitung | Other unintentional injuries                             | 75  | 39.5 (20.8, 69.2)             | 0.011602 (0.0061053, 0.0203129) | 23.9 (12.1, 43.0)             | 0.005178 (0.0026289, 0.0093434) |
| Bangka Belitung | Diarrheal diseases                                       | 80  | 232.8 (141.4, 340.4)          | 0.092359 (0.0560864, 0.1350301) | 478.0 (321.2, 663.2)          | 0.124475 (0.0836576, 0.1727073) |
| Bangka Belitung | HIV/AIDS                                                 | 80  | 1.0 (0.1, 3.6)                | 0.000382 (0.0000486, 0.0014140) | 1.4 (0.2, 5.9)                | 0.000371 (0.0000472, 0.0015332) |
| Bangka Belitung | Lower respiratory infections                             | 80  | 89.1 (43.1, 161.8)            | 0.035353 (0.0170774, 0.0641994) | 162.0 (81.9, 282.9)           | 0.042182 (0.0213406, 0.0736668) |
| Bangka Belitung | Malaria                                                  | 80  | 35.9 (7.8, 94.5)              | 0.014248 (0.0030965, 0.0374828) | 30.6 (6.0, 92.9)              | 0.007957 (0.0015659, 0.0241882) |
| Bangka Belitung | Tuberculosis                                             | 80  | 154.2 (88.8, 245.6)           | 0.061186 (0.0352098, 0.0974329) | 153.5 (83.5, 256.5)           | 0.039962 (0.0217338, 0.0668008) |
| Bangka Belitung | Other communicable diseases                              | 80  | 66.2 (32.6, 115.9)            | 0.026257 (0.0129336, 0.0459575) | 113.0 (55.2, 197.5)           | 0.029435 (0.0143684, 0.0514306) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer                      | 80  | 19.7 (5.9, 46.3)              | 0.007806 (0.0023251, 0.0183615) | 9.7 (2.7, 24.2)               | 0.002533 (0.0006913, 0.0063016) |
| Bangka Belitung | Breast cancer                                            | 80  | 0.4 (0.1, 1.2)                | 0.000158 (0.0000293, 0.0004842) | 13.4 (4.6, 27.7)              | 0.003487 (0.0011996, 0.0072214) |
| Bangka Belitung | Cervical cancer                                          | 80  |                               |                                 | 12.3 (3.1, 30.9)              | 0.003216 (0.0008052, 0.0080504) |
| Bangka Belitung | Other malignant neoplasms                                | 80  | 45.1 (26.5, 72.6)             | 0.017890 (0.0105185, 0.0288131) | 69.5 (38.7, 116.9)            | 0.018087 (0.0100744, 0.0304324) |
| Bangka Belitung | Cerebrovascular disease                                  | 80  | 1,020.7 (809.9, 1,253.5)      | 0.404864 (0.3212669, 0.4972144) | 1,977.6 (1,644.0, 2,364.5)    | 0.514987 (0.4281204, 0.6157542) |
| Bangka Belitung | Ischemic heart disease                                   | 80  | 677.8 (505.3, 861.7)          | 0.268870 (0.2004171, 0.3418040) | 973.5 (736.0, 1,238.5)        | 0.253526 (0.1916740, 0.3225143) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | 80  | 242.4 (142.8, 379.7)          | 0.096159 (0.0566358, 0.1506110) | 426.6 (256.8, 664.2)          | 0.111084 (0.0668832, 0.1729774) |
| Bangka Belitung | Diabetes mellitus                                        | 80  | 142.7 (102.1, 199.2)          | 0.056588 (0.0405042, 0.0790212) | 360.5 (259.6, 490.1)          | 0.093870 (0.0675929, 0.1276215) |
| Bangka Belitung | Chronic kidney disease                                   | 80  | 72.6 (49.6, 106.1)            | 0.028818 (0.0196868, 0.0420949) | 108.6 (71.5, 157.5)           | 0.028268 (0.0186327, 0.0410226) |
| Bangka Belitung | Cirrhosis                                                | 80  | 78.3 (48.5, 115.7)            | 0.031049 (0.0192312, 0.0458994) | 96.5 (57.8, 145.6)            | 0.025134 (0.0150601, 0.0379273) |
| Bangka Belitung | Chronic respiratory diseases                             | 80  | 349.5 (227.5, 475.0)          | 0.138617 (0.0902545, 0.1884075) | 331.8 (202.3, 474.1)          | 0.086419 (0.0526872, 0.1234724) |
| Bangka Belitung | Other non-communicable diseases                          | 80  | 412.5 (301.0, 538.1)          | 0.163615 (0.1193916, 0.2134358) | 723.2 (548.3, 923.6)          | 0.188343 (0.1427946, 0.2405087) |
| Bangka Belitung | Drowning                                                 | 80  | 10.2 (3.0, 25.0)              | 0.004053 (0.0011948, 0.0099180) | 14.1 (3.9, 37.1)              | 0.003668 (0.0010221, 0.0096614) |
| Bangka Belitung | Falls                                                    | 80  | 72.6 (38.2, 118.3)            | 0.028791 (0.0151517, 0.0469097) | 95.4 (52.8, 154.0)            | 0.024857 (0.0137563, 0.0400942) |
| Bangka Belitung | Interpersonal violence                                   | 80  | 2.1 (0.4, 6.5)                | 0.000851 (0.0001422, 0.0025585) | 1.8 (0.3, 6.5)                | 0.000466 (0.0000853, 0.0016908) |
| Bangka Belitung | Self-harm                                                | 80  | 4.9 (1.8, 10.7)               | 0.001952 (0.0007007, 0.0042260) | 2.9 (1.0, 7.0)                | 0.000758 (0.0002486, 0.0018181) |
| Bangka Belitung | Transport injuries                                       | 80  | 37.2 (18.7, 67.0)             | 0.014774 (0.0074219, 0.0265674) | 27.8 (12.7, 52.9)             | 0.007239 (0.0032980, 0.0137875) |
| Bangka Belitung | Other unintentional injuries                             | 80  | 36.4 (17.8, 64.5)             | 0.014450 (0.0070439, 0.0255663) | 26.6 (12.0, 52.0)             | 0.006922 (0.0031194, 0.0135535) |
| Bangka Belitung | Diarrheal diseases                                       | All | 3,894.7 (2,157.8, 6,452.0)    | 0.005699 (0.0031575, 0.0094413) | 4,299.4 (2,543.3, 6,845.9)    | 0.006800 (0.0040228, 0.0108283) |
| Bangka Belitung | HIV/AIDS                                                 | All | 904.5 (207.6, 2,363.4)        | 0.001324 (0.0003038, 0.0034583) | 415.5 (97.4, 1,119.5)         | 0.000657 (0.0001540, 0.0017708) |
| Bangka Belitung | Lower respiratory infections                             | All | 6,676.3 (3,893.7, 10,266.8)   | 0.009770 (0.0056977, 0.0150235) | 4,553.4 (2,583.6, 7,026.9)    | 0.007202 (0.0040865, 0.0111146) |
| Bangka Belitung | Malaria                                                  | All | 1,914.7 (547.5, 4,517.5)      | 0.002802 (0.0008012, 0.0066106) | 971.2 (248.1, 2,442.3)        | 0.001536 (0.0003924, 0.0038630) |
| Bangka Belitung | Tuberculosis                                             | All | 8,136.5 (5,299.4, 12,157.2)   | 0.011906 (0.0077546, 0.0177897) | 3,688.1 (2,241.9, 5,590.7)    | 0.005834 (0.0035461, 0.0088429) |
| Bangka Belitung | Maternal disorders                                       | All |                               |                                 | 3,271.0 (2,301.3, 4,560.9)    | 0.005174 (0.0036400, 0.0072141) |
| Bangka Belitung | Neonatal encephalopathy due to birth asphyxia and trauma | All | 10,075.2 (4,971.9, 16,793.6)  | 0.014743 (0.0072755, 0.0245742) | 6,477.6 (3,152.2, 11,008.7)   | 0.010246 (0.0049860, 0.0174126) |
| Bangka Belitung | Preterm birth complications                              | All | 10,274.8 (4,964.2, 16,789.8)  | 0.015035 (0.0072641, 0.0245687) | 8,715.4 (4,282.1, 15,044.7)   | 0.013785 (0.0067730, 0.0237965) |
| Bangka Belitung | Other neonatal disorders                                 | All | 3,164.4 (768.5, 7,523.3)      | 0.004631 (0.0011246, 0.0110088) | 1,910.8 (451.7, 4,535.1)      | 0.003022 (0.0007144, 0.0071733) |
| Bangka Belitung | Other communicable diseases                              | All | 8,977.6 (5,362.8, 13,223.8)   | 0.013137 (0.0078475, 0.0193506) | 5,981.2 (3,684.1, 9,083.5)    | 0.009461 (0.0058272, 0.0143676) |
| Bangka Belitung | Tracheal, bronchus, and lung cancer                      | All | 1,063.9 (348.7, 2,265.3)      | 0.001557 (0.0005102, 0.0033149) | 439.9 (136.7, 1,019.1)        | 0.000696 (0.0002162, 0.0016119) |
| Bangka Belitung | Breast cancer                                            | All | 44.3 (12.7, 102.1)            | 0.000065 (0.0000185, 0.0001494) | 2,557.2 (1,180.5, 4,273.2)    | 0.004045 (0.0018672, 0.0067590) |
| Bangka Belitung | Cervical cancer                                          | All |                               |                                 | 1,925.3 (696.3, 3,774.1)      | 0.003045 (0.0011014, 0.0059696) |
| Bangka Belitung | Other malignant neoplasms                                | All | 5,580.5 (3,366.7, 8,582.7)    | 0.008166 (0.0049265, 0.0125592) | 4,350.5 (2,514.6, 6,890.5)    | 0.006881 (0.0039774, 0.0108989) |
| Bangka Belitung | Cerebrovascular disease                                  | All | 19,023.6 (14,331.2, 25,124.7) | 0.027837 (0.0209709, 0.0367651) | 19,535.6 (15,144.9, 24,823.4) | 0.030900 (0.0239550, 0.0392637) |
| Bangka Belitung | Ischemic heart disease                                   | All | 17,474.8 (12,982.0, 22,935.3) | 0.025571 (0.0189967, 0.0335614) | 11,782.2 (8,528.1, 15,566.3)  | 0.018636 (0.0134891, 0.0246216) |
| Bangka Belitung | Other cardiovascular and circulatory diseases            | All | 4,909.0 (2,809.8, 7,924.5)    | 0.007183 (0.0041116, 0.0115959) | 5,261.9 (3,126.5, 8,212.7)    | 0.008323 (0.0049452, 0.0129901) |
| Bangka Belitung | Diabetes mellitus                                        | All | 6,968.6 (5,007.2, 9,642.0)    | 0.010197 (0.0073270, 0.0141092) | 9,233.3 (6,622.4, 12,512.1)   | 0.014605 (0.0104749, 0.0197907) |
| Bangka Belitung | Chronic kidney disease                                   | All | 4,435.0 (3,014.3, 6,484.0)    | 0.006490 (0.0044109, 0.0094881) | 3,884.5 (2,640.0, 5,455.8)    | 0.006144 (0.0041757, 0.0086295) |
| Bangka Belitung | Cirrhosis                                                | All | 5,813.8 (3,721.0, 8,580.5)    | 0.008507 (0.0054450, 0.0125559) | 3,221.0 (1,961.6, 4,856.7)    | 0.005095 (0.0031026, 0.0076820) |



Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-----------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                 |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Bangka Belitung | Chronic respiratory diseases                             | All | 6,085.2       | (3,520.9, 9,069.2)   | 0.008905                 | (0.0051522, 0.0132711) | 3,716.7       | (2,177.9, 5,524.1)   | 0.005879                 | (0.0034448, 0.0087376) |
| Bangka Belitung | Other non-communicable diseases                          | All | 17,109.5      | (12,566.1, 22,518.7) | 0.025037                 | (0.0183880, 0.0329518) | 16,334.9      | (12,163.6, 21,305.3) | 0.025837                 | (0.0192394, 0.0336990) |
| Bangka Belitung | Drowning                                                 | All | 2,977.2       | (1,502.9, 5,200.1)   | 0.004357                 | (0.0021993, 0.0076093) | 975.8         | (441.3, 1,774.6)     | 0.001544                 | (0.0006980, 0.0028070) |
| Bangka Belitung | Falls                                                    | All | 2,280.1       | (1,178.1, 3,952.1)   | 0.003336                 | (0.0017240, 0.0057831) | 1,172.3       | (607.3, 1,962.0)     | 0.001854                 | (0.0009605, 0.0031034) |
| Bangka Belitung | Interpersonal violence                                   | All | 1,412.7       | (761.1, 2,366.0)     | 0.002067                 | (0.0011137, 0.0034621) | 891.7         | (456.1, 1,569.0)     | 0.001410                 | (0.0007214, 0.0024817) |
| Bangka Belitung | Self-harm                                                | All | 816.3         | (392.8, 1,448.5)     | 0.001195                 | (0.0005748, 0.0021196) | 429.0         | (196.0, 816.4)       | 0.000679                 | (0.0003100, 0.0012913) |
| Bangka Belitung | Transport injuries                                       | All | 13,047.8      | (9,153.4, 17,629.6)  | 0.019093                 | (0.0133943, 0.0257976) | 4,347.4       | (2,801.1, 6,312.8)   | 0.006876                 | (0.0044306, 0.0099850) |
| Bangka Belitung | Other unintentional injuries                             | All | 6,712.6       | (4,379.5, 9,870.8)   | 0.009823                 | (0.0064085, 0.0144441) | 2,579.5       | (1,562.1, 3,991.3)   | 0.004080                 | (0.0024709, 0.0063132) |
| Kepulauan Riau  | Diarrheal diseases                                       | NN  | 265.9         | (83.7, 605.1)        | 0.141962                 | (0.0446937, 0.3230619) | 271.7         | (85.8, 592.6)        | 0.156169                 | (0.0493395, 0.3406785) |
| Kepulauan Riau  | Lower respiratory infections                             | NN  | 2,323.2       | (1,000.3, 4,192.2)   | 1.240241                 | (0.5340120, 2.2380180) | 1,635.1       | (735.3, 3,073.4)     | 0.939985                 | (0.4226781, 1.7668140) |
| Kepulauan Riau  | Malaria                                                  | NN  | 21.9          | (0.4, 127.3)         | 0.011675                 | (0.0002259, 0.0679596) | 15.8          | (0.3, 90.8)          | 0.009084                 | (0.0001976, 0.0521735) |
| Kepulauan Riau  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 6,283.8       | (2,935.6, 10,465.0)  | 3.354670                 | (1.5672120, 5.5868211) | 4,907.1       | (2,356.3, 8,413.7)   | 2.820904                 | (1.3545450, 4.8367400) |
| Kepulauan Riau  | Preterm birth complications                              | NN  | 7,812.5       | (3,666.0, 13,023.6)  | 4.170759                 | (1.9571230, 6.9527240) | 7,982.6       | (3,997.7, 13,631.0)  | 4.588945                 | (2.2981510, 7.8360090) |
| Kepulauan Riau  | Other neonatal disorders                                 | NN  | 2,643.0       | (775.8, 5,915.5)     | 1.410970                 | (0.4141759, 3.1580341) | 1,998.5       | (493.3, 4,685.5)     | 1.148855                 | (0.2835629, 2.6935461) |
| Kepulauan Riau  | Other communicable diseases                              | NN  | 402.3         | (137.4, 830.9)       | 0.214773                 | (0.0733475, 0.4435591) | 293.0         | (95.4, 653.9)        | 0.168436                 | (0.0548166, 0.3758927) |
| Kepulauan Riau  | Other malignant neoplasms                                | NN  | 157.6         | (48.5, 352.0)        | 0.084112                 | (0.0258852, 0.1879136) | 142.5         | (48.0, 313.2)        | 0.081918                 | (0.0276095, 0.1800644) |
| Kepulauan Riau  | Cerebrovascular disease                                  | NN  | 73.4          | (18.3, 201.8)        | 0.039181                 | (0.0097763, 0.1077458) | 84.5          | (20.1, 230.1)        | 0.048569                 | (0.0115290, 0.1322495) |
| Kepulauan Riau  | Other cardiovascular and circulatory diseases            | NN  | 53.0          | (10.9, 164.9)        | 0.028301                 | (0.0058091, 0.0880180) | 59.5          | (13.4, 189.1)        | 0.034215                 | (0.0076950, 0.1087096) |
| Kepulauan Riau  | Diabetes mellitus                                        | NN  | 17.4          | (0.1, 133.4)         | 0.009308                 | (0.0000429, 0.0712260) | 19.5          | (0.1, 154.3)         | 0.011215                 | (0.0000550, 0.0887296) |
| Kepulauan Riau  | Other non-communicable diseases                          | NN  | 3,620.0       | (1,794.4, 5,931.1)   | 1.932576                 | (0.9579710, 3.1663439) | 3,802.4       | (1,890.9, 6,527.4)   | 2.185849                 | (1.0870150, 3.7523911) |
| Kepulauan Riau  | Drowning                                                 | NN  | 208.9         | (32.4, 658.1)        | 0.111521                 | (0.0172766, 0.3513452) | 66.9          | (8.2, 220.0)         | 0.038470                 | (0.0047302, 0.1264646) |
| Kepulauan Riau  | Falls                                                    | NN  | 204.1         | (52.9, 523.7)        | 0.108954                 | (0.0282559, 0.2795959) | 86.0          | (21.4, 228.4)        | 0.049452                 | (0.0122939, 0.1313044) |
| Kepulauan Riau  | Interpersonal violence                                   | NN  | 28.1          | (5.8, 82.4)          | 0.014985                 | (0.0031207, 0.0440161) | 18.7          | (3.4, 59.5)          | 0.010775                 | (0.0019321, 0.0342261) |
| Kepulauan Riau  | Transport injuries                                       | NN  | 290.7         | (78.2, 677.7)        | 0.155173                 | (0.0417717, 0.3618077) | 89.7          | (22.5, 221.7)        | 0.051580                 | (0.0129158, 0.1274518) |
| Kepulauan Riau  | Other unintentional injuries                             | NN  | 283.0         | (78.9, 677.1)        | 0.151105                 | (0.0421395, 0.3614489) | 111.1         | (31.3, 287.7)        | 0.063880                 | (0.0179688, 0.1654088) |
| Kepulauan Riau  | Diarrheal diseases                                       | PNN | 106.5         | (40.0, 221.1)        | 0.004553                 | (0.0017093, 0.0094561) | 98.4          | (36.5, 194.5)        | 0.004534                 | (0.0016804, 0.0089591) |
| Kepulauan Riau  | HIV/AIDS                                                 | PNN | 19.0          | (4.1, 51.0)          | 0.000813                 | (0.0001750, 0.0021794) | 11.7          | (2.6, 31.4)          | 0.000539                 | (0.0001184, 0.0014464) |
| Kepulauan Riau  | Lower respiratory infections                             | PNN | 62.9          | (25.7, 116.7)        | 0.002690                 | (0.0011012, 0.0049918) | 38.9          | (15.4, 77.3)         | 0.001793                 | (0.0007100, 0.0035608) |
| Kepulauan Riau  | Malaria                                                  | PNN | 8.5           | (0.2, 47.9)          | 0.000363                 | (0.0000076, 0.0020472) | 5.4           | (0.1, 31.8)          | 0.000248                 | (0.0000058, 0.0014639) |
| Kepulauan Riau  | Tuberculosis                                             | PNN | 9.5           | (3.0, 22.8)          | 0.000406                 | (0.0001299, 0.0009734) | 5.9           | (1.7, 14.3)          | 0.000273                 | (0.0000793, 0.0006565) |
| Kepulauan Riau  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 6.1           | (1.8, 14.7)          | 0.000260                 | (0.0000765, 0.0006298) | 4.0           | (1.0, 9.8)           | 0.000183                 | (0.0000481, 0.0004518) |
| Kepulauan Riau  | Preterm birth complications                              | PNN | 23.1          | (8.1, 49.1)          | 0.000989                 | (0.0003468, 0.0021021) | 22.6          | (8.1, 49.4)          | 0.001043                 | (0.0003712, 0.0022770) |
| Kepulauan Riau  | Other neonatal disorders                                 | PNN | 10.3          | (1.7, 31.4)          | 0.000439                 | (0.0000713, 0.0013449) | 6.7           | (1.0, 21.2)          | 0.000309                 | (0.0000453, 0.0009753) |
| Kepulauan Riau  | Other communicable diseases                              | PNN | 177.4         | (75.6, 322.9)        | 0.007588                 | (0.0032316, 0.0138100) | 117.2         | (50.2, 224.3)        | 0.005399                 | (0.0023132, 0.0103284) |
| Kepulauan Riau  | Other malignant neoplasms                                | PNN | 3.2           | (1.1, 7.1)           | 0.000137                 | (0.0000470, 0.0003022) | 2.5           | (0.8, 5.7)           | 0.000115                 | (0.0000380, 0.0002643) |
| Kepulauan Riau  | Cerebrovascular disease                                  | PNN | 1.5           | (0.4, 3.9)           | 0.000064                 | (0.0000159, 0.0001682) | 1.5           | (0.4, 3.8)           | 0.000068                 | (0.0000166, 0.0001767) |
| Kepulauan Riau  | Ischemic heart disease                                   | PNN | 0.8           | (0.1, 3.5)           | 0.000033                 | (0.0000024, 0.0001477) | 0.7           | (0.0, 3.3)           | 0.000032                 | (0.0000022, 0.0001502) |
| Kepulauan Riau  | Other cardiovascular and circulatory diseases            | PNN | 1.1           | (0.2, 3.1)           | 0.000046                 | (0.0000098, 0.0001340) | 1.0           | (0.2, 3.1)           | 0.000048                 | (0.0000105, 0.0001428) |
| Kepulauan Riau  | Diabetes mellitus                                        | PNN | 0.4           | (0.0, 2.6)           | 0.000015                 | (0.0000001, 0.0001111) | 0.3           | (0.0, 2.4)           | 0.000016                 | (0.0000001, 0.0001101) |
| Kepulauan Riau  | Chronic kidney disease                                   | PNN | 5.5           | (1.8, 12.8)          | 0.000237                 | (0.0000786, 0.0005476) | 4.1           | (1.3, 9.5)           | 0.000191                 | (0.0000620, 0.0004391) |
| Kepulauan Riau  | Other non-communicable diseases                          | PNN | 72.7          | (34.0, 122.0)        | 0.003110                 | (0.0014540, 0.0052169) | 65.5          | (30.9, 113.0)        | 0.003018                 | (0.0014215, 0.0052065) |
| Kepulauan Riau  | Drowning                                                 | PNN | 5.2           | (0.8, 16.4)          | 0.000223                 | (0.0000360, 0.0007009) | 1.4           | (0.2, 4.7)           | 0.000066                 | (0.0000090, 0.0002174) |
| Kepulauan Riau  | Falls                                                    | PNN | 4.9           | (1.4, 12.2)          | 0.000209                 | (0.0000614, 0.0005202) | 1.7           | (0.5, 4.2)           | 0.000081                 | (0.0000212, 0.0001925) |
| Kepulauan Riau  | Interpersonal violence                                   | PNN | 0.7           | (0.1, 1.8)           | 0.000028                 | (0.0000061, 0.0000785) | 0.4           | (0.1, 1.0)           | 0.000017                 | (0.0000033, 0.0000464) |
| Kepulauan Riau  | Transport injuries                                       | PNN | 7.2           | (2.0, 16.9)          | 0.000307                 | (0.0000866, 0.0007248) | 1.9           | (0.5, 4.5)           | 0.000087                 | (0.0000216, 0.0002081) |
| Kepulauan Riau  | Other unintentional injuries                             | PNN | 6.7           | (2.1, 15.7)          | 0.000285                 | (0.0000892, 0.0006721) | 2.2           | (0.6, 5.3)           | 0.000102                 | (0.0000286, 0.0002458) |
| Kepulauan Riau  | Diarrheal diseases                                       | 1   | 820.9         | (232.1, 2,050.0)     | 0.009274                 | (0.0026220, 0.0231595) | 872.6         | (272.0, 1,927.0)     | 0.010198                 | (0.0031786, 0.0225205) |
| Kepulauan Riau  | HIV/AIDS                                                 | 1   | 365.6         | (69.2, 994.7)        | 0.004131                 | (0.0007816, 0.0112377) | 260.5         | (52.4, 739.9)        | 0.003045                 | (0.0006126, 0.0086471) |
| Kepulauan Riau  | Lower respiratory infections                             | 1   | 1,178.2       | (411.1, 2,588.4)     | 0.013311                 | (0.0046444, 0.0292420) | 841.0         | (323.0, 1,847.5)     | 0.009829                 | (0.0037747, 0.0215920) |
| Kepulauan Riau  | Malaria                                                  | 1   | 55.0          | (1.0, 315.9)         | 0.000621                 | (0.0000117, 0.0035694) | 39.8          | (0.9, 232.0)         | 0.000465                 | (0.0000102, 0.0027111) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                 | Females                  |                                 |
|----------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Kepulauan Riau | Tuberculosis                                             | 1   | 188.4 (56.0, 471.3)        | 0.002128 (0.0006323, 0.0053240) | 136.1 (41.7, 320.6)      | 0.001591 (0.0004876, 0.0037468) |
| Kepulauan Riau | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 56.0 (13.8, 156.4)         | 0.000633 (0.0001563, 0.0017673) | 40.4 (10.1, 116.0)       | 0.000472 (0.0001186, 0.0013554) |
| Kepulauan Riau | Preterm birth complications                              | 1   | 41.4 (6.0, 142.2)          | 0.000468 (0.0000677, 0.0016063) | 44.8 (6.9, 156.7)        | 0.000523 (0.0000808, 0.0018309) |
| Kepulauan Riau | Other neonatal disorders                                 | 1   | 13.6 (0.1, 95.5)           | 0.000154 (0.0000008, 0.0010791) | 9.4 (0.1, 68.7)          | 0.000110 (0.0000006, 0.0008028) |
| Kepulauan Riau | Other communicable diseases                              | 1   | 2,850.7 (1,035.0, 5,987.5) | 0.032206 (0.0116934, 0.0676436) | 2,186.2 (878.2, 4,417.3) | 0.025549 (0.0102632, 0.0516241) |
| Kepulauan Riau | Other malignant neoplasms                                | 1   | 42.2 (12.1, 109.8)         | 0.000477 (0.0001367, 0.0012404) | 38.9 (11.8, 95.1)        | 0.000455 (0.0001384, 0.0011110) |
| Kepulauan Riau | Cerebrovascular disease                                  | 1   | 21.4 (4.8, 59.6)           | 0.000242 (0.0000543, 0.0006738) | 25.3 (5.8, 68.1)         | 0.000295 (0.0000683, 0.0007962) |
| Kepulauan Riau | Ischemic heart disease                                   | 1   | 11.6 (0.7, 53.8)           | 0.000131 (0.0000082, 0.0006074) | 12.2 (0.8, 60.0)         | 0.000143 (0.0000099, 0.0007013) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 1   | 14.7 (2.6, 46.4)           | 0.000166 (0.0000288, 0.0005244) | 16.7 (3.0, 52.3)         | 0.000195 (0.0000353, 0.0006113) |
| Kepulauan Riau | Diabetes mellitus                                        | 1   | 4.6 (0.0, 35.6)            | 0.000053 (0.0000002, 0.0004020) | 5.3 (0.0, 42.1)          | 0.000062 (0.0000003, 0.0004926) |
| Kepulauan Riau | Chronic kidney disease                                   | 1   | 70.5 (21.5, 183.8)         | 0.000797 (0.0002429, 0.0020760) | 62.2 (18.6, 149.9)       | 0.000726 (0.0002171, 0.0017524) |
| Kepulauan Riau | Cirrhosis                                                | 1   | 73.4 (19.1, 193.0)         | 0.000830 (0.0002153, 0.0021803) | 38.3 (10.0, 97.3)        | 0.000448 (0.0001163, 0.0011366) |
| Kepulauan Riau | Chronic respiratory diseases                             | 1   | 96.9 (23.0, 269.6)         | 0.001095 (0.0002595, 0.0030455) | 37.6 (8.9, 101.3)        | 0.000440 (0.0001039, 0.0011837) |
| Kepulauan Riau | Other non-communicable diseases                          | 1   | 962.6 (378.5, 2,004.4)     | 0.010875 (0.0042765, 0.0226451) | 1,023.3 (421.4, 1,990.3) | 0.011959 (0.0049244, 0.0232604) |
| Kepulauan Riau | Drowning                                                 | 1   | 253.6 (45.0, 742.3)        | 0.002865 (0.0005089, 0.0083857) | 81.5 (11.9, 237.9)       | 0.000953 (0.0001388, 0.0027805) |
| Kepulauan Riau | Falls                                                    | 1   | 169.7 (43.6, 451.4)        | 0.001917 (0.0004925, 0.0051001) | 71.8 (16.7, 196.7)       | 0.000839 (0.0001957, 0.0022982) |
| Kepulauan Riau | Interpersonal violence                                   | 1   | 18.5 (3.6, 55.2)           | 0.000209 (0.0000408, 0.0006231) | 12.6 (2.6, 36.4)         | 0.000147 (0.0000299, 0.0004254) |
| Kepulauan Riau | Transport injuries                                       | 1   | 315.9 (78.4, 776.9)        | 0.003569 (0.0008855, 0.0087769) | 98.3 (24.5, 248.8)       | 0.001148 (0.0002863, 0.0029073) |
| Kepulauan Riau | Other unintentional injuries                             | 1   | 196.8 (55.6, 489.1)        | 0.002224 (0.0006280, 0.0055253) | 77.7 (21.2, 202.2)       | 0.000909 (0.0002482, 0.0023629) |
| Kepulauan Riau | Diarrheal diseases                                       | 5   | 394.8 (169.6, 751.9)       | 0.004335 (0.0018626, 0.0082557) | 407.7 (183.4, 730.5)     | 0.004677 (0.0021040, 0.0083804) |
| Kepulauan Riau | HIV/AIDS                                                 | 5   | 121.1 (24.8, 320.9)        | 0.001330 (0.0002722, 0.0035230) | 83.1 (16.4, 212.7)       | 0.000953 (0.0001880, 0.0024398) |
| Kepulauan Riau | Lower respiratory infections                             | 5   | 369.8 (197.7, 572.4)       | 0.004060 (0.0021708, 0.0062842) | 258.0 (137.9, 408.5)     | 0.002960 (0.0015819, 0.0046867) |
| Kepulauan Riau | Malaria                                                  | 5   | 25.8 (0.6, 150.8)          | 0.000283 (0.0000071, 0.0016552) | 18.7 (0.5, 114.0)        | 0.000215 (0.0000056, 0.0013074) |
| Kepulauan Riau | Tuberculosis                                             | 5   | 86.0 (36.2, 184.4)         | 0.000944 (0.0003973, 0.0020243) | 60.8 (25.5, 125.5)       | 0.000697 (0.0002928, 0.0014393) |
| Kepulauan Riau | Other communicable diseases                              | 5   | 1,335.8 (928.2, 1,782.9)   | 0.014666 (0.0101905, 0.0195749) | 1,003.8 (675.6, 1,330.4) | 0.011515 (0.0077497, 0.0152620) |
| Kepulauan Riau | Other malignant neoplasms                                | 5   | 181.7 (88.0, 318.4)        | 0.001995 (0.0009662, 0.0034953) | 170.3 (89.3, 291.0)      | 0.001954 (0.0010242, 0.0033381) |
| Kepulauan Riau | Cerebrovascular disease                                  | 5   | 60.3 (26.1, 113.7)         | 0.000662 (0.0002860, 0.0012484) | 71.8 (32.8, 128.2)       | 0.000824 (0.0003765, 0.0014712) |
| Kepulauan Riau | Ischemic heart disease                                   | 5   | 37.6 (13.1, 85.8)          | 0.000413 (0.0001438, 0.0009423) | 39.6 (15.0, 86.5)        | 0.000455 (0.0001722, 0.0009927) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 5   | 45.9 (16.6, 104.2)         | 0.000504 (0.0001818, 0.0011439) | 52.1 (20.8, 111.7)       | 0.000598 (0.0002388, 0.0012811) |
| Kepulauan Riau | Diabetes mellitus                                        | 5   | 39.3 (13.5, 95.4)          | 0.000432 (0.0001479, 0.0010475) | 44.9 (15.9, 103.9)       | 0.000515 (0.0001829, 0.0011914) |
| Kepulauan Riau | Chronic kidney disease                                   | 5   | 104.8 (46.3, 194.4)        | 0.001151 (0.0005081, 0.0021345) | 93.9 (42.2, 169.1)       | 0.001077 (0.0004836, 0.0019394) |
| Kepulauan Riau | Cirrhosis                                                | 5   | 140.0 (66.9, 251.6)        | 0.001537 (0.0007349, 0.0027628) | 74.9 (35.0, 141.0)       | 0.000859 (0.0004018, 0.0016177) |
| Kepulauan Riau | Chronic respiratory diseases                             | 5   | 54.3 (18.7, 114.0)         | 0.000596 (0.0002057, 0.0012512) | 21.2 (7.9, 45.0)         | 0.000243 (0.0000906, 0.0005159) |
| Kepulauan Riau | Other non-communicable diseases                          | 5   | 588.6 (410.3, 809.5)       | 0.006462 (0.0045051, 0.0088878) | 635.6 (454.6, 843.0)     | 0.007291 (0.0052145, 0.0096709) |
| Kepulauan Riau | Drowning                                                 | 5   | 619.0 (203.3, 1,208.8)     | 0.006796 (0.0022322, 0.0132715) | 251.1 (69.6, 535.5)      | 0.002881 (0.0007980, 0.0061429) |
| Kepulauan Riau | Falls                                                    | 5   | 210.6 (75.2, 425.5)        | 0.002312 (0.0008252, 0.0046713) | 107.4 (36.5, 219.0)      | 0.001232 (0.0004183, 0.0025120) |
| Kepulauan Riau | Interpersonal violence                                   | 5   | 10.5 (2.7, 28.0)           | 0.000115 (0.0000296, 0.0003071) | 8.5 (2.2, 21.8)          | 0.000097 (0.0000251, 0.0002506) |
| Kepulauan Riau | Transport injuries                                       | 5   | 745.9 (323.2, 1,252.4)     | 0.008189 (0.0035489, 0.0137504) | 293.6 (118.1, 537.3)     | 0.003368 (0.0013543, 0.0061635) |
| Kepulauan Riau | Other unintentional injuries                             | 5   | 128.4 (54.9, 243.2)        | 0.001410 (0.0006026, 0.0026704) | 61.1 (23.9, 125.7)       | 0.000701 (0.0002738, 0.0014420) |
| Kepulauan Riau | Diarrheal diseases                                       | 10  | 131.8 (52.3, 285.3)        | 0.001939 (0.0007697, 0.0041955) | 140.5 (58.3, 280.4)      | 0.002262 (0.0009382, 0.0045151) |
| Kepulauan Riau | HIV/AIDS                                                 | 10  | 87.2 (22.2, 218.4)         | 0.001282 (0.0003269, 0.0032107) | 63.2 (16.0, 149.0)       | 0.001018 (0.0002575, 0.0023998) |
| Kepulauan Riau | Lower respiratory infections                             | 10  | 166.7 (80.2, 286.6)        | 0.002451 (0.0011786, 0.0042141) | 118.0 (54.1, 202.3)      | 0.001900 (0.0008707, 0.0032576) |
| Kepulauan Riau | Malaria                                                  | 10  | 34.4 (1.1, 189.3)          | 0.000506 (0.0000167, 0.0027837) | 27.4 (1.0, 154.9)        | 0.000440 (0.0000154, 0.0024949) |
| Kepulauan Riau | Tuberculosis                                             | 10  | 138.1 (64.3, 246.3)        | 0.002030 (0.0009461, 0.0036217) | 106.8 (49.6, 186.7)      | 0.001720 (0.0007988, 0.0030057) |
| Kepulauan Riau | Maternal disorders                                       | 10  |                            |                                 | 18.1 (3.0, 49.1)         | 0.000292 (0.0000483, 0.0007905) |
| Kepulauan Riau | Other communicable diseases                              | 10  | 682.5 (448.1, 923.4)       | 0.010034 (0.0065883, 0.0135770) | 510.0 (320.2, 705.1)     | 0.008212 (0.0051555, 0.0113522) |
| Kepulauan Riau | Other malignant neoplasms                                | 10  | 183.0 (96.7, 284.3)        | 0.002691 (0.0014213, 0.0041803) | 188.5 (109.5, 287.0)     | 0.003034 (0.0017630, 0.0046207) |
| Kepulauan Riau | Cerebrovascular disease                                  | 10  | 67.0 (35.9, 110.7)         | 0.000986 (0.0005284, 0.0016281) | 81.3 (46.4, 130.6)       | 0.001309 (0.0007466, 0.0021021) |
| Kepulauan Riau | Ischemic heart disease                                   | 10  | 62.2 (30.3, 109.2)         | 0.000915 (0.0004457, 0.0016049) | 67.8 (35.0, 117.4)       | 0.001092 (0.0005633, 0.0018898) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 10  | 46.6 (20.3, 93.1)          | 0.000686 (0.0002986, 0.0013694) | 56.0 (26.2, 105.9)       | 0.000902 (0.0004211, 0.0017049) |
| Kepulauan Riau | Diabetes mellitus                                        | 10  | 38.9 (18.9, 72.5)          | 0.000571 (0.0002780, 0.0010665) | 47.4 (24.1, 86.6)        | 0.000763 (0.0003875, 0.0013949) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Kepulauan Riau | Chronic kidney disease                        | 10  | 102.3 (57.3, 168.9)        | 0.001504 (0.0008427, 0.0024830) | 99.1 (53.5, 160.1)       | 0.001595 (0.0008612, 0.0025776) |
| Kepulauan Riau | Cirrhosis                                     | 10  | 112.8 (59.5, 188.2)        | 0.001659 (0.0008747, 0.0027674) | 61.8 (32.5, 101.9)       | 0.000996 (0.0005236, 0.0016411) |
| Kepulauan Riau | Chronic respiratory diseases                  | 10  | 72.0 (32.4, 130.5)         | 0.001059 (0.0004760, 0.0019180) | 32.1 (14.4, 61.8)        | 0.000516 (0.0002321, 0.0009950) |
| Kepulauan Riau | Other non-communicable diseases               | 10  | 467.4 (341.4, 635.1)       | 0.006872 (0.0050203, 0.0093382) | 520.2 (387.7, 668.0)     | 0.008375 (0.0062418, 0.0107549) |
| Kepulauan Riau | Drowning                                      | 10  | 230.4 (56.9, 587.4)        | 0.003388 (0.0008366, 0.0086362) | 82.3 (16.4, 230.8)       | 0.001325 (0.0002647, 0.0037161) |
| Kepulauan Riau | Falls                                         | 10  | 126.2 (47.5, 251.3)        | 0.001855 (0.0006979, 0.0036943) | 59.8 (21.7, 126.6)       | 0.000963 (0.0003488, 0.0020384) |
| Kepulauan Riau | Interpersonal violence                        | 10  | 11.0 (4.1, 24.1)           | 0.000161 (0.0000600, 0.0003550) | 9.2 (3.3, 20.2)          | 0.000149 (0.0000533, 0.0003257) |
| Kepulauan Riau | Self-harm                                     | 10  | 21.5 (6.6, 54.0)           | 0.000316 (0.0000968, 0.0007936) | 15.5 (4.4, 36.6)         | 0.000250 (0.0000711, 0.0005901) |
| Kepulauan Riau | Transport injuries                            | 10  | 747.0 (433.0, 1,070.8)     | 0.010983 (0.0063671, 0.0157444) | 297.2 (147.5, 488.8)     | 0.004785 (0.0023745, 0.0078706) |
| Kepulauan Riau | Other unintentional injuries                  | 10  | 86.0 (42.8, 155.1)         | 0.001264 (0.0006298, 0.0022808) | 40.6 (18.5, 78.5)        | 0.000653 (0.0002983, 0.0012634) |
| Kepulauan Riau | Diarrheal diseases                            | 15  | 72.3 (20.6, 177.4)         | 0.001170 (0.0003336, 0.0028694) | 92.7 (27.0, 211.9)       | 0.001469 (0.0004273, 0.0033591) |
| Kepulauan Riau | HIV/AIDS                                      | 15  | 74.1 (17.6, 193.5)         | 0.001198 (0.0002840, 0.0031294) | 73.0 (16.0, 189.7)       | 0.001157 (0.0002534, 0.0030070) |
| Kepulauan Riau | Lower respiratory infections                  | 15  | 70.9 (29.0, 139.4)         | 0.001146 (0.0004685, 0.0022544) | 60.3 (23.9, 119.0)       | 0.000955 (0.0003793, 0.0018869) |
| Kepulauan Riau | Malaria                                       | 15  | 77.8 (3.4, 338.0)          | 0.001259 (0.0000549, 0.0054661) | 79.2 (3.2, 340.9)        | 0.001256 (0.0000502, 0.0054045) |
| Kepulauan Riau | Tuberculosis                                  | 15  | 243.9 (129.0, 403.7)       | 0.003945 (0.0020858, 0.0065293) | 244.5 (127.5, 393.8)     | 0.003876 (0.0020207, 0.0062420) |
| Kepulauan Riau | Maternal disorders                            | 15  |                            |                                 | 85.8 (45.1, 150.4)       | 0.001361 (0.0007155, 0.0023837) |
| Kepulauan Riau | Other communicable diseases                   | 15  | 452.9 (205.1, 710.8)       | 0.007326 (0.0033167, 0.0114968) | 388.0 (172.7, 617.4)     | 0.006151 (0.0027376, 0.0097866) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 15  | 79.5 (26.4, 166.7)         | 0.001286 (0.0004272, 0.0026953) | 44.9 (12.4, 106.2)       | 0.000712 (0.0001971, 0.0016828) |
| Kepulauan Riau | Breast cancer                                 | 15  | 1.0 (0.1, 4.3)             | 0.000017 (0.0000012, 0.0000702) | 39.9 (8.5, 105.9)        | 0.000633 (0.0001347, 0.0016793) |
| Kepulauan Riau | Cervical cancer                               | 15  |                            |                                 | 39.2 (6.4, 115.6)        | 0.000621 (0.0001008, 0.0018319) |
| Kepulauan Riau | Other malignant neoplasms                     | 15  | 194.0 (103.1, 316.3)       | 0.003138 (0.0016671, 0.0051159) | 318.6 (176.9, 497.8)     | 0.005050 (0.0028049, 0.0078907) |
| Kepulauan Riau | Cerebrovascular disease                       | 15  | 104.5 (57.9, 175.5)        | 0.001691 (0.0009372, 0.0028378) | 161.7 (91.7, 263.4)      | 0.002563 (0.0014540, 0.0041755) |
| Kepulauan Riau | Ischemic heart disease                        | 15  | 173.8 (99.2, 272.4)        | 0.002811 (0.0016048, 0.0044049) | 214.6 (120.2, 337.3)     | 0.003402 (0.0019055, 0.0053468) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 15  | 63.5 (29.0, 126.4)         | 0.001026 (0.0004694, 0.0020448) | 111.8 (49.8, 224.6)      | 0.001772 (0.0007887, 0.0035597) |
| Kepulauan Riau | Diabetes mellitus                             | 15  | 56.5 (27.7, 104.7)         | 0.000913 (0.0004472, 0.0016927) | 101.4 (50.5, 185.8)      | 0.001607 (0.0008011, 0.0029457) |
| Kepulauan Riau | Chronic kidney disease                        | 15  | 139.9 (78.5, 235.4)        | 0.002263 (0.0012701, 0.0038079) | 204.0 (112.9, 334.4)     | 0.003235 (0.0017900, 0.0053009) |
| Kepulauan Riau | Cirrhosis                                     | 15  | 118.5 (61.7, 200.6)        | 0.001916 (0.0009978, 0.0032449) | 90.5 (44.8, 155.1)       | 0.001435 (0.0007109, 0.0024583) |
| Kepulauan Riau | Chronic respiratory diseases                  | 15  | 50.0 (23.8, 93.1)          | 0.000809 (0.0003845, 0.0015058) | 42.7 (19.6, 79.1)        | 0.000676 (0.0003113, 0.0012545) |
| Kepulauan Riau | Other non-communicable diseases               | 15  | 477.2 (322.6, 682.6)       | 0.007717 (0.0052180, 0.0110398) | 720.7 (496.9, 961.1)     | 0.011425 (0.0078771, 0.0152355) |
| Kepulauan Riau | Drowning                                      | 15  | 90.4 (18.9, 284.1)         | 0.001462 (0.0003054, 0.0045945) | 35.1 (6.2, 114.0)        | 0.000556 (0.0000983, 0.0018077) |
| Kepulauan Riau | Falls                                         | 15  | 87.1 (38.6, 170.8)         | 0.001408 (0.0006238, 0.0027626) | 49.6 (19.4, 105.2)       | 0.000786 (0.0003075, 0.0016673) |
| Kepulauan Riau | Interpersonal violence                        | 15  | 23.2 (10.1, 46.3)          | 0.000375 (0.0001628, 0.0007482) | 28.3 (10.6, 61.7)        | 0.000449 (0.0001687, 0.0009779) |
| Kepulauan Riau | Self-harm                                     | 15  | 39.4 (17.0, 79.2)          | 0.000637 (0.0002745, 0.0012803) | 42.4 (15.6, 86.9)        | 0.000672 (0.0002468, 0.0013781) |
| Kepulauan Riau | Transport injuries                            | 15  | 1,645.7 (1,197.9, 2,193.7) | 0.026616 (0.0193742, 0.0354801) | 933.1 (583.9, 1,309.6)   | 0.014792 (0.0092559, 0.0207598) |
| Kepulauan Riau | Other unintentional injuries                  | 15  | 105.5 (59.8, 180.8)        | 0.001706 (0.0009664, 0.0029238) | 65.9 (31.8, 124.8)       | 0.001045 (0.0005039, 0.0019788) |
| Kepulauan Riau | Diarrheal diseases                            | 20  | 102.3 (28.9, 248.9)        | 0.001091 (0.0003087, 0.0026559) | 88.3 (26.4, 209.2)       | 0.000814 (0.0002432, 0.0019272) |
| Kepulauan Riau | HIV/AIDS                                      | 20  | 382.3 (117.1, 799.9)       | 0.004080 (0.0012500, 0.0085365) | 213.8 (65.6, 451.3)      | 0.001969 (0.0006046, 0.0041567) |
| Kepulauan Riau | Lower respiratory infections                  | 20  | 102.8 (39.7, 208.9)        | 0.001097 (0.0004233, 0.0022289) | 48.6 (17.5, 103.7)       | 0.000447 (0.0001616, 0.0009555) |
| Kepulauan Riau | Malaria                                       | 20  | 151.0 (6.6, 636.6)         | 0.001611 (0.0000704, 0.0067934) | 92.5 (4.3, 393.6)        | 0.000852 (0.0000393, 0.0036253) |
| Kepulauan Riau | Tuberculosis                                  | 20  | 817.5 (445.0, 1,280.1)     | 0.008724 (0.0047489, 0.0136608) | 378.8 (189.3, 620.8)     | 0.003489 (0.0017435, 0.0057180) |
| Kepulauan Riau | Maternal disorders                            | 20  |                            |                                 | 1,350.8 (903.0, 1,842.9) | 0.012441 (0.0083169, 0.0169740) |
| Kepulauan Riau | Other communicable diseases                   | 20  | 804.3 (345.8, 1,286.8)     | 0.008584 (0.0036902, 0.0137327) | 482.9 (211.3, 798.7)     | 0.004448 (0.0019464, 0.0073568) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 20  | 83.4 (20.7, 222.1)         | 0.000890 (0.0002204, 0.0023707) | 119.3 (37.1, 265.5)      | 0.001099 (0.0003419, 0.0024451) |
| Kepulauan Riau | Breast cancer                                 | 20  | 2.5 (0.4, 8.8)             | 0.000027 (0.0000040, 0.0000940) | 197.6 (69.3, 411.6)      | 0.001820 (0.0006383, 0.0037915) |
| Kepulauan Riau | Cervical cancer                               | 20  |                            |                                 | 185.0 (47.8, 459.9)      | 0.001704 (0.0004405, 0.0042363) |
| Kepulauan Riau | Other malignant neoplasms                     | 20  | 318.2 (173.1, 513.0)       | 0.003396 (0.0018470, 0.0054745) | 646.2 (331.8, 1,033.2)   | 0.005952 (0.0030558, 0.0095167) |
| Kepulauan Riau | Cerebrovascular disease                       | 20  | 308.1 (187.8, 469.1)       | 0.003288 (0.0020041, 0.0050059) | 481.1 (303.5, 730.7)     | 0.004431 (0.0027959, 0.0067304) |
| Kepulauan Riau | Ischemic heart disease                        | 20  | 508.9 (307.1, 765.5)       | 0.005431 (0.0032770, 0.0081692) | 481.9 (285.0, 728.8)     | 0.004438 (0.0026253, 0.0067126) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 20  | 156.7 (78.4, 275.2)        | 0.001672 (0.0008367, 0.0029367) | 301.1 (155.8, 543.1)     | 0.002774 (0.0014350, 0.0050020) |
| Kepulauan Riau | Diabetes mellitus                             | 20  | 93.2 (49.1, 158.1)         | 0.000994 (0.0005239, 0.0016872) | 176.5 (90.1, 296.3)      | 0.001626 (0.0008301, 0.0027295) |
| Kepulauan Riau | Chronic kidney disease                        | 20  | 376.4 (227.8, 597.2)       | 0.004017 (0.0024308, 0.0063730) | 560.9 (332.6, 891.1)     | 0.005166 (0.0030633, 0.0082077) |
| Kepulauan Riau | Cirrhosis                                     | 20  | 307.7 (171.1, 522.4)       | 0.003284 (0.0018260, 0.0055747) | 268.5 (143.5, 442.6)     | 0.002474 (0.0013219, 0.0040764) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kepulauan Riau | Chronic respiratory diseases                  | 20  | 186.3 (92.2, 320.1)        | 0.001989 (0.0009840, 0.0034160) | 189.9 (87.3, 334.3)        | 0.001749 (0.0008041, 0.0030790) |
| Kepulauan Riau | Other non-communicable diseases               | 20  | 726.1 (478.3, 1,066.3)     | 0.007749 (0.0051046, 0.0113798) | 1,161.7 (770.4, 1,613.2)   | 0.010700 (0.0070956, 0.0148582) |
| Kepulauan Riau | Drowning                                      | 20  | 91.2 (16.1, 289.9)         | 0.000973 (0.0001722, 0.0030934) | 44.8 (7.3, 146.3)          | 0.000413 (0.0000668, 0.0013472) |
| Kepulauan Riau | Falls                                         | 20  | 125.0 (54.7, 249.0)        | 0.001334 (0.0005833, 0.0026575) | 83.4 (32.7, 180.4)         | 0.000768 (0.0003011, 0.0016614) |
| Kepulauan Riau | Interpersonal violence                        | 20  | 46.8 (20.0, 93.7)          | 0.000500 (0.0002129, 0.0009995) | 52.4 (19.9, 112.7)         | 0.000482 (0.0001829, 0.0010376) |
| Kepulauan Riau | Self-harm                                     | 20  | 69.9 (28.7, 138.5)         | 0.000746 (0.0003063, 0.0014782) | 66.5 (23.9, 137.3)         | 0.000613 (0.0002206, 0.0012643) |
| Kepulauan Riau | Transport injuries                            | 20  | 2,077.1 (1,385.4, 2,901.7) | 0.022166 (0.0147843, 0.0309666) | 1,191.2 (667.6, 1,807.8)   | 0.010972 (0.0061494, 0.0166511) |
| Kepulauan Riau | Other unintentional injuries                  | 20  | 186.4 (96.4, 328.5)        | 0.001989 (0.0010292, 0.0035054) | 119.4 (52.7, 238.5)        | 0.001100 (0.0004857, 0.0021963) |
| Kepulauan Riau | Diarrheal diseases                            | 25  | 170.8 (55.8, 420.6)        | 0.001478 (0.0004832, 0.0036393) | 89.7 (29.6, 210.7)         | 0.000764 (0.0002522, 0.0017941) |
| Kepulauan Riau | HIV/AIDS                                      | 25  | 774.7 (268.3, 1,451.3)     | 0.006703 (0.0023214, 0.0125574) | 256.5 (91.5, 507.5)        | 0.002185 (0.0007789, 0.0043221) |
| Kepulauan Riau | Lower respiratory infections                  | 25  | 119.8 (46.6, 250.4)        | 0.001037 (0.0004028, 0.0021663) | 33.0 (11.6, 72.2)          | 0.000281 (0.0000985, 0.0006147) |
| Kepulauan Riau | Malaria                                       | 25  | 193.9 (8.7, 758.2)         | 0.001677 (0.0000753, 0.0065602) | 70.7 (3.2, 307.6)          | 0.000602 (0.0000275, 0.0026198) |
| Kepulauan Riau | Tuberculosis                                  | 25  | 1,295.5 (696.3, 2,011.9)   | 0.011209 (0.0060243, 0.0174077) | 333.9 (157.6, 567.2)       | 0.002844 (0.0013417, 0.0048302) |
| Kepulauan Riau | Maternal disorders                            | 25  |                            |                                 | 2,456.6 (1,724.6, 3,252.0) | 0.020921 (0.0146875, 0.0276945) |
| Kepulauan Riau | Other communicable diseases                   | 25  | 1,000.4 (445.9, 1,609.8)   | 0.008656 (0.0038580, 0.0139285) | 369.2 (166.1, 605.3)       | 0.003144 (0.0014147, 0.0051549) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 25  | 74.9 (12.7, 250.3)         | 0.000648 (0.0001100, 0.0021654) | 163.7 (51.0, 362.5)        | 0.001394 (0.0004339, 0.0030873) |
| Kepulauan Riau | Breast cancer                                 | 25  | 2.3 (0.4, 7.0)             | 0.000020 (0.0000034, 0.0000603) | 426.4 (155.6, 840.2)       | 0.003631 (0.0013254, 0.0071552) |
| Kepulauan Riau | Cervical cancer                               | 25  |                            |                                 | 313.0 (73.1, 783.8)        | 0.002665 (0.0006227, 0.0066746) |
| Kepulauan Riau | Other malignant neoplasms                     | 25  | 491.6 (278.4, 787.4)       | 0.004254 (0.0024091, 0.0068130) | 800.2 (379.2, 1,333.9)     | 0.006814 (0.0032290, 0.0113599) |
| Kepulauan Riau | Cerebrovascular disease                       | 25  | 633.2 (416.7, 911.7)       | 0.005479 (0.0036057, 0.0078887) | 870.9 (566.2, 1,256.7)     | 0.007417 (0.0048219, 0.0107022) |
| Kepulauan Riau | Ischemic heart disease                        | 25  | 1,138.5 (775.6, 1,570.5)   | 0.009850 (0.0067111, 0.0135885) | 886.7 (546.6, 1,281.2)     | 0.007551 (0.0046548, 0.0109114) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 25  | 237.6 (128.4, 414.0)       | 0.002056 (0.0011106, 0.0035821) | 416.1 (222.6, 743.8)       | 0.003543 (0.0018961, 0.0063348) |
| Kepulauan Riau | Diabetes mellitus                             | 25  | 191.5 (115.5, 300.8)       | 0.001657 (0.0009990, 0.0026025) | 312.5 (175.8, 497.2)       | 0.002661 (0.0014976, 0.0042345) |
| Kepulauan Riau | Chronic kidney disease                        | 25  | 524.9 (327.1, 794.1)       | 0.004541 (0.0028302, 0.0068708) | 669.0 (384.6, 1,033.0)     | 0.005697 (0.0032755, 0.0087973) |
| Kepulauan Riau | Cirrhosis                                     | 25  | 513.8 (299.0, 835.4)       | 0.004446 (0.0025872, 0.0072284) | 395.3 (222.0, 639.1)       | 0.003367 (0.0018903, 0.0054423) |
| Kepulauan Riau | Chronic respiratory diseases                  | 25  | 258.2 (128.7, 447.6)       | 0.002234 (0.0011137, 0.0038731) | 236.6 (112.8, 415.2)       | 0.002015 (0.0009603, 0.0035359) |
| Kepulauan Riau | Other non-communicable diseases               | 25  | 970.7 (665.5, 1,397.8)     | 0.008399 (0.0057581, 0.0120944) | 1,393.0 (904.9, 1,963.0)   | 0.011863 (0.0077060, 0.0167178) |
| Kepulauan Riau | Drowning                                      | 25  | 68.8 (10.6, 224.3)         | 0.000595 (0.0000919, 0.0019404) | 30.5 (4.3, 95.0)           | 0.000259 (0.0000366, 0.0008092) |
| Kepulauan Riau | Falls                                         | 25  | 209.8 (88.0, 429.9)        | 0.001815 (0.0007613, 0.0037197) | 124.3 (48.3, 273.5)        | 0.001059 (0.0004110, 0.0023289) |
| Kepulauan Riau | Interpersonal violence                        | 25  | 57.9 (23.5, 108.3)         | 0.000501 (0.0002036, 0.0009374) | 54.2 (19.7, 112.4)         | 0.000461 (0.0001677, 0.0009571) |
| Kepulauan Riau | Self-harm                                     | 25  | 80.8 (30.8, 160.4)         | 0.000699 (0.0002663, 0.0013878) | 63.5 (22.1, 133.5)         | 0.000541 (0.0001884, 0.0011370) |
| Kepulauan Riau | Transport injuries                            | 25  | 1,689.6 (1,010.0, 2,493.1) | 0.014619 (0.0087391, 0.0215710) | 785.2 (394.7, 1,293.1)     | 0.006687 (0.0033615, 0.0110124) |
| Kepulauan Riau | Other unintentional injuries                  | 25  | 268.1 (135.2, 484.4)       | 0.002320 (0.0011694, 0.0041909) | 147.5 (62.7, 292.6)        | 0.001256 (0.0005340, 0.0024922) |
| Kepulauan Riau | Diarrheal diseases                            | 30  | 168.3 (51.2, 386.2)        | 0.001571 (0.0004784, 0.0036058) | 181.2 (61.8, 393.5)        | 0.001805 (0.0006157, 0.0039209) |
| Kepulauan Riau | HIV/AIDS                                      | 30  | 674.8 (237.3, 1,293.4)     | 0.006301 (0.0022156, 0.0120763) | 473.4 (178.2, 873.8)       | 0.004717 (0.0017752, 0.0087065) |
| Kepulauan Riau | Lower respiratory infections                  | 30  | 90.9 (36.5, 190.2)         | 0.000848 (0.0003410, 0.0017758) | 56.2 (20.7, 118.9)         | 0.000560 (0.0002060, 0.0011852) |
| Kepulauan Riau | Malaria                                       | 30  | 146.5 (6.3, 601.6)         | 0.001368 (0.0000592, 0.0056169) | 105.3 (4.7, 466.1)         | 0.001049 (0.0000472, 0.0046439) |
| Kepulauan Riau | Tuberculosis                                  | 30  | 1,071.9 (567.2, 1,714.7)   | 0.010008 (0.0052961, 0.0160099) | 584.3 (274.2, 997.7)       | 0.005821 (0.0027317, 0.0099411) |
| Kepulauan Riau | Maternal disorders                            | 30  |                            |                                 | 1,112.2 (692.8, 1,575.1)   | 0.011081 (0.0069032, 0.0156943) |
| Kepulauan Riau | Other communicable diseases                   | 30  | 624.8 (256.0, 1,053.0)     | 0.005834 (0.0023907, 0.0098316) | 482.9 (207.0, 839.0)       | 0.004811 (0.0020625, 0.0083591) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 30  | 169.7 (39.7, 446.2)        | 0.001584 (0.0003711, 0.0041661) | 164.7 (52.5, 369.1)        | 0.001641 (0.0005228, 0.0036772) |
| Kepulauan Riau | Breast cancer                                 | 30  | 2.6 (0.2, 10.4)            | 0.000024 (0.0000018, 0.0000969) | 674.5 (305.9, 1,165.2)     | 0.006720 (0.0030479, 0.0116102) |
| Kepulauan Riau | Cervical cancer                               | 30  |                            |                                 | 281.3 (88.3, 659.1)        | 0.002802 (0.0008802, 0.0065674) |
| Kepulauan Riau | Other malignant neoplasms                     | 30  | 644.7 (365.4, 1,002.7)     | 0.006020 (0.0034122, 0.0093625) | 839.9 (431.6, 1,388.1)     | 0.008369 (0.0043000, 0.0138303) |
| Kepulauan Riau | Cerebrovascular disease                       | 30  | 848.5 (587.1, 1,183.9)     | 0.007923 (0.0054817, 0.0110543) | 1,216.5 (839.4, 1,704.8)   | 0.012121 (0.0083631, 0.0169861) |
| Kepulauan Riau | Ischemic heart disease                        | 30  | 1,331.6 (931.1, 1,804.6)   | 0.012433 (0.0086940, 0.0168499) | 1,117.9 (727.2, 1,611.5)   | 0.011138 (0.0072452, 0.0160564) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 30  | 258.5 (140.0, 457.4)       | 0.002414 (0.0013074, 0.0042706) | 450.9 (246.1, 813.6)       | 0.004492 (0.0024517, 0.0081063) |
| Kepulauan Riau | Diabetes mellitus                             | 30  | 283.7 (180.4, 422.5)       | 0.002649 (0.0016840, 0.0039451) | 457.3 (278.0, 689.9)       | 0.004557 (0.0027700, 0.0068736) |
| Kepulauan Riau | Chronic kidney disease                        | 30  | 518.4 (326.5, 767.7)       | 0.004841 (0.0030490, 0.0071682) | 646.5 (378.8, 999.4)       | 0.006442 (0.0037743, 0.0099582) |
| Kepulauan Riau | Cirrhosis                                     | 30  | 594.5 (361.7, 898.4)       | 0.005551 (0.0033770, 0.0083886) | 469.8 (270.7, 749.4)       | 0.004681 (0.0026968, 0.0074670) |
| Kepulauan Riau | Chronic respiratory diseases                  | 30  | 244.4 (128.3, 428.3)       | 0.002282 (0.0011976, 0.0039991) | 218.8 (104.8, 380.5)       | 0.002180 (0.0010444, 0.0037908) |
| Kepulauan Riau | Other non-communicable diseases               | 30  | 877.2 (598.4, 1,259.2)     | 0.008190 (0.0055875, 0.0117571) | 1,287.1 (834.8, 1,829.0)   | 0.012824 (0.0083178, 0.0182232) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kepulauan Riau | Drowning                                      | 30  | 64.5 (10.8, 215.7)         | 0.000602 (0.0001008, 0.0020141) | 33.5 (5.3, 112.8)          | 0.000333 (0.0000528, 0.0011237) |
| Kepulauan Riau | Falls                                         | 30  | 212.2 (85.2, 424.5)        | 0.001981 (0.0007957, 0.0039634) | 141.5 (54.1, 310.9)        | 0.001409 (0.0005391, 0.0030975) |
| Kepulauan Riau | Interpersonal violence                        | 30  | 40.4 (16.8, 79.2)          | 0.000377 (0.0001573, 0.0007398) | 38.1 (14.2, 79.9)          | 0.000379 (0.0001418, 0.0007957) |
| Kepulauan Riau | Self-harm                                     | 30  | 55.7 (20.7, 116.9)         | 0.000520 (0.0001933, 0.0010915) | 43.5 (15.3, 94.8)          | 0.000434 (0.0001526, 0.0009441) |
| Kepulauan Riau | Transport injuries                            | 30  | 1,252.9 (716.5, 1,857.6)   | 0.011699 (0.0066897, 0.0173444) | 623.8 (308.0, 1,052.7)     | 0.006216 (0.0030687, 0.0104885) |
| Kepulauan Riau | Other unintentional injuries                  | 30  | 214.6 (99.5, 381.6)        | 0.002004 (0.0009288, 0.0035633) | 124.8 (50.0, 254.4)        | 0.001243 (0.0004980, 0.0025344) |
| Kepulauan Riau | Diarrheal diseases                            | 35  | 114.8 (34.6, 259.7)        | 0.001350 (0.0004064, 0.0030543) | 91.7 (30.5, 201.5)         | 0.001270 (0.0004223, 0.0027903) |
| Kepulauan Riau | HIV/AIDS                                      | 35  | 492.7 (158.8, 996.8)       | 0.005795 (0.0018679, 0.0117228) | 237.1 (75.1, 471.7)        | 0.003283 (0.0010400, 0.0065309) |
| Kepulauan Riau | Lower respiratory infections                  | 35  | 77.6 (30.5, 160.1)         | 0.000913 (0.0003581, 0.0018825) | 35.1 (12.5, 74.5)          | 0.000486 (0.0001730, 0.0010319) |
| Kepulauan Riau | Malaria                                       | 35  | 101.1 (4.7, 401.0)         | 0.001189 (0.0000558, 0.0047156) | 49.9 (2.1, 212.0)          | 0.000691 (0.0000285, 0.0029354) |
| Kepulauan Riau | Tuberculosis                                  | 35  | 922.9 (484.5, 1,450.8)     | 0.010854 (0.0056983, 0.0170620) | 335.5 (149.9, 587.5)       | 0.004644 (0.0020758, 0.0081332) |
| Kepulauan Riau | Maternal disorders                            | 35  |                            |                                 | 1,505.9 (983.4, 2,112.2)   | 0.020848 (0.0136144, 0.0292423) |
| Kepulauan Riau | Other communicable diseases                   | 35  | 433.0 (180.4, 740.4)       | 0.005093 (0.0021217, 0.0087073) | 252.9 (110.9, 455.0)       | 0.003502 (0.0015358, 0.0062996) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 35  | 116.8 (26.7, 335.6)        | 0.001373 (0.0003137, 0.0039471) | 173.5 (60.0, 369.5)        | 0.002402 (0.0008312, 0.0051148) |
| Kepulauan Riau | Breast cancer                                 | 35  | 4.2 (0.4, 16.0)            | 0.000049 (0.0000043, 0.0001886) | 734.8 (316.1, 1,286.4)     | 0.010173 (0.0043766, 0.0178101) |
| Kepulauan Riau | Cervical cancer                               | 35  |                            |                                 | 438.2 (133.9, 984.1)       | 0.006066 (0.0018531, 0.0136243) |
| Kepulauan Riau | Other malignant neoplasms                     | 35  | 733.0 (424.1, 1,133.5)     | 0.008621 (0.0049878, 0.0133309) | 708.3 (324.8, 1,234.4)     | 0.009806 (0.0044961, 0.0170895) |
| Kepulauan Riau | Cerebrovascular disease                       | 35  | 1,049.2 (728.1, 1,432.7)   | 0.012339 (0.0085626, 0.0168493) | 1,574.4 (1,071.4, 2,209.6) | 0.021797 (0.0148333, 0.0305900) |
| Kepulauan Riau | Ischemic heart disease                        | 35  | 1,451.1 (1,025.1, 1,951.3) | 0.017065 (0.0120557, 0.0229482) | 1,293.1 (839.5, 1,897.3)   | 0.017902 (0.0116229, 0.0262669) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 35  | 265.7 (143.0, 463.5)       | 0.003124 (0.0016822, 0.0054506) | 462.9 (248.6, 822.4)       | 0.006408 (0.0034421, 0.0113863) |
| Kepulauan Riau | Diabetes mellitus                             | 35  | 422.6 (270.4, 619.6)       | 0.004970 (0.0031798, 0.0072867) | 677.1 (413.7, 1,018.4)     | 0.009374 (0.0057279, 0.0140992) |
| Kepulauan Riau | Chronic kidney disease                        | 35  | 492.9 (311.1, 739.1)       | 0.005797 (0.0036593, 0.0086919) | 602.3 (352.0, 965.8)       | 0.008338 (0.0048737, 0.0133708) |
| Kepulauan Riau | Cirrhosis                                     | 35  | 592.0 (358.6, 910.7)       | 0.006962 (0.0042169, 0.0107102) | 490.0 (271.4, 786.2)       | 0.006784 (0.0037575, 0.0108841) |
| Kepulauan Riau | Chronic respiratory diseases                  | 35  | 255.8 (129.9, 425.0)       | 0.003009 (0.0015273, 0.0049983) | 211.5 (103.6, 370.2)       | 0.002928 (0.0014343, 0.0051256) |
| Kepulauan Riau | Other non-communicable diseases               | 35  | 719.8 (482.4, 1,035.3)     | 0.008465 (0.0056736, 0.0121752) | 1,087.3 (682.6, 1,616.0)   | 0.015053 (0.0094506, 0.0223723) |
| Kepulauan Riau | Drowning                                      | 35  | 64.8 (11.4, 211.8)         | 0.000762 (0.0001336, 0.0024904) | 41.5 (6.7, 130.1)          | 0.000575 (0.0000932, 0.0018007) |
| Kepulauan Riau | Falls                                         | 35  | 174.4 (69.8, 342.4)        | 0.002051 (0.0008213, 0.0040263) | 136.1 (52.3, 285.6)        | 0.001884 (0.0007244, 0.0039540) |
| Kepulauan Riau | Interpersonal violence                        | 35  | 29.0 (11.6, 58.5)          | 0.000342 (0.0001361, 0.0006883) | 27.4 (10.1, 58.6)          | 0.000380 (0.0001400, 0.0008107) |
| Kepulauan Riau | Self-harm                                     | 35  | 43.1 (15.4, 91.0)          | 0.000507 (0.0001806, 0.0010698) | 33.0 (11.2, 71.5)          | 0.000457 (0.0001551, 0.0009893) |
| Kepulauan Riau | Transport injuries                            | 35  | 829.0 (448.9, 1,326.1)     | 0.009749 (0.0052795, 0.0155959) | 454.2 (207.0, 792.5)       | 0.006288 (0.0028655, 0.0109720) |
| Kepulauan Riau | Other unintentional injuries                  | 35  | 166.2 (78.3, 309.1)        | 0.001955 (0.0009214, 0.0036346) | 103.8 (44.3, 218.9)        | 0.001436 (0.0006130, 0.0030312) |
| Kepulauan Riau | Diarrheal diseases                            | 40  | 105.3 (33.5, 242.9)        | 0.001683 (0.0005353, 0.0038830) | 170.1 (63.4, 354.5)        | 0.003685 (0.0013734, 0.0076812) |
| Kepulauan Riau | HIV/AIDS                                      | 40  | 232.1 (68.3, 519.8)        | 0.003710 (0.0010920, 0.0083108) | 224.4 (66.7, 493.0)        | 0.004861 (0.0014450, 0.0106810) |
| Kepulauan Riau | Lower respiratory infections                  | 40  | 68.9 (28.0, 137.5)         | 0.001102 (0.0004471, 0.0021983) | 66.9 (26.0, 133.9)         | 0.001450 (0.0005623, 0.0029003) |
| Kepulauan Riau | Malaria                                       | 40  | 81.6 (4.0, 328.7)          | 0.001305 (0.0000635, 0.0052557) | 75.1 (3.2, 354.4)          | 0.001628 (0.0000701, 0.0076799) |
| Kepulauan Riau | Tuberculosis                                  | 40  | 716.9 (410.3, 1,100.8)     | 0.011462 (0.0065600, 0.0175992) | 501.2 (267.3, 809.8)       | 0.010861 (0.0057915, 0.0175464) |
| Kepulauan Riau | Maternal disorders                            | 40  |                            |                                 | 72.8 (38.0, 124.3)         | 0.001577 (0.0008236, 0.0026936) |
| Kepulauan Riau | Other communicable diseases                   | 40  | 364.2 (145.7, 635.9)       | 0.005823 (0.0023289, 0.0101665) | 444.0 (203.0, 751.4)       | 0.009620 (0.0043974, 0.0162803) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 40  | 175.8 (57.4, 395.3)        | 0.002810 (0.0009182, 0.0063199) | 158.5 (60.5, 316.2)        | 0.003435 (0.0013103, 0.0068504) |
| Kepulauan Riau | Breast cancer                                 | 40  | 7.1 (1.2, 22.5)            | 0.000114 (0.0000196, 0.0003592) | 618.5 (280.5, 1,039.5)     | 0.013401 (0.0060766, 0.0225239) |
| Kepulauan Riau | Cervical cancer                               | 40  |                            |                                 | 368.9 (123.4, 766.2)       | 0.007993 (0.0026733, 0.0166013) |
| Kepulauan Riau | Other malignant neoplasms                     | 40  | 722.1 (413.5, 1,125.2)     | 0.011544 (0.0066113, 0.0179894) | 466.7 (219.4, 801.0)       | 0.010111 (0.0047542, 0.0173556) |
| Kepulauan Riau | Cerebrovascular disease                       | 40  | 1,289.1 (904.8, 1,740.9)   | 0.020610 (0.0144660, 0.0278344) | 1,619.2 (1,127.1, 2,209.8) | 0.035083 (0.0244222, 0.0478799) |
| Kepulauan Riau | Ischemic heart disease                        | 40  | 1,650.3 (1,177.0, 2,227.8) | 0.026386 (0.0188176, 0.0356176) | 1,224.7 (806.1, 1,725.5)   | 0.026536 (0.0174658, 0.0373865) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 40  | 285.0 (155.3, 500.7)       | 0.004557 (0.0024837, 0.0080049) | 401.2 (221.3, 687.8)       | 0.008692 (0.0047939, 0.0149035) |
| Kepulauan Riau | Diabetes mellitus                             | 40  | 670.4 (441.4, 961.2)       | 0.010719 (0.0070578, 0.0153684) | 859.0 (551.3, 1,235.1)     | 0.018613 (0.0119448, 0.0267605) |
| Kepulauan Riau | Chronic kidney disease                        | 40  | 475.4 (305.7, 712.4)       | 0.007601 (0.0048882, 0.0113895) | 457.9 (275.3, 721.7)       | 0.009921 (0.0059641, 0.0156365) |
| Kepulauan Riau | Cirrhosis                                     | 40  | 579.1 (351.5, 905.3)       | 0.009259 (0.0056204, 0.0144740) | 406.2 (228.1, 651.2)       | 0.008801 (0.0049419, 0.0141095) |
| Kepulauan Riau | Chronic respiratory diseases                  | 40  | 250.4 (137.4, 419.8)       | 0.004003 (0.0021967, 0.0067115) | 168.9 (86.0, 287.9)        | 0.003660 (0.0018630, 0.0062391) |
| Kepulauan Riau | Other non-communicable diseases               | 40  | 602.2 (409.1, 885.7)       | 0.009628 (0.0065408, 0.0141605) | 753.1 (483.3, 1,115.2)     | 0.016318 (0.0104719, 0.0241637) |
| Kepulauan Riau | Drowning                                      | 40  | 29.9 (4.7, 111.5)          | 0.000479 (0.0000748, 0.0017826) | 18.6 (2.7, 64.9)           | 0.000404 (0.0000584, 0.0014054) |
| Kepulauan Riau | Falls                                         | 40  | 127.7 (50.3, 266.4)        | 0.002041 (0.0008042, 0.0042596) | 91.7 (35.7, 196.4)         | 0.001986 (0.0007738, 0.0042545) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kepulauan Riau | Interpersonal violence                        | 40  | 16.9 (6.5, 35.1)           | 0.000271 (0.0001033, 0.0005607) | 12.4 (4.4, 27.3)           | 0.000269 (0.0000953, 0.0005922) |
| Kepulauan Riau | Self-harm                                     | 40  | 28.0 (10.3, 59.6)          | 0.000448 (0.0001642, 0.0009530) | 16.2 (5.5, 35.5)           | 0.000352 (0.0001191, 0.0007696) |
| Kepulauan Riau | Transport injuries                            | 40  | 539.8 (276.5, 892.4)       | 0.008631 (0.0044207, 0.0142683) | 257.1 (118.6, 445.6)       | 0.005571 (0.0025706, 0.0096552) |
| Kepulauan Riau | Other unintentional injuries                  | 40  | 104.3 (45.0, 194.5)        | 0.001668 (0.0007199, 0.0031098) | 54.5 (21.1, 114.8)         | 0.001182 (0.0004579, 0.0024870) |
| Kepulauan Riau | Diarrheal diseases                            | 45  | 81.8 (26.6, 194.0)         | 0.002025 (0.0006593, 0.0048065) | 159.2 (57.8, 339.6)        | 0.004847 (0.0017607, 0.0103393) |
| Kepulauan Riau | HIV/AIDS                                      | 45  | 89.5 (22.0, 231.8)         | 0.002217 (0.0005453, 0.0057414) | 118.1 (31.8, 293.3)        | 0.003597 (0.0009676, 0.0089285) |
| Kepulauan Riau | Lower respiratory infections                  | 45  | 62.8 (25.6, 126.8)         | 0.001556 (0.0006350, 0.0031403) | 85.5 (34.4, 169.2)         | 0.002602 (0.0010475, 0.0051512) |
| Kepulauan Riau | Malaria                                       | 45  | 53.4 (2.2, 212.6)          | 0.001322 (0.0000541, 0.0052666) | 55.4 (2.2, 243.7)          | 0.001687 (0.0000657, 0.0074190) |
| Kepulauan Riau | Tuberculosis                                  | 45  | 551.3 (331.9, 834.6)       | 0.013655 (0.0082202, 0.0206721) | 495.0 (287.3, 766.9)       | 0.015070 (0.0087482, 0.0233465) |
| Kepulauan Riau | Maternal disorders                            | 45  |                            |                                 | 28.0 (12.1, 54.8)          | 0.000851 (0.0003682, 0.0016684) |
| Kepulauan Riau | Other communicable diseases                   | 45  | 247.6 (98.2, 431.8)        | 0.006134 (0.0024325, 0.0106966) | 372.2 (173.4, 615.3)       | 0.011333 (0.0052778, 0.0187336) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 45  | 259.1 (127.4, 463.6)       | 0.006418 (0.0031562, 0.0114841) | 171.9 (75.0, 319.0)        | 0.005234 (0.0022847, 0.0097103) |
| Kepulauan Riau | Breast cancer                                 | 45  | 6.4 (1.7, 17.0)            | 0.000159 (0.0000410, 0.0004215) | 419.3 (184.3, 722.6)       | 0.012767 (0.0056110, 0.0219990) |
| Kepulauan Riau | Cervical cancer                               | 45  |                            |                                 | 351.9 (130.7, 713.5)       | 0.010714 (0.0039793, 0.0217237) |
| Kepulauan Riau | Other malignant neoplasms                     | 45  | 405.2 (227.5, 645.0)       | 0.010037 (0.0056359, 0.0159774) | 302.7 (138.2, 537.9)       | 0.009216 (0.0042078, 0.0163748) |
| Kepulauan Riau | Cerebrovascular disease                       | 45  | 1,201.2 (842.3, 1,656.2)   | 0.029754 (0.0208641, 0.0410234) | 1,876.1 (1,366.6, 2,492.5) | 0.057116 (0.0416055, 0.0758840) |
| Kepulauan Riau | Ischemic heart disease                        | 45  | 1,424.5 (1,008.4, 1,960.6) | 0.035283 (0.0249784, 0.0485631) | 1,270.8 (856.3, 1,737.7)   | 0.038690 (0.0260694, 0.0529030) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 45  | 231.5 (125.5, 405.1)       | 0.005735 (0.0031093, 0.0100332) | 404.1 (224.6, 681.7)       | 0.012301 (0.0068388, 0.0207535) |
| Kepulauan Riau | Diabetes mellitus                             | 45  | 704.9 (474.0, 1,001.3)     | 0.017459 (0.0117417, 0.0248004) | 1,097.0 (743.7, 1,525.3)   | 0.033398 (0.0226429, 0.0464361) |
| Kepulauan Riau | Chronic kidney disease                        | 45  | 334.9 (212.4, 504.6)       | 0.008294 (0.0052616, 0.0124974) | 388.5 (235.8, 606.9)       | 0.011828 (0.0071803, 0.0184779) |
| Kepulauan Riau | Cirrhosis                                     | 45  | 406.8 (238.7, 653.0)       | 0.010077 (0.0059123, 0.0161756) | 362.1 (213.7, 566.8)       | 0.011023 (0.0065075, 0.0172562) |
| Kepulauan Riau | Chronic respiratory diseases                  | 45  | 190.8 (106.7, 307.6)       | 0.004727 (0.0026418, 0.0076199) | 187.3 (103.1, 300.1)       | 0.005703 (0.0031377, 0.0091374) |
| Kepulauan Riau | Other non-communicable diseases               | 45  | 393.1 (264.8, 588.1)       | 0.009738 (0.0065580, 0.0145662) | 613.7 (390.5, 903.3)       | 0.018684 (0.0118882, 0.0275012) |
| Kepulauan Riau | Drowning                                      | 45  | 15.3 (2.2, 58.4)           | 0.000380 (0.0000543, 0.0014475) | 13.1 (1.8, 46.8)           | 0.000398 (0.0000541, 0.0014243) |
| Kepulauan Riau | Falls                                         | 45  | 102.7 (41.8, 216.1)        | 0.002544 (0.0010353, 0.0053536) | 96.5 (39.2, 205.6)         | 0.002939 (0.0011934, 0.0062606) |
| Kepulauan Riau | Interpersonal violence                        | 45  | 9.5 (3.5, 19.8)            | 0.000235 (0.0000876, 0.0004902) | 8.0 (2.8, 17.5)            | 0.000245 (0.0000867, 0.0005317) |
| Kepulauan Riau | Self-harm                                     | 45  | 17.6 (6.1, 38.0)           | 0.000435 (0.0001511, 0.0009418) | 11.5 (3.8, 25.9)           | 0.000350 (0.0001168, 0.0007874) |
| Kepulauan Riau | Transport injuries                            | 45  | 381.4 (195.3, 631.8)       | 0.009446 (0.0048376, 0.0156484) | 228.7 (101.1, 404.2)       | 0.006963 (0.0030779, 0.0123042) |
| Kepulauan Riau | Other unintentional injuries                  | 45  | 66.6 (29.1, 129.6)         | 0.001649 (0.0007200, 0.0032111) | 42.5 (16.8, 87.5)          | 0.001294 (0.0005123, 0.0026636) |
| Kepulauan Riau | Diarrheal diseases                            | 50  | 108.3 (38.0, 237.1)        | 0.003622 (0.0012704, 0.0079276) | 181.6 (72.9, 352.9)        | 0.007553 (0.0030326, 0.0146727) |
| Kepulauan Riau | HIV/AIDS                                      | 50  | 34.9 (7.6, 97.7)           | 0.001166 (0.0002537, 0.0032649) | 47.2 (10.9, 132.1)         | 0.001961 (0.0004530, 0.0054907) |
| Kepulauan Riau | Lower respiratory infections                  | 50  | 73.3 (29.5, 145.0)         | 0.002450 (0.0009863, 0.0048465) | 105.1 (44.0, 198.5)        | 0.004368 (0.0018278, 0.0082520) |
| Kepulauan Riau | Malaria                                       | 50  | 51.2 (2.0, 210.8)          | 0.001713 (0.0000659, 0.0070459) | 44.7 (1.5, 202.8)          | 0.001860 (0.0000643, 0.0084322) |
| Kepulauan Riau | Tuberculosis                                  | 50  | 494.8 (289.6, 761.7)       | 0.016542 (0.0096820, 0.0254636) | 461.3 (278.1, 713.4)       | 0.019180 (0.0115632, 0.0296634) |
| Kepulauan Riau | Maternal disorders                            | 50  |                            |                                 | 11.9 (3.5, 28.2)           | 0.000493 (0.0001445, 0.0011741) |
| Kepulauan Riau | Other communicable diseases                   | 50  | 259.3 (107.0, 455.6)       | 0.008669 (0.0035767, 0.0152331) | 337.7 (161.3, 572.0)       | 0.014041 (0.0067080, 0.0237835) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 50  | 346.0 (176.1, 580.9)       | 0.011569 (0.0058889, 0.0194203) | 161.7 (75.2, 303.7)        | 0.006724 (0.0031255, 0.0126272) |
| Kepulauan Riau | Breast cancer                                 | 50  | 6.3 (1.8, 15.6)            | 0.000212 (0.0000587, 0.0005227) | 271.5 (111.0, 484.8)       | 0.011287 (0.0046137, 0.0201570) |
| Kepulauan Riau | Cervical cancer                               | 50  |                            |                                 | 292.5 (112.4, 579.3)       | 0.012160 (0.0046739, 0.0240860) |
| Kepulauan Riau | Other malignant neoplasms                     | 50  | 341.3 (189.5, 554.1)       | 0.011409 (0.0063365, 0.0185260) | 232.8 (103.2, 431.3)       | 0.009680 (0.0042901, 0.0179321) |
| Kepulauan Riau | Cerebrovascular disease                       | 50  | 1,379.4 (996.9, 1,907.8)   | 0.046115 (0.0333287, 0.0637820) | 2,065.2 (1,521.0, 2,687.6) | 0.085866 (0.0632392, 0.1117442) |
| Kepulauan Riau | Ischemic heart disease                        | 50  | 1,350.7 (937.9, 1,853.1)   | 0.045157 (0.0313563, 0.0619515) | 1,211.8 (826.5, 1,660.3)   | 0.050386 (0.0343644, 0.0690306) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 50  | 266.2 (145.8, 455.0)       | 0.008901 (0.0048735, 0.0152109) | 431.1 (239.5, 713.5)       | 0.017925 (0.0099592, 0.0296677) |
| Kepulauan Riau | Diabetes mellitus                             | 50  | 790.2 (534.3, 1,102.1)     | 0.026417 (0.0178629, 0.0368458) | 1,181.9 (812.1, 1,605.5)   | 0.049141 (0.0337634, 0.0667541) |
| Kepulauan Riau | Chronic kidney disease                        | 50  | 292.8 (186.3, 442.3)       | 0.009790 (0.0062295, 0.0147857) | 326.3 (197.6, 511.5)       | 0.013569 (0.0082170, 0.0212650) |
| Kepulauan Riau | Cirrhosis                                     | 50  | 374.9 (219.2, 601.7)       | 0.012535 (0.0073279, 0.0201155) | 324.8 (191.5, 505.6)       | 0.013505 (0.0079634, 0.0210237) |
| Kepulauan Riau | Chronic respiratory diseases                  | 50  | 213.7 (118.6, 351.6)       | 0.007144 (0.0039636, 0.0117554) | 222.4 (128.1, 346.3)       | 0.009247 (0.0053274, 0.0143991) |
| Kepulauan Riau | Other non-communicable diseases               | 50  | 359.7 (237.4, 543.8)       | 0.012025 (0.0079384, 0.0181798) | 532.5 (337.9, 766.8)       | 0.022140 (0.0140493, 0.0318831) |
| Kepulauan Riau | Drowning                                      | 50  | 10.4 (1.5, 38.3)           | 0.000348 (0.0000500, 0.0012819) | 8.5 (1.2, 29.0)            | 0.000354 (0.0000504, 0.0012041) |
| Kepulauan Riau | Falls                                         | 50  | 104.9 (42.2, 210.9)        | 0.003507 (0.0014106, 0.0070502) | 93.0 (38.5, 183.7)         | 0.003867 (0.0015989, 0.0076374) |
| Kepulauan Riau | Interpersonal violence                        | 50  | 5.9 (2.2, 12.2)            | 0.000196 (0.0000740, 0.0004077) | 4.6 (1.6, 10.2)            | 0.000191 (0.0000651, 0.0004258) |
| Kepulauan Riau | Self-harm                                     | 50  | 11.9 (4.3, 25.8)           | 0.000398 (0.0001443, 0.0008609) | 7.1 (2.3, 16.1)            | 0.000295 (0.0000976, 0.0006686) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kepulauan Riau | Transport injuries                            | 50  | 262.4 (127.4, 448.3)     | 0.008772 (0.0042593, 0.0149877) | 146.1 (63.3, 257.1)        | 0.006073 (0.0026314, 0.0106890) |
| Kepulauan Riau | Other unintentional injuries                  | 50  | 45.9 (20.4, 90.1)        | 0.001534 (0.0006836, 0.0030108) | 27.1 (10.9, 58.5)          | 0.001127 (0.0004534, 0.0024315) |
| Kepulauan Riau | Diarrheal diseases                            | 55  | 94.1 (33.8, 194.3)       | 0.004851 (0.0017442, 0.0100162) | 178.4 (73.3, 339.0)        | 0.010056 (0.0041330, 0.0191097) |
| Kepulauan Riau | HIV/AIDS                                      | 55  | 12.1 (2.3, 35.1)         | 0.000625 (0.0001168, 0.0018106) | 18.6 (4.0, 54.5)           | 0.001050 (0.0002231, 0.0030717) |
| Kepulauan Riau | Lower respiratory infections                  | 55  | 64.9 (27.3, 127.9)       | 0.003348 (0.0014045, 0.0065905) | 104.3 (45.5, 197.5)        | 0.005880 (0.0025647, 0.0111344) |
| Kepulauan Riau | Malaria                                       | 55  | 38.9 (1.6, 160.7)        | 0.002004 (0.0000811, 0.0082844) | 39.4 (1.3, 184.8)          | 0.002219 (0.0000738, 0.0104160) |
| Kepulauan Riau | Tuberculosis                                  | 55  | 353.0 (207.4, 557.4)     | 0.018194 (0.0106885, 0.0287282) | 379.8 (226.8, 590.2)       | 0.021411 (0.0127870, 0.0332689) |
| Kepulauan Riau | Other communicable diseases                   | 55  | 201.8 (84.9, 364.0)      | 0.010399 (0.0043753, 0.0187600) | 294.5 (140.2, 502.1)       | 0.016602 (0.0079009, 0.0283030) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 55  | 254.1 (130.4, 436.8)     | 0.013096 (0.0067222, 0.0225153) | 132.5 (58.2, 252.5)        | 0.007472 (0.0032819, 0.0142353) |
| Kepulauan Riau | Breast cancer                                 | 55  | 4.7 (1.2, 11.4)          | 0.000242 (0.0000642, 0.0005877) | 181.4 (70.3, 343.0)        | 0.010228 (0.0039609, 0.0193384) |
| Kepulauan Riau | Cervical cancer                               | 55  |                          |                                 | 193.1 (69.3, 388.7)        | 0.010885 (0.0039043, 0.0219099) |
| Kepulauan Riau | Other malignant neoplasms                     | 55  | 202.6 (108.9, 339.7)     | 0.010442 (0.0056134, 0.0175065) | 180.4 (79.3, 323.9)        | 0.010168 (0.0044703, 0.0182609) |
| Kepulauan Riau | Cerebrovascular disease                       | 55  | 1,298.0 (927.7, 1,833.1) | 0.066899 (0.0478177, 0.0944799) | 2,204.6 (1,657.5, 2,858.7) | 0.124277 (0.0934398, 0.1611540) |
| Kepulauan Riau | Ischemic heart disease                        | 55  | 1,216.3 (842.7, 1,677.8) | 0.062689 (0.0434345, 0.0864787) | 1,268.7 (874.1, 1,716.2)   | 0.071522 (0.0492767, 0.0967454) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 55  | 238.0 (127.6, 404.4)     | 0.012268 (0.0065744, 0.0208440) | 442.1 (247.2, 737.2)       | 0.024920 (0.0139360, 0.0415604) |
| Kepulauan Riau | Diabetes mellitus                             | 55  | 669.6 (452.1, 942.8)     | 0.034510 (0.0233010, 0.0485950) | 1,155.4 (798.8, 1,568.3)   | 0.065131 (0.0450326, 0.0884112) |
| Kepulauan Riau | Chronic kidney disease                        | 55  | 223.1 (143.7, 339.6)     | 0.011498 (0.0074052, 0.0175030) | 288.9 (175.1, 460.9)       | 0.016286 (0.0098689, 0.0259809) |
| Kepulauan Riau | Cirrhosis                                     | 55  | 278.3 (161.9, 448.2)     | 0.014342 (0.0083443, 0.0231009) | 274.0 (164.1, 426.5)       | 0.015445 (0.0092495, 0.0240424) |
| Kepulauan Riau | Chronic respiratory diseases                  | 55  | 192.1 (107.0, 309.0)     | 0.009899 (0.0055171, 0.0159261) | 227.8 (137.3, 349.8)       | 0.012844 (0.0077412, 0.0197194) |
| Kepulauan Riau | Other non-communicable diseases               | 55  | 299.0 (199.6, 447.4)     | 0.015410 (0.0102883, 0.0230611) | 506.4 (323.4, 724.8)       | 0.028547 (0.0182303, 0.0408564) |
| Kepulauan Riau | Drowning                                      | 55  | 6.6 (0.9, 25.5)          | 0.000338 (0.0000475, 0.0013126) | 5.6 (0.7, 19.6)            | 0.000316 (0.0000413, 0.0011061) |
| Kepulauan Riau | Falls                                         | 55  | 93.4 (38.7, 181.3)       | 0.004813 (0.0019939, 0.0093446) | 87.4 (37.6, 168.4)         | 0.004930 (0.0021211, 0.0094914) |
| Kepulauan Riau | Interpersonal violence                        | 55  | 3.4 (1.2, 7.4)           | 0.000176 (0.0000637, 0.0003837) | 2.9 (1.0, 6.4)             | 0.000166 (0.0000542, 0.0003604) |
| Kepulauan Riau | Self-harm                                     | 55  | 7.8 (2.6, 17.3)          | 0.000401 (0.0001320, 0.0008931) | 5.2 (1.7, 11.9)            | 0.000292 (0.0000934, 0.0006733) |
| Kepulauan Riau | Transport injuries                            | 55  | 142.2 (63.3, 257.5)      | 0.007332 (0.0032609, 0.0132738) | 84.4 (34.4, 162.5)         | 0.004756 (0.0019412, 0.0091625) |
| Kepulauan Riau | Other unintentional injuries                  | 55  | 29.3 (12.3, 56.7)        | 0.001511 (0.0006344, 0.0029239) | 18.8 (7.3, 39.5)           | 0.001060 (0.0004095, 0.0022255) |
| Kepulauan Riau | Diarrheal diseases                            | 60  | 92.2 (33.4, 187.0)       | 0.007663 (0.0027741, 0.0155380) | 167.2 (71.4, 304.9)        | 0.014217 (0.0060744, 0.0259247) |
| Kepulauan Riau | HIV/AIDS                                      | 60  | 7.6 (1.4, 23.0)          | 0.000633 (0.0001143, 0.0019091) | 11.0 (2.2, 32.7)           | 0.000934 (0.0001850, 0.0027784) |
| Kepulauan Riau | Lower respiratory infections                  | 60  | 81.1 (34.0, 150.7)       | 0.006740 (0.0028287, 0.0125269) | 129.9 (60.2, 233.4)        | 0.011047 (0.0051182, 0.0198471) |
| Kepulauan Riau | Malaria                                       | 60  | 34.1 (1.4, 139.1)        | 0.002837 (0.0001145, 0.0115633) | 31.4 (1.1, 153.9)          | 0.002666 (0.0000901, 0.0130858) |
| Kepulauan Riau | Tuberculosis                                  | 60  | 370.5 (220.1, 568.5)     | 0.030788 (0.0182948, 0.0472426) | 375.9 (227.5, 575.2)       | 0.031969 (0.0193462, 0.0489174) |
| Kepulauan Riau | Other communicable diseases                   | 60  | 144.9 (57.0, 274.4)      | 0.012041 (0.0047357, 0.0228059) | 206.7 (92.0, 366.1)        | 0.017580 (0.0078262, 0.0311327) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 60  | 223.7 (113.5, 384.1)     | 0.018590 (0.0094295, 0.0319183) | 105.2 (45.0, 196.9)        | 0.008948 (0.0038247, 0.0167470) |
| Kepulauan Riau | Breast cancer                                 | 60  | 3.5 (0.8, 8.8)           | 0.000294 (0.0000652, 0.0007308) | 95.2 (34.1, 184.9)         | 0.008095 (0.0029032, 0.0157247) |
| Kepulauan Riau | Cervical cancer                               | 60  |                          |                                 | 123.6 (43.1, 241.8)        | 0.010511 (0.0036659, 0.0205628) |
| Kepulauan Riau | Other malignant neoplasms                     | 60  | 162.4 (88.6, 270.6)      | 0.013495 (0.0073664, 0.0224847) | 134.6 (61.4, 235.6)        | 0.011449 (0.0052190, 0.0200374) |
| Kepulauan Riau | Cerebrovascular disease                       | 60  | 1,248.5 (909.0, 1,746.9) | 0.103753 (0.0755387, 0.1451735) | 2,006.0 (1,541.1, 2,556.7) | 0.170593 (0.1310594, 0.2174247) |
| Kepulauan Riau | Ischemic heart disease                        | 60  | 1,047.4 (730.6, 1,427.2) | 0.087039 (0.0607170, 0.1186024) | 1,088.3 (762.1, 1,485.7)   | 0.092551 (0.0648057, 0.1263410) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 60  | 231.0 (126.0, 393.4)     | 0.019194 (0.0104749, 0.0326902) | 381.6 (213.6, 623.6)       | 0.032450 (0.0181657, 0.0530305) |
| Kepulauan Riau | Diabetes mellitus                             | 60  | 524.2 (354.5, 744.8)     | 0.043565 (0.0294628, 0.0618984) | 843.8 (589.0, 1,140.7)     | 0.071759 (0.0500868, 0.0970058) |
| Kepulauan Riau | Chronic kidney disease                        | 60  | 178.3 (114.0, 274.4)     | 0.014820 (0.0094724, 0.0228046) | 211.0 (127.9, 327.0)       | 0.017945 (0.0108790, 0.0278060) |
| Kepulauan Riau | Cirrhosis                                     | 60  | 210.8 (122.4, 339.5)     | 0.017518 (0.0101702, 0.0282147) | 199.4 (119.7, 313.8)       | 0.016960 (0.0101804, 0.0266889) |
| Kepulauan Riau | Chronic respiratory diseases                  | 60  | 258.6 (152.7, 402.5)     | 0.021495 (0.0126897, 0.0334471) | 258.7 (156.3, 387.7)       | 0.021999 (0.0132891, 0.0329719) |
| Kepulauan Riau | Other non-communicable diseases               | 60  | 296.1 (197.2, 438.4)     | 0.024610 (0.0163874, 0.0364348) | 462.1 (302.8, 645.0)       | 0.039296 (0.0257466, 0.0548505) |
| Kepulauan Riau | Drowning                                      | 60  | 4.2 (0.6, 15.3)          | 0.000352 (0.0000466, 0.0012697) | 3.8 (0.4, 14.3)            | 0.000326 (0.0000364, 0.0012136) |
| Kepulauan Riau | Falls                                         | 60  | 67.7 (28.7, 133.0)       | 0.005623 (0.0023887, 0.0110549) | 63.7 (27.7, 122.8)         | 0.005415 (0.0023557, 0.0104431) |
| Kepulauan Riau | Interpersonal violence                        | 60  | 2.0 (0.7, 4.6)           | 0.000163 (0.0000563, 0.0003857) | 1.5 (0.5, 3.7)             | 0.000129 (0.0000416, 0.0003185) |
| Kepulauan Riau | Self-harm                                     | 60  | 5.0 (1.7, 12.0)          | 0.000417 (0.0001425, 0.0009991) | 2.9 (0.9, 7.0)             | 0.000249 (0.0000773, 0.0005917) |
| Kepulauan Riau | Transport injuries                            | 60  | 101.3 (45.5, 190.4)      | 0.008418 (0.0037796, 0.0158225) | 58.5 (23.4, 113.4)         | 0.004975 (0.0019912, 0.0096419) |
| Kepulauan Riau | Other unintentional injuries                  | 60  | 20.0 (8.2, 39.4)         | 0.001658 (0.0006829, 0.0032737) | 12.1 (4.6, 25.5)           | 0.001026 (0.0003914, 0.0021676) |
| Kepulauan Riau | Diarrheal diseases                            | 65  | 126.9 (52.7, 238.4)      | 0.014361 (0.0059668, 0.0269742) | 220.0 (107.9, 376.6)       | 0.026963 (0.0132214, 0.0461528) |
| Kepulauan Riau | HIV/AIDS                                      | 65  | 6.2 (1.1, 18.2)          | 0.000700 (0.0001253, 0.0020615) | 8.6 (1.7, 25.7)            | 0.001050 (0.0002026, 0.0031450) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kepulauan Riau | Lower respiratory infections                  | 65  | 81.1 (35.3, 152.0)       | 0.009173 (0.0039900, 0.0171974) | 126.3 (60.4, 222.7)        | 0.015477 (0.0073980, 0.0272971) |
| Kepulauan Riau | Malaria                                       | 65  | 30.1 (1.2, 132.5)        | 0.003405 (0.0001319, 0.0149942) | 25.6 (0.9, 130.9)          | 0.003138 (0.0001064, 0.0160469) |
| Kepulauan Riau | Tuberculosis                                  | 65  | 326.5 (191.0, 514.1)     | 0.036941 (0.0216144, 0.0581760) | 311.9 (188.9, 477.2)       | 0.038233 (0.0231501, 0.0584933) |
| Kepulauan Riau | Other communicable diseases                   | 65  | 120.4 (47.3, 228.2)      | 0.013623 (0.0053467, 0.0258235) | 166.2 (67.2, 305.7)        | 0.020369 (0.0082305, 0.0374724) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 65  | 169.2 (82.7, 298.0)      | 0.019148 (0.0093554, 0.0337211) | 70.1 (30.0, 133.4)         | 0.008587 (0.0036730, 0.0163548) |
| Kepulauan Riau | Breast cancer                                 | 65  | 2.1 (0.5, 5.6)           | 0.000242 (0.0000518, 0.0006368) | 55.5 (21.1, 107.9)         | 0.006798 (0.0025820, 0.0132284) |
| Kepulauan Riau | Cervical cancer                               | 65  |                          |                                 | 76.5 (25.0, 161.6)         | 0.009375 (0.0030654, 0.0198015) |
| Kepulauan Riau | Other malignant neoplasms                     | 65  | 110.8 (59.5, 187.9)      | 0.012540 (0.0067301, 0.0212602) | 106.2 (47.9, 182.8)        | 0.013017 (0.0058658, 0.0224028) |
| Kepulauan Riau | Cerebrovascular disease                       | 65  | 1,144.6 (847.1, 1,604.0) | 0.129515 (0.0958482, 0.1814962) | 1,803.4 (1,400.3, 2,266.9) | 0.221039 (0.1716303, 0.2778496) |
| Kepulauan Riau | Ischemic heart disease                        | 65  | 893.3 (616.8, 1,234.4)   | 0.101080 (0.0697973, 0.1396793) | 900.2 (635.0, 1,214.4)     | 0.110339 (0.0778313, 0.1488406) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 65  | 223.9 (121.3, 378.3)     | 0.025332 (0.0137258, 0.0428072) | 360.4 (207.7, 580.1)       | 0.044167 (0.0254542, 0.0710966) |
| Kepulauan Riau | Diabetes mellitus                             | 65  | 369.3 (248.3, 523.7)     | 0.041787 (0.0280952, 0.0592535) | 587.3 (401.8, 800.1)       | 0.071986 (0.0492491, 0.0980609) |
| Kepulauan Riau | Chronic kidney disease                        | 65  | 145.0 (90.8, 225.6)      | 0.016408 (0.0102761, 0.0255298) | 167.3 (100.7, 254.0)       | 0.020509 (0.0123401, 0.0311285) |
| Kepulauan Riau | Cirrhosis                                     | 65  | 145.1 (83.4, 237.8)      | 0.016419 (0.0094355, 0.0269104) | 136.7 (80.9, 217.1)        | 0.016758 (0.0099157, 0.0266123) |
| Kepulauan Riau | Chronic respiratory diseases                  | 65  | 263.9 (160.7, 409.4)     | 0.029861 (0.0181892, 0.0463302) | 255.0 (155.4, 374.7)       | 0.031259 (0.0190481, 0.0459307) |
| Kepulauan Riau | Other non-communicable diseases               | 65  | 292.6 (196.2, 442.0)     | 0.033112 (0.0222017, 0.0500190) | 447.0 (305.1, 626.0)       | 0.054782 (0.0373966, 0.0767278) |
| Kepulauan Riau | Drowning                                      | 65  | 2.9 (0.3, 9.9)           | 0.000329 (0.0000394, 0.0011220) | 2.7 (0.3, 9.9)             | 0.000325 (0.0000332, 0.0012147) |
| Kepulauan Riau | Falls                                         | 65  | 58.8 (24.4, 119.4)       | 0.006654 (0.0027594, 0.0135106) | 54.5 (25.0, 104.1)         | 0.006684 (0.0030605, 0.0127636) |
| Kepulauan Riau | Interpersonal violence                        | 65  | 1.2 (0.4, 3.1)           | 0.000140 (0.0000450, 0.0003463) | 0.9 (0.3, 2.4)             | 0.000110 (0.0000309, 0.0002894) |
| Kepulauan Riau | Self-harm                                     | 65  | 3.6 (1.2, 8.4)           | 0.000409 (0.0001406, 0.0009540) | 2.0 (0.6, 4.7)             | 0.000240 (0.0000744, 0.0005742) |
| Kepulauan Riau | Transport injuries                            | 65  | 69.8 (28.7, 132.5)       | 0.007893 (0.0032442, 0.0149959) | 39.1 (14.9, 76.3)          | 0.004797 (0.0018304, 0.0093507) |
| Kepulauan Riau | Other unintentional injuries                  | 65  | 14.9 (6.1, 29.4)         | 0.001690 (0.0006877, 0.0033230) | 8.6 (3.3, 18.6)            | 0.001059 (0.0003990, 0.0022796) |
| Kepulauan Riau | Diarrheal diseases                            | 70  | 127.8 (60.1, 225.7)      | 0.025002 (0.0117482, 0.0441312) | 231.1 (124.3, 375.7)       | 0.045788 (0.0246325, 0.0744545) |
| Kepulauan Riau | HIV/AIDS                                      | 70  | 6.1 (1.1, 17.1)          | 0.001188 (0.0002111, 0.0033535) | 8.6 (1.7, 25.5)            | 0.001708 (0.0003357, 0.0050553) |
| Kepulauan Riau | Lower respiratory infections                  | 70  | 76.4 (34.0, 140.1)       | 0.014935 (0.0066511, 0.0273960) | 127.6 (59.9, 216.7)        | 0.025294 (0.0118677, 0.0429505) |
| Kepulauan Riau | Malaria                                       | 70  | 20.7 (0.8, 100.7)        | 0.004042 (0.0001587, 0.0196944) | 17.5 (0.5, 95.8)           | 0.003459 (0.0001070, 0.0189858) |
| Kepulauan Riau | Tuberculosis                                  | 70  | 244.7 (144.8, 378.3)     | 0.047865 (0.0283257, 0.0739814) | 243.0 (145.9, 368.8)       | 0.048155 (0.0289141, 0.0730751) |
| Kepulauan Riau | Other communicable diseases                   | 70  | 91.3 (37.1, 174.1)       | 0.017848 (0.0072522, 0.0340461) | 133.1 (56.7, 248.2)        | 0.026379 (0.0112284, 0.0491936) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer           | 70  | 102.2 (47.5, 183.6)      | 0.019996 (0.0092803, 0.0359107) | 45.9 (18.7, 92.2)          | 0.009097 (0.0037122, 0.0182764) |
| Kepulauan Riau | Breast cancer                                 | 70  | 1.1 (0.2, 3.0)           | 0.000210 (0.0000411, 0.0005938) | 26.1 (9.1, 52.0)           | 0.005168 (0.0018066, 0.0103117) |
| Kepulauan Riau | Cervical cancer                               | 70  |                          |                                 | 37.7 (12.2, 84.5)          | 0.007470 (0.0024195, 0.0167492) |
| Kepulauan Riau | Other malignant neoplasms                     | 70  | 63.8 (34.3, 112.2)       | 0.012470 (0.0067003, 0.0219449) | 66.3 (29.7, 111.2)         | 0.013143 (0.0058828, 0.0220442) |
| Kepulauan Riau | Cerebrovascular disease                       | 70  | 864.3 (637.2, 1,217.7)   | 0.169030 (0.1246080, 0.2381457) | 1,467.0 (1,149.8, 1,836.2) | 0.290717 (0.2278613, 0.3638861) |
| Kepulauan Riau | Ischemic heart disease                        | 70  | 629.8 (437.8, 880.3)     | 0.123167 (0.0856145, 0.1721694) | 710.1 (504.6, 954.6)       | 0.140725 (0.0999929, 0.1891719) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases | 70  | 182.5 (99.6, 304.9)      | 0.035691 (0.0194844, 0.0596378) | 303.4 (178.1, 490.1)       | 0.060134 (0.0353021, 0.0971234) |
| Kepulauan Riau | Diabetes mellitus                             | 70  | 203.8 (136.7, 298.4)     | 0.039867 (0.0267326, 0.0583624) | 347.0 (239.9, 483.6)       | 0.068764 (0.0475453, 0.0958321) |
| Kepulauan Riau | Chronic kidney disease                        | 70  | 93.1 (58.5, 145.4)       | 0.018210 (0.0114338, 0.0284401) | 113.3 (68.0, 172.3)        | 0.022450 (0.0134686, 0.0341399) |
| Kepulauan Riau | Cirrhosis                                     | 70  | 89.7 (51.7, 148.0)       | 0.017540 (0.0101040, 0.0289401) | 91.8 (54.7, 142.8)         | 0.018187 (0.0108313, 0.0282964) |
| Kepulauan Riau | Chronic respiratory diseases                  | 70  | 258.5 (163.7, 385.5)     | 0.050552 (0.0320160, 0.0753944) | 245.0 (154.5, 358.7)       | 0.048553 (0.0306165, 0.0710794) |
| Kepulauan Riau | Other non-communicable diseases               | 70  | 239.8 (163.9, 355.9)     | 0.046895 (0.0320456, 0.0696055) | 387.4 (262.3, 530.5)       | 0.076761 (0.0519773, 0.1051213) |
| Kepulauan Riau | Drowning                                      | 70  | 3.3 (0.4, 12.1)          | 0.000646 (0.0000879, 0.0023731) | 3.3 (0.4, 10.9)            | 0.000660 (0.0000835, 0.0021541) |
| Kepulauan Riau | Falls                                         | 70  | 44.2 (19.0, 87.7)        | 0.008636 (0.0037084, 0.0171612) | 44.8 (21.0, 84.2)          | 0.008876 (0.0041527, 0.0166901) |
| Kepulauan Riau | Interpersonal violence                        | 70  | 0.6 (0.2, 1.5)           | 0.000119 (0.0000348, 0.0002976) | 0.5 (0.1, 1.2)             | 0.000090 (0.0000244, 0.0002442) |
| Kepulauan Riau | Self-harm                                     | 70  | 2.1 (0.7, 5.0)           | 0.000413 (0.0001339, 0.0009860) | 1.2 (0.3, 2.8)             | 0.000229 (0.0000669, 0.0005502) |
| Kepulauan Riau | Transport injuries                            | 70  | 45.3 (19.0, 84.0)        | 0.008853 (0.0037115, 0.0164303) | 27.3 (10.3, 55.3)          | 0.005407 (0.0020442, 0.0109501) |
| Kepulauan Riau | Other unintentional injuries                  | 70  | 9.9 (4.2, 19.9)          | 0.001943 (0.0008133, 0.0038966) | 6.1 (2.3, 13.1)            | 0.001201 (0.0004587, 0.0025991) |
| Kepulauan Riau | Diarrheal diseases                            | 75  | 75.6 (38.1, 129.4)       | 0.032354 (0.0163105, 0.0553803) | 161.9 (93.5, 252.6)        | 0.064022 (0.0369807, 0.0999230) |
| Kepulauan Riau | HIV/AIDS                                      | 75  | 2.3 (0.4, 7.4)           | 0.001004 (0.0001896, 0.0031727) | 3.9 (0.7, 12.7)            | 0.001547 (0.0002862, 0.0050249) |
| Kepulauan Riau | Lower respiratory infections                  | 75  | 40.5 (18.6, 74.5)        | 0.017323 (0.0079778, 0.0318895) | 79.0 (39.1, 135.1)         | 0.031253 (0.0154496, 0.0534424) |
| Kepulauan Riau | Malaria                                       | 75  | 10.3 (0.4, 49.9)         | 0.004407 (0.0001619, 0.0213681) | 10.3 (0.3, 62.1)           | 0.004073 (0.0001162, 0.0245583) |
| Kepulauan Riau | Tuberculosis                                  | 75  | 102.3 (59.2, 165.0)      | 0.043788 (0.0253149, 0.0706056) | 119.3 (69.7, 185.3)        | 0.047190 (0.0275808, 0.0732865) |
| Kepulauan Riau | Other communicable diseases                   | 75  | 44.2 (17.5, 84.5)        | 0.018930 (0.0075026, 0.0361451) | 76.3 (31.0, 144.4)         | 0.030176 (0.0122567, 0.0571296) |



Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                       |                                 | Females                     |                                 |
|----------------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer                      | 75  | 40.7 (18.9, 74.2)           | 0.017402 (0.0080947, 0.0317678) | 20.8 (8.4, 43.5)            | 0.008209 (0.0033369, 0.0172186) |
| Kepulauan Riau | Breast cancer                                            | 75  | 0.3 (0.1, 1.0)              | 0.000137 (0.0000245, 0.0004085) | 10.1 (3.3, 21.0)            | 0.004010 (0.0013121, 0.0082983) |
| Kepulauan Riau | Cervical cancer                                          | 75  |                             |                                 | 14.6 (4.5, 33.9)            | 0.005760 (0.0017831, 0.0134080) |
| Kepulauan Riau | Other malignant neoplasms                                | 75  | 23.5 (12.7, 40.7)           | 0.010054 (0.0054436, 0.0174290) | 34.2 (16.0, 58.3)           | 0.013529 (0.0063190, 0.0230782) |
| Kepulauan Riau | Cerebrovascular disease                                  | 75  | 427.7 (320.2, 608.9)        | 0.183020 (0.1370209, 0.2605386) | 887.5 (701.8, 1,085.4)      | 0.351060 (0.2775967, 0.4293233) |
| Kepulauan Riau | Ischemic heart disease                                   | 75  | 333.0 (238.9, 467.0)        | 0.142467 (0.1022394, 0.1998106) | 460.6 (327.8, 612.7)        | 0.182181 (0.1296446, 0.2423632) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 75  | 91.8 (50.1, 154.7)          | 0.039275 (0.0214191, 0.0661716) | 186.9 (107.8, 301.5)        | 0.073920 (0.0426480, 0.1192729) |
| Kepulauan Riau | Diabetes mellitus                                        | 75  | 83.8 (55.0, 123.7)          | 0.035874 (0.0235333, 0.0529286) | 175.3 (119.1, 244.6)        | 0.069324 (0.0471167, 0.0967580) |
| Kepulauan Riau | Chronic kidney disease                                   | 75  | 40.5 (25.4, 64.3)           | 0.017317 (0.0108664, 0.0275335) | 60.3 (36.5, 93.7)           | 0.023852 (0.0144431, 0.0370824) |
| Kepulauan Riau | Cirrhosis                                                | 75  | 39.0 (23.0, 64.6)           | 0.016704 (0.0098289, 0.0276370) | 48.7 (29.1, 75.4)           | 0.019275 (0.0115261, 0.0298204) |
| Kepulauan Riau | Chronic respiratory diseases                             | 75  | 127.5 (82.4, 191.8)         | 0.054543 (0.0352705, 0.0820637) | 144.5 (90.8, 209.4)         | 0.057161 (0.0359331, 0.0828166) |
| Kepulauan Riau | Other non-communicable diseases                          | 75  | 135.5 (93.6, 202.4)         | 0.057964 (0.0400377, 0.0866036) | 267.3 (184.4, 360.0)        | 0.105727 (0.0729332, 0.1423875) |
| Kepulauan Riau | Drowning                                                 | 75  | 2.3 (0.4, 8.4)              | 0.000989 (0.0001593, 0.0035812) | 2.7 (0.4, 9.1)              | 0.001052 (0.0001610, 0.0036126) |
| Kepulauan Riau | Falls                                                    | 75  | 26.0 (12.0, 47.0)           | 0.011118 (0.0051212, 0.0201042) | 30.2 (14.5, 53.0)           | 0.011955 (0.0057387, 0.0209563) |
| Kepulauan Riau | Interpersonal violence                                   | 75  | 0.2 (0.1, 0.6)              | 0.000093 (0.0000229, 0.0002707) | 0.2 (0.0, 0.5)              | 0.000074 (0.0000175, 0.0002136) |
| Kepulauan Riau | Self-harm                                                | 75  | 0.9 (0.3, 2.3)              | 0.000388 (0.0001140, 0.0009664) | 0.6 (0.2, 1.5)              | 0.000227 (0.0000637, 0.0005755) |
| Kepulauan Riau | Transport injuries                                       | 75  | 16.4 (6.4, 33.9)            | 0.007033 (0.0027562, 0.0144837) | 11.4 (3.8, 23.7)            | 0.004499 (0.0015182, 0.0093869) |
| Kepulauan Riau | Other unintentional injuries                             | 75  | 4.5 (1.8, 9.2)              | 0.001938 (0.0007778, 0.0039185) | 3.2 (1.2, 6.8)              | 0.001261 (0.0004634, 0.0026807) |
| Kepulauan Riau | Diarrheal diseases                                       | 80  | 140.7 (82.9, 215.0)         | 0.097137 (0.0572649, 0.1484482) | 294.0 (190.9, 422.3)        | 0.146683 (0.0952726, 0.2107194) |
| Kepulauan Riau | HIV/AIDS                                                 | 80  | 2.4 (0.3, 8.2)              | 0.001638 (0.0002283, 0.0056409) | 4.6 (0.7, 15.6)             | 0.002304 (0.0003470, 0.0077605) |
| Kepulauan Riau | Lower respiratory infections                             | 80  | 54.9 (27.1, 95.6)           | 0.037900 (0.0187077, 0.0660003) | 106.7 (54.4, 179.4)         | 0.053236 (0.0271417, 0.0895415) |
| Kepulauan Riau | Malaria                                                  | 80  | 9.7 (0.3, 54.1)             | 0.006731 (0.0001908, 0.0373904) | 13.4 (0.4, 82.3)            | 0.006673 (0.0001759, 0.0410875) |
| Kepulauan Riau | Tuberculosis                                             | 80  | 78.2 (43.2, 126.9)          | 0.054029 (0.0298611, 0.0876428) | 138.9 (79.9, 216.0)         | 0.069306 (0.0398888, 0.1077606) |
| Kepulauan Riau | Other communicable diseases                              | 80  | 62.2 (24.1, 121.7)          | 0.042970 (0.0166546, 0.0840417) | 94.1 (35.3, 181.9)          | 0.046938 (0.0176166, 0.0907524) |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer                      | 80  | 28.1 (11.7, 55.7)           | 0.019408 (0.0080474, 0.0384642) | 20.6 (7.9, 45.1)            | 0.010263 (0.0039607, 0.0225190) |
| Kepulauan Riau | Breast cancer                                            | 80  | 0.2 (0.0, 0.6)              | 0.000122 (0.0000190, 0.0004169) | 7.9 (2.5, 16.8)             | 0.003965 (0.0012386, 0.0083787) |
| Kepulauan Riau | Cervical cancer                                          | 80  |                             |                                 | 9.4 (2.4, 22.6)             | 0.004670 (0.0011935, 0.0112590) |
| Kepulauan Riau | Other malignant neoplasms                                | 80  | 16.9 (8.9, 29.0)            | 0.011685 (0.0061454, 0.0200146) | 32.0 (15.5, 53.3)           | 0.015976 (0.0077182, 0.0265818) |
| Kepulauan Riau | Cerebrovascular disease                                  | 80  | 441.1 (348.4, 564.2)        | 0.304602 (0.2406303, 0.3896537) | 1,041.2 (859.5, 1,232.4)    | 0.519556 (0.4289129, 0.6149747) |
| Kepulauan Riau | Ischemic heart disease                                   | 80  | 284.9 (209.2, 374.0)        | 0.196729 (0.1444938, 0.2583215) | 541.4 (393.1, 702.2)        | 0.270146 (0.1961379, 0.3504125) |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | 80  | 80.7 (44.7, 135.3)          | 0.055764 (0.0308407, 0.0934433) | 202.6 (117.9, 326.5)        | 0.101078 (0.0588084, 0.1629479) |
| Kepulauan Riau | Diabetes mellitus                                        | 80  | 61.4 (39.8, 87.8)           | 0.042395 (0.0275156, 0.0606614) | 166.6 (113.1, 231.2)        | 0.083157 (0.0564564, 0.1153870) |
| Kepulauan Riau | Chronic kidney disease                                   | 80  | 28.4 (17.9, 43.8)           | 0.019606 (0.0123316, 0.0302677) | 59.8 (37.1, 92.4)           | 0.029849 (0.0185039, 0.0461304) |
| Kepulauan Riau | Cirrhosis                                                | 80  | 35.7 (20.8, 56.8)           | 0.024630 (0.0143961, 0.0391935) | 47.1 (28.2, 72.1)           | 0.023514 (0.0140770, 0.0359745) |
| Kepulauan Riau | Chronic respiratory diseases                             | 80  | 120.2 (79.2, 172.7)         | 0.082992 (0.0546866, 0.1192872) | 165.6 (105.7, 239.8)        | 0.082620 (0.0527346, 0.1196579) |
| Kepulauan Riau | Other non-communicable diseases                          | 80  | 148.1 (104.9, 207.6)        | 0.102275 (0.0724641, 0.1433439) | 343.9 (249.9, 456.2)        | 0.171598 (0.1247246, 0.2276631) |
| Kepulauan Riau | Drowning                                                 | 80  | 3.3 (0.4, 12.4)             | 0.002286 (0.0003038, 0.0085844) | 2.4 (0.3, 8.4)              | 0.001219 (0.0001502, 0.0042098) |
| Kepulauan Riau | Falls                                                    | 80  | 40.3 (19.5, 69.0)           | 0.027820 (0.0134900, 0.0476712) | 38.3 (18.6, 67.0)           | 0.019110 (0.0092873, 0.0334114) |
| Kepulauan Riau | Interpersonal violence                                   | 80  | 0.1 (0.0, 0.4)              | 0.000080 (0.0000134, 0.0002825) | 0.2 (0.0, 0.5)              | 0.000077 (0.0000128, 0.0002707) |
| Kepulauan Riau | Self-harm                                                | 80  | 0.5 (0.1, 1.4)              | 0.000368 (0.0000977, 0.0009477) | 0.6 (0.1, 1.5)              | 0.000294 (0.0000739, 0.0007284) |
| Kepulauan Riau | Transport injuries                                       | 80  | 14.6 (5.2, 29.1)            | 0.010063 (0.0035914, 0.0200906) | 9.7 (3.1, 20.1)             | 0.004855 (0.0015482, 0.0100065) |
| Kepulauan Riau | Other unintentional injuries                             | 80  | 3.8 (1.4, 8.0)              | 0.002596 (0.0009342, 0.0055578) | 3.1 (1.0, 7.1)              | 0.001539 (0.0005050, 0.0035348) |
| Kepulauan Riau | Diarrheal diseases                                       | All | 3,301.2 (1,487.8, 6,333.3)  | 0.003596 (0.0016205, 0.0068982) | 4,097.8 (2,021.0, 7,234.1)  | 0.004709 (0.0023224, 0.0083126) |
| Kepulauan Riau | HIV/AIDS                                                 | All | 3,384.7 (1,121.9, 6,684.5)  | 0.003687 (0.0012220, 0.0072808) | 2,117.3 (707.4, 4,354.3)    | 0.002433 (0.0008129, 0.0050034) |
| Kepulauan Riau | Lower respiratory infections                             | All | 5,166.6 (2,918.3, 8,074.6)  | 0.005627 (0.0031786, 0.0087949) | 4,055.5 (2,358.5, 6,416.2)  | 0.004660 (0.0027101, 0.0073728) |
| Kepulauan Riau | Malaria                                                  | All | 1,145.8 (50.5, 4,929.8)     | 0.001248 (0.0000550, 0.0053696) | 817.4 (33.7, 3,751.8)       | 0.000939 (0.0000387, 0.0043112) |
| Kepulauan Riau | Tuberculosis                                             | All | 8,011.8 (4,767.2, 12,211.9) | 0.008727 (0.0051924, 0.0133012) | 5,213.1 (3,028.6, 8,196.1)  | 0.005990 (0.0034801, 0.0094180) |
| Kepulauan Riau | Maternal disorders                                       | All |                             |                                 | 6,642.0 (4,551.3, 9,004.8)  | 0.007632 (0.0052299, 0.0103473) |
| Kepulauan Riau | Neonatal encephalopathy due to birth asphyxia and trauma | All | 6,345.9 (2,976.9, 10,515.5) | 0.006912 (0.0032425, 0.0114535) | 4,951.4 (2,401.2, 8,468.9)  | 0.005690 (0.0027592, 0.0097315) |
| Kepulauan Riau | Preterm birth complications                              | All | 7,877.1 (3,715.3, 13,128.5) | 0.008580 (0.0040467, 0.0142996) | 8,050.0 (4,031.9, 13,699.9) | 0.009250 (0.0046330, 0.0157424) |
| Kepulauan Riau | Other neonatal disorders                                 | All | 2,666.8 (780.7, 5,981.8)    | 0.002905 (0.0008503, 0.0065154) | 2,014.6 (495.2, 4,700.3)    | 0.002315 (0.0005690, 0.0054011) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males         |                      |                          |                         | Females       |                      |                          |                         |
|----------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|-------------------------|---------------|----------------------|--------------------------|-------------------------|
|                |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                         |
| Kepulauan Riau | Other communicable diseases                              | All | 10,300.2      | (5,847.8, 15,690.3)  | 0.011219                 | (0.0063694, 0.0170899)  | 8,211.0       | (4,650.5, 12,381.6)  | 0.009435                 | (0.0053439, 0.0142275)  |
| Kepulauan Riau | Tracheal, bronchus, and lung cancer                      | All | 2,123.3       | (1,053.1, 3,743.7)   | 0.002313                 | (0.0011470, 0.0040776)  | 1,553.4       | (654.0, 3,013.7)     | 0.001785                 | (0.0007515, 0.0034630)  |
| Kepulauan Riau | Breast cancer                                            | All | 44.3          | (12.1, 109.2)        | 0.000048                 | (0.0000132, 0.0001190)  | 3,758.7       | (1,664.5, 6,589.9)   | 0.004319                 | (0.0019127, 0.0075724)  |
| Kepulauan Riau | Cervical cancer                                          | All |               |                      |                          |                         | 2,724.6       | (990.1, 5,674.9)     | 0.003131                 | (0.0011377, 0.0065210)  |
| Kepulauan Riau | Other malignant neoplasms                                | All | 4,997.7       | (2,869.6, 7,919.4)   | 0.005444                 | (0.0031256, 0.0086258)  | 5,411.8       | (2,840.1, 8,682.2)   | 0.006219                 | (0.0032636, 0.0099766)  |
| Kepulauan Riau | Cerebrovascular disease                                  | All | 12,461.0      | (9,066.4, 16,914.1)  | 0.013573                 | (0.0098752, 0.0184229)  | 19,539.1      | (14,633.7, 25,360.2) | 0.022452                 | (0.0168155, 0.0291412)  |
| Kepulauan Riau | Ischemic heart disease                                   | All | 13,546.1      | (9,606.9, 18,360.4)  | 0.014754                 | (0.0104638, 0.0199982)  | 12,791.2      | (8,626.3, 17,497.4)  | 0.014698                 | (0.0099124, 0.0201061)  |
| Kepulauan Riau | Other cardiovascular and circulatory diseases            | All | 2,974.0       | (1,666.1, 5,109.0)   | 0.003239                 | (0.0018147, 0.0055648)  | 5,041.3       | (2,859.8, 8,617.1)   | 0.005793                 | (0.0032861, 0.0099018)  |
| Kepulauan Riau | Diabetes mellitus                                        | All | 5,225.6       | (3,508.8, 7,389.4)   | 0.005692                 | (0.0038218, 0.0080486)  | 8,255.5       | (5,608.7, 11,417.0)  | 0.009486                 | (0.0064449, 0.0131191)  |
| Kepulauan Riau | Chronic kidney disease                                   | All | 4,147.2       | (2,663.7, 6,198.2)   | 0.004517                 | (0.0029013, 0.0067511)  | 5,015.3       | (3,099.7, 7,677.3)   | 0.005763                 | (0.0035618, 0.0088219)  |
| Kepulauan Riau | Cirrhosis                                                | All | 4,612.1       | (2,807.7, 7,114.4)   | 0.005024                 | (0.0030582, 0.0077490)  | 3,780.1       | (2,243.0, 5,889.0)   | 0.004344                 | (0.0025774, 0.0067670)  |
| Kepulauan Riau | Chronic respiratory diseases                             | All | 3,093.7       | (1,854.8, 4,795.8)   | 0.003370                 | (0.0020202, 0.0052236)  | 2,865.6       | (1,676.4, 4,449.5)   | 0.003293                 | (0.0019263, 0.0051128)  |
| Kepulauan Riau | Other non-communicable diseases                          | All | 12,248.4      | (8,601.7, 16,668.4)  | 0.013341                 | (0.0093690, 0.0181553)  | 16,010.0      | (11,586.0, 20,894.8) | 0.018397                 | (0.0133133, 0.0240101)  |
| Kepulauan Riau | Drowning                                                 | All | 1,775.0       | (473.3, 4,304.8)     | 0.001933                 | (0.0005155, 0.0046888)  | 729.4         | (165.7, 1,781.5)     | 0.000838                 | (0.0001904, 0.0020471)  |
| Kepulauan Riau | Falls                                                    | All | 2,189.4       | (971.8, 4,107.1)     | 0.002385                 | (0.0010585, 0.0044734)  | 1,461.8       | (638.3, 2,837.7)     | 0.001680                 | (0.0007334, 0.0032608)  |
| Kepulauan Riau | Interpersonal violence                                   | All | 305.9         | (134.4, 569.1)       | 0.000333                 | (0.0001464, 0.0006198)  | 281.0         | (116.6, 555.1)       | 0.000323                 | (0.0001339, 0.0006379)  |
| Kepulauan Riau | Self-harm                                                | All | 387.8         | (158.8, 776.1)       | 0.000422                 | (0.0001730, 0.0008454)  | 311.6         | (117.3, 638.3)       | 0.000358                 | (0.0001348, 0.0007335)  |
| Kepulauan Riau | Transport injuries                                       | All | 11,173.9      | (6,983.1, 16,169.8)  | 0.012171                 | (0.0076060, 0.0176122)  | 5,630.4       | (2,980.7, 9,142.3)   | 0.006470                 | (0.0034251, 0.0105054)  |
| Kepulauan Riau | Other unintentional injuries                             | All | 1,940.9       | (985.7, 3,453.7)     | 0.002114                 | (0.0010736, 0.0037618)  | 1,030.1       | (467.6, 1,992.5)     | 0.001184                 | (0.0005373, 0.0022896)  |
| DKI Jakarta    | Diarrheal diseases                                       | NN  | 1,648.6       | (684.1, 2,944.4)     | 0.228341                 | (0.0947595, 0.4078332)  | 1,421.2       | (635.7, 2,728.4)     | 0.208578                 | (0.0932953, 0.4004220)  |
| DKI Jakarta    | Lower respiratory infections                             | NN  | 16,410.2      | (7,866.9, 26,859.6)  | 2.272965                 | (1.0896370, 3.7203040)  | 9,891.8       | (4,948.2, 17,131.2)  | 1.451708                 | (0.7261998, 2.5141530)  |
| DKI Jakarta    | Malaria                                                  | NN  | 4.0           | (0.1, 22.4)          | 0.000559                 | (0.0000124, 0.0031082)  | 2.5           | (0.1, 16.1)          | 0.000374                 | (0.0000093, 0.0023576)  |
| DKI Jakarta    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 32,130.3      | (14,344.0, 56,341.0) | 4.450334                 | (1.9867719, 7.8037472)  | 21,358.9      | (9,617.2, 39,523.5)  | 3.134614                 | (1.4114090, 5.8004251)  |
| DKI Jakarta    | Preterm birth complications                              | NN  | 60,847.6      | (29,778.6, 99,144.3) | 8.427947                 | (4.1246152, 13.7323904) | 51,998.6      | (27,528.0, 87,469.6) | 7.631271                 | (4.0399818, 12.8369503) |
| DKI Jakarta    | Other neonatal disorders                                 | NN  | 13,817.1      | (4,947.3, 29,230.5)  | 1.913800                 | (0.6852463, 4.0486870)  | 8,859.7       | (2,997.2, 19,872.4)  | 1.300241                 | (0.4398657, 2.9164610)  |
| DKI Jakarta    | Other communicable diseases                              | NN  | 2,116.6       | (879.8, 3,994.3)     | 0.293167                 | (0.1218560, 0.5532469)  | 1,285.8       | (539.0, 2,672.5)     | 0.188709                 | (0.0791005, 0.3922206)  |
| DKI Jakarta    | Other malignant neoplasms                                | NN  | 1,321.4       | (516.9, 2,614.5)     | 0.183029                 | (0.0715951, 0.3621294)  | 1,037.6       | (435.0, 2,087.5)     | 0.152273                 | (0.0638341, 0.3063560)  |
| DKI Jakarta    | Cerebrovascular disease                                  | NN  | 342.1         | (85.2, 880.8)        | 0.047390                 | (0.0118016, 0.1220037)  | 350.5         | (94.4, 906.2)        | 0.051438                 | (0.0138487, 0.1329943)  |
| DKI Jakarta    | Other cardiovascular and circulatory diseases            | NN  | 237.9         | (59.8, 616.4)        | 0.032955                 | (0.0082778, 0.0853710)  | 211.0         | (46.8, 517.0)        | 0.030973                 | (0.0068667, 0.0758700)  |
| DKI Jakarta    | Diabetes mellitus                                        | NN  | 139.0         | (0.5, 1,031.2)       | 0.019251                 | (0.0000756, 0.1428330)  | 162.9         | (0.8, 1,227.3)       | 0.023903                 | (0.0001237, 0.1801141)  |
| DKI Jakarta    | Other non-communicable diseases                          | NN  | 21,284.8      | (10,559.8, 33,570.0) | 2.948136                 | (1.4626310, 4.6497502)  | 19,436.6      | (9,922.3, 31,620.8)  | 2.852490                 | (1.4561810, 4.6406460)  |
| DKI Jakarta    | Drowning                                                 | NN  | 478.1         | (89.4, 1,505.4)      | 0.066226                 | (0.0123800, 0.2085135)  | 121.8         | (23.2, 379.6)        | 0.017881                 | (0.0034033, 0.0557098)  |
| DKI Jakarta    | Falls                                                    | NN  | 3,691.3       | (1,445.2, 7,062.4)   | 0.511281                 | (0.2001669, 0.9782068)  | 1,280.5       | (526.9, 2,573.0)     | 0.187930                 | (0.0773278, 0.3776075)  |
| DKI Jakarta    | Interpersonal violence                                   | NN  | 143.4         | (21.4, 500.1)        | 0.019868                 | (0.0029673, 0.0692658)  | 78.4          | (10.6, 253.8)        | 0.011499                 | (0.0015574, 0.0372531)  |
| DKI Jakarta    | Transport injuries                                       | NN  | 2,025.0       | (715.8, 4,391.6)     | 0.280487                 | (0.0991478, 0.6082791)  | 509.1         | (178.3, 1,155.1)     | 0.074708                 | (0.0261716, 0.1695155)  |
| DKI Jakarta    | Other unintentional injuries                             | NN  | 563.0         | (134.9, 1,560.4)     | 0.077978                 | (0.0186890, 0.2161363)  | 178.0         | (46.2, 488.2)        | 0.026127                 | (0.0067803, 0.0716448)  |
| DKI Jakarta    | Diarrheal diseases                                       | PNN | 704.5         | (334.9, 1,217.8)     | 0.007818                 | (0.0037161, 0.0135144)  | 734.6         | (345.4, 1,269.6)     | 0.008637                 | (0.0040618, 0.0149281)  |
| DKI Jakarta    | HIV/AIDS                                                 | PNN | 81.0          | (29.1, 171.0)        | 0.000898                 | (0.0003229, 0.0018978)  | 56.4          | (21.5, 121.8)        | 0.000663                 | (0.0002525, 0.0014316)  |
| DKI Jakarta    | Lower respiratory infections                             | PNN | 518.5         | (247.0, 847.3)       | 0.005754                 | (0.0027407, 0.0094026)  | 369.3         | (170.4, 647.4)       | 0.004342                 | (0.0020040, 0.0076118)  |
| DKI Jakarta    | Malaria                                                  | PNN | 1.7           | (0.0, 10.5)          | 0.000019                 | (0.0000005, 0.0001168)  | 1.2           | (0.0, 6.9)           | 0.000015                 | (0.0000004, 0.0000806)  |
| DKI Jakarta    | Tuberculosis                                             | PNN | 61.0          | (25.2, 110.8)        | 0.000677                 | (0.0002801, 0.0012291)  | 43.9          | (17.2, 84.9)         | 0.000516                 | (0.0002018, 0.0009980)  |
| DKI Jakarta    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 29.8          | (7.4, 81.8)          | 0.000331                 | (0.0000826, 0.0009073)  | 22.1          | (5.9, 55.0)          | 0.000260                 | (0.0000692, 0.0006462)  |
| DKI Jakarta    | Preterm birth complications                              | PNN | 217.6         | (83.9, 442.6)        | 0.002415                 | (0.0009313, 0.0049112)  | 242.8         | (94.6, 502.8)        | 0.002855                 | (0.0011123, 0.0059118)  |
| DKI Jakarta    | Other neonatal disorders                                 | PNN | 50.9          | (12.9, 132.2)        | 0.000565                 | (0.0001435, 0.0014673)  | 37.6          | (9.6, 108.4)         | 0.000442                 | (0.0001134, 0.0012740)  |
| DKI Jakarta    | Other communicable diseases                              | PNN | 1,004.2       | (489.1, 1,694.2)     | 0.011143                 | (0.0054276, 0.0188006)  | 737.5         | (349.1, 1,289.3)     | 0.008671                 | (0.0041053, 0.0151595)  |
| DKI Jakarta    | Other malignant neoplasms                                | PNN | 26.7          | (11.1, 51.2)         | 0.000297                 | (0.0001231, 0.0005681)  | 23.7          | (9.5, 46.6)          | 0.000278                 | (0.0001117, 0.0005475)  |
| DKI Jakarta    | Cerebrovascular disease                                  | PNN | 6.9           | (1.8, 17.8)          | 0.000077                 | (0.0000201, 0.0001977)  | 8.0           | (2.1, 18.9)          | 0.000094                 | (0.0000248, 0.0002222)  |
| DKI Jakarta    | Ischemic heart disease                                   | PNN | 5.8           | (0.4, 26.9)          | 0.000064                 | (0.0000041, 0.0002983)  | 6.4           | (0.4, 30.3)          | 0.000076                 | (0.0000050, 0.0003563)  |
| DKI Jakarta    | Other cardiovascular and circulatory diseases            | PNN | 4.8           | (1.1, 12.9)          | 0.000053                 | (0.0000127, 0.0001433)  | 4.7           | (1.1, 12.2)          | 0.000056                 | (0.0000128, 0.0001438)  |
| DKI Jakarta    | Diabetes mellitus                                        | PNN | 2.9           | (0.0, 20.7)          | 0.000032                 | (0.0000002, 0.0002301)  | 3.9           | (0.0, 30.5)          | 0.000046                 | (0.0000003, 0.0003584)  |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|-------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|             |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| DKI Jakarta | Chronic kidney disease                                   | PNN | 23.5          | (9.0, 50.3)         | 0.000261                 | (0.0001002, 0.0005580) | 24.2          | (9.0, 51.4)         | 0.000284                 | (0.0001060, 0.0006045) |
| DKI Jakarta | Other non-communicable diseases                          | PNN | 426.3         | (208.8, 700.3)      | 0.004731                 | (0.0023169, 0.0077711) | 438.1         | (210.4, 748.1)      | 0.005151                 | (0.0024743, 0.0087960) |
| DKI Jakarta | Drowning                                                 | PNN | 11.8          | (2.2, 35.5)         | 0.000131                 | (0.0000244, 0.0003940) | 3.4           | (0.7, 10.8)         | 0.000040                 | (0.0000078, 0.0001268) |
| DKI Jakarta | Falls                                                    | PNN | 87.0          | (37.4, 166.3)       | 0.000966                 | (0.0004154, 0.0018460) | 34.4          | (14.5, 67.3)        | 0.000404                 | (0.0001704, 0.0007911) |
| DKI Jakarta | Interpersonal violence                                   | PNN | 3.3           | (0.5, 10.8)         | 0.000037                 | (0.0000055, 0.0001201) | 2.1           | (0.3, 6.3)          | 0.000024                 | (0.0000034, 0.0000739) |
| DKI Jakarta | Transport injuries                                       | PNN | 49.0          | (19.4, 98.9)        | 0.000544                 | (0.0002155, 0.0010975) | 14.0          | (5.1, 30.1)         | 0.000165                 | (0.0000597, 0.0003536) |
| DKI Jakarta | Other unintentional injuries                             | PNN | 12.9          | (3.4, 33.2)         | 0.000144                 | (0.0000374, 0.0003681) | 4.7           | (1.2, 12.0)         | 0.000056                 | (0.0000146, 0.0001414) |
| DKI Jakarta | Diarrheal diseases                                       | 1   | 5,082.2       | (1,881.1, 11,116.8) | 0.014008                 | (0.0051848, 0.0306408) | 5,328.3       | (2,320.8, 11,115.1) | 0.015418                 | (0.0067155, 0.0321636) |
| DKI Jakarta | HIV/AIDS                                                 | 1   | 1,493.6       | (447.8, 3,684.6)    | 0.004117                 | (0.0012343, 0.0101559) | 1,045.9       | (335.3, 2,404.5)    | 0.003027                 | (0.0009702, 0.0069578) |
| DKI Jakarta | Lower respiratory infections                             | 1   | 9,281.3       | (3,628.6, 19,063.5) | 0.025582                 | (0.0100014, 0.0525442) | 6,638.1       | (2,942.1, 13,190.5) | 0.019208                 | (0.0085135, 0.0381688) |
| DKI Jakarta | Malaria                                                  | 1   | 9.7           | (0.2, 53.5)         | 0.000027                 | (0.0000006, 0.0001475) | 7.2           | (0.2, 45.8)         | 0.000021                 | (0.0000005, 0.0001325) |
| DKI Jakarta | Tuberculosis                                             | 1   | 1,184.0       | (416.1, 2,652.0)    | 0.003263                 | (0.0011468, 0.0073096) | 852.9         | (323.9, 1,803.8)    | 0.002468                 | (0.0009372, 0.0052197) |
| DKI Jakarta | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 261.8         | (54.1, 708.8)       | 0.000722                 | (0.0001491, 0.0019536) | 188.1         | (40.3, 523.9)       | 0.000544                 | (0.0001165, 0.0015161) |
| DKI Jakarta | Preterm birth complications                              | 1   | 386.6         | (61.7, 1,344.4)     | 0.001066                 | (0.0001699, 0.0037057) | 419.4         | (71.4, 1,512.3)     | 0.001214                 | (0.0002067, 0.0043761) |
| DKI Jakarta | Other neonatal disorders                                 | 1   | 70.7          | (0.4, 592.3)        | 0.000195                 | (0.0000011, 0.0016325) | 48.3          | (0.3, 354.9)        | 0.000140                 | (0.0000009, 0.0010268) |
| DKI Jakarta | Other communicable diseases                              | 1   | 15,687.2      | (6,243.4, 31,875.4) | 0.043238                 | (0.0172086, 0.0878573) | 11,815.1      | (5,161.6, 22,475.8) | 0.034189                 | (0.0149361, 0.0650378) |
| DKI Jakarta | Other malignant neoplasms                                | 1   | 330.4         | (112.8, 746.2)      | 0.000911                 | (0.0003110, 0.0020568) | 306.5         | (118.4, 661.6)      | 0.000887                 | (0.0003427, 0.0019146) |
| DKI Jakarta | Cerebrovascular disease                                  | 1   | 93.6          | (23.5, 252.9)       | 0.000258                 | (0.0000647, 0.0006972) | 112.8         | (29.7, 307.2)       | 0.000327                 | (0.0000860, 0.0008889) |
| DKI Jakarta | Ischemic heart disease                                   | 1   | 81.8          | (5.2, 375.8)        | 0.000226                 | (0.0000143, 0.0010358) | 93.9          | (6.3, 436.6)        | 0.000272                 | (0.0000183, 0.0012634) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | 1   | 61.0          | (12.8, 184.9)       | 0.000168                 | (0.0000353, 0.0005097) | 63.1          | (14.9, 172.9)       | 0.000183                 | (0.0000432, 0.0005004) |
| DKI Jakarta | Diabetes mellitus                                        | 1   | 35.9          | (0.2, 311.3)        | 0.000099                 | (0.0000005, 0.0008581) | 50.3          | (0.3, 439.4)        | 0.000146                 | (0.0000008, 0.0012716) |
| DKI Jakarta | Chronic kidney disease                                   | 1   | 281.1         | (87.8, 659.3)       | 0.000775                 | (0.0002421, 0.0018171) | 299.3         | (100.9, 670.7)      | 0.000866                 | (0.0002920, 0.0019409) |
| DKI Jakarta | Cirrhosis                                                | 1   | 541.7         | (153.3, 1,381.7)    | 0.001493                 | (0.0004226, 0.0038084) | 259.7         | (77.2, 661.2)       | 0.000751                 | (0.0002234, 0.0019134) |
| DKI Jakarta | Chronic respiratory diseases                             | 1   | 550.5         | (152.0, 1,403.2)    | 0.001517                 | (0.0004190, 0.0038677) | 211.1         | (63.0, 543.9)       | 0.000611                 | (0.0001822, 0.0015739) |
| DKI Jakarta | Other non-communicable diseases                          | 1   | 5,285.0       | (2,204.9, 10,853.1) | 0.014567                 | (0.0060773, 0.0299139) | 5,621.0       | (2,465.4, 10,834.8) | 0.016265                 | (0.0071339, 0.0313524) |
| DKI Jakarta | Drowning                                                 | 1   | 571.9         | (110.2, 1,840.3)    | 0.001576                 | (0.0003037, 0.0050723) | 167.7         | (32.7, 511.8)       | 0.000485                 | (0.0000947, 0.0014811) |
| DKI Jakarta | Falls                                                    | 1   | 2,951.7       | (974.6, 6,344.8)    | 0.008136                 | (0.0026863, 0.0174881) | 1,180.9       | (444.5, 2,511.4)    | 0.003417                 | (0.0012861, 0.0072671) |
| DKI Jakarta | Interpersonal violence                                   | 1   | 93.2          | (12.1, 330.4)       | 0.000257                 | (0.0000333, 0.0009107) | 59.2          | (7.7, 204.8)        | 0.000171                 | (0.0000222, 0.0005925) |
| DKI Jakarta | Transport injuries                                       | 1   | 2,110.9       | (774.8, 4,729.9)    | 0.005818                 | (0.0021355, 0.0130368) | 618.8         | (227.5, 1,387.1)    | 0.001791                 | (0.0006584, 0.0040137) |
| DKI Jakarta | Other unintentional injuries                             | 1   | 383.1         | (86.8, 1,124.8)     | 0.001056                 | (0.0002392, 0.0031004) | 141.6         | (33.0, 442.1)       | 0.000410                 | (0.0000955, 0.0012792) |
| DKI Jakarta | Diarrheal diseases                                       | 5   | 1,453.4       | (984.9, 2,068.9)    | 0.003525                 | (0.0023888, 0.0050178) | 1,421.4       | (985.8, 1,966.4)    | 0.003608                 | (0.0025024, 0.0049916) |
| DKI Jakarta | HIV/AIDS                                                 | 5   | 320.4         | (91.7, 724.4)       | 0.000777                 | (0.0002224, 0.0017568) | 205.8         | (61.9, 456.2)       | 0.000523                 | (0.0001571, 0.0011582) |
| DKI Jakarta | Lower respiratory infections                             | 5   | 1,823.0       | (1,283.4, 2,454.2)  | 0.004421                 | (0.0031127, 0.0059523) | 1,197.5       | (837.2, 1,600.9)    | 0.003040                 | (0.0021252, 0.0040638) |
| DKI Jakarta | Malaria                                                  | 5   | 2.8           | (0.1, 14.5)         | 0.000007                 | (0.0000002, 0.0000352) | 1.9           | (0.0, 11.0)         | 0.000005                 | (0.0000001, 0.0000279) |
| DKI Jakarta | Tuberculosis                                             | 5   | 332.0         | (195.0, 530.9)      | 0.000805                 | (0.0004730, 0.0012876) | 220.2         | (131.4, 340.2)      | 0.000559                 | (0.0003335, 0.0008635) |
| DKI Jakarta | Other communicable diseases                              | 5   | 4,450.5       | (3,493.9, 5,462.2)  | 0.010794                 | (0.0084740, 0.0132477) | 3,114.0       | (2,451.7, 3,856.3)  | 0.007905                 | (0.0062236, 0.0097892) |
| DKI Jakarta | Other malignant neoplasms                                | 5   | 815.5         | (512.9, 1,254.6)    | 0.001978                 | (0.0012439, 0.0030428) | 716.8         | (469.0, 1,061.8)    | 0.001820                 | (0.0011905, 0.0026953) |
| DKI Jakarta | Cerebrovascular disease                                  | 5   | 154.0         | (70.8, 294.0)       | 0.000374                 | (0.0001717, 0.0007129) | 175.2         | (85.4, 304.7)       | 0.000445                 | (0.0002169, 0.0007735) |
| DKI Jakarta | Ischemic heart disease                                   | 5   | 152.6         | (53.4, 329.2)       | 0.000370                 | (0.0001294, 0.0007984) | 165.4         | (63.5, 324.5)       | 0.000420                 | (0.0001613, 0.0008238) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | 5   | 114.9         | (42.0, 252.8)       | 0.000279                 | (0.0001018, 0.0006131) | 110.7         | (45.6, 234.0)       | 0.000281                 | (0.0001156, 0.0005941) |
| DKI Jakarta | Diabetes mellitus                                        | 5   | 175.7         | (66.4, 381.6)       | 0.000426                 | (0.0001611, 0.0009254) | 234.9         | (95.7, 486.8)       | 0.000596                 | (0.0002429, 0.0012357) |
| DKI Jakarta | Chronic kidney disease                                   | 5   | 242.2         | (111.5, 461.0)      | 0.000588                 | (0.0002705, 0.0011181) | 245.8         | (112.5, 437.7)      | 0.000624                 | (0.0002855, 0.0011111) |
| DKI Jakarta | Cirrhosis                                                | 5   | 582.6         | (307.7, 976.7)      | 0.001413                 | (0.0007464, 0.0023689) | 269.1         | (142.0, 451.1)      | 0.000683                 | (0.0003606, 0.0011450) |
| DKI Jakarta | Chronic respiratory diseases                             | 5   | 180.7         | (80.8, 343.4)       | 0.000438                 | (0.0001959, 0.0008327) | 65.1          | (29.6, 122.2)       | 0.000165                 | (0.0000752, 0.0003102) |
| DKI Jakarta | Other non-communicable diseases                          | 5   | 1,872.4       | (1,342.7, 2,463.1)  | 0.004541                 | (0.0032566, 0.0059737) | 1,905.4       | (1,436.5, 2,471.2)  | 0.004837                 | (0.0036465, 0.0062730) |
| DKI Jakarta | Drowning                                                 | 5   | 972.0         | (248.4, 2,308.0)    | 0.002357                 | (0.0006025, 0.0055977) | 337.6         | (89.5, 818.3)       | 0.000857                 | (0.0002271, 0.0020773) |
| DKI Jakarta | Falls                                                    | 5   | 2,296.7       | (1,257.3, 3,587.7)  | 0.005570                 | (0.0030493, 0.0087014) | 1,079.9       | (621.4, 1,644.4)    | 0.002741                 | (0.0015774, 0.0041742) |
| DKI Jakarta | Interpersonal violence                                   | 5   | 35.1          | (5.1, 130.8)        | 0.000085                 | (0.0000123, 0.0003171) | 25.6          | (4.0, 89.5)         | 0.000065                 | (0.0000101, 0.0002272) |
| DKI Jakarta | Transport injuries                                       | 5   | 3,211.0       | (2,064.5, 4,450.1)  | 0.007788                 | (0.0050072, 0.0107929) | 1,138.2       | (715.1, 1,630.8)    | 0.002889                 | (0.0018152, 0.0041396) |
| DKI Jakarta | Other unintentional injuries                             | 5   | 159.7         | (47.5, 405.7)       | 0.000387                 | (0.0001153, 0.0009839) | 68.2          | (20.0, 174.2)       | 0.000173                 | (0.0000508, 0.0004423) |
| DKI Jakarta | Diarrheal diseases                                       | 10  | 606.4         | (388.8, 899.8)      | 0.001669                 | (0.0010699, 0.0024763) | 560.3         | (362.6, 842.9)      | 0.001567                 | (0.0010141, 0.0023576) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                        |                                 | Females                    |                                 |
|-------------|-----------------------------------------------|-----|------------------------------|---------------------------------|----------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DKI Jakarta | HIV/AIDS                                      | 10  | 283.4 (113.0, 570.8)         | 0.000780 (0.0003110, 0.0015710) | 175.8 (77.1, 332.1)        | 0.000492 (0.0002158, 0.0009288) |
| DKI Jakarta | Lower respiratory infections                  | 10  | 1,081.7 (736.8, 1,508.2)     | 0.002977 (0.0020278, 0.0041506) | 662.4 (464.1, 912.1)       | 0.001853 (0.0012980, 0.0025512) |
| DKI Jakarta | Malaria                                       | 10  | 4.8 (0.1, 22.9)              | 0.000013 (0.0000004, 0.0000629) | 3.3 (0.1, 16.8)            | 0.000009 (0.0000003, 0.0000471) |
| DKI Jakarta | Tuberculosis                                  | 10  | 673.0 (434.3, 1,000.2)       | 0.001852 (0.0011953, 0.0027525) | 445.9 (305.6, 623.4)       | 0.001247 (0.0008547, 0.0017437) |
| DKI Jakarta | Maternal disorders                            | 10  |                              |                                 | 170.8 (27.1, 459.6)        | 0.000478 (0.0000757, 0.0012856) |
| DKI Jakarta | Other communicable diseases                   | 10  | 2,851.9 (2,238.2, 3,506.1)   | 0.007849 (0.0061597, 0.0096490) | 1,827.2 (1,431.3, 2,268.5) | 0.005111 (0.0040034, 0.0063449) |
| DKI Jakarta | Other malignant neoplasms                     | 10  | 1,027.4 (727.9, 1,405.2)     | 0.002828 (0.0020033, 0.0038671) | 905.0 (689.7, 1,172.7)     | 0.002531 (0.0019291, 0.0032801) |
| DKI Jakarta | Cerebrovascular disease                       | 10  | 211.5 (126.9, 339.8)         | 0.000582 (0.0003491, 0.0009351) | 230.0 (143.9, 350.4)       | 0.000643 (0.0004026, 0.0009802) |
| DKI Jakarta | Ischemic heart disease                        | 10  | 305.6 (175.3, 487.7)         | 0.000841 (0.0004824, 0.0013422) | 322.4 (199.3, 485.5)       | 0.000902 (0.0005575, 0.0013579) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 10  | 142.1 (67.1, 249.4)          | 0.000391 (0.0001846, 0.0006864) | 134.3 (70.4, 226.8)        | 0.000376 (0.0001968, 0.0006344) |
| DKI Jakarta | Diabetes mellitus                             | 10  | 214.9 (112.1, 370.5)         | 0.000592 (0.0003085, 0.0010196) | 284.9 (163.1, 455.0)       | 0.000797 (0.0004561, 0.0012726) |
| DKI Jakarta | Chronic kidney disease                        | 10  | 289.5 (167.7, 456.7)         | 0.000797 (0.0004615, 0.0012567) | 294.5 (178.1, 445.7)       | 0.000824 (0.0004982, 0.0012468) |
| DKI Jakarta | Cirrhosis                                     | 10  | 583.8 (364.7, 864.9)         | 0.001607 (0.0010037, 0.0023802) | 258.5 (164.8, 376.7)       | 0.000723 (0.0004610, 0.0010536) |
| DKI Jakarta | Chronic respiratory diseases                  | 10  | 313.3 (181.0, 515.9)         | 0.000862 (0.0004982, 0.0014199) | 118.6 (69.3, 191.5)        | 0.000332 (0.0001938, 0.0005356) |
| DKI Jakarta | Other non-communicable diseases               | 10  | 1,830.6 (1,412.3, 2,277.3)   | 0.005038 (0.0038868, 0.0062673) | 1,794.4 (1,408.0, 2,171.7) | 0.005019 (0.0039383, 0.0060743) |
| DKI Jakarta | Drowning                                      | 10  | 396.3 (108.0, 1,056.7)       | 0.001091 (0.0002973, 0.0029080) | 118.7 (32.1, 330.6)        | 0.000332 (0.0000899, 0.0009246) |
| DKI Jakarta | Falls                                         | 10  | 1,612.5 (888.8, 2,699.5)     | 0.004438 (0.0024461, 0.0074292) | 684.7 (403.7, 1,081.5)     | 0.001915 (0.0011293, 0.0030251) |
| DKI Jakarta | Interpersonal violence                        | 10  | 41.3 (7.9, 129.8)            | 0.000114 (0.0000216, 0.0003572) | 29.9 (6.4, 88.2)           | 0.000084 (0.0000178, 0.0002468) |
| DKI Jakarta | Self-harm                                     | 10  | 27.6 (3.4, 97.7)             | 0.000076 (0.0000094, 0.0002689) | 17.1 (2.4, 57.9)           | 0.000048 (0.0000066, 0.0001618) |
| DKI Jakarta | Transport injuries                            | 10  | 3,773.1 (2,768.8, 4,800.8)   | 0.010384 (0.0076198, 0.0132117) | 1,307.4 (922.3, 1,769.8)   | 0.003657 (0.0025796, 0.0049503) |
| DKI Jakarta | Other unintentional injuries                  | 10  | 123.4 (39.7, 302.3)          | 0.000340 (0.0001091, 0.0008318) | 50.2 (15.9, 126.8)         | 0.000140 (0.0000446, 0.0003547) |
| DKI Jakarta | Diarrheal diseases                            | 15  | 511.9 (272.9, 879.4)         | 0.001257 (0.0006702, 0.0021597) | 376.7 (212.3, 603.5)       | 0.000837 (0.0004719, 0.0013412) |
| DKI Jakarta | HIV/AIDS                                      | 15  | 397.2 (159.7, 832.7)         | 0.000975 (0.0003921, 0.0020449) | 208.4 (83.7, 418.2)        | 0.000463 (0.0001861, 0.0009294) |
| DKI Jakarta | Lower respiratory infections                  | 15  | 697.6 (441.8, 1,082.6)       | 0.001713 (0.0010851, 0.0026586) | 350.7 (219.6, 513.3)       | 0.000779 (0.0004881, 0.0011408) |
| DKI Jakarta | Malaria                                       | 15  | 24.3 (0.9, 125.7)            | 0.000060 (0.0000023, 0.0003088) | 12.3 (0.4, 66.5)           | 0.000027 (0.0000009, 0.0001479) |
| DKI Jakarta | Tuberculosis                                  | 15  | 2,139.8 (1,527.1, 3,191.4)   | 0.005255 (0.0037504, 0.0078377) | 1,060.5 (771.2, 1,442.9)   | 0.002357 (0.0017140, 0.0032067) |
| DKI Jakarta | Maternal disorders                            | 15  |                              |                                 | 1,123.9 (633.9, 1,722.4)   | 0.002498 (0.0014089, 0.0038280) |
| DKI Jakarta | Other communicable diseases                   | 15  | 2,737.1 (1,959.3, 4,139.3)   | 0.006722 (0.0048118, 0.0101655) | 1,402.6 (973.4, 1,894.2)   | 0.003117 (0.0021633, 0.0042096) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 15  | 483.1 (177.3, 998.6)         | 0.001186 (0.0004353, 0.0024524) | 135.3 (49.7, 285.5)        | 0.000301 (0.0001105, 0.0006346) |
| DKI Jakarta | Breast cancer                                 | 15  | 12.6 (1.4, 48.8)             | 0.000031 (0.0000035, 0.0001199) | 232.9 (73.5, 500.3)        | 0.000518 (0.0001634, 0.0011119) |
| DKI Jakarta | Cervical cancer                               | 15  |                              |                                 | 177.3 (56.3, 400.0)        | 0.000394 (0.0001251, 0.0008890) |
| DKI Jakarta | Other malignant neoplasms                     | 15  | 2,027.7 (1,453.0, 3,018.0)   | 0.004980 (0.0035683, 0.0074116) | 1,781.2 (1,304.5, 2,320.2) | 0.003959 (0.0028993, 0.0051565) |
| DKI Jakarta | Cerebrovascular disease                       | 15  | 499.5 (286.4, 806.2)         | 0.001227 (0.0007033, 0.0019799) | 513.8 (317.1, 762.4)       | 0.001142 (0.0007046, 0.0016944) |
| DKI Jakarta | Ischemic heart disease                        | 15  | 1,317.9 (874.3, 1,933.8)     | 0.003237 (0.0021471, 0.0047492) | 1,135.1 (795.6, 1,563.3)   | 0.002523 (0.0017682, 0.0034744) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 15  | 315.2 (163.4, 544.8)         | 0.000774 (0.0004013, 0.0013380) | 298.1 (161.1, 492.0)       | 0.000663 (0.0003581, 0.0010934) |
| DKI Jakarta | Diabetes mellitus                             | 15  | 525.8 (280.8, 895.5)         | 0.001291 (0.0006896, 0.0021991) | 690.2 (397.5, 1,097.3)     | 0.001534 (0.0008835, 0.0024386) |
| DKI Jakarta | Chronic kidney disease                        | 15  | 696.1 (421.6, 1,098.6)       | 0.001710 (0.0010354, 0.0026981) | 691.4 (429.2, 1,022.4)     | 0.001537 (0.0009539, 0.0022723) |
| DKI Jakarta | Cirrhosis                                     | 15  | 943.5 (591.6, 1,490.0)       | 0.002317 (0.0014528, 0.0036593) | 431.5 (274.9, 648.0)       | 0.000959 (0.0006110, 0.0014401) |
| DKI Jakarta | Chronic respiratory diseases                  | 15  | 450.1 (250.3, 717.3)         | 0.001106 (0.0006148, 0.0017616) | 205.7 (118.9, 326.9)       | 0.000457 (0.0002643, 0.0007266) |
| DKI Jakarta | Other non-communicable diseases               | 15  | 2,943.9 (2,171.0, 4,135.5)   | 0.007230 (0.0053316, 0.0101561) | 2,785.9 (2,170.1, 3,475.5) | 0.006191 (0.0048229, 0.0077240) |
| DKI Jakarta | Drowning                                      | 15  | 161.8 (38.8, 462.1)          | 0.000397 (0.0000953, 0.0011348) | 55.4 (13.5, 160.2)         | 0.000123 (0.0000300, 0.0003561) |
| DKI Jakarta | Falls                                         | 15  | 1,421.8 (859.2, 2,302.6)     | 0.003492 (0.0021101, 0.0056549) | 664.1 (406.7, 1,027.2)     | 0.001476 (0.0009040, 0.0022829) |
| DKI Jakarta | Interpersonal violence                        | 15  | 142.7 (34.2, 371.5)          | 0.000350 (0.0000839, 0.0009122) | 103.2 (25.2, 281.5)        | 0.000230 (0.0000560, 0.0006257) |
| DKI Jakarta | Self-harm                                     | 15  | 89.4 (15.0, 260.5)           | 0.000220 (0.0000368, 0.0006398) | 54.1 (9.1, 162.1)          | 0.000120 (0.0000203, 0.0003602) |
| DKI Jakarta | Transport injuries                            | 15  | 11,677.7 (9,199.2, 17,062.5) | 0.028679 (0.0225920, 0.0419030) | 4,808.0 (3,751.2, 5,867.1) | 0.010686 (0.0083368, 0.0130392) |
| DKI Jakarta | Other unintentional injuries                  | 15  | 223.8 (73.1, 519.9)          | 0.000550 (0.0001795, 0.0012768) | 94.6 (30.9, 231.9)         | 0.000210 (0.0000688, 0.0005154) |
| DKI Jakarta | Diarrheal diseases                            | 20  | 648.9 (376.7, 1,104.8)       | 0.001256 (0.0007289, 0.0021377) | 346.4 (202.9, 552.6)       | 0.000654 (0.0003830, 0.0010429) |
| DKI Jakarta | HIV/AIDS                                      | 20  | 1,789.7 (996.4, 3,027.4)     | 0.003463 (0.0019279, 0.0058576) | 647.9 (353.3, 1,058.0)     | 0.001223 (0.0006668, 0.0019967) |
| DKI Jakarta | Lower respiratory infections                  | 20  | 892.9 (560.0, 1,403.9)       | 0.001728 (0.0010835, 0.0027162) | 280.0 (170.2, 418.6)       | 0.000528 (0.0003211, 0.0007900) |
| DKI Jakarta | Malaria                                       | 20  | 41.3 (1.6, 218.7)            | 0.000080 (0.0000032, 0.0004232) | 15.2 (0.5, 80.4)           | 0.000029 (0.0000010, 0.0001518) |
| DKI Jakarta | Tuberculosis                                  | 20  | 6,047.0 (4,466.3, 8,835.4)   | 0.011700 (0.0086417, 0.0170951) | 1,804.1 (1,273.1, 2,422.0) | 0.003405 (0.0024026, 0.0045709) |
| DKI Jakarta | Maternal disorders                            | 20  |                              |                                 | 2,159.4 (1,368.3, 3,101.4) | 0.004075 (0.0025824, 0.0058530) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                         |                                 | Females                    |                                 |
|-------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|----------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DKI Jakarta | Other communicable diseases                   | 20  | 4,441.5 (3,184.4, 6,729.8)    | 0.008594 (0.0061614, 0.0130211) | 1,649.0 (1,172.0, 2,285.4) | 0.003112 (0.0022118, 0.0043131) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 20  | 547.1 (218.9, 1,181.7)        | 0.001059 (0.0004235, 0.0022863) | 233.5 (114.0, 419.2)       | 0.000441 (0.0002152, 0.0007912) |
| DKI Jakarta | Breast cancer                                 | 20  | 31.0 (6.2, 88.5)              | 0.000060 (0.0000120, 0.0001713) | 805.9 (450.4, 1,250.9)     | 0.001521 (0.0008499, 0.0023608) |
| DKI Jakarta | Cervical cancer                               | 20  |                               |                                 | 386.5 (189.9, 705.1)       | 0.000729 (0.0003584, 0.0013306) |
| DKI Jakarta | Other malignant neoplasms                     | 20  | 2,785.5 (1,980.2, 4,153.4)    | 0.005390 (0.0038313, 0.0080361) | 2,261.8 (1,650.3, 3,024.0) | 0.004268 (0.0031144, 0.0057069) |
| DKI Jakarta | Cerebrovascular disease                       | 20  | 1,317.5 (911.1, 2,033.7)      | 0.002549 (0.0017628, 0.0039348) | 910.2 (638.7, 1,209.9)     | 0.001718 (0.0012053, 0.0022834) |
| DKI Jakarta | Ischemic heart disease                        | 20  | 3,437.0 (2,485.5, 5,246.0)    | 0.006650 (0.0048091, 0.0101501) | 1,571.9 (1,158.1, 2,136.0) | 0.002967 (0.0021855, 0.0040311) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 20  | 675.5 (415.0, 1,112.6)        | 0.001307 (0.0008029, 0.0021526) | 494.2 (325.2, 723.7)       | 0.000933 (0.0006137, 0.0013657) |
| DKI Jakarta | Diabetes mellitus                             | 20  | 755.1 (431.4, 1,243.8)        | 0.001461 (0.0008346, 0.0024065) | 735.1 (463.2, 1,090.6)     | 0.001387 (0.0008741, 0.0020582) |
| DKI Jakarta | Chronic kidney disease                        | 20  | 1,618.8 (1,073.6, 2,456.4)    | 0.003132 (0.0020772, 0.0047527) | 1,187.6 (809.5, 1,644.6)   | 0.002241 (0.0015277, 0.0031037) |
| DKI Jakarta | Cirrhosis                                     | 20  | 2,172.5 (1,483.3, 3,216.3)    | 0.004204 (0.0028699, 0.0062230) | 738.3 (514.5, 1,050.1)     | 0.001393 (0.0009709, 0.0019818) |
| DKI Jakarta | Chronic respiratory diseases                  | 20  | 1,396.4 (899.1, 2,154.6)      | 0.002702 (0.0017397, 0.0041688) | 587.3 (389.5, 833.7)       | 0.001108 (0.0007351, 0.0015734) |
| DKI Jakarta | Other non-communicable diseases               | 20  | 3,935.3 (2,944.6, 5,889.5)    | 0.007614 (0.0056973, 0.0113952) | 2,695.0 (2,087.3, 3,433.7) | 0.005086 (0.0039393, 0.0064801) |
| DKI Jakarta | Drowning                                      | 20  | 153.8 (33.7, 442.2)           | 0.000298 (0.0000653, 0.0008556) | 35.2 (7.7, 102.0)          | 0.000066 (0.0000145, 0.0001925) |
| DKI Jakarta | Falls                                         | 20  | 1,907.6 (1,163.5, 3,075.7)    | 0.003691 (0.0022513, 0.0059511) | 594.9 (351.2, 913.3)       | 0.001123 (0.0006627, 0.0017235) |
| DKI Jakarta | Interpersonal violence                        | 20  | 247.2 (62.1, 659.9)           | 0.000478 (0.0001202, 0.0012768) | 120.1 (32.1, 330.2)        | 0.000227 (0.0000606, 0.0006232) |
| DKI Jakarta | Self-harm                                     | 20  | 135.0 (23.4, 396.3)           | 0.000261 (0.0000452, 0.0007667) | 55.0 (8.9, 163.1)          | 0.000104 (0.0000169, 0.0003077) |
| DKI Jakarta | Transport injuries                            | 20  | 13,244.1 (10,417.2, 19,550.1) | 0.025625 (0.0201556, 0.0378262) | 3,424.5 (2,620.6, 4,367.1) | 0.006463 (0.0049456, 0.0082416) |
| DKI Jakarta | Other unintentional injuries                  | 20  | 352.4 (117.2, 858.4)          | 0.000682 (0.0002268, 0.0016608) | 100.0 (31.6, 255.8)        | 0.000189 (0.0000596, 0.0004827) |
| DKI Jakarta | Diarrheal diseases                            | 25  | 945.6 (579.7, 1,466.7)        | 0.001553 (0.0009518, 0.0024080) | 422.6 (246.4, 648.3)       | 0.000726 (0.0004235, 0.0011141) |
| DKI Jakarta | HIV/AIDS                                      | 25  | 3,345.4 (2,118.1, 5,085.2)    | 0.005492 (0.0034773, 0.0083485) | 1,002.5 (608.4, 1,517.2)   | 0.001723 (0.0010454, 0.0026071) |
| DKI Jakarta | Lower respiratory infections                  | 25  | 872.4 (556.0, 1,289.2)        | 0.001432 (0.0009128, 0.0021166) | 227.1 (133.5, 343.6)       | 0.000390 (0.0002294, 0.0005904) |
| DKI Jakarta | Malaria                                       | 25  | 50.5 (2.1, 261.6)             | 0.000083 (0.0000034, 0.0004294) | 15.2 (0.6, 91.6)           | 0.000026 (0.0000009, 0.0001574) |
| DKI Jakarta | Tuberculosis                                  | 25  | 8,685.9 (6,692.8, 12,049.9)   | 0.014260 (0.0109878, 0.0197827) | 2,091.8 (1,456.6, 2,856.0) | 0.003595 (0.0025031, 0.0049077) |
| DKI Jakarta | Maternal disorders                            | 25  |                               |                                 | 2,747.5 (1,800.1, 3,886.8) | 0.004721 (0.0030933, 0.0066789) |
| DKI Jakarta | Other communicable diseases                   | 25  | 4,673.1 (3,484.4, 6,804.1)    | 0.007672 (0.0057204, 0.0111705) | 1,464.0 (1,012.8, 2,022.7) | 0.002516 (0.0017403, 0.0034758) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 25  | 468.7 (151.9, 1,136.8)        | 0.000770 (0.0002494, 0.0018662) | 282.5 (147.9, 487.0)       | 0.000485 (0.0002542, 0.0008369) |
| DKI Jakarta | Breast cancer                                 | 25  | 39.0 (11.9, 97.4)             | 0.000064 (0.0000195, 0.0001600) | 1,668.9 (1,084.1, 2,349.0) | 0.002868 (0.0018629, 0.0040364) |
| DKI Jakarta | Cervical cancer                               | 25  |                               |                                 | 603.4 (308.1, 1,030.0)     | 0.001037 (0.0005294, 0.0017700) |
| DKI Jakarta | Other malignant neoplasms                     | 25  | 4,713.7 (3,632.7, 6,787.8)    | 0.007739 (0.0059639, 0.0111438) | 2,463.0 (1,801.7, 3,365.2) | 0.004232 (0.0030960, 0.0057827) |
| DKI Jakarta | Cerebrovascular disease                       | 25  | 2,409.9 (1,835.3, 3,437.6)    | 0.003956 (0.0030131, 0.0056435) | 1,368.2 (1,044.0, 1,810.8) | 0.002351 (0.0017941, 0.0031116) |
| DKI Jakarta | Ischemic heart disease                        | 25  | 6,521.8 (5,160.1, 9,184.7)    | 0.010707 (0.0084715, 0.0150788) | 2,403.3 (1,836.6, 3,227.7) | 0.004130 (0.0031560, 0.0055464) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 25  | 974.8 (675.4, 1,480.1)        | 0.001600 (0.0011089, 0.0024299) | 590.3 (411.7, 852.9)       | 0.001014 (0.0007075, 0.0014656) |
| DKI Jakarta | Diabetes mellitus                             | 25  | 1,457.6 (1,010.4, 2,156.6)    | 0.002393 (0.0016588, 0.0035405) | 1,131.3 (782.4, 1,580.0)   | 0.001944 (0.0013444, 0.0027150) |
| DKI Jakarta | Chronic kidney disease                        | 25  | 2,164.9 (1,534.3, 3,119.2)    | 0.003554 (0.0025189, 0.0051209) | 1,264.4 (854.6, 1,791.4)   | 0.002173 (0.0014685, 0.0030782) |
| DKI Jakarta | Cirrhosis                                     | 25  | 3,261.9 (2,445.6, 4,530.4)    | 0.005355 (0.0040150, 0.0074376) | 901.3 (642.2, 1,251.5)     | 0.001549 (0.0011036, 0.0021506) |
| DKI Jakarta | Chronic respiratory diseases                  | 25  | 2,017.9 (1,443.9, 2,884.7)    | 0.003313 (0.0023704, 0.0047359) | 678.0 (465.0, 943.5)       | 0.001165 (0.0007990, 0.0016212) |
| DKI Jakarta | Other non-communicable diseases               | 25  | 4,825.6 (3,767.7, 6,748.1)    | 0.007922 (0.0061855, 0.0110784) | 2,728.2 (2,084.7, 3,548.2) | 0.004688 (0.0035822, 0.0060972) |
| DKI Jakarta | Drowning                                      | 25  | 87.3 (19.9, 272.3)            | 0.000143 (0.0000327, 0.0004470) | 16.8 (3.8, 51.5)           | 0.000029 (0.0000066, 0.0000885) |
| DKI Jakarta | Falls                                         | 25  | 2,547.3 (1,606.4, 3,869.3)    | 0.004182 (0.0026373, 0.0063523) | 657.2 (410.6, 1,002.6)     | 0.001129 (0.0007055, 0.0017229) |
| DKI Jakarta | Interpersonal violence                        | 25  | 282.6 (78.6, 711.9)           | 0.000464 (0.0001290, 0.0011688) | 108.7 (28.6, 285.0)        | 0.000187 (0.0000491, 0.0004898) |
| DKI Jakarta | Self-harm                                     | 25  | 147.9 (26.5, 427.8)           | 0.000243 (0.0000434, 0.0007023) | 47.4 (7.6, 137.9)          | 0.000081 (0.0000131, 0.0002370) |
| DKI Jakarta | Transport injuries                            | 25  | 8,884.5 (6,794.6, 12,789.9)   | 0.014586 (0.0111549, 0.0209975) | 1,739.6 (1,230.4, 2,454.4) | 0.002989 (0.0021143, 0.0042175) |
| DKI Jakarta | Other unintentional injuries                  | 25  | 437.3 (146.7, 1,055.6)        | 0.000718 (0.0002408, 0.0017330) | 100.1 (31.6, 251.6)        | 0.000172 (0.0000542, 0.0004323) |
| DKI Jakarta | Diarrheal diseases                            | 30  | 847.7 (526.0, 1,306.9)        | 0.001575 (0.0009770, 0.0024276) | 393.7 (239.9, 609.9)       | 0.000790 (0.0004815, 0.0012242) |
| DKI Jakarta | HIV/AIDS                                      | 30  | 2,666.3 (1,751.1, 3,994.4)    | 0.004953 (0.0032526, 0.0074194) | 871.9 (552.5, 1,354.0)     | 0.001750 (0.0011090, 0.0027177) |
| DKI Jakarta | Lower respiratory infections                  | 30  | 632.6 (419.3, 949.2)          | 0.001175 (0.0007788, 0.0017630) | 181.7 (108.6, 283.6)       | 0.000365 (0.0002180, 0.0005692) |
| DKI Jakarta | Malaria                                       | 30  | 34.1 (1.4, 173.5)             | 0.000063 (0.0000027, 0.0003223) | 10.2 (0.4, 58.0)           | 0.000021 (0.0000008, 0.0001164) |
| DKI Jakarta | Tuberculosis                                  | 30  | 6,865.6 (5,319.0, 9,812.0)    | 0.012753 (0.0098798, 0.0182255) | 1,733.3 (1,199.9, 2,441.2) | 0.003479 (0.0024084, 0.0049001) |
| DKI Jakarta | Maternal disorders                            | 30  |                               |                                 | 2,148.3 (1,391.2, 3,197.3) | 0.004312 (0.0027924, 0.0064177) |
| DKI Jakarta | Other communicable diseases                   | 30  | 2,611.2 (1,902.3, 3,807.1)    | 0.004850 (0.0035334, 0.0070715) | 860.9 (581.5, 1,240.0)     | 0.001728 (0.0011672, 0.0024889) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 30  | 909.0 (356.9, 1,876.0)        | 0.001689 (0.0006629, 0.0034845) | 272.7 (147.8, 463.0)       | 0.000547 (0.0002966, 0.0009292) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|-------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DKI Jakarta | Breast cancer                                 | 30  | 33.0 (7.7, 100.0)           | 0.000061 (0.0000142, 0.0001857) | 2,176.9 (1,499.9, 3,064.0) | 0.004369 (0.0030105, 0.0061501) |
| DKI Jakarta | Cervical cancer                               | 30  |                             |                                 | 718.4 (393.2, 1,157.7)     | 0.001442 (0.0007892, 0.0023238) |
| DKI Jakarta | Other malignant neoplasms                     | 30  | 4,756.4 (3,659.1, 6,658.3)  | 0.008835 (0.0067967, 0.0123675) | 2,109.8 (1,518.1, 2,946.1) | 0.004235 (0.0030472, 0.0059135) |
| DKI Jakarta | Cerebrovascular disease                       | 30  | 3,053.8 (2,369.9, 4,282.0)  | 0.005672 (0.0044020, 0.0079536) | 1,816.1 (1,374.5, 2,498.2) | 0.003645 (0.0027590, 0.0050143) |
| DKI Jakarta | Ischemic heart disease                        | 30  | 7,682.7 (6,168.2, 10,599.9) | 0.014270 (0.0114572, 0.0196890) | 2,888.7 (2,154.3, 3,939.4) | 0.005798 (0.0043242, 0.0079072) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 30  | 940.3 (664.5, 1,383.7)      | 0.001747 (0.0012343, 0.0025703) | 597.3 (420.5, 846.6)       | 0.001199 (0.0008440, 0.0016993) |
| DKI Jakarta | Diabetes mellitus                             | 30  | 1,950.5 (1,430.8, 2,806.2)  | 0.003623 (0.0026577, 0.0052125) | 1,534.9 (1,098.1, 2,166.8) | 0.003081 (0.0022042, 0.0043492) |
| DKI Jakarta | Chronic kidney disease                        | 30  | 1,931.3 (1,390.3, 2,772.0)  | 0.003587 (0.0025824, 0.0051489) | 1,142.6 (773.4, 1,644.7)   | 0.002294 (0.0015524, 0.0033012) |
| DKI Jakarta | Cirrhosis                                     | 30  | 3,446.0 (2,578.5, 4,926.0)  | 0.006401 (0.0047894, 0.0091499) | 999.2 (715.5, 1,387.7)     | 0.002006 (0.0014361, 0.0027853) |
| DKI Jakarta | Chronic respiratory diseases                  | 30  | 1,609.5 (1,122.3, 2,324.8)  | 0.002990 (0.0020846, 0.0043181) | 583.9 (395.4, 839.9)       | 0.001172 (0.0007936, 0.0016859) |
| DKI Jakarta | Other non-communicable diseases               | 30  | 3,977.4 (3,133.9, 5,553.8)  | 0.007388 (0.0058212, 0.0103159) | 2,364.1 (1,744.3, 3,188.0) | 0.004745 (0.0035011, 0.0063989) |
| DKI Jakarta | Drowning                                      | 30  | 77.3 (17.8, 239.2)          | 0.000144 (0.0000330, 0.0004442) | 16.5 (3.7, 51.3)           | 0.000033 (0.0000073, 0.0001030) |
| DKI Jakarta | Falls                                         | 30  | 2,381.7 (1,536.1, 3,557.8)  | 0.004424 (0.0028532, 0.0066085) | 662.9 (426.1, 993.3)       | 0.001331 (0.0008553, 0.0019937) |
| DKI Jakarta | Interpersonal violence                        | 30  | 178.5 (48.0, 487.5)         | 0.000332 (0.0000891, 0.0009055) | 68.7 (17.7, 179.8)         | 0.000138 (0.0000356, 0.0003608) |
| DKI Jakarta | Self-harm                                     | 30  | 92.0 (16.0, 266.8)          | 0.000171 (0.0000298, 0.0004955) | 29.2 (4.9, 92.0)           | 0.000059 (0.0000098, 0.0001846) |
| DKI Jakarta | Transport injuries                            | 30  | 6,041.4 (4,631.1, 9,022.7)  | 0.011222 (0.0086021, 0.0167594) | 1,230.9 (840.4, 1,773.0)   | 0.002471 (0.0016868, 0.0035587) |
| DKI Jakarta | Other unintentional injuries                  | 30  | 318.7 (111.4, 746.5)        | 0.000592 (0.0002069, 0.0013866) | 75.5 (24.5, 191.4)         | 0.000152 (0.0000492, 0.0003842) |
| DKI Jakarta | Diarrheal diseases                            | 35  | 624.1 (403.4, 991.5)        | 0.001377 (0.0008897, 0.0021869) | 393.2 (238.2, 615.8)       | 0.000954 (0.0005777, 0.0014936) |
| DKI Jakarta | HIV/AIDS                                      | 35  | 2,025.5 (1,267.9, 3,142.2)  | 0.004468 (0.0027966, 0.0069309) | 857.0 (519.5, 1,302.9)     | 0.002079 (0.0012601, 0.0031602) |
| DKI Jakarta | Lower respiratory infections                  | 35  | 594.8 (395.8, 901.6)        | 0.001312 (0.0008730, 0.0019888) | 226.1 (139.1, 344.0)       | 0.000548 (0.0003373, 0.0008343) |
| DKI Jakarta | Malaria                                       | 35  | 24.7 (1.0, 133.2)           | 0.000055 (0.0000022, 0.0002938) | 9.5 (0.3, 52.7)            | 0.000023 (0.0000008, 0.0001277) |
| DKI Jakarta | Tuberculosis                                  | 35  | 6,343.9 (4,889.2, 8,988.0)  | 0.013993 (0.0107840, 0.0198250) | 1,984.4 (1,410.3, 2,800.2) | 0.004813 (0.0034206, 0.0067916) |
| DKI Jakarta | Maternal disorders                            | 35  |                             |                                 | 1,512.4 (921.3, 2,326.5)   | 0.003668 (0.0022345, 0.0056428) |
| DKI Jakarta | Other communicable diseases                   | 35  | 1,967.8 (1,411.2, 2,841.3)  | 0.004340 (0.0031128, 0.0062670) | 892.0 (593.0, 1,274.7)     | 0.002163 (0.0014382, 0.0030917) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 35  | 654.4 (284.0, 1,269.2)      | 0.001443 (0.0006264, 0.0027995) | 325.6 (191.8, 514.7)       | 0.000790 (0.0004651, 0.0012485) |
| DKI Jakarta | Breast cancer                                 | 35  | 44.6 (10.1, 135.1)          | 0.000098 (0.0000223, 0.0002980) | 2,780.4 (1,978.5, 3,849.9) | 0.006744 (0.0047988, 0.0093376) |
| DKI Jakarta | Cervical cancer                               | 35  |                             |                                 | 1,031.0 (622.2, 1,649.5)   | 0.002501 (0.0015090, 0.0040008) |
| DKI Jakarta | Other malignant neoplasms                     | 35  | 5,213.1 (3,990.8, 7,363.3)  | 0.011499 (0.0088025, 0.0162412) | 2,054.0 (1,451.6, 2,963.5) | 0.004982 (0.0035207, 0.0071876) |
| DKI Jakarta | Cerebrovascular disease                       | 35  | 4,205.7 (3,280.9, 5,772.0)  | 0.009277 (0.0072366, 0.0127314) | 2,693.9 (2,005.3, 3,686.5) | 0.006534 (0.0048637, 0.0089413) |
| DKI Jakarta | Ischemic heart disease                        | 35  | 9,500.8 (7,634.3, 13,151.8) | 0.020956 (0.0168390, 0.0290091) | 3,766.2 (2,802.6, 5,187.2) | 0.009135 (0.0067974, 0.0125811) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 35  | 1,020.7 (728.2, 1,469.1)    | 0.002251 (0.0016061, 0.0032403) | 695.3 (493.8, 999.5)       | 0.001686 (0.0011978, 0.0024243) |
| DKI Jakarta | Diabetes mellitus                             | 35  | 3,084.2 (2,292.5, 4,291.7)  | 0.006803 (0.0050565, 0.0094663) | 2,520.7 (1,838.8, 3,460.5) | 0.006114 (0.0044599, 0.0083931) |
| DKI Jakarta | Chronic kidney disease                        | 35  | 1,943.8 (1,396.0, 2,818.4)  | 0.004287 (0.0030791, 0.0062165) | 1,194.1 (813.2, 1,736.9)   | 0.002896 (0.0019723, 0.0042127) |
| DKI Jakarta | Cirrhosis                                     | 35  | 3,724.8 (2,808.3, 5,205.0)  | 0.008216 (0.0061942, 0.0114807) | 1,171.0 (835.0, 1,649.2)   | 0.002840 (0.0020252, 0.0040001) |
| DKI Jakarta | Chronic respiratory diseases                  | 35  | 1,672.4 (1,192.6, 2,466.4)  | 0.003689 (0.0026305, 0.0054402) | 631.8 (423.1, 908.7)       | 0.001532 (0.0010262, 0.0022039) |
| DKI Jakarta | Other non-communicable diseases               | 35  | 3,519.9 (2,754.6, 4,938.6)  | 0.007764 (0.0060758, 0.0108930) | 2,255.8 (1,633.9, 3,109.6) | 0.005471 (0.0039629, 0.0075422) |
| DKI Jakarta | Drowning                                      | 35  | 89.7 (20.3, 264.9)          | 0.000198 (0.0000447, 0.0005843) | 22.7 (5.4, 67.4)           | 0.000055 (0.0000130, 0.0001634) |
| DKI Jakarta | Falls                                         | 35  | 2,218.6 (1,462.7, 3,214.6)  | 0.004894 (0.0032263, 0.0070906) | 709.6 (445.3, 1,061.0)     | 0.001721 (0.0010800, 0.0025734) |
| DKI Jakarta | Interpersonal violence                        | 35  | 136.7 (35.9, 371.3)         | 0.000302 (0.0000792, 0.0008190) | 55.1 (14.4, 151.6)         | 0.000134 (0.0000350, 0.0003678) |
| DKI Jakarta | Self-harm                                     | 35  | 74.9 (12.5, 213.7)          | 0.000165 (0.0000275, 0.0004714) | 24.6 (3.9, 74.8)           | 0.000060 (0.0000094, 0.0001813) |
| DKI Jakarta | Transport injuries                            | 35  | 4,422.0 (3,259.3, 6,370.8)  | 0.009754 (0.0071891, 0.0140521) | 990.3 (658.1, 1,436.8)     | 0.002402 (0.0015961, 0.0034848) |
| DKI Jakarta | Other unintentional injuries                  | 35  | 269.7 (96.8, 638.4)         | 0.000595 (0.0002135, 0.0014081) | 69.7 (22.4, 169.4)         | 0.000169 (0.0000543, 0.0004108) |
| DKI Jakarta | Diarrheal diseases                            | 40  | 599.0 (380.9, 946.4)        | 0.001608 (0.0010224, 0.0025404) | 500.5 (306.8, 779.9)       | 0.001427 (0.0008746, 0.0022233) |
| DKI Jakarta | HIV/AIDS                                      | 40  | 978.3 (567.2, 1,546.9)      | 0.002626 (0.0015226, 0.0041522) | 553.5 (315.8, 868.1)       | 0.001578 (0.0009001, 0.0024747) |
| DKI Jakarta | Lower respiratory infections                  | 40  | 546.6 (368.8, 821.5)        | 0.001467 (0.0009899, 0.0022050) | 293.5 (187.9, 445.1)       | 0.000837 (0.0005356, 0.0012688) |
| DKI Jakarta | Malaria                                       | 40  | 22.3 (0.8, 113.0)           | 0.000060 (0.0000022, 0.0003034) | 10.1 (0.3, 51.9)           | 0.000029 (0.0000010, 0.0001480) |
| DKI Jakarta | Tuberculosis                                  | 40  | 5,572.3 (4,339.0, 7,663.8)  | 0.014958 (0.0116470, 0.0205717) | 2,178.6 (1,595.4, 2,993.6) | 0.006211 (0.0045479, 0.0085339) |
| DKI Jakarta | Maternal disorders                            | 40  |                             |                                 | 497.7 (271.4, 825.0)       | 0.001419 (0.0007737, 0.0023518) |
| DKI Jakarta | Other communicable diseases                   | 40  | 1,683.1 (1,188.7, 2,467.9)  | 0.004518 (0.0031907, 0.0066244) | 1,045.7 (716.7, 1,478.9)   | 0.002981 (0.0020432, 0.0042159) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 40  | 1,027.2 (579.0, 1,719.2)    | 0.002757 (0.0015543, 0.0046148) | 397.7 (241.8, 622.6)       | 0.001134 (0.0006893, 0.0017748) |
| DKI Jakarta | Breast cancer                                 | 40  | 68.6 (19.4, 173.5)          | 0.000184 (0.0000521, 0.0004658) | 3,173.7 (2,272.4, 4,361.3) | 0.009047 (0.0064779, 0.0124325) |
| DKI Jakarta | Cervical cancer                               | 40  |                             |                                 | 1,290.1 (794.3, 1,982.4)   | 0.003678 (0.0022642, 0.0056511) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                    |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| DKI Jakarta | Other malignant neoplasms                     | 40  | 5,589.2       | (4,269.8, 8,049.1)   | 0.015003                 | (0.0114613, 0.0216059) | 1,938.1       | (1,361.7, 2,723.2) | 0.005525                 | (0.0038818, 0.0077630) |
| DKI Jakarta | Cerebrovascular disease                       | 40  | 5,819.0       | (4,574.3, 7,852.6)   | 0.015620                 | (0.0122785, 0.0210785) | 3,905.9       | (2,942.9, 5,170.2) | 0.011135                 | (0.0083892, 0.0147385) |
| DKI Jakarta | Ischemic heart disease                        | 40  | 12,555.3      | (10,155.6, 17,239.9) | 0.033702                 | (0.0272603, 0.0462764) | 5,067.7       | (3,753.2, 6,870.6) | 0.014446                 | (0.0106991, 0.0195860) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 40  | 1,230.9       | (890.4, 1,798.3)     | 0.003304                 | (0.0023901, 0.0048272) | 855.9         | (600.5, 1,200.4)   | 0.002440                 | (0.0017119, 0.0034219) |
| DKI Jakarta | Diabetes mellitus                             | 40  | 5,530.1       | (4,280.5, 7,555.1)   | 0.014844                 | (0.0114900, 0.0202799) | 4,437.2       | (3,325.3, 6,037.9) | 0.012649                 | (0.0094795, 0.0172120) |
| DKI Jakarta | Chronic kidney disease                        | 40  | 2,168.9       | (1,567.5, 3,059.3)   | 0.005822                 | (0.0042076, 0.0082120) | 1,302.5       | (891.5, 1,911.0)   | 0.003713                 | (0.0025412, 0.0054478) |
| DKI Jakarta | Cirrhosis                                     | 40  | 3,990.4       | (3,007.4, 5,463.4)   | 0.010711                 | (0.0080727, 0.0146651) | 1,328.4       | (934.6, 1,871.5)   | 0.003787                 | (0.0026643, 0.0053349) |
| DKI Jakarta | Chronic respiratory diseases                  | 40  | 1,792.2       | (1,306.0, 2,524.8)   | 0.004811                 | (0.0035056, 0.0067772) | 706.5         | (484.9, 1,017.5)   | 0.002014                 | (0.0013822, 0.0029004) |
| DKI Jakarta | Other non-communicable diseases               | 40  | 3,286.2       | (2,548.0, 4,615.6)   | 0.008821                 | (0.0068396, 0.0123895) | 2,189.7       | (1,582.6, 2,976.1) | 0.006242                 | (0.0045114, 0.0084840) |
| DKI Jakarta | Drowning                                      | 40  | 39.2          | (8.5, 121.1)         | 0.000105                 | (0.0000227, 0.0003251) | 12.0          | (2.7, 37.3)        | 0.000034                 | (0.0000076, 0.0001063) |
| DKI Jakarta | Falls                                         | 40  | 1,631.7       | (1,059.1, 2,389.0)   | 0.004380                 | (0.0028430, 0.0064128) | 596.9         | (388.0, 886.4)     | 0.001702                 | (0.0011061, 0.0025268) |
| DKI Jakarta | Interpersonal violence                        | 40  | 90.5          | (23.3, 236.5)        | 0.000243                 | (0.0000624, 0.0006347) | 34.7          | (8.2, 96.6)        | 0.000099                 | (0.0000233, 0.0002753) |
| DKI Jakarta | Self-harm                                     | 40  | 56.2          | (9.1, 167.7)         | 0.000151                 | (0.0000245, 0.0004502) | 17.1          | (2.7, 52.0)        | 0.000049                 | (0.0000078, 0.0001482) |
| DKI Jakarta | Transport injuries                            | 40  | 2,972.5       | (2,136.4, 4,225.4)   | 0.007979                 | (0.0057346, 0.0113422) | 717.2         | (481.6, 1,053.0)   | 0.002045                 | (0.0013728, 0.0030018) |
| DKI Jakarta | Other unintentional injuries                  | 40  | 180.7         | (62.6, 427.6)        | 0.000485                 | (0.0001679, 0.0011479) | 48.2          | (16.3, 119.6)      | 0.000138                 | (0.0000464, 0.0003411) |
| DKI Jakarta | Diarrheal diseases                            | 45  | 507.2         | (311.1, 818.8)       | 0.001736                 | (0.0010647, 0.0028027) | 579.5         | (376.4, 830.9)     | 0.001997                 | (0.0012971, 0.0028633) |
| DKI Jakarta | HIV/AIDS                                      | 45  | 435.1         | (233.0, 740.7)       | 0.001489                 | (0.0007975, 0.0025355) | 354.2         | (191.4, 587.9)     | 0.001221                 | (0.0006594, 0.0020259) |
| DKI Jakarta | Lower respiratory infections                  | 45  | 544.2         | (372.4, 804.2)       | 0.001863                 | (0.0012747, 0.0027526) | 447.4         | (294.7, 660.8)     | 0.001542                 | (0.0010157, 0.0022773) |
| DKI Jakarta | Malaria                                       | 45  | 16.7          | (0.7, 90.3)          | 0.000057                 | (0.0000022, 0.0003089) | 9.6           | (0.3, 51.3)        | 0.000033                 | (0.0000012, 0.0001769) |
| DKI Jakarta | Tuberculosis                                  | 45  | 4,976.2       | (3,826.8, 7,001.7)   | 0.017033                 | (0.0130990, 0.0239662) | 2,772.3       | (2,065.2, 3,678.6) | 0.009553                 | (0.0071168, 0.0126768) |
| DKI Jakarta | Maternal disorders                            | 45  |               |                      |                          |                        | 120.1         | (52.5, 230.3)      | 0.000414                 | (0.0001810, 0.0007935) |
| DKI Jakarta | Other communicable diseases                   | 45  | 1,220.0       | (854.8, 1,800.8)     | 0.004176                 | (0.0029261, 0.0061640) | 1,058.1       | (734.0, 1,462.2)   | 0.003646                 | (0.0025294, 0.0050389) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 45  | 1,438.5       | (908.7, 2,298.3)     | 0.004924                 | (0.0031103, 0.0078669) | 514.6         | (320.7, 806.7)     | 0.001773                 | (0.0011050, 0.0027799) |
| DKI Jakarta | Breast cancer                                 | 45  | 83.0          | (30.0, 179.8)        | 0.000284                 | (0.0001028, 0.0006154) | 3,317.8       | (2,380.6, 4,479.5) | 0.011433                 | (0.0082037, 0.0154368) |
| DKI Jakarta | Cervical cancer                               | 45  |               |                      |                          |                        | 1,335.8       | (838.7, 2,016.0)   | 0.004603                 | (0.0028903, 0.0069474) |
| DKI Jakarta | Other malignant neoplasms                     | 45  | 4,889.9       | (3,657.4, 6,898.3)   | 0.016738                 | (0.0125192, 0.0236125) | 1,886.1       | (1,338.9, 2,601.6) | 0.006500                 | (0.0046140, 0.0089652) |
| DKI Jakarta | Cerebrovascular disease                       | 45  | 6,650.4       | (5,076.6, 9,022.5)   | 0.022764                 | (0.0173768, 0.0308833) | 5,707.5       | (4,391.2, 7,373.0) | 0.019669                 | (0.0151326, 0.0254082) |
| DKI Jakarta | Ischemic heart disease                        | 45  | 12,147.8      | (9,573.2, 17,051.5)  | 0.041581                 | (0.0327683, 0.0583661) | 6,433.0       | (4,949.8, 8,371.4) | 0.022169                 | (0.0170573, 0.0288486) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 45  | 1,329.6       | (966.1, 1,952.7)     | 0.004551                 | (0.0033069, 0.0066839) | 1,129.1       | (811.2, 1,573.2)   | 0.003891                 | (0.0027956, 0.0054213) |
| DKI Jakarta | Diabetes mellitus                             | 45  | 7,147.2       | (5,442.6, 9,864.3)   | 0.024464                 | (0.0186298, 0.0337647) | 7,056.3       | (5,396.5, 9,229.6) | 0.024317                 | (0.0185967, 0.0318061) |
| DKI Jakarta | Chronic kidney disease                        | 45  | 1,924.4       | (1,346.5, 2,750.0)   | 0.006587                 | (0.0046091, 0.0094130) | 1,425.3       | (976.4, 2,038.8)   | 0.004912                 | (0.0033646, 0.0070260) |
| DKI Jakarta | Cirrhosis                                     | 45  | 3,346.2       | (2,457.7, 4,578.9)   | 0.011454                 | (0.0084124, 0.0156731) | 1,446.3       | (1,042.3, 1,975.8) | 0.004984                 | (0.0035919, 0.0068090) |
| DKI Jakarta | Chronic respiratory diseases                  | 45  | 2,032.5       | (1,470.4, 2,857.7)   | 0.006957                 | (0.0050331, 0.0097818) | 1,021.0       | (714.5, 1,409.3)   | 0.003518                 | (0.0024622, 0.0048567) |
| DKI Jakarta | Other non-communicable diseases               | 45  | 2,709.8       | (2,055.9, 3,848.6)   | 0.009276                 | (0.0070371, 0.0131734) | 2,266.8       | (1,691.8, 2,997.7) | 0.007812                 | (0.0058301, 0.0103302) |
| DKI Jakarta | Drowning                                      | 45  | 20.3          | (4.1, 60.6)          | 0.000070                 | (0.0000141, 0.0002074) | 8.7           | (1.9, 26.2)        | 0.000030                 | (0.0000066, 0.0000904) |
| DKI Jakarta | Falls                                         | 45  | 1,395.7       | (921.1, 2,020.5)     | 0.004777                 | (0.0031530, 0.0069159) | 689.6         | (465.0, 998.6)     | 0.002377                 | (0.0016024, 0.0034413) |
| DKI Jakarta | Interpersonal violence                        | 45  | 61.1          | (15.0, 160.1)        | 0.000209                 | (0.0000512, 0.0005480) | 28.0          | (6.8, 78.5)        | 0.000097                 | (0.0000235, 0.0002706) |
| DKI Jakarta | Self-harm                                     | 45  | 43.2          | (7.6, 122.7)         | 0.000148                 | (0.0000260, 0.0004200) | 15.4          | (2.4, 47.3)        | 0.000053                 | (0.0000083, 0.0001630) |
| DKI Jakarta | Transport injuries                            | 45  | 2,304.2       | (1,632.9, 3,390.4)   | 0.007887                 | (0.0055892, 0.0116050) | 723.7         | (474.1, 1,062.4)   | 0.002494                 | (0.0016339, 0.0036611) |
| DKI Jakarta | Other unintentional injuries                  | 45  | 131.5         | (43.4, 314.0)        | 0.000450                 | (0.0001486, 0.0010749) | 44.4          | (14.3, 113.4)      | 0.000153                 | (0.0000493, 0.0003908) |
| DKI Jakarta | Diarrheal diseases                            | 50  | 606.1         | (392.8, 931.8)       | 0.002640                 | (0.0017105, 0.0040579) | 670.0         | (460.1, 957.1)     | 0.002918                 | (0.0020038, 0.0041683) |
| DKI Jakarta | HIV/AIDS                                      | 50  | 173.6         | (83.0, 331.5)        | 0.000756                 | (0.0003613, 0.0014435) | 144.8         | (67.8, 260.1)      | 0.000631                 | (0.0002952, 0.0011326) |
| DKI Jakarta | Lower respiratory infections                  | 50  | 642.3         | (429.7, 971.5)       | 0.002797                 | (0.0018712, 0.0042306) | 536.6         | (363.2, 762.8)     | 0.002337                 | (0.0015820, 0.0033223) |
| DKI Jakarta | Malaria                                       | 50  | 15.8          | (0.6, 90.5)          | 0.000069                 | (0.0000027, 0.0003940) | 9.1           | (0.3, 47.1)        | 0.000039                 | (0.0000014, 0.0002053) |
| DKI Jakarta | Tuberculosis                                  | 50  | 5,158.1       | (3,947.7, 7,077.0)   | 0.022462                 | (0.0171912, 0.0308183) | 2,977.4       | (2,262.0, 3,824.5) | 0.012967                 | (0.0098515, 0.0166569) |
| DKI Jakarta | Maternal disorders                            | 50  |               |                      |                          |                        | 37.9          | (11.6, 98.9)       | 0.000165                 | (0.0000504, 0.0004306) |
| DKI Jakarta | Other communicable diseases                   | 50  | 1,100.8       | (750.2, 1,625.1)     | 0.004794                 | (0.0032667, 0.0070767) | 917.1         | (644.8, 1,271.0)   | 0.003994                 | (0.0028081, 0.0055355) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 50  | 1,767.6       | (1,162.4, 2,728.7)   | 0.007697                 | (0.0050621, 0.0118826) | 551.6         | (354.3, 839.1)     | 0.002402                 | (0.0015430, 0.0036544) |
| DKI Jakarta | Breast cancer                                 | 50  | 82.2          | (39.1, 159.4)        | 0.000358                 | (0.0001701, 0.0006941) | 2,661.1       | (1,914.3, 3,525.1) | 0.011590                 | (0.0083375, 0.0153528) |
| DKI Jakarta | Cervical cancer                               | 50  |               |                      |                          |                        | 1,099.3       | (691.1, 1,660.3)   | 0.004788                 | (0.0030101, 0.0072309) |
| DKI Jakarta | Other malignant neoplasms                     | 50  | 3,970.4       | (2,955.2, 5,535.4)   | 0.017290                 | (0.0128689, 0.0241053) | 1,689.6       | (1,203.4, 2,319.0) | 0.007359                 | (0.0052411, 0.0100997) |
| DKI Jakarta | Cerebrovascular disease                       | 50  | 8,285.6       | (6,299.0, 11,404.0)  | 0.036082                 | (0.0274303, 0.0496612) | 7,032.9       | (5,562.7, 8,904.9) | 0.030630                 | (0.0242269, 0.0387829) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| DKI Jakarta | Ischemic heart disease                        | 50  | 13,602.9      | (10,508.7, 19,130.3) | 0.059237                 | (0.0457625, 0.0833069) | 7,268.8       | (5,643.2, 9,332.4)  | 0.031657                 | (0.0245777, 0.0406449) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 50  | 1,633.1       | (1,172.7, 2,349.6)   | 0.007112                 | (0.0051070, 0.0102319) | 1,381.1       | (1,008.5, 1,878.5)  | 0.006015                 | (0.0043922, 0.0081815) |
| DKI Jakarta | Diabetes mellitus                             | 50  | 8,727.4       | (6,723.8, 11,626.7)  | 0.038006                 | (0.0292800, 0.0506308) | 8,582.2       | (6,642.4, 10,987.6) | 0.037378                 | (0.0289294, 0.0478538) |
| DKI Jakarta | Chronic kidney disease                        | 50  | 1,889.2       | (1,297.6, 2,774.3)   | 0.008227                 | (0.0056506, 0.0120814) | 1,417.2       | (976.9, 1,981.8)    | 0.006172                 | (0.0042548, 0.0086312) |
| DKI Jakarta | Cirrhosis                                     | 50  | 3,199.6       | (2,302.8, 4,453.1)   | 0.013933                 | (0.0100279, 0.0193918) | 1,377.6       | (996.5, 1,880.9)    | 0.006000                 | (0.0043402, 0.0081917) |
| DKI Jakarta | Chronic respiratory diseases                  | 50  | 2,513.5       | (1,839.8, 3,643.9)   | 0.010946                 | (0.0080117, 0.0158682) | 1,315.2       | (964.5, 1,753.4)    | 0.005728                 | (0.0042008, 0.0076366) |
| DKI Jakarta | Other non-communicable diseases               | 50  | 2,649.7       | (1,996.3, 3,757.8)   | 0.011539                 | (0.0086931, 0.0163641) | 2,205.8       | (1,665.6, 2,913.4)  | 0.009607                 | (0.0072541, 0.0126887) |
| DKI Jakarta | Drowning                                      | 50  | 11.5          | (2.3, 37.3)          | 0.000050                 | (0.0000099, 0.0001622) | 4.6           | (1.0, 14.5)         | 0.000020                 | (0.0000041, 0.0000630) |
| DKI Jakarta | Falls                                         | 50  | 1,272.8       | (834.5, 1,881.9)     | 0.005543                 | (0.0036340, 0.0081953) | 586.5         | (400.7, 828.6)      | 0.002554                 | (0.0017452, 0.0036088) |
| DKI Jakarta | Interpersonal violence                        | 50  | 40.8          | (10.2, 105.7)        | 0.000178                 | (0.0000442, 0.0004601) | 18.0          | (4.3, 50.5)         | 0.000079                 | (0.0000188, 0.0002199) |
| DKI Jakarta | Self-harm                                     | 50  | 32.1          | (5.8, 93.8)          | 0.000140                 | (0.0000254, 0.0004084) | 11.1          | (1.8, 33.4)         | 0.000048                 | (0.0000078, 0.0001456) |
| DKI Jakarta | Transport injuries                            | 50  | 1,475.0       | (1,022.2, 2,260.1)   | 0.006423                 | (0.0044515, 0.0098422) | 432.1         | (288.6, 609.7)      | 0.001882                 | (0.0012567, 0.0026553) |
| DKI Jakarta | Other unintentional injuries                  | 50  | 89.1          | (30.5, 217.3)        | 0.000388                 | (0.0001330, 0.0009462) | 28.5          | (9.4, 74.1)         | 0.000124                 | (0.0000411, 0.0003226) |
| DKI Jakarta | Diarrheal diseases                            | 55  | 553.4         | (358.7, 837.5)       | 0.003297                 | (0.0021368, 0.0049895) | 594.0         | (416.6, 835.8)      | 0.003814                 | (0.0026750, 0.0053667) |
| DKI Jakarta | HIV/AIDS                                      | 55  | 65.5          | (24.8, 135.0)        | 0.000390                 | (0.0001479, 0.0008043) | 53.1          | (21.3, 103.1)       | 0.000341                 | (0.0001365, 0.0006618) |
| DKI Jakarta | Lower respiratory infections                  | 55  | 546.4         | (364.7, 811.9)       | 0.003255                 | (0.0021729, 0.0048372) | 466.1         | (314.7, 649.3)      | 0.002993                 | (0.0020209, 0.0041694) |
| DKI Jakarta | Malaria                                       | 55  | 15.1          | (0.6, 82.4)          | 0.000090                 | (0.0000037, 0.0004911) | 7.8           | (0.3, 43.1)         | 0.000050                 | (0.0000019, 0.0002769) |
| DKI Jakarta | Tuberculosis                                  | 55  | 4,363.2       | (3,282.9, 6,032.9)   | 0.025994                 | (0.0195582, 0.0359411) | 2,391.6       | (1,845.8, 3,084.3)  | 0.015356                 | (0.0118517, 0.0198041) |
| DKI Jakarta | Other communicable diseases                   | 55  | 841.0         | (572.6, 1,235.5)     | 0.005010                 | (0.0034114, 0.0073606) | 696.1         | (493.5, 949.8)      | 0.004469                 | (0.0031685, 0.0060986) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 55  | 1,604.5       | (1,062.0, 2,476.6)   | 0.009559                 | (0.0063269, 0.0147545) | 415.5         | (269.2, 623.8)      | 0.002668                 | (0.0017288, 0.0040054) |
| DKI Jakarta | Breast cancer                                 | 55  | 76.9          | (35.5, 142.2)        | 0.000458                 | (0.0002113, 0.0008470) | 1,864.4       | (1,355.2, 2,478.5)  | 0.011971                 | (0.0087016, 0.0159140) |
| DKI Jakarta | Cervical cancer                               | 55  |               |                      |                          |                        | 669.4         | (400.2, 1,015.0)    | 0.004298                 | (0.0025699, 0.0065170) |
| DKI Jakarta | Other malignant neoplasms                     | 55  | 2,970.4       | (2,203.7, 4,112.4)   | 0.017696                 | (0.0131285, 0.0244999) | 1,307.7       | (953.0, 1,783.4)    | 0.008397                 | (0.0061189, 0.0114512) |
| DKI Jakarta | Cerebrovascular disease                       | 55  | 8,721.2       | (6,611.5, 11,825.2)  | 0.051957                 | (0.0393883, 0.0704492) | 7,128.0       | (5,771.1, 8,892.8)  | 0.045768                 | (0.0370550, 0.0570991) |
| DKI Jakarta | Ischemic heart disease                        | 55  | 14,128.5      | (10,916.4, 19,562.6) | 0.084171                 | (0.0650348, 0.1165451) | 7,267.8       | (5,755.4, 9,163.8)  | 0.046665                 | (0.0369543, 0.0588392) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 55  | 1,745.9       | (1,246.5, 2,494.9)   | 0.010402                 | (0.0074261, 0.0148634) | 1,387.0       | (1,026.4, 1,837.0)  | 0.008906                 | (0.0065907, 0.0117953) |
| DKI Jakarta | Diabetes mellitus                             | 55  | 8,725.2       | (6,651.4, 11,824.1)  | 0.051981                 | (0.0396260, 0.0704426) | 8,092.5       | (6,350.9, 10,149.9) | 0.051961                 | (0.0407779, 0.0651707) |
| DKI Jakarta | Chronic kidney disease                        | 55  | 1,783.7       | (1,199.3, 2,591.1)   | 0.010626                 | (0.0071452, 0.0154365) | 1,245.4       | (863.4, 1,704.7)    | 0.007996                 | (0.0055439, 0.0109455) |
| DKI Jakarta | Cirrhosis                                     | 55  | 2,539.9       | (1,841.1, 3,589.7)   | 0.015131                 | (0.0109684, 0.0213861) | 1,066.5       | (794.1, 1,445.0)    | 0.006848                 | (0.0050990, 0.0092780) |
| DKI Jakarta | Chronic respiratory diseases                  | 55  | 2,628.3       | (1,923.7, 3,767.6)   | 0.015659                 | (0.0114604, 0.0224455) | 1,311.0       | (1,000.4, 1,729.1)  | 0.008418                 | (0.0064235, 0.0111025) |
| DKI Jakarta | Other non-communicable diseases               | 55  | 2,524.3       | (1,890.2, 3,566.3)   | 0.015039                 | (0.0112610, 0.0212463) | 2,005.6       | (1,519.6, 2,582.8)  | 0.012877                 | (0.0097568, 0.0165840) |
| DKI Jakarta | Drowning                                      | 55  | 5.6           | (1.0, 18.8)          | 0.000033                 | (0.0000061, 0.0001118) | 2.2           | (0.4, 7.4)          | 0.000014                 | (0.0000028, 0.0000475) |
| DKI Jakarta | Falls                                         | 55  | 976.6         | (654.0, 1,439.6)     | 0.005818                 | (0.0038960, 0.0085765) | 434.0         | (301.3, 600.8)      | 0.002787                 | (0.0019345, 0.0038577) |
| DKI Jakarta | Interpersonal violence                        | 55  | 28.9          | (6.5, 79.1)          | 0.000172                 | (0.0000387, 0.0004713) | 10.8          | (2.6, 30.7)         | 0.000070                 | (0.0000168, 0.0001973) |
| DKI Jakarta | Self-harm                                     | 55  | 26.7          | (4.7, 76.6)          | 0.000159                 | (0.0000279, 0.0004562) | 7.8           | (1.3, 24.1)         | 0.000050                 | (0.0000082, 0.0001549) |
| DKI Jakarta | Transport injuries                            | 55  | 744.9         | (486.6, 1,141.3)     | 0.004438                 | (0.0028992, 0.0067994) | 203.1         | (129.7, 298.0)      | 0.001304                 | (0.0008326, 0.0019137) |
| DKI Jakarta | Other unintentional injuries                  | 55  | 58.9          | (18.7, 140.4)        | 0.000351                 | (0.0001115, 0.0008362) | 17.1          | (5.3, 43.8)         | 0.000110                 | (0.0000343, 0.0002812) |
| DKI Jakarta | Diarrheal diseases                            | 60  | 495.6         | (329.0, 756.9)       | 0.004783                 | (0.0031745, 0.0073047) | 546.6         | (390.1, 741.8)      | 0.005253                 | (0.0037492, 0.0071285) |
| DKI Jakarta | HIV/AIDS                                      | 60  | 37.1          | (12.3, 84.2)         | 0.000358                 | (0.0001189, 0.0008129) | 31.4          | (11.6, 64.8)        | 0.000302                 | (0.0001117, 0.0006225) |
| DKI Jakarta | Lower respiratory infections                  | 60  | 579.9         | (397.7, 842.6)       | 0.005597                 | (0.0038376, 0.0081315) | 550.8         | (384.8, 744.0)      | 0.005293                 | (0.0036983, 0.0071499) |
| DKI Jakarta | Malaria                                       | 60  | 13.3          | (0.5, 71.1)          | 0.000129                 | (0.0000050, 0.0006865) | 6.7           | (0.2, 38.5)         | 0.000065                 | (0.0000022, 0.0003702) |
| DKI Jakarta | Tuberculosis                                  | 60  | 4,209.5       | (3,227.9, 5,735.8)   | 0.040624                 | (0.0311500, 0.0553531) | 2,474.4       | (1,969.4, 3,111.4)  | 0.023779                 | (0.0189263, 0.0299003) |
| DKI Jakarta | Other communicable diseases                   | 60  | 531.2         | (345.9, 806.6)       | 0.005127                 | (0.0033382, 0.0077839) | 458.3         | (321.2, 637.1)      | 0.004404                 | (0.0030871, 0.0061227) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 60  | 1,449.9       | (958.0, 2,195.5)     | 0.013992                 | (0.0092453, 0.0211875) | 355.8         | (229.5, 528.0)      | 0.003419                 | (0.0022054, 0.0050739) |
| DKI Jakarta | Breast cancer                                 | 60  | 60.2          | (25.2, 115.2)        | 0.000581                 | (0.0002434, 0.0011120) | 1,234.6       | (883.3, 1,655.4)    | 0.011864                 | (0.0084882, 0.0159080) |
| DKI Jakarta | Cervical cancer                               | 60  |               |                      |                          |                        | 458.8         | (273.7, 707.8)      | 0.004409                 | (0.0026304, 0.0068016) |
| DKI Jakarta | Other malignant neoplasms                     | 60  | 2,398.1       | (1,782.3, 3,364.8)   | 0.023143                 | (0.0172003, 0.0324712) | 1,179.2       | (877.9, 1,559.2)    | 0.011332                 | (0.0084368, 0.0149841) |
| DKI Jakarta | Cerebrovascular disease                       | 60  | 8,175.0       | (6,276.6, 10,912.7)  | 0.078892                 | (0.0605716, 0.1053119) | 7,074.1       | (5,785.5, 8,598.8)  | 0.067982                 | (0.0555986, 0.0826351) |
| DKI Jakarta | Ischemic heart disease                        | 60  | 12,014.9      | (9,449.2, 16,317.0)  | 0.115948                 | (0.0911879, 0.1574652) | 6,820.6       | (5,538.2, 8,372.1)  | 0.065547                 | (0.0532225, 0.0804562) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 60  | 1,692.5       | (1,218.1, 2,428.9)   | 0.016333                 | (0.0117555, 0.0234396) | 1,351.7       | (1,022.1, 1,798.3)  | 0.012990                 | (0.0098226, 0.0172813) |
| DKI Jakarta | Diabetes mellitus                             | 60  | 6,747.1       | (5,095.2, 9,168.5)   | 0.065112                 | (0.0491709, 0.0884791) | 6,627.3       | (5,290.8, 8,097.9)  | 0.063688                 | (0.0508447, 0.0778213) |
| DKI Jakarta | Chronic kidney disease                        | 60  | 1,426.7       | (973.6, 2,036.1)     | 0.013768                 | (0.0093956, 0.0196488) | 1,033.0       | (726.0, 1,387.2)    | 0.009927                 | (0.0069767, 0.0133314) |



Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                        |                                 | Females                    |                                 |
|-------------|-----------------------------------------------|-----|------------------------------|---------------------------------|----------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DKI Jakarta | Cirrhosis                                     | 60  | 1,817.9 (1,312.4, 2,533.1)   | 0.017543 (0.0126650, 0.0244451) | 819.4 (611.1, 1,078.9)     | 0.007875 (0.0058723, 0.0103685) |
| DKI Jakarta | Chronic respiratory diseases                  | 60  | 3,287.1 (2,460.8, 4,595.5)   | 0.031721 (0.0237477, 0.0443480) | 1,643.6 (1,273.1, 2,112.3) | 0.015795 (0.0122342, 0.0202993) |
| DKI Jakarta | Other non-communicable diseases               | 60  | 2,454.6 (1,875.5, 3,406.0)   | 0.023688 (0.0180990, 0.0328695) | 2,017.9 (1,566.7, 2,546.0) | 0.019392 (0.0150558, 0.0244676) |
| DKI Jakarta | Drowning                                      | 60  | 3.1 (0.5, 9.9)               | 0.000030 (0.0000050, 0.0000959) | 1.4 (0.3, 4.3)             | 0.000013 (0.0000027, 0.0000418) |
| DKI Jakarta | Falls                                         | 60  | 629.4 (421.0, 937.4)         | 0.006074 (0.0040629, 0.0090459) | 305.1 (212.4, 416.9)       | 0.002932 (0.0020408, 0.0040067) |
| DKI Jakarta | Interpersonal violence                        | 60  | 16.8 (3.5, 46.8)             | 0.000162 (0.0000336, 0.0004518) | 6.3 (1.5, 18.9)            | 0.000061 (0.0000140, 0.0001814) |
| DKI Jakarta | Self-harm                                     | 60  | 17.9 (3.0, 50.8)             | 0.000173 (0.0000290, 0.0004899) | 5.2 (0.9, 16.8)            | 0.000050 (0.0000084, 0.0001610) |
| DKI Jakarta | Transport injuries                            | 60  | 487.0 (318.2, 767.0)         | 0.004700 (0.0030709, 0.0074020) | 141.8 (90.9, 205.5)        | 0.001362 (0.0008731, 0.0019753) |
| DKI Jakarta | Other unintentional injuries                  | 60  | 38.2 (12.4, 92.8)            | 0.000368 (0.0001199, 0.0008952) | 11.5 (3.6, 28.8)           | 0.000111 (0.0000350, 0.0002769) |
| DKI Jakarta | Diarrheal diseases                            | 65  | 619.3 (426.8, 942.3)         | 0.008603 (0.0059296, 0.0130898) | 715.6 (518.8, 940.3)       | 0.010367 (0.0075159, 0.0136208) |
| DKI Jakarta | HIV/AIDS                                      | 65  | 28.6 (9.6, 64.1)             | 0.000398 (0.0001340, 0.0008909) | 24.8 (10.4, 49.0)          | 0.000359 (0.0001500, 0.0007092) |
| DKI Jakarta | Lower respiratory infections                  | 65  | 535.3 (360.8, 772.7)         | 0.007437 (0.0050116, 0.0107348) | 559.4 (397.4, 744.1)       | 0.008103 (0.0057563, 0.0107796) |
| DKI Jakarta | Malaria                                       | 65  | 10.8 (0.4, 61.7)             | 0.000151 (0.0000057, 0.0008568) | 5.0 (0.2, 27.3)            | 0.000072 (0.0000026, 0.0003950) |
| DKI Jakarta | Tuberculosis                                  | 65  | 3,636.4 (2,756.8, 4,938.1)   | 0.050516 (0.0382967, 0.0685984) | 2,054.1 (1,624.1, 2,552.4) | 0.029756 (0.0235269, 0.0369743) |
| DKI Jakarta | Other communicable diseases                   | 65  | 383.3 (245.9, 581.7)         | 0.005325 (0.0034159, 0.0080813) | 361.2 (242.7, 504.5)       | 0.005232 (0.0035151, 0.0073082) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 65  | 1,049.6 (670.1, 1,593.3)     | 0.014581 (0.0093085, 0.0221334) | 231.0 (146.3, 344.4)       | 0.003347 (0.0021190, 0.0049884) |
| DKI Jakarta | Breast cancer                                 | 65  | 38.9 (13.2, 83.8)            | 0.000540 (0.0001835, 0.0011635) | 694.3 (490.4, 931.6)       | 0.010057 (0.0071036, 0.0134951) |
| DKI Jakarta | Cervical cancer                               | 65  |                              |                                 | 281.8 (165.9, 434.0)       | 0.004082 (0.0024029, 0.0062875) |
| DKI Jakarta | Other malignant neoplasms                     | 65  | 1,557.5 (1,139.2, 2,213.7)   | 0.021636 (0.0158259, 0.0307521) | 913.9 (669.7, 1,190.6)     | 0.013239 (0.0097014, 0.0172469) |
| DKI Jakarta | Cerebrovascular disease                       | 65  | 7,173.8 (5,475.3, 9,618.0)   | 0.099657 (0.0760614, 0.1336104) | 6,480.7 (5,265.2, 7,770.6) | 0.093879 (0.0762714, 0.1125651) |
| DKI Jakarta | Ischemic heart disease                        | 65  | 10,019.9 (7,761.3, 13,680.9) | 0.139194 (0.1078174, 0.1900506) | 5,692.4 (4,521.3, 6,876.4) | 0.082460 (0.0654963, 0.0996112) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 65  | 1,585.6 (1,130.4, 2,300.4)   | 0.022027 (0.0157035, 0.0319570) | 1,276.3 (951.6, 1,673.0)   | 0.018489 (0.0137855, 0.0242350) |
| DKI Jakarta | Diabetes mellitus                             | 65  | 4,608.6 (3,438.7, 6,284.2)   | 0.064021 (0.0477690, 0.0872986) | 4,630.7 (3,658.4, 5,588.5) | 0.067080 (0.0529950, 0.0809554) |
| DKI Jakarta | Chronic kidney disease                        | 65  | 1,131.7 (752.1, 1,658.9)     | 0.015722 (0.0104473, 0.0230449) | 801.5 (566.9, 1,080.7)     | 0.011611 (0.0082118, 0.0156549) |
| DKI Jakarta | Cirrhosis                                     | 65  | 1,169.1 (837.0, 1,695.8)     | 0.016241 (0.0116279, 0.0235575) | 564.9 (417.2, 748.2)       | 0.008184 (0.0060433, 0.0108386) |
| DKI Jakarta | Chronic respiratory diseases                  | 65  | 3,110.3 (2,322.6, 4,358.2)   | 0.043207 (0.0322650, 0.0605431) | 1,571.4 (1,204.4, 1,968.5) | 0.022763 (0.0174472, 0.0285150) |
| DKI Jakarta | Other non-communicable diseases               | 65  | 2,326.3 (1,736.6, 3,214.7)   | 0.032317 (0.0241241, 0.0446577) | 1,966.0 (1,518.7, 2,454.4) | 0.028480 (0.0220000, 0.0355540) |
| DKI Jakarta | Drowning                                      | 65  | 1.7 (0.3, 5.9)               | 0.000024 (0.0000040, 0.0000814) | 0.9 (0.2, 3.1)             | 0.000013 (0.0000026, 0.0000455) |
| DKI Jakarta | Falls                                         | 65  | 470.1 (300.1, 714.6)         | 0.006531 (0.0041688, 0.0099274) | 252.0 (177.4, 348.1)       | 0.003650 (0.0025699, 0.0050424) |
| DKI Jakarta | Interpersonal violence                        | 65  | 10.0 (1.9, 31.6)             | 0.000140 (0.0000262, 0.0004391) | 3.4 (0.7, 10.4)            | 0.000049 (0.0000103, 0.0001505) |
| DKI Jakarta | Self-harm                                     | 65  | 12.4 (2.0, 35.5)             | 0.000173 (0.0000283, 0.0004931) | 3.1 (0.5, 9.8)             | 0.000045 (0.0000074, 0.0001418) |
| DKI Jakarta | Transport injuries                            | 65  | 294.8 (175.7, 467.3)         | 0.004095 (0.0024408, 0.0064916) | 89.5 (55.8, 134.0)         | 0.001296 (0.0008088, 0.0019409) |
| DKI Jakarta | Other unintentional injuries                  | 65  | 25.9 (8.0, 64.7)             | 0.000360 (0.0001105, 0.0008995) | 7.7 (2.5, 19.2)            | 0.000111 (0.0000358, 0.0002782) |
| DKI Jakarta | Diarrheal diseases                            | 70  | 647.4 (461.0, 953.8)         | 0.015848 (0.0112838, 0.0233478) | 814.4 (606.8, 1,035.1)     | 0.018248 (0.0135966, 0.0231930) |
| DKI Jakarta | HIV/AIDS                                      | 70  | 29.1 (9.9, 69.2)             | 0.000713 (0.0002420, 0.0016930) | 27.6 (11.3, 56.3)          | 0.000619 (0.0002540, 0.0012621) |
| DKI Jakarta | Lower respiratory infections                  | 70  | 533.3 (364.8, 773.8)         | 0.013053 (0.0089291, 0.0189402) | 631.9 (448.5, 822.6)       | 0.014160 (0.0100490, 0.0184320) |
| DKI Jakarta | Malaria                                       | 70  | 7.2 (0.3, 40.3)              | 0.000177 (0.0000066, 0.0009875) | 3.5 (0.1, 19.3)            | 0.000079 (0.0000027, 0.0004314) |
| DKI Jakarta | Tuberculosis                                  | 70  | 2,781.8 (2,108.3, 3,831.6)   | 0.068094 (0.0516076, 0.0937915) | 1,765.7 (1,366.3, 2,144.1) | 0.039563 (0.0306149, 0.0480431) |
| DKI Jakarta | Other communicable diseases                   | 70  | 300.4 (191.3, 461.5)         | 0.007352 (0.0046827, 0.0112966) | 310.3 (213.2, 428.8)       | 0.006954 (0.0047766, 0.0096073) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 70  | 664.0 (420.0, 1,043.7)       | 0.016254 (0.0102805, 0.0255479) | 166.3 (101.1, 251.1)       | 0.003727 (0.0022664, 0.0056256) |
| DKI Jakarta | Breast cancer                                 | 70  | 19.8 (6.1, 44.7)             | 0.000485 (0.0001488, 0.0010941) | 354.5 (243.1, 475.1)       | 0.007943 (0.0054476, 0.0106454) |
| DKI Jakarta | Cervical cancer                               | 70  |                              |                                 | 153.7 (88.4, 241.2)        | 0.003444 (0.0019813, 0.0054044) |
| DKI Jakarta | Other malignant neoplasms                     | 70  | 891.1 (656.2, 1,282.1)       | 0.021812 (0.0160626, 0.0313834) | 625.4 (464.8, 803.4)       | 0.014012 (0.0104142, 0.0180026) |
| DKI Jakarta | Cerebrovascular disease                       | 70  | 5,541.2 (4,253.8, 7,510.8)   | 0.135639 (0.1041246, 0.1838523) | 5,863.4 (4,678.3, 6,846.9) | 0.131380 (0.1048266, 0.1534181) |
| DKI Jakarta | Ischemic heart disease                        | 70  | 7,168.8 (5,558.5, 9,760.7)   | 0.175481 (0.1360626, 0.2389266) | 4,974.6 (3,893.1, 5,931.1) | 0.111465 (0.0872316, 0.1328973) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 70  | 1,307.1 (940.1, 1,887.4)     | 0.031996 (0.0230117, 0.0462014) | 1,187.0 (881.5, 1,529.7)   | 0.026597 (0.0197519, 0.0342751) |
| DKI Jakarta | Diabetes mellitus                             | 70  | 2,560.5 (1,919.4, 3,528.7)   | 0.062676 (0.0469847, 0.0863764) | 3,054.6 (2,374.7, 3,655.9) | 0.068444 (0.0532106, 0.0819174) |
| DKI Jakarta | Chronic kidney disease                        | 70  | 719.5 (482.5, 1,067.4)       | 0.017612 (0.0118118, 0.0261269) | 593.9 (413.0, 791.0)       | 0.013308 (0.0092547, 0.0177248) |
| DKI Jakarta | Cirrhosis                                     | 70  | 733.3 (519.6, 1,079.3)       | 0.017949 (0.0127197, 0.0264186) | 418.1 (307.3, 550.0)       | 0.009368 (0.0068865, 0.0123246) |
| DKI Jakarta | Chronic respiratory diseases                  | 70  | 2,943.7 (2,204.2, 4,091.1)   | 0.072057 (0.0539550, 0.1001423) | 1,642.3 (1,267.4, 1,991.4) | 0.036799 (0.0283986, 0.0446204) |
| DKI Jakarta | Other non-communicable diseases               | 70  | 1,938.1 (1,447.7, 2,722.6)   | 0.047442 (0.0354378, 0.0666450) | 1,886.2 (1,438.7, 2,306.6) | 0.042264 (0.0322359, 0.0516842) |
| DKI Jakarta | Drowning                                      | 70  | 2.1 (0.3, 7.0)               | 0.000051 (0.0000083, 0.0001702) | 1.3 (0.3, 3.9)             | 0.000028 (0.0000061, 0.0000863) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DKI Jakarta | Falls                                         | 70  | 358.6 (234.3, 519.5)       | 0.008779 (0.0057355, 0.0127167) | 220.8 (157.4, 293.5)       | 0.004947 (0.0035277, 0.0065757) |
| DKI Jakarta | Interpersonal violence                        | 70  | 4.7 (0.8, 15.1)            | 0.000114 (0.0000203, 0.0003687) | 1.7 (0.3, 6.0)             | 0.000039 (0.0000074, 0.0001347) |
| DKI Jakarta | Self-harm                                     | 70  | 6.9 (1.2, 19.3)            | 0.000168 (0.0000297, 0.0004732) | 1.9 (0.3, 6.1)             | 0.000042 (0.0000071, 0.0001367) |
| DKI Jakarta | Transport injuries                            | 70  | 190.4 (117.5, 307.5)       | 0.004660 (0.0028773, 0.0075261) | 65.7 (42.4, 100.3)         | 0.001471 (0.0009512, 0.0022467) |
| DKI Jakarta | Other unintentional injuries                  | 70  | 16.8 (5.1, 40.5)           | 0.000412 (0.0001246, 0.0009902) | 5.6 (1.8, 14.0)            | 0.000126 (0.0000404, 0.0003132) |
| DKI Jakarta | Diarrheal diseases                            | 75  | 403.6 (277.0, 599.8)       | 0.020866 (0.0143220, 0.0310125) | 623.0 (463.2, 783.0)       | 0.025847 (0.0192171, 0.0324838) |
| DKI Jakarta | HIV/AIDS                                      | 75  | 12.1 (4.2, 29.6)           | 0.000628 (0.0002189, 0.0015311) | 14.5 (5.9, 30.1)           | 0.000601 (0.0002448, 0.0012497) |
| DKI Jakarta | Lower respiratory infections                  | 75  | 301.2 (201.2, 447.1)       | 0.015575 (0.0104004, 0.0231168) | 431.7 (309.2, 565.8)       | 0.017912 (0.0128282, 0.0234744) |
| DKI Jakarta | Malaria                                       | 75  | 3.9 (0.1, 21.5)            | 0.000200 (0.0000069, 0.0011109) | 2.5 (0.1, 13.1)            | 0.000104 (0.0000032, 0.0005431) |
| DKI Jakarta | Tuberculosis                                  | 75  | 1,264.5 (950.2, 1,762.2)   | 0.065380 (0.0491282, 0.0911101) | 1,042.5 (793.8, 1,277.2)   | 0.043252 (0.0329315, 0.0529891) |
| DKI Jakarta | Other communicable diseases                   | 75  | 151.0 (91.6, 234.2)        | 0.007810 (0.0047363, 0.0121101) | 187.7 (123.9, 264.6)       | 0.007786 (0.0051392, 0.0109780) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 75  | 280.2 (167.8, 434.8)       | 0.014486 (0.0086760, 0.0224811) | 86.4 (50.1, 135.8)         | 0.003584 (0.0020795, 0.0056357) |
| DKI Jakarta | Breast cancer                                 | 75  | 6.5 (1.8, 15.6)            | 0.000337 (0.0000930, 0.0008059) | 163.8 (103.4, 233.2)       | 0.006797 (0.0042916, 0.0096753) |
| DKI Jakarta | Cervical cancer                               | 75  |                            |                                 | 61.0 (32.4, 102.4)         | 0.002532 (0.0013460, 0.0042487) |
| DKI Jakarta | Other malignant neoplasms                     | 75  | 346.4 (249.0, 500.4)       | 0.017912 (0.0128741, 0.0258743) | 370.4 (272.5, 486.7)       | 0.015366 (0.0113064, 0.0201900) |
| DKI Jakarta | Cerebrovascular disease                       | 75  | 2,809.9 (2,137.0, 3,866.4) | 0.145283 (0.1104924, 0.1999070) | 3,900.6 (3,018.4, 4,544.6) | 0.161825 (0.1252271, 0.1885438) |
| DKI Jakarta | Ischemic heart disease                        | 75  | 3,881.8 (3,012.9, 5,395.0) | 0.200705 (0.1557748, 0.2789411) | 3,623.7 (2,776.2, 4,261.9) | 0.150337 (0.1151763, 0.1768149) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 75  | 681.3 (474.1, 1,011.0)     | 0.035223 (0.0245149, 0.0522718) | 828.1 (617.7, 1,074.4)     | 0.034357 (0.0256261, 0.0445725) |
| DKI Jakarta | Diabetes mellitus                             | 75  | 1,097.1 (817.6, 1,566.0)   | 0.056726 (0.0422747, 0.0809682) | 1,768.8 (1,345.5, 2,120.7) | 0.073384 (0.0558223, 0.0879829) |
| DKI Jakarta | Chronic kidney disease                        | 75  | 325.9 (214.6, 490.8)       | 0.016851 (0.0110974, 0.0253760) | 366.8 (254.2, 484.5)       | 0.015217 (0.0105454, 0.0200997) |
| DKI Jakarta | Cirrhosis                                     | 75  | 327.3 (228.6, 482.8)       | 0.016920 (0.0118172, 0.0249609) | 241.6 (177.6, 315.1)       | 0.010024 (0.0073666, 0.0130737) |
| DKI Jakarta | Chronic respiratory diseases                  | 75  | 1,510.7 (1,115.1, 2,159.6) | 0.078110 (0.0576546, 0.1116570) | 1,114.8 (835.0, 1,362.9)   | 0.046252 (0.0346422, 0.0565415) |
| DKI Jakarta | Other non-communicable diseases               | 75  | 1,129.6 (838.1, 1,600.5)   | 0.058406 (0.0433330, 0.0827516) | 1,453.3 (1,080.3, 1,753.5) | 0.060294 (0.0448196, 0.0727499) |
| DKI Jakarta | Drowning                                      | 75  | 1.4 (0.2, 4.8)             | 0.000072 (0.0000116, 0.0002489) | 0.9 (0.2, 3.0)             | 0.000039 (0.0000080, 0.0001232) |
| DKI Jakarta | Falls                                         | 75  | 200.9 (129.1, 305.7)       | 0.010386 (0.0066728, 0.0158059) | 145.9 (101.9, 195.0)       | 0.006055 (0.0042283, 0.0080902) |
| DKI Jakarta | Interpersonal violence                        | 75  | 1.6 (0.2, 5.7)             | 0.000083 (0.0000125, 0.0002961) | 0.8 (0.1, 2.8)             | 0.000033 (0.0000052, 0.0001152) |
| DKI Jakarta | Self-harm                                     | 75  | 2.9 (0.5, 8.8)             | 0.000150 (0.0000249, 0.0004525) | 1.1 (0.2, 3.3)             | 0.000045 (0.0000070, 0.0001377) |
| DKI Jakarta | Transport injuries                            | 75  | 65.7 (36.4, 114.6)         | 0.003398 (0.0018820, 0.0059252) | 27.5 (16.0, 45.0)          | 0.001141 (0.0006634, 0.0018670) |
| DKI Jakarta | Other unintentional injuries                  | 75  | 7.4 (2.2, 18.5)            | 0.000382 (0.0001151, 0.0009540) | 3.1 (0.9, 7.5)             | 0.000129 (0.0000392, 0.0003096) |
| DKI Jakarta | Diarrheal diseases                            | 80  | 630.7 (482.2, 835.2)       | 0.060242 (0.0460580, 0.0797707) | 1,561.5 (1,261.8, 1,856.0) | 0.081232 (0.0656376, 0.0965516) |
| DKI Jakarta | HIV/AIDS                                      | 80  | 11.8 (3.4, 29.8)           | 0.001132 (0.0003261, 0.0028423) | 22.0 (7.1, 51.1)           | 0.001144 (0.0003709, 0.0026560) |
| DKI Jakarta | Lower respiratory infections                  | 80  | 345.0 (242.6, 474.0)       | 0.032951 (0.0231679, 0.0452765) | 832.4 (631.9, 1,040.8)     | 0.043304 (0.0328699, 0.0541415) |
| DKI Jakarta | Malaria                                       | 80  | 3.8 (0.1, 21.0)            | 0.000365 (0.0000117, 0.0020045) | 3.5 (0.1, 19.4)            | 0.000181 (0.0000052, 0.0010116) |
| DKI Jakarta | Tuberculosis                                  | 80  | 1,076.7 (859.9, 1,383.7)   | 0.102841 (0.0821318, 0.1321604) | 1,327.4 (1,064.8, 1,599.2) | 0.069050 (0.0553920, 0.0831922) |
| DKI Jakarta | Other communicable diseases                   | 80  | 162.3 (105.2, 242.8)       | 0.015501 (0.0100500, 0.0231896) | 337.7 (235.0, 461.8)       | 0.017570 (0.0122271, 0.0240221) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer           | 80  | 176.7 (103.4, 279.1)       | 0.016879 (0.0098798, 0.0266576) | 96.4 (51.6, 160.5)         | 0.005015 (0.0026841, 0.0083518) |
| DKI Jakarta | Breast cancer                                 | 80  | 3.9 (0.9, 10.0)            | 0.000375 (0.0000885, 0.0009583) | 129.5 (73.5, 201.1)        | 0.006738 (0.0038233, 0.0104615) |
| DKI Jakarta | Cervical cancer                               | 80  |                            |                                 | 55.9 (27.1, 100.4)         | 0.002907 (0.0014093, 0.0052205) |
| DKI Jakarta | Other malignant neoplasms                     | 80  | 238.4 (179.2, 327.6)       | 0.022770 (0.0171120, 0.0312860) | 387.2 (292.3, 507.3)       | 0.020144 (0.0152032, 0.0263922) |
| DKI Jakarta | Cerebrovascular disease                       | 80  | 2,451.6 (2,023.3, 3,081.8) | 0.234159 (0.1932442, 0.2943453) | 5,760.7 (4,887.5, 6,472.5) | 0.299675 (0.2542526, 0.3367084) |
| DKI Jakarta | Ischemic heart disease                        | 80  | 3,052.0 (2,542.1, 3,806.7) | 0.291502 (0.2427972, 0.3635836) | 4,908.0 (4,103.4, 5,567.1) | 0.255319 (0.2134624, 0.2896065) |
| DKI Jakarta | Other cardiovascular and circulatory diseases | 80  | 548.9 (404.4, 743.5)       | 0.052427 (0.0386291, 0.0710163) | 1,047.6 (795.8, 1,324.9)   | 0.054497 (0.0413967, 0.0689223) |
| DKI Jakarta | Diabetes mellitus                             | 80  | 739.3 (580.0, 976.7)       | 0.070613 (0.0553958, 0.0932885) | 1,954.9 (1,581.8, 2,334.4) | 0.101697 (0.0822876, 0.1214375) |
| DKI Jakarta | Chronic kidney disease                        | 80  | 222.3 (152.1, 313.7)       | 0.021230 (0.0145239, 0.0299578) | 395.6 (285.8, 530.4)       | 0.020579 (0.0148661, 0.0275904) |
| DKI Jakarta | Cirrhosis                                     | 80  | 238.6 (174.3, 321.1)       | 0.022786 (0.0166456, 0.0306639) | 305.6 (231.6, 396.7)       | 0.015897 (0.0120506, 0.0206352) |
| DKI Jakarta | Chronic respiratory diseases                  | 80  | 1,331.7 (1,053.4, 1,722.4) | 0.127194 (0.1006137, 0.1645090) | 1,459.2 (1,189.1, 1,767.6) | 0.075909 (0.0618603, 0.0919510) |
| DKI Jakarta | Other non-communicable diseases               | 80  | 1,083.9 (870.9, 1,397.6)   | 0.103525 (0.0831809, 0.1334862) | 2,279.4 (1,832.9, 2,679.6) | 0.118579 (0.0953511, 0.1393977) |
| DKI Jakarta | Drowning                                      | 80  | 1.0 (0.2, 3.4)             | 0.000098 (0.0000159, 0.0003273) | 1.3 (0.3, 4.2)             | 0.000070 (0.0000132, 0.0002209) |
| DKI Jakarta | Falls                                         | 80  | 194.7 (137.1, 271.7)       | 0.018597 (0.0130976, 0.0259519) | 251.3 (188.5, 330.2)       | 0.013071 (0.0098034, 0.0171787) |
| DKI Jakarta | Interpersonal violence                        | 80  | 0.8 (0.1, 2.7)             | 0.000078 (0.0000079, 0.0002626) | 0.6 (0.1, 2.1)             | 0.000030 (0.0000034, 0.0001084) |
| DKI Jakarta | Self-harm                                     | 80  | 1.8 (0.3, 5.4)             | 0.000170 (0.0000278, 0.0005202) | 0.9 (0.1, 3.2)             | 0.000047 (0.0000077, 0.0001641) |
| DKI Jakarta | Transport injuries                            | 80  | 40.9 (21.7, 66.2)          | 0.003903 (0.0020715, 0.0063259) | 28.7 (15.8, 46.4)          | 0.001495 (0.0008202, 0.0024143) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                       |                          |                        | Females       |                       |                          |                        |
|-------------|----------------------------------------------------------|-----|---------------|-----------------------|--------------------------|------------------------|---------------|-----------------------|--------------------------|------------------------|
|             |                                                          |     | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        |
| DKI Jakarta | Other unintentional injuries                             | 80  | 4.9           | (1.4, 12.2)           | 0.000464                 | (0.0001384, 0.0011664) | 3.2           | (1.0, 8.3)            | 0.000168                 | (0.0000496, 0.0004334) |
| DKI Jakarta | Diarrheal diseases                                       | All | 18,135.7      | (12,784.5, 25,352.3)  | 0.003578                 | (0.0025220, 0.0050013) | 18,003.5      | (13,552.8, 24,655.3)  | 0.003638                 | (0.0027387, 0.0049823) |
| DKI Jakarta | HIV/AIDS                                                 | All | 14,173.6      | (9,417.0, 21,092.6)   | 0.002796                 | (0.0018577, 0.0041610) | 6,297.7       | (4,075.3, 9,119.2)    | 0.001273                 | (0.0008235, 0.0018428) |
| DKI Jakarta | Lower respiratory infections                             | All | 37,379.2      | (24,333.4, 54,786.1)  | 0.007374                 | (0.0048003, 0.0108077) | 24,774.5      | (16,984.9, 34,530.9)  | 0.005006                 | (0.0034323, 0.0069780) |
| DKI Jakarta | Malaria                                                  | All | 307.1         | (12.7, 1,649.7)       | 0.000061                 | (0.0000025, 0.0003254) | 136.5         | (5.0, 776.0)          | 0.000028                 | (0.0000010, 0.0001568) |
| DKI Jakarta | Tuberculosis                                             | All | 65,370.9      | (51,892.9, 89,723.3)  | 0.012896                 | (0.0102370, 0.0176998) | 29,221.1      | (22,858.5, 36,883.3)  | 0.005905                 | (0.0046192, 0.0074533) |
| DKI Jakarta | Maternal disorders                                       | All |               |                       |                          |                        | 10,517.8      | (7,032.1, 15,025.0)   | 0.002125                 | (0.0014210, 0.0030362) |
| DKI Jakarta | Neonatal encephalopathy due to birth asphyxia and trauma | All | 32,421.9      | (14,795.9, 57,111.4)  | 0.006396                 | (0.0029188, 0.0112664) | 21,569.2      | (9,783.1, 39,895.3)   | 0.004359                 | (0.0019769, 0.0080620) |
| DKI Jakarta | Preterm birth complications                              | All | 61,451.8      | (30,206.3, 100,026.9) | 0.012123                 | (0.0059588, 0.0197324) | 52,660.8      | (27,879.0, 88,287.6)  | 0.010642                 | (0.0056337, 0.0178410) |
| DKI Jakarta | Other neonatal disorders                                 | All | 13,938.7      | (4,992.8, 29,697.9)   | 0.002750                 | (0.0009849, 0.0058585) | 8,945.6       | (3,014.0, 20,101.6)   | 0.001808                 | (0.0006091, 0.0040621) |
| DKI Jakarta | Other communicable diseases                              | All | 48,914.4      | (35,713.8, 66,591.5)  | 0.009649                 | (0.0070453, 0.0131366) | 30,420.1      | (22,147.0, 42,212.5)  | 0.006147                 | (0.0044754, 0.0085302) |
| DKI Jakarta | Tracheal, bronchus, and lung cancer                      | All | 12,520.6      | (8,632.1, 18,709.5)   | 0.002470                 | (0.0017029, 0.0036908) | 4,064.9       | (2,699.1, 5,977.3)    | 0.000821                 | (0.0005454, 0.0012079) |
| DKI Jakarta | Breast cancer                                            | All | 600.2         | (301.8, 1,157.0)      | 0.000118                 | (0.0000595, 0.0002282) | 21,258.6      | (15,402.5, 28,078.4)  | 0.004296                 | (0.0031125, 0.0056740) |
| DKI Jakarta | Cervical cancer                                          | All |               |                       |                          |                        | 8,322.4       | (5,330.7, 12,347.2)   | 0.001682                 | (0.0010772, 0.0024951) |
| DKI Jakarta | Other malignant neoplasms                                | All | 45,869.2      | (35,795.8, 63,194.0)  | 0.009049                 | (0.0070615, 0.0124664) | 23,956.8      | (18,580.4, 30,429.3)  | 0.004841                 | (0.0037547, 0.0061491) |
| DKI Jakarta | Cerebrovascular disease                                  | All | 67,922.4      | (53,070.7, 92,037.1)  | 0.013399                 | (0.0104693, 0.0181563) | 61,032.3      | (48,991.9, 74,311.8)  | 0.012333                 | (0.0099002, 0.0150168) |
| DKI Jakarta | Ischemic heart disease                                   | All | 117,577.9     | (93,902.7, 163,742.2) | 0.023195                 | (0.0185243, 0.0323016) | 64,409.6      | (50,664.4, 80,298.7)  | 0.013016                 | (0.0102382, 0.0162266) |
| DKI Jakarta | Other cardiovascular and circulatory diseases            | All | 16,242.0      | (11,990.6, 22,913.0)  | 0.003204                 | (0.0023654, 0.0045201) | 13,642.9      | (10,197.2, 18,048.0)  | 0.002757                 | (0.0020606, 0.0036471) |
| DKI Jakarta | Diabetes mellitus                                        | All | 54,224.2      | (42,064.7, 72,536.5)  | 0.010697                 | (0.0082982, 0.0143094) | 53,553.4      | (41,944.7, 67,296.2)  | 0.010822                 | (0.0084761, 0.0135991) |
| DKI Jakarta | Chronic kidney disease                                   | All | 20,783.7      | (15,048.9, 28,988.3)  | 0.004100                 | (0.0029687, 0.0057186) | 14,925.0      | (10,556.8, 20,154.7)  | 0.003016                 | (0.0021333, 0.0040728) |
| DKI Jakarta | Cirrhosis                                                | All | 32,618.9      | (24,652.6, 44,586.5)  | 0.006435                 | (0.0048632, 0.0087956) | 12,597.0      | (9,519.8, 16,889.8)   | 0.002546                 | (0.0019237, 0.0034131) |
| DKI Jakarta | Chronic respiratory diseases                             | All | 29,340.7      | (22,388.8, 40,839.4)  | 0.005788                 | (0.0044167, 0.0080564) | 14,866.6      | (11,463.3, 18,768.3)  | 0.003004                 | (0.0023165, 0.0037927) |
| DKI Jakarta | Other non-communicable diseases                          | All | 70,003.9      | (53,029.3, 91,189.6)  | 0.013810                 | (0.0104612, 0.0179891) | 60,295.1      | (46,935.5, 77,401.5)  | 0.012184                 | (0.0094847, 0.0156412) |
| DKI Jakarta | Drowning                                                 | All | 3,085.9       | (872.8, 7,888.5)      | 0.000609                 | (0.0001722, 0.0015562) | 929.2         | (262.8, 2,374.9)      | 0.000188                 | (0.0000531, 0.0004799) |
| DKI Jakarta | Falls                                                    | All | 28,246.7      | (19,755.0, 38,895.1)  | 0.005572                 | (0.0038971, 0.0076729) | 11,030.9      | (8,048.7, 14,763.6)   | 0.002229                 | (0.0016265, 0.0029834) |
| DKI Jakarta | Interpersonal violence                                   | All | 1,559.3       | (422.0, 3,930.4)      | 0.000308                 | (0.0000832, 0.0007753) | 755.3         | (202.2, 2,089.2)      | 0.000153                 | (0.0000409, 0.0004222) |
| DKI Jakarta | Self-harm                                                | All | 766.9         | (142.0, 2,202.5)      | 0.000151                 | (0.0000280, 0.0004345) | 290.9         | (49.0, 858.4)         | 0.000059                 | (0.0000099, 0.0001735) |
| DKI Jakarta | Transport injuries                                       | All | 64,014.1      | (50,706.9, 87,853.8)  | 0.012628                 | (0.0100030, 0.0173310) | 18,210.0      | (14,053.2, 23,295.3)  | 0.003680                 | (0.0028399, 0.0047075) |
| DKI Jakarta | Other unintentional injuries                             | All | 3,397.2       | (1,160.0, 7,826.5)    | 0.000670                 | (0.0002288, 0.0015440) | 1,052.2       | (356.0, 2,621.2)      | 0.000213                 | (0.0000719, 0.0005297) |
| Jawa Barat  | Diarrheal diseases                                       | NN  | 4,572.8       | (2,030.4, 8,276.9)    | 0.129295                 | (0.0574100, 0.2340248) | 4,110.5       | (1,808.7, 7,824.8)    | 0.121518                 | (0.0534685, 0.2313199) |
| Jawa Barat  | Lower respiratory infections                             | NN  | 50,713.2      | (25,197.7, 83,514.4)  | 1.433892                 | (0.7124527, 2.3613310) | 32,255.7      | (16,657.4, 54,937.8)  | 0.953558                 | (0.4924333, 1.6240970) |
| Jawa Barat  | Malaria                                                  | NN  | 19.1          | (3.7, 64.0)           | 0.000540                 | (0.0001044, 0.0018105) | 12.0          | (2.2, 41.3)           | 0.000356                 | (0.0000646, 0.0012205) |
| Jawa Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 132,205.9     | (67,100.2, 210,297.3) | 3.738060                 | (1.8972260, 5.9460578) | 94,064.8      | (47,811.2, 155,637.3) | 2.780788                 | (1.4134190, 4.6010270) |
| Jawa Barat  | Preterm birth complications                              | NN  | 111,891.1     | (56,604.1, 177,553.7) | 3.163670                 | (1.6004560, 5.0202470) | 103,458.3     | (54,924.6, 171,916.8) | 3.058485                 | (1.6237080, 5.0822878) |
| Jawa Barat  | Other neonatal disorders                                 | NN  | 31,654.5      | (14,065.5, 58,779.1)  | 0.895017                 | (0.3976949, 1.6619509) | 20,949.4      | (9,189.7, 40,083.6)   | 0.619316                 | (0.2716691, 1.1849689) |
| Jawa Barat  | Other communicable diseases                              | NN  | 6,174.2       | (2,702.5, 11,470.3)   | 0.174572                 | (0.0764120, 0.3243178) | 3,889.0       | (1,690.1, 7,417.3)    | 0.114969                 | (0.0499648, 0.2192737) |
| Jawa Barat  | Other malignant neoplasms                                | NN  | 2,245.5       | (968.4, 4,282.1)      | 0.063492                 | (0.0273800, 0.1210731) | 1,863.1       | (769.6, 3,585.8)      | 0.055078                 | (0.0227500, 0.1060059) |
| Jawa Barat  | Cerebrovascular disease                                  | NN  | 846.7         | (202.2, 2,137.8)      | 0.023941                 | (0.0057163, 0.0604445) | 921.4         | (243.8, 2,527.6)      | 0.027240                 | (0.0072073, 0.0747233) |
| Jawa Barat  | Other cardiovascular and circulatory diseases            | NN  | 860.2         | (209.2, 2,272.2)      | 0.024323                 | (0.0059160, 0.0642452) | 877.3         | (225.3, 2,413.6)      | 0.025936                 | (0.0066616, 0.0713523) |
| Jawa Barat  | Diabetes mellitus                                        | NN  | 164.7         | (0.8, 1,255.2)        | 0.004658                 | (0.0000231, 0.0354903) | 243.9         | (1.5, 1,928.2)        | 0.007210                 | (0.0000436, 0.0570019) |
| Jawa Barat  | Other non-communicable diseases                          | NN  | 54,983.9      | (27,924.5, 86,766.2)  | 1.554645                 | (0.7895516, 2.4532750) | 51,583.2      | (27,055.4, 85,572.0)  | 1.524927                 | (0.7998259, 2.5297201) |
| Jawa Barat  | Drowning                                                 | NN  | 3,012.5       | (1,140.9, 6,190.2)    | 0.085178                 | (0.0322584, 0.1750245) | 824.2         | (297.5, 1,847.8)      | 0.024364                 | (0.0087941, 0.0546248) |
| Jawa Barat  | Falls                                                    | NN  | 1,593.6       | (588.6, 3,149.3)      | 0.045058                 | (0.0166415, 0.0890458) | 591.5         | (216.7, 1,281.3)      | 0.017487                 | (0.0064065, 0.0378789) |
| Jawa Barat  | Interpersonal violence                                   | NN  | 354.1         | (99.4, 907.4)         | 0.010013                 | (0.0028098, 0.0256556) | 214.9         | (60.7, 559.0)         | 0.006354                 | (0.0017955, 0.0165259) |
| Jawa Barat  | Transport injuries                                       | NN  | 2,944.0       | (1,111.0, 5,823.4)    | 0.083240                 | (0.0314118, 0.1646553) | 791.8         | (316.5, 1,575.0)      | 0.023409                 | (0.0093568, 0.0465609) |
| Jawa Barat  | Other unintentional injuries                             | NN  | 4,498.9       | (1,784.2, 8,415.1)    | 0.127203                 | (0.0504488, 0.2379332) | 1,568.7       | (661.7, 3,107.7)      | 0.046376                 | (0.0195606, 0.0918699) |
| Jawa Barat  | Diarrheal diseases                                       | PNN | 1,803.9       | (880.5, 3,052.7)      | 0.004087                 | (0.0019946, 0.0069153) | 1,915.6       | (959.0, 3,272.8)      | 0.004537                 | (0.0022713, 0.0077517) |
| Jawa Barat  | HIV/AIDS                                                 | PNN | 86.5          | (31.2, 183.4)         | 0.000196                 | (0.0000707, 0.0004155) | 62.7          | (21.4, 141.9)         | 0.000149                 | (0.0000506, 0.0003361) |
| Jawa Barat  | Lower respiratory infections                             | PNN | 1,460.1       | (740.8, 2,394.9)      | 0.003308                 | (0.0016782, 0.0054251) | 1,058.3       | (523.0, 1,837.1)      | 0.002507                 | (0.0012388, 0.0043511) |
| Jawa Barat  | Malaria                                                  | PNN | 7.3           | (1.5, 23.7)           | 0.000017                 | (0.0000035, 0.0000537) | 5.5           | (1.2, 17.8)           | 0.000013                 | (0.0000027, 0.0000421) |

Aim 2 Supplementary Tables

| Location   | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|            |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Barat | Tuberculosis                                             | PNN | 384.7 (183.1, 668.7)          | 0.000872 (0.0004147, 0.0015149) | 288.5 (136.2, 501.7)          | 0.000683 (0.0003226, 0.0011882) |
| Jawa Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 143.4 (44.1, 348.4)           | 0.000325 (0.0000999, 0.0007893) | 109.8 (32.5, 291.9)           | 0.000260 (0.0000770, 0.0006913) |
| Jawa Barat | Preterm birth complications                              | PNN | 297.4 (111.7, 581.3)          | 0.000674 (0.0002529, 0.0013169) | 340.0 (133.4, 700.2)          | 0.000805 (0.0003159, 0.0016584) |
| Jawa Barat | Other neonatal disorders                                 | PNN | 110.4 (34.3, 266.0)           | 0.000250 (0.0000778, 0.0006026) | 82.3 (23.7, 203.4)            | 0.000195 (0.0000561, 0.0004816) |
| Jawa Barat | Other communicable diseases                              | PNN | 2,694.9 (1,375.3, 4,463.4)    | 0.006105 (0.0031155, 0.0101110) | 2,008.4 (1,003.3, 3,322.0)    | 0.004757 (0.0023764, 0.0078681) |
| Jawa Barat | Other malignant neoplasms                                | PNN | 45.0 (19.6, 84.9)             | 0.000102 (0.0000445, 0.0001923) | 40.9 (16.7, 80.7)             | 0.000097 (0.0000396, 0.0001911) |
| Jawa Barat | Cerebrovascular disease                                  | PNN | 16.9 (4.6, 42.4)              | 0.000038 (0.0000104, 0.0000961) | 19.9 (6.0, 50.5)              | 0.000047 (0.0000142, 0.0001196) |
| Jawa Barat | Ischemic heart disease                                   | PNN | 14.0 (1.0, 65.3)              | 0.000032 (0.0000022, 0.0001478) | 16.4 (1.1, 78.5)              | 0.000039 (0.0000027, 0.0001859) |
| Jawa Barat | Other cardiovascular and circulatory diseases            | PNN | 17.1 (4.6, 43.9)              | 0.000039 (0.0000105, 0.0000995) | 18.9 (4.8, 47.6)              | 0.000045 (0.0000113, 0.0001128) |
| Jawa Barat | Diabetes mellitus                                        | PNN | 3.4 (0.0, 27.7)               | 0.000008 (0.0000000, 0.0000628) | 5.4 (0.0, 44.9)               | 0.000013 (0.0000001, 0.0001063) |
| Jawa Barat | Chronic kidney disease                                   | PNN | 57.7 (22.2, 116.8)            | 0.000131 (0.0000503, 0.0002645) | 57.1 (21.6, 115.0)            | 0.000135 (0.0000512, 0.0002723) |
| Jawa Barat | Other non-communicable diseases                          | PNN | 1,086.1 (546.2, 1,788.6)      | 0.002460 (0.0012374, 0.0040518) | 1,116.8 (575.6, 1,898.6)      | 0.002645 (0.0013634, 0.0044967) |
| Jawa Barat | Drowning                                                 | PNN | 72.7 (30.0, 141.6)            | 0.000165 (0.0000679, 0.0003207) | 21.8 (8.2, 44.5)              | 0.000052 (0.0000193, 0.0001055) |
| Jawa Barat | Falls                                                    | PNN | 36.9 (15.0, 71.0)             | 0.000084 (0.0000340, 0.0001608) | 15.0 (5.7, 29.9)              | 0.000036 (0.0000135, 0.0000709) |
| Jawa Barat | Interpersonal violence                                   | PNN | 8.0 (2.5, 19.8)               | 0.000018 (0.0000056, 0.0000448) | 5.4 (1.7, 12.2)               | 0.000013 (0.0000040, 0.0000290) |
| Jawa Barat | Transport injuries                                       | PNN | 70.0 (29.9, 129.9)            | 0.000159 (0.0000678, 0.0002942) | 20.9 (8.7, 41.1)              | 0.000050 (0.0000205, 0.0000974) |
| Jawa Barat | Other unintentional injuries                             | PNN | 102.5 (45.1, 185.3)           | 0.000232 (0.0001021, 0.0004197) | 39.5 (17.0, 74.5)             | 0.000093 (0.0000403, 0.0001765) |
| Jawa Barat | Diarrheal diseases                                       | 1   | 15,578.4 (6,555.9, 31,075.7)  | 0.008397 (0.0035338, 0.0167505) | 14,934.7 (6,844.9, 28,434.6)  | 0.008372 (0.0038370, 0.0159394) |
| Jawa Barat | HIV/AIDS                                                 | 1   | 1,777.8 (571.7, 4,210.1)      | 0.000958 (0.0003082, 0.0022693) | 1,181.7 (402.0, 2,778.0)      | 0.000662 (0.0002253, 0.0015572) |
| Jawa Barat | Lower respiratory infections                             | 1   | 29,426.3 (12,992.5, 58,648.2) | 0.015861 (0.0070032, 0.0316126) | 19,545.7 (9,311.3, 36,483.0)  | 0.010957 (0.0052196, 0.0204510) |
| Jawa Barat | Malaria                                                  | 1   | 51.6 (10.4, 174.7)            | 0.000028 (0.0000056, 0.0000942) | 34.9 (7.1, 110.1)             | 0.000020 (0.0000040, 0.0000617) |
| Jawa Barat | Tuberculosis                                             | 1   | 8,387.1 (3,444.2, 17,274.7)   | 0.004521 (0.0018565, 0.0093114) | 5,780.5 (2,509.3, 11,960.9)   | 0.003240 (0.0014066, 0.0067048) |
| Jawa Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1,497.0 (402.5, 3,954.8)      | 0.000807 (0.0002169, 0.0021317) | 986.9 (237.2, 2,552.6)        | 0.000553 (0.0001330, 0.0014309) |
| Jawa Barat | Preterm birth complications                              | 1   | 607.8 (118.6, 1,939.6)        | 0.000328 (0.0000639, 0.0010455) | 606.5 (111.6, 1,981.4)        | 0.000340 (0.0000626, 0.0011107) |
| Jawa Barat | Other neonatal disorders                                 | 1   | 176.5 (1.4, 1,330.8)          | 0.000095 (0.0000008, 0.0007174) | 109.8 (0.9, 838.7)            | 0.000062 (0.0000005, 0.0004701) |
| Jawa Barat | Other communicable diseases                              | 1   | 49,252.4 (22,017.7, 92,992.2) | 0.026548 (0.0118680, 0.0501247) | 33,905.9 (15,696.0, 64,709.4) | 0.019006 (0.0087986, 0.0362737) |
| Jawa Barat | Other malignant neoplasms                                | 1   | 650.5 (248.1, 1,405.6)        | 0.000351 (0.0001337, 0.0007576) | 568.2 (228.2, 1,220.9)        | 0.000319 (0.0001279, 0.0006844) |
| Jawa Barat | Cerebrovascular disease                                  | 1   | 265.5 (69.4, 703.9)           | 0.000143 (0.0000374, 0.0003794) | 299.5 (78.0, 748.9)           | 0.000168 (0.0000437, 0.0004198) |
| Jawa Barat | Ischemic heart disease                                   | 1   | 216.8 (13.1, 1,009.2)         | 0.000117 (0.0000071, 0.0005440) | 246.9 (16.7, 1,108.7)         | 0.000138 (0.0000094, 0.0006215) |
| Jawa Barat | Other cardiovascular and circulatory diseases            | 1   | 252.3 (61.5, 656.5)           | 0.000136 (0.0000332, 0.0003538) | 269.1 (66.7, 711.1)           | 0.000151 (0.0000374, 0.0003986) |
| Jawa Barat | Diabetes mellitus                                        | 1   | 48.2 (0.2, 395.3)             | 0.000026 (0.0000001, 0.0002131) | 72.3 (0.4, 592.2)             | 0.000041 (0.0000002, 0.0003319) |
| Jawa Barat | Chronic kidney disease                                   | 1   | 810.4 (268.0, 1,857.6)        | 0.000437 (0.0001445, 0.0010013) | 770.1 (276.5, 1,687.9)        | 0.000432 (0.0001550, 0.0009462) |
| Jawa Barat | Cirrhosis                                                | 1   | 1,262.2 (360.1, 2,965.4)      | 0.000680 (0.0001941, 0.0015984) | 616.2 (187.2, 1,422.1)        | 0.000345 (0.0001049, 0.0007972) |
| Jawa Barat | Chronic respiratory diseases                             | 1   | 2,382.4 (862.9, 5,259.1)      | 0.001284 (0.0004651, 0.0028348) | 884.5 (307.9, 1,955.5)        | 0.000496 (0.0001726, 0.0010962) |
| Jawa Barat | Other non-communicable diseases                          | 1   | 15,741.1 (6,805.9, 30,035.5)  | 0.008485 (0.0036685, 0.0161898) | 15,537.4 (7,318.7, 29,177.5)  | 0.008710 (0.0041026, 0.0163558) |
| Jawa Barat | Drowning                                                 | 1   | 4,282.1 (1,763.0, 9,152.2)    | 0.002308 (0.0009503, 0.0049332) | 1,195.7 (493.1, 2,591.7)      | 0.000670 (0.0002764, 0.0014528) |
| Jawa Barat | Falls                                                    | 1   | 1,512.3 (561.6, 3,311.2)      | 0.000815 (0.0003027, 0.0017848) | 570.1 (205.6, 1,235.0)        | 0.000320 (0.0001152, 0.0006923) |
| Jawa Barat | Interpersonal violence                                   | 1   | 268.3 (75.4, 660.8)           | 0.000145 (0.0000407, 0.0003562) | 167.1 (51.8, 417.2)           | 0.000094 (0.0000290, 0.0002339) |
| Jawa Barat | Transport injuries                                       | 1   | 3,642.3 (1,460.7, 7,442.9)    | 0.001963 (0.0007873, 0.0040119) | 1,014.8 (407.8, 2,113.9)      | 0.000569 (0.0002286, 0.0011850) |
| Jawa Barat | Other unintentional injuries                             | 1   | 3,578.7 (1,486.9, 7,728.2)    | 0.001929 (0.0008015, 0.0041657) | 1,287.0 (537.6, 2,808.8)      | 0.000722 (0.0003013, 0.0015745) |
| Jawa Barat | Diarrheal diseases                                       | 5   | 12,427.8 (8,308.9, 17,369.4)  | 0.005313 (0.0035523, 0.0074258) | 11,472.2 (8,043.3, 15,122.5)  | 0.005202 (0.0036473, 0.0068573) |
| Jawa Barat | HIV/AIDS                                                 | 5   | 1,045.5 (313.6, 2,583.9)      | 0.000447 (0.0001341, 0.0011047) | 652.4 (202.0, 1,540.3)        | 0.000296 (0.0000916, 0.0006984) |
| Jawa Barat | Lower respiratory infections                             | 5   | 15,659.5 (10,693.3, 21,551.3) | 0.006695 (0.0045717, 0.0092137) | 9,874.4 (6,873.8, 13,244.8)   | 0.004478 (0.0031169, 0.0060059) |
| Jawa Barat | Malaria                                                  | 5   | 41.0 (8.6, 113.5)             | 0.000018 (0.0000037, 0.0000485) | 26.5 (6.3, 79.2)              | 0.000012 (0.0000029, 0.0000359) |
| Jawa Barat | Tuberculosis                                             | 5   | 6,385.8 (4,112.4, 9,428.4)    | 0.002730 (0.0017581, 0.0040309) | 4,172.7 (2,844.6, 5,963.6)    | 0.001892 (0.0012899, 0.0027042) |
| Jawa Barat | Other communicable diseases                              | 5   | 38,937.7 (29,175.1, 51,145.8) | 0.016647 (0.0124731, 0.0218661) | 25,771.5 (19,892.9, 32,918.8) | 0.011686 (0.0090205, 0.0149271) |
| Jawa Barat | Other malignant neoplasms                                | 5   | 4,752.7 (2,955.5, 7,317.5)    | 0.002032 (0.0012636, 0.0031284) | 4,023.1 (2,526.7, 6,000.9)    | 0.001824 (0.0011458, 0.0027211) |
| Jawa Barat | Cerebrovascular disease                                  | 5   | 1,262.8 (606.6, 2,313.1)      | 0.000540 (0.0002594, 0.0009889) | 1,368.5 (700.9, 2,279.3)      | 0.000621 (0.0003178, 0.0010335) |
| Jawa Barat | Ischemic heart disease                                   | 5   | 1,187.4 (454.0, 2,377.2)      | 0.000508 (0.0001941, 0.0010163) | 1,303.9 (525.9, 2,396.3)      | 0.000591 (0.0002384, 0.0010866) |
| Jawa Barat | Other cardiovascular and circulatory diseases            | 5   | 1,341.2 (607.4, 2,682.6)      | 0.000573 (0.0002597, 0.0011469) | 1,350.3 (648.4, 2,506.5)      | 0.000612 (0.0002940, 0.0011366) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Barat | Diabetes mellitus                             | 5   | 721.8         | (283.1, 1,608.9)     | 0.000309                 | (0.0001210, 0.0006878) | 1,026.2       | (416.0, 2,170.9)     | 0.000465                 | (0.0001886, 0.0009844) |
| Jawa Barat | Chronic kidney disease                        | 5   | 2,013.4       | (1,015.5, 3,640.0)   | 0.000861                 | (0.0004341, 0.0015562) | 1,857.7       | (1,005.4, 3,201.0)   | 0.000842                 | (0.0004559, 0.0014515) |
| Jawa Barat | Cirrhosis                                     | 5   | 3,943.9       | (2,209.1, 6,265.9)   | 0.001686                 | (0.0009445, 0.0026788) | 1,899.4       | (1,072.4, 2,974.5)   | 0.000861                 | (0.0004863, 0.0013488) |
| Jawa Barat | Chronic respiratory diseases                  | 5   | 2,246.5       | (1,167.4, 3,840.9)   | 0.000960                 | (0.0004991, 0.0016421) | 801.6         | (397.7, 1,374.0)     | 0.000364                 | (0.0001803, 0.0006231) |
| Jawa Barat | Other non-communicable diseases               | 5   | 16,276.5      | (11,538.3, 21,861.2) | 0.006959                 | (0.0049329, 0.0093462) | 15,509.6      | (11,823.8, 20,029.0) | 0.007033                 | (0.0053615, 0.0090822) |
| Jawa Barat | Drowning                                      | 5   | 18,602.5      | (12,359.8, 25,733.7) | 0.007953                 | (0.0052841, 0.0110018) | 6,340.3       | (4,210.9, 9,110.4)   | 0.002875                 | (0.0019094, 0.0041311) |
| Jawa Barat | Falls                                         | 5   | 3,234.7       | (1,802.1, 5,339.0)   | 0.001383                 | (0.0007704, 0.0022826) | 1,407.6       | (827.6, 2,212.5)     | 0.000638                 | (0.0003753, 0.0010033) |
| Jawa Barat | Interpersonal violence                        | 5   | 259.4         | (98.4, 572.7)        | 0.000111                 | (0.0000421, 0.0002448) | 184.7         | (76.1, 380.7)        | 0.000084                 | (0.0000345, 0.0001726) |
| Jawa Barat | Transport injuries                            | 5   | 15,185.1      | (10,055.3, 21,692.3) | 0.006492                 | (0.0042989, 0.0092740) | 5,091.8       | (3,309.6, 7,425.1)   | 0.002309                 | (0.0015008, 0.0033669) |
| Jawa Barat | Other unintentional injuries                  | 5   | 3,998.5       | (2,424.4, 6,333.9)   | 0.001709                 | (0.0010365, 0.0027079) | 1,660.0       | (1,038.8, 2,575.0)   | 0.000753                 | (0.0004710, 0.0011676) |
| Jawa Barat | Diarrheal diseases                            | 10  | 5,609.7       | (3,793.7, 7,865.4)   | 0.002462                 | (0.0016650, 0.0034520) | 4,852.7       | (3,283.1, 6,878.1)   | 0.002225                 | (0.0015052, 0.0031534) |
| Jawa Barat | HIV/AIDS                                      | 10  | 835.5         | (367.4, 1,680.2)     | 0.000367                 | (0.0001612, 0.0007374) | 491.1         | (214.0, 1,015.4)     | 0.000225                 | (0.0000981, 0.0004655) |
| Jawa Barat | Lower respiratory infections                  | 10  | 8,090.7       | (5,872.0, 11,097.2)  | 0.003551                 | (0.0025772, 0.0048705) | 4,603.9       | (3,347.3, 6,255.1)   | 0.002111                 | (0.0015346, 0.0028678) |
| Jawa Barat | Malaria                                       | 10  | 77.1          | (22.2, 193.9)        | 0.000034                 | (0.0000098, 0.0000851) | 48.8          | (14.1, 124.4)        | 0.000022                 | (0.0000065, 0.0000571) |
| Jawa Barat | Tuberculosis                                  | 10  | 12,104.1      | (9,145.9, 15,813.8)  | 0.005312                 | (0.0040140, 0.0069405) | 7,550.6       | (5,732.8, 9,722.4)   | 0.003462                 | (0.0026283, 0.0044574) |
| Jawa Barat | Maternal disorders                            | 10  |               |                      |                          |                        | 404.4         | (74.9, 1,061.5)      | 0.000185                 | (0.0000344, 0.0004867) |
| Jawa Barat | Other communicable diseases                   | 10  | 26,840.9      | (21,375.6, 32,724.2) | 0.011780                 | (0.0093816, 0.0143623) | 16,116.0      | (12,653.0, 19,858.2) | 0.007389                 | (0.0058010, 0.0091044) |
| Jawa Barat | Other malignant neoplasms                     | 10  | 6,550.6       | (4,837.6, 8,582.3)   | 0.002875                 | (0.0021232, 0.0037667) | 5,408.3       | (3,978.1, 6,934.2)   | 0.002480                 | (0.0018239, 0.0031791) |
| Jawa Barat | Cerebrovascular disease                       | 10  | 1,896.1       | (1,163.8, 2,922.3)   | 0.000832                 | (0.0005108, 0.0012826) | 1,866.4       | (1,162.5, 2,770.1)   | 0.000856                 | (0.0005330, 0.0012700) |
| Jawa Barat | Ischemic heart disease                        | 10  | 2,677.3       | (1,654.3, 4,022.3)   | 0.001175                 | (0.0007261, 0.0017653) | 2,677.5       | (1,710.7, 3,885.2)   | 0.001228                 | (0.0007843, 0.0017812) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 10  | 1,850.0       | (1,085.1, 3,027.4)   | 0.000812                 | (0.0004762, 0.0013287) | 1,743.8       | (1,043.8, 2,748.3)   | 0.000800                 | (0.0004786, 0.0012600) |
| Jawa Barat | Diabetes mellitus                             | 10  | 975.6         | (539.3, 1,609.4)     | 0.000428                 | (0.0002367, 0.0007064) | 1,320.0       | (751.9, 2,141.6)     | 0.000605                 | (0.0003447, 0.0009819) |
| Jawa Barat | Chronic kidney disease                        | 10  | 2,690.8       | (1,759.6, 3,906.8)   | 0.001181                 | (0.0007723, 0.0017147) | 2,384.6       | (1,600.9, 3,402.2)   | 0.001093                 | (0.0007340, 0.0015598) |
| Jawa Barat | Cirrhosis                                     | 10  | 4,275.9       | (3,024.5, 5,881.1)   | 0.001877                 | (0.0013274, 0.0025812) | 1,903.1       | (1,288.8, 2,658.5)   | 0.000873                 | (0.0005909, 0.0012188) |
| Jawa Barat | Chronic respiratory diseases                  | 10  | 3,616.2       | (2,365.7, 5,275.6)   | 0.001587                 | (0.0010383, 0.0023154) | 1,279.2       | (796.2, 2,073.6)     | 0.000587                 | (0.0003650, 0.0009507) |
| Jawa Barat | Other non-communicable diseases               | 10  | 17,417.8      | (14,049.6, 21,151.6) | 0.007645                 | (0.0061662, 0.0092832) | 15,196.9      | (12,401.4, 18,444.5) | 0.006967                 | (0.0056857, 0.0084563) |
| Jawa Barat | Drowning                                      | 10  | 8,790.6       | (5,860.2, 12,279.5)  | 0.003858                 | (0.0025720, 0.0053893) | 2,395.0       | (1,448.2, 3,632.6)   | 0.001098                 | (0.0006640, 0.0016654) |
| Jawa Barat | Falls                                         | 10  | 2,668.7       | (1,502.6, 4,294.9)   | 0.001171                 | (0.0006595, 0.0018850) | 979.5         | (560.5, 1,636.8)     | 0.000449                 | (0.0002570, 0.0007504) |
| Jawa Barat | Interpersonal violence                        | 10  | 389.5         | (196.6, 749.2)       | 0.000171                 | (0.0000863, 0.0003288) | 254.5         | (128.7, 473.5)       | 0.000117                 | (0.0000590, 0.0002171) |
| Jawa Barat | Self-harm                                     | 10  | 1,235.2       | (564.8, 2,358.0)     | 0.000542                 | (0.0002479, 0.0010349) | 696.8         | (337.5, 1,223.0)     | 0.000320                 | (0.0001547, 0.0005607) |
| Jawa Barat | Transport injuries                            | 10  | 21,693.3      | (16,621.5, 26,876.6) | 0.009521                 | (0.0072950, 0.0117959) | 6,545.4       | (4,744.6, 8,675.9)   | 0.003001                 | (0.0021753, 0.0039776) |
| Jawa Barat | Other unintentional injuries                  | 10  | 3,766.2       | (2,579.3, 5,408.2)   | 0.001653                 | (0.0011320, 0.0023736) | 1,380.4       | (909.8, 1,980.8)     | 0.000633                 | (0.0004171, 0.0009081) |
| Jawa Barat | Diarrheal diseases                            | 15  | 2,887.7       | (1,690.0, 4,500.8)   | 0.001374                 | (0.0008043, 0.0021419) | 2,347.5       | (1,422.6, 3,501.0)   | 0.001158                 | (0.0007019, 0.0017274) |
| Jawa Barat | HIV/AIDS                                      | 15  | 611.8         | (246.0, 1,315.2)     | 0.000291                 | (0.0001171, 0.0006259) | 342.9         | (127.4, 788.6)       | 0.000169                 | (0.0000629, 0.0003891) |
| Jawa Barat | Lower respiratory infections                  | 15  | 3,173.1       | (2,251.1, 4,347.8)   | 0.001510                 | (0.0010713, 0.0020691) | 1,587.6       | (1,079.6, 2,298.8)   | 0.000783                 | (0.0005327, 0.0011342) |
| Jawa Barat | Malaria                                       | 15  | 166.5         | (53.5, 426.5)        | 0.000079                 | (0.0000255, 0.0002030) | 100.3         | (31.2, 257.9)        | 0.000050                 | (0.0000154, 0.0001272) |
| Jawa Barat | Tuberculosis                                  | 15  | 16,527.4      | (12,733.6, 20,741.1) | 0.007865                 | (0.0060598, 0.0098706) | 8,938.6       | (6,893.2, 11,377.1)  | 0.004410                 | (0.0034011, 0.0056134) |
| Jawa Barat | Maternal disorders                            | 15  |               |                      |                          |                        | 4,508.3       | (2,899.4, 6,742.3)   | 0.002224                 | (0.0014305, 0.0033266) |
| Jawa Barat | Other communicable diseases                   | 15  | 17,503.7      | (13,782.0, 21,914.9) | 0.008330                 | (0.0065588, 0.0104292) | 9,708.0       | (7,327.7, 12,214.6)  | 0.004790                 | (0.0036154, 0.0060266) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 15  | 733.9         | (299.9, 1,401.6)     | 0.000349                 | (0.0001427, 0.0006670) | 244.9         | (84.5, 531.6)        | 0.000121                 | (0.0000417, 0.0002623) |
| Jawa Barat | Breast cancer                                 | 15  | 22.2          | (2.9, 84.1)          | 0.000011                 | (0.0000014, 0.0000400) | 576.8         | (180.6, 1,258.4)     | 0.000285                 | (0.0000891, 0.0006209) |
| Jawa Barat | Cervical cancer                               | 15  |               |                      |                          |                        | 716.5         | (258.6, 1,563.0)     | 0.000354                 | (0.0001276, 0.0007712) |
| Jawa Barat | Other malignant neoplasms                     | 15  | 6,323.0       | (4,703.2, 8,257.3)   | 0.003009                 | (0.0022382, 0.0039296) | 6,509.8       | (4,741.7, 8,428.5)   | 0.003212                 | (0.0023395, 0.0041586) |
| Jawa Barat | Cerebrovascular disease                       | 15  | 2,840.1       | (1,766.6, 4,270.6)   | 0.001352                 | (0.0008407, 0.0020323) | 2,802.6       | (1,712.9, 4,141.4)   | 0.001383                 | (0.0008451, 0.0020433) |
| Jawa Barat | Ischemic heart disease                        | 15  | 6,707.7       | (4,746.9, 9,154.1)   | 0.003192                 | (0.0022590, 0.0043564) | 5,762.2       | (4,173.1, 7,732.0)   | 0.002843                 | (0.0020590, 0.0038149) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 15  | 2,290.5       | (1,295.3, 3,562.2)   | 0.001090                 | (0.0006164, 0.0016952) | 2,397.3       | (1,329.0, 3,764.3)   | 0.001183                 | (0.0006557, 0.0018573) |
| Jawa Barat | Diabetes mellitus                             | 15  | 1,297.3       | (725.6, 2,121.0)     | 0.000617                 | (0.0003453, 0.0010094) | 1,964.8       | (1,108.4, 3,185.7)   | 0.000969                 | (0.0005469, 0.0015718) |
| Jawa Barat | Chronic kidney disease                        | 15  | 3,251.5       | (2,147.9, 4,754.9)   | 0.001547                 | (0.0010222, 0.0022628) | 3,244.2       | (2,079.3, 4,880.1)   | 0.001601                 | (0.0010259, 0.0024078) |
| Jawa Barat | Cirrhosis                                     | 15  | 4,462.3       | (3,006.6, 6,550.2)   | 0.002124                 | (0.0014308, 0.0031172) | 2,220.7       | (1,451.2, 3,185.7)   | 0.001096                 | (0.0007160, 0.0015718) |
| Jawa Barat | Chronic respiratory diseases                  | 15  | 2,374.1       | (1,518.9, 3,507.8)   | 0.001130                 | (0.0007228, 0.0016694) | 1,125.5       | (641.7, 1,792.8)     | 0.000555                 | (0.0003166, 0.0008846) |
| Jawa Barat | Other non-communicable diseases               | 15  | 16,614.5      | (13,013.6, 20,802.5) | 0.007907                 | (0.0061931, 0.0098998) | 15,214.7      | (12,076.2, 18,795.9) | 0.007507                 | (0.0059583, 0.0092737) |
| Jawa Barat | Drowning                                      | 15  | 4,050.5       | (2,512.7, 6,113.6)   | 0.001928                 | (0.0011958, 0.0029094) | 1,160.8       | (653.0, 1,836.1)     | 0.000573                 | (0.0003222, 0.0009059) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Barat | Falls                                         | 15  | 2,110.8       | (1,349.3, 3,210.3)   | 0.001005                 | (0.0006421, 0.0015278) | 846.5         | (500.6, 1,359.8)     | 0.000418                 | (0.0002470, 0.0006709) |
| Jawa Barat | Interpersonal violence                        | 15  | 728.5         | (385.4, 1,282.8)     | 0.000347                 | (0.0001834, 0.0006105) | 531.4         | (284.5, 932.0)       | 0.000262                 | (0.0001404, 0.0004598) |
| Jawa Barat | Self-harm                                     | 15  | 1,915.1       | (1,167.0, 2,961.2)   | 0.000911                 | (0.0005554, 0.0014092) | 1,212.5       | (705.2, 1,890.5)     | 0.000598                 | (0.0003479, 0.0009328) |
| Jawa Barat | Transport injuries                            | 15  | 51,884.5      | (42,403.3, 60,686.1) | 0.024692                 | (0.0201795, 0.0288801) | 19,339.5      | (15,668.0, 23,000.5) | 0.009542                 | (0.0077305, 0.0113483) |
| Jawa Barat | Other unintentional injuries                  | 15  | 4,599.3       | (3,313.7, 6,126.1)   | 0.002189                 | (0.0015770, 0.0029154) | 1,854.5       | (1,230.9, 2,662.3)   | 0.000915                 | (0.0006073, 0.0013135) |
| Jawa Barat | Diarrheal diseases                            | 20  | 2,627.4       | (1,642.9, 4,005.2)   | 0.001345                 | (0.0008410, 0.0020503) | 1,708.0       | (1,040.3, 2,493.6)   | 0.000895                 | (0.0005451, 0.0013065) |
| Jawa Barat | HIV/AIDS                                      | 20  | 1,906.4       | (989.7, 3,377.0)     | 0.000976                 | (0.0005066, 0.0017287) | 860.5         | (448.8, 1,500.9)     | 0.000451                 | (0.0002352, 0.0007864) |
| Jawa Barat | Lower respiratory infections                  | 20  | 2,854.8       | (1,990.2, 3,932.5)   | 0.001461                 | (0.0010188, 0.0020130) | 1,085.4       | (736.2, 1,503.2)     | 0.000569                 | (0.0003858, 0.0007876) |
| Jawa Barat | Malaria                                       | 20  | 194.7         | (66.3, 478.0)        | 0.000100                 | (0.0000340, 0.0002447) | 87.5          | (27.9, 214.4)        | 0.000046                 | (0.0000146, 0.0001124) |
| Jawa Barat | Tuberculosis                                  | 20  | 30,825.8      | (24,727.9, 37,992.4) | 0.015780                 | (0.0126581, 0.0194481) | 11,503.2      | (9,196.6, 14,402.7)  | 0.006027                 | (0.0048187, 0.0075465) |
| Jawa Barat | Maternal disorders                            | 20  |               |                      |                          |                        | 6,425.9       | (4,562.3, 8,873.7)   | 0.003367                 | (0.0023905, 0.0046495) |
| Jawa Barat | Other communicable diseases                   | 20  | 20,554.4      | (16,361.2, 25,391.8) | 0.010522                 | (0.0083752, 0.0129980) | 9,278.3       | (7,142.2, 11,445.9)  | 0.004862                 | (0.0037422, 0.0059972) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 20  | 625.8         | (254.6, 1,276.0)     | 0.000320                 | (0.0001303, 0.0006532) | 323.6         | (144.3, 612.6)       | 0.000170                 | (0.0000756, 0.0003210) |
| Jawa Barat | Breast cancer                                 | 20  | 32.6          | (7.4, 91.5)          | 0.000017                 | (0.0000038, 0.0000468) | 1,442.0       | (844.9, 2,264.8)     | 0.000756                 | (0.0004427, 0.0011867) |
| Jawa Barat | Cervical cancer                               | 20  |               |                      |                          |                        | 1,295.3       | (723.8, 2,179.9)     | 0.000679                 | (0.0003792, 0.0011422) |
| Jawa Barat | Other malignant neoplasms                     | 20  | 5,665.7       | (4,313.9, 7,386.6)   | 0.002900                 | (0.0022083, 0.0037812) | 6,101.2       | (4,668.9, 7,819.8)   | 0.003197                 | (0.0024463, 0.0040973) |
| Jawa Barat | Cerebrovascular disease                       | 20  | 5,004.9       | (3,698.8, 6,573.0)   | 0.002562                 | (0.0018934, 0.0033647) | 3,731.8       | (2,753.6, 4,995.1)   | 0.001955                 | (0.0014428, 0.0026172) |
| Jawa Barat | Ischemic heart disease                        | 20  | 11,500.9      | (8,769.1, 14,940.3)  | 0.005887                 | (0.0044889, 0.0076479) | 5,778.9       | (4,368.9, 7,648.0)   | 0.003028                 | (0.0022891, 0.0040073) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 20  | 3,227.2       | (2,238.9, 4,500.9)   | 0.001652                 | (0.0011461, 0.0023040) | 2,860.9       | (2,067.1, 3,948.4)   | 0.001499                 | (0.0010831, 0.0020688) |
| Jawa Barat | Diabetes mellitus                             | 20  | 1,217.1       | (734.0, 1,841.4)     | 0.000623                 | (0.0003757, 0.0009426) | 1,508.5       | (943.0, 2,233.4)     | 0.000790                 | (0.0004941, 0.0011702) |
| Jawa Barat | Chronic kidney disease                        | 20  | 4,915.8       | (3,535.4, 6,491.6)   | 0.002516                 | (0.0018098, 0.0033230) | 3,931.5       | (2,897.8, 5,264.9)   | 0.002060                 | (0.0015184, 0.0027586) |
| Jawa Barat | Cirrhosis                                     | 20  | 6,875.8       | (5,011.9, 9,156.6)   | 0.003520                 | (0.0025655, 0.0046872) | 2,908.2       | (2,095.3, 3,875.3)   | 0.001524                 | (0.0010979, 0.0020305) |
| Jawa Barat | Chronic respiratory diseases                  | 20  | 4,652.4       | (3,392.4, 6,259.9)   | 0.002382                 | (0.0017365, 0.0032044) | 2,404.3       | (1,732.9, 3,317.1)   | 0.001260                 | (0.0009080, 0.0017381) |
| Jawa Barat | Other non-communicable diseases               | 20  | 14,799.2      | (11,733.8, 18,602.1) | 0.007576                 | (0.0060065, 0.0095223) | 10,926.6      | (8,641.7, 13,569.7)  | 0.005725                 | (0.0045279, 0.0071100) |
| Jawa Barat | Drowning                                      | 20  | 2,782.8       | (1,666.3, 4,441.9)   | 0.001425                 | (0.0008530, 0.0022738) | 647.7         | (355.0, 1,047.2)     | 0.000339                 | (0.0001860, 0.0005487) |
| Jawa Barat | Falls                                         | 20  | 1,972.1       | (1,235.9, 2,962.4)   | 0.001010                 | (0.0006327, 0.0015164) | 621.4         | (365.6, 978.3)       | 0.000326                 | (0.0001915, 0.0005126) |
| Jawa Barat | Interpersonal violence                        | 20  | 827.9         | (463.5, 1,404.6)     | 0.000424                 | (0.0002373, 0.0007190) | 422.0         | (223.5, 757.4)       | 0.000221                 | (0.0001171, 0.0003968) |
| Jawa Barat | Self-harm                                     | 20  | 1,857.8       | (1,173.9, 2,750.1)   | 0.000951                 | (0.0006009, 0.0014078) | 810.0         | (475.7, 1,228.2)     | 0.000424                 | (0.0002492, 0.0006435) |
| Jawa Barat | Transport injuries                            | 20  | 40,110.9      | (32,566.3, 47,591.0) | 0.020533                 | (0.0166705, 0.0243616) | 10,643.4      | (8,394.2, 13,100.9)  | 0.005577                 | (0.0043983, 0.0068644) |
| Jawa Barat | Other unintentional injuries                  | 20  | 4,866.8       | (3,591.2, 6,416.3)   | 0.002491                 | (0.0018383, 0.0032845) | 1,447.0       | (977.2, 2,045.3)     | 0.000758                 | (0.0005120, 0.0010717) |
| Jawa Barat | Diarrheal diseases                            | 25  | 3,770.5       | (2,508.5, 5,358.3)   | 0.001775                 | (0.0011807, 0.0025220) | 2,325.1       | (1,511.5, 3,295.9)   | 0.001128                 | (0.0007332, 0.0015987) |
| Jawa Barat | HIV/AIDS                                      | 25  | 3,523.5       | (2,135.3, 5,681.5)   | 0.001658                 | (0.0010050, 0.0026741) | 1,528.1       | (922.5, 2,464.6)     | 0.000741                 | (0.0004474, 0.0011954) |
| Jawa Barat | Lower respiratory infections                  | 25  | 2,904.7       | (2,068.3, 3,882.7)   | 0.001367                 | (0.0009735, 0.0018275) | 1,073.7       | (744.8, 1,459.0)     | 0.000521                 | (0.0003612, 0.0007077) |
| Jawa Barat | Malaria                                       | 25  | 209.0         | (68.1, 490.9)        | 0.000098                 | (0.0000321, 0.0002310) | 85.4          | (27.5, 218.2)        | 0.000041                 | (0.0000134, 0.0001058) |
| Jawa Barat | Tuberculosis                                  | 25  | 40,859.5      | (33,713.0, 48,996.9) | 0.019232                 | (0.0158678, 0.0230616) | 14,264.0      | (11,558.5, 17,973.7) | 0.006919                 | (0.0056064, 0.0087180) |
| Jawa Barat | Maternal disorders                            | 25  |               |                      |                          |                        | 6,371.0       | (4,371.1, 8,767.8)   | 0.003090                 | (0.0021201, 0.0042527) |
| Jawa Barat | Other communicable diseases                   | 25  | 22,065.2      | (17,771.8, 26,933.0) | 0.010386                 | (0.0083647, 0.0126767) | 9,541.1       | (7,362.3, 12,339.6)  | 0.004628                 | (0.0035710, 0.0059852) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 25  | 822.8         | (399.2, 1,516.8)     | 0.000387                 | (0.0001879, 0.0007139) | 403.5         | (208.2, 709.3)       | 0.000196                 | (0.0001010, 0.0003440) |
| Jawa Barat | Breast cancer                                 | 25  | 42.9          | (14.1, 105.2)        | 0.000020                 | (0.0000066, 0.0000495) | 2,834.0       | (1,991.1, 3,877.0)   | 0.001375                 | (0.0009657, 0.0018805) |
| Jawa Barat | Cervical cancer                               | 25  |               |                      |                          |                        | 2,091.4       | (1,288.2, 3,116.2)   | 0.001014                 | (0.0006248, 0.0015115) |
| Jawa Barat | Other malignant neoplasms                     | 25  | 8,469.2       | (6,809.4, 10,625.5)  | 0.003986                 | (0.0032050, 0.0050012) | 6,515.8       | (5,102.3, 8,231.8)   | 0.003160                 | (0.0024748, 0.0039928) |
| Jawa Barat | Cerebrovascular disease                       | 25  | 8,609.2       | (6,810.5, 10,619.6)  | 0.004052                 | (0.0032055, 0.0049984) | 5,702.9       | (4,495.2, 7,161.2)   | 0.002766                 | (0.0021804, 0.0034735) |
| Jawa Barat | Ischemic heart disease                        | 25  | 19,786.4      | (16,185.0, 24,103.4) | 0.009313                 | (0.0076179, 0.0113448) | 8,686.4       | (6,936.6, 10,960.8)  | 0.004213                 | (0.0033645, 0.0053165) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 25  | 4,220.4       | (3,165.1, 5,518.0)   | 0.001986                 | (0.0014897, 0.0025972) | 3,312.7       | (2,524.1, 4,351.5)   | 0.001607                 | (0.0012243, 0.0021107) |
| Jawa Barat | Diabetes mellitus                             | 25  | 2,110.4       | (1,526.5, 2,819.7)   | 0.000993                 | (0.0007185, 0.0013272) | 2,243.8       | (1,622.8, 3,039.7)   | 0.001088                 | (0.0007871, 0.0014744) |
| Jawa Barat | Chronic kidney disease                        | 25  | 5,740.1       | (4,427.8, 7,290.8)   | 0.002702                 | (0.0020840, 0.0034316) | 3,917.5       | (2,970.2, 5,041.0)   | 0.001900                 | (0.0014407, 0.0024451) |
| Jawa Barat | Cirrhosis                                     | 25  | 9,772.0       | (7,741.5, 12,225.0)  | 0.004599                 | (0.0036437, 0.0057540) | 3,639.8       | (2,803.4, 4,640.2)   | 0.001766                 | (0.0013598, 0.0022507) |
| Jawa Barat | Chronic respiratory diseases                  | 25  | 6,111.8       | (4,715.2, 7,828.0)   | 0.002877                 | (0.0022193, 0.0036845) | 2,771.5       | (2,086.8, 3,629.7)   | 0.001344                 | (0.0010122, 0.0017606) |
| Jawa Barat | Other non-communicable diseases               | 25  | 16,782.9      | (13,630.5, 20,183.3) | 0.007899                 | (0.0064155, 0.0094998) | 11,014.5      | (8,809.3, 13,603.7)  | 0.005343                 | (0.0042729, 0.0065984) |
| Jawa Barat | Drowning                                      | 25  | 1,798.1       | (903.2, 3,113.4)     | 0.000846                 | (0.0004251, 0.0014654) | 386.6         | (198.3, 658.5)       | 0.000188                 | (0.0000962, 0.0003194) |
| Jawa Barat | Falls                                         | 25  | 2,750.4       | (1,804.3, 4,132.6)   | 0.001295                 | (0.0008492, 0.0019451) | 786.3         | (498.4, 1,170.3)     | 0.000381                 | (0.0002417, 0.0005677) |
| Jawa Barat | Interpersonal violence                        | 25  | 822.3         | (437.4, 1,393.1)     | 0.000387                 | (0.0002059, 0.0006557) | 356.2         | (193.5, 622.6)       | 0.000173                 | (0.0000939, 0.0003020) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Barat | Self-harm                                     | 25  | 1,711.1       | (1,061.6, 2,573.6)   | 0.000805                 | (0.0004997, 0.0012113) | 625.2         | (389.5, 971.6)       | 0.000303                 | (0.0001889, 0.0004713) |
| Jawa Barat | Transport injuries                            | 25  | 26,490.5      | (21,079.6, 32,920.1) | 0.012468                 | (0.0099216, 0.0154946) | 5,823.4       | (4,518.8, 7,532.2)   | 0.002825                 | (0.0021918, 0.0036535) |
| Jawa Barat | Other unintentional injuries                  | 25  | 5,702.2       | (4,247.7, 7,501.6)   | 0.002684                 | (0.0019993, 0.0035308) | 1,483.0       | (1,017.4, 2,060.3)   | 0.000719                 | (0.0004935, 0.0009993) |
| Jawa Barat | Diarrheal diseases                            | 30  | 3,775.9       | (2,587.2, 5,279.5)   | 0.001917                 | (0.0013138, 0.0026809) | 2,066.4       | (1,402.0, 2,930.3)   | 0.001082                 | (0.0007343, 0.0015348) |
| Jawa Barat | HIV/AIDS                                      | 30  | 3,164.5       | (1,879.6, 4,774.2)   | 0.001607                 | (0.0009544, 0.0024243) | 1,258.9       | (741.2, 2,028.8)     | 0.000659                 | (0.0003882, 0.0010626) |
| Jawa Barat | Lower respiratory infections                  | 30  | 2,383.4       | (1,708.6, 3,181.3)   | 0.001210                 | (0.0008676, 0.0016155) | 818.9         | (553.9, 1,121.0)     | 0.000429                 | (0.0002901, 0.0005872) |
| Jawa Barat | Malaria                                       | 30  | 156.0         | (51.7, 371.1)        | 0.000079                 | (0.0000262, 0.0001884) | 55.1          | (18.3, 134.1)        | 0.000029                 | (0.0000096, 0.0000703) |
| Jawa Barat | Tuberculosis                                  | 30  | 35,550.8      | (29,070.6, 42,697.8) | 0.018052                 | (0.0147619, 0.0216817) | 11,185.9      | (8,797.7, 14,320.7)  | 0.005859                 | (0.0046080, 0.0075007) |
| Jawa Barat | Maternal disorders                            | 30  |               |                      |                          |                        | 7,701.2       | (5,602.1, 10,352.4)  | 0.004034                 | (0.0029342, 0.0054222) |
| Jawa Barat | Other communicable diseases                   | 30  | 14,051.2      | (11,109.9, 17,738.5) | 0.007135                 | (0.0056416, 0.0090075) | 5,417.6       | (4,077.4, 7,270.8)   | 0.002838                 | (0.0021356, 0.0038082) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 30  | 1,636.9       | (888.5, 2,954.7)     | 0.000831                 | (0.0004512, 0.0015004) | 405.2         | (226.6, 657.2)       | 0.000212                 | (0.0001187, 0.0003442) |
| Jawa Barat | Breast cancer                                 | 30  | 56.2          | (19.1, 137.0)        | 0.000029                 | (0.0000097, 0.0000696) | 3,966.7       | (2,878.5, 5,292.2)   | 0.002078                 | (0.0015076, 0.0027719) |
| Jawa Barat | Cervical cancer                               | 30  |               |                      |                          |                        | 2,885.0       | (1,866.3, 4,135.0)   | 0.001511                 | (0.0009775, 0.0021658) |
| Jawa Barat | Other malignant neoplasms                     | 30  | 9,953.1       | (8,012.3, 12,388.5)  | 0.005054                 | (0.0040686, 0.0062908) | 5,993.5       | (4,647.5, 7,734.8)   | 0.003139                 | (0.0024342, 0.0040512) |
| Jawa Barat | Cerebrovascular disease                       | 30  | 12,164.9      | (9,867.2, 14,844.8)  | 0.006177                 | (0.0050105, 0.0075381) | 7,921.4       | (6,287.1, 10,140.3)  | 0.004149                 | (0.0032930, 0.0053111) |
| Jawa Barat | Ischemic heart disease                        | 30  | 25,287.6      | (20,709.3, 30,535.7) | 0.012841                 | (0.0105161, 0.0155058) | 10,910.8      | (8,660.7, 13,643.1)  | 0.005715                 | (0.0045362, 0.0071458) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 30  | 4,577.3       | (3,479.9, 6,009.5)   | 0.002324                 | (0.0017671, 0.0030516) | 3,511.8       | (2,667.7, 4,553.9)   | 0.001839                 | (0.0013972, 0.0023852) |
| Jawa Barat | Diabetes mellitus                             | 30  | 3,163.9       | (2,375.4, 4,067.1)   | 0.001607                 | (0.0012062, 0.0020653) | 3,224.4       | (2,456.3, 4,216.9)   | 0.001689                 | (0.0012865, 0.0022087) |
| Jawa Barat | Chronic kidney disease                        | 30  | 5,671.4       | (4,492.1, 7,182.7)   | 0.002880                 | (0.0022810, 0.0036473) | 3,709.8       | (2,842.2, 4,811.6)   | 0.001943                 | (0.0014886, 0.0025202) |
| Jawa Barat | Cirrhosis                                     | 30  | 11,641.4      | (9,259.1, 14,646.7)  | 0.005911                 | (0.0047017, 0.0074375) | 4,254.2       | (3,323.0, 5,466.3)   | 0.002228                 | (0.0017405, 0.0028631) |
| Jawa Barat | Chronic respiratory diseases                  | 30  | 5,736.9       | (4,331.9, 7,362.8)   | 0.002913                 | (0.0021997, 0.0037388) | 2,550.2       | (1,900.1, 3,404.3)   | 0.001336                 | (0.0009952, 0.0017831) |
| Jawa Barat | Other non-communicable diseases               | 30  | 15,524.3      | (12,666.2, 18,785.8) | 0.007883                 | (0.0064318, 0.0095393) | 10,027.3      | (7,936.2, 12,727.8)  | 0.005252                 | (0.0041567, 0.0066664) |
| Jawa Barat | Drowning                                      | 30  | 1,808.1       | (1,005.1, 2,954.7)   | 0.000918                 | (0.0005104, 0.0015004) | 408.2         | (220.0, 657.2)       | 0.000214                 | (0.0001153, 0.0003442) |
| Jawa Barat | Falls                                         | 30  | 2,944.1       | (1,965.8, 4,225.9)   | 0.001495                 | (0.0009982, 0.0021459) | 867.1         | (555.2, 1,285.3)     | 0.000454                 | (0.0002908, 0.0006732) |
| Jawa Barat | Interpersonal violence                        | 30  | 566.2         | (300.1, 973.1)       | 0.000288                 | (0.0001524, 0.0004941) | 241.0         | (127.9, 406.3)       | 0.000126                 | (0.0000670, 0.0002128) |
| Jawa Barat | Self-harm                                     | 30  | 1,154.3       | (735.7, 1,748.4)     | 0.000586                 | (0.0003736, 0.0008878) | 411.4         | (248.3, 642.8)       | 0.000216                 | (0.0001300, 0.0003367) |
| Jawa Barat | Transport injuries                            | 30  | 20,326.4      | (16,273.5, 24,784.1) | 0.010322                 | (0.0082636, 0.0125852) | 4,472.5       | (3,398.4, 5,736.8)   | 0.002343                 | (0.0017800, 0.0030047) |
| Jawa Barat | Other unintentional injuries                  | 30  | 4,649.8       | (3,411.5, 6,090.6)   | 0.002361                 | (0.0017323, 0.0030928) | 1,211.8       | (817.3, 1,668.3)     | 0.000635                 | (0.0004281, 0.0008738) |
| Jawa Barat | Diarrheal diseases                            | 35  | 3,107.3       | (2,105.9, 4,461.3)   | 0.001657                 | (0.0011231, 0.0023793) | 2,130.7       | (1,441.4, 3,019.6)   | 0.001204                 | (0.0008148, 0.0017069) |
| Jawa Barat | HIV/AIDS                                      | 35  | 2,577.0       | (1,588.5, 4,076.7)   | 0.001374                 | (0.0008472, 0.0021741) | 1,248.0       | (738.2, 2,032.0)     | 0.000705                 | (0.0004173, 0.0011486) |
| Jawa Barat | Lower respiratory infections                  | 35  | 2,388.9       | (1,734.7, 3,201.2)   | 0.001274                 | (0.0009252, 0.0017073) | 1,039.8       | (724.7, 1,447.3)     | 0.000588                 | (0.0004097, 0.0008181) |
| Jawa Barat | Malaria                                       | 35  | 125.0         | (41.9, 295.1)        | 0.000067                 | (0.0000223, 0.0001574) | 52.5          | (18.4, 136.6)        | 0.000030                 | (0.0000104, 0.0000772) |
| Jawa Barat | Tuberculosis                                  | 35  | 34,649.3      | (28,406.1, 42,352.6) | 0.018479                 | (0.0151494, 0.0225873) | 13,082.5      | (9,976.8, 16,957.7)  | 0.007395                 | (0.0056397, 0.0095858) |
| Jawa Barat | Maternal disorders                            | 35  |               |                      |                          |                        | 6,743.5       | (4,780.6, 9,315.4)   | 0.003812                 | (0.0027024, 0.0052658) |
| Jawa Barat | Other communicable diseases                   | 35  | 11,893.8      | (9,074.5, 15,020.5)  | 0.006343                 | (0.0048396, 0.0080107) | 5,831.1       | (4,295.9, 7,787.9)   | 0.003296                 | (0.0024284, 0.0044023) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 35  | 1,103.3       | (549.3, 1,911.8)     | 0.000588                 | (0.0002930, 0.0010196) | 532.3         | (316.5, 825.1)       | 0.000301                 | (0.0001789, 0.0004664) |
| Jawa Barat | Breast cancer                                 | 35  | 109.6         | (45.2, 231.9)        | 0.000059                 | (0.0000241, 0.0001237) | 5,843.4       | (4,221.9, 7,840.1)   | 0.003303                 | (0.0023865, 0.0044318) |
| Jawa Barat | Cervical cancer                               | 35  |               |                      |                          |                        | 4,448.6       | (2,958.5, 6,283.7)   | 0.002515                 | (0.0016724, 0.0035521) |
| Jawa Barat | Other malignant neoplasms                     | 35  | 13,497.8      | (10,770.3, 16,785.4) | 0.007199                 | (0.0057440, 0.0089519) | 6,787.6       | (5,120.7, 8,725.4)   | 0.003837                 | (0.0028946, 0.0049323) |
| Jawa Barat | Cerebrovascular disease                       | 35  | 18,684.5      | (15,069.0, 22,880.0) | 0.009965                 | (0.0080366, 0.0122023) | 13,237.9      | (10,448.3, 16,721.1) | 0.007483                 | (0.0059062, 0.0094521) |
| Jawa Barat | Ischemic heart disease                        | 35  | 33,522.8      | (27,664.6, 40,847.3) | 0.017878                 | (0.0147540, 0.0217845) | 16,152.4      | (12,685.6, 20,057.1) | 0.009131                 | (0.0071709, 0.0113379) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 35  | 5,703.3       | (4,379.1, 7,400.3)   | 0.003042                 | (0.0023355, 0.0039467) | 4,604.4       | (3,525.0, 6,051.5)   | 0.002603                 | (0.0019926, 0.0034208) |
| Jawa Barat | Diabetes mellitus                             | 35  | 5,706.7       | (4,379.7, 7,382.3)   | 0.003044                 | (0.0023358, 0.0039371) | 6,103.3       | (4,684.6, 7,973.4)   | 0.003450                 | (0.0026481, 0.0045072) |
| Jawa Barat | Chronic kidney disease                        | 35  | 6,431.4       | (5,055.1, 8,159.7)   | 0.003430                 | (0.0026960, 0.0043517) | 4,399.7       | (3,323.4, 5,689.8)   | 0.002487                 | (0.0018786, 0.0032163) |
| Jawa Barat | Cirrhosis                                     | 35  | 14,248.8      | (11,378.1, 18,012.5) | 0.007599                 | (0.0060681, 0.0096063) | 5,668.4       | (4,381.6, 7,273.5)   | 0.003204                 | (0.0024768, 0.0041116) |
| Jawa Barat | Chronic respiratory diseases                  | 35  | 6,882.7       | (5,295.6, 8,771.7)   | 0.003671                 | (0.0028242, 0.0046781) | 3,062.1       | (2,291.6, 4,035.2)   | 0.001731                 | (0.0012954, 0.0022810) |
| Jawa Barat | Other non-communicable diseases               | 35  | 15,599.3      | (12,565.2, 19,202.2) | 0.008319                 | (0.0067012, 0.0102408) | 10,829.9      | (8,419.3, 13,965.1)  | 0.006122                 | (0.0047592, 0.0078942) |
| Jawa Barat | Drowning                                      | 35  | 2,293.1       | (1,352.5, 3,695.9)   | 0.001223                 | (0.0007213, 0.0019711) | 636.8         | (347.4, 1,042.2)     | 0.000360                 | (0.0001964, 0.0005891) |
| Jawa Barat | Falls                                         | 35  | 2,968.9       | (1,980.5, 4,245.5)   | 0.001583                 | (0.0010562, 0.0022642) | 1,041.3       | (654.1, 1,549.8)     | 0.000589                 | (0.0003698, 0.0008761) |
| Jawa Barat | Interpersonal violence                        | 35  | 461.8         | (240.7, 769.0)       | 0.000246                 | (0.0001284, 0.0004101) | 215.0         | (111.5, 375.6)       | 0.000122                 | (0.0000631, 0.0002123) |
| Jawa Barat | Self-harm                                     | 35  | 1,004.1       | (611.9, 1,502.8)     | 0.000536                 | (0.0003263, 0.0008015) | 385.0         | (227.1, 603.5)       | 0.000218                 | (0.0001284, 0.0003412) |
| Jawa Barat | Transport injuries                            | 35  | 16,090.6      | (12,667.8, 20,263.0) | 0.008581                 | (0.0067559, 0.0108066) | 4,034.1       | (2,963.0, 5,333.5)   | 0.002280                 | (0.0016749, 0.0030149) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Barat | Other unintentional injuries                  | 35  | 4,246.0       | (3,067.6, 5,826.9)   | 0.002264                 | (0.0016360, 0.0031076) | 1,253.9       | (836.7, 1,809.2)     | 0.000709                 | (0.0004730, 0.0010227) |
| Jawa Barat | Diarrheal diseases                            | 40  | 3,027.9       | (2,107.7, 4,328.2)   | 0.001867                 | (0.0012997, 0.0026689) | 2,442.7       | (1,681.7, 3,389.2)   | 0.001594                 | (0.0010974, 0.0022116) |
| Jawa Barat | HIV/AIDS                                      | 40  | 1,189.3       | (686.9, 1,910.6)     | 0.000733                 | (0.0004236, 0.0011781) | 684.9         | (395.4, 1,161.0)     | 0.000447                 | (0.0002580, 0.0007576) |
| Jawa Barat | Lower respiratory infections                  | 40  | 2,087.7       | (1,519.1, 2,773.5)   | 0.001287                 | (0.0009367, 0.0017102) | 1,125.7       | (776.1, 1,580.8)     | 0.000735                 | (0.0005065, 0.0010315) |
| Jawa Barat | Malaria                                       | 40  | 115.5         | (38.8, 279.6)        | 0.000071                 | (0.0000239, 0.0001724) | 53.4          | (18.1, 136.1)        | 0.000035                 | (0.0000118, 0.0000888) |
| Jawa Barat | Tuberculosis                                  | 40  | 29,582.7      | (23,670.8, 36,223.8) | 0.018242                 | (0.0145961, 0.0223365) | 12,784.5      | (9,962.9, 16,391.4)  | 0.008342                 | (0.0065011, 0.0106959) |
| Jawa Barat | Maternal disorders                            | 40  |               |                      |                          |                        | 1,946.0       | (1,227.5, 3,030.9)   | 0.001270                 | (0.0008010, 0.0019777) |
| Jawa Barat | Other communicable diseases                   | 40  | 10,304.6      | (8,175.4, 13,043.7)  | 0.006354                 | (0.0050412, 0.0080431) | 6,067.9       | (4,460.3, 8,108.2)   | 0.003960                 | (0.0029104, 0.0052908) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 40  | 2,135.0       | (1,382.3, 3,147.9)   | 0.001317                 | (0.0008524, 0.0019410) | 613.3         | (385.5, 937.4)       | 0.000400                 | (0.0002515, 0.0006117) |
| Jawa Barat | Breast cancer                                 | 40  | 190.3         | (95.0, 358.5)        | 0.000117                 | (0.0000586, 0.0002211) | 7,292.6       | (5,365.1, 9,642.1)   | 0.004759                 | (0.0035009, 0.0062918) |
| Jawa Barat | Cervical cancer                               | 40  |               |                      |                          |                        | 4,788.0       | (3,232.7, 6,689.7)   | 0.003124                 | (0.0021094, 0.0043652) |
| Jawa Barat | Other malignant neoplasms                     | 40  | 16,478.7      | (13,440.5, 20,386.7) | 0.010161                 | (0.0082878, 0.0125710) | 6,952.9       | (5,236.6, 9,165.9)   | 0.004537                 | (0.0034171, 0.0059810) |
| Jawa Barat | Cerebrovascular disease                       | 40  | 27,596.0      | (22,227.6, 33,291.6) | 0.017016                 | (0.0137061, 0.0205285) | 18,545.1      | (14,641.1, 23,639.7) | 0.012101                 | (0.0095538, 0.0154256) |
| Jawa Barat | Ischemic heart disease                        | 40  | 46,967.5      | (38,685.7, 56,372.4) | 0.028961                 | (0.0238546, 0.0347607) | 21,330.7      | (16,790.9, 26,742.4) | 0.013919                 | (0.0109566, 0.0174503) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 40  | 7,513.5       | (5,861.1, 9,517.4)   | 0.004633                 | (0.0036141, 0.0058687) | 5,633.6       | (4,295.8, 7,288.3)   | 0.003676                 | (0.0028032, 0.0047559) |
| Jawa Barat | Diabetes mellitus                             | 40  | 11,313.6      | (8,922.4, 14,062.3)  | 0.006976                 | (0.0055018, 0.0086712) | 11,004.8      | (8,635.5, 14,244.9)  | 0.007181                 | (0.0056350, 0.0092952) |
| Jawa Barat | Chronic kidney disease                        | 40  | 7,818.5       | (6,172.8, 9,825.1)   | 0.004821                 | (0.0038063, 0.0060584) | 4,866.2       | (3,672.8, 6,385.7)   | 0.003175                 | (0.0023966, 0.0041669) |
| Jawa Barat | Cirrhosis                                     | 40  | 16,400.2      | (13,071.7, 20,094.8) | 0.010113                 | (0.0080604, 0.0123910) | 6,242.7       | (4,848.7, 8,065.4)   | 0.004074                 | (0.0031639, 0.0052629) |
| Jawa Barat | Chronic respiratory diseases                  | 40  | 7,861.9       | (6,138.0, 9,917.5)   | 0.004848                 | (0.0037849, 0.0061154) | 3,285.5       | (2,492.7, 4,329.7)   | 0.002144                 | (0.0016265, 0.0028253) |
| Jawa Barat | Other non-communicable diseases               | 40  | 15,777.7      | (12,662.5, 19,149.4) | 0.009729                 | (0.0078081, 0.0118081) | 10,343.3      | (8,018.8, 13,259.8)  | 0.006749                 | (0.0052325, 0.0086524) |
| Jawa Barat | Drowning                                      | 40  | 1,037.0       | (575.5, 1,735.0)     | 0.000639                 | (0.0003549, 0.0010699) | 311.4         | (163.5, 534.2)       | 0.000203                 | (0.0001067, 0.0003486) |
| Jawa Barat | Falls                                         | 40  | 2,263.1       | (1,555.9, 3,249.1)   | 0.001396                 | (0.0009594, 0.0020035) | 826.6         | (535.4, 1,203.6)     | 0.000539                 | (0.0003493, 0.0007854) |
| Jawa Barat | Interpersonal violence                        | 40  | 328.3         | (170.6, 547.0)       | 0.000202                 | (0.0001052, 0.0003373) | 141.5         | (73.4, 241.9)        | 0.000092                 | (0.0000479, 0.0001579) |
| Jawa Barat | Self-harm                                     | 40  | 818.5         | (514.3, 1,235.1)     | 0.000505                 | (0.0003172, 0.0007616) | 285.0         | (163.8, 451.6)       | 0.000186                 | (0.0001069, 0.0002947) |
| Jawa Barat | Transport injuries                            | 40  | 11,405.7      | (8,767.7, 14,491.4)  | 0.007033                 | (0.0054064, 0.0089358) | 2,847.8       | (2,103.0, 3,783.0)   | 0.001858                 | (0.0013723, 0.0024685) |
| Jawa Barat | Other unintentional injuries                  | 40  | 3,034.5       | (2,192.0, 4,174.2)   | 0.001871                 | (0.0013517, 0.0025739) | 872.4         | (590.7, 1,236.2)     | 0.000569                 | (0.0003854, 0.0008066) |
| Jawa Barat | Diarrheal diseases                            | 45  | 2,709.0       | (1,888.9, 3,768.0)   | 0.002006                 | (0.0013984, 0.0027895) | 2,849.7       | (1,974.7, 3,916.5)   | 0.002233                 | (0.0015473, 0.0030688) |
| Jawa Barat | HIV/AIDS                                      | 45  | 555.5         | (325.3, 909.3)       | 0.000411                 | (0.0002408, 0.0006732) | 417.3         | (228.7, 715.0)       | 0.000327                 | (0.0001792, 0.0005602) |
| Jawa Barat | Lower respiratory infections                  | 45  | 2,251.5       | (1,678.8, 2,987.6)   | 0.001667                 | (0.0012429, 0.0022117) | 1,653.1       | (1,166.3, 2,240.1)   | 0.001295                 | (0.0009139, 0.0017552) |
| Jawa Barat | Malaria                                       | 45  | 92.5          | (32.5, 223.4)        | 0.000069                 | (0.0000241, 0.0001654) | 52.5          | (18.5, 137.4)        | 0.000041                 | (0.0000145, 0.0001077) |
| Jawa Barat | Tuberculosis                                  | 45  | 29,413.2      | (23,637.2, 36,088.6) | 0.021775                 | (0.0174991, 0.0267170) | 16,241.4      | (12,794.1, 20,333.5) | 0.012726                 | (0.0100248, 0.0159322) |
| Jawa Barat | Maternal disorders                            | 45  |               |                      |                          |                        | 452.8         | (217.7, 801.2)       | 0.000355                 | (0.0001706, 0.0006278) |
| Jawa Barat | Other communicable diseases                   | 45  | 7,880.0       | (6,033.4, 10,223.1)  | 0.005834                 | (0.0044667, 0.0075684) | 6,145.2       | (4,600.6, 8,091.6)   | 0.004815                 | (0.0036048, 0.0063402) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 45  | 2,436.9       | (1,623.2, 3,526.7)   | 0.001804                 | (0.0012017, 0.0026109) | 824.3         | (510.6, 1,259.3)     | 0.000646                 | (0.0004001, 0.0009868) |
| Jawa Barat | Breast cancer                                 | 45  | 222.6         | (116.3, 395.5)       | 0.000165                 | (0.0000861, 0.0002928) | 7,903.2       | (5,869.2, 10,191.1)  | 0.006193                 | (0.0045988, 0.0079852) |
| Jawa Barat | Cervical cancer                               | 45  |               |                      |                          |                        | 4,450.5       | (3,100.2, 6,193.8)   | 0.003487                 | (0.0024292, 0.0048531) |
| Jawa Barat | Other malignant neoplasms                     | 45  | 14,911.7      | (12,096.1, 18,455.2) | 0.011039                 | (0.0089549, 0.0136627) | 7,126.7       | (5,362.7, 9,175.6)   | 0.005584                 | (0.0042019, 0.0071895) |
| Jawa Barat | Cerebrovascular disease                       | 45  | 36,035.8      | (29,083.9, 44,181.0) | 0.026678                 | (0.0215313, 0.0327080) | 28,511.8      | (22,452.6, 35,484.1) | 0.022340                 | (0.0175926, 0.0278034) |
| Jawa Barat | Ischemic heart disease                        | 45  | 55,097.6      | (45,106.2, 67,174.4) | 0.040790                 | (0.0333930, 0.0497305) | 29,728.6      | (23,539.4, 37,085.2) | 0.023294                 | (0.0184442, 0.0290579) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 45  | 9,017.0       | (7,029.8, 11,392.4)  | 0.006675                 | (0.0052043, 0.0084340) | 7,753.7       | (5,949.1, 9,859.6)   | 0.006075                 | (0.0046614, 0.0077255) |
| Jawa Barat | Diabetes mellitus                             | 45  | 17,282.6      | (13,706.6, 21,499.6) | 0.012795                 | (0.0101472, 0.0159166) | 19,176.5      | (15,020.9, 23,853.7) | 0.015026                 | (0.0117695, 0.0186904) |
| Jawa Barat | Chronic kidney disease                        | 45  | 8,058.3       | (6,242.9, 10,253.8)  | 0.005966                 | (0.0046217, 0.0075911) | 5,732.7       | (4,310.5, 7,426.3)   | 0.004492                 | (0.0033774, 0.0058188) |
| Jawa Barat | Cirrhosis                                     | 45  | 15,858.1      | (12,474.8, 19,768.5) | 0.011740                 | (0.0092354, 0.0146350) | 7,195.0       | (5,578.6, 9,080.1)   | 0.005638                 | (0.0043711, 0.0071147) |
| Jawa Barat | Chronic respiratory diseases                  | 45  | 9,786.3       | (7,743.8, 12,244.5)  | 0.007245                 | (0.0057329, 0.0090649) | 4,694.8       | (3,525.0, 6,013.1)   | 0.003679                 | (0.0027620, 0.0047115) |
| Jawa Barat | Other non-communicable diseases               | 45  | 14,729.7      | (11,738.7, 18,121.1) | 0.010905                 | (0.0086904, 0.0134154) | 11,282.4      | (8,631.0, 14,131.4)  | 0.008840                 | (0.0067628, 0.0110726) |
| Jawa Barat | Drowning                                      | 45  | 610.7         | (313.2, 1,033.5)     | 0.000452                 | (0.0002318, 0.0007651) | 242.1         | (120.1, 418.9)       | 0.000190                 | (0.0000941, 0.0003282) |
| Jawa Barat | Falls                                         | 45  | 2,241.9       | (1,506.5, 3,288.4)   | 0.001660                 | (0.0011153, 0.0024345) | 1,043.9       | (671.2, 1,499.4)     | 0.000818                 | (0.0005259, 0.0011748) |
| Jawa Barat | Interpersonal violence                        | 45  | 261.4         | (136.7, 443.6)       | 0.000194                 | (0.0001012, 0.0003284) | 129.7         | (67.4, 222.4)        | 0.000102                 | (0.0000528, 0.0001742) |
| Jawa Barat | Self-harm                                     | 45  | 748.7         | (475.4, 1,094.6)     | 0.000554                 | (0.0003519, 0.0008103) | 294.8         | (176.1, 455.7)       | 0.000231                 | (0.0001380, 0.0003571) |
| Jawa Barat | Transport injuries                            | 45  | 10,313.6      | (7,917.5, 13,491.7)  | 0.007635                 | (0.0058615, 0.0099882) | 3,170.7       | (2,345.2, 4,129.0)   | 0.002484                 | (0.0018376, 0.0032353) |
| Jawa Barat | Other unintentional injuries                  | 45  | 2,586.4       | (1,836.4, 3,500.1)   | 0.001915                 | (0.0013595, 0.0025912) | 894.2         | (596.6, 1,276.1)     | 0.000701                 | (0.0004674, 0.0009999) |
| Jawa Barat | Diarrheal diseases                            | 50  | 3,253.1       | (2,361.4, 4,318.2)   | 0.002972                 | (0.0021577, 0.0039456) | 3,422.8       | (2,524.2, 4,549.1)   | 0.003329                 | (0.0024546, 0.0044238) |



Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|            |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Barat | HIV/AIDS                                      | 50  | 214.5 (109.6, 380.3)          | 0.000196 (0.0001002, 0.0003475) | 166.2 (86.8, 300.9)           | 0.000162 (0.0000844, 0.0002926) |
| Jawa Barat | Lower respiratory infections                  | 50  | 2,666.4 (1,968.3, 3,461.4)    | 0.002436 (0.0017984, 0.0031628) | 2,013.9 (1,473.0, 2,636.2)    | 0.001958 (0.0014324, 0.0025636) |
| Jawa Barat | Malaria                                       | 50  | 81.9 (28.6, 196.6)            | 0.000075 (0.0000261, 0.0001796) | 46.2 (16.0, 112.0)            | 0.000045 (0.0000156, 0.0001089) |
| Jawa Barat | Tuberculosis                                  | 50  | 28,983.5 (23,037.8, 35,306.2) | 0.026483 (0.0210502, 0.0322601) | 16,196.8 (12,648.9, 20,197.9) | 0.015750 (0.0123003, 0.0196413) |
| Jawa Barat | Maternal disorders                            | 50  |                               |                                 | 141.8 (48.2, 344.7)           | 0.000138 (0.0000469, 0.0003352) |
| Jawa Barat | Other communicable diseases                   | 50  | 7,251.1 (5,532.4, 9,153.4)    | 0.006626 (0.0050551, 0.0083637) | 5,671.9 (4,339.9, 7,342.5)    | 0.005516 (0.0042203, 0.0071402) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 50  | 3,122.4 (2,085.4, 4,398.8)    | 0.002853 (0.0019055, 0.0040193) | 828.3 (533.7, 1,220.2)        | 0.000805 (0.0005190, 0.0011866) |
| Jawa Barat | Breast cancer                                 | 50  | 178.4 (90.6, 314.5)           | 0.000163 (0.0000828, 0.0002874) | 6,218.1 (4,672.9, 7,994.3)    | 0.006047 (0.0045441, 0.0077739) |
| Jawa Barat | Cervical cancer                               | 50  |                               |                                 | 3,719.8 (2,568.3, 5,114.8)    | 0.003617 (0.0024975, 0.0049738) |
| Jawa Barat | Other malignant neoplasms                     | 50  | 11,921.9 (9,525.9, 14,993.8)  | 0.010893 (0.0087040, 0.0137002) | 6,544.1 (4,925.2, 8,366.7)    | 0.006364 (0.0047895, 0.0081361) |
| Jawa Barat | Cerebrovascular disease                       | 50  | 44,224.1 (35,160.8, 53,941.0) | 0.040409 (0.0321273, 0.0492872) | 34,869.7 (27,871.9, 43,068.3) | 0.033909 (0.0271038, 0.0418814) |
| Jawa Barat | Ischemic heart disease                        | 50  | 59,777.5 (48,575.7, 72,272.2) | 0.054620 (0.0443848, 0.0660368) | 31,782.6 (25,238.8, 39,150.6) | 0.030907 (0.0245432, 0.0380717) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 50  | 10,790.4 (8,354.7, 13,481.0)  | 0.009859 (0.0076339, 0.0123179) | 9,361.5 (7,342.9, 11,767.0)   | 0.009104 (0.0071406, 0.0114427) |
| Jawa Barat | Diabetes mellitus                             | 50  | 20,920.2 (16,517.1, 25,849.7) | 0.019115 (0.0150920, 0.0236195) | 23,219.0 (18,364.0, 28,718.7) | 0.022579 (0.0178579, 0.0279273) |
| Jawa Barat | Chronic kidney disease                        | 50  | 7,664.8 (5,942.5, 9,941.9)    | 0.007004 (0.0054298, 0.0090842) | 5,488.8 (4,220.9, 7,101.8)    | 0.005338 (0.0041046, 0.0069061) |
| Jawa Barat | Cirrhosis                                     | 50  | 15,248.5 (11,989.1, 19,043.6) | 0.013933 (0.0109548, 0.0174006) | 7,003.4 (5,515.2, 8,738.4)    | 0.006810 (0.0053632, 0.0084976) |
| Jawa Barat | Chronic respiratory diseases                  | 50  | 11,941.5 (9,387.6, 14,952.0)  | 0.010911 (0.0085777, 0.0136621) | 6,004.5 (4,604.9, 7,690.3)    | 0.005839 (0.0044780, 0.0074783) |
| Jawa Barat | Other non-communicable diseases               | 50  | 14,172.7 (11,235.9, 17,490.2) | 0.012950 (0.0102665, 0.0159813) | 10,931.0 (8,480.7, 13,677.6)  | 0.010630 (0.0082470, 0.0133007) |
| Jawa Barat | Drowning                                      | 50  | 403.5 (212.0, 688.9)          | 0.000369 (0.0001937, 0.0006294) | 159.7 (81.6, 282.2)           | 0.000155 (0.0000793, 0.0002744) |
| Jawa Barat | Falls                                         | 50  | 2,292.9 (1,574.3, 3,108.0)    | 0.002095 (0.0014384, 0.0028398) | 1,056.8 (738.3, 1,491.3)      | 0.001028 (0.0007179, 0.0014502) |
| Jawa Barat | Interpersonal violence                        | 50  | 179.5 (97.3, 303.7)           | 0.000164 (0.0000889, 0.0002775) | 86.9 (45.8, 148.5)            | 0.000085 (0.0000445, 0.0001444) |
| Jawa Barat | Self-harm                                     | 50  | 571.2 (363.0, 858.9)          | 0.000522 (0.0003317, 0.0007848) | 218.3 (130.8, 341.1)          | 0.000212 (0.0001272, 0.0003317) |
| Jawa Barat | Transport injuries                            | 50  | 7,246.8 (5,506.0, 9,435.6)    | 0.006622 (0.0050310, 0.0086215) | 2,179.3 (1,579.4, 2,856.2)    | 0.002119 (0.0015359, 0.0027775) |
| Jawa Barat | Other unintentional injuries                  | 50  | 1,879.4 (1,315.1, 2,529.7)    | 0.001717 (0.0012016, 0.0023114) | 635.6 (433.5, 900.2)          | 0.000618 (0.0004216, 0.0008754) |
| Jawa Barat | Diarrheal diseases                            | 55  | 3,431.1 (2,516.6, 4,564.5)    | 0.004123 (0.0030241, 0.0054849) | 3,450.1 (2,562.4, 4,536.4)    | 0.004684 (0.0034787, 0.0061585) |
| Jawa Barat | HIV/AIDS                                      | 55  | 89.6 (37.9, 179.3)            | 0.000108 (0.0000455, 0.0002155) | 66.4 (27.7, 125.3)            | 0.000090 (0.0000376, 0.0001702) |
| Jawa Barat | Lower respiratory infections                  | 55  | 2,551.7 (1,891.0, 3,307.9)    | 0.003066 (0.0022724, 0.0039750) | 1,990.2 (1,469.4, 2,618.3)    | 0.002702 (0.0019949, 0.0035546) |
| Jawa Barat | Malaria                                       | 55  | 80.2 (29.0, 190.4)            | 0.000096 (0.0000348, 0.0002289) | 41.7 (14.3, 103.6)            | 0.000057 (0.0000195, 0.0001407) |
| Jawa Barat | Tuberculosis                                  | 55  | 23,822.6 (18,652.8, 29,096.4) | 0.028626 (0.0224140, 0.0349636) | 13,461.2 (10,602.1, 16,724.3) | 0.018275 (0.0143931, 0.0227043) |
| Jawa Barat | Other communicable diseases                   | 55  | 6,664.4 (5,034.1, 8,656.7)    | 0.008008 (0.0060492, 0.0104023) | 5,031.9 (3,769.9, 6,491.4)    | 0.006831 (0.0051179, 0.0088125) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 55  | 2,649.8 (1,868.6, 3,687.3)    | 0.003184 (0.0022454, 0.0044308) | 689.1 (437.7, 1,002.3)        | 0.000936 (0.0005942, 0.0013607) |
| Jawa Barat | Breast cancer                                 | 55  | 199.7 (96.7, 367.4)           | 0.000240 (0.0001161, 0.0004414) | 4,356.7 (3,220.7, 5,644.8)    | 0.005915 (0.0043723, 0.0076633) |
| Jawa Barat | Cervical cancer                               | 55  |                               |                                 | 2,753.5 (1,846.7, 3,871.1)    | 0.003738 (0.0025070, 0.0052553) |
| Jawa Barat | Other malignant neoplasms                     | 55  | 11,372.3 (8,716.2, 14,163.0)  | 0.013666 (0.0104737, 0.0170189) | 5,192.0 (3,978.3, 6,650.1)    | 0.007049 (0.0054009, 0.0090280) |
| Jawa Barat | Cerebrovascular disease                       | 55  | 48,853.5 (38,791.5, 59,528.8) | 0.058705 (0.0466136, 0.0715324) | 38,110.9 (30,330.7, 46,225.1) | 0.051738 (0.0411760, 0.0627537) |
| Jawa Barat | Ischemic heart disease                        | 55  | 57,173.0 (45,060.3, 70,024.1) | 0.068702 (0.0541464, 0.0841440) | 33,127.8 (26,348.0, 40,242.4) | 0.044973 (0.0357692, 0.0546318) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 55  | 12,498.1 (9,673.3, 15,573.9)  | 0.015018 (0.0116239, 0.0187143) | 9,948.0 (7,793.9, 12,344.3)   | 0.013505 (0.0105807, 0.0167582) |
| Jawa Barat | Diabetes mellitus                             | 55  | 21,429.7 (16,724.7, 26,534.0) | 0.025751 (0.0200972, 0.0318844) | 23,279.7 (18,366.0, 28,581.2) | 0.031604 (0.0249332, 0.0388010) |
| Jawa Barat | Chronic kidney disease                        | 55  | 7,177.5 (5,512.1, 9,262.7)    | 0.008625 (0.0066235, 0.0111305) | 4,997.5 (3,832.0, 6,401.3)    | 0.006785 (0.0052022, 0.0086903) |
| Jawa Barat | Cirrhosis                                     | 55  | 13,121.6 (10,371.1, 16,621.6) | 0.015768 (0.0124624, 0.0199732) | 6,001.2 (4,663.6, 7,445.3)    | 0.008147 (0.0063311, 0.0101075) |
| Jawa Barat | Chronic respiratory diseases                  | 55  | 14,466.9 (11,389.3, 18,227.5) | 0.017384 (0.0136858, 0.0219029) | 6,335.4 (4,898.8, 7,944.9)    | 0.008601 (0.0066504, 0.0107857) |
| Jawa Barat | Other non-communicable diseases               | 55  | 14,431.9 (11,456.6, 17,664.5) | 0.017342 (0.0137668, 0.0212264) | 10,662.9 (8,353.6, 13,370.9)  | 0.014476 (0.0113405, 0.0181519) |
| Jawa Barat | Drowning                                      | 55  | 262.4 (126.9, 504.0)          | 0.000315 (0.0001525, 0.0006056) | 106.5 (50.8, 202.6)           | 0.000145 (0.0000690, 0.0002750) |
| Jawa Barat | Falls                                         | 55  | 2,209.4 (1,526.3, 3,132.5)    | 0.002655 (0.0018341, 0.0037642) | 1,026.2 (716.1, 1,426.2)      | 0.001393 (0.0009722, 0.0019361) |
| Jawa Barat | Interpersonal violence                        | 55  | 129.0 (63.7, 225.4)           | 0.000155 (0.0000765, 0.0002709) | 59.1 (29.6, 103.9)            | 0.000080 (0.0000402, 0.0001411) |
| Jawa Barat | Self-harm                                     | 55  | 470.5 (287.6, 722.8)          | 0.000565 (0.0003456, 0.0008686) | 168.9 (98.6, 262.1)           | 0.000229 (0.0001338, 0.0003558) |
| Jawa Barat | Transport injuries                            | 55  | 4,344.5 (3,118.8, 5,779.4)    | 0.005221 (0.0037477, 0.0069448) | 1,289.0 (914.7, 1,727.7)      | 0.001750 (0.0012418, 0.0023455) |
| Jawa Barat | Other unintentional injuries                  | 55  | 1,390.0 (917.1, 2,001.4)      | 0.001670 (0.0011020, 0.0024050) | 457.4 (294.0, 652.1)          | 0.000621 (0.0003992, 0.0008853) |
| Jawa Barat | Diarrheal diseases                            | 60  | 3,670.1 (2,734.9, 4,825.2)    | 0.006642 (0.0049497, 0.0087327) | 3,877.4 (2,905.1, 4,993.4)    | 0.006894 (0.0051655, 0.0088788) |
| Jawa Barat | HIV/AIDS                                      | 60  | 57.7 (19.7, 123.9)            | 0.000104 (0.0000357, 0.0002242) | 46.4 (17.3, 95.5)             | 0.000083 (0.0000308, 0.0001698) |
| Jawa Barat | Lower respiratory infections                  | 60  | 3,115.3 (2,359.7, 4,013.1)    | 0.005638 (0.0042705, 0.0072630) | 2,795.1 (2,136.7, 3,538.1)    | 0.004970 (0.0037993, 0.0062912) |
| Jawa Barat | Malaria                                       | 60  | 81.6 (30.4, 187.8)            | 0.000148 (0.0000550, 0.0003400) | 42.7 (14.0, 101.9)            | 0.000076 (0.0000249, 0.0001811) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Barat | Tuberculosis                                  | 60  | 25,510.8      | (20,102.0, 30,984.4) | 0.046170                 | (0.0363808, 0.0560760) | 16,046.0      | (12,945.7, 19,738.8) | 0.028532                 | (0.0230188, 0.0350976) |
| Jawa Barat | Other communicable diseases                   | 60  | 5,073.6       | (3,782.9, 6,575.1)   | 0.009182                 | (0.0068464, 0.0118998) | 4,085.8       | (3,020.5, 5,312.6)   | 0.007265                 | (0.0053707, 0.0094463) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 60  | 2,423.8       | (1,661.8, 3,452.9)   | 0.004387                 | (0.0030076, 0.0062492) | 632.0         | (399.8, 920.3)       | 0.001124                 | (0.0007108, 0.0016363) |
| Jawa Barat | Breast cancer                                 | 60  | 176.4         | (70.4, 354.8)        | 0.000319                 | (0.0001274, 0.0006422) | 2,998.9       | (2,213.0, 3,911.3)   | 0.005332                 | (0.0039350, 0.0069546) |
| Jawa Barat | Cervical cancer                               | 60  |               |                      |                          |                        | 2,535.3       | (1,802.5, 3,434.6)   | 0.004508                 | (0.0032051, 0.0061070) |
| Jawa Barat | Other malignant neoplasms                     | 60  | 10,308.4      | (7,990.1, 12,926.6)  | 0.018656                 | (0.0144606, 0.0233946) | 4,840.6       | (3,769.2, 5,990.7)   | 0.008607                 | (0.0067020, 0.0106520) |
| Jawa Barat | Cerebrovascular disease                       | 60  | 50,167.3      | (40,521.8, 60,701.3) | 0.090794                 | (0.0733369, 0.1098580) | 42,875.1      | (35,222.1, 51,833.4) | 0.076236                 | (0.0626287, 0.0921653) |
| Jawa Barat | Ischemic heart disease                        | 60  | 52,160.6      | (41,590.8, 61,799.5) | 0.094401                 | (0.0752715, 0.1118455) | 35,032.2      | (28,497.3, 42,543.2) | 0.062291                 | (0.0506713, 0.0756463) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 60  | 13,249.5      | (10,294.3, 16,484.9) | 0.023979                 | (0.0186308, 0.0298345) | 10,940.6      | (8,744.1, 13,274.0)  | 0.019454                 | (0.0155480, 0.0236027) |
| Jawa Barat | Diabetes mellitus                             | 60  | 18,035.3      | (14,016.9, 22,381.8) | 0.032640                 | (0.0253680, 0.0405069) | 21,378.2      | (17,303.6, 25,846.1) | 0.038013                 | (0.0307676, 0.0459572) |
| Jawa Barat | Chronic kidney disease                        | 60  | 6,257.2       | (4,829.4, 7,957.9)   | 0.011324                 | (0.0087404, 0.0144023) | 4,672.3       | (3,669.3, 6,008.6)   | 0.008308                 | (0.0065244, 0.0106839) |
| Jawa Barat | Cirrhosis                                     | 60  | 10,480.3      | (8,182.9, 12,978.8)  | 0.018968                 | (0.0148096, 0.0234892) | 5,304.9       | (4,200.4, 6,603.6)   | 0.009433                 | (0.0074687, 0.0117418) |
| Jawa Barat | Chronic respiratory diseases                  | 60  | 19,721.7      | (15,633.9, 24,332.1) | 0.035693                 | (0.0282944, 0.0440365) | 8,902.9       | (7,309.6, 10,968.9)  | 0.015830                 | (0.0129972, 0.0195039) |
| Jawa Barat | Other non-communicable diseases               | 60  | 15,378.9      | (12,332.7, 18,824.9) | 0.027833                 | (0.0223199, 0.0340696) | 12,158.7      | (9,771.7, 14,748.1)  | 0.021619                 | (0.0173752, 0.0262238) |
| Jawa Barat | Drowning                                      | 60  | 170.2         | (79.8, 323.9)        | 0.000308                 | (0.0001445, 0.0005862) | 81.6          | (33.4, 155.4)        | 0.000145                 | (0.0000594, 0.0002763) |
| Jawa Barat | Falls                                         | 60  | 1,638.9       | (1,135.8, 2,300.0)   | 0.002966                 | (0.0020555, 0.0041625) | 868.0         | (615.8, 1,201.2)     | 0.001543                 | (0.0010949, 0.0021359) |
| Jawa Barat | Interpersonal violence                        | 60  | 82.0          | (40.1, 146.3)        | 0.000148                 | (0.0000725, 0.0002648) | 39.7          | (19.5, 74.2)         | 0.000071                 | (0.0000347, 0.0001319) |
| Jawa Barat | Self-harm                                     | 60  | 342.5         | (208.6, 535.7)       | 0.000620                 | (0.0003774, 0.0009696) | 128.1         | (76.7, 210.6)        | 0.000228                 | (0.0001364, 0.0003745) |
| Jawa Barat | Transport injuries                            | 60  | 3,237.9       | (2,426.3, 4,346.2)   | 0.005860                 | (0.0043911, 0.0078658) | 1,072.3       | (782.8, 1,433.0)     | 0.001907                 | (0.0013919, 0.0025481) |
| Jawa Barat | Other unintentional injuries                  | 60  | 1,015.1       | (668.3, 1,442.8)     | 0.001837                 | (0.0012094, 0.0026112) | 365.1         | (242.6, 522.8)       | 0.000649                 | (0.0004314, 0.0009297) |
| Jawa Barat | Diarrheal diseases                            | 65  | 5,224.8       | (3,982.5, 6,711.0)   | 0.012416                 | (0.0094636, 0.0159472) | 5,580.2       | (4,344.5, 7,100.1)   | 0.012912                 | (0.0100529, 0.0164289) |
| Jawa Barat | HIV/AIDS                                      | 65  | 47.8          | (18.8, 98.8)         | 0.000114                 | (0.0000447, 0.0002347) | 39.4          | (16.1, 78.4)         | 0.000091                 | (0.0000372, 0.0001815) |
| Jawa Barat | Lower respiratory infections                  | 65  | 3,137.8       | (2,359.0, 4,112.7)   | 0.007456                 | (0.0056056, 0.0097730) | 2,988.8       | (2,341.4, 3,809.6)   | 0.006916                 | (0.0054178, 0.0088150) |
| Jawa Barat | Malaria                                       | 65  | 73.2          | (26.4, 163.8)        | 0.000174                 | (0.0000627, 0.0003893) | 36.1          | (12.1, 88.1)         | 0.000084                 | (0.0000281, 0.0002039) |
| Jawa Barat | Tuberculosis                                  | 65  | 23,405.4      | (18,676.8, 28,387.9) | 0.055618                 | (0.0443814, 0.0674576) | 14,543.9      | (11,859.3, 17,981.9) | 0.033653                 | (0.0274414, 0.0416087) |
| Jawa Barat | Other communicable diseases                   | 65  | 4,207.4       | (3,099.8, 5,465.2)   | 0.009998                 | (0.0073660, 0.0129870) | 3,505.5       | (2,636.2, 4,569.4)   | 0.008111                 | (0.0060999, 0.0105732) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 65  | 1,688.0       | (1,163.7, 2,437.7)   | 0.004011                 | (0.0027652, 0.0057926) | 442.7         | (271.5, 665.6)       | 0.001024                 | (0.0006282, 0.0015403) |
| Jawa Barat | Breast cancer                                 | 65  | 113.8         | (40.1, 252.1)        | 0.000271                 | (0.0000952, 0.0005990) | 1,804.5       | (1,310.3, 2,435.6)   | 0.004175                 | (0.0030319, 0.0056357) |
| Jawa Barat | Cervical cancer                               | 65  |               |                      |                          |                        | 1,713.6       | (1,167.6, 2,398.6)   | 0.003965                 | (0.0027017, 0.0055502) |
| Jawa Barat | Other malignant neoplasms                     | 65  | 7,162.0       | (5,381.6, 9,072.0)   | 0.017019                 | (0.0127881, 0.0215576) | 3,941.0       | (3,015.2, 5,081.6)   | 0.009119                 | (0.0069770, 0.0117584) |
| Jawa Barat | Cerebrovascular disease                       | 65  | 46,541.7      | (37,466.6, 56,365.9) | 0.110596                 | (0.0890312, 0.1339413) | 41,334.1      | (34,131.5, 50,943.3) | 0.095644                 | (0.0789775, 0.1178785) |
| Jawa Barat | Ischemic heart disease                        | 65  | 45,503.7      | (36,282.8, 54,721.1) | 0.108130                 | (0.0862182, 0.1300326) | 30,944.4      | (25,147.2, 38,151.8) | 0.071603                 | (0.0581886, 0.0882801) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 65  | 13,063.1      | (10,300.9, 16,317.0) | 0.031042                 | (0.0244779, 0.0387739) | 11,039.1      | (8,994.6, 13,765.1)  | 0.025544                 | (0.0208128, 0.0318513) |
| Jawa Barat | Diabetes mellitus                             | 65  | 12,889.3      | (10,018.2, 16,019.7) | 0.030629                 | (0.0238062, 0.0380673) | 15,807.3      | (12,683.8, 19,499.7) | 0.036577                 | (0.0293493, 0.0451207) |
| Jawa Barat | Chronic kidney disease                        | 65  | 5,232.5       | (4,019.8, 6,743.5)   | 0.012434                 | (0.0095522, 0.0160245) | 3,937.0       | (3,087.0, 5,089.3)   | 0.009110                 | (0.0071431, 0.0117762) |
| Jawa Barat | Cirrhosis                                     | 65  | 7,242.1       | (5,557.6, 9,191.3)   | 0.017209                 | (0.0132065, 0.0218411) | 3,874.5       | (3,078.5, 4,842.1)   | 0.008965                 | (0.0071234, 0.0112043) |
| Jawa Barat | Chronic respiratory diseases                  | 65  | 19,565.8      | (15,500.7, 23,935.2) | 0.046494                 | (0.0368340, 0.0568767) | 9,164.6       | (7,407.7, 11,436.5)  | 0.021206                 | (0.0171409, 0.0264631) |
| Jawa Barat | Other non-communicable diseases               | 65  | 15,394.3      | (12,150.3, 18,887.8) | 0.036581                 | (0.0288725, 0.0448827) | 12,569.9      | (10,124.6, 15,573.7) | 0.029086                 | (0.0234275, 0.0360363) |
| Jawa Barat | Drowning                                      | 65  | 113.6         | (48.9, 225.4)        | 0.000270                 | (0.0001161, 0.0005355) | 61.3          | (25.7, 118.8)        | 0.000142                 | (0.0000595, 0.0002749) |
| Jawa Barat | Falls                                         | 65  | 1,419.1       | (996.1, 1,996.3)     | 0.003372                 | (0.0023670, 0.0047439) | 816.1         | (580.0, 1,131.6)     | 0.001888                 | (0.0013422, 0.0026185) |
| Jawa Barat | Interpersonal violence                        | 65  | 54.7          | (23.3, 103.3)        | 0.000130                 | (0.0000553, 0.0002454) | 25.5          | (11.3, 51.3)         | 0.000059                 | (0.0000260, 0.0001186) |
| Jawa Barat | Self-harm                                     | 65  | 263.6         | (152.6, 424.9)       | 0.000626                 | (0.0003627, 0.0010097) | 93.0          | (53.8, 153.3)        | 0.000215                 | (0.0001244, 0.0003548) |
| Jawa Barat | Transport injuries                            | 65  | 2,247.2       | (1,602.6, 3,062.9)   | 0.005340                 | (0.0038083, 0.0072784) | 781.1         | (542.9, 1,075.9)     | 0.001807                 | (0.0012563, 0.0024896) |
| Jawa Barat | Other unintentional injuries                  | 65  | 781.2         | (510.3, 1,107.0)     | 0.001857                 | (0.0012126, 0.0026307) | 285.4         | (188.4, 405.2)       | 0.000661                 | (0.0004361, 0.0009377) |
| Jawa Barat | Diarrheal diseases                            | 70  | 6,162.9       | (4,816.8, 7,682.4)   | 0.022065                 | (0.0172454, 0.0275050) | 7,476.7       | (6,018.7, 9,341.0)   | 0.023169                 | (0.0186510, 0.0289464) |
| Jawa Barat | HIV/AIDS                                      | 70  | 53.9          | (22.4, 117.9)        | 0.000193                 | (0.0000801, 0.0004221) | 51.2          | (22.1, 104.8)        | 0.000159                 | (0.0000685, 0.0003247) |
| Jawa Barat | Lower respiratory infections                  | 70  | 3,413.1       | (2,549.8, 4,413.5)   | 0.012220                 | (0.0091289, 0.0158017) | 3,944.4       | (3,046.4, 5,062.3)   | 0.012223                 | (0.0094403, 0.0156874) |
| Jawa Barat | Malaria                                       | 70  | 56.3          | (20.4, 130.4)        | 0.000202                 | (0.0000730, 0.0004668) | 30.0          | (10.1, 74.4)         | 0.000093                 | (0.0000314, 0.0002304) |
| Jawa Barat | Tuberculosis                                  | 70  | 20,527.4      | (16,457.9, 24,666.3) | 0.073494                 | (0.0589237, 0.0883122) | 14,700.9      | (12,077.5, 18,097.6) | 0.045556                 | (0.0374265, 0.0560819) |
| Jawa Barat | Other communicable diseases                   | 70  | 3,671.7       | (2,745.2, 4,776.8)   | 0.013146                 | (0.0098286, 0.0171023) | 3,543.4       | (2,719.3, 4,662.9)   | 0.010981                 | (0.0084268, 0.0144498) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 70  | 1,200.1       | (783.6, 1,779.4)     | 0.004297                 | (0.0028056, 0.0063709) | 364.1         | (217.8, 566.0)       | 0.001128                 | (0.0006751, 0.0017539) |
| Jawa Barat | Breast cancer                                 | 70  | 60.1          | (19.6, 143.9)        | 0.000215                 | (0.0000702, 0.0005153) | 1,023.7       | (702.7, 1,426.4)     | 0.003172                 | (0.0021776, 0.0044201) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|            |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Barat | Cervical cancer                               | 70  |                               |                                 | 1,048.2 (686.7, 1,518.3)      | 0.003248 (0.0021281, 0.0047049) |
| Jawa Barat | Other malignant neoplasms                     | 70  | 4,484.9 (3,443.1, 5,757.9)    | 0.016057 (0.0123272, 0.0206148) | 2,989.9 (2,305.0, 3,807.3)    | 0.009265 (0.0071430, 0.0117981) |
| Jawa Barat | Cerebrovascular disease                       | 70  | 39,603.8 (31,731.3, 47,745.2) | 0.141793 (0.1136066, 0.1709410) | 42,305.1 (35,653.1, 51,490.2) | 0.131097 (0.1104837, 0.1595606) |
| Jawa Barat | Ischemic heart disease                        | 70  | 36,789.9 (29,397.2, 44,026.6) | 0.131718 (0.1052501, 0.1576274) | 30,735.0 (25,438.6, 37,311.0) | 0.095243 (0.0788306, 0.1156215) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 70  | 11,895.9 (9,236.6, 14,839.8)  | 0.042591 (0.0330697, 0.0531304) | 11,631.7 (9,548.8, 14,510.1)  | 0.036045 (0.0295905, 0.0449648) |
| Jawa Barat | Diabetes mellitus                             | 70  | 7,962.8 (6,255.6, 9,874.4)    | 0.028509 (0.0223968, 0.0353532) | 11,683.7 (9,511.5, 14,476.5)  | 0.036206 (0.0294749, 0.0448605) |
| Jawa Barat | Chronic kidney disease                        | 70  | 3,790.9 (2,886.3, 4,939.9)    | 0.013573 (0.0103339, 0.0176861) | 3,333.1 (2,611.0, 4,293.8)    | 0.010329 (0.0080911, 0.0133057) |
| Jawa Barat | Cirrhosis                                     | 70  | 5,022.5 (3,884.7, 6,326.7)    | 0.017982 (0.0139083, 0.0226512) | 3,267.4 (2,553.9, 4,112.9)    | 0.010125 (0.0079143, 0.0127452) |
| Jawa Barat | Chronic respiratory diseases                  | 70  | 20,100.8 (16,035.0, 24,414.4) | 0.071966 (0.0574099, 0.0874104) | 10,925.3 (8,856.7, 13,489.7)  | 0.033856 (0.0274457, 0.0418025) |
| Jawa Barat | Other non-communicable diseases               | 70  | 14,144.8 (11,258.5, 17,283.2) | 0.050642 (0.0403085, 0.0618787) | 13,656.7 (11,212.7, 16,682.9) | 0.042320 (0.0347466, 0.0516980) |
| Jawa Barat | Drowning                                      | 70  | 147.8 (72.6, 271.7)           | 0.000529 (0.0002598, 0.0009726) | 100.0 (52.7, 176.2)           | 0.000310 (0.0001632, 0.0005460) |
| Jawa Barat | Falls                                         | 70  | 1,230.4 (852.2, 1,695.3)      | 0.004405 (0.0030511, 0.0060697) | 867.4 (612.7, 1,190.1)        | 0.002688 (0.0018986, 0.0036879) |
| Jawa Barat | Interpersonal violence                        | 70  | 31.5 (12.4, 63.8)             | 0.000113 (0.0000445, 0.0002285) | 16.4 (6.6, 35.8)              | 0.000051 (0.0000204, 0.0001111) |
| Jawa Barat | Self-harm                                     | 70  | 180.7 (102.0, 293.1)          | 0.000647 (0.0003651, 0.0010493) | 70.1 (38.8, 120.9)            | 0.000217 (0.0001203, 0.0003746) |
| Jawa Barat | Transport injuries                            | 70  | 1,677.9 (1,188.5, 2,280.4)    | 0.006007 (0.0042550, 0.0081646) | 696.9 (493.4, 960.0)          | 0.002160 (0.0015291, 0.0029750) |
| Jawa Barat | Other unintentional injuries                  | 70  | 603.4 (396.0, 856.8)          | 0.002160 (0.0014179, 0.0030676) | 256.8 (165.8, 374.0)          | 0.000796 (0.0005137, 0.0011589) |
| Jawa Barat | Diarrheal diseases                            | 75  | 4,146.0 (3,241.2, 5,144.1)    | 0.028634 (0.0223851, 0.0355277) | 5,981.8 (4,764.2, 7,557.0)    | 0.032101 (0.0255666, 0.0405534) |
| Jawa Barat | HIV/AIDS                                      | 75  | 24.1 (9.4, 53.1)              | 0.000166 (0.0000651, 0.0003665) | 27.5 (12.0, 58.4)             | 0.000148 (0.0000645, 0.0003134) |
| Jawa Barat | Lower respiratory infections                  | 75  | 2,035.4 (1,527.2, 2,660.6)    | 0.014057 (0.0105474, 0.0183756) | 2,823.9 (2,162.0, 3,662.1)    | 0.015154 (0.0116023, 0.0196522) |
| Jawa Barat | Malaria                                       | 75  | 32.8 (11.2, 77.7)             | 0.000226 (0.0000770, 0.0005366) | 21.1 (6.7, 51.9)              | 0.000113 (0.0000359, 0.0002785) |
| Jawa Barat | Tuberculosis                                  | 75  | 10,062.4 (8,060.4, 12,229.5)  | 0.069496 (0.0556689, 0.0844631) | 8,812.6 (7,230.7, 10,992.1)   | 0.047292 (0.0388024, 0.0589877) |
| Jawa Barat | Other communicable diseases                   | 75  | 1,981.0 (1,462.8, 2,640.0)    | 0.013682 (0.0101031, 0.0182334) | 2,267.1 (1,684.2, 3,083.9)    | 0.012166 (0.0090381, 0.0165494) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 75  | 502.5 (322.7, 764.0)          | 0.003471 (0.0022285, 0.0052767) | 189.6 (106.8, 297.4)          | 0.001018 (0.0005733, 0.0015958) |
| Jawa Barat | Breast cancer                                 | 75  | 20.8 (6.2, 51.4)              | 0.000143 (0.0000431, 0.0003549) | 458.1 (283.8, 660.7)          | 0.002458 (0.0015231, 0.0035455) |
| Jawa Barat | Cervical cancer                               | 75  |                               |                                 | 434.5 (272.6, 675.0)          | 0.002332 (0.0014630, 0.0036222) |
| Jawa Barat | Other malignant neoplasms                     | 75  | 1,902.9 (1,449.7, 2,497.2)    | 0.013143 (0.0100123, 0.0172472) | 1,740.0 (1,343.8, 2,278.4)    | 0.009337 (0.0072115, 0.0122268) |
| Jawa Barat | Cerebrovascular disease                       | 75  | 21,551.5 (17,499.1, 25,839.8) | 0.148845 (0.1208575, 0.1784627) | 28,726.6 (23,879.9, 35,252.9) | 0.154158 (0.1281484, 0.1891804) |
| Jawa Barat | Ischemic heart disease                        | 75  | 21,484.8 (17,371.3, 25,671.8) | 0.148384 (0.1199746, 0.1773017) | 22,729.6 (18,720.1, 27,855.7) | 0.121975 (0.1004587, 0.1494840) |
| Jawa Barat | Other cardiovascular and circulatory diseases | 75  | 6,703.8 (5,220.1, 8,401.5)    | 0.046300 (0.0360526, 0.0580246) | 8,157.7 (6,613.6, 10,241.6)   | 0.043777 (0.0354912, 0.0549602) |
| Jawa Barat | Diabetes mellitus                             | 75  | 3,658.0 (2,865.2, 4,584.9)    | 0.025264 (0.0197884, 0.0316654) | 6,763.8 (5,437.3, 8,454.8)    | 0.036297 (0.0291787, 0.0453714) |
| Jawa Barat | Chronic kidney disease                        | 75  | 1,863.1 (1,420.8, 2,446.9)    | 0.012868 (0.0098129, 0.0168993) | 2,060.9 (1,584.6, 2,661.4)    | 0.011060 (0.0085036, 0.0142819) |
| Jawa Barat | Cirrhosis                                     | 75  | 2,401.2 (1,852.6, 3,031.5)    | 0.016584 (0.0127946, 0.0209370) | 1,938.8 (1,527.4, 2,475.6)    | 0.010404 (0.0081966, 0.0132849) |
| Jawa Barat | Chronic respiratory diseases                  | 75  | 11,100.2 (8,947.4, 13,587.8)  | 0.076664 (0.0617950, 0.0938439) | 7,454.8 (6,057.5, 9,262.7)    | 0.040005 (0.0325065, 0.0497073) |
| Jawa Barat | Other non-communicable diseases               | 75  | 8,869.3 (7,116.0, 10,862.8)   | 0.061256 (0.0491467, 0.0750234) | 10,649.1 (8,677.8, 13,255.5)  | 0.057147 (0.0465682, 0.0711338) |
| Jawa Barat | Drowning                                      | 75  | 111.5 (53.0, 211.8)           | 0.000770 (0.0003663, 0.0014625) | 86.2 (46.2, 156.1)            | 0.000463 (0.0002481, 0.0008375) |
| Jawa Barat | Falls                                         | 75  | 800.7 (562.7, 1,135.2)        | 0.005530 (0.0038862, 0.0078399) | 654.7 (468.8, 905.4)          | 0.003514 (0.0025157, 0.0048585) |
| Jawa Barat | Interpersonal violence                        | 75  | 13.3 (3.9, 34.4)              | 0.000092 (0.0000272, 0.0002377) | 8.2 (2.7, 20.4)               | 0.000044 (0.0000143, 0.0001094) |
| Jawa Barat | Self-harm                                     | 75  | 92.7 (48.8, 160.7)            | 0.000640 (0.0003368, 0.0011100) | 43.0 (21.9, 75.7)             | 0.000231 (0.0001175, 0.0004064) |
| Jawa Barat | Transport injuries                            | 75  | 676.1 (449.1, 978.9)          | 0.004670 (0.0031020, 0.0067608) | 327.7 (217.5, 483.5)          | 0.001759 (0.0011672, 0.0025948) |
| Jawa Barat | Other unintentional injuries                  | 75  | 313.9 (203.2, 461.2)          | 0.002168 (0.0014036, 0.0031855) | 157.4 (98.9, 238.0)           | 0.000844 (0.0005307, 0.0012771) |
| Jawa Barat | Diarrheal diseases                            | 80  | 9,769.0 (8,273.2, 11,320.9)   | 0.083698 (0.0708825, 0.0969944) | 15,058.1 (12,675.0, 17,773.3) | 0.094167 (0.0792641, 0.1111473) |
| Jawa Barat | HIV/AIDS                                      | 80  | 35.1 (11.0, 88.5)             | 0.000301 (0.0000940, 0.0007584) | 46.2 (15.4, 111.0)            | 0.000289 (0.0000966, 0.0006941) |
| Jawa Barat | Lower respiratory infections                  | 80  | 3,511.7 (2,719.4, 4,378.1)    | 0.030088 (0.0232994, 0.0375101) | 5,387.8 (4,318.2, 6,679.2)    | 0.033693 (0.0270041, 0.0417692) |
| Jawa Barat | Malaria                                       | 80  | 46.5 (14.8, 111.4)            | 0.000399 (0.0001265, 0.0009548) | 35.5 (10.4, 84.0)             | 0.000222 (0.0000650, 0.0005250) |
| Jawa Barat | Tuberculosis                                  | 80  | 12,668.3 (10,909.4, 14,711.3) | 0.108538 (0.0934686, 0.1260423) | 13,773.7 (11,745.6, 16,210.9) | 0.086135 (0.0734525, 0.1013762) |
| Jawa Barat | Other communicable diseases                   | 80  | 3,236.4 (2,526.6, 4,060.2)    | 0.027728 (0.0216469, 0.0347866) | 3,862.7 (3,051.0, 4,857.6)    | 0.024156 (0.0190798, 0.0303777) |
| Jawa Barat | Tracheal, bronchus, and lung cancer           | 80  | 499.1 (295.4, 789.3)          | 0.004276 (0.0025308, 0.0067628) | 246.4 (130.7, 427.1)          | 0.001541 (0.0008173, 0.0026709) |
| Jawa Barat | Breast cancer                                 | 80  | 17.2 (4.5, 45.8)              | 0.000148 (0.0000384, 0.0003922) | 456.5 (260.6, 734.3)          | 0.002855 (0.0016297, 0.0045918) |
| Jawa Barat | Cervical cancer                               | 80  |                               |                                 | 376.9 (192.4, 640.5)          | 0.002357 (0.0012033, 0.0040056) |
| Jawa Barat | Other malignant neoplasms                     | 80  | 1,892.6 (1,439.3, 2,445.6)    | 0.016216 (0.0123318, 0.0209534) | 2,102.7 (1,628.8, 2,673.6)    | 0.013149 (0.0101860, 0.0167194) |
| Jawa Barat | Cerebrovascular disease                       | 80  | 28,299.2 (24,503.7, 32,048.1) | 0.242460 (0.2099414, 0.2745795) | 44,904.0 (39,755.0, 51,725.9) | 0.280811 (0.2486115, 0.3234732) |
| Jawa Barat | Ischemic heart disease                        | 80  | 25,494.2 (22,102.9, 29,064.9) | 0.218427 (0.1893715, 0.2490202) | 34,750.6 (30,321.2, 39,910.2) | 0.217316 (0.1896165, 0.2495820) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                        |                          |                         | Females       |                        |                          |                         |
|-------------|----------------------------------------------------------|-----|---------------|------------------------|--------------------------|-------------------------|---------------|------------------------|--------------------------|-------------------------|
|             |                                                          |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                         |
| Jawa Barat  | Other cardiovascular and circulatory diseases            | 80  | 8,025.3       | (6,460.4, 9,817.7)     | 0.068759                 | (0.0553513, 0.0841158)  | 11,672.7      | (9,664.2, 14,178.7)    | 0.072996                 | (0.0604363, 0.0886679)  |
| Jawa Barat  | Diabetes mellitus                                        | 80  | 3,668.5       | (3,011.9, 4,377.8)     | 0.031430                 | (0.0258048, 0.0375077)  | 8,422.4       | (7,066.0, 10,103.3)    | 0.052671                 | (0.0441879, 0.0631823)  |
| Jawa Barat  | Chronic kidney disease                                   | 80  | 1,897.7       | (1,502.1, 2,394.2)     | 0.016259                 | (0.0128699, 0.0205131)  | 2,653.3       | (2,052.9, 3,320.8)     | 0.016593                 | (0.0128381, 0.0207668)  |
| Jawa Barat  | Cirrhosis                                                | 80  | 2,662.3       | (2,134.7, 3,311.3)     | 0.022810                 | (0.0182896, 0.0283703)  | 2,516.9       | (2,015.3, 3,132.2)     | 0.015740                 | (0.0126028, 0.0195877)  |
| Jawa Barat  | Chronic respiratory diseases                             | 80  | 14,343.7      | (12,164.2, 16,529.1)   | 0.122893                 | (0.1042197, 0.1416171)  | 11,296.0      | (9,470.2, 13,437.0)    | 0.070641                 | (0.0592229, 0.0840296)  |
| Jawa Barat  | Other non-communicable diseases                          | 80  | 12,694.9      | (10,820.1, 14,799.2)   | 0.108767                 | (0.0927036, 0.1267954)  | 18,168.4      | (15,764.7, 21,399.6)   | 0.113618                 | (0.0985860, 0.1338243)  |
| Jawa Barat  | Drowning                                                 | 80  | 152.7         | (66.9, 287.9)          | 0.001308                 | (0.0005732, 0.0024669)  | 116.8         | (53.2, 217.9)          | 0.000730                 | (0.0003327, 0.0013627)  |
| Jawa Barat  | Falls                                                    | 80  | 1,386.9       | (1,013.1, 1,844.1)     | 0.011882                 | (0.0086800, 0.0157997)  | 1,182.8       | (886.5, 1,537.6)       | 0.007397                 | (0.0055438, 0.0096158)  |
| Jawa Barat  | Interpersonal violence                                   | 80  | 11.8          | (2.2, 32.2)            | 0.000101                 | (0.0000191, 0.0002760)  | 9.0           | (1.9, 26.0)            | 0.000057                 | (0.0000121, 0.0001625)  |
| Jawa Barat  | Self-harm                                                | 80  | 97.3          | (46.2, 184.1)          | 0.000834                 | (0.0003956, 0.0015771)  | 57.6          | (26.4, 108.4)          | 0.000360                 | (0.0001651, 0.0006778)  |
| Jawa Barat  | Transport injuries                                       | 80  | 739.9         | (476.6, 1,064.9)       | 0.006340                 | (0.0040838, 0.0091238)  | 392.0         | (248.3, 573.5)         | 0.002451                 | (0.0015531, 0.0035863)  |
| Jawa Barat  | Other unintentional injuries                             | 80  | 360.9         | (210.8, 545.2)         | 0.003092                 | (0.0018060, 0.0046711)  | 207.4         | (121.7, 333.6)         | 0.001297                 | (0.0007611, 0.0020863)  |
| Jawa Barat  | Diarrheal diseases                                       | All | 97,555.4      | (80,204.0, 118,818.6)  | 0.004171                 | (0.0034295, 0.0050806)  | 98,002.8      | (81,354.4, 118,626.4)  | 0.004348                 | (0.0036095, 0.0052632)  |
| Jawa Barat  | HIV/AIDS                                                 | All | 17,795.8      | (11,709.9, 26,426.3)   | 0.000761                 | (0.0005007, 0.0011300)  | 9,171.8       | (5,799.8, 14,153.0)    | 0.000407                 | (0.0002573, 0.0006279)  |
| Jawa Barat  | Lower respiratory infections                             | All | 143,825.4     | (104,345.7, 190,321.4) | 0.006150                 | (0.0044618, 0.0081380)  | 97,666.2      | (71,993.0, 128,648.9)  | 0.004333                 | (0.0031942, 0.0057079)  |
| Jawa Barat  | Malaria                                                  | All | 1,707.9       | (631.4, 3,960.8)       | 0.000073                 | (0.0000270, 0.0001694)  | 867.9         | (312.5, 2,073.2)       | 0.000039                 | (0.0000139, 0.0000920)  |
| Jawa Barat  | Tuberculosis                                             | All | 389,650.8     | (322,017.4, 462,573.5) | 0.016661                 | (0.0137693, 0.0197794)  | 203,327.3     | (169,393.8, 244,955.7) | 0.009021                 | (0.0075156, 0.0108681)  |
| Jawa Barat  | Maternal disorders                                       | All |               |                        |                          |                         | 34,695.0      | (25,979.9, 44,621.2)   | 0.001539                 | (0.0011527, 0.0019797)  |
| Jawa Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 133,846.4     | (68,629.4, 212,530.1)  | 0.005723                 | (0.0029346, 0.0090877)  | 95,161.4      | (48,659.0, 156,662.6)  | 0.004222                 | (0.0021589, 0.0069508)  |
| Jawa Barat  | Preterm birth complications                              | All | 112,796.3     | (57,498.9, 178,395.0)  | 0.004823                 | (0.0024586, 0.0076281)  | 104,404.8     | (55,435.1, 173,102.7)  | 0.004632                 | (0.0024595, 0.0076802)  |
| Jawa Barat  | Other neonatal disorders                                 | All | 31,941.4      | (14,305.5, 59,025.1)   | 0.001366                 | (0.0006117, 0.0025239)  | 21,141.5      | (9,246.2, 40,306.9)    | 0.000938                 | (0.0004102, 0.0017883)  |
| Jawa Barat  | Other communicable diseases                              | All | 260,238.4     | (215,538.9, 318,353.3) | 0.011128                 | (0.0092163, 0.0136126)  | 161,648.3     | (131,741.0, 199,140.2) | 0.007172                 | (0.0058450, 0.0088354)  |
| Jawa Barat  | Tracheal, bronchus, and lung cancer                      | All | 21,580.3      | (15,501.3, 28,795.1)   | 0.000923                 | (0.0006628, 0.0012313)  | 6,739.2       | (4,447.6, 9,776.2)     | 0.000299                 | (0.0001973, 0.0004337)  |
| Jawa Barat  | Breast cancer                                            | All | 1,443.0       | (765.2, 2,532.0)       | 0.000062                 | (0.0000327, 0.0001083)  | 47,175.2      | (36,103.3, 60,248.8)   | 0.002093                 | (0.0016018, 0.0026731)  |
| Jawa Barat  | Cervical cancer                                          | All |               |                        |                          |                         | 33,257.0      | (23,557.8, 44,394.1)   | 0.001476                 | (0.0010452, 0.0019697)  |
| Jawa Barat  | Other malignant neoplasms                                | All | 138,588.8     | (115,899.1, 165,917.9) | 0.005926                 | (0.0049558, 0.0070946)  | 85,241.4      | (69,478.7, 103,562.1)  | 0.003782                 | (0.0030826, 0.0045948)  |
| Jawa Barat  | Cerebrovascular disease                                  | All | 394,464.5     | (326,122.2, 470,504.7) | 0.016867                 | (0.0139448, 0.0201185)  | 358,054.7     | (298,401.1, 435,954.8) | 0.015886                 | (0.0132394, 0.0193423)  |
| Jawa Barat  | Ischemic heart disease                                   | All | 501,349.5     | (413,997.9, 594,397.2) | 0.021437                 | (0.0177023, 0.0254161)  | 321,696.8     | (265,766.0, 387,995.0) | 0.014273                 | (0.0117914, 0.0172144)  |
| Jawa Barat  | Other cardiovascular and circulatory diseases            | All | 117,096.1     | (94,195.1, 141,098.0)  | 0.005007                 | (0.0040277, 0.0060333)  | 107,085.0     | (88,079.9, 131,373.8)  | 0.004751                 | (0.0039079, 0.0058288)  |
| Jawa Barat  | Diabetes mellitus                                        | All | 132,569.0     | (106,434.2, 161,970.7) | 0.005669                 | (0.0045511, 0.0069258)  | 158,448.0     | (129,383.2, 193,195.3) | 0.007030                 | (0.0057404, 0.0085716)  |
| Jawa Barat  | Chronic kidney disease                                   | All | 81,343.0      | (65,858.0, 100,657.2)  | 0.003478                 | (0.0028160, 0.0043040)  | 62,014.0      | (49,581.2, 77,565.9)   | 0.002751                 | (0.0021998, 0.0034414)  |
| Jawa Barat  | Cirrhosis                                                | All | 144,919.0     | (118,688.6, 176,070.1) | 0.006197                 | (0.0050751, 0.0075287)  | 66,454.6      | (54,372.9, 80,896.0)   | 0.002948                 | (0.0024124, 0.0035892)  |
| Jawa Barat  | Chronic respiratory diseases                             | All | 162,891.8     | (135,437.8, 195,531.2) | 0.006965                 | (0.0057912, 0.0083608)  | 82,942.8      | (68,424.9, 101,180.9)  | 0.003680                 | (0.0030359, 0.0044892)  |
| Jawa Barat  | Other non-communicable diseases                          | All | 310,419.8     | (257,367.5, 367,035.6) | 0.013273                 | (0.0110049, 0.0156942)  | 267,379.3     | (222,112.4, 321,963.5) | 0.011863                 | (0.0098546, 0.0142848)  |
| Jawa Barat  | Drowning                                                 | All | 50,502.6      | (36,746.4, 65,552.4)   | 0.002160                 | (0.0015713, 0.0028030)  | 15,282.6      | (10,514.4, 20,649.7)   | 0.000678                 | (0.0004665, 0.0009162)  |
| Jawa Barat  | Falls                                                    | All | 37,275.8      | (28,582.5, 47,606.8)   | 0.001594                 | (0.0012222, 0.0020356)  | 16,068.9      | (12,043.3, 20,749.6)   | 0.000713                 | (0.0005343, 0.0009206)  |
| Jawa Barat  | Interpersonal violence                                   | All | 5,777.4       | (3,407.3, 9,337.0)     | 0.000247                 | (0.0001457, 0.0003992)  | 3,108.1       | (1,807.1, 5,139.3)     | 0.000138                 | (0.0000802, 0.0002280)  |
| Jawa Barat  | Self-harm                                                | All | 12,463.3      | (8,442.2, 17,475.4)    | 0.000533                 | (0.0003610, 0.0007472)  | 5,499.6       | (3,536.1, 8,036.7)     | 0.000244                 | (0.0001569, 0.0003566)  |
| Jawa Barat  | Transport injuries                                       | All | 240,327.3     | (199,174.1, 282,863.5) | 0.010276                 | (0.0085166, 0.0120951)  | 70,534.7      | (57,532.2, 84,226.2)   | 0.003130                 | (0.0025526, 0.0037369)  |
| Jawa Barat  | Other unintentional injuries                             | All | 51,973.6      | (40,675.0, 65,674.9)   | 0.002222                 | (0.0017392, 0.0028082)  | 17,317.5      | (12,867.3, 22,700.6)   | 0.000768                 | (0.0005709, 0.0010072)  |
| Jawa Tengah | Diarrheal diseases                                       | NN  | 9,437.3       | (4,136.6, 16,785.4)    | 0.379099                 | (0.1661694, 0.6742769)  | 7,365.0       | (3,334.0, 13,856.4)    | 0.312755                 | (0.1415773, 0.5884147)  |
| Jawa Tengah | Lower respiratory infections                             | NN  | 63,071.4      | (31,023.8, 102,273.7)  | 2.533601                 | (1.2462370, 4.1083698)  | 35,627.1      | (18,217.6, 60,171.1)   | 1.512913                 | (0.7736144, 2.5551791)  |
| Jawa Tengah | Malaria                                                  | NN  | 24.0          | (3.7, 81.8)            | 0.000964                 | (0.0001486, 0.0032867)  | 12.9          | (2.0, 44.4)            | 0.000549                 | (0.0000839, 0.0018855)  |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 174,840.8     | (88,355.7, 276,197.6)  | 7.023413                 | (3.5492771, 11.0949497) | 110,591.3     | (56,162.9, 187,077.2)  | 4.696285                 | (2.3849721, 7.9442749)  |
| Jawa Tengah | Preterm birth complications                              | NN  | 170,917.2     | (85,244.7, 272,845.5)  | 6.865798                 | (3.4243081, 10.9602900) | 142,517.7     | (74,833.4, 235,673.2)  | 6.052047                 | (3.1778181, 10.0079203) |
| Jawa Tengah | Other neonatal disorders                                 | NN  | 37,168.3      | (14,640.0, 72,371.0)   | 1.493061                 | (0.5880917, 2.9071679)  | 21,897.3      | (8,970.8, 45,040.4)    | 0.929875                 | (0.3809467, 1.9126520)  |
| Jawa Tengah | Other communicable diseases                              | NN  | 8,475.8       | (3,777.6, 15,460.6)    | 0.340476                 | (0.1517490, 0.6210570)  | 4,691.8       | (2,022.0, 9,296.3)     | 0.199238                 | (0.0858628, 0.3947712)  |
| Jawa Tengah | Other malignant neoplasms                                | NN  | 6,203.9       | (2,424.7, 11,989.2)    | 0.249214                 | (0.0974004, 0.4816097)  | 4,552.8       | (1,915.4, 9,013.0)     | 0.193337                 | (0.0813399, 0.3827397)  |
| Jawa Tengah | Cerebrovascular disease                                  | NN  | 1,617.7       | (414.2, 3,993.8)       | 0.064983                 | (0.0166368, 0.1604307)  | 1,565.8       | (410.2, 3,984.0)       | 0.066491                 | (0.0174177, 0.1691799)  |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | NN  | 1,400.9       | (317.3, 3,475.0)       | 0.056274                 | (0.0127441, 0.1395908)  | 1,329.7       | (321.1, 3,403.1)       | 0.056465                 | (0.0136351, 0.1445114)  |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                       |                          |                        | Females       |                       |                          |                        |
|-------------|----------------------------------------------------------|-----|---------------|-----------------------|--------------------------|------------------------|---------------|-----------------------|--------------------------|------------------------|
|             |                                                          |     | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Diabetes mellitus                                        | NN  | 286.4         | (1.5, 2,335.1)        | 0.011504                 | (0.0000622, 0.0938006) | 315.3         | (1.6, 2,550.4)        | 0.013388                 | (0.0000681, 0.1083024) |
| Jawa Tengah | Other non-communicable diseases                          | NN  | 94,214.3      | (48,898.9, 146,813.3) | 3.784618                 | (1.9642870, 5.8975391) | 79,613.0      | (42,342.2, 127,421.8) | 3.380783                 | (1.7980700, 5.4109969) |
| Jawa Tengah | Drowning                                                 | NN  | 5,016.3       | (1,846.7, 9,741.6)    | 0.201507                 | (0.0741819, 0.3913215) | 1,295.8       | (440.5, 2,925.2)      | 0.055029                 | (0.0187069, 0.1242185) |
| Jawa Tengah | Falls                                                    | NN  | 2,842.4       | (1,032.8, 5,737.0)    | 0.114179                 | (0.0414890, 0.2304575) | 998.0         | (357.9, 2,171.0)      | 0.042380                 | (0.0151991, 0.0921905) |
| Jawa Tengah | Interpersonal violence                                   | NN  | 665.7         | (211.8, 1,632.9)      | 0.026743                 | (0.0085091, 0.0655961) | 375.4         | (100.3, 942.3)        | 0.015942                 | (0.0042575, 0.0400141) |
| Jawa Tengah | Transport injuries                                       | NN  | 3,736.1       | (1,447.0, 7,356.0)    | 0.150081                 | (0.0581253, 0.2954926) | 945.1         | (352.0, 2,027.7)      | 0.040135                 | (0.0149497, 0.0861074) |
| Jawa Tengah | Other unintentional injuries                             | NN  | 8,320.3       | (3,518.5, 15,449.4)   | 0.334227                 | (0.1413388, 0.6206076) | 2,716.4       | (1,178.9, 5,143.6)    | 0.115352                 | (0.0500628, 0.2184262) |
| Jawa Tengah | Diarrheal diseases                                       | PNN | 2,490.1       | (1,277.4, 4,012.6)    | 0.008014                 | (0.0041113, 0.0129141) | 2,731.3       | (1,362.2, 4,562.9)    | 0.009293                 | (0.0046345, 0.0155243) |
| Jawa Tengah | HIV/AIDS                                                 | PNN | 135.2         | (51.6, 292.9)         | 0.000435                 | (0.0001661, 0.0009427) | 103.6         | (36.7, 227.7)         | 0.000353                 | (0.0001248, 0.0007746) |
| Jawa Tengah | Lower respiratory infections                             | PNN | 1,234.6       | (602.7, 2,039.9)      | 0.003973                 | (0.0019399, 0.0065651) | 949.3         | (477.4, 1,603.0)      | 0.003230                 | (0.0016243, 0.0054539) |
| Jawa Tengah | Malaria                                                  | PNN | 6.2           | (1.0, 18.8)           | 0.000020                 | (0.0000034, 0.0000605) | 4.7           | (0.8, 15.1)           | 0.000016                 | (0.0000028, 0.0000512) |
| Jawa Tengah | Tuberculosis                                             | PNN | 251.6         | (119.8, 436.0)        | 0.000810                 | (0.0003857, 0.0014031) | 197.3         | (86.5, 357.7)         | 0.000671                 | (0.0002945, 0.0012171) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 114.9         | (37.5, 285.2)         | 0.000370                 | (0.0001206, 0.0009180) | 94.4          | (27.2, 232.1)         | 0.000321                 | (0.0000927, 0.0007896) |
| Jawa Tengah | Preterm birth complications                              | PNN | 301.8         | (115.8, 637.8)        | 0.000971                 | (0.0003728, 0.0020528) | 371.0         | (143.1, 756.1)        | 0.001262                 | (0.0004868, 0.0025725) |
| Jawa Tengah | Other neonatal disorders                                 | PNN | 84.6          | (23.4, 202.9)         | 0.000272                 | (0.0000754, 0.0006531) | 67.6          | (19.8, 178.4)         | 0.000230                 | (0.0000673, 0.0006069) |
| Jawa Tengah | Other communicable diseases                              | PNN | 2,483.5       | (1,271.9, 4,067.8)    | 0.007993                 | (0.0040934, 0.0130919) | 1,933.3       | (950.6, 3,250.2)      | 0.006577                 | (0.0032342, 0.0110581) |
| Jawa Tengah | Other malignant neoplasms                                | PNN | 89.0          | (37.0, 164.0)         | 0.000287                 | (0.0001190, 0.0005277) | 86.6          | (38.2, 164.4)         | 0.000295                 | (0.0001301, 0.0005593) |
| Jawa Tengah | Cerebrovascular disease                                  | PNN | 23.4          | (6.5, 58.0)           | 0.000075                 | (0.0000209, 0.0001866) | 29.8          | (8.4, 73.5)           | 0.000101                 | (0.0000286, 0.0002499) |
| Jawa Tengah | Ischemic heart disease                                   | PNN | 10.1          | (0.7, 48.9)           | 0.000032                 | (0.0000023, 0.0001574) | 12.5          | (0.9, 59.6)           | 0.000042                 | (0.0000031, 0.0002026) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | PNN | 20.0          | (5.5, 50.1)           | 0.000065                 | (0.0000176, 0.0001613) | 25.1          | (6.5, 62.1)           | 0.000086                 | (0.0000222, 0.0002113) |
| Jawa Tengah | Diabetes mellitus                                        | PNN | 4.2           | (0.0, 34.8)           | 0.000014                 | (0.0000001, 0.0001119) | 5.8           | (0.0, 47.1)           | 0.000020                 | (0.0000001, 0.0001601) |
| Jawa Tengah | Chronic kidney disease                                   | PNN | 115.5         | (46.0, 221.7)         | 0.000372                 | (0.0001480, 0.0007134) | 108.0         | (40.8, 224.4)         | 0.000367                 | (0.0001389, 0.0007633) |
| Jawa Tengah | Other non-communicable diseases                          | PNN | 1,349.0       | (677.1, 2,184.0)      | 0.004342                 | (0.0021792, 0.0070289) | 1,505.5       | (771.1, 2,457.2)      | 0.005122                 | (0.0026235, 0.0083599) |
| Jawa Tengah | Drowning                                                 | PNN | 89.6          | (36.8, 164.5)         | 0.000288                 | (0.0001184, 0.0005293) | 30.4          | (12.2, 64.0)          | 0.000104                 | (0.0000414, 0.0002178) |
| Jawa Tengah | Falls                                                    | PNN | 49.1          | (20.0, 97.0)          | 0.000158                 | (0.0000643, 0.0003121) | 22.6          | (7.9, 47.4)           | 0.000077                 | (0.0000270, 0.0001612) |
| Jawa Tengah | Interpersonal violence                                   | PNN | 11.3          | (3.6, 26.7)           | 0.000036                 | (0.0000115, 0.0000858) | 8.3           | (2.4, 19.0)           | 0.000028                 | (0.0000082, 0.0000646) |
| Jawa Tengah | Transport injuries                                       | PNN | 66.2          | (28.1, 125.5)         | 0.000213                 | (0.0000905, 0.0004039) | 22.0          | (9.0, 42.8)           | 0.000075                 | (0.0000305, 0.0001456) |
| Jawa Tengah | Other unintentional injuries                             | PNN | 140.8         | (64.2, 250.5)         | 0.000453                 | (0.0002066, 0.0008062) | 60.3          | (25.5, 112.6)         | 0.000205                 | (0.0000867, 0.0003831) |
| Jawa Tengah | Diarrheal diseases                                       | 1   | 25,924.0      | (10,287.3, 52,573.2)  | 0.021350                 | (0.0084722, 0.0432972) | 27,370.7      | (11,919.1, 52,034.2)  | 0.023472                 | (0.0102212, 0.0446219) |
| Jawa Tengah | HIV/AIDS                                                 | 1   | 3,161.2       | (1,054.8, 7,213.1)    | 0.002603                 | (0.0008687, 0.0059404) | 2,372.9       | (822.7, 5,499.5)      | 0.002035                 | (0.0007055, 0.0047161) |
| Jawa Tengah | Lower respiratory infections                             | 1   | 28,407.7      | (11,276.4, 55,958.1)  | 0.023395                 | (0.0092868, 0.0460848) | 21,447.8      | (9,617.2, 40,829.6)   | 0.018393                 | (0.0082472, 0.0350134) |
| Jawa Tengah | Malaria                                                  | 1   | 52.1          | (8.1, 177.6)          | 0.000043                 | (0.0000067, 0.0001463) | 38.7          | (6.7, 126.0)          | 0.000033                 | (0.0000057, 0.0001080) |
| Jawa Tengah | Tuberculosis                                             | 1   | 6,282.9       | (2,368.7, 12,828.3)   | 0.005174                 | (0.0019507, 0.0105649) | 4,836.7       | (1,965.6, 9,327.8)    | 0.004148                 | (0.0016856, 0.0079991) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 1,380.6       | (333.1, 3,677.2)      | 0.001137                 | (0.0002743, 0.0030284) | 1,032.5       | (267.3, 2,830.6)      | 0.000885                 | (0.0002292, 0.0024274) |
| Jawa Tengah | Preterm birth complications                              | 1   | 700.0         | (118.8, 2,304.5)      | 0.000577                 | (0.0000979, 0.0018979) | 790.4         | (141.2, 2,572.7)      | 0.000678                 | (0.0001211, 0.0022062) |
| Jawa Tengah | Other neonatal disorders                                 | 1   | 155.5         | (1.3, 1,139.8)        | 0.000128                 | (0.0000011, 0.0009387) | 110.0         | (1.0, 765.9)          | 0.000094                 | (0.0000008, 0.0006568) |
| Jawa Tengah | Other communicable diseases                              | 1   | 55,576.8      | (22,826.3, 106,278.9) | 0.045771                 | (0.0187988, 0.0875271) | 42,702.2      | (19,278.9, 83,434.0)  | 0.036619                 | (0.0165326, 0.0715487) |
| Jawa Tengah | Other malignant neoplasms                                | 1   | 1,465.1       | (513.9, 3,160.6)      | 0.001207                 | (0.0004232, 0.0026030) | 1,457.8       | (553.9, 3,038.6)      | 0.001250                 | (0.0004750, 0.0026058) |
| Jawa Tengah | Cerebrovascular disease                                  | 1   | 418.9         | (101.4, 1,105.7)      | 0.000345                 | (0.0000835, 0.0009106) | 549.1         | (128.6, 1,432.0)      | 0.000471                 | (0.0001103, 0.0012280) |
| Jawa Tengah | Ischemic heart disease                                   | 1   | 180.2         | (11.3, 839.2)         | 0.000148                 | (0.0000093, 0.0006911) | 228.7         | (15.3, 1,043.4)       | 0.000196                 | (0.0000131, 0.0008948) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 1   | 338.6         | (73.7, 880.5)         | 0.000279                 | (0.0000607, 0.0007251) | 431.1         | (100.6, 1,128.9)      | 0.000370                 | (0.0000863, 0.0009681) |
| Jawa Tengah | Diabetes mellitus                                        | 1   | 71.9          | (0.3, 536.8)          | 0.000059                 | (0.0000003, 0.0004421) | 101.2         | (0.5, 701.1)          | 0.000087                 | (0.0000004, 0.0006012) |
| Jawa Tengah | Chronic kidney disease                                   | 1   | 1,829.3       | (648.4, 4,287.1)      | 0.001507                 | (0.0005340, 0.0035307) | 1,737.9       | (650.0, 3,833.1)      | 0.001490                 | (0.0005574, 0.0032871) |
| Jawa Tengah | Cirrhosis                                                | 1   | 2,109.3       | (598.8, 4,841.5)      | 0.001737                 | (0.0004932, 0.0039873) | 1,239.1       | (391.8, 2,932.4)      | 0.001063                 | (0.0003360, 0.0025147) |
| Jawa Tengah | Chronic respiratory diseases                             | 1   | 3,659.3       | (1,218.2, 8,498.2)    | 0.003014                 | (0.0010033, 0.0069988) | 1,563.8       | (494.6, 3,709.8)      | 0.001341                 | (0.0004241, 0.0031813) |
| Jawa Tengah | Other non-communicable diseases                          | 1   | 22,133.7      | (9,257.1, 44,884.2)   | 0.018229                 | (0.0076238, 0.0369649) | 25,199.7      | (11,713.3, 46,569.4)  | 0.021610                 | (0.0100447, 0.0399356) |
| Jawa Tengah | Drowning                                                 | 1   | 6,088.5       | (2,242.6, 12,957.5)   | 0.005014                 | (0.0018469, 0.0106712) | 2,049.6       | (806.2, 4,341.8)      | 0.001758                 | (0.0006913, 0.0037233) |
| Jawa Tengah | Falls                                                    | 1   | 2,311.3       | (796.3, 5,033.2)      | 0.001904                 | (0.0006558, 0.0041451) | 1,041.7       | (377.9, 2,268.4)      | 0.000893                 | (0.0003241, 0.0019453) |
| Jawa Tengah | Interpersonal violence                                   | 1   | 436.9         | (118.9, 1,094.8)      | 0.000360                 | (0.0000979, 0.0009017) | 314.0         | (93.7, 736.3)         | 0.000269                 | (0.0000804, 0.0006314) |
| Jawa Tengah | Transport injuries                                       | 1   | 4,029.8       | (1,456.6, 8,706.6)    | 0.003319                 | (0.0011996, 0.0071704) | 1,319.3       | (474.1, 2,987.9)      | 0.001131                 | (0.0004066, 0.0025622) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Other unintentional injuries                  | 1   | 5,748.7       | (2,093.2, 12,447.7)  | 0.004734                 | (0.0017239, 0.0102514) | 2,422.9       | (977.2, 5,048.5)    | 0.002078                 | (0.0008380, 0.0043293) |
| Jawa Tengah | Diarrheal diseases                            | 5   | 9,140.5       | (6,146.0, 12,815.5)  | 0.005880                 | (0.0039534, 0.0082435) | 7,954.1       | (5,677.9, 10,762.4) | 0.005399                 | (0.0038538, 0.0073049) |
| Jawa Tengah | HIV/AIDS                                      | 5   | 798.4         | (264.7, 1,875.7)     | 0.000514                 | (0.0001703, 0.0012065) | 486.5         | (166.8, 1,098.9)    | 0.000330                 | (0.0001132, 0.0007458) |
| Jawa Tengah | Lower respiratory infections                  | 5   | 6,503.8       | (4,418.6, 9,177.4)   | 0.004184                 | (0.0028422, 0.0059033) | 4,017.8       | (2,756.0, 5,573.9)  | 0.002727                 | (0.0018706, 0.0037833) |
| Jawa Tengah | Malaria                                       | 5   | 18.4          | (3.9, 51.8)          | 0.000012                 | (0.0000025, 0.0000333) | 11.2          | (2.4, 31.8)         | 0.000008                 | (0.0000016, 0.0000216) |
| Jawa Tengah | Tuberculosis                                  | 5   | 2,068.7       | (1,351.5, 3,060.1)   | 0.001331                 | (0.0008694, 0.0019684) | 1,306.4       | (834.1, 1,906.6)    | 0.000887                 | (0.0005662, 0.0012941) |
| Jawa Tengah | Other communicable diseases                   | 5   | 19,382.1      | (14,465.5, 25,871.4) | 0.012468                 | (0.0093049, 0.0166417) | 12,235.5      | (9,288.0, 15,834.8) | 0.008305                 | (0.0063042, 0.0107478) |
| Jawa Tengah | Other malignant neoplasms                     | 5   | 4,504.7       | (2,842.2, 7,049.1)   | 0.002898                 | (0.0018282, 0.0045343) | 3,774.4       | (2,470.5, 5,365.5)  | 0.002562                 | (0.0016769, 0.0036418) |
| Jawa Tengah | Cerebrovascular disease                       | 5   | 870.9         | (422.1, 1,523.7)     | 0.000560                 | (0.0002715, 0.0009801) | 941.9         | (481.2, 1,574.3)    | 0.000639                 | (0.0003266, 0.0010685) |
| Jawa Tengah | Ischemic heart disease                        | 5   | 427.8         | (169.6, 871.9)       | 0.000275                 | (0.0001091, 0.0005608) | 452.3         | (183.8, 840.6)      | 0.000307                 | (0.0001248, 0.0005706) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 5   | 782.5         | (361.1, 1,496.2)     | 0.000503                 | (0.0002323, 0.0009624) | 818.7         | (415.7, 1,509.2)    | 0.000556                 | (0.0002822, 0.0010243) |
| Jawa Tengah | Diabetes mellitus                             | 5   | 423.4         | (168.0, 913.8)       | 0.000272                 | (0.0001081, 0.0005878) | 505.0         | (216.7, 1,062.8)    | 0.000343                 | (0.0001471, 0.0007213) |
| Jawa Tengah | Chronic kidney disease                        | 5   | 1,943.4       | (1,045.7, 3,279.6)   | 0.001250                 | (0.0006726, 0.0021096) | 1,561.8       | (863.1, 2,546.0)    | 0.001060                 | (0.0005858, 0.0017281) |
| Jawa Tengah | Cirrhosis                                     | 5   | 2,869.8       | (1,638.7, 4,629.2)   | 0.001846                 | (0.0010541, 0.0029777) | 1,429.1       | (834.8, 2,336.7)    | 0.000970                 | (0.0005666, 0.0015861) |
| Jawa Tengah | Chronic respiratory diseases                  | 5   | 1,449.4       | (766.8, 2,449.6)     | 0.000932                 | (0.0004933, 0.0015757) | 516.2         | (272.1, 893.3)      | 0.000350                 | (0.0001847, 0.0006063) |
| Jawa Tengah | Other non-communicable diseases               | 5   | 10,060.3      | (7,249.2, 14,016.8)  | 0.006471                 | (0.0046630, 0.0090163) | 9,601.4       | (7,169.5, 12,741.1) | 0.006517                 | (0.0048663, 0.0086480) |
| Jawa Tengah | Drowning                                      | 5   | 12,716.5      | (8,885.4, 17,943.2)  | 0.008180                 | (0.0057155, 0.0115419) | 4,558.2       | (2,985.0, 6,495.6)  | 0.003094                 | (0.0020260, 0.0044088) |
| Jawa Tengah | Falls                                         | 5   | 2,401.4       | (1,412.7, 3,844.0)   | 0.001545                 | (0.0009087, 0.0024726) | 1,082.6       | (625.4, 1,730.2)    | 0.000735                 | (0.0004245, 0.0011744) |
| Jawa Tengah | Interpersonal violence                        | 5   | 203.8         | (83.9, 415.8)        | 0.000131                 | (0.0000539, 0.0002675) | 146.5         | (63.7, 296.1)       | 0.000099                 | (0.0000432, 0.0002010) |
| Jawa Tengah | Transport injuries                            | 5   | 8,153.8       | (5,428.8, 11,800.4)  | 0.005245                 | (0.0034921, 0.0075906) | 2,785.6       | (1,785.9, 4,186.5)  | 0.001891                 | (0.0012122, 0.0028416) |
| Jawa Tengah | Other unintentional injuries                  | 5   | 3,109.5       | (1,912.7, 4,757.5)   | 0.002000                 | (0.0012303, 0.0030602) | 1,316.6       | (800.9, 2,045.7)    | 0.000894                 | (0.0005436, 0.0013885) |
| Jawa Tengah | Diarrheal diseases                            | 10  | 4,498.6       | (3,107.7, 6,142.4)   | 0.002746                 | (0.0018969, 0.0037492) | 4,048.4       | (2,792.2, 5,621.7)  | 0.002589                 | (0.0017856, 0.0035951) |
| Jawa Tengah | HIV/AIDS                                      | 10  | 689.4         | (321.6, 1,269.5)     | 0.000421                 | (0.0001963, 0.0007749) | 443.9         | (199.2, 851.4)      | 0.000284                 | (0.0001274, 0.0005445) |
| Jawa Tengah | Lower respiratory infections                  | 10  | 3,636.1       | (2,566.7, 5,140.9)   | 0.002219                 | (0.0015666, 0.0031379) | 2,253.9       | (1,564.2, 3,246.8)  | 0.001441                 | (0.0010004, 0.0020764) |
| Jawa Tengah | Malaria                                       | 10  | 36.1          | (8.3, 98.7)          | 0.000022                 | (0.0000050, 0.0000603) | 24.0          | (5.7, 65.7)         | 0.000015                 | (0.0000037, 0.0000420) |
| Jawa Tengah | Tuberculosis                                  | 10  | 4,197.5       | (2,950.0, 5,723.2)   | 0.002562                 | (0.0018006, 0.0034933) | 2,843.2       | (2,009.9, 3,894.1)  | 0.001818                 | (0.0012854, 0.0024903) |
| Jawa Tengah | Maternal disorders                            | 10  |               |                      |                          |                        | 284.0         | (47.3, 736.9)       | 0.000182                 | (0.0000303, 0.0004713) |
| Jawa Tengah | Other communicable diseases                   | 10  | 14,429.6      | (11,153.8, 18,048.4) | 0.008808                 | (0.0068080, 0.0110164) | 9,044.7       | (6,967.6, 11,309.1) | 0.005784                 | (0.0044559, 0.0072323) |
| Jawa Tengah | Other malignant neoplasms                     | 10  | 6,039.6       | (4,449.5, 8,105.8)   | 0.003687                 | (0.0027159, 0.0049476) | 5,548.2       | (4,123.4, 7,143.5)  | 0.003548                 | (0.0026370, 0.0045684) |
| Jawa Tengah | Cerebrovascular disease                       | 10  | 1,348.5       | (814.8, 2,064.6)     | 0.000823                 | (0.0004973, 0.0012602) | 1,454.0       | (881.5, 2,186.9)    | 0.000930                 | (0.0005638, 0.0013986) |
| Jawa Tengah | Ischemic heart disease                        | 10  | 992.1         | (605.4, 1,500.4)     | 0.000606                 | (0.0003695, 0.0009158) | 1,047.5       | (659.7, 1,600.3)    | 0.000670                 | (0.0004219, 0.0010234) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 10  | 1,098.8       | (645.9, 1,782.3)     | 0.000671                 | (0.0003942, 0.0010879) | 1,195.4       | (705.9, 1,897.4)    | 0.000765                 | (0.0004515, 0.0012134) |
| Jawa Tengah | Diabetes mellitus                             | 10  | 569.5         | (320.6, 960.9)       | 0.000348                 | (0.0001957, 0.0005865) | 715.5         | (394.3, 1,197.2)    | 0.000458                 | (0.0002522, 0.0007656) |
| Jawa Tengah | Chronic kidney disease                        | 10  | 2,565.5       | (1,676.9, 3,628.0)   | 0.001566                 | (0.0010236, 0.0022144) | 2,197.9       | (1,461.1, 3,174.7)  | 0.001406                 | (0.0009344, 0.0020303) |
| Jawa Tengah | Cirrhosis                                     | 10  | 3,144.8       | (2,186.9, 4,444.3)   | 0.001920                 | (0.0013349, 0.0027127) | 1,594.4       | (1,084.3, 2,338.9)  | 0.001020                 | (0.0006934, 0.0014958) |
| Jawa Tengah | Chronic respiratory diseases                  | 10  | 2,394.2       | (1,519.3, 3,463.9)   | 0.001461                 | (0.0009274, 0.0021143) | 962.8         | (584.6, 1,541.2)    | 0.000616                 | (0.0003739, 0.0009856) |
| Jawa Tengah | Other non-communicable diseases               | 10  | 11,023.0      | (8,662.3, 13,925.1)  | 0.006728                 | (0.0052873, 0.0084996) | 10,622.2      | (8,371.3, 13,451.7) | 0.006793                 | (0.0053536, 0.0086026) |
| Jawa Tengah | Drowning                                      | 10  | 6,838.7       | (4,578.7, 9,717.9)   | 0.004174                 | (0.0027947, 0.0059316) | 2,132.9       | (1,242.8, 3,317.1)  | 0.001364                 | (0.0007948, 0.0021213) |
| Jawa Tengah | Falls                                         | 10  | 2,196.5       | (1,317.1, 3,612.3)   | 0.001341                 | (0.0008039, 0.0022049) | 916.2         | (521.9, 1,603.2)    | 0.000586                 | (0.0003337, 0.0010252) |
| Jawa Tengah | Interpersonal violence                        | 10  | 319.7         | (164.9, 566.8)       | 0.000195                 | (0.0001007, 0.0003460) | 236.5         | (123.2, 406.7)      | 0.000151                 | (0.0000788, 0.0002601) |
| Jawa Tengah | Self-harm                                     | 10  | 1,062.6       | (518.2, 1,884.6)     | 0.000649                 | (0.0003163, 0.0011503) | 677.7         | (345.7, 1,214.9)    | 0.000433                 | (0.0002211, 0.0007769) |
| Jawa Tengah | Transport injuries                            | 10  | 12,720.7      | (9,507.7, 16,623.3)  | 0.007765                 | (0.0058033, 0.0101465) | 4,309.4       | (3,008.8, 5,912.8)  | 0.002756                 | (0.0019242, 0.0037813) |
| Jawa Tengah | Other unintentional injuries                  | 10  | 3,131.6       | (2,120.4, 4,492.1)   | 0.001912                 | (0.0012943, 0.0027419) | 1,301.8       | (839.6, 1,932.7)    | 0.000833                 | (0.0005370, 0.0012360) |
| Jawa Tengah | Diarrheal diseases                            | 15  | 3,252.7       | (1,950.7, 5,018.9)   | 0.002168                 | (0.0013000, 0.0033446) | 2,220.9       | (1,387.2, 3,164.5)  | 0.001575                 | (0.0009838, 0.0022444) |
| Jawa Tengah | HIV/AIDS                                      | 15  | 713.7         | (275.3, 1,549.1)     | 0.000476                 | (0.0001834, 0.0010323) | 350.3         | (134.9, 741.9)      | 0.000249                 | (0.0000957, 0.0005262) |
| Jawa Tengah | Lower respiratory infections                  | 15  | 1,986.8       | (1,327.8, 2,984.3)   | 0.001324                 | (0.0008848, 0.0019887) | 859.4         | (558.0, 1,260.1)    | 0.000610                 | (0.0003957, 0.0008937) |
| Jawa Tengah | Malaria                                       | 15  | 112.5         | (26.5, 304.8)        | 0.000075                 | (0.0000177, 0.0002031) | 56.8          | (13.9, 159.7)       | 0.000040                 | (0.0000099, 0.0001133) |
| Jawa Tengah | Tuberculosis                                  | 15  | 8,498.4       | (6,267.6, 11,449.2)  | 0.005663                 | (0.0041768, 0.0076298) | 3,881.0       | (2,925.0, 5,012.9)  | 0.002753                 | (0.0020745, 0.0035553) |
| Jawa Tengah | Maternal disorders                            | 15  |               |                      |                          |                        | 2,207.5       | (1,313.2, 3,440.4)  | 0.001566                 | (0.0009314, 0.0024401) |
| Jawa Tengah | Other communicable diseases                   | 15  | 12,910.6      | (9,618.1, 16,911.6)  | 0.008604                 | (0.0064095, 0.0112700) | 6,024.0       | (4,605.1, 7,738.4)  | 0.004273                 | (0.0032661, 0.0054883) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 15  | 683.3         | (285.2, 1,313.0)     | 0.000455                 | (0.0001900, 0.0008750) | 210.0         | (80.4, 456.7)       | 0.000149                 | (0.0000570, 0.0003239) |
| Jawa Tengah | Breast cancer                                 | 15  | 30.0          | (4.0, 105.2)         | 0.000020                 | (0.0000027, 0.0000701) | 773.1         | (261.6, 1,677.8)    | 0.000548                 | (0.0001855, 0.0011900) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|-------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Tengah | Cervical cancer                               | 15  |                               |                                 | 521.2 (172.4, 1,132.9)        | 0.000370 (0.0001223, 0.0008035) |
| Jawa Tengah | Other malignant neoplasms                     | 15  | 7,455.4 (5,438.7, 10,184.6)   | 0.004968 (0.0036244, 0.0067871) | 7,033.2 (5,209.1, 9,071.7)    | 0.004988 (0.0036945, 0.0064339) |
| Jawa Tengah | Cerebrovascular disease                       | 15  | 2,900.6 (1,748.6, 4,445.6)    | 0.001933 (0.0011652, 0.0029625) | 2,321.2 (1,404.5, 3,461.8)    | 0.001646 (0.0009961, 0.0024553) |
| Jawa Tengah | Ischemic heart disease                        | 15  | 3,771.0 (2,528.1, 5,396.0)    | 0.002513 (0.0016847, 0.0035959) | 2,436.2 (1,679.7, 3,455.3)    | 0.001728 (0.0011913, 0.0024506) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 15  | 1,944.8 (1,082.3, 3,162.7)    | 0.001296 (0.0007212, 0.0021076) | 1,782.4 (949.9, 2,864.7)      | 0.001264 (0.0006737, 0.0020317) |
| Jawa Tengah | Diabetes mellitus                             | 15  | 1,025.9 (565.3, 1,695.4)      | 0.000684 (0.0003767, 0.0011298) | 1,108.3 (611.8, 1,814.2)      | 0.000786 (0.0004339, 0.0012867) |
| Jawa Tengah | Chronic kidney disease                        | 15  | 4,232.8 (2,709.6, 6,250.7)    | 0.002821 (0.0018057, 0.0041655) | 3,115.4 (2,012.5, 4,605.2)    | 0.002210 (0.0014274, 0.0032661) |
| Jawa Tengah | Cirrhosis                                     | 15  | 4,380.9 (2,893.0, 6,523.5)    | 0.002919 (0.0019279, 0.0043473) | 1,907.7 (1,222.8, 2,858.9)    | 0.001353 (0.0008672, 0.0020276) |
| Jawa Tengah | Chronic respiratory diseases                  | 15  | 2,118.0 (1,318.8, 3,279.8)    | 0.001411 (0.0008788, 0.0021857) | 907.2 (546.0, 1,415.5)        | 0.000643 (0.0003873, 0.0010039) |
| Jawa Tengah | Other non-communicable diseases               | 15  | 15,037.0 (11,561.0, 19,686.8) | 0.010021 (0.0077043, 0.0131194) | 11,408.9 (9,088.4, 14,117.4)  | 0.008092 (0.0064458, 0.0100126) |
| Jawa Tengah | Drowning                                      | 15  | 4,218.7 (2,669.1, 6,327.4)    | 0.002811 (0.0017787, 0.0042166) | 1,100.3 (639.8, 1,789.6)      | 0.000780 (0.0004538, 0.0012692) |
| Jawa Tengah | Falls                                         | 15  | 2,357.9 (1,458.7, 3,659.7)    | 0.001571 (0.0009721, 0.0024389) | 853.7 (498.9, 1,407.3)        | 0.000606 (0.0003538, 0.0009981) |
| Jawa Tengah | Interpersonal violence                        | 15  | 854.4 (454.4, 1,467.9)        | 0.000569 (0.0003028, 0.0009782) | 554.0 (306.4, 944.9)          | 0.000393 (0.0002173, 0.0006701) |
| Jawa Tengah | Self-harm                                     | 15  | 2,369.4 (1,452.4, 3,600.2)    | 0.001579 (0.0009679, 0.0023992) | 1,335.8 (817.0, 2,094.6)      | 0.000947 (0.0005794, 0.0014855) |
| Jawa Tengah | Transport injuries                            | 15  | 42,269.7 (33,759.2, 53,655.4) | 0.028169 (0.0224972, 0.0357561) | 13,896.5 (11,522.5, 16,783.6) | 0.009856 (0.0081721, 0.0119035) |
| Jawa Tengah | Other unintentional injuries                  | 15  | 5,309.6 (3,789.3, 7,496.7)    | 0.003538 (0.0025252, 0.0049958) | 1,918.1 (1,296.8, 2,707.8)    | 0.001360 (0.0009198, 0.0019205) |
| Jawa Tengah | Diarrheal diseases                            | 20  | 2,659.2 (1,669.2, 4,058.4)    | 0.002143 (0.0013454, 0.0032712) | 1,878.2 (1,194.0, 2,700.4)    | 0.001463 (0.0009301, 0.0021035) |
| Jawa Tengah | HIV/AIDS                                      | 20  | 1,962.9 (1,004.1, 3,358.1)    | 0.001582 (0.0008093, 0.0027067) | 979.4 (523.8, 1,624.3)        | 0.000763 (0.0004080, 0.0012653) |
| Jawa Tengah | Lower respiratory infections                  | 20  | 1,574.5 (1,044.6, 2,309.3)    | 0.001269 (0.0008419, 0.0018613) | 633.1 (407.5, 911.2)          | 0.000493 (0.0003174, 0.0007098) |
| Jawa Tengah | Malaria                                       | 20  | 119.9 (31.0, 333.3)           | 0.000097 (0.0000250, 0.0002687) | 61.0 (15.8, 169.8)            | 0.000048 (0.0000123, 0.0001323) |
| Jawa Tengah | Tuberculosis                                  | 20  | 14,377.4 (10,977.5, 19,227.6) | 0.011588 (0.0088481, 0.0154978) | 5,741.6 (4,430.4, 7,206.0)    | 0.004473 (0.0034512, 0.0056133) |
| Jawa Tengah | Maternal disorders                            | 20  |                               |                                 | 3,784.4 (2,533.1, 5,296.8)    | 0.002948 (0.0019732, 0.0041261) |
| Jawa Tengah | Other communicable diseases                   | 20  | 13,567.5 (10,274.9, 18,126.4) | 0.010936 (0.0082817, 0.0146102) | 6,589.4 (5,094.0, 8,281.9)    | 0.005133 (0.0039681, 0.0064514) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 20  | 550.1 (226.0, 1,070.3)        | 0.000443 (0.0001821, 0.0008627) | 292.7 (125.0, 561.4)          | 0.000228 (0.0000974, 0.0004373) |
| Jawa Tengah | Breast cancer                                 | 20  | 36.9 (9.2, 95.5)              | 0.000030 (0.0000074, 0.0000770) | 2,138.1 (1,263.0, 3,365.6)    | 0.001666 (0.0009839, 0.0026217) |
| Jawa Tengah | Cervical cancer                               | 20  |                               |                                 | 1,072.0 (544.9, 1,836.9)      | 0.000835 (0.0004245, 0.0014309) |
| Jawa Tengah | Other malignant neoplasms                     | 20  | 5,708.6 (4,225.8, 7,928.9)    | 0.004601 (0.0034061, 0.0063908) | 7,130.7 (5,381.0, 9,061.9)    | 0.005555 (0.0041917, 0.0070590) |
| Jawa Tengah | Cerebrovascular disease                       | 20  | 4,447.2 (3,211.2, 6,237.5)    | 0.003585 (0.0025883, 0.0050276) | 3,292.5 (2,432.9, 4,286.1)    | 0.002565 (0.0018951, 0.0033387) |
| Jawa Tengah | Ischemic heart disease                        | 20  | 5,680.4 (4,173.8, 7,740.3)    | 0.004579 (0.0033641, 0.0062388) | 2,643.3 (1,954.5, 3,488.5)    | 0.002059 (0.0015225, 0.0027174) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 20  | 2,397.4 (1,594.1, 3,584.6)    | 0.001932 (0.0012849, 0.0028892) | 2,313.5 (1,607.4, 3,219.2)    | 0.001802 (0.0012521, 0.0025077) |
| Jawa Tengah | Diabetes mellitus                             | 20  | 817.3 (476.2, 1,254.3)        | 0.000659 (0.0003838, 0.0010110) | 923.4 (563.4, 1,422.9)        | 0.000719 (0.0004389, 0.0011084) |
| Jawa Tengah | Chronic kidney disease                        | 20  | 5,394.7 (3,830.4, 7,607.2)    | 0.004348 (0.0030874, 0.0061315) | 4,133.4 (2,974.1, 5,518.4)    | 0.003220 (0.0023167, 0.0042986) |
| Jawa Tengah | Cirrhosis                                     | 20  | 5,685.2 (4,079.0, 7,910.7)    | 0.004582 (0.0032877, 0.0063761) | 2,641.3 (1,876.0, 3,574.1)    | 0.002058 (0.0014614, 0.0027841) |
| Jawa Tengah | Chronic respiratory diseases                  | 20  | 3,530.5 (2,458.9, 4,919.9)    | 0.002846 (0.0019819, 0.0039655) | 2,053.1 (1,450.5, 2,827.3)    | 0.001599 (0.0011299, 0.0022024) |
| Jawa Tengah | Other non-communicable diseases               | 20  | 11,749.7 (9,093.1, 15,870.1)  | 0.009470 (0.0073292, 0.0127915) | 8,860.5 (7,072.4, 10,934.1)   | 0.006902 (0.0055092, 0.0085174) |
| Jawa Tengah | Drowning                                      | 20  | 2,477.7 (1,446.9, 3,822.1)    | 0.001997 (0.0011662, 0.0030807) | 621.6 (319.6, 1,026.3)        | 0.000484 (0.0002489, 0.0007994) |
| Jawa Tengah | Falls                                         | 20  | 1,885.2 (1,134.4, 2,842.4)    | 0.001520 (0.0009143, 0.0022910) | 651.2 (379.2, 1,059.0)        | 0.000507 (0.0002954, 0.0008249) |
| Jawa Tengah | Interpersonal violence                        | 20  | 838.1 (453.7, 1,431.4)        | 0.000676 (0.0003657, 0.0011538) | 499.2 (272.1, 855.9)          | 0.000389 (0.0002119, 0.0006667) |
| Jawa Tengah | Self-harm                                     | 20  | 1,991.8 (1,248.9, 3,056.7)    | 0.001605 (0.0010067, 0.0024637) | 1,026.5 (613.0, 1,592.6)      | 0.000800 (0.0004775, 0.0012406) |
| Jawa Tengah | Transport injuries                            | 20  | 27,854.7 (21,912.1, 36,804.1) | 0.022451 (0.0176616, 0.0296647) | 8,134.7 (6,413.4, 10,030.3)   | 0.006337 (0.0049958, 0.0078133) |
| Jawa Tengah | Other unintentional injuries                  | 20  | 4,828.1 (3,372.5, 6,829.2)    | 0.003892 (0.0027183, 0.0055045) | 1,631.4 (1,093.5, 2,302.1)    | 0.001271 (0.0008518, 0.0017933) |
| Jawa Tengah | Diarrheal diseases                            | 25  | 4,258.9 (2,873.6, 6,163.1)    | 0.003120 (0.0021049, 0.0045144) | 2,462.6 (1,655.4, 3,612.0)    | 0.001739 (0.0011692, 0.0025512) |
| Jawa Tengah | HIV/AIDS                                      | 25  | 4,037.1 (2,522.9, 6,118.9)    | 0.002957 (0.0018480, 0.0044820) | 1,679.9 (982.5, 2,648.4)      | 0.001187 (0.0006940, 0.0018706) |
| Jawa Tengah | Lower respiratory infections                  | 25  | 1,802.3 (1,232.7, 2,558.3)    | 0.001320 (0.0009030, 0.0018739) | 599.7 (384.7, 894.9)          | 0.000424 (0.0002717, 0.0006321) |
| Jawa Tengah | Malaria                                       | 25  | 143.4 (37.2, 377.7)           | 0.000105 (0.0000273, 0.0002767) | 58.5 (15.1, 158.2)            | 0.000041 (0.0000106, 0.0001117) |
| Jawa Tengah | Tuberculosis                                  | 25  | 21,642.6 (17,830.4, 27,660.1) | 0.015853 (0.0130607, 0.0202609) | 7,003.5 (5,400.0, 9,093.2)    | 0.004947 (0.0038141, 0.0064227) |
| Jawa Tengah | Maternal disorders                            | 25  |                               |                                 | 4,199.5 (2,877.4, 5,937.7)    | 0.002966 (0.0020323, 0.0041939) |
| Jawa Tengah | Other communicable diseases                   | 25  | 16,238.7 (12,884.7, 20,469.5) | 0.011895 (0.0094379, 0.0149938) | 6,489.1 (4,758.5, 8,390.1)    | 0.004583 (0.0033610, 0.0059261) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 25  | 886.8 (434.2, 1,498.4)        | 0.000650 (0.0003180, 0.0010976) | 358.4 (169.0, 661.5)          | 0.000253 (0.0001194, 0.0004673) |
| Jawa Tengah | Breast cancer                                 | 25  | 54.6 (17.4, 132.7)            | 0.000040 (0.0000128, 0.0000972) | 4,078.4 (2,845.9, 5,640.8)    | 0.002881 (0.0020101, 0.0039842) |
| Jawa Tengah | Cervical cancer                               | 25  |                               |                                 | 1,818.9 (1,116.4, 2,870.9)    | 0.001285 (0.0007885, 0.0020278) |
| Jawa Tengah | Other malignant neoplasms                     | 25  | 9,089.2 (7,337.5, 11,516.7)   | 0.006658 (0.0053747, 0.0084359) | 7,318.5 (5,526.2, 9,443.1)    | 0.005169 (0.0039033, 0.0066698) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Cerebrovascular disease                       | 25  | 8,680.5       | (6,926.0, 11,132.9)  | 0.006358                 | (0.0050732, 0.0081548) | 5,051.4       | (3,739.7, 6,459.0)   | 0.003568                 | (0.0026414, 0.0045621) |
| Jawa Tengah | Ischemic heart disease                        | 25  | 11,459.2      | (9,302.3, 14,374.8)  | 0.008394                 | (0.0068139, 0.0105295) | 4,066.0       | (3,057.3, 5,225.4)   | 0.002872                 | (0.0021595, 0.0036908) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 25  | 3,531.0       | (2,649.0, 4,711.8)   | 0.002586                 | (0.0019404, 0.0034514) | 2,725.2       | (1,970.5, 3,738.0)   | 0.001925                 | (0.0013918, 0.0026402) |
| Jawa Tengah | Diabetes mellitus                             | 25  | 1,566.0       | (1,130.4, 2,145.3)   | 0.001147                 | (0.0008280, 0.0015714) | 1,367.1       | (943.9, 1,943.3)     | 0.000966                 | (0.0006667, 0.0013726) |
| Jawa Tengah | Chronic kidney disease                        | 25  | 6,970.9       | (5,403.7, 9,101.4)   | 0.005106                 | (0.0039582, 0.0066667) | 4,116.9       | (3,038.1, 5,500.5)   | 0.002908                 | (0.0021458, 0.0038851) |
| Jawa Tengah | Cirrhosis                                     | 25  | 8,921.3       | (6,967.4, 11,331.6)  | 0.006535                 | (0.0051036, 0.0083004) | 3,245.6       | (2,350.8, 4,340.0)   | 0.002292                 | (0.0016604, 0.0030654) |
| Jawa Tengah | Chronic respiratory diseases                  | 25  | 4,968.2       | (3,743.4, 6,654.2)   | 0.003639                 | (0.0027420, 0.0048741) | 2,319.4       | (1,640.9, 3,139.4)   | 0.001638                 | (0.0011590, 0.0022174) |
| Jawa Tengah | Other non-communicable diseases               | 25  | 15,108.6      | (12,433.9, 19,281.8) | 0.011067                 | (0.0091078, 0.0141238) | 9,050.2       | (7,011.9, 11,551.8)  | 0.006392                 | (0.0049526, 0.0081593) |
| Jawa Tengah | Drowning                                      | 25  | 1,765.4       | (932.4, 2,899.0)     | 0.001293                 | (0.0006830, 0.0021235) | 342.1         | (170.6, 594.6)       | 0.000242                 | (0.0001205, 0.0004200) |
| Jawa Tengah | Falls                                         | 25  | 2,905.7       | (1,932.2, 4,216.1)   | 0.002128                 | (0.0014153, 0.0030883) | 773.5         | (485.3, 1,198.2)     | 0.000546                 | (0.0003428, 0.0008463) |
| Jawa Tengah | Interpersonal violence                        | 25  | 922.8         | (541.2, 1,562.0)     | 0.000676                 | (0.0003964, 0.0011441) | 411.8         | (228.6, 707.4)       | 0.000291                 | (0.0001615, 0.0004996) |
| Jawa Tengah | Self-harm                                     | 25  | 2,033.5       | (1,356.5, 2,998.6)   | 0.001490                 | (0.0009936, 0.0021965) | 778.0         | (467.4, 1,207.5)     | 0.000550                 | (0.0003301, 0.0008529) |
| Jawa Tengah | Transport injuries                            | 25  | 20,204.3      | (16,157.2, 25,907.8) | 0.014800                 | (0.0118350, 0.0189773) | 4,215.6       | (3,071.5, 5,619.0)   | 0.002978                 | (0.0021695, 0.0039688) |
| Jawa Tengah | Other unintentional injuries                  | 25  | 6,270.2       | (4,601.4, 8,406.1)   | 0.004593                 | (0.0033705, 0.0061574) | 1,607.2       | (1,077.9, 2,330.4)   | 0.001135                 | (0.0007614, 0.0016460) |
| Jawa Tengah | Diarrheal diseases                            | 30  | 4,126.8       | (2,866.3, 5,787.0)   | 0.003059                 | (0.0021243, 0.0042889) | 2,426.5       | (1,592.8, 3,510.4)   | 0.001766                 | (0.0011595, 0.0025555) |
| Jawa Tengah | HIV/AIDS                                      | 30  | 3,543.1       | (2,301.1, 5,300.6)   | 0.002626                 | (0.0017054, 0.0039284) | 1,551.5       | (945.7, 2,463.6)     | 0.001129                 | (0.0006884, 0.0017934) |
| Jawa Tengah | Lower respiratory infections                  | 30  | 1,472.4       | (1,049.3, 2,013.1)   | 0.001091                 | (0.0007777, 0.0014920) | 531.1         | (347.8, 772.6)       | 0.000387                 | (0.0002532, 0.0005624) |
| Jawa Tengah | Malaria                                       | 30  | 97.4          | (25.7, 250.9)        | 0.000072                 | (0.0000190, 0.0001860) | 39.3          | (10.6, 108.4)        | 0.000029                 | (0.0000077, 0.0000789) |
| Jawa Tengah | Tuberculosis                                  | 30  | 17,287.0      | (14,125.0, 21,504.4) | 0.012812                 | (0.0104685, 0.0159376) | 5,901.6       | (4,395.2, 7,810.7)   | 0.004296                 | (0.0031996, 0.0056861) |
| Jawa Tengah | Maternal disorders                            | 30  |               |                      |                          |                        | 6,226.3       | (4,391.1, 8,700.6)   | 0.004533                 | (0.0031967, 0.0063339) |
| Jawa Tengah | Other communicable diseases                   | 30  | 10,201.2      | (7,952.6, 13,101.8)  | 0.007560                 | (0.0058939, 0.0097102) | 4,170.1       | (2,945.3, 5,735.9)   | 0.003036                 | (0.0021441, 0.0041756) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 30  | 1,307.2       | (703.1, 2,349.5)     | 0.000969                 | (0.0005211, 0.0017413) | 400.8         | (218.1, 672.9)       | 0.000292                 | (0.0001588, 0.0004898) |
| Jawa Tengah | Breast cancer                                 | 30  | 69.4          | (21.3, 176.7)        | 0.000052                 | (0.0000158, 0.0001310) | 6,023.7       | (4,362.8, 8,362.3)   | 0.004385                 | (0.0031761, 0.0060876) |
| Jawa Tengah | Cervical cancer                               | 30  |               |                      |                          |                        | 3,144.8       | (2,075.5, 4,798.4)   | 0.002289                 | (0.0015110, 0.0034932) |
| Jawa Tengah | Other malignant neoplasms                     | 30  | 10,608.8      | (8,634.0, 13,367.5)  | 0.007863                 | (0.0063989, 0.0099071) | 7,272.4       | (5,339.8, 9,854.2)   | 0.005294                 | (0.0038873, 0.0071737) |
| Jawa Tengah | Cerebrovascular disease                       | 30  | 11,609.2      | (9,566.3, 14,276.3)  | 0.008604                 | (0.0070899, 0.0105806) | 8,087.2       | (6,179.9, 10,789.1)  | 0.005887                 | (0.0044988, 0.0078543) |
| Jawa Tengah | Ischemic heart disease                        | 30  | 13,215.9      | (11,025.8, 16,112.1) | 0.009795                 | (0.0081715, 0.0119412) | 5,791.3       | (4,380.0, 7,712.3)   | 0.004216                 | (0.0031886, 0.0056144) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 30  | 3,645.0       | (2,868.9, 4,635.7)   | 0.002701                 | (0.0021262, 0.0034357) | 3,276.9       | (2,428.6, 4,591.0)   | 0.002386                 | (0.0017680, 0.0033422) |
| Jawa Tengah | Diabetes mellitus                             | 30  | 2,181.5       | (1,674.0, 2,839.7)   | 0.001617                 | (0.0012406, 0.0021046) | 2,190.9       | (1,573.7, 3,018.9)   | 0.001595                 | (0.0011457, 0.0021977) |
| Jawa Tengah | Chronic kidney disease                        | 30  | 6,308.0       | (4,982.9, 7,938.1)   | 0.004675                 | (0.0036930, 0.0058832) | 4,281.8       | (3,080.3, 5,878.2)   | 0.003117                 | (0.0022424, 0.0042792) |
| Jawa Tengah | Cirrhosis                                     | 30  | 10,200.6      | (8,239.9, 12,642.4)  | 0.007560                 | (0.0061069, 0.0093697) | 4,370.8       | (3,188.3, 6,073.9)   | 0.003182                 | (0.0023210, 0.0044217) |
| Jawa Tengah | Chronic respiratory diseases                  | 30  | 4,499.6       | (3,469.6, 5,896.6)   | 0.003335                 | (0.0025714, 0.0043701) | 2,366.4       | (1,676.6, 3,235.1)   | 0.001723                 | (0.0012205, 0.0023551) |
| Jawa Tengah | Other non-communicable diseases               | 30  | 13,326.5      | (11,071.0, 16,487.5) | 0.009877                 | (0.0082051, 0.0122194) | 9,463.6       | (7,236.3, 12,643.7)  | 0.006889                 | (0.0052679, 0.0092044) |
| Jawa Tengah | Drowning                                      | 30  | 1,905.8       | (1,098.0, 2,941.3)   | 0.001413                 | (0.0008138, 0.0021799) | 474.4         | (250.7, 819.3)       | 0.000345                 | (0.0001825, 0.0005964) |
| Jawa Tengah | Falls                                         | 30  | 3,194.5       | (2,209.7, 4,592.5)   | 0.002368                 | (0.0016377, 0.0034036) | 1,069.3       | (674.0, 1,624.3)     | 0.000778                 | (0.0004906, 0.0011824) |
| Jawa Tengah | Interpersonal violence                        | 30  | 582.3         | (336.9, 970.8)       | 0.000432                 | (0.0002497, 0.0007195) | 310.5         | (170.6, 527.4)       | 0.000226                 | (0.0001242, 0.0003839) |
| Jawa Tengah | Self-harm                                     | 30  | 1,232.5       | (814.7, 1,815.6)     | 0.000913                 | (0.0006038, 0.0013456) | 559.7         | (334.6, 871.6)       | 0.000408                 | (0.0002436, 0.0006345) |
| Jawa Tengah | Transport injuries                            | 30  | 15,388.9      | (12,438.6, 19,608.3) | 0.011405                 | (0.0092186, 0.0145323) | 3,936.6       | (2,816.8, 5,359.5)   | 0.002866                 | (0.0020506, 0.0039016) |
| Jawa Tengah | Other unintentional injuries                  | 30  | 4,941.8       | (3,659.5, 6,553.1)   | 0.003663                 | (0.0027122, 0.0048567) | 1,547.2       | (1,014.9, 2,320.0)   | 0.001126                 | (0.0007388, 0.0016889) |
| Jawa Tengah | Diarrheal diseases                            | 35  | 3,819.2       | (2,609.5, 5,312.7)   | 0.002972                 | (0.0020307, 0.0041343) | 2,730.5       | (1,866.2, 3,947.7)   | 0.002068                 | (0.0014134, 0.0029898) |
| Jawa Tengah | HIV/AIDS                                      | 35  | 3,246.0       | (2,058.1, 4,846.4)   | 0.002526                 | (0.0016016, 0.0037715) | 1,649.5       | (1,001.9, 2,658.3)   | 0.001249                 | (0.0007588, 0.0020132) |
| Jawa Tengah | Lower respiratory infections                  | 35  | 1,689.9       | (1,236.6, 2,285.9)   | 0.001315                 | (0.0009623, 0.0017789) | 741.5         | (498.9, 1,064.0)     | 0.000562                 | (0.0003778, 0.0008058) |
| Jawa Tengah | Malaria                                       | 35  | 86.4          | (22.9, 214.7)        | 0.000067                 | (0.0000178, 0.0001671) | 38.6          | (11.0, 105.5)        | 0.000029                 | (0.0000083, 0.0000799) |
| Jawa Tengah | Tuberculosis                                  | 35  | 19,001.2      | (15,419.3, 23,380.4) | 0.014787                 | (0.0119993, 0.0181946) | 7,149.1       | (5,323.2, 9,565.3)   | 0.005414                 | (0.0040315, 0.0072443) |
| Jawa Tengah | Maternal disorders                            | 35  |               |                      |                          |                        | 5,661.6       | (3,941.7, 7,944.1)   | 0.004288                 | (0.0029853, 0.0060164) |
| Jawa Tengah | Other communicable diseases                   | 35  | 9,732.8       | (7,472.0, 12,509.1)  | 0.007574                 | (0.0058147, 0.0097345) | 4,954.3       | (3,520.6, 6,865.5)   | 0.003752                 | (0.0026663, 0.0051996) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 35  | 1,041.0       | (518.4, 1,779.5)     | 0.000810                 | (0.0004034, 0.0013848) | 555.1         | (329.4, 880.2)       | 0.000420                 | (0.0002495, 0.0006666) |
| Jawa Tengah | Breast cancer                                 | 35  | 131.7         | (48.0, 297.0)        | 0.000103                 | (0.0000373, 0.0002311) | 8,599.1       | (6,367.5, 11,706.6)  | 0.006513                 | (0.0048224, 0.0088660) |
| Jawa Tengah | Cervical cancer                               | 35  |               |                      |                          |                        | 5,666.7       | (3,953.7, 8,238.0)   | 0.004292                 | (0.0029943, 0.0062390) |
| Jawa Tengah | Other malignant neoplasms                     | 35  | 14,542.0      | (12,021.0, 17,551.1) | 0.011317                 | (0.0093547, 0.0136582) | 8,010.6       | (5,871.2, 10,795.5)  | 0.006067                 | (0.0044465, 0.0081759) |
| Jawa Tengah | Cerebrovascular disease                       | 35  | 19,521.2      | (16,354.5, 23,641.5) | 0.015191                 | (0.0127270, 0.0183977) | 14,160.3      | (10,870.6, 18,631.7) | 0.010724                 | (0.0082328, 0.0141107) |
| Jawa Tengah | Ischemic heart disease                        | 35  | 20,068.7      | (16,827.8, 24,197.1) | 0.015617                 | (0.0130953, 0.0188301) | 8,951.2       | (6,864.1, 11,824.0)  | 0.006779                 | (0.0051985, 0.0089549) |



Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 35  | 4,881.9       | (3,880.3, 6,050.2)   | 0.003799                 | (0.0030196, 0.0047083) | 4,459.3       | (3,308.9, 6,007.4)   | 0.003377                 | (0.0025060, 0.0045497) |
| Jawa Tengah | Diabetes mellitus                             | 35  | 4,274.5       | (3,371.8, 5,402.6)   | 0.003326                 | (0.0026239, 0.0042043) | 4,273.0       | (3,135.1, 5,779.0)   | 0.003236                 | (0.0023743, 0.0043767) |
| Jawa Tengah | Chronic kidney disease                        | 35  | 7,738.9       | (6,199.7, 9,605.4)   | 0.006022                 | (0.0048246, 0.0074749) | 5,152.7       | (3,879.0, 6,920.9)   | 0.003902                 | (0.0029378, 0.0052416) |
| Jawa Tengah | Cirrhosis                                     | 35  | 13,625.7      | (11,179.1, 16,570.0) | 0.010603                 | (0.0086996, 0.0128947) | 6,120.2       | (4,535.2, 8,287.7)   | 0.004635                 | (0.0034347, 0.0062767) |
| Jawa Tengah | Chronic respiratory diseases                  | 35  | 5,666.2       | (4,507.9, 7,156.3)   | 0.004409                 | (0.0035080, 0.0055690) | 2,927.1       | (2,111.8, 4,022.9)   | 0.002217                 | (0.0015993, 0.0030467) |
| Jawa Tengah | Other non-communicable diseases               | 35  | 14,595.1      | (12,147.1, 17,547.2) | 0.011358                 | (0.0094528, 0.0136552) | 10,727.3      | (8,234.3, 14,232.9)  | 0.008124                 | (0.0062362, 0.0107793) |
| Jawa Tengah | Drowning                                      | 35  | 2,723.8       | (1,665.3, 4,280.1)   | 0.002120                 | (0.0012959, 0.0033308) | 837.9         | (446.3, 1,444.9)     | 0.000635                 | (0.0003380, 0.0010943) |
| Jawa Tengah | Falls                                         | 35  | 3,601.6       | (2,503.7, 5,060.8)   | 0.002803                 | (0.0019484, 0.0039383) | 1,409.2       | (866.2, 2,097.5)     | 0.001067                 | (0.0006560, 0.0015885) |
| Jawa Tengah | Interpersonal violence                        | 35  | 518.0         | (299.6, 849.6)       | 0.000403                 | (0.0002332, 0.0006611) | 277.6         | (152.6, 475.5)       | 0.000210                 | (0.0001155, 0.0003602) |
| Jawa Tengah | Self-harm                                     | 35  | 1,164.7       | (751.4, 1,687.3)     | 0.000906                 | (0.0005847, 0.0013130) | 517.2         | (303.0, 789.0)       | 0.000392                 | (0.0002294, 0.0005975) |
| Jawa Tengah | Transport injuries                            | 35  | 13,490.8      | (10,665.2, 16,951.6) | 0.010499                 | (0.0082996, 0.0131916) | 3,788.8       | (2,714.5, 5,137.0)   | 0.002869                 | (0.0020558, 0.0038905) |
| Jawa Tengah | Other unintentional injuries                  | 35  | 4,984.8       | (3,573.4, 6,568.2)   | 0.003879                 | (0.0027808, 0.0051113) | 1,669.2       | (1,136.5, 2,411.5)   | 0.001264                 | (0.0008608, 0.0018263) |
| Jawa Tengah | Diarrheal diseases                            | 40  | 4,503.8       | (3,235.9, 6,066.7)   | 0.003530                 | (0.0025361, 0.0047547) | 3,683.1       | (2,561.2, 5,076.4)   | 0.002790                 | (0.0019405, 0.0038461) |
| Jawa Tengah | HIV/AIDS                                      | 40  | 1,830.3       | (1,095.5, 2,866.8)   | 0.001435                 | (0.0008586, 0.0022468) | 1,074.8       | (617.0, 1,711.4)     | 0.000814                 | (0.0004675, 0.0012966) |
| Jawa Tengah | Lower respiratory infections                  | 40  | 1,822.0       | (1,368.8, 2,392.3)   | 0.001428                 | (0.0010728, 0.0018749) | 973.7         | (658.7, 1,374.3)     | 0.000738                 | (0.0004991, 0.0010412) |
| Jawa Tengah | Malaria                                       | 40  | 91.6          | (24.7, 224.7)        | 0.000072                 | (0.0000194, 0.0001761) | 44.1          | (11.6, 118.9)        | 0.000033                 | (0.0000088, 0.0000901) |
| Jawa Tengah | Tuberculosis                                  | 40  | 18,589.2      | (15,339.2, 22,713.7) | 0.014569                 | (0.0120218, 0.0178015) | 7,995.3       | (5,873.2, 10,489.5)  | 0.006058                 | (0.0044498, 0.0079473) |
| Jawa Tengah | Maternal disorders                            | 40  |               |                      |                          |                        | 2,598.9       | (1,629.1, 3,882.7)   | 0.001969                 | (0.0012343, 0.0029417) |
| Jawa Tengah | Other communicable diseases                   | 40  | 10,367.8      | (8,068.2, 13,044.4)  | 0.008126                 | (0.0063234, 0.0102234) | 6,140.5       | (4,434.1, 8,221.2)   | 0.004652                 | (0.0033595, 0.0062287) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 40  | 1,995.1       | (1,312.6, 2,971.8)   | 0.001564                 | (0.0010288, 0.0023291) | 747.9         | (449.2, 1,148.3)     | 0.000567                 | (0.0003403, 0.0008700) |
| Jawa Tengah | Breast cancer                                 | 40  | 265.1         | (117.4, 543.9)       | 0.000208                 | (0.0000920, 0.0004263) | 11,597.2      | (8,792.4, 15,031.1)  | 0.008787                 | (0.0066615, 0.0113882) |
| Jawa Tengah | Cervical cancer                               | 40  |               |                      |                          |                        | 8,611.9       | (6,270.7, 11,968.4)  | 0.006525                 | (0.0047510, 0.0090678) |
| Jawa Tengah | Other malignant neoplasms                     | 40  | 21,914.6      | (18,112.9, 26,217.3) | 0.017175                 | (0.0141957, 0.0205474) | 8,914.8       | (6,515.6, 11,840.2)  | 0.006754                 | (0.0049365, 0.0089706) |
| Jawa Tengah | Cerebrovascular disease                       | 40  | 33,789.1      | (28,480.1, 40,372.8) | 0.026482                 | (0.0223208, 0.0316415) | 23,775.5      | (18,612.4, 30,132.9) | 0.018013                 | (0.0141016, 0.0228301) |
| Jawa Tengah | Ischemic heart disease                        | 40  | 31,821.2      | (26,817.2, 37,954.3) | 0.024939                 | (0.0210175, 0.0297461) | 14,193.5      | (10,886.8, 18,394.8) | 0.010754                 | (0.0082483, 0.0139367) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 40  | 7,621.6       | (6,107.7, 9,420.3)   | 0.005973                 | (0.0047868, 0.0073830) | 6,488.5       | (4,864.3, 8,611.4)   | 0.004916                 | (0.0036854, 0.0065244) |
| Jawa Tengah | Diabetes mellitus                             | 40  | 9,827.2       | (8,011.6, 12,283.5)  | 0.007702                 | (0.0062790, 0.0096270) | 9,123.0       | (6,901.9, 12,118.6)  | 0.006912                 | (0.0052292, 0.0091816) |
| Jawa Tengah | Chronic kidney disease                        | 40  | 10,756.2      | (8,710.3, 13,421.7)  | 0.008430                 | (0.0068265, 0.0105191) | 6,626.9       | (4,982.1, 8,730.8)   | 0.005021                 | (0.0037747, 0.0066148) |
| Jawa Tengah | Cirrhosis                                     | 40  | 18,685.9      | (15,321.9, 22,719.9) | 0.014645                 | (0.0120083, 0.0178064) | 8,119.7       | (6,078.2, 10,689.7)  | 0.006152                 | (0.0046051, 0.0080990) |
| Jawa Tengah | Chronic respiratory diseases                  | 40  | 7,891.4       | (6,297.0, 9,944.9)   | 0.006185                 | (0.0049352, 0.0077942) | 3,733.9       | (2,720.4, 5,007.2)   | 0.002829                 | (0.0020611, 0.0037937) |
| Jawa Tengah | Other non-communicable diseases               | 40  | 17,490.4      | (14,493.1, 21,060.4) | 0.013708                 | (0.0113588, 0.0165058) | 12,305.9      | (9,453.1, 16,054.4)  | 0.009324                 | (0.0071621, 0.0121636) |
| Jawa Tengah | Drowning                                      | 40  | 1,635.5       | (910.7, 2,724.2)     | 0.001282                 | (0.0007138, 0.0021350) | 535.9         | (264.7, 924.0)       | 0.000406                 | (0.0002006, 0.0007001) |
| Jawa Tengah | Falls                                         | 40  | 3,518.6       | (2,484.5, 4,949.0)   | 0.002758                 | (0.0019472, 0.0038787) | 1,419.3       | (939.4, 2,080.6)     | 0.001075                 | (0.0007117, 0.0015763) |
| Jawa Tengah | Interpersonal violence                        | 40  | 427.5         | (243.9, 680.4)       | 0.000335                 | (0.0001911, 0.0005332) | 213.5         | (116.0, 371.9)       | 0.000162                 | (0.0000879, 0.0002817) |
| Jawa Tengah | Self-harm                                     | 40  | 1,085.7       | (711.3, 1,567.2)     | 0.000851                 | (0.0005575, 0.0012283) | 441.2         | (265.4, 688.7)       | 0.000334                 | (0.0002011, 0.0005218) |
| Jawa Tengah | Transport injuries                            | 40  | 11,887.9      | (9,201.3, 14,928.1)  | 0.009317                 | (0.0072114, 0.0116996) | 3,314.5       | (2,395.5, 4,572.5)   | 0.002511                 | (0.0018150, 0.0034643) |
| Jawa Tengah | Other unintentional injuries                  | 40  | 4,327.5       | (3,119.0, 5,835.4)   | 0.003392                 | (0.0024445, 0.0045734) | 1,407.2       | (951.1, 2,018.5)     | 0.001066                 | (0.0007206, 0.0015293) |
| Jawa Tengah | Diarrheal diseases                            | 45  | 4,445.3       | (3,203.0, 5,976.2)   | 0.003836                 | (0.0027643, 0.0051577) | 4,966.7       | (3,558.8, 6,551.4)   | 0.004133                 | (0.0029611, 0.0054510) |
| Jawa Tengah | HIV/AIDS                                      | 45  | 952.3         | (532.8, 1,575.2)     | 0.000822                 | (0.0004598, 0.0013594) | 757.8         | (422.0, 1,277.3)     | 0.000631                 | (0.0003512, 0.0010628) |
| Jawa Tengah | Lower respiratory infections                  | 45  | 2,239.6       | (1,675.2, 2,998.1)   | 0.001933                 | (0.0014457, 0.0025875) | 1,722.8       | (1,226.1, 2,379.4)   | 0.001434                 | (0.0010202, 0.0019797) |
| Jawa Tengah | Malaria                                       | 45  | 76.5          | (20.7, 197.7)        | 0.000066                 | (0.0000178, 0.0001706) | 45.3          | (12.1, 121.8)        | 0.000038                 | (0.0000101, 0.0001013) |
| Jawa Tengah | Tuberculosis                                  | 45  | 19,807.5      | (16,103.9, 24,380.9) | 0.017095                 | (0.0138983, 0.0210417) | 10,884.7      | (8,433.2, 13,756.5)  | 0.009057                 | (0.0070168, 0.0114460) |
| Jawa Tengah | Maternal disorders                            | 45  |               |                      |                          |                        | 911.5         | (453.0, 1,614.6)     | 0.000758                 | (0.0003769, 0.0013434) |
| Jawa Tengah | Other communicable diseases                   | 45  | 8,876.5       | (6,846.9, 11,258.6)  | 0.007661                 | (0.0059092, 0.0097167) | 7,413.7       | (5,584.7, 9,710.6)   | 0.006169                 | (0.0046467, 0.0080796) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 45  | 2,392.8       | (1,595.3, 3,387.6)   | 0.002065                 | (0.0013768, 0.0029236) | 1,060.7       | (682.8, 1,613.1)     | 0.000883                 | (0.0005681, 0.0013421) |
| Jawa Tengah | Breast cancer                                 | 45  | 288.5         | (130.5, 554.3)       | 0.000249                 | (0.0001126, 0.0004784) | 13,006.6      | (10,041.7, 16,622.6) | 0.010822                 | (0.0083551, 0.0138307) |
| Jawa Tengah | Cervical cancer                               | 45  |               |                      |                          |                        | 9,981.2       | (7,363.3, 13,144.1)  | 0.008305                 | (0.0061265, 0.0109364) |
| Jawa Tengah | Other malignant neoplasms                     | 45  | 20,924.8      | (17,071.1, 25,407.1) | 0.018059                 | (0.0147331, 0.0219273) | 9,762.6       | (7,285.4, 12,441.2)  | 0.008123                 | (0.0060618, 0.0103516) |
| Jawa Tengah | Cerebrovascular disease                       | 45  | 46,621.3      | (38,504.9, 56,031.9) | 0.040236                 | (0.0332313, 0.0483578) | 39,738.6      | (31,992.6, 48,973.8) | 0.033064                 | (0.0266191, 0.0407482) |
| Jawa Tengah | Ischemic heart disease                        | 45  | 39,335.8      | (32,357.7, 47,475.2) | 0.033948                 | (0.0279260, 0.0409730) | 20,798.1      | (16,658.3, 25,917.2) | 0.017305                 | (0.0138604, 0.0215642) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 45  | 9,597.5       | (7,634.1, 12,033.1)  | 0.008283                 | (0.0065885, 0.0103850) | 9,566.9       | (7,407.9, 12,116.0)  | 0.007960                 | (0.0061637, 0.0100810) |
| Jawa Tengah | Diabetes mellitus                             | 45  | 15,762.3      | (12,717.7, 19,527.5) | 0.013604                 | (0.0109759, 0.0168530) | 17,003.5      | (13,456.5, 21,550.6) | 0.014148                 | (0.0111964, 0.0179310) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Chronic kidney disease                        | 45  | 11,487.3      | (9,270.2, 14,207.4)  | 0.009914                 | (0.0080006, 0.0122616) | 8,096.9       | (6,241.8, 10,384.8)  | 0.006737                 | (0.0051934, 0.0086406) |
| Jawa Tengah | Cirrhosis                                     | 45  | 19,468.1      | (15,704.8, 23,614.4) | 0.016802                 | (0.0135539, 0.0203802) | 10,455.0      | (8,037.1, 13,328.2)  | 0.008699                 | (0.0066872, 0.0110896) |
| Jawa Tengah | Chronic respiratory diseases                  | 45  | 10,408.9      | (8,226.6, 12,924.3)  | 0.008983                 | (0.0070999, 0.0111542) | 5,806.1       | (4,382.6, 7,441.2)   | 0.004831                 | (0.0036465, 0.0061914) |
| Jawa Tengah | Other non-communicable diseases               | 45  | 17,283.7      | (14,045.6, 21,020.3) | 0.014917                 | (0.0121220, 0.0181413) | 14,584.0      | (11,589.2, 18,198.9) | 0.012135                 | (0.0096427, 0.0151423) |
| Jawa Tengah | Drowning                                      | 45  | 1,125.2       | (621.0, 1,875.7)     | 0.000971                 | (0.0005359, 0.0016188) | 533.4         | (267.1, 951.8)       | 0.000444                 | (0.0002222, 0.0007919) |
| Jawa Tengah | Falls                                         | 45  | 3,939.2       | (2,775.5, 5,388.1)   | 0.003400                 | (0.0023954, 0.0046501) | 2,154.2       | (1,447.5, 2,995.9)   | 0.001792                 | (0.0012044, 0.0024927) |
| Jawa Tengah | Interpersonal violence                        | 45  | 352.3         | (197.3, 577.8)       | 0.000304                 | (0.0001703, 0.0004987) | 198.9         | (106.4, 339.3)       | 0.000166                 | (0.0000885, 0.0002823) |
| Jawa Tengah | Self-harm                                     | 45  | 1,013.4       | (669.8, 1,455.4)     | 0.000875                 | (0.0005780, 0.0012561) | 450.0         | (271.8, 705.3)       | 0.000374                 | (0.0002261, 0.0005869) |
| Jawa Tengah | Transport injuries                            | 45  | 11,868.5      | (9,178.3, 15,296.0)  | 0.010243                 | (0.0079213, 0.0132010) | 4,240.5       | (3,002.4, 5,590.3)   | 0.003528                 | (0.0024981, 0.0046513) |
| Jawa Tengah | Other unintentional injuries                  | 45  | 3,976.4       | (2,845.1, 5,288.1)   | 0.003432                 | (0.0024555, 0.0045639) | 1,578.7       | (1,079.0, 2,186.0)   | 0.001314                 | (0.0008978, 0.0018188) |
| Jawa Tengah | Diarrheal diseases                            | 50  | 5,779.4       | (4,184.2, 7,613.0)   | 0.005741                 | (0.0041564, 0.0075626) | 6,284.4       | (4,710.4, 8,145.0)   | 0.006279                 | (0.0047062, 0.0081378) |
| Jawa Tengah | HIV/AIDS                                      | 50  | 405.4         | (203.8, 690.2)       | 0.000403                 | (0.0002025, 0.0006857) | 320.2         | (155.0, 580.1)       | 0.000320                 | (0.0001548, 0.0005796) |
| Jawa Tengah | Lower respiratory infections                  | 50  | 2,979.8       | (2,208.3, 4,051.1)   | 0.002960                 | (0.0021937, 0.0040242) | 2,284.1       | (1,653.8, 3,073.2)   | 0.002282                 | (0.0016523, 0.0030705) |
| Jawa Tengah | Malaria                                       | 50  | 73.5          | (19.0, 185.7)        | 0.000073                 | (0.0000189, 0.0001844) | 40.7          | (10.7, 111.7)        | 0.000041                 | (0.0000107, 0.0001116) |
| Jawa Tengah | Tuberculosis                                  | 50  | 21,918.2      | (17,492.9, 27,186.7) | 0.021773                 | (0.0173770, 0.0270064) | 11,384.6      | (8,941.0, 14,146.0)  | 0.011375                 | (0.0089331, 0.0141335) |
| Jawa Tengah | Maternal disorders                            | 50  |               |                      |                          |                        | 342.9         | (116.3, 795.9)       | 0.000343                 | (0.0001162, 0.0007952) |
| Jawa Tengah | Other communicable diseases                   | 50  | 8,846.0       | (6,726.1, 11,425.7)  | 0.008787                 | (0.0066815, 0.0113499) | 7,284.8       | (5,492.9, 9,448.4)   | 0.007278                 | (0.0054880, 0.0094401) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 50  | 3,145.3       | (2,124.2, 4,407.2)   | 0.003125                 | (0.0021102, 0.0043780) | 1,116.5       | (722.8, 1,663.8)     | 0.001116                 | (0.0007221, 0.0016624) |
| Jawa Tengah | Breast cancer                                 | 50  | 220.0         | (104.2, 411.5)       | 0.000219                 | (0.0001035, 0.0004088) | 10,495.6      | (7,974.6, 13,382.4)  | 0.010486                 | (0.0079675, 0.0133705) |
| Jawa Tengah | Cervical cancer                               | 50  |               |                      |                          |                        | 8,406.9       | (6,284.7, 11,017.9)  | 0.008399                 | (0.0062791, 0.0110082) |
| Jawa Tengah | Other malignant neoplasms                     | 50  | 17,571.7      | (13,795.2, 22,011.2) | 0.017455                 | (0.0137037, 0.0218653) | 9,448.6       | (7,194.2, 12,194.9)  | 0.009440                 | (0.0071878, 0.0121841) |
| Jawa Tengah | Cerebrovascular disease                       | 50  | 63,312.8      | (50,833.5, 77,206.4) | 0.062893                 | (0.0504965, 0.0766947) | 51,614.7      | (41,976.8, 62,960.1) | 0.051569                 | (0.0419397, 0.0629043) |
| Jawa Tengah | Ischemic heart disease                        | 50  | 49,293.1      | (39,648.7, 60,178.0) | 0.048966                 | (0.0393859, 0.0597792) | 24,133.1      | (19,322.1, 29,719.5) | 0.024112                 | (0.0193050, 0.0296932) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 50  | 12,537.9      | (9,826.6, 15,862.7)  | 0.012455                 | (0.0097615, 0.0157576) | 12,045.8      | (9,414.6, 15,456.6)  | 0.012035                 | (0.0094063, 0.0154430) |
| Jawa Tengah | Diabetes mellitus                             | 50  | 21,324.0      | (16,821.3, 26,764.6) | 0.021183                 | (0.0167098, 0.0265872) | 21,897.1      | (17,519.3, 27,330.8) | 0.021878                 | (0.0175038, 0.0273066) |
| Jawa Tengah | Chronic kidney disease                        | 50  | 12,200.4      | (9,626.1, 15,543.7)  | 0.012120                 | (0.0095623, 0.0154407) | 8,146.2       | (6,417.6, 10,333.8)  | 0.008139                 | (0.0064119, 0.0103246) |
| Jawa Tengah | Cirrhosis                                     | 50  | 20,948.5      | (16,533.8, 26,099.5) | 0.020810                 | (0.0164243, 0.0259265) | 10,979.4      | (8,473.6, 13,725.2)  | 0.010970                 | (0.0084661, 0.0137130) |
| Jawa Tengah | Chronic respiratory diseases                  | 50  | 13,648.0      | (10,670.5, 17,227.5) | 0.013558                 | (0.0105998, 0.0171133) | 7,577.1       | (5,920.9, 9,477.6)   | 0.007570                 | (0.0059156, 0.0094693) |
| Jawa Tengah | Other non-communicable diseases               | 50  | 18,373.7      | (14,598.9, 22,843.6) | 0.018252                 | (0.0145022, 0.0226922) | 14,950.6      | (11,839.5, 18,618.8) | 0.014937                 | (0.0118290, 0.0186023) |
| Jawa Tengah | Drowning                                      | 50  | 822.9         | (436.5, 1,399.7)     | 0.000817                 | (0.0004337, 0.0013904) | 386.0         | (190.9, 700.2)       | 0.000386                 | (0.0001908, 0.0006996) |
| Jawa Tengah | Falls                                         | 50  | 4,453.4       | (3,135.7, 6,347.6)   | 0.004424                 | (0.0031149, 0.0063056) | 2,340.3       | (1,622.3, 3,194.1)   | 0.002338                 | (0.0016209, 0.0031913) |
| Jawa Tengah | Interpersonal violence                        | 50  | 266.3         | (147.7, 456.3)       | 0.000265                 | (0.0001468, 0.0004532) | 135.3         | (70.2, 248.9)        | 0.000135                 | (0.0000701, 0.0002487) |
| Jawa Tengah | Self-harm                                     | 50  | 847.9         | (545.0, 1,269.6)     | 0.000842                 | (0.0005414, 0.0012612) | 333.5         | (200.4, 540.6)       | 0.000333                 | (0.0002002, 0.0005402) |
| Jawa Tengah | Transport injuries                            | 50  | 9,180.6       | (6,757.7, 11,828.3)  | 0.009120                 | (0.0067130, 0.0117499) | 3,072.6       | (2,247.3, 4,044.3)   | 0.003070                 | (0.0022453, 0.0040407) |
| Jawa Tengah | Other unintentional injuries                  | 50  | 3,178.4       | (2,246.6, 4,275.7)   | 0.003157                 | (0.0022318, 0.0042473) | 1,164.7       | (806.9, 1,604.8)     | 0.001164                 | (0.0008062, 0.0016034) |
| Jawa Tengah | Diarrheal diseases                            | 55  | 5,969.9       | (4,356.2, 7,920.8)   | 0.007483                 | (0.0054601, 0.0099280) | 6,189.4       | (4,662.3, 7,872.7)   | 0.008447                 | (0.0063626, 0.0107439) |
| Jawa Tengah | HIV/AIDS                                      | 55  | 165.6         | (68.0, 319.8)        | 0.000208                 | (0.0000852, 0.0004009) | 123.7         | (51.5, 233.9)        | 0.000169                 | (0.0000703, 0.0003192) |
| Jawa Tengah | Lower respiratory infections                  | 55  | 2,932.8       | (2,129.4, 3,991.3)   | 0.003676                 | (0.0026690, 0.0050028) | 2,178.4       | (1,611.3, 2,854.2)   | 0.002973                 | (0.0021990, 0.0038952) |
| Jawa Tengah | Malaria                                       | 55  | 70.7          | (18.7, 180.4)        | 0.000089                 | (0.0000234, 0.0002262) | 36.5          | (9.4, 97.1)          | 0.000050                 | (0.0000128, 0.0001325) |
| Jawa Tengah | Tuberculosis                                  | 55  | 18,862.8      | (14,690.8, 23,665.5) | 0.023643                 | (0.0184136, 0.0296627) | 9,254.7       | (7,294.5, 11,391.1)  | 0.012630                 | (0.0099548, 0.0155455) |
| Jawa Tengah | Other communicable diseases                   | 55  | 7,946.1       | (5,930.7, 10,284.5)  | 0.009960                 | (0.0074537, 0.0128908) | 6,293.3       | (4,757.3, 8,170.0)   | 0.008589                 | (0.0064922, 0.0111497) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 55  | 2,870.0       | (1,956.5, 4,003.9)   | 0.003597                 | (0.0024523, 0.0050186) | 875.9         | (577.9, 1,247.3)     | 0.001195                 | (0.0007886, 0.0017022) |
| Jawa Tengah | Breast cancer                                 | 55  | 178.9         | (87.8, 319.1)        | 0.000224                 | (0.0001101, 0.0004000) | 7,894.2       | (6,144.3, 10,029.4)  | 0.010773                 | (0.0083852, 0.0136871) |
| Jawa Tengah | Cervical cancer                               | 55  |               |                      |                          |                        | 5,383.1       | (4,010.8, 7,238.0)   | 0.007346                 | (0.0054736, 0.0098777) |
| Jawa Tengah | Other malignant neoplasms                     | 55  | 13,997.4      | (10,865.0, 17,600.9) | 0.017545                 | (0.0136184, 0.0220612) | 8,261.8       | (6,268.7, 10,508.9)  | 0.011275                 | (0.0085550, 0.0143415) |
| Jawa Tengah | Cerebrovascular disease                       | 55  | 71,751.1      | (56,907.3, 87,408.6) | 0.089934                 | (0.0713285, 0.1095592) | 56,332.6      | (46,016.5, 68,016.3) | 0.076877                 | (0.0627989, 0.0928220) |
| Jawa Tengah | Ischemic heart disease                        | 55  | 53,711.9      | (42,535.9, 65,419.7) | 0.067323                 | (0.0533151, 0.0819980) | 25,648.2      | (20,697.9, 31,028.1) | 0.035002                 | (0.0282464, 0.0423441) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 55  | 14,102.8      | (10,888.2, 17,955.6) | 0.017677                 | (0.0136474, 0.0225058) | 12,913.1      | (10,198.7, 16,326.4) | 0.017623                 | (0.0139182, 0.0222807) |
| Jawa Tengah | Diabetes mellitus                             | 55  | 22,550.5      | (17,543.1, 28,032.1) | 0.028265                 | (0.0219888, 0.0351358) | 22,170.9      | (17,933.3, 26,809.0) | 0.030257                 | (0.0244736, 0.0365863) |
| Jawa Tengah | Chronic kidney disease                        | 55  | 11,810.2      | (9,088.4, 15,087.6)  | 0.014803                 | (0.0113916, 0.0189110) | 7,512.2       | (5,870.4, 9,424.3)   | 0.010252                 | (0.0080114, 0.0128614) |
| Jawa Tengah | Cirrhosis                                     | 55  | 18,609.4      | (14,415.5, 23,329.0) | 0.023325                 | (0.0180687, 0.0292409) | 9,442.0       | (7,406.4, 11,742.0)  | 0.012886                 | (0.0101075, 0.0160243) |
| Jawa Tengah | Chronic respiratory diseases                  | 55  | 15,037.0      | (11,655.9, 18,875.8) | 0.018848                 | (0.0146097, 0.0236592) | 7,886.2       | (6,216.8, 9,803.7)   | 0.010762                 | (0.0084840, 0.0133791) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Tengah | Other non-communicable diseases               | 55  | 18,765.4      | (14,704.1, 23,413.1) | 0.023521                 | (0.0184304, 0.0293463) | 14,691.7      | (11,717.1, 18,107.4) | 0.020050                 | (0.0159904, 0.0247113) |
| Jawa Tengah | Drowning                                      | 55  | 539.0         | (267.4, 1,022.8)     | 0.000676                 | (0.0003351, 0.0012820) | 240.6         | (110.5, 462.0)       | 0.000328                 | (0.0001508, 0.0006304) |
| Jawa Tengah | Falls                                         | 55  | 4,336.2       | (3,035.2, 5,952.6)   | 0.005435                 | (0.0038044, 0.0074610) | 2,146.9       | (1,511.6, 2,916.7)   | 0.002930                 | (0.0020629, 0.0039804) |
| Jawa Tengah | Interpersonal violence                        | 55  | 194.5         | (101.5, 339.4)       | 0.000244                 | (0.0001272, 0.0004253) | 88.8          | (44.2, 163.9)        | 0.000121                 | (0.0000603, 0.0002237) |
| Jawa Tengah | Self-harm                                     | 55  | 711.3         | (445.7, 1,085.5)     | 0.000892                 | (0.0005586, 0.0013606) | 250.8         | (152.0, 399.7)       | 0.000342                 | (0.0002074, 0.0005455) |
| Jawa Tengah | Transport injuries                            | 55  | 5,586.2       | (4,038.8, 7,548.1)   | 0.007002                 | (0.0050623, 0.0094609) | 1,730.6       | (1,197.5, 2,341.6)   | 0.002362                 | (0.0016342, 0.0031956) |
| Jawa Tengah | Other unintentional injuries                  | 55  | 2,382.8       | (1,642.7, 3,335.9)   | 0.002987                 | (0.0020590, 0.0041813) | 802.6         | (556.7, 1,110.8)     | 0.001095                 | (0.0007597, 0.0015159) |
| Jawa Tengah | Diarrheal diseases                            | 60  | 6,196.6       | (4,572.7, 8,213.4)   | 0.011857                 | (0.0087493, 0.0157155) | 7,048.6       | (5,623.8, 8,818.0)   | 0.012321                 | (0.0098299, 0.0154132) |
| Jawa Tengah | HIV/AIDS                                      | 60  | 105.4         | (37.1, 200.6)        | 0.000202                 | (0.0000710, 0.0003837) | 88.6          | (32.2, 169.0)        | 0.000155                 | (0.0000563, 0.0002955) |
| Jawa Tengah | Lower respiratory infections                  | 60  | 3,576.8       | (2,640.4, 4,772.9)   | 0.006844                 | (0.0050521, 0.0091325) | 3,162.6       | (2,420.9, 4,075.4)   | 0.005528                 | (0.0042315, 0.0071234) |
| Jawa Tengah | Malaria                                       | 60  | 69.9          | (19.2, 178.9)        | 0.000134                 | (0.0000368, 0.0003424) | 37.5          | (9.8, 99.2)          | 0.000066                 | (0.0000171, 0.0001735) |
| Jawa Tengah | Tuberculosis                                  | 60  | 20,315.8      | (15,817.6, 25,230.1) | 0.038872                 | (0.0302654, 0.0482751) | 11,306.1      | (9,158.9, 13,574.0)  | 0.019762                 | (0.0160090, 0.0237263) |
| Jawa Tengah | Other communicable diseases                   | 60  | 5,872.5       | (4,234.6, 7,603.9)   | 0.011236                 | (0.0081025, 0.0145493) | 5,186.3       | (3,991.1, 6,655.9)   | 0.009065                 | (0.0069762, 0.0116341) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 60  | 2,817.8       | (1,916.1, 3,962.8)   | 0.005392                 | (0.0036663, 0.0075824) | 785.7         | (537.8, 1,102.9)     | 0.001373                 | (0.0009399, 0.0019278) |
| Jawa Tengah | Breast cancer                                 | 60  | 143.4         | (73.4, 255.5)        | 0.000274                 | (0.0001404, 0.0004890) | 5,780.3       | (4,505.6, 7,323.7)   | 0.010103                 | (0.0078755, 0.0128013) |
| Jawa Tengah | Cervical cancer                               | 60  |               |                      |                          |                        | 4,194.2       | (3,124.6, 5,512.0)   | 0.007331                 | (0.0054615, 0.0096345) |
| Jawa Tengah | Other malignant neoplasms                     | 60  | 12,142.3      | (9,359.1, 15,401.2)  | 0.023233                 | (0.0179076, 0.0294686) | 8,476.5       | (6,695.7, 10,516.2)  | 0.014816                 | (0.0117036, 0.0183816) |
| Jawa Tengah | Cerebrovascular disease                       | 60  | 71,666.3      | (56,575.8, 87,462.6) | 0.137126                 | (0.1082518, 0.1673505) | 62,805.8      | (52,389.0, 73,285.3) | 0.109780                 | (0.0915719, 0.1280969) |
| Jawa Tengah | Ischemic heart disease                        | 60  | 48,390.6      | (37,740.1, 59,391.2) | 0.092590                 | (0.0722117, 0.1136388) | 26,781.6      | (22,229.8, 31,618.4) | 0.046812                 | (0.0388560, 0.0552665) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 60  | 14,494.6      | (11,054.5, 18,349.3) | 0.027734                 | (0.0211515, 0.0351095) | 14,139.1      | (11,482.0, 17,033.9) | 0.024714                 | (0.0200697, 0.0297739) |
| Jawa Tengah | Diabetes mellitus                             | 60  | 18,655.4      | (14,445.9, 23,382.8) | 0.035695                 | (0.0276407, 0.0447405) | 20,230.1      | (16,731.2, 24,208.5) | 0.035361                 | (0.0292448, 0.0423146) |
| Jawa Tengah | Chronic kidney disease                        | 60  | 10,151.0      | (7,698.3, 13,080.2)  | 0.019423                 | (0.0147298, 0.0250275) | 6,998.7       | (5,598.5, 8,546.6)   | 0.012233                 | (0.0097858, 0.0149388) |
| Jawa Tengah | Cirrhosis                                     | 60  | 14,643.5      | (11,215.4, 18,497.4) | 0.028019                 | (0.0214595, 0.0353928) | 8,372.5       | (6,704.6, 10,226.8)  | 0.014634                 | (0.0117192, 0.0178757) |
| Jawa Tengah | Chronic respiratory diseases                  | 60  | 19,823.1      | (15,381.4, 25,010.2) | 0.037930                 | (0.0294307, 0.0478544) | 11,041.1      | (8,887.9, 13,254.9)  | 0.019299                 | (0.0155353, 0.0231686) |
| Jawa Tengah | Other non-communicable diseases               | 60  | 19,443.1      | (14,893.2, 24,171.1) | 0.037202                 | (0.0284966, 0.0462489) | 16,670.3      | (13,635.7, 19,889.4) | 0.029138                 | (0.0238341, 0.0347652) |
| Jawa Tengah | Drowning                                      | 60  | 342.9         | (149.9, 617.7)       | 0.000656                 | (0.0002867, 0.0011820) | 185.6         | (74.6, 354.4)        | 0.000324                 | (0.0001305, 0.0006194) |
| Jawa Tengah | Falls                                         | 60  | 3,160.6       | (2,183.4, 4,451.3)   | 0.006047                 | (0.0041778, 0.0085172) | 1,821.8       | (1,311.8, 2,431.6)   | 0.003184                 | (0.0022930, 0.0042503) |
| Jawa Tengah | Interpersonal violence                        | 60  | 122.1         | (59.4, 216.1)        | 0.000234                 | (0.0001136, 0.0004134) | 59.1          | (28.9, 113.7)        | 0.000103                 | (0.0000505, 0.0001988) |
| Jawa Tengah | Self-harm                                     | 60  | 511.2         | (314.7, 789.6)       | 0.000978                 | (0.0006021, 0.0015108) | 187.8         | (109.0, 298.9)       | 0.000328                 | (0.0001906, 0.0005224) |
| Jawa Tengah | Transport injuries                            | 60  | 4,093.5       | (2,849.2, 5,540.5)   | 0.007833                 | (0.0054517, 0.0106012) | 1,439.0       | (1,025.7, 1,951.1)   | 0.002515                 | (0.0017929, 0.0034104) |
| Jawa Tengah | Other unintentional injuries                  | 60  | 1,715.3       | (1,145.5, 2,489.2)   | 0.003282                 | (0.0021918, 0.0047628) | 638.0         | (435.1, 890.4)       | 0.001115                 | (0.0007605, 0.0015564) |
| Jawa Tengah | Diarrheal diseases                            | 65  | 9,240.6       | (6,870.0, 12,165.4)  | 0.021457                 | (0.0159520, 0.0282479) | 11,394.0      | (9,130.3, 13,635.8)  | 0.023042                 | (0.0184643, 0.0275759) |
| Jawa Tengah | HIV/AIDS                                      | 65  | 94.9          | (38.1, 181.6)        | 0.000220                 | (0.0000886, 0.0004218) | 85.1          | (35.9, 158.5)        | 0.000172                 | (0.0000727, 0.0003205) |
| Jawa Tengah | Lower respiratory infections                  | 65  | 3,978.8       | (2,905.9, 5,379.4)   | 0.009239                 | (0.0067474, 0.0124909) | 4,020.0       | (3,135.4, 5,069.8)   | 0.008130                 | (0.0063408, 0.0102526) |
| Jawa Tengah | Malaria                                       | 65  | 63.9          | (17.8, 163.1)        | 0.000148                 | (0.0000412, 0.0003788) | 32.8          | (8.6, 86.6)          | 0.000066                 | (0.0000175, 0.0001750) |
| Jawa Tengah | Tuberculosis                                  | 65  | 20,086.8      | (15,431.1, 25,160.1) | 0.046641                 | (0.0358310, 0.0584215) | 11,100.9      | (8,988.4, 13,433.6)  | 0.022449                 | (0.0181773, 0.0271670) |
| Jawa Tengah | Other communicable diseases                   | 65  | 5,161.2       | (3,647.3, 6,913.6)   | 0.011984                 | (0.0084691, 0.0160533) | 5,165.6       | (3,929.4, 6,584.7)   | 0.010446                 | (0.0079464, 0.0133163) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 65  | 2,373.2       | (1,580.5, 3,426.4)   | 0.005511                 | (0.0036700, 0.0079560) | 624.2         | (421.4, 896.6)       | 0.001262                 | (0.0008522, 0.0018131) |
| Jawa Tengah | Breast cancer                                 | 65  | 109.0         | (48.7, 210.3)        | 0.000253                 | (0.0001131, 0.0004884) | 3,888.1       | (2,931.8, 5,093.6)   | 0.007863                 | (0.0059289, 0.0103008) |
| Jawa Tengah | Cervical cancer                               | 65  |               |                      |                          |                        | 2,995.3       | (2,126.3, 4,053.8)   | 0.006057                 | (0.0043000, 0.0081981) |
| Jawa Tengah | Other malignant neoplasms                     | 65  | 9,247.6       | (6,929.6, 11,919.6)  | 0.021473                 | (0.0160905, 0.0276772) | 8,227.2       | (6,487.6, 10,147.2)  | 0.016638                 | (0.0131200, 0.0205209) |
| Jawa Tengah | Cerebrovascular disease                       | 65  | 73,257.0      | (56,838.4, 90,130.1) | 0.170102                 | (0.1319784, 0.2092815) | 71,711.8      | (59,828.2, 83,985.3) | 0.145024                 | (0.1209912, 0.1698444) |
| Jawa Tengah | Ischemic heart disease                        | 65  | 46,304.1      | (35,801.5, 57,332.8) | 0.107518                 | (0.0831308, 0.1331263) | 27,489.4      | (22,930.7, 32,125.9) | 0.055592                 | (0.0463729, 0.0649685) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 65  | 15,680.3      | (11,772.9, 20,048.3) | 0.036410                 | (0.0273367, 0.0465521) | 16,428.9      | (13,367.4, 19,484.9) | 0.033224                 | (0.0270330, 0.0394044) |
| Jawa Tengah | Diabetes mellitus                             | 65  | 14,670.6      | (11,094.7, 18,628.2) | 0.034065                 | (0.0257618, 0.0432545) | 17,302.9      | (14,318.4, 20,686.6) | 0.034992                 | (0.0289563, 0.0418348) |
| Jawa Tengah | Chronic kidney disease                        | 65  | 9,302.0       | (6,971.0, 12,084.1)  | 0.021599                 | (0.0161865, 0.0280592) | 6,728.0       | (5,352.4, 8,163.1)   | 0.013606                 | (0.0108242, 0.0165083) |
| Jawa Tengah | Cirrhosis                                     | 65  | 11,308.8      | (8,375.2, 14,399.0)  | 0.026259                 | (0.0194471, 0.0334345) | 7,451.8       | (6,027.1, 9,016.7)   | 0.015070                 | (0.0121887, 0.0182346) |
| Jawa Tengah | Chronic respiratory diseases                  | 65  | 21,571.1      | (16,515.2, 27,159.5) | 0.050088                 | (0.0383481, 0.0630641) | 12,917.4      | (10,553.5, 15,466.1) | 0.026123                 | (0.0213425, 0.0312773) |
| Jawa Tengah | Other non-communicable diseases               | 65  | 21,413.8      | (16,325.0, 26,891.7) | 0.049723                 | (0.0379066, 0.0624423) | 20,181.8      | (16,650.4, 24,102.5) | 0.040814                 | (0.0336722, 0.0487427) |
| Jawa Tengah | Drowning                                      | 65  | 260.0         | (113.7, 518.6)       | 0.000604                 | (0.0002640, 0.0012042) | 187.5         | (71.2, 377.0)        | 0.000379                 | (0.0001440, 0.0007623) |
| Jawa Tengah | Falls                                         | 65  | 3,065.2       | (2,101.8, 4,239.8)   | 0.007117                 | (0.0048803, 0.0098447) | 2,164.4       | (1,578.1, 2,918.2)   | 0.004377                 | (0.0031915, 0.0059015) |
| Jawa Tengah | Interpersonal violence                        | 65  | 87.2          | (38.7, 163.2)        | 0.000203                 | (0.0000899, 0.0003789) | 41.5          | (17.5, 83.1)         | 0.000084                 | (0.0000354, 0.0001681) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|-------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Tengah | Self-harm                                     | 65  | 418.8 (246.9, 660.3)          | 0.000972 (0.0005733, 0.0015331) | 144.8 (81.8, 245.8)           | 0.000293 (0.0001653, 0.0004972) |
| Jawa Tengah | Transport injuries                            | 65  | 3,143.7 (2,136.2, 4,370.9)    | 0.007300 (0.0049601, 0.0101491) | 1,272.2 (875.3, 1,738.3)      | 0.002573 (0.0017701, 0.0035154) |
| Jawa Tengah | Other unintentional injuries                  | 65  | 1,441.6 (958.5, 2,051.8)      | 0.003348 (0.0022255, 0.0047642) | 579.6 (401.4, 824.4)          | 0.001172 (0.0008117, 0.0016673) |
| Jawa Tengah | Diarrheal diseases                            | 70  | 11,992.4 (8,931.5, 15,234.4)  | 0.037532 (0.0279528, 0.0476787) | 15,745.5 (13,113.9, 18,477.2) | 0.038368 (0.0319554, 0.0450242) |
| Jawa Tengah | HIV/AIDS                                      | 70  | 117.4 (50.9, 238.5)           | 0.000367 (0.0001591, 0.0007464) | 115.9 (50.4, 238.0)           | 0.000282 (0.0001228, 0.0005798) |
| Jawa Tengah | Lower respiratory infections                  | 70  | 4,928.3 (3,565.8, 6,587.0)    | 0.015424 (0.0111599, 0.0206152) | 5,509.9 (4,314.0, 6,706.5)    | 0.013426 (0.0105121, 0.0163419) |
| Jawa Tengah | Malaria                                       | 70  | 50.6 (13.9, 130.9)            | 0.000158 (0.0000435, 0.0004097) | 28.5 (7.9, 77.5)              | 0.000069 (0.0000193, 0.0001888) |
| Jawa Tengah | Tuberculosis                                  | 70  | 18,535.0 (14,015.5, 23,377.9) | 0.058009 (0.0438640, 0.0731654) | 11,755.6 (9,781.8, 13,879.0)  | 0.028646 (0.0238359, 0.0338196) |
| Jawa Tengah | Other communicable diseases                   | 70  | 5,084.1 (3,626.1, 6,799.0)    | 0.015912 (0.0113484, 0.0212786) | 5,395.2 (4,200.5, 6,777.7)    | 0.013147 (0.0102356, 0.0165155) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 70  | 1,848.8 (1,212.5, 2,652.3)    | 0.005786 (0.0037948, 0.0083007) | 550.8 (365.3, 802.1)          | 0.001342 (0.0008902, 0.0019545) |
| Jawa Tengah | Breast cancer                                 | 70  | 67.1 (26.8, 135.1)            | 0.000210 (0.0000837, 0.0004227) | 2,463.1 (1,802.1, 3,244.4)    | 0.006002 (0.0043913, 0.0079057) |
| Jawa Tengah | Cervical cancer                               | 70  |                               |                                 | 1,773.3 (1,223.0, 2,432.3)    | 0.004321 (0.0029801, 0.0059268) |
| Jawa Tengah | Other malignant neoplasms                     | 70  | 6,392.9 (4,727.6, 8,239.3)    | 0.020008 (0.0147959, 0.0257864) | 7,059.2 (5,682.4, 8,544.4)    | 0.017202 (0.0138465, 0.0208204) |
| Jawa Tengah | Cerebrovascular disease                       | 70  | 69,691.7 (53,477.5, 85,513.3) | 0.218112 (0.1673670, 0.2676286) | 79,548.2 (68,127.8, 90,549.2) | 0.193839 (0.1660102, 0.2206455) |
| Jawa Tengah | Ischemic heart disease                        | 70  | 40,632.3 (31,015.7, 50,301.9) | 0.127166 (0.0970690, 0.1574287) | 29,740.5 (25,174.2, 34,162.2) | 0.072470 (0.0613431, 0.0832447) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 70  | 15,692.8 (11,706.9, 19,937.1) | 0.049113 (0.0366389, 0.0623968) | 18,859.3 (15,726.3, 22,157.9) | 0.045955 (0.0383211, 0.0539932) |
| Jawa Tengah | Diabetes mellitus                             | 70  | 9,933.5 (7,397.2, 12,525.5)   | 0.031089 (0.0231507, 0.0392007) | 13,869.8 (11,535.6, 16,469.3) | 0.033797 (0.0281094, 0.0401316) |
| Jawa Tengah | Chronic kidney disease                        | 70  | 7,286.7 (5,366.1, 9,513.5)    | 0.022805 (0.0167942, 0.0297742) | 6,236.1 (5,021.1, 7,555.6)    | 0.015196 (0.0122351, 0.0184111) |
| Jawa Tengah | Cirrhosis                                     | 70  | 8,944.3 (6,528.0, 11,418.3)   | 0.027993 (0.0204304, 0.0357355) | 6,838.1 (5,541.6, 8,199.2)    | 0.016663 (0.0135035, 0.0199795) |
| Jawa Tengah | Chronic respiratory diseases                  | 70  | 24,468.3 (18,440.8, 30,791.8) | 0.076578 (0.0577137, 0.0963682) | 16,547.9 (13,758.6, 19,383.9) | 0.040323 (0.0335262, 0.0472336) |
| Jawa Tengah | Other non-communicable diseases               | 70  | 21,841.4 (16,489.2, 27,284.1) | 0.068357 (0.0516059, 0.0853903) | 23,829.4 (19,938.4, 27,490.0) | 0.058066 (0.0485848, 0.0669862) |
| Jawa Tengah | Drowning                                      | 70  | 413.0 (217.2, 723.6)          | 0.001293 (0.0006798, 0.0022647) | 316.5 (155.8, 569.2)          | 0.000771 (0.0003798, 0.0013870) |
| Jawa Tengah | Falls                                         | 70  | 3,130.7 (2,114.3, 4,383.3)    | 0.009798 (0.0066172, 0.0137184) | 2,403.2 (1,800.4, 3,064.0)    | 0.005856 (0.0043872, 0.0074661) |
| Jawa Tengah | Interpersonal violence                        | 70  | 52.4 (21.5, 106.4)            | 0.000164 (0.0000673, 0.0003329) | 28.4 (10.4, 64.7)             | 0.000069 (0.0000253, 0.0001577) |
| Jawa Tengah | Self-harm                                     | 70  | 292.6 (163.6, 473.0)          | 0.000916 (0.0005119, 0.0014803) | 116.0 (62.1, 196.9)           | 0.000283 (0.0001512, 0.0004798) |
| Jawa Tengah | Transport injuries                            | 70  | 2,677.1 (1,813.4, 3,760.6)    | 0.008378 (0.0056753, 0.0117695) | 1,190.2 (826.4, 1,587.5)      | 0.002900 (0.0020138, 0.0038683) |
| Jawa Tengah | Other unintentional injuries                  | 70  | 1,226.5 (824.0, 1,757.1)      | 0.003839 (0.0025788, 0.0054993) | 549.8 (374.0, 792.8)          | 0.001340 (0.0009114, 0.0019319) |
| Jawa Tengah | Diarrheal diseases                            | 75  | 9,155.5 (6,738.7, 11,749.3)   | 0.047595 (0.0350313, 0.0610790) | 13,748.8 (11,321.3, 16,057.2) | 0.052775 (0.0434571, 0.0616357) |
| Jawa Tengah | HIV/AIDS                                      | 75  | 59.1 (24.9, 127.9)            | 0.000307 (0.0001294, 0.0006650) | 67.1 (31.1, 138.6)            | 0.000258 (0.0001193, 0.0005321) |
| Jawa Tengah | Lower respiratory infections                  | 75  | 3,368.8 (2,379.9, 4,531.2)    | 0.017513 (0.0123721, 0.0235555) | 4,304.7 (3,446.7, 5,264.7)    | 0.016524 (0.0132301, 0.0202087) |
| Jawa Tengah | Malaria                                       | 75  | 32.6 (8.6, 85.1)              | 0.000169 (0.0000447, 0.0004424) | 21.6 (5.7, 58.6)              | 0.000083 (0.0000220, 0.0002248) |
| Jawa Tengah | Tuberculosis                                  | 75  | 10,046.2 (7,311.0, 12,907.5)  | 0.052226 (0.0380065, 0.0670998) | 7,511.0 (6,177.6, 8,946.3)    | 0.028831 (0.0237129, 0.0343403) |
| Jawa Tengah | Other communicable diseases                   | 75  | 3,151.9 (2,205.2, 4,318.3)    | 0.016385 (0.0114636, 0.0224488) | 3,802.6 (2,955.1, 4,878.3)    | 0.014596 (0.0113431, 0.0187256) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer           | 75  | 993.9 (636.4, 1,472.0)        | 0.005167 (0.0033082, 0.0076522) | 324.7 (209.2, 471.5)          | 0.001246 (0.0008031, 0.0018098) |
| Jawa Tengah | Breast cancer                                 | 75  | 28.6 (9.9, 62.9)              | 0.000149 (0.0000515, 0.0003269) | 1,232.6 (839.9, 1,713.6)      | 0.004731 (0.0032241, 0.0065777) |
| Jawa Tengah | Cervical cancer                               | 75  |                               |                                 | 809.4 (518.0, 1,159.7)        | 0.003107 (0.0019883, 0.0044515) |
| Jawa Tengah | Other malignant neoplasms                     | 75  | 3,135.0 (2,259.3, 4,130.1)    | 0.016297 (0.0117452, 0.0214706) | 4,648.4 (3,788.2, 5,611.1)    | 0.017843 (0.0145412, 0.0215381) |
| Jawa Tengah | Cerebrovascular disease                       | 75  | 44,868.1 (33,426.6, 55,770.2) | 0.233248 (0.1737690, 0.2899222) | 62,319.4 (53,243.6, 70,815.2) | 0.239214 (0.2043764, 0.2718251) |
| Jawa Tengah | Ischemic heart disease                        | 75  | 27,920.9 (20,846.0, 35,139.3) | 0.145147 (0.1083684, 0.1826721) | 25,371.9 (21,497.4, 29,130.7) | 0.097391 (0.0825183, 0.1118187) |
| Jawa Tengah | Other cardiovascular and circulatory diseases | 75  | 10,346.0 (7,561.5, 13,249.6)  | 0.053784 (0.0393083, 0.0688783) | 15,155.8 (12,714.6, 17,811.2) | 0.058176 (0.0488053, 0.0683685) |
| Jawa Tengah | Diabetes mellitus                             | 75  | 5,319.0 (3,878.8, 6,971.1)    | 0.027651 (0.0201640, 0.0362395) | 9,107.4 (7,494.0, 10,912.5)   | 0.034959 (0.0287660, 0.0418876) |
| Jawa Tengah | Chronic kidney disease                        | 75  | 4,152.8 (2,998.0, 5,459.3)    | 0.021589 (0.0155853, 0.0283802) | 4,370.0 (3,542.3, 5,290.8)    | 0.016774 (0.0135972, 0.0203089) |
| Jawa Tengah | Cirrhosis                                     | 75  | 5,075.3 (3,623.0, 6,649.6)    | 0.026384 (0.0188343, 0.0345681) | 4,667.9 (3,809.3, 5,629.9)    | 0.017918 (0.0146221, 0.0216103) |
| Jawa Tengah | Chronic respiratory diseases                  | 75  | 15,504.0 (11,452.5, 19,865.2) | 0.080598 (0.0595359, 0.1032696) | 12,568.5 (10,491.2, 14,739.0) | 0.048245 (0.0402705, 0.0565759) |
| Jawa Tengah | Other non-communicable diseases               | 75  | 16,089.8 (11,903.7, 20,333.5) | 0.083643 (0.0618817, 0.1057040) | 21,333.2 (17,977.6, 24,516.4) | 0.081888 (0.0690074, 0.0941065) |
| Jawa Tengah | Drowning                                      | 75  | 364.7 (185.1, 656.5)          | 0.001896 (0.0009623, 0.0034128) | 304.6 (159.0, 531.6)          | 0.001169 (0.0006105, 0.0020406) |
| Jawa Tengah | Falls                                         | 75  | 2,343.2 (1,595.8, 3,308.6)    | 0.012181 (0.0082959, 0.0171997) | 2,007.4 (1,502.0, 2,609.9)    | 0.007705 (0.0057654, 0.0100183) |
| Jawa Tengah | Interpersonal violence                        | 75  | 24.2 (7.5, 61.8)              | 0.000126 (0.0000388, 0.0003212) | 15.2 (4.8, 37.5)              | 0.000058 (0.0000186, 0.0001439) |
| Jawa Tengah | Self-harm                                     | 75  | 162.9 (83.5, 280.1)           | 0.000847 (0.0004340, 0.0014560) | 75.9 (38.9, 133.1)            | 0.000291 (0.0001492, 0.0005109) |
| Jawa Tengah | Transport injuries                            | 75  | 1,227.3 (749.8, 1,846.4)      | 0.006380 (0.0038977, 0.0095985) | 614.5 (405.4, 878.2)          | 0.002359 (0.0015560, 0.0033712) |
| Jawa Tengah | Other unintentional injuries                  | 75  | 714.8 (454.3, 1,060.1)        | 0.003716 (0.0023617, 0.0055112) | 366.9 (248.3, 546.4)          | 0.001408 (0.0009531, 0.0020974) |
| Jawa Tengah | Diarrheal diseases                            | 80  | 15,787.9 (12,764.0, 18,816.2) | 0.115982 (0.0937671, 0.1382283) | 25,168.5 (22,277.9, 27,982.0) | 0.133528 (0.1181921, 0.1484542) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|-------------|----------------------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|             |                                                          |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Jawa Tengah | HIV/AIDS                                                 | 80  | 66.1          | (22.4, 163.4)          | 0.000486                 | (0.0001643, 0.0012006) | 82.9          | (28.1, 212.1)          | 0.000440                 | (0.0001491, 0.0011250) |
| Jawa Tengah | Lower respiratory infections                             | 80  | 4,231.8       | (3,252.8, 5,425.7)     | 0.031088                 | (0.0238957, 0.0398584) | 6,097.3       | (5,008.6, 7,322.2)     | 0.032349                 | (0.0265722, 0.0388469) |
| Jawa Tengah | Malaria                                                  | 80  | 36.2          | (9.1, 100.8)           | 0.000266                 | (0.0000669, 0.0007404) | 25.9          | (6.8, 72.8)            | 0.000137                 | (0.0000360, 0.0003860) |
| Jawa Tengah | Tuberculosis                                             | 80  | 9,780.8       | (7,801.3, 11,870.8)    | 0.071852                 | (0.0573100, 0.0872055) | 8,418.3       | (7,101.8, 9,801.5)     | 0.044662                 | (0.0376777, 0.0520005) |
| Jawa Tengah | Other communicable diseases                              | 80  | 3,731.8       | (2,818.6, 4,827.7)     | 0.027415                 | (0.0207061, 0.0354656) | 4,813.4       | (3,874.7, 5,964.4)     | 0.025537                 | (0.0205567, 0.0316432) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer                      | 80  | 815.8         | (517.4, 1,191.1)       | 0.005993                 | (0.0038012, 0.0087500) | 322.5         | (195.3, 490.9)         | 0.001711                 | (0.0010362, 0.0026046) |
| Jawa Tengah | Breast cancer                                            | 80  | 23.0          | (7.0, 54.9)            | 0.000169                 | (0.0000518, 0.0004032) | 949.5         | (563.0, 1,426.9)       | 0.005037                 | (0.0029868, 0.0075704) |
| Jawa Tengah | Cervical cancer                                          | 80  |               |                        |                          |                        | 601.8         | (310.0, 1,000.1)       | 0.003193                 | (0.0016444, 0.0053061) |
| Jawa Tengah | Other malignant neoplasms                                | 80  | 2,701.0       | (2,077.8, 3,417.9)     | 0.019842                 | (0.0152639, 0.0251089) | 4,357.4       | (3,481.9, 5,325.1)     | 0.023118                 | (0.0184727, 0.0282517) |
| Jawa Tengah | Cerebrovascular disease                                  | 80  | 47,404.7      | (39,109.7, 55,543.9)   | 0.348246                 | (0.2873096, 0.4080388) | 76,459.5      | (68,639.3, 83,430.0)   | 0.405644                 | (0.3641555, 0.4426253) |
| Jawa Tengah | Ischemic heart disease                                   | 80  | 26,681.0      | (21,897.7, 31,644.1)   | 0.196005                 | (0.1608656, 0.2324651) | 30,003.5      | (26,495.3, 33,352.0)   | 0.159179                 | (0.1405669, 0.1769439) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | 80  | 10,262.7      | (8,080.1, 12,717.9)    | 0.075393                 | (0.0593583, 0.0934285) | 16,962.4      | (14,584.3, 19,360.3)   | 0.089992                 | (0.0773748, 0.1027134) |
| Jawa Tengah | Diabetes mellitus                                        | 80  | 4,437.7       | (3,455.1, 5,577.5)     | 0.032601                 | (0.0253818, 0.0409738) | 8,836.2       | (7,495.8, 10,470.5)    | 0.046879                 | (0.0397681, 0.0555494) |
| Jawa Tengah | Chronic kidney disease                                   | 80  | 3,576.8       | (2,724.2, 4,598.9)     | 0.026276                 | (0.0200127, 0.0337850) | 4,371.7       | (3,518.6, 5,309.8)     | 0.023193                 | (0.0186676, 0.0281701) |
| Jawa Tengah | Cirrhosis                                                | 80  | 4,532.2       | (3,483.3, 5,671.8)     | 0.033295                 | (0.0255889, 0.0416661) | 4,812.3       | (3,916.2, 5,841.4)     | 0.025531                 | (0.0207768, 0.0309904) |
| Jawa Tengah | Chronic respiratory diseases                             | 80  | 16,632.8      | (13,376.0, 19,965.5)   | 0.122188                 | (0.0982633, 0.1466714) | 14,799.4      | (12,847.8, 16,919.3)   | 0.078516                 | (0.0681618, 0.0897629) |
| Jawa Tengah | Other non-communicable diseases                          | 80  | 18,769.3      | (15,346.9, 22,387.5)   | 0.137884                 | (0.1127423, 0.1644642) | 28,510.3      | (25,202.8, 31,926.0)   | 0.151257                 | (0.1337094, 0.1693786) |
| Jawa Tengah | Drowning                                                 | 80  | 355.8         | (168.0, 674.4)         | 0.002614                 | (0.0012344, 0.0049542) | 326.3         | (141.5, 614.0)         | 0.001731                 | (0.0007507, 0.0032576) |
| Jawa Tengah | Falls                                                    | 80  | 2,978.3       | (2,148.2, 3,915.0)     | 0.021879                 | (0.0157809, 0.0287606) | 2,817.2       | (2,165.1, 3,518.9)     | 0.014946                 | (0.0114867, 0.0186689) |
| Jawa Tengah | Interpersonal violence                                   | 80  | 17.7          | (3.5, 49.5)            | 0.000130                 | (0.0000258, 0.0003633) | 12.4          | (2.9, 35.1)            | 0.000066                 | (0.0000153, 0.0001862) |
| Jawa Tengah | Self-harm                                                | 80  | 142.6         | (68.3, 264.7)          | 0.001047                 | (0.0005014, 0.0019442) | 74.5          | (32.9, 140.2)          | 0.000395                 | (0.0001743, 0.0007437) |
| Jawa Tengah | Transport injuries                                       | 80  | 1,015.4       | (635.6, 1,485.5)       | 0.007460                 | (0.0046696, 0.0109126) | 565.4         | (340.8, 850.5)         | 0.003000                 | (0.0018083, 0.0045122) |
| Jawa Tengah | Other unintentional injuries                             | 80  | 640.4         | (381.2, 978.6)         | 0.004704                 | (0.0028007, 0.0071889) | 365.3         | (217.0, 562.2)         | 0.001938                 | (0.0011513, 0.0029825) |
| Jawa Tengah | Diarrheal diseases                                       | All | 142,678.7     | (115,106.2, 179,300.1) | 0.008236                 | (0.0066443, 0.0103498) | 155,417.2     | (128,520.0, 185,941.3) | 0.008878                 | (0.0073417, 0.0106219) |
| Jawa Tengah | HIV/AIDS                                                 | All | 22,083.4      | (14,827.2, 32,084.5)   | 0.001275                 | (0.0008559, 0.0018520) | 12,333.7      | (7,877.4, 18,436.7)    | 0.000705                 | (0.0004500, 0.0010532) |
| Jawa Tengah | Lower respiratory infections                             | All | 141,438.3     | (96,831.0, 193,222.6)  | 0.008164                 | (0.0055894, 0.0111535) | 97,914.3      | (70,767.2, 133,278.9)  | 0.005593                 | (0.0040426, 0.0076135) |
| Jawa Tengah | Malaria                                                  | All | 1,261.8       | (365.7, 3,055.2)       | 0.000073                 | (0.0000211, 0.0001764) | 658.6         | (186.8, 1,714.4)       | 0.000038                 | (0.0000107, 0.0000979) |
| Jawa Tengah | Tuberculosis                                             | All | 251,549.9     | (208,703.3, 304,165.4) | 0.014520                 | (0.0120471, 0.0175575) | 128,471.5     | (107,348.0, 153,536.8) | 0.007339                 | (0.0061322, 0.0087708) |
| Jawa Tengah | Maternal disorders                                       | All |               |                        |                          |                        | 26,216.8      | (19,459.9, 34,504.7)   | 0.001498                 | (0.0011116, 0.0019711) |
| Jawa Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | All | 176,336.4     | (89,612.6, 280,083.7)  | 0.010179                 | (0.0051727, 0.0161674) | 111,718.2     | (57,267.5, 189,181.5)  | 0.006382                 | (0.0032714, 0.0108070) |
| Jawa Tengah | Preterm birth complications                              | All | 171,919.0     | (85,750.5, 274,143.4)  | 0.009924                 | (0.0049498, 0.0158245) | 143,679.1     | (75,466.8, 237,497.1)  | 0.008208                 | (0.0043110, 0.0135670) |
| Jawa Tengah | Other neonatal disorders                                 | All | 37,408.3      | (14,777.6, 72,537.8)   | 0.002159                 | (0.0008530, 0.0041871) | 22,075.0      | (9,099.8, 45,605.9)    | 0.001261                 | (0.0005198, 0.0026052) |
| Jawa Tengah | Other communicable diseases                              | All | 222,036.4     | (177,782.8, 281,669.4) | 0.012817                 | (0.0102622, 0.0162589) | 150,329.6     | (119,203.6, 197,142.6) | 0.008588                 | (0.0068095, 0.0112617) |
| Jawa Tengah | Tracheal, bronchus, and lung cancer                      | All | 23,720.9      | (16,862.5, 31,818.4)   | 0.001369                 | (0.0009734, 0.0018367) | 8,225.8       | (5,790.7, 11,563.7)    | 0.000470                 | (0.0003308, 0.0006606) |
| Jawa Tengah | Breast cancer                                            | All | 1,646.4       | (865.6, 2,972.5)       | 0.000095                 | (0.0000500, 0.0001716) | 78,919.5      | (62,063.8, 98,236.1)   | 0.004508                 | (0.0035454, 0.0056117) |
| Jawa Tengah | Cervical cancer                                          | All |               |                        |                          |                        | 54,980.7      | (42,354.8, 71,584.3)   | 0.003141                 | (0.0024195, 0.0040892) |
| Jawa Tengah | Other malignant neoplasms                                | All | 173,733.6     | (144,469.8, 210,798.8) | 0.010029                 | (0.0083393, 0.0121680) | 121,341.7     | (99,055.1, 144,818.4)  | 0.006932                 | (0.0056585, 0.0082727) |
| Jawa Tengah | Cerebrovascular disease                                  | All | 573,799.9     | (462,751.8, 690,700.5) | 0.033122                 | (0.0267116, 0.0398696) | 561,759.3     | (477,324.5, 654,492.6) | 0.032090                 | (0.0272671, 0.0373878) |
| Jawa Tengah | Ischemic heart disease                                   | All | 419,896.4     | (340,752.4, 508,533.9) | 0.024238                 | (0.0196694, 0.0293543) | 249,788.9     | (209,624.2, 293,613.2) | 0.014269                 | (0.0119747, 0.0167726) |
| Jawa Tengah | Other cardiovascular and circulatory diseases            | All | 130,377.4     | (103,362.9, 160,070.6) | 0.007526                 | (0.0059665, 0.0092398) | 140,917.2     | (115,629.0, 167,595.8) | 0.008050                 | (0.0066053, 0.0095739) |
| Jawa Tengah | Diabetes mellitus                                        | All | 133,700.8     | (106,851.4, 165,559.0) | 0.007718                 | (0.0061678, 0.0095566) | 151,046.4     | (124,200.6, 181,390.3) | 0.008629                 | (0.0070949, 0.0103619) |
| Jawa Tengah | Chronic kidney disease                                   | All | 117,822.4     | (95,752.7, 145,244.6)  | 0.006801                 | (0.0055272, 0.0083840) | 85,492.6      | (69,543.8, 103,899.7)  | 0.004884                 | (0.0039727, 0.0059353) |
| Jawa Tengah | Cirrhosis                                                | All | 173,153.5     | (139,679.7, 210,573.7) | 0.009995                 | (0.0080628, 0.0121550) | 93,687.0      | (75,461.0, 114,856.9)  | 0.005352                 | (0.0043107, 0.0065612) |
| Jawa Tengah | Chronic respiratory diseases                             | All | 173,270.1     | (138,843.3, 213,128.9) | 0.010002                 | (0.0080145, 0.0123025) | 106,493.5     | (88,595.1, 125,955.6)  | 0.006083                 | (0.0050610, 0.0071952) |
| Jawa Tengah | Other non-communicable diseases                          | All | 378,067.7     | (302,700.4, 461,977.3) | 0.021823                 | (0.0174729, 0.0266669) | 343,109.6     | (279,098.8, 421,238.6) | 0.019600                 | (0.0159435, 0.0240632) |
| Jawa Tengah | Drowning                                                 | All | 49,700.1      | (36,537.2, 63,695.9)   | 0.002869                 | (0.0021091, 0.0036767) | 16,459.6      | (11,398.3, 22,868.7)   | 0.000940                 | (0.0006511, 0.0013064) |
| Jawa Tengah | Falls                                                    | All | 54,670.9      | (42,354.1, 69,414.4)   | 0.003156                 | (0.0024448, 0.0040068) | 28,092.5      | (21,669.4, 35,368.1)   | 0.001605                 | (0.0012379, 0.0020204) |
| Jawa Tengah | Interpersonal violence                                   | All | 6,897.0       | (4,329.3, 10,762.1)    | 0.000398                 | (0.0002499, 0.0006212) | 3,926.8       | (2,399.4, 6,100.3)     | 0.000224                 | (0.0001371, 0.0003485) |
| Jawa Tengah | Self-harm                                                | All | 15,040.9      | (10,600.8, 21,075.2)   | 0.000868                 | (0.0006119, 0.0012165) | 6,969.5       | (4,690.7, 10,028.9)    | 0.000398                 | (0.0002680, 0.0005729) |
| Jawa Tengah | Transport injuries                                       | All | 198,595.2     | (165,872.5, 243,857.2) | 0.011464                 | (0.0095747, 0.0140763) | 60,793.0      | (48,797.4, 73,069.7)   | 0.003473                 | (0.0027875, 0.0041741) |
| Jawa Tengah | Other unintentional injuries                             | All | 66,388.9      | (51,573.1, 85,917.5)   | 0.003832                 | (0.0029770, 0.0049595) | 23,644.0      | (17,630.9, 31,062.3)   | 0.001351                 | (0.0010072, 0.0017744) |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|---------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|               |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| DI Yogyakarta | Diarrheal diseases                                       | NN  | 773.4         | (281.5, 1,589.8)    | 0.330764                 | (0.1203785, 0.6799051) | 664.4         | (261.5, 1,388.4)    | 0.298996                 | (0.1176915, 0.6248342) |
| DI Yogyakarta | Lower respiratory infections                             | NN  | 3,419.0       | (1,437.6, 6,269.1)  | 1.462211                 | (0.6148390, 2.6811521) | 2,230.3       | (969.3, 4,239.3)    | 1.003708                 | (0.4362107, 1.9078250) |
| DI Yogyakarta | Malaria                                                  | NN  | 1.3           | (0.0, 6.4)          | 0.000577                 | (0.0000203, 0.0027187) | 0.8           | (0.0, 4.0)          | 0.000369                 | (0.0000128, 0.0017787) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 12,293.3      | (5,424.7, 22,046.8) | 5.257524                 | (2.3200040, 9.4288635) | 9,072.5       | (4,063.9, 16,432.6) | 4.082935                 | (1.8289120, 7.3952670) |
| DI Yogyakarta | Preterm birth complications                              | NN  | 12,653.8      | (5,440.1, 22,593.1) | 5.411740                 | (2.3265941, 9.6624928) | 11,865.0      | (5,541.0, 21,694.7) | 5.339674                 | (2.4936540, 9.7633781) |
| DI Yogyakarta | Other neonatal disorders                                 | NN  | 3,482.2       | (707.9, 9,228.8)    | 1.489250                 | (0.3027322, 3.9469111) | 2,418.3       | (470.4, 6,404.4)    | 1.088308                 | (0.2116927, 2.8821959) |
| DI Yogyakarta | Other communicable diseases                              | NN  | 468.8         | (170.7, 1,002.0)    | 0.200479                 | (0.0730245, 0.4285439) | 288.6         | (103.0, 625.4)      | 0.129894                 | (0.0463469, 0.2814320) |
| DI Yogyakarta | Other malignant neoplasms                                | NN  | 379.0         | (139.4, 778.6)      | 0.162097                 | (0.0596319, 0.3329749) | 329.9         | (126.3, 676.7)      | 0.148447                 | (0.0568409, 0.3045425) |
| DI Yogyakarta | Cerebrovascular disease                                  | NN  | 77.5          | (18.3, 201.4)       | 0.033139                 | (0.0078442, 0.0861136) | 86.9          | (22.7, 233.1)       | 0.039092                 | (0.0101962, 0.1048954) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | NN  | 82.4          | (18.2, 223.9)       | 0.035244                 | (0.0077628, 0.0957445) | 94.5          | (22.5, 270.5)       | 0.042517                 | (0.0101185, 0.1217274) |
| DI Yogyakarta | Diabetes mellitus                                        | NN  | 17.8          | (0.1, 141.9)        | 0.007602                 | (0.0000363, 0.0606830) | 21.2          | (0.1, 161.4)        | 0.009530                 | (0.0000542, 0.0726560) |
| DI Yogyakarta | Other non-communicable diseases                          | NN  | 5,621.4       | (2,751.7, 9,176.5)  | 2.404127                 | (1.1768240, 3.9245491) | 5,585.9       | (2,789.9, 9,333.4)  | 2.513843                 | (1.2555701, 4.2003522) |
| DI Yogyakarta | Drowning                                                 | NN  | 647.3         | (197.8, 1,433.1)    | 0.276839                 | (0.0846012, 0.6128939) | 203.0         | (61.4, 474.1)       | 0.091376                 | (0.0276387, 0.2133606) |
| DI Yogyakarta | Falls                                                    | NN  | 705.8         | (195.5, 1,702.9)    | 0.301860                 | (0.0835964, 0.7282686) | 302.6         | (83.0, 785.0)       | 0.136171                 | (0.0373453, 0.3532764) |
| DI Yogyakarta | Interpersonal violence                                   | NN  | 58.2          | (14.0, 157.4)       | 0.024912                 | (0.0059986, 0.0673306) | 41.6          | (9.4, 112.1)        | 0.018716                 | (0.0042334, 0.0504306) |
| DI Yogyakarta | Transport injuries                                       | NN  | 1,265.4       | (409.6, 2,794.6)    | 0.541166                 | (0.1751568, 1.1951920) | 399.5         | (134.3, 949.1)      | 0.179811                 | (0.0604479, 0.4271200) |
| DI Yogyakarta | Other unintentional injuries                             | NN  | 1,051.4       | (375.3, 2,163.4)    | 0.449638                 | (0.1605232, 0.9252374) | 429.8         | (148.9, 950.0)      | 0.193421                 | (0.0670165, 0.4275271) |
| DI Yogyakarta | Diarrheal diseases                                       | PNN | 175.7         | (80.4, 308.0)       | 0.006021                 | (0.0027557, 0.0105536) | 178.2         | (79.7, 317.9)       | 0.006426                 | (0.0028743, 0.0114606) |
| DI Yogyakarta | HIV/AIDS                                                 | PNN | 6.5           | (1.2, 18.6)         | 0.000222                 | (0.0000403, 0.0006362) | 4.9           | (0.8, 15.1)         | 0.000175                 | (0.0000300, 0.0005427) |
| DI Yogyakarta | Lower respiratory infections                             | PNN | 66.7          | (32.0, 118.0)       | 0.002286                 | (0.0010956, 0.0040423) | 49.5          | (21.7, 91.3)        | 0.001783                 | (0.0007828, 0.0032916) |
| DI Yogyakarta | Malaria                                                  | PNN | 0.3           | (0.0, 1.5)          | 0.000010                 | (0.0000004, 0.0000504) | 0.2           | (0.0, 1.0)          | 0.000008                 | (0.0000003, 0.0000371) |
| DI Yogyakarta | Tuberculosis                                             | PNN | 7.0           | (2.5, 16.2)         | 0.000241                 | (0.0000846, 0.0005539) | 5.4           | (1.7, 12.5)         | 0.000196                 | (0.0000625, 0.0004495) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 8.5           | (2.0, 22.5)         | 0.000291                 | (0.0000701, 0.0007715) | 6.7           | (1.6, 18.8)         | 0.000240                 | (0.0000560, 0.0006771) |
| DI Yogyakarta | Preterm birth complications                              | PNN | 25.1          | (7.3, 65.9)         | 0.000858                 | (0.0002500, 0.0022593) | 29.3          | (7.8, 77.6)         | 0.001058                 | (0.0002819, 0.0027965) |
| DI Yogyakarta | Other neonatal disorders                                 | PNN | 7.7           | (1.2, 24.9)         | 0.000264                 | (0.0000399, 0.0008543) | 6.0           | (0.8, 19.6)         | 0.000216                 | (0.0000298, 0.0007067) |
| DI Yogyakarta | Other communicable diseases                              | PNN | 118.9         | (53.1, 208.0)       | 0.004075                 | (0.0018196, 0.0071271) | 86.7          | (35.0, 161.0)       | 0.003128                 | (0.0012627, 0.0058039) |
| DI Yogyakarta | Other malignant neoplasms                                | PNN | 4.5           | (1.7, 9.1)          | 0.000155                 | (0.0000575, 0.0003109) | 4.4           | (1.6, 9.3)          | 0.000159                 | (0.0000576, 0.0003348) |
| DI Yogyakarta | Cerebrovascular disease                                  | PNN | 0.9           | (0.2, 2.5)          | 0.000032                 | (0.0000077, 0.0000840) | 1.2           | (0.3, 2.9)          | 0.000042                 | (0.0000115, 0.0001059) |
| DI Yogyakarta | Ischemic heart disease                                   | PNN | 0.4           | (0.0, 1.7)          | 0.000012                 | (0.0000008, 0.0000583) | 0.4           | (0.0, 2.2)          | 0.000015                 | (0.0000009, 0.0000793) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | PNN | 1.0           | (0.2, 2.6)          | 0.000034                 | (0.0000079, 0.0000903) | 1.3           | (0.3, 3.5)          | 0.000046                 | (0.0000104, 0.0001279) |
| DI Yogyakarta | Diabetes mellitus                                        | PNN | 0.2           | (0.0, 1.8)          | 0.000008                 | (0.0000000, 0.0000602) | 0.3           | (0.0, 2.3)          | 0.000010                 | (0.0000001, 0.0000825) |
| DI Yogyakarta | Chronic kidney disease                                   | PNN | 5.3           | (1.9, 11.9)         | 0.000181                 | (0.0000657, 0.0004074) | 4.5           | (1.5, 9.9)          | 0.000163                 | (0.0000548, 0.0003571) |
| DI Yogyakarta | Other non-communicable diseases                          | PNN | 66.9          | (32.2, 113.1)       | 0.002292                 | (0.0011021, 0.0038744) | 74.1          | (34.6, 129.7)       | 0.002672                 | (0.0012491, 0.0046770) |
| DI Yogyakarta | Drowning                                                 | PNN | 9.5           | (3.1, 21.7)         | 0.000325                 | (0.0001052, 0.0007427) | 3.3           | (1.1, 7.9)          | 0.000120                 | (0.0000402, 0.0002860) |
| DI Yogyakarta | Falls                                                    | PNN | 9.9           | (2.8, 24.1)         | 0.000339                 | (0.0000970, 0.0008270) | 4.7           | (1.3, 11.7)         | 0.000170                 | (0.0000473, 0.0004236) |
| DI Yogyakarta | Interpersonal violence                                   | PNN | 0.8           | (0.2, 2.2)          | 0.000027                 | (0.0000073, 0.0000739) | 0.6           | (0.2, 1.6)          | 0.000023                 | (0.0000055, 0.0000576) |
| DI Yogyakarta | Transport injuries                                       | PNN | 18.2          | (6.6, 37.6)         | 0.000622                 | (0.0002273, 0.0012899) | 6.4           | (2.2, 14.5)         | 0.000231                 | (0.0000787, 0.0005220) |
| DI Yogyakarta | Other unintentional injuries                             | PNN | 14.5          | (5.5, 30.5)         | 0.000497                 | (0.0001884, 0.0010462) | 6.6           | (2.5, 13.9)         | 0.000236                 | (0.0000890, 0.0005001) |
| DI Yogyakarta | Diarrheal diseases                                       | 1   | 1,816.1       | (603.9, 4,047.5)    | 0.015929                 | (0.0052973, 0.0355018) | 1,552.5       | (591.1, 3,124.3)    | 0.013896                 | (0.0052906, 0.0279657) |
| DI Yogyakarta | HIV/AIDS                                                 | 1   | 146.4         | (22.0, 486.9)       | 0.001284                 | (0.0001933, 0.0042708) | 92.6          | (14.3, 304.9)       | 0.000829                 | (0.0001282, 0.0027296) |
| DI Yogyakarta | Lower respiratory infections                             | 1   | 1,469.1       | (507.5, 3,137.2)    | 0.012886                 | (0.0044513, 0.0275168) | 923.1         | (363.5, 1,877.2)    | 0.008263                 | (0.0032536, 0.0168028) |
| DI Yogyakarta | Malaria                                                  | 1   | 2.5           | (0.1, 13.3)         | 0.000022                 | (0.0000009, 0.0001166) | 1.5           | (0.1, 7.5)          | 0.000014                 | (0.0000005, 0.0000673) |
| DI Yogyakarta | Tuberculosis                                             | 1   | 166.6         | (47.5, 413.2)       | 0.001462                 | (0.0004169, 0.0036239) | 109.2         | (34.3, 270.4)       | 0.000978                 | (0.0003067, 0.0024201) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 93.0          | (18.4, 285.6)       | 0.000816                 | (0.0001612, 0.0025047) | 58.3          | (11.8, 172.2)       | 0.000521                 | (0.0001053, 0.0015412) |
| DI Yogyakarta | Preterm birth complications                              | 1   | 53.7          | (6.8, 201.7)        | 0.000471                 | (0.0000595, 0.0017690) | 50.8          | (7.1, 192.5)        | 0.000455                 | (0.0000633, 0.0017229) |
| DI Yogyakarta | Other neonatal disorders                                 | 1   | 12.1          | (0.1, 91.4)         | 0.000106                 | (0.0000006, 0.0008016) | 7.5           | (0.0, 52.9)         | 0.000067                 | (0.0000004, 0.0004731) |
| DI Yogyakarta | Other communicable diseases                              | 1   | 2,670.0       | (948.9, 5,908.2)    | 0.023419                 | (0.0083228, 0.0518220) | 1,675.0       | (629.9, 3,397.3)    | 0.014993                 | (0.0056386, 0.0304095) |
| DI Yogyakarta | Other malignant neoplasms                                | 1   | 69.9          | (20.2, 165.2)       | 0.000613                 | (0.0001768, 0.0014491) | 59.7          | (19.3, 137.9)       | 0.000534                 | (0.0001728, 0.0012347) |
| DI Yogyakarta | Cerebrovascular disease                                  | 1   | 15.6          | (3.4, 44.6)         | 0.000137                 | (0.0000301, 0.0003914) | 17.0          | (3.8, 45.8)         | 0.000152                 | (0.0000342, 0.0004096) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                    |                                 | Females                |                                 |
|---------------|-----------------------------------------------|-----|--------------------------|---------------------------------|------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| DI Yogyakarta | Ischemic heart disease                        | 1   | 5.9 (0.3, 28.1)          | 0.000052 (0.0000031, 0.0002469) | 6.1 (0.3, 30.6)        | 0.000054 (0.0000031, 0.0002741) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 1   | 15.5 (3.0, 47.5)         | 0.000136 (0.0000264, 0.0004164) | 17.3 (3.9, 51.2)       | 0.000155 (0.0000348, 0.0004586) |
| DI Yogyakarta | Diabetes mellitus                             | 1   | 3.5 (0.0, 29.8)          | 0.000031 (0.0000001, 0.0002611) | 4.0 (0.0, 33.5)        | 0.000036 (0.0000002, 0.0003002) |
| DI Yogyakarta | Chronic kidney disease                        | 1   | 78.0 (21.9, 205.5)       | 0.000684 (0.0001923, 0.0018021) | 58.1 (18.0, 142.2)     | 0.000520 (0.0001610, 0.0012726) |
| DI Yogyakarta | Cirrhosis                                     | 1   | 90.2 (22.5, 240.9)       | 0.000791 (0.0001975, 0.0021129) | 46.2 (11.7, 119.1)     | 0.000413 (0.0001046, 0.0010658) |
| DI Yogyakarta | Chronic respiratory diseases                  | 1   | 149.1 (37.7, 385.2)      | 0.001308 (0.0003306, 0.0033787) | 54.4 (14.5, 137.1)     | 0.000487 (0.0001298, 0.0012268) |
| DI Yogyakarta | Other non-communicable diseases               | 1   | 1,027.5 (366.6, 2,241.0) | 0.009012 (0.0032159, 0.0196563) | 998.4 (397.1, 1,974.5) | 0.008937 (0.0035548, 0.0176740) |
| DI Yogyakarta | Drowning                                      | 1   | 521.1 (145.1, 1,295.2)   | 0.004571 (0.0012726, 0.0113603) | 164.1 (45.1, 391.5)    | 0.001469 (0.0004037, 0.0035041) |
| DI Yogyakarta | Falls                                         | 1   | 373.0 (98.5, 941.8)      | 0.003272 (0.0008636, 0.0082606) | 159.4 (39.5, 395.9)    | 0.001427 (0.0003534, 0.0035440) |
| DI Yogyakarta | Interpersonal violence                        | 1   | 25.0 (5.9, 69.6)         | 0.000219 (0.0000517, 0.0006104) | 17.7 (4.4, 50.1)       | 0.000158 (0.0000395, 0.0004481) |
| DI Yogyakarta | Transport injuries                            | 1   | 878.4 (268.9, 2,041.2)   | 0.007705 (0.0023583, 0.0179039) | 279.4 (90.8, 643.0)    | 0.002501 (0.0008124, 0.0057557) |
| DI Yogyakarta | Other unintentional injuries                  | 1   | 471.5 (145.2, 1,015.5)   | 0.004136 (0.0012738, 0.0089068) | 191.0 (64.2, 412.2)    | 0.001709 (0.0005748, 0.0036897) |
| DI Yogyakarta | Diarrheal diseases                            | 5   | 633.6 (383.2, 959.1)     | 0.004613 (0.0027901, 0.0069833) | 581.0 (384.4, 824.6)   | 0.004539 (0.0030028, 0.0064416) |
| DI Yogyakarta | HIV/AIDS                                      | 5   | 36.1 (5.6, 120.0)        | 0.000263 (0.0000407, 0.0008737) | 24.1 (3.9, 77.0)       | 0.000188 (0.0000306, 0.0006016) |
| DI Yogyakarta | Lower respiratory infections                  | 5   | 339.0 (199.4, 537.1)     | 0.002468 (0.0014520, 0.0039109) | 228.0 (135.5, 355.1)   | 0.001781 (0.0010588, 0.0027737) |
| DI Yogyakarta | Malaria                                       | 5   | 0.9 (0.0, 4.1)           | 0.000006 (0.0000003, 0.0000297) | 0.6 (0.0, 2.9)         | 0.000005 (0.0000002, 0.0000223) |
| DI Yogyakarta | Tuberculosis                                  | 5   | 55.9 (23.4, 113.1)       | 0.000407 (0.0001704, 0.0008233) | 39.1 (17.1, 77.2)      | 0.000305 (0.0001336, 0.0006031) |
| DI Yogyakarta | Other communicable diseases                   | 5   | 923.5 (623.2, 1,345.7)   | 0.006724 (0.0045376, 0.0097981) | 620.5 (414.7, 876.4)   | 0.004848 (0.0032395, 0.0068460) |
| DI Yogyakarta | Other malignant neoplasms                     | 5   | 227.4 (122.2, 369.3)     | 0.001656 (0.0008897, 0.0026885) | 213.7 (118.7, 330.2)   | 0.001669 (0.0009271, 0.0025795) |
| DI Yogyakarta | Cerebrovascular disease                       | 5   | 35.0 (15.7, 68.5)        | 0.000255 (0.0001142, 0.0004984) | 41.8 (19.8, 74.1)      | 0.000326 (0.0001549, 0.0005792) |
| DI Yogyakarta | Ischemic heart disease                        | 5   | 15.1 (5.4, 32.8)         | 0.000110 (0.0000396, 0.0002391) | 17.0 (6.2, 34.0)       | 0.000133 (0.0000483, 0.0002653) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 5   | 38.7 (14.5, 85.1)        | 0.000282 (0.0001053, 0.0006198) | 46.8 (20.1, 94.7)      | 0.000366 (0.0001568, 0.0007400) |
| DI Yogyakarta | Diabetes mellitus                             | 5   | 21.5 (7.5, 50.1)         | 0.000157 (0.0000545, 0.0003650) | 27.5 (10.4, 62.9)      | 0.000215 (0.0000810, 0.0004913) |
| DI Yogyakarta | Chronic kidney disease                        | 5   | 88.2 (41.6, 163.5)       | 0.000642 (0.0003029, 0.0011901) | 73.3 (35.4, 132.5)     | 0.000573 (0.0002765, 0.0010347) |
| DI Yogyakarta | Cirrhosis                                     | 5   | 130.4 (62.1, 225.6)      | 0.000949 (0.0004523, 0.0016426) | 73.9 (36.2, 131.7)     | 0.000577 (0.0002827, 0.0010290) |
| DI Yogyakarta | Chronic respiratory diseases                  | 5   | 64.1 (27.9, 127.7)       | 0.000467 (0.0002033, 0.0009295) | 25.7 (10.6, 52.4)      | 0.000201 (0.0000827, 0.0004095) |
| DI Yogyakarta | Other non-communicable diseases               | 5   | 502.3 (334.2, 736.1)     | 0.003657 (0.0024332, 0.0053599) | 537.0 (370.0, 741.1)   | 0.004195 (0.0028906, 0.0057891) |
| DI Yogyakarta | Drowning                                      | 5   | 865.8 (459.0, 1,435.4)   | 0.006304 (0.0033417, 0.0104512) | 395.3 (189.2, 665.7)   | 0.003088 (0.0014782, 0.0052000) |
| DI Yogyakarta | Falls                                         | 5   | 304.0 (133.6, 598.0)     | 0.002214 (0.0009725, 0.0043543) | 178.6 (76.7, 347.5)    | 0.001395 (0.0005991, 0.0027144) |
| DI Yogyakarta | Interpersonal violence                        | 5   | 9.4 (3.0, 22.8)          | 0.000068 (0.0000220, 0.0001659) | 8.9 (3.2, 21.0)        | 0.000070 (0.0000247, 0.0001641) |
| DI Yogyakarta | Transport injuries                            | 5   | 1,292.2 (790.6, 1,924.3) | 0.009409 (0.0057565, 0.0140109) | 612.5 (367.2, 921.9)   | 0.004784 (0.0028681, 0.0072016) |
| DI Yogyakarta | Other unintentional injuries                  | 5   | 204.5 (110.0, 354.4)     | 0.001489 (0.0008010, 0.0025806) | 113.6 (60.3, 197.8)    | 0.000887 (0.0004713, 0.0015453) |
| DI Yogyakarta | Diarrheal diseases                            | 10  | 374.1 (221.6, 601.0)     | 0.002665 (0.0015780, 0.0042806) | 326.2 (197.9, 503.2)   | 0.002437 (0.0014788, 0.0037595) |
| DI Yogyakarta | HIV/AIDS                                      | 10  | 42.6 (8.9, 120.2)        | 0.000304 (0.0000635, 0.0008560) | 28.1 (5.3, 77.8)       | 0.000210 (0.0000398, 0.0005813) |
| DI Yogyakarta | Lower respiratory infections                  | 10  | 243.5 (138.1, 395.2)     | 0.001734 (0.0009834, 0.0028146) | 154.5 (85.9, 250.0)    | 0.001155 (0.0006416, 0.0018681) |
| DI Yogyakarta | Malaria                                       | 10  | 2.2 (0.1, 9.2)           | 0.000016 (0.0000009, 0.0000659) | 1.4 (0.1, 6.3)         | 0.000011 (0.0000006, 0.0000471) |
| DI Yogyakarta | Tuberculosis                                  | 10  | 158.5 (80.3, 273.4)      | 0.001129 (0.0005719, 0.0019475) | 110.7 (56.6, 185.0)    | 0.000827 (0.0004230, 0.0013825) |
| DI Yogyakarta | Maternal disorders                            | 10  |                          |                                 | 16.8 (2.6, 46.5)       | 0.000126 (0.0000194, 0.0003474) |
| DI Yogyakarta | Other communicable diseases                   | 10  | 776.8 (533.0, 1,055.9)   | 0.005533 (0.0037958, 0.0075202) | 475.9 (321.4, 657.9)   | 0.003556 (0.0024012, 0.0049153) |
| DI Yogyakarta | Other malignant neoplasms                     | 10  | 377.8 (239.2, 546.0)     | 0.002690 (0.0017034, 0.0038884) | 354.2 (225.2, 496.8)   | 0.002647 (0.0016824, 0.0037119) |
| DI Yogyakarta | Cerebrovascular disease                       | 10  | 63.3 (35.2, 101.0)       | 0.000451 (0.0002509, 0.0007196) | 70.4 (39.3, 112.1)     | 0.000526 (0.0002937, 0.0008372) |
| DI Yogyakarta | Ischemic heart disease                        | 10  | 42.2 (21.4, 72.4)        | 0.000301 (0.0001527, 0.0005158) | 44.4 (22.8, 75.7)      | 0.000332 (0.0001706, 0.0005656) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 10  | 65.8 (32.5, 117.9)       | 0.000469 (0.0002313, 0.0008396) | 76.8 (39.8, 134.3)     | 0.000574 (0.0002976, 0.0010037) |
| DI Yogyakarta | Diabetes mellitus                             | 10  | 34.7 (17.6, 63.4)        | 0.000247 (0.0001252, 0.0004513) | 43.1 (21.7, 78.4)      | 0.000322 (0.0001622, 0.0005860) |
| DI Yogyakarta | Chronic kidney disease                        | 10  | 143.3 (84.1, 221.3)      | 0.001020 (0.0005988, 0.0015760) | 116.9 (67.0, 186.0)    | 0.000874 (0.0005007, 0.0013900) |
| DI Yogyakarta | Cirrhosis                                     | 10  | 162.8 (93.7, 249.8)      | 0.001160 (0.0006676, 0.0017791) | 87.2 (50.3, 138.5)     | 0.000651 (0.0003761, 0.0010347) |
| DI Yogyakarta | Chronic respiratory diseases                  | 10  | 151.1 (79.9, 255.8)      | 0.001076 (0.0005691, 0.0018219) | 63.6 (32.5, 115.0)     | 0.000475 (0.0002430, 0.0008592) |
| DI Yogyakarta | Other non-communicable diseases               | 10  | 656.9 (489.7, 872.7)     | 0.004679 (0.0034875, 0.0062154) | 659.4 (504.1, 867.9)   | 0.004927 (0.0037662, 0.0064840) |
| DI Yogyakarta | Drowning                                      | 10  | 427.3 (200.5, 735.6)     | 0.003044 (0.0014278, 0.0052392) | 152.4 (61.5, 294.1)    | 0.001139 (0.0004594, 0.0021972) |
| DI Yogyakarta | Falls                                         | 10  | 268.4 (122.9, 547.1)     | 0.001912 (0.0008751, 0.0038967) | 130.9 (55.4, 268.6)    | 0.000978 (0.0004136, 0.0020065) |
| DI Yogyakarta | Interpersonal violence                        | 10  | 16.8 (6.9, 34.4)         | 0.000120 (0.0000492, 0.0002450) | 14.6 (5.9, 29.7)       | 0.000109 (0.0000440, 0.0002218) |
| DI Yogyakarta | Self-harm                                     | 10  | 80.4 (30.3, 169.9)       | 0.000573 (0.0002155, 0.0012100) | 60.4 (22.2, 127.2)     | 0.000452 (0.0001655, 0.0009500) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DI Yogyakarta | Transport injuries                            | 10  | 1,917.5 (1,410.8, 2,506.2) | 0.013657 (0.0100481, 0.0178493) | 827.7 (568.2, 1,125.2)     | 0.006184 (0.0042455, 0.0084064) |
| DI Yogyakarta | Other unintentional injuries                  | 10  | 218.8 (129.9, 342.2)       | 0.001558 (0.0009251, 0.0024370) | 105.8 (60.1, 172.3)        | 0.000791 (0.0004490, 0.0012876) |
| DI Yogyakarta | Diarrheal diseases                            | 15  | 397.4 (206.5, 654.7)       | 0.002618 (0.0013606, 0.0043131) | 277.6 (154.4, 431.1)       | 0.001855 (0.0010312, 0.0028799) |
| DI Yogyakarta | HIV/AIDS                                      | 15  | 66.9 (10.9, 203.2)         | 0.000441 (0.0000718, 0.0013383) | 38.3 (6.1, 116.0)          | 0.000256 (0.0000405, 0.0007750) |
| DI Yogyakarta | Lower respiratory infections                  | 15  | 166.5 (77.0, 312.2)        | 0.001097 (0.0005075, 0.0020565) | 85.1 (39.4, 160.0)         | 0.000568 (0.0002632, 0.0010686) |
| DI Yogyakarta | Malaria                                       | 15  | 13.4 (0.8, 59.0)           | 0.000088 (0.0000056, 0.0003886) | 7.1 (0.4, 33.2)            | 0.000047 (0.0000025, 0.0002220) |
| DI Yogyakarta | Tuberculosis                                  | 15  | 576.3 (319.2, 903.1)       | 0.003796 (0.0021027, 0.0059491) | 308.9 (185.7, 475.6)       | 0.002063 (0.0012405, 0.0031773) |
| DI Yogyakarta | Maternal disorders                            | 15  |                            |                                 | 87.4 (40.1, 164.0)         | 0.000584 (0.0002681, 0.0010959) |
| DI Yogyakarta | Other communicable diseases                   | 15  | 902.9 (576.0, 1,331.0)     | 0.005948 (0.0037941, 0.0087679) | 434.9 (274.1, 631.6)       | 0.002905 (0.0018310, 0.0042191) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 15  | 213.5 (76.4, 427.6)        | 0.001407 (0.0005031, 0.0028165) | 68.4 (18.9, 160.4)         | 0.000457 (0.0001262, 0.0010713) |
| DI Yogyakarta | Breast cancer                                 | 15  | 3.2 (0.3, 11.6)            | 0.000021 (0.0000021, 0.0000761) | 73.6 (18.6, 185.2)         | 0.000492 (0.0001244, 0.0012373) |
| DI Yogyakarta | Cervical cancer                               | 15  |                            |                                 | 38.5 (7.3, 100.9)          | 0.000257 (0.0000487, 0.0006740) |
| DI Yogyakarta | Other malignant neoplasms                     | 15  | 841.8 (530.8, 1,244.0)     | 0.005546 (0.0034968, 0.0081950) | 772.0 (525.4, 1,081.8)     | 0.005157 (0.0035096, 0.0072265) |
| DI Yogyakarta | Cerebrovascular disease                       | 15  | 192.5 (106.6, 315.9)       | 0.001268 (0.0007020, 0.0020809) | 162.7 (90.8, 262.2)        | 0.001087 (0.0006064, 0.0017515) |
| DI Yogyakarta | Ischemic heart disease                        | 15  | 250.6 (138.3, 405.1)       | 0.001651 (0.0009110, 0.0026684) | 169.6 (95.3, 273.5)        | 0.001133 (0.0006369, 0.0018268) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 15  | 191.3 (95.5, 340.0)        | 0.001260 (0.0006293, 0.0022397) | 186.5 (86.7, 346.5)        | 0.001246 (0.0005791, 0.0023145) |
| DI Yogyakarta | Diabetes mellitus                             | 15  | 101.0 (48.3, 181.5)        | 0.000666 (0.0003181, 0.0011956) | 107.3 (52.1, 196.3)        | 0.000717 (0.0003482, 0.0013111) |
| DI Yogyakarta | Chronic kidney disease                        | 15  | 414.1 (223.3, 658.2)       | 0.002728 (0.0014711, 0.0043359) | 287.9 (161.3, 475.5)       | 0.001924 (0.0010775, 0.0031766) |
| DI Yogyakarta | Cirrhosis                                     | 15  | 303.7 (172.4, 512.3)       | 0.002001 (0.0011356, 0.0033745) | 140.4 (75.1, 244.2)        | 0.000938 (0.0005015, 0.0016311) |
| DI Yogyakarta | Chronic respiratory diseases                  | 15  | 225.8 (113.7, 383.4)       | 0.001488 (0.0007488, 0.0025256) | 102.8 (48.7, 184.9)        | 0.000687 (0.0003253, 0.0012350) |
| DI Yogyakarta | Other non-communicable diseases               | 15  | 1,357.1 (975.4, 1,790.9)   | 0.008940 (0.0064256, 0.0117974) | 1,077.5 (804.1, 1,379.9)   | 0.007198 (0.0053718, 0.0092181) |
| DI Yogyakarta | Drowning                                      | 15  | 179.3 (70.9, 376.8)        | 0.001181 (0.0004669, 0.0024820) | 52.0 (17.5, 122.4)         | 0.000347 (0.0001169, 0.0008179) |
| DI Yogyakarta | Falls                                         | 15  | 243.4 (101.3, 503.1)       | 0.001604 (0.0006671, 0.0033143) | 98.0 (36.4, 217.2)         | 0.000655 (0.0002432, 0.0014509) |
| DI Yogyakarta | Interpersonal violence                        | 15  | 70.0 (27.1, 147.0)         | 0.000461 (0.0001784, 0.0009685) | 49.7 (17.3, 109.6)         | 0.000332 (0.0001159, 0.0007321) |
| DI Yogyakarta | Self-harm                                     | 15  | 308.6 (132.6, 606.7)       | 0.002033 (0.0008735, 0.0039963) | 189.3 (72.1, 396.3)        | 0.001264 (0.0004817, 0.0026476) |
| DI Yogyakarta | Transport injuries                            | 15  | 5,857.6 (4,372.7, 7,385.8) | 0.038587 (0.0288047, 0.0486534) | 2,346.9 (1,831.1, 2,893.5) | 0.015678 (0.0122324, 0.0193297) |
| DI Yogyakarta | Other unintentional injuries                  | 15  | 434.7 (253.0, 702.8)       | 0.002863 (0.0016668, 0.0046293) | 171.5 (90.6, 289.2)        | 0.001145 (0.0006052, 0.0019320) |
| DI Yogyakarta | Diarrheal diseases                            | 20  | 459.7 (239.1, 797.0)       | 0.002827 (0.0014703, 0.0049004) | 315.3 (172.1, 516.8)       | 0.002032 (0.0011088, 0.0033294) |
| DI Yogyakarta | HIV/AIDS                                      | 20  | 273.7 (64.1, 747.7)        | 0.001683 (0.0003943, 0.0045968) | 139.8 (30.2, 384.2)        | 0.000901 (0.0001944, 0.0024753) |
| DI Yogyakarta | Lower respiratory infections                  | 20  | 187.2 (82.4, 353.1)        | 0.001151 (0.0005069, 0.0021710) | 76.1 (33.7, 143.5)         | 0.000491 (0.0002173, 0.0009244) |
| DI Yogyakarta | Malaria                                       | 20  | 21.8 (1.3, 97.3)           | 0.000134 (0.0000080, 0.0005984) | 11.8 (0.6, 58.6)           | 0.000076 (0.0000038, 0.0003779) |
| DI Yogyakarta | Tuberculosis                                  | 20  | 1,536.8 (950.8, 2,304.1)   | 0.009449 (0.0058459, 0.0141664) | 655.5 (395.8, 972.8)       | 0.004223 (0.0025502, 0.0062672) |
| DI Yogyakarta | Maternal disorders                            | 20  |                            |                                 | 99.8 (47.1, 187.6)         | 0.000643 (0.0003033, 0.0012088) |
| DI Yogyakarta | Other communicable diseases                   | 20  | 1,301.1 (833.9, 1,888.5)   | 0.008000 (0.0051270, 0.0116110) | 607.3 (395.6, 889.6)       | 0.003913 (0.0025489, 0.0057318) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 20  | 247.5 (76.4, 572.6)        | 0.001522 (0.0004696, 0.0035207) | 121.4 (31.5, 305.2)        | 0.000782 (0.0002031, 0.0019665) |
| DI Yogyakarta | Breast cancer                                 | 20  | 6.6 (1.1, 21.3)            | 0.000040 (0.0000070, 0.0001311) | 286.5 (115.2, 548.1)       | 0.001846 (0.0007425, 0.0035313) |
| DI Yogyakarta | Cervical cancer                               | 20  |                            |                                 | 89.8 (20.7, 227.2)         | 0.000578 (0.0001330, 0.0014635) |
| DI Yogyakarta | Other malignant neoplasms                     | 20  | 997.5 (585.3, 1,527.8)     | 0.006133 (0.0035985, 0.0093931) | 1,029.8 (679.1, 1,444.0)   | 0.006635 (0.0043751, 0.0093033) |
| DI Yogyakarta | Cerebrovascular disease                       | 20  | 439.8 (275.8, 666.4)       | 0.002704 (0.0016959, 0.0040972) | 279.9 (183.2, 423.9)       | 0.001803 (0.0011804, 0.0027309) |
| DI Yogyakarta | Ischemic heart disease                        | 20  | 575.0 (340.3, 887.8)       | 0.003535 (0.0020924, 0.0054582) | 235.8 (136.9, 369.8)       | 0.001519 (0.0008822, 0.0023827) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 20  | 362.5 (208.4, 597.5)       | 0.002229 (0.0012811, 0.0036738) | 307.9 (178.2, 498.2)       | 0.001983 (0.0011481, 0.0032097) |
| DI Yogyakarta | Diabetes mellitus                             | 20  | 120.2 (60.6, 205.8)        | 0.000739 (0.0003728, 0.0012656) | 113.8 (56.9, 197.5)        | 0.000733 (0.0003667, 0.0012726) |
| DI Yogyakarta | Chronic kidney disease                        | 20  | 801.0 (485.4, 1,187.0)     | 0.004925 (0.0029843, 0.0072979) | 500.5 (298.0, 783.3)       | 0.003225 (0.0019197, 0.0050468) |
| DI Yogyakarta | Cirrhosis                                     | 20  | 565.4 (316.4, 877.8)       | 0.003476 (0.0019453, 0.0053971) | 228.8 (130.3, 373.9)       | 0.001474 (0.0008395, 0.0024086) |
| DI Yogyakarta | Chronic respiratory diseases                  | 20  | 609.2 (343.9, 974.1)       | 0.003745 (0.0021145, 0.0059890) | 290.1 (155.1, 481.1)       | 0.001869 (0.0009994, 0.0030998) |
| DI Yogyakarta | Other non-communicable diseases               | 20  | 1,606.8 (1,105.3, 2,172.1) | 0.009879 (0.0067954, 0.0133546) | 1,040.1 (746.2, 1,398.2)   | 0.006701 (0.0048072, 0.0090083) |
| DI Yogyakarta | Drowning                                      | 20  | 134.8 (46.8, 293.5)        | 0.000829 (0.0002880, 0.0018044) | 29.4 (8.3, 74.5)           | 0.000190 (0.0000536, 0.0004797) |
| DI Yogyakarta | Falls                                         | 20  | 263.1 (103.4, 545.7)       | 0.001618 (0.0006358, 0.0033552) | 81.6 (27.6, 186.6)         | 0.000526 (0.0001777, 0.0012019) |
| DI Yogyakarta | Interpersonal violence                        | 20  | 109.0 (40.2, 235.6)        | 0.000670 (0.0002475, 0.0014485) | 63.9 (20.4, 148.5)         | 0.000412 (0.0001316, 0.0009566) |
| DI Yogyakarta | Self-harm                                     | 20  | 421.7 (165.3, 827.8)       | 0.002593 (0.0010161, 0.0050895) | 214.5 (77.6, 469.3)        | 0.001382 (0.0005001, 0.0030238) |
| DI Yogyakarta | Transport injuries                            | 20  | 5,807.0 (4,161.5, 7,770.9) | 0.035703 (0.0255862, 0.0477780) | 1,668.2 (1,192.6, 2,222.2) | 0.010748 (0.0076833, 0.0143170) |
| DI Yogyakarta | Other unintentional injuries                  | 20  | 580.7 (325.8, 972.8)       | 0.003570 (0.0020034, 0.0059809) | 182.7 (89.5, 309.8)        | 0.001177 (0.0005768, 0.0019959) |



Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|---------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| DI Yogyakarta | Diarrheal diseases                            | 25  | 561.4 (314.0, 939.2)       | 0.003700 (0.0020691, 0.0061900) | 408.8 (225.8, 655.5)     | 0.002787 (0.0015389, 0.0044678) |
| DI Yogyakarta | HIV/AIDS                                      | 25  | 433.0 (102.3, 1,054.1)     | 0.002854 (0.0006742, 0.0069471) | 235.5 (58.8, 555.7)      | 0.001605 (0.0004009, 0.0037877) |
| DI Yogyakarta | Lower respiratory infections                  | 25  | 170.8 (76.0, 318.9)        | 0.001126 (0.0005010, 0.0021015) | 75.7 (32.3, 145.7)       | 0.000516 (0.0002201, 0.0009930) |
| DI Yogyakarta | Malaria                                       | 25  | 19.4 (1.1, 81.6)           | 0.000128 (0.0000071, 0.0005380) | 10.4 (0.5, 49.0)         | 0.000071 (0.0000036, 0.0003337) |
| DI Yogyakarta | Tuberculosis                                  | 25  | 1,778.4 (1,091.1, 2,592.1) | 0.011721 (0.0071907, 0.0170827) | 768.5 (433.6, 1,208.2)   | 0.005238 (0.0029549, 0.0082342) |
| DI Yogyakarta | Maternal disorders                            | 25  |                            |                                 | 182.5 (89.1, 336.4)      | 0.001244 (0.0006071, 0.0022931) |
| DI Yogyakarta | Other communicable diseases                   | 25  | 1,203.3 (778.6, 1,745.3)   | 0.007930 (0.0051315, 0.0115020) | 608.1 (351.6, 904.3)     | 0.004145 (0.0023963, 0.0061632) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 25  | 315.3 (94.1, 699.4)        | 0.002078 (0.0006201, 0.0046093) | 150.4 (43.1, 360.8)      | 0.001025 (0.0002940, 0.0024592) |
| DI Yogyakarta | Breast cancer                                 | 25  | 6.2 (1.4, 17.9)            | 0.000041 (0.0000091, 0.0001177) | 527.0 (269.5, 898.6)     | 0.003592 (0.0018365, 0.0061244) |
| DI Yogyakarta | Cervical cancer                               | 25  |                            |                                 | 168.2 (47.3, 379.1)      | 0.001146 (0.0003225, 0.0025836) |
| DI Yogyakarta | Other malignant neoplasms                     | 25  | 1,152.0 (749.5, 1,654.3)   | 0.007592 (0.0049394, 0.0109022) | 1,086.3 (674.1, 1,572.4) | 0.007404 (0.0045942, 0.0107168) |
| DI Yogyakarta | Cerebrovascular disease                       | 25  | 694.9 (488.2, 964.1)       | 0.004580 (0.0032176, 0.0063539) | 463.5 (314.1, 668.9)     | 0.003159 (0.0021410, 0.0045591) |
| DI Yogyakarta | Ischemic heart disease                        | 25  | 943.9 (619.7, 1,372.8)     | 0.006221 (0.0040842, 0.0090470) | 380.3 (231.4, 584.0)     | 0.002592 (0.0015772, 0.0039805) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 25  | 420.8 (263.9, 653.9)       | 0.002773 (0.0017393, 0.0043093) | 378.4 (220.5, 600.6)     | 0.002579 (0.0015029, 0.0040931) |
| DI Yogyakarta | Diabetes mellitus                             | 25  | 174.6 (104.1, 272.2)       | 0.001151 (0.0006863, 0.0017940) | 169.6 (95.7, 270.0)      | 0.001156 (0.0006524, 0.0018400) |
| DI Yogyakarta | Chronic kidney disease                        | 25  | 778.9 (500.4, 1,139.0)     | 0.005133 (0.0032977, 0.0075067) | 493.8 (298.5, 778.4)     | 0.003365 (0.0020343, 0.0053049) |
| DI Yogyakarta | Cirrhosis                                     | 25  | 689.0 (420.8, 1,050.8)     | 0.004541 (0.0027733, 0.0069251) | 296.9 (168.5, 475.8)     | 0.002024 (0.0011483, 0.0032430) |
| DI Yogyakarta | Chronic respiratory diseases                  | 25  | 630.0 (365.0, 992.0)       | 0.004152 (0.0024057, 0.0065379) | 326.9 (176.2, 546.9)     | 0.002228 (0.0012007, 0.0037275) |
| DI Yogyakarta | Other non-communicable diseases               | 25  | 1,648.5 (1,173.3, 2,178.5) | 0.010865 (0.0077328, 0.0143574) | 1,128.6 (792.1, 1,523.1) | 0.007692 (0.0053985, 0.0103807) |
| DI Yogyakarta | Drowning                                      | 25  | 83.5 (30.8, 190.5)         | 0.000550 (0.0002029, 0.0012556) | 20.7 (6.5, 49.3)         | 0.000141 (0.0000443, 0.0003360) |
| DI Yogyakarta | Falls                                         | 25  | 349.5 (147.1, 693.5)       | 0.002303 (0.0009693, 0.0045705) | 120.7 (44.7, 262.0)      | 0.000822 (0.0003045, 0.0017860) |
| DI Yogyakarta | Interpersonal violence                        | 25  | 96.6 (34.8, 205.6)         | 0.000637 (0.0002292, 0.0013549) | 56.5 (18.7, 130.3)       | 0.000385 (0.0001274, 0.0008884) |
| DI Yogyakarta | Self-harm                                     | 25  | 343.6 (141.3, 671.3)       | 0.002264 (0.0009313, 0.0044240) | 171.6 (62.8, 358.8)      | 0.001170 (0.0004281, 0.0024454) |
| DI Yogyakarta | Transport injuries                            | 25  | 3,815.2 (2,687.3, 5,219.8) | 0.025144 (0.0177105, 0.0344005) | 1,077.3 (661.5, 1,603.6) | 0.007342 (0.0045088, 0.0109295) |
| DI Yogyakarta | Other unintentional injuries                  | 25  | 626.9 (361.7, 1,001.8)     | 0.004132 (0.0023838, 0.0066021) | 207.2 (101.7, 357.5)     | 0.001412 (0.0006931, 0.0024366) |
| DI Yogyakarta | Diarrheal diseases                            | 30  | 560.1 (319.5, 912.9)       | 0.003953 (0.0022545, 0.0064423) | 386.6 (207.9, 629.2)     | 0.002768 (0.0014881, 0.0045040) |
| DI Yogyakarta | HIV/AIDS                                      | 30  | 358.6 (90.5, 835.4)        | 0.002531 (0.0006389, 0.0058954) | 220.0 (55.7, 498.2)      | 0.001575 (0.0003990, 0.0035667) |
| DI Yogyakarta | Lower respiratory infections                  | 30  | 131.5 (58.3, 243.5)        | 0.000928 (0.0004116, 0.0017187) | 66.0 (27.9, 127.6)       | 0.000473 (0.0002000, 0.0009134) |
| DI Yogyakarta | Malaria                                       | 30  | 14.0 (0.8, 65.6)           | 0.000099 (0.0000056, 0.0004629) | 7.0 (0.4, 32.2)          | 0.000050 (0.0000026, 0.0002304) |
| DI Yogyakarta | Tuberculosis                                  | 30  | 1,419.4 (855.1, 2,087.4)   | 0.010017 (0.0060348, 0.0147313) | 683.8 (370.9, 1,069.6)   | 0.004895 (0.0026550, 0.0076567) |
| DI Yogyakarta | Maternal disorders                            | 30  |                            |                                 | 370.9 (187.4, 652.3)     | 0.002655 (0.0013412, 0.0046694) |
| DI Yogyakarta | Other communicable diseases                   | 30  | 765.1 (453.4, 1,171.4)     | 0.005399 (0.0031999, 0.0082671) | 366.5 (197.9, 588.2)     | 0.002624 (0.0014164, 0.0042106) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 30  | 624.3 (222.9, 1,218.2)     | 0.004406 (0.0015729, 0.0085976) | 171.0 (51.4, 393.9)      | 0.001224 (0.0003682, 0.0028200) |
| DI Yogyakarta | Breast cancer                                 | 30  | 6.8 (1.5, 20.2)            | 0.000048 (0.0000107, 0.0001427) | 836.6 (453.0, 1,375.3)   | 0.005989 (0.0032428, 0.0098450) |
| DI Yogyakarta | Cervical cancer                               | 30  |                            |                                 | 300.2 (87.1, 640.1)      | 0.002149 (0.0006238, 0.0045820) |
| DI Yogyakarta | Other malignant neoplasms                     | 30  | 1,263.3 (849.1, 1,800.1)   | 0.008915 (0.0059922, 0.0127037) | 1,149.1 (680.5, 1,724.1) | 0.008226 (0.0048712, 0.0123420) |
| DI Yogyakarta | Cerebrovascular disease                       | 30  | 982.0 (715.7, 1,364.6)     | 0.006931 (0.0050508, 0.0096304) | 770.0 (516.0, 1,099.6)   | 0.005512 (0.0036938, 0.0078717) |
| DI Yogyakarta | Ischemic heart disease                        | 30  | 1,224.1 (834.4, 1,762.8)   | 0.008639 (0.0058885, 0.0124406) | 574.5 (347.3, 874.6)     | 0.004113 (0.0024858, 0.0062606) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 30  | 451.4 (294.9, 707.4)       | 0.003186 (0.0020815, 0.0049921) | 480.9 (283.5, 747.0)     | 0.003443 (0.0020294, 0.0053473) |
| DI Yogyakarta | Diabetes mellitus                             | 30  | 249.4 (159.5, 370.3)       | 0.001760 (0.0011259, 0.0026135) | 280.2 (168.1, 438.5)     | 0.002006 (0.0012032, 0.0031389) |
| DI Yogyakarta | Chronic kidney disease                        | 30  | 731.1 (484.0, 1,075.8)     | 0.005159 (0.0034159, 0.0075923) | 536.6 (322.0, 838.1)     | 0.003841 (0.0023050, 0.0059995) |
| DI Yogyakarta | Cirrhosis                                     | 30  | 790.7 (490.6, 1,179.8)     | 0.005580 (0.0034621, 0.0083263) | 398.6 (225.0, 634.7)     | 0.002854 (0.0016109, 0.0045438) |
| DI Yogyakarta | Chronic respiratory diseases                  | 30  | 482.6 (267.2, 772.0)       | 0.003406 (0.0018855, 0.0054486) | 338.0 (181.1, 551.6)     | 0.002420 (0.0012963, 0.0039486) |
| DI Yogyakarta | Other non-communicable diseases               | 30  | 1,522.1 (1,108.9, 2,078.5) | 0.010742 (0.0078261, 0.0146689) | 1,234.1 (835.4, 1,712.5) | 0.008834 (0.0059805, 0.0122589) |
| DI Yogyakarta | Drowning                                      | 30  | 90.1 (32.6, 209.5)         | 0.000636 (0.0002304, 0.0014782) | 26.7 (8.2, 65.1)         | 0.000191 (0.0000587, 0.0004658) |
| DI Yogyakarta | Falls                                         | 30  | 390.5 (174.9, 783.3)       | 0.002756 (0.0012343, 0.0055277) | 159.3 (60.6, 353.6)      | 0.001140 (0.0004339, 0.0025310) |
| DI Yogyakarta | Interpersonal violence                        | 30  | 67.1 (24.3, 141.8)         | 0.000474 (0.0001713, 0.0010008) | 45.6 (15.2, 104.3)       | 0.000326 (0.0001087, 0.0007463) |
| DI Yogyakarta | Self-harm                                     | 30  | 233.4 (98.0, 475.1)        | 0.001648 (0.0006916, 0.0033529) | 135.4 (48.7, 291.4)      | 0.000969 (0.0003489, 0.0020858) |
| DI Yogyakarta | Transport injuries                            | 30  | 3,082.0 (2,130.0, 4,239.5) | 0.021751 (0.0150323, 0.0299192) | 1,002.6 (598.9, 1,518.9) | 0.007177 (0.0042872, 0.0108729) |
| DI Yogyakarta | Other unintentional injuries                  | 30  | 525.7 (311.2, 831.8)       | 0.003710 (0.0021966, 0.0058704) | 203.2 (102.2, 349.0)     | 0.001454 (0.0007315, 0.0024980) |
| DI Yogyakarta | Diarrheal diseases                            | 35  | 449.7 (252.8, 761.5)       | 0.003329 (0.0018708, 0.0056367) | 434.0 (236.0, 737.2)     | 0.003169 (0.0017228, 0.0053819) |
| DI Yogyakarta | HIV/AIDS                                      | 35  | 328.3 (79.8, 783.1)        | 0.002430 (0.0005903, 0.0057960) | 227.2 (55.6, 531.0)      | 0.001659 (0.0004060, 0.0038765) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DI Yogyakarta | Lower respiratory infections                  | 35  | 141.9 (66.0, 262.5)        | 0.001050 (0.0004887, 0.0019431) | 89.8 (38.9, 171.9)         | 0.000656 (0.0002837, 0.0012548) |
| DI Yogyakarta | Malaria                                       | 35  | 11.0 (0.6, 50.4)           | 0.000082 (0.0000048, 0.0003731) | 6.7 (0.4, 28.7)            | 0.000049 (0.0000026, 0.0002093) |
| DI Yogyakarta | Tuberculosis                                  | 35  | 1,462.5 (910.0, 2,093.3)   | 0.010825 (0.0067358, 0.0154941) | 784.2 (446.0, 1,210.2)     | 0.005725 (0.0032562, 0.0088349) |
| DI Yogyakarta | Maternal disorders                            | 35  |                            |                                 | 408.9 (218.3, 690.9)       | 0.002985 (0.0015935, 0.0050441) |
| DI Yogyakarta | Other communicable diseases                   | 35  | 625.7 (376.7, 954.7)       | 0.004631 (0.0027881, 0.0070667) | 435.8 (244.1, 705.9)       | 0.003182 (0.0017820, 0.0051535) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 35  | 310.3 (102.5, 695.5)       | 0.002297 (0.0007589, 0.0051478) | 235.4 (82.8, 512.9)        | 0.001719 (0.0006044, 0.0037447) |
| DI Yogyakarta | Breast cancer                                 | 35  | 17.9 (5.2, 46.3)           | 0.000132 (0.0000383, 0.0003430) | 1,254.4 (687.1, 2,015.3)   | 0.009158 (0.0050165, 0.0147127) |
| DI Yogyakarta | Cervical cancer                               | 35  |                            |                                 | 615.3 (210.5, 1,178.9)     | 0.004492 (0.0015366, 0.0086065) |
| DI Yogyakarta | Other malignant neoplasms                     | 35  | 1,995.8 (1,364.0, 2,786.9) | 0.014772 (0.0100958, 0.0206275) | 1,349.2 (778.7, 2,107.7)   | 0.009850 (0.0056848, 0.0153873) |
| DI Yogyakarta | Cerebrovascular disease                       | 35  | 1,568.9 (1,183.9, 2,110.2) | 0.011613 (0.0087630, 0.0156187) | 1,450.8 (1,001.0, 2,010.2) | 0.010592 (0.0073080, 0.0146755) |
| DI Yogyakarta | Ischemic heart disease                        | 35  | 1,609.7 (1,126.0, 2,281.0) | 0.011915 (0.0083343, 0.0168830) | 937.3 (600.2, 1,399.2)     | 0.006843 (0.0043820, 0.0102152) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 35  | 612.2 (400.2, 934.9)       | 0.004531 (0.0029624, 0.0069199) | 696.6 (418.4, 1,086.9)     | 0.005086 (0.0030545, 0.0079349) |
| DI Yogyakarta | Diabetes mellitus                             | 35  | 469.4 (305.4, 679.7)       | 0.003474 (0.0022602, 0.0050308) | 563.5 (348.8, 852.4)       | 0.004114 (0.0025466, 0.0062231) |
| DI Yogyakarta | Chronic kidney disease                        | 35  | 866.5 (581.7, 1,281.7)     | 0.006413 (0.0043053, 0.0094867) | 663.7 (402.1, 1,027.5)     | 0.004846 (0.0029357, 0.0075012) |
| DI Yogyakarta | Cirrhosis                                     | 35  | 1,004.4 (653.2, 1,502.4)   | 0.007434 (0.0048344, 0.0111203) | 583.8 (340.5, 931.5)       | 0.004262 (0.0024859, 0.0068008) |
| DI Yogyakarta | Chronic respiratory diseases                  | 35  | 737.8 (432.0, 1,139.0)     | 0.005461 (0.0031973, 0.0084308) | 425.8 (233.4, 668.9)       | 0.003109 (0.0017041, 0.0048831) |
| DI Yogyakarta | Other non-communicable diseases               | 35  | 1,631.1 (1,193.3, 2,163.4) | 0.012073 (0.0088327, 0.0160126) | 1,495.6 (1,012.2, 2,113.6) | 0.010919 (0.0073894, 0.0154308) |
| DI Yogyakarta | Drowning                                      | 35  | 120.5 (44.7, 269.0)        | 0.000892 (0.0003310, 0.0019911) | 53.8 (17.6, 127.0)         | 0.000393 (0.0001286, 0.0009269) |
| DI Yogyakarta | Falls                                         | 35  | 414.9 (189.9, 803.6)       | 0.003071 (0.0014058, 0.0059477) | 235.9 (97.3, 502.1)        | 0.001723 (0.0007107, 0.0036659) |
| DI Yogyakarta | Interpersonal violence                        | 35  | 58.8 (21.6, 123.5)         | 0.000436 (0.0001595, 0.0009142) | 44.0 (15.3, 95.1)          | 0.000321 (0.0001118, 0.0006943) |
| DI Yogyakarta | Self-harm                                     | 35  | 218.5 (90.4, 430.7)        | 0.001618 (0.0006690, 0.0031878) | 135.1 (49.8, 279.9)        | 0.000987 (0.0003634, 0.0020438) |
| DI Yogyakarta | Transport injuries                            | 35  | 2,637.8 (1,806.4, 3,712.5) | 0.019524 (0.0133704, 0.0274790) | 1,092.3 (660.8, 1,674.8)   | 0.007975 (0.0048245, 0.0122272) |
| DI Yogyakarta | Other unintentional injuries                  | 35  | 511.7 (288.7, 839.5)       | 0.003788 (0.0021372, 0.0062134) | 242.9 (125.5, 425.2)       | 0.001774 (0.0009160, 0.0031043) |
| DI Yogyakarta | Diarrheal diseases                            | 40  | 591.8 (344.9, 968.1)       | 0.004259 (0.0024825, 0.0069682) | 624.4 (352.7, 971.3)       | 0.004280 (0.0024178, 0.0066579) |
| DI Yogyakarta | HIV/AIDS                                      | 40  | 190.8 (41.3, 509.2)        | 0.001373 (0.0002970, 0.0036652) | 156.8 (36.0, 393.8)        | 0.001075 (0.0002465, 0.0026995) |
| DI Yogyakarta | Lower respiratory infections                  | 40  | 159.0 (74.9, 296.5)        | 0.001144 (0.0005392, 0.0021338) | 125.1 (56.9, 229.0)        | 0.000858 (0.0003901, 0.0015697) |
| DI Yogyakarta | Malaria                                       | 40  | 12.5 (0.7, 56.7)           | 0.000090 (0.0000052, 0.0004078) | 7.8 (0.5, 36.0)            | 0.000053 (0.0000032, 0.0002470) |
| DI Yogyakarta | Tuberculosis                                  | 40  | 1,430.7 (912.4, 2,127.1)   | 0.010298 (0.0065670, 0.0153101) | 886.2 (522.7, 1,382.6)     | 0.006074 (0.0035831, 0.0094768) |
| DI Yogyakarta | Maternal disorders                            | 40  |                            |                                 | 129.1 (65.5, 231.0)        | 0.000885 (0.0004490, 0.0015832) |
| DI Yogyakarta | Other communicable diseases                   | 40  | 751.0 (440.5, 1,133.4)     | 0.005406 (0.0031706, 0.0081580) | 582.8 (340.1, 905.1)       | 0.003995 (0.0023315, 0.0062042) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 40  | 725.0 (328.3, 1,368.8)     | 0.005219 (0.0023627, 0.0098518) | 329.9 (128.7, 677.0)       | 0.002261 (0.0008824, 0.0046406) |
| DI Yogyakarta | Breast cancer                                 | 40  | 35.7 (12.1, 81.5)          | 0.000257 (0.0000871, 0.0005863) | 1,827.9 (1,023.9, 2,931.5) | 0.012529 (0.0070183, 0.0200939) |
| DI Yogyakarta | Cervical cancer                               | 40  |                            |                                 | 1,016.8 (390.2, 1,918.2)   | 0.006969 (0.0026745, 0.0131484) |
| DI Yogyakarta | Other malignant neoplasms                     | 40  | 2,919.8 (1,995.4, 4,069.6) | 0.021016 (0.0143621, 0.0292916) | 1,640.4 (951.9, 2,639.6)   | 0.011244 (0.0065244, 0.0180930) |
| DI Yogyakarta | Cerebrovascular disease                       | 40  | 2,933.0 (2,236.5, 3,946.4) | 0.021111 (0.0160975, 0.0284048) | 2,734.8 (1,992.1, 3,656.8) | 0.018746 (0.0136545, 0.0250654) |
| DI Yogyakarta | Ischemic heart disease                        | 40  | 2,785.5 (2,005.6, 3,872.8) | 0.020049 (0.0144354, 0.0278752) | 1,636.0 (1,090.6, 2,370.6) | 0.011214 (0.0074755, 0.0162494) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 40  | 994.8 (670.4, 1,504.7)     | 0.007160 (0.0048250, 0.0108300) | 1,110.6 (714.7, 1,658.6)   | 0.007613 (0.0048989, 0.0113687) |
| DI Yogyakarta | Diabetes mellitus                             | 40  | 1,106.8 (756.8, 1,534.6)   | 0.007966 (0.0054475, 0.0110459) | 1,287.4 (824.5, 1,856.5)   | 0.008824 (0.0056516, 0.0127255) |
| DI Yogyakarta | Chronic kidney disease                        | 40  | 1,226.5 (811.3, 1,780.8)   | 0.008828 (0.0058392, 0.0128179) | 904.6 (570.9, 1,358.2)     | 0.006201 (0.0039132, 0.0093095) |
| DI Yogyakarta | Cirrhosis                                     | 40  | 1,442.5 (939.7, 2,152.0)   | 0.010382 (0.0067635, 0.0154891) | 847.8 (509.9, 1,307.1)     | 0.005811 (0.0034948, 0.0089593) |
| DI Yogyakarta | Chronic respiratory diseases                  | 40  | 920.5 (556.2, 1,364.8)     | 0.006625 (0.0040033, 0.0098237) | 564.2 (321.6, 877.9)       | 0.003867 (0.0022042, 0.0060172) |
| DI Yogyakarta | Other non-communicable diseases               | 40  | 2,072.5 (1,511.9, 2,845.0) | 0.014917 (0.0108824, 0.0204773) | 1,902.2 (1,317.9, 2,602.4) | 0.013038 (0.0090335, 0.0178377) |
| DI Yogyakarta | Drowning                                      | 40  | 81.7 (29.5, 199.2)         | 0.000588 (0.0002125, 0.0014337) | 39.9 (12.5, 91.4)          | 0.000273 (0.0000854, 0.0006266) |
| DI Yogyakarta | Falls                                         | 40  | 450.7 (193.7, 917.8)       | 0.003244 (0.0013939, 0.0066063) | 270.4 (113.3, 559.2)       | 0.001853 (0.0007767, 0.0038332) |
| DI Yogyakarta | Interpersonal violence                        | 40  | 50.7 (17.8, 106.7)         | 0.000365 (0.0001280, 0.0007677) | 35.6 (12.7, 75.5)          | 0.000244 (0.0000872, 0.0005173) |
| DI Yogyakarta | Self-harm                                     | 40  | 209.7 (88.4, 432.2)        | 0.001510 (0.0006359, 0.0031105) | 119.9 (45.9, 250.9)        | 0.000822 (0.0003143, 0.0017195) |
| DI Yogyakarta | Transport injuries                            | 40  | 2,569.3 (1,685.7, 3,752.8) | 0.018493 (0.0121331, 0.0270117) | 1,074.7 (652.8, 1,641.1)   | 0.007366 (0.0044747, 0.0112489) |
| DI Yogyakarta | Other unintentional injuries                  | 40  | 475.4 (267.1, 784.5)       | 0.003422 (0.0019223, 0.0056464) | 223.6 (116.9, 387.3)       | 0.001533 (0.0008012, 0.0026544) |
| DI Yogyakarta | Diarrheal diseases                            | 45  | 583.7 (330.5, 966.3)       | 0.004795 (0.0027147, 0.0079380) | 732.4 (432.6, 1,141.7)     | 0.005688 (0.0033591, 0.0088654) |
| DI Yogyakarta | HIV/AIDS                                      | 45  | 101.7 (20.6, 287.0)        | 0.000836 (0.0001691, 0.0023580) | 96.0 (19.9, 254.3)         | 0.000746 (0.0001547, 0.0019749) |
| DI Yogyakarta | Lower respiratory infections                  | 45  | 205.5 (99.9, 376.1)        | 0.001688 (0.0008205, 0.0030899) | 194.4 (92.3, 342.7)        | 0.001510 (0.0007165, 0.0026612) |
| DI Yogyakarta | Malaria                                       | 45  | 10.0 (0.6, 46.8)           | 0.000082 (0.0000047, 0.0003845) | 6.7 (0.4, 31.4)            | 0.000052 (0.0000028, 0.0002442) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DI Yogyakarta | Tuberculosis                                  | 45  | 1,492.5 (960.9, 2,196.8)   | 0.012261 (0.0078938, 0.0180468) | 999.0 (621.0, 1,504.4)     | 0.007757 (0.0048223, 0.0116820) |
| DI Yogyakarta | Maternal disorders                            | 45  |                            |                                 | 41.9 (17.3, 82.3)          | 0.000325 (0.0001341, 0.0006392) |
| DI Yogyakarta | Other communicable diseases                   | 45  | 654.6 (387.2, 1,011.1)     | 0.005377 (0.0031812, 0.0083064) | 620.5 (369.0, 951.2)       | 0.004818 (0.0028653, 0.0073861) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 45  | 765.0 (354.0, 1,422.0)     | 0.006285 (0.0029081, 0.0116814) | 413.6 (176.7, 809.7)       | 0.003212 (0.0013719, 0.0062873) |
| DI Yogyakarta | Breast cancer                                 | 45  | 36.7 (12.8, 81.6)          | 0.000302 (0.0001055, 0.0006699) | 1,824.5 (1,032.8, 2,883.3) | 0.014168 (0.0080204, 0.0223898) |
| DI Yogyakarta | Cervical cancer                               | 45  |                            |                                 | 1,125.6 (454.2, 2,130.8)   | 0.008741 (0.0035269, 0.0165464) |
| DI Yogyakarta | Other malignant neoplasms                     | 45  | 2,700.1 (1,813.7, 3,801.8) | 0.022181 (0.0148992, 0.0312311) | 1,627.3 (943.7, 2,556.7)   | 0.012636 (0.0073281, 0.0198538) |
| DI Yogyakarta | Cerebrovascular disease                       | 45  | 4,151.6 (3,173.6, 5,492.8) | 0.034105 (0.0260704, 0.0451224) | 4,254.0 (3,258.8, 5,508.7) | 0.033034 (0.0253055, 0.0427767) |
| DI Yogyakarta | Ischemic heart disease                        | 45  | 3,459.1 (2,483.7, 4,728.7) | 0.028416 (0.0204033, 0.0388453) | 2,159.5 (1,522.9, 3,019.1) | 0.016769 (0.0118256, 0.0234442) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 45  | 1,243.4 (849.4, 1,854.5)   | 0.010215 (0.0069779, 0.0152344) | 1,490.1 (999.7, 2,152.2)   | 0.011571 (0.0077630, 0.0167124) |
| DI Yogyakarta | Diabetes mellitus                             | 45  | 1,733.8 (1,195.3, 2,421.6) | 0.014243 (0.0098197, 0.0198933) | 2,144.3 (1,464.3, 3,016.3) | 0.016651 (0.0113706, 0.0234226) |
| DI Yogyakarta | Chronic kidney disease                        | 45  | 1,263.4 (858.7, 1,852.2)   | 0.010379 (0.0070544, 0.0152154) | 977.4 (643.5, 1,457.6)     | 0.007590 (0.0049970, 0.0113184) |
| DI Yogyakarta | Cirrhosis                                     | 45  | 1,516.7 (979.4, 2,291.7)   | 0.012460 (0.0080457, 0.0188259) | 1,001.6 (626.3, 1,480.5)   | 0.007778 (0.0048635, 0.0114965) |
| DI Yogyakarta | Chronic respiratory diseases                  | 45  | 1,196.6 (742.6, 1,801.1)   | 0.009830 (0.0061003, 0.0147961) | 779.5 (485.0, 1,146.0)     | 0.006053 (0.0037660, 0.0088993) |
| DI Yogyakarta | Other non-communicable diseases               | 45  | 2,067.4 (1,517.3, 2,797.7) | 0.016983 (0.0124646, 0.0229824) | 2,075.0 (1,477.6, 2,824.7) | 0.016113 (0.0114740, 0.0219350) |
| DI Yogyakarta | Drowning                                      | 45  | 61.1 (20.1, 138.5)         | 0.000502 (0.0001652, 0.0011377) | 38.4 (12.8, 88.7)          | 0.000298 (0.0000997, 0.0006888) |
| DI Yogyakarta | Falls                                         | 45  | 532.0 (237.0, 1,034.5)     | 0.004370 (0.0019470, 0.0084983) | 387.4 (173.9, 746.0)       | 0.003009 (0.0013506, 0.0057927) |
| DI Yogyakarta | Interpersonal violence                        | 45  | 39.3 (15.3, 82.6)          | 0.000323 (0.0001259, 0.0006785) | 28.4 (10.9, 60.5)          | 0.000221 (0.0000845, 0.0004700) |
| DI Yogyakarta | Self-harm                                     | 45  | 182.2 (75.2, 363.5)        | 0.001496 (0.0006174, 0.0029861) | 104.3 (42.4, 223.0)        | 0.000810 (0.0003296, 0.0017320) |
| DI Yogyakarta | Transport injuries                            | 45  | 2,644.9 (1,771.8, 3,799.9) | 0.021728 (0.0145555, 0.0312158) | 1,277.5 (783.9, 1,875.3)   | 0.009921 (0.0060871, 0.0145625) |
| DI Yogyakarta | Other unintentional injuries                  | 45  | 433.9 (236.1, 715.0)       | 0.003565 (0.0019393, 0.0058737) | 226.3 (124.8, 381.4)       | 0.001757 (0.0009693, 0.0029617) |
| DI Yogyakarta | Diarrheal diseases                            | 50  | 789.6 (448.6, 1,272.6)     | 0.007185 (0.0040823, 0.0115806) | 936.3 (576.7, 1,404.4)     | 0.008117 (0.0049998, 0.0121755) |
| DI Yogyakarta | HIV/AIDS                                      | 50  | 47.2 (8.5, 139.8)          | 0.000430 (0.0000776, 0.0012720) | 42.9 (8.1, 123.0)          | 0.000372 (0.0000706, 0.0010666) |
| DI Yogyakarta | Lower respiratory infections                  | 50  | 290.7 (139.3, 537.1)       | 0.002646 (0.0012672, 0.0048878) | 268.8 (129.0, 469.0)       | 0.002330 (0.0011186, 0.0040657) |
| DI Yogyakarta | Malaria                                       | 50  | 10.2 (0.6, 47.1)           | 0.000093 (0.0000058, 0.0004285) | 6.1 (0.4, 29.8)            | 0.000053 (0.0000032, 0.0002584) |
| DI Yogyakarta | Tuberculosis                                  | 50  | 1,810.5 (1,150.9, 2,698.5) | 0.016475 (0.0104733, 0.0245559) | 1,095.3 (695.5, 1,645.0)   | 0.009496 (0.0060301, 0.0142620) |
| DI Yogyakarta | Maternal disorders                            | 50  |                            |                                 | 19.6 (5.9, 48.9)           | 0.000170 (0.0000511, 0.0004237) |
| DI Yogyakarta | Other communicable diseases                   | 50  | 675.8 (387.2, 1,051.0)     | 0.006149 (0.0035236, 0.0095635) | 617.2 (361.5, 949.6)       | 0.005351 (0.0031345, 0.0082329) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 50  | 1,028.0 (495.3, 1,864.4)   | 0.009355 (0.0045074, 0.0169660) | 464.5 (212.0, 901.7)       | 0.004027 (0.0018380, 0.0078179) |
| DI Yogyakarta | Breast cancer                                 | 50  | 31.6 (11.0, 71.4)          | 0.000288 (0.0000997, 0.0006493) | 1,547.5 (848.1, 2,514.0)   | 0.013417 (0.0073528, 0.0217962) |
| DI Yogyakarta | Cervical cancer                               | 50  |                            |                                 | 1,066.8 (434.9, 2,034.6)   | 0.009249 (0.0037708, 0.0176396) |
| DI Yogyakarta | Other malignant neoplasms                     | 50  | 2,480.7 (1,646.6, 3,568.9) | 0.022574 (0.0149840, 0.0324760) | 1,643.6 (954.5, 2,567.2)   | 0.014250 (0.0082749, 0.0222569) |
| DI Yogyakarta | Cerebrovascular disease                       | 50  | 6,233.0 (4,720.0, 8,201.0) | 0.056718 (0.0429506, 0.0746271) | 5,974.4 (4,617.7, 7,649.8) | 0.051797 (0.0400346, 0.0663222) |
| DI Yogyakarta | Ischemic heart disease                        | 50  | 4,844.0 (3,416.7, 6,600.5) | 0.044079 (0.0310910, 0.0600626) | 2,695.0 (1,909.1, 3,801.8) | 0.023365 (0.0165517, 0.0329609) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 50  | 1,790.4 (1,203.6, 2,637.9) | 0.016292 (0.0109528, 0.0240042) | 2,012.8 (1,396.6, 2,895.0) | 0.017451 (0.0121085, 0.0250986) |
| DI Yogyakarta | Diabetes mellitus                             | 50  | 2,569.6 (1,766.6, 3,543.2) | 0.023383 (0.0160755, 0.0322426) | 2,944.1 (2,035.0, 4,092.4) | 0.025525 (0.0176428, 0.0354798) |
| DI Yogyakarta | Chronic kidney disease                        | 50  | 1,480.4 (1,004.1, 2,178.1) | 0.013471 (0.0091370, 0.0198206) | 1,049.6 (699.5, 1,564.4)   | 0.009100 (0.0060647, 0.0135630) |
| DI Yogyakarta | Cirrhosis                                     | 50  | 1,762.9 (1,151.9, 2,645.9) | 0.016042 (0.0104818, 0.0240770) | 1,118.9 (701.4, 1,631.5)   | 0.009701 (0.0060807, 0.0141445) |
| DI Yogyakarta | Chronic respiratory diseases                  | 50  | 1,688.4 (1,081.9, 2,495.4) | 0.015364 (0.0098450, 0.0227072) | 1,083.1 (687.9, 1,587.2)   | 0.009390 (0.0059641, 0.0137607) |
| DI Yogyakarta | Other non-communicable diseases               | 50  | 2,420.5 (1,701.6, 3,297.4) | 0.022026 (0.0154843, 0.0300053) | 2,287.1 (1,665.6, 3,104.9) | 0.019829 (0.0144401, 0.0269189) |
| DI Yogyakarta | Drowning                                      | 50  | 47.6 (16.4, 104.3)         | 0.000433 (0.0001489, 0.0009490) | 30.1 (10.2, 63.3)          | 0.000261 (0.0000887, 0.0005490) |
| DI Yogyakarta | Falls                                         | 50  | 650.8 (303.4, 1,227.2)     | 0.005922 (0.0027607, 0.0111671) | 456.9 (215.6, 862.7)       | 0.003961 (0.0018691, 0.0074798) |
| DI Yogyakarta | Interpersonal violence                        | 50  | 33.7 (12.7, 69.2)          | 0.000307 (0.0001158, 0.0006295) | 21.0 (8.8, 43.3)           | 0.000182 (0.0000760, 0.0003758) |
| DI Yogyakarta | Self-harm                                     | 50  | 174.4 (70.2, 341.1)        | 0.001587 (0.0006386, 0.0031040) | 84.5 (33.7, 178.2)         | 0.000733 (0.0002923, 0.0015451) |
| DI Yogyakarta | Transport injuries                            | 50  | 2,280.7 (1,443.9, 3,483.8) | 0.020754 (0.0131391, 0.0317016) | 1,020.2 (598.5, 1,554.7)   | 0.008845 (0.0051889, 0.0134788) |
| DI Yogyakarta | Other unintentional injuries                  | 50  | 387.2 (200.5, 649.0)       | 0.003524 (0.0018242, 0.0059054) | 182.7 (98.2, 304.8)        | 0.001584 (0.0008510, 0.0026424) |
| DI Yogyakarta | Diarrheal diseases                            | 55  | 811.3 (477.4, 1,288.7)     | 0.009552 (0.0056207, 0.0151731) | 890.4 (561.4, 1,323.6)     | 0.010665 (0.0067243, 0.0158527) |
| DI Yogyakarta | HIV/AIDS                                      | 55  | 19.0 (3.0, 60.0)           | 0.000224 (0.0000353, 0.0007066) | 16.1 (2.9, 49.8)           | 0.000193 (0.0000345, 0.0005966) |
| DI Yogyakarta | Lower respiratory infections                  | 55  | 287.7 (139.9, 512.7)       | 0.003387 (0.0016472, 0.0060369) | 257.2 (128.3, 438.3)       | 0.003081 (0.0015362, 0.0052492) |
| DI Yogyakarta | Malaria                                       | 55  | 9.4 (0.5, 44.2)            | 0.000111 (0.0000064, 0.0005199) | 4.9 (0.3, 24.2)            | 0.000059 (0.0000034, 0.0002894) |
| DI Yogyakarta | Tuberculosis                                  | 55  | 1,511.8 (949.1, 2,251.3)   | 0.017800 (0.0111749, 0.0265074) | 821.4 (514.3, 1,251.1)     | 0.009839 (0.0061603, 0.0149842) |
| DI Yogyakarta | Other communicable diseases                   | 55  | 609.9 (352.0, 973.2)       | 0.007181 (0.0041445, 0.0114586) | 527.5 (309.2, 805.9)       | 0.006318 (0.0037029, 0.0096522) |

## Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|               |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 55  | 984.2 (464.4, 1,785.7)     | 0.011588 (0.0054685, 0.0210247) | 344.4 (156.9, 678.5)       | 0.004125 (0.0018788, 0.0081266) |
| DI Yogyakarta | Breast cancer                                 | 55  | 23.6 (8.2, 54.3)           | 0.000278 (0.0000960, 0.0006397) | 1,068.5 (566.2, 1,750.4)   | 0.012797 (0.0067819, 0.0209645) |
| DI Yogyakarta | Cervical cancer                               | 55  |                            |                                 | 707.6 (271.7, 1,384.2)     | 0.008476 (0.0032546, 0.0165783) |
| DI Yogyakarta | Other malignant neoplasms                     | 55  | 1,932.2 (1,257.1, 2,814.9) | 0.022750 (0.0148007, 0.0331426) | 1,359.7 (819.3, 2,100.3)   | 0.016285 (0.0098132, 0.0251561) |
| DI Yogyakarta | Cerebrovascular disease                       | 55  | 7,165.6 (5,379.8, 9,217.1) | 0.084369 (0.0633419, 0.1085225) | 6,518.8 (5,192.6, 8,186.3) | 0.078077 (0.0621928, 0.0980490) |
| DI Yogyakarta | Ischemic heart disease                        | 55  | 5,317.0 (3,763.2, 7,160.0) | 0.062603 (0.0443084, 0.0843028) | 2,764.8 (1,992.2, 3,765.9) | 0.033115 (0.0238609, 0.0451045) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 55  | 2,001.1 (1,316.5, 2,937.6) | 0.023561 (0.0155008, 0.0345879) | 2,094.7 (1,461.2, 2,991.3) | 0.025089 (0.0175014, 0.0358275) |
| DI Yogyakarta | Diabetes mellitus                             | 55  | 2,690.9 (1,848.0, 3,717.4) | 0.031683 (0.0217584, 0.0437691) | 2,874.4 (2,049.8, 3,969.3) | 0.034427 (0.0245508, 0.0475408) |
| DI Yogyakarta | Chronic kidney disease                        | 55  | 1,408.7 (944.2, 2,046.4)   | 0.016586 (0.0111165, 0.0240946) | 916.3 (616.4, 1,348.8)     | 0.010975 (0.0073831, 0.0161546) |
| DI Yogyakarta | Cirrhosis                                     | 55  | 1,573.0 (1,012.2, 2,285.5) | 0.018520 (0.0119175, 0.0269096) | 962.6 (618.0, 1,421.7)     | 0.011530 (0.0074020, 0.0170281) |
| DI Yogyakarta | Chronic respiratory diseases                  | 55  | 1,787.5 (1,175.7, 2,624.1) | 0.021046 (0.0138427, 0.0308962) | 1,095.0 (727.6, 1,549.2)   | 0.013115 (0.0087143, 0.0185555) |
| DI Yogyakarta | Other non-communicable diseases               | 55  | 2,478.3 (1,737.8, 3,403.0) | 0.029180 (0.0204607, 0.0400673) | 2,211.2 (1,643.3, 3,021.4) | 0.026484 (0.0196818, 0.0361877) |
| DI Yogyakarta | Drowning                                      | 55  | 34.7 (10.6, 82.2)          | 0.000409 (0.0001252, 0.0009680) | 21.9 (7.1, 46.2)           | 0.000263 (0.0000847, 0.0005539) |
| DI Yogyakarta | Falls                                         | 55  | 687.6 (325.0, 1,266.7)     | 0.008095 (0.0038265, 0.0149138) | 464.5 (225.3, 830.3)       | 0.005563 (0.0026986, 0.0099442) |
| DI Yogyakarta | Interpersonal violence                        | 55  | 25.4 (9.0, 56.0)           | 0.000299 (0.0001058, 0.0006591) | 13.5 (5.5, 28.7)           | 0.000162 (0.0000662, 0.0003437) |
| DI Yogyakarta | Self-harm                                     | 55  | 149.2 (56.0, 298.1)        | 0.001757 (0.0006598, 0.0035098) | 60.7 (24.0, 126.6)         | 0.000727 (0.0002870, 0.0015158) |
| DI Yogyakarta | Transport injuries                            | 55  | 1,505.8 (878.4, 2,382.0)   | 0.017729 (0.0103424, 0.0280459) | 623.0 (344.7, 1,011.1)     | 0.007462 (0.0041281, 0.0121107) |
| DI Yogyakarta | Other unintentional injuries                  | 55  | 306.7 (155.4, 515.2)       | 0.003611 (0.0018292, 0.0060656) | 130.7 (66.2, 216.2)        | 0.001566 (0.0007931, 0.0025899) |
| DI Yogyakarta | Diarrheal diseases                            | 60  | 835.6 (497.4, 1,276.7)     | 0.014476 (0.0086169, 0.0221184) | 1,045.5 (686.3, 1,517.1)   | 0.015493 (0.0101711, 0.0224822) |
| DI Yogyakarta | HIV/AIDS                                      | 60  | 12.6 (1.7, 39.6)           | 0.000218 (0.0000301, 0.0006861) | 11.8 (1.9, 37.4)           | 0.000175 (0.0000286, 0.0005545) |
| DI Yogyakarta | Lower respiratory infections                  | 60  | 376.5 (187.0, 653.0)       | 0.006523 (0.0032400, 0.0113125) | 418.5 (221.7, 699.3)       | 0.006202 (0.0032859, 0.0103630) |
| DI Yogyakarta | Malaria                                       | 60  | 8.9 (0.5, 41.0)            | 0.000154 (0.0000086, 0.0007111) | 4.4 (0.2, 20.2)            | 0.000065 (0.0000035, 0.0002987) |
| DI Yogyakarta | Tuberculosis                                  | 60  | 1,664.2 (1,053.7, 2,430.5) | 0.028832 (0.0182542, 0.0421073) | 934.8 (584.5, 1,366.2)     | 0.013853 (0.0086613, 0.0202464) |
| DI Yogyakarta | Other communicable diseases                   | 60  | 455.1 (253.1, 743.7)       | 0.007885 (0.0043855, 0.0128845) | 473.9 (276.0, 735.0)       | 0.007023 (0.0040904, 0.0108929) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 60  | 910.0 (432.9, 1,651.2)     | 0.015765 (0.0075003, 0.0286059) | 309.7 (139.3, 611.7)       | 0.004590 (0.0020645, 0.0090643) |
| DI Yogyakarta | Breast cancer                                 | 60  | 18.1 (6.3, 41.8)           | 0.000313 (0.0001088, 0.0007239) | 685.9 (342.4, 1,173.4)     | 0.010164 (0.0050738, 0.0173897) |
| DI Yogyakarta | Cervical cancer                               | 60  |                            |                                 | 585.9 (230.4, 1,170.2)     | 0.008683 (0.0034139, 0.0173414) |
| DI Yogyakarta | Other malignant neoplasms                     | 60  | 1,681.3 (1,087.1, 2,438.1) | 0.029128 (0.0188344, 0.0422395) | 1,315.5 (802.8, 1,965.1)   | 0.019495 (0.0118971, 0.0291208) |
| DI Yogyakarta | Cerebrovascular disease                       | 60  | 7,317.5 (5,449.3, 9,374.8) | 0.126773 (0.0944078, 0.1624152) | 7,521.5 (6,207.7, 9,278.9) | 0.111464 (0.0919934, 0.1375076) |
| DI Yogyakarta | Ischemic heart disease                        | 60  | 4,803.1 (3,349.1, 6,414.2) | 0.083212 (0.0580219, 0.1111241) | 2,803.8 (2,034.5, 3,772.6) | 0.041551 (0.0301493, 0.0559072) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 60  | 2,065.1 (1,384.6, 3,005.8) | 0.035778 (0.0239874, 0.0520751) | 2,243.7 (1,605.1, 3,127.1) | 0.033250 (0.0237872, 0.0463412) |
| DI Yogyakarta | Diabetes mellitus                             | 60  | 2,241.7 (1,487.7, 3,073.8) | 0.038837 (0.0257737, 0.0532519) | 2,555.1 (1,867.5, 3,457.3) | 0.037866 (0.0276754, 0.0512355) |
| DI Yogyakarta | Chronic kidney disease                        | 60  | 1,205.5 (811.8, 1,747.0)   | 0.020884 (0.0140642, 0.0302660) | 798.3 (540.8, 1,161.5)     | 0.011831 (0.0080144, 0.0172132) |
| DI Yogyakarta | Cirrhosis                                     | 60  | 1,270.7 (821.8, 1,866.1)   | 0.022014 (0.0142369, 0.0323304) | 906.3 (593.3, 1,320.0)     | 0.013431 (0.0087928, 0.0195616) |
| DI Yogyakarta | Chronic respiratory diseases                  | 60  | 2,421.0 (1,605.2, 3,410.2) | 0.041943 (0.0278090, 0.0590801) | 1,511.2 (1,047.8, 2,072.6) | 0.022395 (0.0155276, 0.0307150) |
| DI Yogyakarta | Other non-communicable diseases               | 60  | 2,599.2 (1,814.7, 3,482.7) | 0.045030 (0.0314389, 0.0603367) | 2,523.8 (1,921.3, 3,307.8) | 0.037401 (0.0284722, 0.0490188) |
| DI Yogyakarta | Drowning                                      | 60  | 24.5 (7.9, 59.7)           | 0.000424 (0.0001369, 0.0010350) | 22.8 (6.8, 52.3)           | 0.000338 (0.0001009, 0.0007753) |
| DI Yogyakarta | Falls                                         | 60  | 539.4 (243.4, 1,013.7)     | 0.009345 (0.0042163, 0.0175628) | 476.2 (239.1, 818.9)       | 0.007057 (0.0035437, 0.0121360) |
| DI Yogyakarta | Interpersonal violence                        | 60  | 15.8 (5.5, 34.2)           | 0.000274 (0.0000949, 0.0005919) | 8.1 (3.2, 17.9)            | 0.000120 (0.0000471, 0.0002649) |
| DI Yogyakarta | Self-harm                                     | 60  | 105.6 (39.9, 217.9)        | 0.001830 (0.0006915, 0.0037756) | 39.2 (15.3, 85.9)          | 0.000580 (0.0002271, 0.0012726) |
| DI Yogyakarta | Transport injuries                            | 60  | 1,165.8 (685.1, 1,868.9)   | 0.020196 (0.0118687, 0.0323788) | 581.6 (325.8, 940.3)       | 0.008619 (0.0048280, 0.0139345) |
| DI Yogyakarta | Other unintentional injuries                  | 60  | 227.5 (111.5, 383.7)       | 0.003942 (0.0019324, 0.0066471) | 107.1 (56.6, 181.3)        | 0.001587 (0.0008389, 0.0026866) |
| DI Yogyakarta | Diarrheal diseases                            | 65  | 1,437.9 (919.4, 2,118.9)   | 0.026114 (0.0166967, 0.0384805) | 1,732.9 (1,184.5, 2,443.6) | 0.027625 (0.0188818, 0.0389535) |
| DI Yogyakarta | HIV/AIDS                                      | 65  | 13.3 (2.3, 38.3)           | 0.000242 (0.0000413, 0.0006949) | 11.7 (2.1, 34.1)           | 0.000187 (0.0000341, 0.0005428) |
| DI Yogyakarta | Lower respiratory infections                  | 65  | 544.8 (284.4, 931.2)       | 0.009893 (0.0051655, 0.0169106) | 583.3 (320.4, 936.4)       | 0.009298 (0.0051075, 0.0149271) |
| DI Yogyakarta | Malaria                                       | 65  | 8.0 (0.5, 41.5)            | 0.000145 (0.0000087, 0.0007534) | 3.6 (0.2, 16.1)            | 0.000058 (0.0000031, 0.0002569) |
| DI Yogyakarta | Tuberculosis                                  | 65  | 1,798.7 (1,091.3, 2,645.4) | 0.032665 (0.0198181, 0.0480408) | 912.6 (534.1, 1,389.6)     | 0.014548 (0.0085136, 0.0221521) |
| DI Yogyakarta | Other communicable diseases                   | 65  | 491.1 (269.1, 807.7)       | 0.008919 (0.0048874, 0.0146679) | 504.4 (282.5, 782.8)       | 0.008040 (0.0045038, 0.0124787) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 65  | 813.4 (377.0, 1,484.5)     | 0.014771 (0.0068470, 0.0269599) | 257.7 (114.0, 536.1)       | 0.004109 (0.0018172, 0.0085467) |
| DI Yogyakarta | Breast cancer                                 | 65  | 13.6 (4.3, 32.8)           | 0.000247 (0.0000789, 0.0005954) | 453.2 (210.7, 799.9)       | 0.007225 (0.0033594, 0.0127520) |
| DI Yogyakarta | Cervical cancer                               | 65  |                            |                                 | 453.1 (170.3, 944.1)       | 0.007222 (0.0027155, 0.0150498) |
| DI Yogyakarta | Other malignant neoplasms                     | 65  | 1,433.7 (933.4, 2,090.5)   | 0.026037 (0.0169515, 0.0379640) | 1,312.7 (816.7, 1,961.6)   | 0.020926 (0.0130196, 0.0312700) |

Aim 2 Supplementary Tables

| Location      | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|---------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|               |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| DI Yogyakarta | Cerebrovascular disease                       | 65  | 8,966.6       | (6,641.2, 11,389.1) | 0.162837                 | (0.1206063, 0.2068315) | 9,358.4       | (7,738.8, 11,419.7) | 0.149184                 | (0.1233661, 0.1820443) |
| DI Yogyakarta | Ischemic heart disease                        | 65  | 5,187.1       | (3,547.9, 7,009.8)  | 0.094199                 | (0.0644306, 0.1273014) | 3,020.9       | (2,180.6, 4,054.9)  | 0.048157                 | (0.0347619, 0.0646406) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 65  | 2,535.5       | (1,680.4, 3,633.5)  | 0.046047                 | (0.0305167, 0.0659860) | 2,746.9       | (1,948.3, 3,851.5)  | 0.043789                 | (0.0310577, 0.0613971) |
| DI Yogyakarta | Diabetes mellitus                             | 65  | 1,994.4       | (1,311.9, 2,743.0)  | 0.036219                 | (0.0238239, 0.0498132) | 2,307.0       | (1,672.6, 3,155.5)  | 0.036777                 | (0.0266631, 0.0503032) |
| DI Yogyakarta | Chronic kidney disease                        | 65  | 1,203.1       | (808.9, 1,746.3)    | 0.021848                 | (0.0146906, 0.0317130) | 792.2         | (537.7, 1,169.2)    | 0.012628                 | (0.0085717, 0.0186390) |
| DI Yogyakarta | Cirrhosis                                     | 65  | 1,206.2       | (775.5, 1,783.1)    | 0.021905                 | (0.0140831, 0.0323815) | 895.6         | (576.0, 1,314.3)    | 0.014277                 | (0.0091816, 0.0209510) |
| DI Yogyakarta | Chronic respiratory diseases                  | 65  | 3,066.1       | (2,074.5, 4,239.6)  | 0.055682                 | (0.0376732, 0.0769934) | 1,862.4       | (1,296.3, 2,516.5)  | 0.029689                 | (0.0206652, 0.0401159) |
| DI Yogyakarta | Other non-communicable diseases               | 65  | 3,341.2       | (2,351.0, 4,454.2)  | 0.060678                 | (0.0426952, 0.0808905) | 3,270.4       | (2,509.0, 4,243.2)  | 0.052135                 | (0.0399971, 0.0676424) |
| DI Yogyakarta | Drowning                                      | 65  | 29.4          | (9.4, 71.5)         | 0.000534                 | (0.0001709, 0.0012982) | 29.6          | (8.2, 71.6)         | 0.000472                 | (0.0001304, 0.0011416) |
| DI Yogyakarta | Falls                                         | 65  | 751.0         | (349.5, 1,369.5)    | 0.013639                 | (0.0063465, 0.0248711) | 679.1         | (365.8, 1,160.8)    | 0.010826                 | (0.0058313, 0.0185042) |
| DI Yogyakarta | Interpersonal violence                        | 65  | 12.1          | (4.3, 27.6)         | 0.000220                 | (0.0000778, 0.0005012) | 5.8           | (2.0, 13.7)         | 0.000093                 | (0.0000318, 0.0002192) |
| DI Yogyakarta | Self-harm                                     | 65  | 89.3          | (34.4, 183.4)       | 0.001622                 | (0.0006246, 0.0033307) | 30.1          | (11.1, 63.6)        | 0.000479                 | (0.0001775, 0.0010138) |
| DI Yogyakarta | Transport injuries                            | 65  | 1,203.7       | (668.7, 1,965.1)    | 0.021859                 | (0.0121434, 0.0356864) | 597.0         | (308.0, 1,020.2)    | 0.009517                 | (0.0049105, 0.0162634) |
| DI Yogyakarta | Other unintentional injuries                  | 65  | 235.8         | (121.7, 399.0)      | 0.004283                 | (0.0022101, 0.0072467) | 107.1         | (55.8, 181.9)       | 0.001708                 | (0.0008893, 0.0028991) |
| DI Yogyakarta | Diarrheal diseases                            | 70  | 1,909.5       | (1,227.5, 2,711.9)  | 0.044013                 | (0.0282920, 0.0625065) | 2,465.3       | (1,749.2, 3,344.3)  | 0.044820                 | (0.0318011, 0.0608018) |
| DI Yogyakarta | HIV/AIDS                                      | 70  | 17.3          | (3.2, 55.8)         | 0.000399                 | (0.0000737, 0.0012850) | 16.5          | (3.0, 50.2)         | 0.000299                 | (0.0000554, 0.0009130) |
| DI Yogyakarta | Lower respiratory infections                  | 70  | 707.4         | (368.6, 1,169.3)    | 0.016305                 | (0.0084965, 0.0269522) | 842.3         | (475.7, 1,313.9)    | 0.015314                 | (0.0086485, 0.0238878) |
| DI Yogyakarta | Malaria                                       | 70  | 6.4           | (0.4, 31.2)         | 0.000147                 | (0.0000088, 0.0007190) | 3.1           | (0.2, 13.4)         | 0.000056                 | (0.0000030, 0.0002431) |
| DI Yogyakarta | Tuberculosis                                  | 70  | 1,730.6       | (1,061.5, 2,606.7)  | 0.039889                 | (0.0244659, 0.0600826) | 975.1         | (568.8, 1,482.5)    | 0.017728                 | (0.0103404, 0.0269525) |
| DI Yogyakarta | Other communicable diseases                   | 70  | 499.7         | (282.4, 815.1)      | 0.011518                 | (0.0065089, 0.0187866) | 555.2         | (311.3, 858.4)      | 0.010093                 | (0.0056598, 0.0156064) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 70  | 695.5         | (319.4, 1,313.4)    | 0.016031                 | (0.0073608, 0.0302726) | 236.6         | (102.6, 505.7)      | 0.004302                 | (0.0018662, 0.0091933) |
| DI Yogyakarta | Breast cancer                                 | 70  | 8.1           | (2.5, 19.8)         | 0.000187                 | (0.0000565, 0.0004564) | 288.0         | (123.9, 537.8)      | 0.005236                 | (0.0022524, 0.0097769) |
| DI Yogyakarta | Cervical cancer                               | 70  |               |                     |                          |                        | 275.9         | (91.1, 608.3)       | 0.005015                 | (0.0016564, 0.0110599) |
| DI Yogyakarta | Other malignant neoplasms                     | 70  | 1,064.6       | (678.8, 1,564.9)    | 0.024537                 | (0.0156461, 0.0360694) | 1,155.1       | (735.6, 1,698.1)    | 0.021000                 | (0.0133735, 0.0308714) |
| DI Yogyakarta | Cerebrovascular disease                       | 70  | 9,112.1       | (6,779.5, 11,357.5) | 0.210025                 | (0.1562598, 0.2617790) | 11,005.6      | (9,158.9, 13,327.2) | 0.200087                 | (0.1665139, 0.2422948) |
| DI Yogyakarta | Ischemic heart disease                        | 70  | 4,827.1       | (3,367.6, 6,439.6)  | 0.111260                 | (0.0776204, 0.1484257) | 3,414.7       | (2,472.4, 4,544.7)  | 0.062082                 | (0.0449487, 0.0826253) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 70  | 2,702.9       | (1,816.5, 3,819.7)  | 0.062300                 | (0.0418693, 0.0880400) | 3,285.5       | (2,360.8, 4,516.2)  | 0.059732                 | (0.0429208, 0.0821067) |
| DI Yogyakarta | Diabetes mellitus                             | 70  | 1,444.0       | (964.6, 1,980.7)    | 0.033284                 | (0.0222323, 0.0456540) | 1,929.1       | (1,375.5, 2,663.0)  | 0.035072                 | (0.0250065, 0.0484144) |
| DI Yogyakarta | Chronic kidney disease                        | 70  | 1,005.7       | (671.9, 1,438.6)    | 0.023180                 | (0.0154871, 0.0331592) | 758.1         | (514.0, 1,110.9)    | 0.013783                 | (0.0093454, 0.0201972) |
| DI Yogyakarta | Cirrhosis                                     | 70  | 1,022.4       | (654.0, 1,500.2)    | 0.023565                 | (0.0150731, 0.0345772) | 877.9         | (571.9, 1,271.0)    | 0.015960                 | (0.0103978, 0.0231079) |
| DI Yogyakarta | Chronic respiratory diseases                  | 70  | 3,710.5       | (2,554.6, 5,008.3)  | 0.085522                 | (0.0588818, 0.1154356) | 2,464.4       | (1,730.4, 3,305.8)  | 0.044804                 | (0.0314598, 0.0601002) |
| DI Yogyakarta | Other non-communicable diseases               | 70  | 3,629.7       | (2,584.7, 4,724.8)  | 0.083660                 | (0.0595745, 0.1089017) | 4,056.6       | (3,115.9, 5,237.0)  | 0.073751                 | (0.0566491, 0.0952119) |
| DI Yogyakarta | Drowning                                      | 70  | 51.6          | (18.7, 114.4)       | 0.001190                 | (0.0004314, 0.0026361) | 58.0          | (18.9, 129.5)       | 0.001055                 | (0.0003435, 0.0023544) |
| DI Yogyakarta | Falls                                         | 70  | 842.7         | (418.8, 1,471.0)    | 0.019423                 | (0.0096537, 0.0339060) | 847.9         | (459.7, 1,385.5)    | 0.015415                 | (0.0083574, 0.0251894) |
| DI Yogyakarta | Interpersonal violence                        | 70  | 7.8           | (2.6, 17.8)         | 0.000181                 | (0.0000604, 0.0004092) | 4.2           | (1.2, 10.3)         | 0.000076                 | (0.0000223, 0.0001876) |
| DI Yogyakarta | Self-harm                                     | 70  | 67.6          | (25.8, 136.8)       | 0.001558                 | (0.0005947, 0.0031530) | 24.8          | (8.8, 55.4)         | 0.000451                 | (0.0001595, 0.0010072) |
| DI Yogyakarta | Transport injuries                            | 70  | 1,129.4       | (637.0, 1,831.9)    | 0.026030                 | (0.0146816, 0.0422221) | 619.7         | (327.2, 1,061.3)    | 0.011266                 | (0.0059490, 0.0192954) |
| DI Yogyakarta | Other unintentional injuries                  | 70  | 219.4         | (109.6, 371.0)      | 0.005057                 | (0.0025268, 0.0085504) | 110.0         | (56.7, 198.6)       | 0.001999                 | (0.0010303, 0.0036110) |
| DI Yogyakarta | Diarrheal diseases                            | 75  | 1,526.4       | (1,009.5, 2,123.4)  | 0.055597                 | (0.0367682, 0.0773394) | 2,383.3       | (1,743.9, 3,198.1)  | 0.060458                 | (0.0442398, 0.0811290) |
| DI Yogyakarta | HIV/AIDS                                      | 75  | 8.8           | (1.8, 26.6)         | 0.000322                 | (0.0000644, 0.0009695) | 10.3          | (1.7, 30.5)         | 0.000260                 | (0.0000440, 0.0007733) |
| DI Yogyakarta | Lower respiratory infections                  | 75  | 516.6         | (281.1, 847.8)      | 0.018817                 | (0.0102403, 0.0308808) | 737.8         | (423.0, 1,153.9)    | 0.018717                 | (0.0107307, 0.0292729) |
| DI Yogyakarta | Malaria                                       | 75  | 4.0           | (0.3, 19.4)         | 0.000147                 | (0.0000092, 0.0007075) | 2.5           | (0.1, 10.7)         | 0.000062                 | (0.0000034, 0.0002711) |
| DI Yogyakarta | Tuberculosis                                  | 75  | 932.1         | (530.8, 1,451.2)    | 0.033952                 | (0.0193320, 0.0528564) | 660.3         | (363.5, 1,049.8)    | 0.016750                 | (0.0092205, 0.0266314) |
| DI Yogyakarta | Other communicable diseases                   | 75  | 333.5         | (180.2, 550.2)      | 0.012146                 | (0.0065646, 0.0200412) | 443.6         | (248.9, 689.4)      | 0.011252                 | (0.0063141, 0.0174895) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer           | 75  | 397.9         | (179.7, 740.4)      | 0.014492                 | (0.0065467, 0.0269677) | 155.2         | (66.4, 319.1)       | 0.003937                 | (0.0016853, 0.0080948) |
| DI Yogyakarta | Breast cancer                                 | 75  | 3.5           | (1.0, 8.7)          | 0.000127                 | (0.0000358, 0.0003186) | 153.4         | (63.0, 294.3)       | 0.003892                 | (0.0015991, 0.0074662) |
| DI Yogyakarta | Cervical cancer                               | 75  |               |                     |                          |                        | 137.0         | (45.1, 307.6)       | 0.003474                 | (0.0011441, 0.0078041) |
| DI Yogyakarta | Other malignant neoplasms                     | 75  | 545.9         | (339.9, 795.1)      | 0.019883                 | (0.0123805, 0.0289598) | 835.0         | (536.7, 1,202.7)    | 0.021182                 | (0.0136160, 0.0305095) |
| DI Yogyakarta | Cerebrovascular disease                       | 75  | 6,326.7       | (4,631.4, 7,911.6)  | 0.230437                 | (0.1686890, 0.2881657) | 9,844.0       | (8,165.5, 11,788.2) | 0.249718                 | (0.2071403, 0.2990386) |
| DI Yogyakarta | Ischemic heart disease                        | 75  | 3,503.3       | (2,396.8, 4,649.5)  | 0.127600                 | (0.0872980, 0.1693512) | 3,286.5       | (2,442.9, 4,345.0)  | 0.083370                 | (0.0619694, 0.1102237) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases | 75  | 1,880.1       | (1,250.3, 2,662.1)  | 0.068479                 | (0.0455391, 0.0969631) | 2,960.0       | (2,138.4, 4,034.3)  | 0.075087                 | (0.0542461, 0.1023416) |
| DI Yogyakarta | Diabetes mellitus                             | 75  | 813.4         | (541.0, 1,125.2)    | 0.029626                 | (0.0197057, 0.0409844) | 1,417.1       | (1,013.4, 1,933.2)  | 0.035948                 | (0.0257064, 0.0490397) |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|---------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|               |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| DI Yogyakarta | Chronic kidney disease                                   | 75  | 593.5 (400.0, 846.5)          | 0.021618 (0.0145685, 0.0308326) | 586.8 (404.6, 860.0)          | 0.014887 (0.0102637, 0.0218172) |
| DI Yogyakarta | Cirrhosis                                                | 75  | 631.7 (399.6, 923.0)          | 0.023010 (0.0145532, 0.0336204) | 689.7 (448.6, 977.6)          | 0.017495 (0.0113804, 0.0248001) |
| DI Yogyakarta | Chronic respiratory diseases                             | 75  | 2,451.6 (1,669.2, 3,321.2)    | 0.089295 (0.0607975, 0.1209686) | 2,057.1 (1,437.6, 2,764.6)    | 0.052184 (0.0364672, 0.0701312) |
| DI Yogyakarta | Other non-communicable diseases                          | 75  | 2,851.9 (2,033.0, 3,703.9)    | 0.103874 (0.0740470, 0.1349091) | 4,109.9 (3,234.2, 5,147.9)    | 0.104259 (0.0820436, 0.1305899) |
| DI Yogyakarta | Drowning                                                 | 75  | 57.9 (18.5, 129.4)            | 0.002109 (0.0006726, 0.0047136) | 72.5 (22.6, 169.5)            | 0.001840 (0.0005732, 0.0042986) |
| DI Yogyakarta | Falls                                                    | 75  | 755.5 (396.1, 1,256.9)        | 0.027517 (0.0144257, 0.0457799) | 873.9 (482.9, 1,372.1)        | 0.022170 (0.0122496, 0.0348078) |
| DI Yogyakarta | Interpersonal violence                                   | 75  | 3.9 (1.0, 9.6)                | 0.000140 (0.0000371, 0.0003509) | 2.5 (0.6, 7.1)                | 0.000064 (0.0000153, 0.0001790) |
| DI Yogyakarta | Self-harm                                                | 75  | 39.4 (14.5, 80.9)             | 0.001435 (0.0005280, 0.0029473) | 18.1 (6.2, 42.2)              | 0.000458 (0.0001565, 0.0010699) |
| DI Yogyakarta | Transport injuries                                       | 75  | 608.1 (309.6, 1,059.2)        | 0.022149 (0.0112771, 0.0385795) | 390.0 (183.9, 702.5)          | 0.009893 (0.0046645, 0.0178195) |
| DI Yogyakarta | Other unintentional injuries                             | 75  | 144.9 (69.2, 249.9)           | 0.005277 (0.0025195, 0.0091035) | 86.7 (40.0, 156.0)            | 0.002200 (0.0010158, 0.0039572) |
| DI Yogyakarta | Diarrheal diseases                                       | 80  | 2,967.4 (2,167.8, 3,913.9)    | 0.127508 (0.0931497, 0.1681822) | 4,986.6 (3,852.0, 6,333.9)    | 0.141906 (0.1096195, 0.1802476) |
| DI Yogyakarta | HIV/AIDS                                                 | 80  | 11.0 (1.7, 39.1)              | 0.000471 (0.0000728, 0.0016788) | 15.0 (2.2, 55.9)              | 0.000426 (0.0000636, 0.0015896) |
| DI Yogyakarta | Lower respiratory infections                             | 80  | 761.9 (423.7, 1,230.5)        | 0.032737 (0.0182052, 0.0528759) | 1,206.5 (699.9, 1,816.3)      | 0.034333 (0.0199180, 0.0516887) |
| DI Yogyakarta | Malaria                                                  | 80  | 4.9 (0.3, 22.9)               | 0.000209 (0.0000125, 0.0009819) | 3.7 (0.2, 17.1)               | 0.000105 (0.0000055, 0.0004862) |
| DI Yogyakarta | Tuberculosis                                             | 80  | 1,000.6 (565.8, 1,598.4)      | 0.042997 (0.0243133, 0.0686843) | 926.0 (511.7, 1,455.3)        | 0.026353 (0.0145611, 0.0414138) |
| DI Yogyakarta | Other communicable diseases                              | 80  | 460.8 (264.5, 731.1)          | 0.019799 (0.0113675, 0.0314159) | 638.8 (367.8, 985.6)          | 0.018179 (0.0104673, 0.0280476) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer                      | 80  | 394.3 (172.5, 748.3)          | 0.016945 (0.0074112, 0.0321563) | 185.2 (77.0, 396.6)           | 0.005271 (0.0021923, 0.0112860) |
| DI Yogyakarta | Breast cancer                                            | 80  | 3.1 (0.7, 8.9)                | 0.000134 (0.0000314, 0.0003825) | 152.7 (57.7, 305.4)           | 0.004345 (0.0016433, 0.0086906) |
| DI Yogyakarta | Cervical cancer                                          | 80  |                               |                                 | 118.8 (33.8, 280.7)           | 0.003381 (0.0009619, 0.0079875) |
| DI Yogyakarta | Other malignant neoplasms                                | 80  | 533.2 (347.1, 776.0)          | 0.022910 (0.0149153, 0.0333452) | 978.5 (636.0, 1,444.7)        | 0.027846 (0.0181000, 0.0411118) |
| DI Yogyakarta | Cerebrovascular disease                                  | 80  | 7,911.0 (6,402.5, 9,398.9)    | 0.339935 (0.2751157, 0.4038719) | 14,478.4 (12,507.5, 16,698.5) | 0.412019 (0.3559343, 0.4751991) |
| DI Yogyakarta | Ischemic heart disease                                   | 80  | 3,892.2 (2,847.1, 4,966.5)    | 0.167247 (0.1223386, 0.2134112) | 4,732.3 (3,557.8, 6,070.0)    | 0.134671 (0.1012466, 0.1727386) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | 80  | 2,155.9 (1,486.9, 2,999.0)    | 0.092638 (0.0638935, 0.1288671) | 4,074.9 (2,957.8, 5,462.3)    | 0.115962 (0.0841707, 0.1554429) |
| DI Yogyakarta | Diabetes mellitus                                        | 80  | 788.1 (531.3, 1,070.8)        | 0.033865 (0.0228297, 0.0460107) | 1,691.1 (1,204.4, 2,272.0)    | 0.048126 (0.0342734, 0.0646554) |
| DI Yogyakarta | Chronic kidney disease                                   | 80  | 585.0 (413.1, 856.2)          | 0.025136 (0.0177526, 0.0367912) | 733.6 (494.1, 1,085.6)        | 0.020876 (0.0140600, 0.0308946) |
| DI Yogyakarta | Cirrhosis                                                | 80  | 676.2 (447.2, 985.2)          | 0.029058 (0.0192152, 0.0423361) | 839.5 (539.6, 1,200.8)        | 0.023890 (0.0153563, 0.0341733) |
| DI Yogyakarta | Chronic respiratory diseases                             | 80  | 3,020.6 (2,198.4, 3,906.7)    | 0.129795 (0.0944668, 0.1678692) | 3,002.0 (2,092.7, 3,946.2)    | 0.085430 (0.0595542, 0.1122993) |
| DI Yogyakarta | Other non-communicable diseases                          | 80  | 3,889.5 (2,977.8, 4,854.5)    | 0.167133 (0.1279581, 0.2086000) | 6,642.9 (5,351.3, 8,183.1)    | 0.189041 (0.1522839, 0.2328725) |
| DI Yogyakarta | Drowning                                                 | 80  | 73.9 (24.4, 166.2)            | 0.003176 (0.0010487, 0.0071433) | 84.4 (25.5, 191.3)            | 0.002402 (0.0007257, 0.0054446) |
| DI Yogyakarta | Falls                                                    | 80  | 1,218.4 (710.3, 1,876.4)      | 0.052355 (0.0305213, 0.0806307) | 1,401.6 (866.1, 2,109.5)      | 0.039885 (0.0246483, 0.0600318) |
| DI Yogyakarta | Interpersonal violence                                   | 80  | 3.3 (0.6, 9.3)                | 0.000140 (0.0000244, 0.0004000) | 2.7 (0.5, 8.4)                | 0.000077 (0.0000140, 0.0002396) |
| DI Yogyakarta | Self-harm                                                | 80  | 38.9 (13.3, 86.1)             | 0.001670 (0.0005725, 0.0036986) | 23.6 (7.6, 57.4)              | 0.000671 (0.0002150, 0.0016339) |
| DI Yogyakarta | Transport injuries                                       | 80  | 629.5 (290.2, 1,114.0)        | 0.027049 (0.0124717, 0.0478704) | 428.5 (183.1, 812.0)          | 0.012194 (0.0052114, 0.0231089) |
| DI Yogyakarta | Other unintentional injuries                             | 80  | 157.1 (74.0, 285.8)           | 0.006751 (0.0031799, 0.0122830) | 106.8 (46.9, 199.5)           | 0.003038 (0.0013351, 0.0056781) |
| DI Yogyakarta | Diarrheal diseases                                       | All | 17,654.6 (12,102.8, 24,958.2) | 0.009654 (0.0066184, 0.0136484) | 20,921.9 (15,332.3, 28,233.9) | 0.011218 (0.0082205, 0.0151379) |
| DI Yogyakarta | HIV/AIDS                                                 | All | 2,114.1 (534.1, 5,033.1)      | 0.001156 (0.0002921, 0.0027524) | 1,387.6 (343.7, 3,354.0)      | 0.000744 (0.0001843, 0.0017983) |
| DI Yogyakarta | Lower respiratory infections                             | All | 10,185.3 (6,219.7, 15,088.7)  | 0.005570 (0.0034012, 0.0082512) | 8,612.1 (5,399.2, 12,517.5)   | 0.004618 (0.0028949, 0.0067114) |
| DI Yogyakarta | Malaria                                                  | All | 161.1 (10.1, 710.6)           | 0.000088 (0.0000055, 0.0003886) | 90.3 (5.4, 385.7)             | 0.000048 (0.0000029, 0.0002068) |
| DI Yogyakarta | Tuberculosis                                             | All | 20,533.3 (12,874.7, 29,877.2) | 0.011229 (0.0070405, 0.0163383) | 11,676.0 (7,475.4, 17,192.0)  | 0.006260 (0.0040080, 0.0092177) |
| DI Yogyakarta | Maternal disorders                                       | All |                               |                                 | 1,357.0 (736.6, 2,265.0)      | 0.000728 (0.0003950, 0.0012144) |
| DI Yogyakarta | Neonatal encephalopathy due to birth asphyxia and trauma | All | 12,394.7 (5,495.0, 22,169.9)  | 0.006778 (0.0030049, 0.0121236) | 9,137.4 (4,098.3, 16,491.8)   | 0.004899 (0.0021973, 0.0088423) |
| DI Yogyakarta | Preterm birth complications                              | All | 12,732.6 (5,483.6, 22,737.3)  | 0.006963 (0.0029987, 0.0124339) | 11,945.1 (5,602.8, 21,776.4)  | 0.006405 (0.0030040, 0.0116756) |
| DI Yogyakarta | Other neonatal disorders                                 | All | 3,501.9 (711.3, 9,258.6)      | 0.001915 (0.0003890, 0.0050630) | 2,431.7 (471.5, 6,439.9)      | 0.001304 (0.0002528, 0.0034528) |
| DI Yogyakarta | Other communicable diseases                              | All | 14,687.6 (9,897.7, 20,579.9)  | 0.008032 (0.0054125, 0.0112541) | 10,563.3 (7,030.0, 14,914.7)  | 0.005664 (0.0037692, 0.0079967) |
| DI Yogyakarta | Tracheal, bronchus, and lung cancer                      | All | 8,424.3 (4,178.5, 15,385.4)   | 0.004607 (0.0022850, 0.0084135) | 3,443.5 (1,566.4, 6,668.5)    | 0.001846 (0.0008398, 0.0035754) |
| DI Yogyakarta | Breast cancer                                            | All | 214.6 (79.4, 459.2)           | 0.000117 (0.0000434, 0.0002511) | 10,979.6 (6,147.7, 17,519.9)  | 0.005887 (0.0032962, 0.0093935) |
| DI Yogyakarta | Cervical cancer                                          | All |                               |                                 | 6,699.4 (2,712.9, 13,111.1)   | 0.003592 (0.0014546, 0.0070297) |
| DI Yogyakarta | Other malignant neoplasms                                | All | 22,600.3 (15,535.4, 31,844.1) | 0.012359 (0.0084955, 0.0174139) | 18,216.0 (11,833.2, 26,286.5) | 0.009767 (0.0063445, 0.0140938) |
| DI Yogyakarta | Cerebrovascular disease                                  | All | 64,187.6 (48,995.3, 81,409.1) | 0.035101 (0.0267930, 0.0445185) | 75,034.1 (61,860.1, 91,313.9) | 0.040230 (0.0331669, 0.0489589) |
| DI Yogyakarta | Ischemic heart disease                                   | All | 43,285.3 (30,878.1, 57,529.4) | 0.023671 (0.0168856, 0.0314599) | 28,879.1 (20,942.7, 38,703.0) | 0.015484 (0.0112287, 0.0207510) |
| DI Yogyakarta | Other cardiovascular and circulatory diseases            | All | 19,610.8 (13,296.6, 28,162.3) | 0.010724 (0.0072712, 0.0154006) | 24,306.2 (17,490.6, 33,522.9) | 0.013032 (0.0093777, 0.0179736) |

Aim 2 Supplementary Tables

| Location      | Cause group                                              | Age | Males         |                       |                          |                        | Females       |                       |                          |                        |
|---------------|----------------------------------------------------------|-----|---------------|-----------------------|--------------------------|------------------------|---------------|-----------------------|--------------------------|------------------------|
|               |                                                          |     | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                       | YLLs per capita (95% UI) |                        |
| DI Yogyakarta | Diabetes mellitus                                        | All | 16,575.1      | (11,473.8, 22,759.6)  | 0.009064                 | (0.0062744, 0.0124461) | 20,480.0      | (14,670.7, 28,050.7)  | 0.010981                 | (0.0078658, 0.0150397) |
| DI Yogyakarta | Chronic kidney disease                                   | All | 13,878.1      | (9,515.3, 19,511.3)   | 0.007589                 | (0.0052034, 0.0106697) | 10,252.3      | (7,051.8, 14,927.0)   | 0.005497                 | (0.0037809, 0.0080032) |
| DI Yogyakarta | Cirrhosis                                                | All | 14,839.0      | (9,789.0, 21,778.4)   | 0.008115                 | (0.0053531, 0.0119095) | 9,995.5       | (6,467.6, 14,447.2)   | 0.005359                 | (0.0034677, 0.0077460) |
| DI Yogyakarta | Chronic respiratory diseases                             | All | 23,312.5      | (15,834.5, 32,207.4)  | 0.012748                 | (0.0086591, 0.0176126) | 16,046.2      | (11,232.3, 21,781.0)  | 0.008603                 | (0.0060223, 0.0116781) |
| DI Yogyakarta | Other non-communicable diseases                          | All | 40,990.6      | (31,694.4, 51,610.0)  | 0.022416                 | (0.0173321, 0.0282229) | 42,909.9      | (33,616.8, 53,761.6)  | 0.023007                 | (0.0180240, 0.0288248) |
| DI Yogyakarta | Drowning                                                 | All | 3,541.8       | (1,802.0, 6,031.6)    | 0.001937                 | (0.0009854, 0.0032984) | 1,498.4       | (679.5, 2,608.4)      | 0.000803                 | (0.0003643, 0.0013985) |
| DI Yogyakarta | Falls                                                    | All | 9,750.7       | (5,156.1, 17,230.8)   | 0.005332                 | (0.0028196, 0.0094226) | 7,329.6       | (4,120.2, 12,079.2)   | 0.003930                 | (0.0022091, 0.0064764) |
| DI Yogyakarta | Interpersonal violence                                   | All | 703.8         | (303.5, 1,368.6)      | 0.000385                 | (0.0001660, 0.0007484) | 464.8         | (193.4, 946.2)        | 0.000249                 | (0.0001037, 0.0005073) |
| DI Yogyakarta | Self-harm                                                | All | 2,662.6       | (1,183.7, 5,074.0)    | 0.001456                 | (0.0006473, 0.0027747) | 1,411.3       | (576.7, 2,861.4)      | 0.000757                 | (0.0003092, 0.0015342) |
| DI Yogyakarta | Transport injuries                                       | All | 40,308.4      | (28,841.3, 54,546.3)  | 0.022043                 | (0.0157718, 0.0298286) | 15,924.8      | (10,737.2, 22,089.4)  | 0.008538                 | (0.0057569, 0.0118435) |
| DI Yogyakarta | Other unintentional injuries                             | All | 7,228.4       | (4,422.5, 10,875.2)   | 0.003953                 | (0.0024184, 0.0059471) | 3,135.3       | (1,848.9, 4,899.8)    | 0.001681                 | (0.0009913, 0.0026271) |
| Jawa Timur    | Diarrheal diseases                                       | NN  | 4,935.2       | (2,152.9, 8,673.0)    | 0.196258                 | (0.0856140, 0.3449005) | 4,195.8       | (1,929.4, 7,704.7)    | 0.172540                 | (0.0793427, 0.3168315) |
| Jawa Timur    | Lower respiratory infections                             | NN  | 36,658.6      | (18,280.5, 58,552.8)  | 1.457805                 | (0.7269619, 2.3284719) | 22,491.6      | (11,525.5, 39,237.4)  | 0.924898                 | (0.4739520, 1.6135190) |
| Jawa Timur    | Malaria                                                  | NN  | 9.8           | (1.1, 41.3)           | 0.000391                 | (0.0000422, 0.0016426) | 6.0           | (0.7, 24.4)           | 0.000245                 | (0.0000268, 0.0010032) |
| Jawa Timur    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 89,584.7      | (44,826.4, 143,787.8) | 3.562518                 | (1.7826130, 5.7180152) | 60,773.4      | (30,089.7, 102,942.7) | 2.499119                 | (1.2373470, 4.2332039) |
| Jawa Timur    | Preterm birth complications                              | NN  | 139,634.9     | (71,486.6, 215,877.1) | 5.552869                 | (2.8428099, 8.5847969) | 122,151.2     | (63,676.1, 198,969.7) | 5.023095                 | (2.6184840, 8.1820202) |
| Jawa Timur    | Other neonatal disorders                                 | NN  | 18,285.2      | (6,926.0, 36,002.4)   | 0.727150                 | (0.2754263, 1.4317091) | 11,677.0      | (4,206.8, 24,746.9)   | 0.480183                 | (0.1729913, 1.0176400) |
| Jawa Timur    | Other communicable diseases                              | NN  | 5,311.1       | (2,304.7, 9,680.1)    | 0.211206                 | (0.0916517, 0.3849474) | 3,173.0       | (1,429.4, 5,895.0)    | 0.130481                 | (0.0587782, 0.2424124) |
| Jawa Timur    | Other malignant neoplasms                                | NN  | 4,811.4       | (2,037.2, 9,103.0)    | 0.191334                 | (0.0810119, 0.3619993) | 3,922.5       | (1,663.9, 7,593.0)    | 0.161302                 | (0.0684214, 0.3122389) |
| Jawa Timur    | Cerebrovascular disease                                  | NN  | 839.8         | (207.2, 2,168.9)      | 0.033395                 | (0.0082395, 0.0862509) | 884.2         | (253.7, 2,182.4)      | 0.036360                 | (0.0104311, 0.0897449) |
| Jawa Timur    | Other cardiovascular and circulatory diseases            | NN  | 621.5         | (149.1, 1,582.4)      | 0.024716                 | (0.0059305, 0.0629278) | 633.8         | (136.1, 1,621.8)      | 0.026063                 | (0.0055947, 0.0666935) |
| Jawa Timur    | Diabetes mellitus                                        | NN  | 260.8         | (1.2, 1,923.6)        | 0.010372                 | (0.0000476, 0.0764965) | 301.1         | (1.9, 2,601.2)        | 0.012384                 | (0.0000765, 0.1069675) |
| Jawa Timur    | Other non-communicable diseases                          | NN  | 56,735.8      | (28,670.7, 89,947.8)  | 2.256215                 | (1.1401490, 3.5769601) | 52,939.1      | (27,866.1, 86,264.2)  | 2.176959                 | (1.1459080, 3.5473499) |
| Jawa Timur    | Drowning                                                 | NN  | 2,457.2       | (918.0, 4,940.4)      | 0.097715                 | (0.0365050, 0.1964670) | 682.8         | (232.5, 1,521.4)      | 0.028077                 | (0.0095598, 0.0625636) |
| Jawa Timur    | Falls                                                    | NN  | 1,592.9       | (548.5, 3,347.0)      | 0.063344                 | (0.0218111, 0.1331000) | 598.3         | (199.8, 1,332.0)      | 0.024605                 | (0.0082168, 0.0547759) |
| Jawa Timur    | Interpersonal violence                                   | NN  | 666.8         | (205.7, 1,470.0)      | 0.026518                 | (0.0081808, 0.0584561) | 418.7         | (123.0, 1,058.1)      | 0.017219                 | (0.0050600, 0.0435091) |
| Jawa Timur    | Transport injuries                                       | NN  | 3,089.7       | (1,194.2, 5,890.3)    | 0.122870                 | (0.0474886, 0.2342409) | 844.3         | (337.8, 1,712.5)      | 0.034720                 | (0.0138925, 0.0704227) |
| Jawa Timur    | Other unintentional injuries                             | NN  | 6,114.8       | (2,661.7, 11,160.8)   | 0.243167                 | (0.1058473, 0.4438305) | 2,177.9       | (930.6, 4,393.3)      | 0.089560                 | (0.0382679, 0.1806619) |
| Jawa Timur    | Diarrheal diseases                                       | PNN | 1,681.0       | (835.8, 2,741.4)      | 0.005356                 | (0.0026629, 0.0087345) | 1,662.1       | (841.5, 2,754.6)      | 0.005476                 | (0.0027726, 0.0090754) |
| Jawa Timur    | HIV/AIDS                                                 | PNN | 211.3         | (85.1, 411.9)         | 0.000673                 | (0.0002713, 0.0013122) | 144.9         | (55.4, 292.8)         | 0.000477                 | (0.0001826, 0.0009646) |
| Jawa Timur    | Lower respiratory infections                             | PNN | 866.6         | (441.1, 1,383.9)      | 0.002761                 | (0.0014054, 0.0044092) | 595.2         | (289.0, 1,023.3)      | 0.001961                 | (0.0009520, 0.0033714) |
| Jawa Timur    | Malaria                                                  | PNN | 3.3           | (0.4, 12.7)           | 0.000010                 | (0.0000012, 0.0000405) | 2.3           | (0.3, 8.8)            | 0.000008                 | (0.0000009, 0.0000290) |
| Jawa Timur    | Tuberculosis                                             | PNN | 134.1         | (63.9, 234.5)         | 0.000427                 | (0.0002037, 0.0007472) | 95.5          | (40.8, 181.2)         | 0.000315                 | (0.0001343, 0.0005970) |
| Jawa Timur    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 71.6          | (21.6, 173.8)         | 0.000228                 | (0.0000688, 0.0005536) | 52.0          | (14.2, 129.9)         | 0.000171                 | (0.0000468, 0.0004280) |
| Jawa Timur    | Preterm birth complications                              | PNN | 383.0         | (141.2, 773.9)        | 0.001220                 | (0.0004500, 0.0024659) | 416.9         | (162.6, 813.9)        | 0.001374                 | (0.0005358, 0.0026814) |
| Jawa Timur    | Other neonatal disorders                                 | PNN | 52.7          | (14.0, 131.1)         | 0.000168                 | (0.0000447, 0.0004176) | 37.8          | (9.7, 98.0)           | 0.000125                 | (0.0000318, 0.0003228) |
| Jawa Timur    | Other communicable diseases                              | PNN | 2,004.9       | (990.5, 3,180.2)      | 0.006388                 | (0.0031558, 0.0101323) | 1,397.9       | (681.5, 2,373.9)      | 0.004605                 | (0.0022454, 0.0078210) |
| Jawa Timur    | Other malignant neoplasms                                | PNN | 84.6          | (36.4, 159.4)         | 0.000270                 | (0.0001160, 0.0005078) | 74.0          | (32.8, 140.9)         | 0.000244                 | (0.0001081, 0.0004643) |
| Jawa Timur    | Cerebrovascular disease                                  | PNN | 14.7          | (3.8, 35.1)           | 0.000047                 | (0.0000121, 0.0001118) | 16.8          | (4.8, 41.9)           | 0.000056                 | (0.0000157, 0.0001382) |
| Jawa Timur    | Ischemic heart disease                                   | PNN | 7.8           | (0.5, 36.6)           | 0.000025                 | (0.0000017, 0.0001167) | 9.0           | (0.6, 41.9)           | 0.000030                 | (0.0000021, 0.0001379) |
| Jawa Timur    | Other cardiovascular and circulatory diseases            | PNN | 10.9          | (2.8, 27.5)           | 0.000035                 | (0.0000089, 0.0000876) | 11.9          | (2.9, 30.8)           | 0.000039                 | (0.0000097, 0.0001016) |
| Jawa Timur    | Diabetes mellitus                                        | PNN | 4.4           | (0.0, 35.1)           | 0.000014                 | (0.0000001, 0.0001118) | 5.7           | (0.0, 44.0)           | 0.000019                 | (0.0000001, 0.0001450) |
| Jawa Timur    | Chronic kidney disease                                   | PNN | 65.9          | (26.1, 138.4)         | 0.000210                 | (0.0000830, 0.0004409) | 59.7          | (22.1, 124.3)         | 0.000197                 | (0.0000729, 0.0004095) |
| Jawa Timur    | Other non-communicable diseases                          | PNN | 989.5         | (501.1, 1,548.9)      | 0.003153                 | (0.0015967, 0.0049348) | 992.2         | (497.6, 1,621.0)      | 0.003269                 | (0.0016394, 0.0053405) |
| Jawa Timur    | Drowning                                                 | PNN | 53.2          | (20.7, 98.6)          | 0.000170                 | (0.0000659, 0.0003140) | 15.9          | (5.7, 34.4)           | 0.000052                 | (0.0000188, 0.0001132) |
| Jawa Timur    | Falls                                                    | PNN | 33.0          | (13.1, 67.7)          | 0.000105                 | (0.0000416, 0.0002157) | 13.3          | (4.7, 28.1)           | 0.000044                 | (0.0000155, 0.0000926) |
| Jawa Timur    | Interpersonal violence                                   | PNN | 13.6          | (4.6, 29.2)           | 0.000043                 | (0.0000146, 0.0000929) | 9.1           | (2.8, 20.8)           | 0.000030                 | (0.0000093, 0.0000686) |
| Jawa Timur    | Transport injuries                                       | PNN | 65.8          | (27.1, 123.5)         | 0.000210                 | (0.0000865, 0.0003934) | 19.4          | (8.3, 38.6)           | 0.000064                 | (0.0000273, 0.0001272) |
| Jawa Timur    | Other unintentional injuries                             | PNN | 124.2         | (57.0, 221.7)         | 0.000396                 | (0.0001815, 0.0007064) | 47.6          | (21.0, 89.0)          | 0.000157                 | (0.0000693, 0.0002932) |
| Jawa Timur    | Diarrheal diseases                                       | 1   | 12,514.9      | (4,968.5, 24,837.6)   | 0.009447                 | (0.0037505, 0.0187487) | 12,839.0      | (5,536.3, 24,614.3)   | 0.009992                 | (0.0043084, 0.0191552) |

Aim 2 Supplementary Tables

| Location   | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Timur | HIV/AIDS                                                 | 1   | 3,760.1       | (1,216.1, 8,594.7)   | 0.002838                 | (0.0009180, 0.0064877) | 2,684.7       | (974.6, 5,604.6)     | 0.002089                 | (0.0007584, 0.0043616) |
| Jawa Timur | Lower respiratory infections                             | 1   | 15,083.6      | (5,996.1, 30,474.0)  | 0.011386                 | (0.0045262, 0.0230034) | 10,805.2      | (4,619.8, 20,748.4)  | 0.008409                 | (0.0035952, 0.0161466) |
| Jawa Timur | Malaria                                                  | 1   | 19.6          | (1.9, 73.0)          | 0.000015                 | (0.0000015, 0.0000551) | 14.1          | (1.6, 55.0)          | 0.000011                 | (0.0000012, 0.0000428) |
| Jawa Timur | Tuberculosis                                             | 1   | 2,531.2       | (971.0, 5,318.1)     | 0.001911                 | (0.0007330, 0.0040144) | 1,873.8       | (712.0, 3,751.7)     | 0.001458                 | (0.0005541, 0.0029196) |
| Jawa Timur | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 634.2         | (137.4, 1,804.9)     | 0.000479                 | (0.0001038, 0.0013625) | 455.2         | (109.3, 1,288.9)     | 0.000354                 | (0.0000851, 0.0010031) |
| Jawa Timur | Preterm birth complications                              | 1   | 657.9         | (113.6, 2,016.3)     | 0.000497                 | (0.0000858, 0.0015220) | 710.1         | (122.2, 2,137.1)     | 0.000553                 | (0.0000951, 0.0016632) |
| Jawa Timur | Other neonatal disorders                                 | 1   | 71.9          | (0.5, 522.3)         | 0.000054                 | (0.0000004, 0.0003943) | 50.5          | (0.3, 385.4)         | 0.000039                 | (0.0000002, 0.0002999) |
| Jawa Timur | Other communicable diseases                              | 1   | 31,802.7      | (12,999.4, 64,427.0) | 0.024006                 | (0.0098126, 0.0486328) | 23,509.2      | (10,764.9, 45,223.4) | 0.018295                 | (0.0083774, 0.0351934) |
| Jawa Timur | Other malignant neoplasms                                | 1   | 1,023.5       | (368.0, 2,257.0)     | 0.000773                 | (0.0002778, 0.0017037) | 968.3         | (373.3, 2,109.8)     | 0.000754                 | (0.0002905, 0.0016419) |
| Jawa Timur | Cerebrovascular disease                                  | 1   | 194.1         | (50.1, 536.0)        | 0.000147                 | (0.0000378, 0.0004046) | 239.8         | (66.6, 638.2)        | 0.000187                 | (0.0000518, 0.0004966) |
| Jawa Timur | Ischemic heart disease                                   | 1   | 105.9         | (7.3, 505.2)         | 0.000080                 | (0.0000055, 0.0003813) | 131.7         | (8.4, 600.1)         | 0.000103                 | (0.0000065, 0.0004670) |
| Jawa Timur | Other cardiovascular and circulatory diseases            | 1   | 133.2         | (31.8, 344.9)        | 0.000101                 | (0.0000240, 0.0002604) | 157.0         | (36.9, 399.4)        | 0.000122                 | (0.0000287, 0.0003108) |
| Jawa Timur | Diabetes mellitus                                        | 1   | 57.6          | (0.2, 442.4)         | 0.000044                 | (0.0000002, 0.0003339) | 79.8          | (0.4, 651.4)         | 0.000062                 | (0.0000003, 0.0005069) |
| Jawa Timur | Chronic kidney disease                                   | 1   | 770.9         | (256.9, 1,794.9)     | 0.000582                 | (0.0001939, 0.0013549) | 750.3         | (276.9, 1,735.6)     | 0.000584                 | (0.0002155, 0.0013506) |
| Jawa Timur | Cirrhosis                                                | 1   | 1,099.1       | (342.7, 2,640.4)     | 0.000830                 | (0.0002587, 0.0019931) | 594.5         | (191.6, 1,389.3)     | 0.000463                 | (0.0001491, 0.0010812) |
| Jawa Timur | Chronic respiratory diseases                             | 1   | 1,631.5       | (519.2, 3,746.4)     | 0.001232                 | (0.0003919, 0.0028280) | 660.2         | (203.7, 1,508.9)     | 0.000514                 | (0.0001585, 0.0011743) |
| Jawa Timur | Other non-communicable diseases                          | 1   | 11,972.4      | (4,960.5, 23,686.4)  | 0.009037                 | (0.0037445, 0.0178797) | 12,918.7      | (5,932.8, 24,532.1)  | 0.010054                 | (0.0046170, 0.0190911) |
| Jawa Timur | Drowning                                                 | 1   | 2,674.8       | (932.3, 5,823.6)     | 0.002019                 | (0.0007038, 0.0043960) | 839.8         | (299.1, 1,842.4)     | 0.000654                 | (0.0002327, 0.0014338) |
| Jawa Timur | Falls                                                    | 1   | 1,141.9       | (388.4, 2,588.8)     | 0.000862                 | (0.0002932, 0.0019541) | 486.2         | (170.9, 1,088.4)     | 0.000378                 | (0.0001330, 0.0008470) |
| Jawa Timur | Interpersonal violence                                   | 1   | 390.0         | (114.3, 969.6)       | 0.000294                 | (0.0000862, 0.0007319) | 271.9         | (81.1, 635.1)        | 0.000212                 | (0.0000631, 0.0004942) |
| Jawa Timur | Transport injuries                                       | 1   | 2,930.3       | (1,084.8, 6,529.2)   | 0.002212                 | (0.0008189, 0.0049285) | 910.3         | (344.5, 1,944.9)     | 0.000708                 | (0.0002681, 0.0015135) |
| Jawa Timur | Other unintentional injuries                             | 1   | 3,709.1       | (1,359.5, 7,857.7)   | 0.002800                 | (0.0010262, 0.0059314) | 1,500.6       | (590.6, 3,138.1)     | 0.001168                 | (0.0004596, 0.0024421) |
| Jawa Timur | Diarrheal diseases                                       | 5   | 7,639.8       | (5,206.4, 10,845.5)  | 0.004475                 | (0.0030495, 0.0063525) | 7,656.1       | (5,500.1, 10,308.4)  | 0.004721                 | (0.0033915, 0.0063563) |
| Jawa Timur | HIV/AIDS                                                 | 5   | 1,651.4       | (589.3, 3,518.7)     | 0.000967                 | (0.0003452, 0.0020610) | 1,139.1       | (430.4, 2,269.5)     | 0.000702                 | (0.0002654, 0.0013994) |
| Jawa Timur | Lower respiratory infections                             | 5   | 6,091.8       | (3,926.1, 8,733.1)   | 0.003568                 | (0.0022996, 0.0051152) | 4,238.6       | (2,775.9, 6,062.5)   | 0.002614                 | (0.0017117, 0.0037383) |
| Jawa Timur | Malaria                                                  | 5   | 11.8          | (1.6, 37.2)          | 0.000007                 | (0.0000009, 0.0000218) | 8.4           | (1.3, 27.6)          | 0.000005                 | (0.0000008, 0.0000170) |
| Jawa Timur | Tuberculosis                                             | 5   | 1,472.2       | (910.1, 2,304.3)     | 0.000862                 | (0.0005330, 0.0013497) | 1,058.7       | (641.6, 1,604.7)     | 0.000653                 | (0.0003956, 0.0009895) |
| Jawa Timur | Other communicable diseases                              | 5   | 19,199.6      | (14,256.3, 25,637.5) | 0.011246                 | (0.0083503, 0.0150165) | 13,867.6      | (10,712.6, 17,855.6) | 0.008551                 | (0.0066056, 0.0110101) |
| Jawa Timur | Other malignant neoplasms                                | 5   | 5,142.6       | (3,197.2, 7,657.8)   | 0.003012                 | (0.0018727, 0.0044854) | 4,817.9       | (3,275.5, 6,843.5)   | 0.002971                 | (0.0020198, 0.0042198) |
| Jawa Timur | Cerebrovascular disease                                  | 5   | 677.0         | (326.6, 1,236.3)     | 0.000397                 | (0.0001913, 0.0007242) | 823.3         | (435.2, 1,433.7)     | 0.000508                 | (0.0002683, 0.0008841) |
| Jawa Timur | Ischemic heart disease                                   | 5   | 413.6         | (160.9, 836.0)       | 0.000242                 | (0.0000942, 0.0004896) | 501.5         | (209.9, 967.2)       | 0.000309                 | (0.0001294, 0.0005964) |
| Jawa Timur | Other cardiovascular and circulatory diseases            | 5   | 522.7         | (231.7, 1,060.8)     | 0.000306                 | (0.0001357, 0.0006214) | 596.2         | (289.8, 1,115.5)     | 0.000368                 | (0.0001787, 0.0006878) |
| Jawa Timur | Diabetes mellitus                                        | 5   | 533.2         | (214.2, 1,149.0)     | 0.000312                 | (0.0001255, 0.0006730) | 803.2         | (342.3, 1,655.9)     | 0.000495                 | (0.0002110, 0.0010210) |
| Jawa Timur | Chronic kidney disease                                   | 5   | 1,349.9       | (694.6, 2,440.5)     | 0.000791                 | (0.0004069, 0.0014295) | 1,302.9       | (717.9, 2,143.2)     | 0.000803                 | (0.0004426, 0.0013215) |
| Jawa Timur | Cirrhosis                                                | 5   | 2,447.4       | (1,382.2, 4,162.0)   | 0.001434                 | (0.0008096, 0.0024378) | 1,325.2       | (766.8, 2,155.0)     | 0.000817                 | (0.0004728, 0.0013288) |
| Jawa Timur | Chronic respiratory diseases                             | 5   | 1,079.6       | (534.0, 1,891.7)     | 0.000632                 | (0.0003128, 0.0011080) | 426.5         | (204.7, 746.7)       | 0.000263                 | (0.0001262, 0.0004604) |
| Jawa Timur | Other non-communicable diseases                          | 5   | 9,108.7       | (6,319.0, 12,525.6)  | 0.005335                 | (0.0037012, 0.0073366) | 9,740.4       | (7,177.6, 12,753.3)  | 0.006006                 | (0.0044259, 0.0078640) |
| Jawa Timur | Drowning                                                 | 5   | 10,034.3      | (6,295.6, 14,956.2)  | 0.005877                 | (0.0036875, 0.0087602) | 4,024.9       | (2,455.9, 5,947.6)   | 0.002482                 | (0.0015144, 0.0036674) |
| Jawa Timur | Falls                                                    | 5   | 2,092.4       | (1,183.8, 3,535.6)   | 0.001226                 | (0.0006934, 0.0020709) | 1,077.1       | (617.1, 1,863.0)     | 0.000664                 | (0.0003805, 0.0011487) |
| Jawa Timur | Interpersonal violence                                   | 5   | 323.0         | (134.2, 708.5)       | 0.000189                 | (0.0000786, 0.0004150) | 271.9         | (117.4, 539.1)       | 0.000168                 | (0.0000724, 0.0003324) |
| Jawa Timur | Transport injuries                                       | 5   | 10,249.5      | (6,827.2, 14,704.7)  | 0.006003                 | (0.0039989, 0.0086129) | 4,089.7       | (2,685.0, 5,878.8)   | 0.002522                 | (0.0016556, 0.0036250) |
| Jawa Timur | Other unintentional injuries                             | 5   | 3,558.0       | (2,096.6, 5,580.3)   | 0.002084                 | (0.0012280, 0.0032685) | 1,749.6       | (1,060.3, 2,687.4)   | 0.001079                 | (0.0006538, 0.0016571) |
| Jawa Timur | Diarrheal diseases                                       | 10  | 3,937.7       | (2,653.7, 5,589.1)   | 0.002278                 | (0.0015352, 0.0032335) | 3,346.3       | (2,270.0, 4,684.7)   | 0.002049                 | (0.0013899, 0.0028683) |
| Jawa Timur | HIV/AIDS                                                 | 10  | 1,683.2       | (847.6, 2,994.7)     | 0.000974                 | (0.0004904, 0.0017325) | 998.9         | (493.2, 1,766.8)     | 0.000612                 | (0.0003020, 0.0010818) |
| Jawa Timur | Lower respiratory infections                             | 10  | 3,930.9       | (2,660.1, 5,455.7)   | 0.002274                 | (0.0015390, 0.0031563) | 2,257.6       | (1,570.3, 3,196.9)   | 0.001382                 | (0.0009615, 0.0019574) |
| Jawa Timur | Malaria                                                  | 10  | 25.5          | (4.1, 80.4)          | 0.000015                 | (0.0000023, 0.0000465) | 15.9          | (2.6, 53.1)          | 0.000010                 | (0.0000016, 0.0000325) |
| Jawa Timur | Tuberculosis                                             | 10  | 3,554.9       | (2,451.9, 4,934.9)   | 0.002057                 | (0.0014185, 0.0028550) | 2,209.1       | (1,509.0, 3,075.8)   | 0.001353                 | (0.0009239, 0.0018832) |
| Jawa Timur | Maternal disorders                                       | 10  |               |                      |                          |                        | 331.7         | (56.0, 867.2)        | 0.000203                 | (0.0000343, 0.0005310) |
| Jawa Timur | Other communicable diseases                              | 10  | 14,992.2      | (11,761.9, 19,097.5) | 0.008674                 | (0.0068047, 0.0110486) | 8,881.6       | (6,929.7, 11,233.7)  | 0.005438                 | (0.0042429, 0.0068781) |
| Jawa Timur | Other malignant neoplasms                                | 10  | 7,516.4       | (5,583.2, 10,009.5)  | 0.004349                 | (0.0032301, 0.0057909) | 6,258.5       | (4,739.5, 8,169.0)   | 0.003832                 | (0.0029019, 0.0050017) |
| Jawa Timur | Cerebrovascular disease                                  | 10  | 1,133.1       | (694.1, 1,728.8)     | 0.000656                 | (0.0004015, 0.0010002) | 1,124.7       | (689.3, 1,670.5)     | 0.000689                 | (0.0004221, 0.0010228) |



Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Timur | Ischemic heart disease                        | 10  | 1,051.2       | (641.4, 1,643.8)     | 0.000608                 | (0.0003711, 0.0009510) | 1,033.0       | (646.1, 1,558.1)     | 0.000633                 | (0.0003956, 0.0009540) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 10  | 799.4         | (448.8, 1,315.6)     | 0.000463                 | (0.0002596, 0.0007611) | 772.4         | (461.8, 1,256.1)     | 0.000473                 | (0.0002828, 0.0007691) |
| Jawa Timur | Diabetes mellitus                             | 10  | 780.7         | (430.1, 1,286.4)     | 0.000452                 | (0.0002488, 0.0007442) | 1,006.4       | (566.5, 1,622.4)     | 0.000616                 | (0.0003469, 0.0009933) |
| Jawa Timur | Chronic kidney disease                        | 10  | 1,954.8       | (1,259.9, 2,816.9)   | 0.001131                 | (0.0007289, 0.0016297) | 1,627.4       | (1,069.3, 2,354.1)   | 0.000996                 | (0.0006547, 0.0014414) |
| Jawa Timur | Cirrhosis                                     | 10  | 2,863.2       | (1,950.3, 4,066.2)   | 0.001657                 | (0.0011283, 0.0023524) | 1,296.5       | (850.1, 1,897.8)     | 0.000794                 | (0.0005205, 0.0011620) |
| Jawa Timur | Chronic respiratory diseases                  | 10  | 2,099.1       | (1,299.1, 3,120.4)   | 0.001214                 | (0.0007516, 0.0018052) | 757.2         | (454.1, 1,185.0)     | 0.000464                 | (0.0002780, 0.0007255) |
| Jawa Timur | Other non-communicable diseases               | 10  | 10,845.6      | (8,467.2, 13,804.4)  | 0.006275                 | (0.0048986, 0.0079863) | 9,561.0       | (7,653.8, 11,811.2)  | 0.005854                 | (0.0046862, 0.0072317) |
| Jawa Timur | Drowning                                      | 10  | 5,044.4       | (3,108.4, 7,582.2)   | 0.002918                 | (0.0017983, 0.0043866) | 1,463.4       | (795.9, 2,464.0)     | 0.000896                 | (0.0004873, 0.0015087) |
| Jawa Timur | Falls                                         | 10  | 1,836.0       | (1,052.4, 3,095.6)   | 0.001062                 | (0.0006089, 0.0017909) | 716.9         | (408.3, 1,258.9)     | 0.000439                 | (0.0002500, 0.0007708) |
| Jawa Timur | Interpersonal violence                        | 10  | 510.6         | (289.8, 903.4)       | 0.000295                 | (0.0001677, 0.0005226) | 350.1         | (190.7, 587.3)       | 0.000214                 | (0.0001168, 0.0003596) |
| Jawa Timur | Self-harm                                     | 10  | 1,076.2       | (499.3, 2,024.7)     | 0.000623                 | (0.0002888, 0.0011713) | 635.3         | (304.4, 1,147.2)     | 0.000389                 | (0.0001864, 0.0007024) |
| Jawa Timur | Transport injuries                            | 10  | 15,401.8      | (11,679.2, 20,116.1) | 0.008911                 | (0.0067568, 0.0116379) | 4,988.3       | (3,592.6, 6,698.3)   | 0.003054                 | (0.0021997, 0.0041012) |
| Jawa Timur | Other unintentional injuries                  | 10  | 3,554.5       | (2,380.9, 5,237.2)   | 0.002056                 | (0.0013774, 0.0030299) | 1,379.1       | (925.5, 2,112.7)     | 0.000844                 | (0.0005667, 0.0012936) |
| Jawa Timur | Diarrheal diseases                            | 15  | 3,149.5       | (1,841.4, 4,810.5)   | 0.001995                 | (0.0011664, 0.0030471) | 1,622.4       | (986.0, 2,460.4)     | 0.001050                 | (0.0006383, 0.0015927) |
| Jawa Timur | HIV/AIDS                                      | 15  | 2,010.7       | (935.7, 3,929.6)     | 0.001274                 | (0.0005927, 0.0024891) | 729.3         | (324.4, 1,430.7)     | 0.000472                 | (0.0002100, 0.0009262) |
| Jawa Timur | Lower respiratory infections                  | 15  | 2,459.1       | (1,610.2, 3,606.9)   | 0.001558                 | (0.0010199, 0.0022847) | 816.7         | (523.4, 1,244.4)     | 0.000529                 | (0.0003388, 0.0008056) |
| Jawa Timur | Malaria                                       | 15  | 91.2          | (15.2, 293.0)        | 0.000058                 | (0.0000096, 0.0001856) | 32.4          | (5.1, 102.3)         | 0.000021                 | (0.0000033, 0.0000662) |
| Jawa Timur | Tuberculosis                                  | 15  | 8,551.1       | (6,129.6, 11,603.2)  | 0.005416                 | (0.0038826, 0.0073497) | 2,764.4       | (1,978.5, 3,777.6)   | 0.001790                 | (0.0012808, 0.0024455) |
| Jawa Timur | Maternal disorders                            | 15  |               |                      |                          |                        | 2,952.6       | (1,899.7, 4,335.2)   | 0.001911                 | (0.0012298, 0.0028064) |
| Jawa Timur | Other communicable diseases                   | 15  | 14,777.3      | (10,789.9, 19,380.9) | 0.009360                 | (0.0068345, 0.0122762) | 5,311.2       | (4,019.1, 6,805.7)   | 0.003438                 | (0.0026018, 0.0044057) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 15  | 1,334.3       | (589.8, 2,512.8)     | 0.000845                 | (0.0003736, 0.0015917) | 307.0         | (118.6, 600.3)       | 0.000199                 | (0.0000768, 0.0003886) |
| Jawa Timur | Breast cancer                                 | 15  | 41.8          | (6.1, 150.4)         | 0.000027                 | (0.0000039, 0.0000953) | 778.6         | (271.7, 1,620.6)     | 0.000504                 | (0.0001759, 0.0010491) |
| Jawa Timur | Cervical cancer                               | 15  |               |                      |                          |                        | 639.7         | (227.2, 1,335.1)     | 0.000414                 | (0.0001471, 0.0008643) |
| Jawa Timur | Other malignant neoplasms                     | 15  | 10,348.7      | (7,468.7, 13,765.0)  | 0.006555                 | (0.0047308, 0.0087190) | 7,234.9       | (5,462.7, 9,382.3)   | 0.004684                 | (0.0035363, 0.0060737) |
| Jawa Timur | Cerebrovascular disease                       | 15  | 2,689.3       | (1,644.0, 4,014.5)   | 0.001703                 | (0.0010413, 0.0025429) | 1,700.8       | (1,035.3, 2,575.6)   | 0.001101                 | (0.0006702, 0.0016673) |
| Jawa Timur | Ischemic heart disease                        | 15  | 4,470.4       | (2,917.9, 6,153.8)   | 0.002832                 | (0.0018482, 0.0038979) | 2,241.3       | (1,545.9, 3,194.6)   | 0.001451                 | (0.0010007, 0.0020681) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 15  | 1,576.0       | (844.1, 2,594.8)     | 0.000998                 | (0.0005346, 0.0016436) | 1,076.3       | (587.7, 1,776.8)     | 0.000697                 | (0.0003804, 0.0011502) |
| Jawa Timur | Diabetes mellitus                             | 15  | 1,571.6       | (852.5, 2,674.9)     | 0.000996                 | (0.0005400, 0.0016944) | 1,442.4       | (801.9, 2,382.9)     | 0.000934                 | (0.0005191, 0.0015426) |
| Jawa Timur | Chronic kidney disease                        | 15  | 3,627.9       | (2,333.6, 5,415.9)   | 0.002298                 | (0.0014782, 0.0034305) | 2,129.2       | (1,386.3, 3,116.0)   | 0.001378                 | (0.0008974, 0.0020172) |
| Jawa Timur | Cirrhosis                                     | 15  | 4,356.3       | (2,843.6, 6,340.8)   | 0.002759                 | (0.0018012, 0.0040164) | 1,463.2       | (938.2, 2,236.0)     | 0.000947                 | (0.0006073, 0.0014475) |
| Jawa Timur | Chronic respiratory diseases                  | 15  | 2,125.1       | (1,264.3, 3,364.4)   | 0.001346                 | (0.0008008, 0.0021310) | 690.1         | (401.5, 1,096.3)     | 0.000447                 | (0.0002599, 0.0007097) |
| Jawa Timur | Other non-communicable diseases               | 15  | 16,416.0      | (12,149.4, 21,029.8) | 0.010398                 | (0.0076956, 0.0133207) | 9,659.5       | (7,590.0, 12,015.4)  | 0.006253                 | (0.0049134, 0.0077782) |
| Jawa Timur | Drowning                                      | 15  | 2,986.9       | (1,650.0, 4,773.8)   | 0.001892                 | (0.0010451, 0.0030238) | 690.2         | (363.6, 1,136.5)     | 0.000447                 | (0.0002354, 0.0007357) |
| Jawa Timur | Falls                                         | 15  | 1,950.5       | (1,190.4, 3,066.1)   | 0.001236                 | (0.0007540, 0.0019421) | 601.8         | (350.1, 977.0)       | 0.000390                 | (0.0002267, 0.0006325) |
| Jawa Timur | Interpersonal violence                        | 15  | 1,421.8       | (855.3, 2,230.4)     | 0.000901                 | (0.0005418, 0.0014128) | 696.7         | (417.0, 1,133.9)     | 0.000451                 | (0.0002699, 0.0007340) |
| Jawa Timur | Self-harm                                     | 15  | 2,576.1       | (1,398.9, 4,205.6)   | 0.001632                 | (0.0008861, 0.0026639) | 1,067.4       | (596.0, 1,814.2)     | 0.000691                 | (0.0003858, 0.0011744) |
| Jawa Timur | Transport injuries                            | 15  | 49,901.9      | (38,590.6, 61,219.5) | 0.031609                 | (0.0244440, 0.0387775) | 14,007.9      | (11,377.2, 16,911.7) | 0.009068                 | (0.0073651, 0.0109479) |
| Jawa Timur | Other unintentional injuries                  | 15  | 6,167.1       | (4,306.7, 8,531.8)   | 0.003906                 | (0.0027280, 0.0054042) | 1,778.6       | (1,221.7, 2,490.0)   | 0.001151                 | (0.0007909, 0.0016119) |
| Jawa Timur | Diarrheal diseases                            | 20  | 2,864.9       | (1,721.3, 4,490.7)   | 0.001987                 | (0.0011939, 0.0031149) | 1,568.1       | (990.8, 2,319.4)     | 0.001037                 | (0.0006553, 0.0015340) |
| Jawa Timur | HIV/AIDS                                      | 20  | 5,999.9       | (3,651.8, 9,255.6)   | 0.004162                 | (0.0025330, 0.0064200) | 2,236.4       | (1,365.3, 3,420.8)   | 0.001479                 | (0.0009029, 0.0022624) |
| Jawa Timur | Lower respiratory infections                  | 20  | 2,132.8       | (1,367.1, 3,290.9)   | 0.001479                 | (0.0009482, 0.0022827) | 652.1         | (410.9, 967.4)       | 0.000431                 | (0.0002717, 0.0006398) |
| Jawa Timur | Malaria                                       | 20  | 107.3         | (19.2, 346.3)        | 0.000074                 | (0.0000133, 0.0002402) | 40.8          | (6.1, 132.8)         | 0.000027                 | (0.0000040, 0.0000878) |
| Jawa Timur | Tuberculosis                                  | 20  | 16,036.1      | (11,728.0, 21,287.3) | 0.011123                 | (0.0081349, 0.0147655) | 4,634.6       | (3,324.8, 6,045.3)   | 0.003065                 | (0.0021989, 0.0039982) |
| Jawa Timur | Maternal disorders                            | 20  |               |                      |                          |                        | 2,979.8       | (2,018.0, 4,263.6)   | 0.001971                 | (0.0013346, 0.0028198) |
| Jawa Timur | Other communicable diseases                   | 20  | 17,254.9      | (12,422.5, 23,263.3) | 0.011969                 | (0.0086166, 0.0161361) | 6,566.4       | (5,032.0, 8,353.0)   | 0.004343                 | (0.0033280, 0.0055244) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 20  | 1,218.4       | (510.4, 2,430.0)     | 0.000845                 | (0.0003540, 0.0016855) | 435.4         | (189.3, 826.9)       | 0.000288                 | (0.0001252, 0.0005469) |
| Jawa Timur | Breast cancer                                 | 20  | 60.0          | (15.2, 152.3)        | 0.000042                 | (0.0000105, 0.0001056) | 2,373.1       | (1,425.1, 3,612.4)   | 0.001570                 | (0.0009425, 0.0023891) |
| Jawa Timur | Cervical cancer                               | 20  |               |                      |                          |                        | 1,273.0       | (647.6, 2,231.7)     | 0.000842                 | (0.0004283, 0.0014760) |
| Jawa Timur | Other malignant neoplasms                     | 20  | 9,321.8       | (6,745.2, 12,694.5)  | 0.006466                 | (0.0046787, 0.0088053) | 7,781.5       | (5,934.7, 10,091.5)  | 0.005146                 | (0.0039250, 0.0066742) |
| Jawa Timur | Cerebrovascular disease                       | 20  | 4,931.2       | (3,445.9, 6,760.7)   | 0.003421                 | (0.0023902, 0.0046894) | 2,589.6       | (1,915.4, 3,462.2)   | 0.001713                 | (0.0012668, 0.0022898) |
| Jawa Timur | Ischemic heart disease                        | 20  | 8,076.0       | (5,737.4, 11,271.5)  | 0.005602                 | (0.0039796, 0.0078183) | 2,646.0       | (1,968.9, 3,523.9)   | 0.001750                 | (0.0013022, 0.0023306) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 20  | 2,315.9       | (1,533.8, 3,468.0)   | 0.001606                 | (0.0010639, 0.0024055) | 1,517.0       | (1,055.0, 2,135.1)   | 0.001003                 | (0.0006977, 0.0014121) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Jawa Timur | Diabetes mellitus                             | 20  | 1,476.6       | (869.2, 2,311.7)     | 0.001024                 | (0.0006029, 0.0016035) | 1,290.3       | (795.6, 2,026.5)    | 0.000853                 | (0.0005262, 0.0013403) |
| Jawa Timur | Chronic kidney disease                        | 20  | 5,491.1       | (3,784.1, 7,683.0)   | 0.003809                 | (0.0026248, 0.0053291) | 3,058.5       | (2,192.6, 4,141.6)  | 0.002023                 | (0.0014501, 0.0027392) |
| Jawa Timur | Cirrhosis                                     | 20  | 6,689.5       | (4,542.0, 9,369.1)   | 0.004640                 | (0.0031504, 0.0064987) | 2,125.7       | (1,466.8, 2,909.3)  | 0.001406                 | (0.0009701, 0.0019241) |
| Jawa Timur | Chronic respiratory diseases                  | 20  | 4,074.6       | (2,676.9, 5,925.5)   | 0.002826                 | (0.0018568, 0.0041101) | 1,593.6       | (1,059.4, 2,273.2)  | 0.001054                 | (0.0007006, 0.0015034) |
| Jawa Timur | Other non-communicable diseases               | 20  | 15,278.3      | (11,154.6, 20,351.0) | 0.010598                 | (0.0077371, 0.0141161) | 8,088.2       | (6,388.5, 9,981.6)  | 0.005349                 | (0.0042251, 0.0066015) |
| Jawa Timur | Drowning                                      | 20  | 1,945.5       | (980.8, 3,210.6)     | 0.001349                 | (0.0006803, 0.0022270) | 378.3         | (190.0, 654.8)      | 0.000250                 | (0.0001257, 0.0004331) |
| Jawa Timur | Falls                                         | 20  | 1,740.4       | (1,059.3, 2,686.0)   | 0.001207                 | (0.0007348, 0.0018631) | 457.2         | (256.7, 731.9)      | 0.000302                 | (0.0001698, 0.0004841) |
| Jawa Timur | Interpersonal violence                        | 20  | 1,582.8       | (971.1, 2,495.7)     | 0.001098                 | (0.0006736, 0.0017311) | 670.3         | (394.0, 1,065.6)    | 0.000443                 | (0.0002606, 0.0007048) |
| Jawa Timur | Self-harm                                     | 20  | 2,465.0       | (1,409.9, 4,015.3)   | 0.001710                 | (0.0009780, 0.0027851) | 886.9         | (495.7, 1,473.1)    | 0.000587                 | (0.0003278, 0.0009743) |
| Jawa Timur | Transport injuries                            | 20  | 37,706.1      | (28,578.6, 48,886.4) | 0.026154                 | (0.0198230, 0.0339091) | 8,440.5       | (6,672.9, 10,569.7) | 0.005582                 | (0.0044132, 0.0069904) |
| Jawa Timur | Other unintentional injuries                  | 20  | 6,328.7       | (4,424.4, 8,883.8)   | 0.004390                 | (0.0030689, 0.0061621) | 1,566.8       | (1,078.4, 2,229.0)  | 0.001036                 | (0.0007132, 0.0014742) |
| Jawa Timur | Diarrheal diseases                            | 25  | 4,661.6       | (3,103.8, 6,829.2)   | 0.002823                 | (0.0018798, 0.0041361) | 2,233.9       | (1,497.3, 3,120.4)  | 0.001309                 | (0.0008771, 0.0018280) |
| Jawa Timur | HIV/AIDS                                      | 25  | 11,838.9      | (8,152.0, 16,923.7)  | 0.007170                 | (0.0049372, 0.0102497) | 3,891.4       | (2,620.9, 5,396.0)  | 0.002280                 | (0.0015354, 0.0031612) |
| Jawa Timur | Lower respiratory infections                  | 25  | 2,392.1       | (1,620.1, 3,460.9)   | 0.001449                 | (0.0009812, 0.0020961) | 635.9         | (417.9, 950.4)      | 0.000373                 | (0.0002448, 0.0005567) |
| Jawa Timur | Malaria                                       | 25  | 127.3         | (24.1, 412.9)        | 0.000077                 | (0.0000146, 0.0002501) | 42.1          | (7.1, 130.0)        | 0.000025                 | (0.0000042, 0.0000762) |
| Jawa Timur | Tuberculosis                                  | 25  | 23,125.0      | (18,108.5, 29,616.7) | 0.014006                 | (0.0109673, 0.0179371) | 5,751.0       | (4,245.5, 7,491.7)  | 0.003369                 | (0.0024872, 0.0043889) |
| Jawa Timur | Maternal disorders                            | 25  |               |                      |                          |                        | 3,127.6       | (2,141.5, 4,405.8)  | 0.001832                 | (0.0012546, 0.0025810) |
| Jawa Timur | Other communicable diseases                   | 25  | 21,134.4      | (16,410.1, 27,137.3) | 0.012800                 | (0.0099386, 0.0164355) | 7,061.8       | (5,497.2, 9,209.6)  | 0.004137                 | (0.0032204, 0.0053953) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 25  | 1,852.8       | (925.4, 3,386.4)     | 0.001122                 | (0.0005605, 0.0020510) | 536.9         | (264.2, 965.9)      | 0.000315                 | (0.0001548, 0.0005659) |
| Jawa Timur | Breast cancer                                 | 25  | 81.6          | (26.7, 195.1)        | 0.000049                 | (0.0000162, 0.0001182) | 4,727.8       | (3,304.5, 6,451.4)  | 0.002770                 | (0.0019359, 0.0037794) |
| Jawa Timur | Cervical cancer                               | 25  |               |                      |                          |                        | 2,221.0       | (1,327.4, 3,353.9)  | 0.001301                 | (0.0007776, 0.0019648) |
| Jawa Timur | Other malignant neoplasms                     | 25  | 14,598.0      | (11,389.5, 18,850.7) | 0.008841                 | (0.0068980, 0.0114168) | 8,400.2       | (6,362.6, 10,924.6) | 0.004921                 | (0.0037274, 0.0064000) |
| Jawa Timur | Cerebrovascular disease                       | 25  | 9,759.3       | (7,551.3, 12,699.9)  | 0.005911                 | (0.0045734, 0.0076916) | 4,245.3       | (3,266.4, 5,473.6)  | 0.002487                 | (0.0019136, 0.0032066) |
| Jawa Timur | Ischemic heart disease                        | 25  | 16,368.3      | (12,748.0, 20,748.7) | 0.009913                 | (0.0077207, 0.0125663) | 4,307.8       | (3,337.5, 5,552.3)  | 0.002524                 | (0.0019552, 0.0032527) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 25  | 3,416.3       | (2,517.3, 4,621.2)   | 0.002069                 | (0.0015246, 0.0027988) | 1,900.8       | (1,381.7, 2,591.2)  | 0.001114                 | (0.0008095, 0.0015180) |
| Jawa Timur | Diabetes mellitus                             | 25  | 2,819.7       | (2,021.3, 3,996.6)   | 0.001708                 | (0.0012242, 0.0024205) | 2,010.9       | (1,418.2, 2,850.0)  | 0.001178                 | (0.0008308, 0.0016696) |
| Jawa Timur | Chronic kidney disease                        | 25  | 7,035.7       | (5,316.6, 9,106.0)   | 0.004261                 | (0.0032199, 0.0055150) | 3,208.0       | (2,410.5, 4,287.7)  | 0.001879                 | (0.0014121, 0.0025119) |
| Jawa Timur | Cirrhosis                                     | 25  | 10,598.0      | (8,111.9, 13,969.0)  | 0.006419                 | (0.0049129, 0.0084602) | 2,775.8       | (2,080.0, 3,713.9)  | 0.001626                 | (0.0012185, 0.0021758) |
| Jawa Timur | Chronic respiratory diseases                  | 25  | 5,449.9       | (4,007.0, 7,501.1)   | 0.003301                 | (0.0024268, 0.0045430) | 1,807.8       | (1,257.6, 2,515.0)  | 0.001059                 | (0.0007368, 0.0014733) |
| Jawa Timur | Other non-communicable diseases               | 25  | 19,779.2      | (15,760.5, 25,181.8) | 0.011979                 | (0.0095452, 0.0152512) | 8,789.6       | (7,014.6, 11,093.5) | 0.005149                 | (0.0041094, 0.0064989) |
| Jawa Timur | Drowning                                      | 25  | 1,461.1       | (687.6, 2,706.2)     | 0.000885                 | (0.0004164, 0.0016390) | 230.6         | (105.7, 432.2)      | 0.000135                 | (0.0000619, 0.0002532) |
| Jawa Timur | Falls                                         | 25  | 2,786.9       | (1,799.4, 4,210.4)   | 0.001688                 | (0.0010898, 0.0025500) | 595.9         | (354.7, 943.3)      | 0.000349                 | (0.0002078, 0.0005526) |
| Jawa Timur | Interpersonal violence                        | 25  | 1,736.2       | (1,124.4, 2,627.7)   | 0.001052                 | (0.0006810, 0.0015915) | 594.3         | (349.7, 935.3)      | 0.000348                 | (0.0002049, 0.0005479) |
| Jawa Timur | Self-harm                                     | 25  | 2,488.6       | (1,505.6, 3,833.1)   | 0.001507                 | (0.0009119, 0.0023215) | 719.2         | (416.5, 1,161.7)    | 0.000421                 | (0.0002440, 0.0006806) |
| Jawa Timur | Transport injuries                            | 25  | 28,682.3      | (22,159.3, 36,635.2) | 0.017371                 | (0.0134206, 0.0221878) | 4,818.0       | (3,604.3, 6,384.9)  | 0.002823                 | (0.0021115, 0.0037405) |
| Jawa Timur | Other unintentional injuries                  | 25  | 8,344.6       | (5,947.2, 11,379.0)  | 0.005054                 | (0.0036019, 0.0068916) | 1,672.8       | (1,148.4, 2,415.9)  | 0.000980                 | (0.0006728, 0.0014153) |
| Jawa Timur | Diarrheal diseases                            | 30  | 4,785.4       | (3,147.9, 7,032.0)   | 0.003035                 | (0.0019965, 0.0044600) | 2,074.9       | (1,420.8, 2,996.2)  | 0.001271                 | (0.0008701, 0.0018350) |
| Jawa Timur | HIV/AIDS                                      | 30  | 10,700.5      | (7,604.6, 14,880.1)  | 0.006787                 | (0.0048232, 0.0094376) | 3,311.3       | (2,298.1, 4,511.0)  | 0.002028                 | (0.0014075, 0.0027627) |
| Jawa Timur | Lower respiratory infections                  | 30  | 1,947.6       | (1,368.6, 2,753.4)   | 0.001235                 | (0.0008680, 0.0017464) | 511.9         | (346.6, 775.2)      | 0.000314                 | (0.0002123, 0.0004748) |
| Jawa Timur | Malaria                                       | 30  | 96.0          | (18.6, 282.7)        | 0.000061                 | (0.0000118, 0.0001793) | 27.1          | (4.7, 82.0)         | 0.000017                 | (0.0000029, 0.0000502) |
| Jawa Timur | Tuberculosis                                  | 30  | 19,482.2      | (15,440.6, 25,080.4) | 0.012357                 | (0.0097931, 0.0159072) | 4,505.1       | (3,366.4, 6,009.2)  | 0.002759                 | (0.0020617, 0.0036803) |
| Jawa Timur | Maternal disorders                            | 30  |               |                      |                          |                        | 4,254.0       | (3,115.6, 5,790.5)  | 0.002605                 | (0.0019081, 0.0035463) |
| Jawa Timur | Other communicable diseases                   | 30  | 13,820.4      | (10,719.1, 17,733.5) | 0.008766                 | (0.0067985, 0.0112474) | 4,242.7       | (3,095.9, 5,716.4)  | 0.002598                 | (0.0018961, 0.0035010) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 30  | 3,133.8       | (1,590.6, 5,848.7)   | 0.001988                 | (0.0010089, 0.0037095) | 535.1         | (296.2, 894.3)      | 0.000328                 | (0.0001814, 0.0005477) |
| Jawa Timur | Breast cancer                                 | 30  | 109.5         | (33.2, 294.8)        | 0.000070                 | (0.0000211, 0.0001870) | 6,321.5       | (4,631.0, 8,498.9)  | 0.003872                 | (0.0028362, 0.0052051) |
| Jawa Timur | Cervical cancer                               | 30  |               |                      |                          |                        | 3,346.0       | (2,182.0, 4,692.8)  | 0.002049                 | (0.0013363, 0.0028740) |
| Jawa Timur | Other malignant neoplasms                     | 30  | 18,353.7      | (14,835.6, 23,303.8) | 0.011641                 | (0.0094094, 0.0147803) | 7,515.4       | (5,737.8, 9,915.1)  | 0.004603                 | (0.0035141, 0.0060724) |
| Jawa Timur | Cerebrovascular disease                       | 30  | 13,746.1      | (10,997.1, 17,277.6) | 0.008718                 | (0.0069749, 0.0109582) | 6,130.2       | (4,826.1, 7,934.8)  | 0.003754                 | (0.0029557, 0.0048596) |
| Jawa Timur | Ischemic heart disease                        | 30  | 20,067.2      | (16,176.7, 25,205.5) | 0.012728                 | (0.0102600, 0.0159865) | 5,541.0       | (4,359.0, 7,171.2)  | 0.003394                 | (0.0026696, 0.0043920) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 30  | 3,783.3       | (2,860.8, 4,878.5)   | 0.002400                 | (0.0018145, 0.0030942) | 2,077.4       | (1,532.1, 2,776.0)  | 0.001272                 | (0.0009383, 0.0017002) |
| Jawa Timur | Diabetes mellitus                             | 30  | 4,180.4       | (3,136.7, 5,558.9)   | 0.002651                 | (0.0019894, 0.0035257) | 2,891.3       | (2,164.4, 3,861.4)  | 0.001771                 | (0.0013256, 0.0023649) |
| Jawa Timur | Chronic kidney disease                        | 30  | 6,872.9       | (5,339.3, 8,863.2)   | 0.004359                 | (0.0033864, 0.0056215) | 3,016.8       | (2,277.4, 4,003.8)  | 0.001848                 | (0.0013948, 0.0024521) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Timur | Cirrhosis                                     | 30  | 12,584.5      | (9,981.5, 16,259.2)  | 0.007982                 | (0.0063308, 0.0103123) | 3,330.1       | (2,537.4, 4,460.9)   | 0.002040                 | (0.0015540, 0.0027321) |
| Jawa Timur | Chronic respiratory diseases                  | 30  | 5,142.9       | (3,846.4, 6,831.7)   | 0.003262                 | (0.0024395, 0.0043330) | 1,642.4       | (1,150.9, 2,263.7)   | 0.001006                 | (0.0007048, 0.0013864) |
| Jawa Timur | Other non-communicable diseases               | 30  | 18,495.7      | (15,094.1, 23,607.4) | 0.011731                 | (0.0095733, 0.0149729) | 8,299.9       | (6,612.3, 10,737.5)  | 0.005083                 | (0.0040496, 0.0065761) |
| Jawa Timur | Drowning                                      | 30  | 1,532.6       | (800.6, 2,608.1)     | 0.000972                 | (0.0005078, 0.0016541) | 279.9         | (141.2, 485.7)       | 0.000171                 | (0.0000865, 0.0002975) |
| Jawa Timur | Falls                                         | 30  | 3,094.9       | (2,043.9, 4,532.4)   | 0.001963                 | (0.0012963, 0.0028747) | 735.7         | (455.5, 1,140.0)     | 0.000451                 | (0.0002790, 0.0006982) |
| Jawa Timur | Interpersonal violence                        | 30  | 1,214.6       | (793.2, 1,871.2)     | 0.000770                 | (0.0005031, 0.0011868) | 416.6         | (243.4, 664.3)       | 0.000255                 | (0.0001491, 0.0004069) |
| Jawa Timur | Self-harm                                     | 30  | 1,697.4       | (1,033.6, 2,652.8)   | 0.001077                 | (0.0006556, 0.0016825) | 482.7         | (274.8, 777.0)       | 0.000296                 | (0.0001683, 0.0004758) |
| Jawa Timur | Transport injuries                            | 30  | 22,749.2      | (18,052.1, 29,352.8) | 0.014429                 | (0.0114495, 0.0186169) | 4,062.1       | (3,006.0, 5,528.1)   | 0.002488                 | (0.0018410, 0.0033856) |
| Jawa Timur | Other unintentional injuries                  | 30  | 6,986.1       | (5,079.3, 9,491.6)   | 0.004431                 | (0.0032215, 0.0060200) | 1,466.6       | (998.9, 2,130.5)     | 0.000898                 | (0.0006118, 0.0013048) |
| Jawa Timur | Diarrheal diseases                            | 35  | 4,182.8       | (2,832.7, 6,227.9)   | 0.002589                 | (0.0017534, 0.0038548) | 2,306.2       | (1,551.8, 3,336.9)   | 0.001407                 | (0.0009467, 0.0020358) |
| Jawa Timur | HIV/AIDS                                      | 35  | 9,753.2       | (6,777.5, 13,408.3)  | 0.006037                 | (0.0041950, 0.0082993) | 3,632.6       | (2,416.8, 5,155.0)   | 0.002216                 | (0.0014745, 0.0031450) |
| Jawa Timur | Lower respiratory infections                  | 35  | 2,186.3       | (1,575.2, 2,986.0)   | 0.001353                 | (0.0009750, 0.0018482) | 713.6         | (468.6, 1,026.7)     | 0.000435                 | (0.0002859, 0.0006264) |
| Jawa Timur | Malaria                                       | 35  | 80.0          | (16.0, 239.1)        | 0.000050                 | (0.0000099, 0.0001480) | 27.6          | (5.2, 86.3)          | 0.000017                 | (0.0000031, 0.0000527) |
| Jawa Timur | Tuberculosis                                  | 35  | 20,659.1      | (16,360.0, 26,085.9) | 0.012787                 | (0.0101263, 0.0161463) | 5,714.2       | (4,129.8, 7,700.9)   | 0.003486                 | (0.0025196, 0.0046983) |
| Jawa Timur | Maternal disorders                            | 35  |               |                      |                          |                        | 4,264.1       | (3,112.8, 5,923.5)   | 0.002602                 | (0.0018991, 0.0036139) |
| Jawa Timur | Other communicable diseases                   | 35  | 12,486.6      | (9,710.0, 16,435.3)  | 0.007729                 | (0.0060102, 0.0101729) | 4,912.6       | (3,677.3, 6,687.2)   | 0.002997                 | (0.0022435, 0.0040798) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 35  | 2,189.3       | (1,167.1, 3,634.9)   | 0.001355                 | (0.0007224, 0.0022499) | 787.6         | (459.3, 1,237.1)     | 0.000481                 | (0.0002802, 0.0007547) |
| Jawa Timur | Breast cancer                                 | 35  | 208.1         | (77.4, 479.8)        | 0.000129                 | (0.0000479, 0.0002970) | 9,502.6       | (7,166.3, 12,756.2)  | 0.005798                 | (0.0043721, 0.0077825) |
| Jawa Timur | Cervical cancer                               | 35  |               |                      |                          |                        | 6,188.6       | (4,377.1, 8,484.8)   | 0.003776                 | (0.0026704, 0.0051765) |
| Jawa Timur | Other malignant neoplasms                     | 35  | 25,081.1      | (20,529.1, 32,162.0) | 0.015524                 | (0.0127068, 0.0199072) | 8,616.2       | (6,446.8, 11,689.2)  | 0.005257                 | (0.0039331, 0.0071315) |
| Jawa Timur | Cerebrovascular disease                       | 35  | 22,049.3      | (18,189.4, 27,958.5) | 0.013648                 | (0.0112586, 0.0173054) | 11,153.1      | (8,756.1, 14,506.2)  | 0.006804                 | (0.0053420, 0.0088502) |
| Jawa Timur | Ischemic heart disease                        | 35  | 27,951.2      | (23,287.9, 35,920.1) | 0.017301                 | (0.0144144, 0.0222333) | 8,968.8       | (7,031.5, 11,566.4)  | 0.005472                 | (0.0042899, 0.0070566) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 35  | 4,893.8       | (3,829.9, 6,302.8)   | 0.003029                 | (0.0023706, 0.0039012) | 2,976.1       | (2,230.7, 3,975.4)   | 0.001816                 | (0.0013610, 0.0024254) |
| Jawa Timur | Diabetes mellitus                             | 35  | 7,709.2       | (5,993.4, 9,869.8)   | 0.004772                 | (0.0037097, 0.0061091) | 5,833.4       | (4,458.6, 7,613.4)   | 0.003559                 | (0.0027202, 0.0046449) |
| Jawa Timur | Chronic kidney disease                        | 35  | 7,949.8       | (6,206.3, 10,317.8)  | 0.004921                 | (0.0038415, 0.0063863) | 3,821.9       | (2,881.8, 5,055.4)   | 0.002332                 | (0.0017582, 0.0030843) |
| Jawa Timur | Cirrhosis                                     | 35  | 15,950.8      | (12,820.8, 20,255.6) | 0.009873                 | (0.0079356, 0.0125375) | 4,762.1       | (3,666.3, 6,311.5)   | 0.002905                 | (0.0022368, 0.0038506) |
| Jawa Timur | Chronic respiratory diseases                  | 35  | 6,606.5       | (5,090.4, 8,491.2)   | 0.004089                 | (0.0031508, 0.0052557) | 2,172.5       | (1,541.0, 2,930.4)   | 0.001326                 | (0.0009402, 0.0017878) |
| Jawa Timur | Other non-communicable diseases               | 35  | 19,392.9      | (15,778.5, 24,804.1) | 0.012004                 | (0.0097664, 0.0153529) | 9,804.3       | (7,712.4, 12,690.7)  | 0.005982                 | (0.0047053, 0.0077425) |
| Jawa Timur | Drowning                                      | 35  | 2,152.6       | (1,174.8, 3,649.1)   | 0.001332                 | (0.0007272, 0.0022587) | 487.8         | (247.2, 883.7)       | 0.000298                 | (0.0001508, 0.0005391) |
| Jawa Timur | Falls                                         | 35  | 3,402.7       | (2,294.9, 4,940.0)   | 0.002106                 | (0.0014205, 0.0030577) | 980.2         | (604.4, 1,469.6)     | 0.000598                 | (0.0003688, 0.0008966) |
| Jawa Timur | Interpersonal violence                        | 35  | 1,043.3       | (688.3, 1,647.4)     | 0.000646                 | (0.0004261, 0.0010197) | 407.8         | (236.1, 650.4)       | 0.000249                 | (0.0001440, 0.0003968) |
| Jawa Timur | Self-harm                                     | 35  | 1,546.4       | (932.1, 2,450.1)     | 0.000957                 | (0.0005770, 0.0015166) | 494.7         | (280.9, 805.8)       | 0.000302                 | (0.0001713, 0.0004916) |
| Jawa Timur | Transport injuries                            | 35  | 19,518.4      | (15,364.8, 25,044.4) | 0.012081                 | (0.0095103, 0.0155016) | 4,056.4       | (2,960.7, 5,439.2)   | 0.002475                 | (0.0018063, 0.0033184) |
| Jawa Timur | Other unintentional injuries                  | 35  | 6,837.8       | (4,917.9, 9,309.0)   | 0.004232                 | (0.0030440, 0.0057620) | 1,674.4       | (1,136.5, 2,392.0)   | 0.001022                 | (0.0006934, 0.0014594) |
| Jawa Timur | Diarrheal diseases                            | 40  | 4,633.8       | (3,227.9, 6,329.7)   | 0.003025                 | (0.0021070, 0.0041317) | 3,146.2       | (2,164.3, 4,366.0)   | 0.001978                 | (0.0013607, 0.0027450) |
| Jawa Timur | HIV/AIDS                                      | 40  | 5,541.6       | (3,714.5, 7,784.7)   | 0.003617                 | (0.0024247, 0.0050815) | 2,562.7       | (1,672.1, 3,715.2)   | 0.001611                 | (0.0010513, 0.0023358) |
| Jawa Timur | Lower respiratory infections                  | 40  | 2,417.8       | (1,725.8, 3,338.1)   | 0.001578                 | (0.0011265, 0.0021790) | 1,021.4       | (698.5, 1,440.6)     | 0.000642                 | (0.0004392, 0.0009057) |
| Jawa Timur | Malaria                                       | 40  | 79.5          | (15.7, 237.4)        | 0.000052                 | (0.0000103, 0.0001550) | 30.8          | (6.0, 99.7)          | 0.000019                 | (0.0000038, 0.0000627) |
| Jawa Timur | Tuberculosis                                  | 40  | 20,812.2      | (16,923.8, 26,830.6) | 0.013585                 | (0.0110472, 0.0175139) | 6,672.0       | (5,046.4, 8,826.7)   | 0.004195                 | (0.0031728, 0.0055495) |
| Jawa Timur | Maternal disorders                            | 40  |               |                      |                          |                        | 2,621.0       | (1,667.0, 4,019.0)   | 0.001648                 | (0.0010481, 0.0025268) |
| Jawa Timur | Other communicable diseases                   | 40  | 12,545.6      | (9,613.7, 16,300.8)  | 0.008189                 | (0.0062754, 0.0106405) | 6,248.9       | (4,549.0, 8,259.2)   | 0.003929                 | (0.0028600, 0.0051927) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 40  | 3,756.6       | (2,491.1, 5,455.1)   | 0.002452                 | (0.0016261, 0.0035609) | 1,159.4       | (739.8, 1,767.6)     | 0.000729                 | (0.0004651, 0.0011113) |
| Jawa Timur | Breast cancer                                 | 40  | 322.7         | (121.8, 677.0)       | 0.000211                 | (0.0000795, 0.0004419) | 12,711.1      | (9,701.4, 16,746.1)  | 0.007992                 | (0.0060995, 0.0105285) |
| Jawa Timur | Cervical cancer                               | 40  |               |                      |                          |                        | 10,119.5      | (7,532.9, 13,455.4)  | 0.006362                 | (0.0047361, 0.0084596) |
| Jawa Timur | Other malignant neoplasms                     | 40  | 30,885.5      | (25,380.3, 38,862.7) | 0.020161                 | (0.0165672, 0.0253679) | 9,710.6       | (7,253.9, 12,892.4)  | 0.006105                 | (0.0045606, 0.0081057) |
| Jawa Timur | Cerebrovascular disease                       | 40  | 36,040.4      | (30,401.8, 44,731.6) | 0.023526                 | (0.0198450, 0.0291989) | 19,788.0      | (15,691.3, 25,296.1) | 0.012441                 | (0.0098654, 0.0159041) |
| Jawa Timur | Ischemic heart disease                        | 40  | 44,046.0      | (36,860.6, 54,908.4) | 0.028751                 | (0.0240611, 0.0358419) | 14,720.0      | (11,597.2, 18,880.1) | 0.009255                 | (0.0072914, 0.0118702) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 40  | 6,912.4       | (5,414.1, 8,838.0)   | 0.004512                 | (0.0035341, 0.0057691) | 4,492.4       | (3,430.9, 5,825.8)   | 0.002825                 | (0.0021571, 0.0036628) |
| Jawa Timur | Diabetes mellitus                             | 40  | 16,196.3      | (13,172.8, 20,369.5) | 0.010572                 | (0.0085987, 0.0132964) | 12,638.8      | (9,676.2, 16,244.7)  | 0.007946                 | (0.0060836, 0.0102133) |
| Jawa Timur | Chronic kidney disease                        | 40  | 10,148.4      | (7,964.1, 12,979.8)  | 0.006625                 | (0.0051986, 0.0084727) | 5,003.0       | (3,753.6, 6,582.0)   | 0.003146                 | (0.0023599, 0.0041382) |
| Jawa Timur | Cirrhosis                                     | 40  | 20,171.3      | (16,230.6, 24,952.2) | 0.013167                 | (0.0105947, 0.0162878) | 6,619.8       | (5,112.9, 8,689.8)   | 0.004162                 | (0.0032145, 0.0054634) |
| Jawa Timur | Chronic respiratory diseases                  | 40  | 8,365.4       | (6,572.1, 10,789.6)  | 0.005461                 | (0.0042900, 0.0070430) | 3,028.5       | (2,212.6, 4,040.3)   | 0.001904                 | (0.0013911, 0.0025402) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|            |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Timur | Other non-communicable diseases               | 40  | 21,444.7 (17,656.6, 26,821.9) | 0.013998 (0.0115255, 0.0175082) | 11,751.3 (9,249.9, 14,897.8)  | 0.007388 (0.0058156, 0.0093665) |
| Jawa Timur | Drowning                                      | 40  | 1,208.2 (615.1, 2,131.8)      | 0.000789 (0.0004015, 0.0013915) | 350.2 (171.5, 656.6)          | 0.000220 (0.0001079, 0.0004128) |
| Jawa Timur | Falls                                         | 40  | 3,106.8 (2,086.5, 4,407.6)    | 0.002028 (0.0013620, 0.0028771) | 1,083.7 (701.1, 1,596.6)      | 0.000681 (0.0004408, 0.0010038) |
| Jawa Timur | Interpersonal violence                        | 40  | 799.6 (511.5, 1,207.9)        | 0.000522 (0.0003339, 0.0007885) | 322.9 (186.0, 521.1)          | 0.000203 (0.0001170, 0.0003276) |
| Jawa Timur | Self-harm                                     | 40  | 1,335.9 (813.3, 2,074.9)      | 0.000872 (0.0005309, 0.0013544) | 428.6 (246.9, 710.1)          | 0.000270 (0.0001552, 0.0004465) |
| Jawa Timur | Transport injuries                            | 40  | 16,140.8 (12,636.4, 21,141.2) | 0.010536 (0.0082485, 0.0138001) | 3,839.6 (2,799.2, 5,199.6)    | 0.002414 (0.0017599, 0.0032691) |
| Jawa Timur | Other unintentional injuries                  | 40  | 5,532.5 (3,935.9, 7,571.3)    | 0.003611 (0.0025692, 0.0049422) | 1,497.8 (1,024.5, 2,131.6)    | 0.000942 (0.0006441, 0.0013402) |
| Jawa Timur | Diarrheal diseases                            | 45  | 4,883.9 (3,431.4, 6,688.4)    | 0.003572 (0.0025098, 0.0048921) | 4,192.2 (3,051.9, 5,663.5)    | 0.002926 (0.0021301, 0.0039529) |
| Jawa Timur | HIV/AIDS                                      | 45  | 3,202.1 (1,982.4, 4,914.7)    | 0.002342 (0.0014500, 0.0035947) | 1,888.0 (1,097.7, 2,907.1)    | 0.001318 (0.0007661, 0.0020290) |
| Jawa Timur | Lower respiratory infections                  | 45  | 3,383.8 (2,487.6, 4,708.8)    | 0.002475 (0.0018195, 0.0034441) | 1,874.6 (1,304.8, 2,590.8)    | 0.001308 (0.0009107, 0.0018083) |
| Jawa Timur | Malaria                                       | 45  | 68.2 (12.8, 213.1)            | 0.000050 (0.0000094, 0.0001558) | 31.4 (5.8, 99.1)              | 0.000022 (0.0000041, 0.0000692) |
| Jawa Timur | Tuberculosis                                  | 45  | 24,075.3 (19,488.2, 30,227.0) | 0.017609 (0.0142542, 0.0221089) | 9,426.6 (7,318.8, 12,188.8)   | 0.006579 (0.0051082, 0.0085072) |
| Jawa Timur | Maternal disorders                            | 45  |                               |                                 | 863.8 (432.0, 1,558.8)        | 0.000603 (0.0003015, 0.0010880) |
| Jawa Timur | Other communicable diseases                   | 45  | 11,637.4 (8,999.6, 15,101.6)  | 0.008512 (0.0065825, 0.0110457) | 7,458.9 (5,596.0, 9,692.9)    | 0.005206 (0.0039057, 0.0067652) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 45  | 4,857.9 (3,341.5, 6,878.6)    | 0.003553 (0.0024441, 0.0050312) | 1,687.4 (1,123.8, 2,495.5)    | 0.001178 (0.0007844, 0.0017417) |
| Jawa Timur | Breast cancer                                 | 45  | 338.3 (136.4, 679.4)          | 0.000247 (0.0000997, 0.0004969) | 13,713.7 (10,574.3, 17,904.6) | 0.009572 (0.0073804, 0.0124965) |
| Jawa Timur | Cervical cancer                               | 45  |                               |                                 | 11,473.4 (8,571.4, 14,992.3)  | 0.008008 (0.0059824, 0.0104639) |
| Jawa Timur | Other malignant neoplasms                     | 45  | 29,148.7 (23,787.1, 36,674.8) | 0.021320 (0.0173985, 0.0268249) | 10,186.8 (7,837.5, 13,139.5)  | 0.007110 (0.0054702, 0.0091708) |
| Jawa Timur | Cerebrovascular disease                       | 45  | 52,458.6 (43,855.5, 64,677.9) | 0.038370 (0.0320771, 0.0473071) | 32,449.8 (26,113.9, 40,077.4) | 0.022648 (0.0182263, 0.0279721) |
| Jawa Timur | Ischemic heart disease                        | 45  | 56,992.2 (46,487.4, 70,254.8) | 0.041686 (0.0340021, 0.0513862) | 21,116.3 (17,076.6, 26,487.9) | 0.014738 (0.0119187, 0.0184873) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 45  | 8,919.5 (7,027.0, 11,273.4)   | 0.006524 (0.0051397, 0.0082457) | 6,457.8 (5,037.7, 8,180.0)    | 0.004507 (0.0035161, 0.0057093) |
| Jawa Timur | Diabetes mellitus                             | 45  | 26,384.3 (21,496.5, 33,414.8) | 0.019298 (0.0157231, 0.0244405) | 22,484.6 (17,630.5, 27,843.0) | 0.015693 (0.0123052, 0.0194331) |
| Jawa Timur | Chronic kidney disease                        | 45  | 10,948.5 (8,629.0, 13,787.4)  | 0.008008 (0.0063115, 0.0100845) | 5,904.5 (4,496.8, 7,573.7)    | 0.004121 (0.0031385, 0.0052860) |
| Jawa Timur | Cirrhosis                                     | 45  | 21,952.1 (17,576.1, 27,497.2) | 0.016056 (0.0128557, 0.0201122) | 8,233.3 (6,400.5, 10,624.7)   | 0.005747 (0.0044672, 0.0074155) |
| Jawa Timur | Chronic respiratory diseases                  | 45  | 11,598.1 (9,141.5, 14,732.5)  | 0.008483 (0.0066863, 0.0107757) | 4,761.3 (3,625.4, 6,121.4)    | 0.003323 (0.0025304, 0.0042724) |
| Jawa Timur | Other non-communicable diseases               | 45  | 22,002.5 (17,764.6, 27,529.8) | 0.016093 (0.0129935, 0.0201361) | 13,582.0 (10,843.0, 16,812.4) | 0.009480 (0.0075679, 0.0117342) |
| Jawa Timur | Drowning                                      | 45  | 941.5 (454.4, 1,687.6)        | 0.000689 (0.0003324, 0.0012344) | 341.3 (164.9, 645.5)          | 0.000238 (0.0001151, 0.0004505) |
| Jawa Timur | Falls                                         | 45  | 3,834.6 (2,595.7, 5,459.9)    | 0.002805 (0.0018986, 0.0039935) | 1,609.7 (1,044.6, 2,320.1)    | 0.001124 (0.0007291, 0.0016193) |
| Jawa Timur | Interpersonal violence                        | 45  | 671.5 (433.1, 1,029.6)        | 0.000491 (0.0003168, 0.0007530) | 295.4 (164.1, 492.7)          | 0.000206 (0.0001145, 0.0003439) |
| Jawa Timur | Self-harm                                     | 45  | 1,252.4 (752.8, 1,982.6)      | 0.000916 (0.0005506, 0.0014501) | 428.3 (243.5, 691.2)          | 0.000299 (0.0001699, 0.0004824) |
| Jawa Timur | Transport injuries                            | 45  | 17,388.7 (13,505.1, 22,352.9) | 0.012719 (0.0098780, 0.0163496) | 4,812.4 (3,523.0, 6,344.8)    | 0.003359 (0.0024589, 0.0044283) |
| Jawa Timur | Other unintentional injuries                  | 45  | 5,366.2 (3,896.0, 7,315.6)    | 0.003925 (0.0028497, 0.0053509) | 1,647.0 (1,125.3, 2,307.3)    | 0.001150 (0.0007854, 0.0016104) |
| Jawa Timur | Diarrheal diseases                            | 50  | 6,779.8 (4,979.8, 8,988.7)    | 0.005655 (0.0041532, 0.0074968) | 5,490.7 (4,132.8, 7,160.7)    | 0.004612 (0.0034714, 0.0060147) |
| Jawa Timur | HIV/AIDS                                      | 50  | 1,467.2 (811.8, 2,411.0)      | 0.001224 (0.0006771, 0.0020109) | 852.2 (450.5, 1,388.5)        | 0.000716 (0.0003784, 0.0011663) |
| Jawa Timur | Lower respiratory infections                  | 50  | 4,763.3 (3,519.6, 6,402.4)    | 0.003973 (0.0029354, 0.0053397) | 2,632.2 (1,905.6, 3,527.7)    | 0.002211 (0.0016006, 0.0029631) |
| Jawa Timur | Malaria                                       | 50  | 68.7 (13.4, 216.2)            | 0.000057 (0.0000112, 0.0001803) | 29.3 (5.3, 96.4)              | 0.000025 (0.0000045, 0.0000810) |
| Jawa Timur | Tuberculosis                                  | 50  | 27,542.5 (22,412.8, 34,245.8) | 0.022971 (0.0186927, 0.0285616) | 10,488.9 (8,295.5, 13,189.5)  | 0.008810 (0.0069678, 0.0110786) |
| Jawa Timur | Maternal disorders                            | 50  |                               |                                 | 391.0 (137.6, 936.8)          | 0.000328 (0.0001156, 0.0007869) |
| Jawa Timur | Other communicable diseases                   | 50  | 12,454.6 (9,398.3, 16,031.9)  | 0.010387 (0.0078384, 0.0133709) | 7,581.6 (5,818.7, 10,034.7)   | 0.006368 (0.0048874, 0.0084287) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 50  | 6,917.2 (4,977.7, 9,480.5)    | 0.005769 (0.0041515, 0.0079070) | 1,869.1 (1,260.7, 2,686.5)    | 0.001570 (0.0010589, 0.0022566) |
| Jawa Timur | Breast cancer                                 | 50  | 286.2 (126.8, 559.5)          | 0.000239 (0.0001057, 0.0004666) | 11,316.3 (8,579.0, 14,448.8)  | 0.009505 (0.0072060, 0.0121363) |
| Jawa Timur | Cervical cancer                               | 50  |                               |                                 | 10,382.0 (7,706.8, 13,510.5)  | 0.008720 (0.0064734, 0.0113482) |
| Jawa Timur | Other malignant neoplasms                     | 50  | 26,832.2 (21,235.1, 33,893.4) | 0.022379 (0.0177105, 0.0282678) | 10,017.5 (7,761.2, 12,826.2)  | 0.008414 (0.0065191, 0.0107734) |
| Jawa Timur | Cerebrovascular disease                       | 50  | 73,408.1 (59,610.6, 89,526.4) | 0.061224 (0.0497164, 0.0746667) | 43,466.4 (35,423.3, 53,538.6) | 0.036510 (0.0297540, 0.0449701) |
| Jawa Timur | Ischemic heart disease                        | 50  | 70,312.3 (57,042.3, 85,492.1) | 0.058642 (0.0475744, 0.0713020) | 25,072.4 (20,043.6, 31,355.1) | 0.021060 (0.0168357, 0.0263369) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 50  | 12,190.0 (9,318.5, 15,557.5)  | 0.010167 (0.0077718, 0.0129753) | 8,392.7 (6,541.5, 10,563.4)   | 0.007050 (0.0054946, 0.0088728) |
| Jawa Timur | Diabetes mellitus                             | 50  | 36,176.0 (28,582.5, 44,292.6) | 0.030172 (0.0238383, 0.0369409) | 29,348.1 (23,568.1, 36,015.2) | 0.024651 (0.0197962, 0.0302512) |
| Jawa Timur | Chronic kidney disease                        | 50  | 11,782.4 (9,115.4, 14,837.8)  | 0.009827 (0.0076024, 0.0123750) | 6,063.5 (4,742.6, 7,883.6)    | 0.005093 (0.0039836, 0.0066219) |
| Jawa Timur | Cirrhosis                                     | 50  | 24,203.9 (18,586.5, 30,533.8) | 0.020187 (0.0155015, 0.0254657) | 8,795.7 (6,922.9, 11,399.5)   | 0.007388 (0.0058149, 0.0095751) |
| Jawa Timur | Chronic respiratory diseases                  | 50  | 16,352.5 (12,775.7, 20,694.9) | 0.013638 (0.0106552, 0.0172600) | 6,605.0 (5,104.2, 8,403.5)    | 0.005548 (0.0042873, 0.0070586) |
| Jawa Timur | Other non-communicable diseases               | 50  | 24,206.4 (19,064.3, 30,276.0) | 0.020189 (0.0159000, 0.0252507) | 14,321.0 (11,430.2, 17,780.8) | 0.012029 (0.0096009, 0.0149351) |
| Jawa Timur | Drowning                                      | 50  | 735.2 (341.1, 1,347.8)        | 0.000613 (0.0002845, 0.0011241) | 256.9 (111.6, 485.6)          | 0.000216 (0.0000938, 0.0004079) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males                          |                                 | Females                       |                                 |
|------------|-----------------------------------------------|-----|--------------------------------|---------------------------------|-------------------------------|---------------------------------|
|            |                                               |     | YLLs (95% UI)                  | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Jawa Timur | Falls                                         | 50  | 4,577.6 (3,210.5, 6,360.7)     | 0.003818 (0.0026776, 0.0053049) | 1,821.6 (1,262.3, 2,560.4)    | 0.001530 (0.0010603, 0.0021507) |
| Jawa Timur | Interpersonal violence                        | 50  | 522.8 (332.8, 824.1)           | 0.000436 (0.0002776, 0.0006873) | 210.8 (115.9, 367.6)          | 0.000177 (0.0000973, 0.0003088) |
| Jawa Timur | Self-harm                                     | 50  | 1,074.7 (616.1, 1,727.5)       | 0.000896 (0.0005138, 0.0014408) | 333.1 (182.2, 563.5)          | 0.000280 (0.0001531, 0.0004733) |
| Jawa Timur | Transport injuries                            | 50  | 14,178.2 (10,734.3, 18,604.3)  | 0.011825 (0.0089527, 0.0155164) | 3,646.8 (2,671.5, 4,788.2)    | 0.003063 (0.0022439, 0.0040219) |
| Jawa Timur | Other unintentional injuries                  | 50  | 4,478.5 (3,161.1, 6,057.0)     | 0.003735 (0.0026365, 0.0050516) | 1,272.4 (862.0, 1,768.3)      | 0.001069 (0.0007241, 0.0014853) |
| Jawa Timur | Diarrheal diseases                            | 55  | 7,064.9 (5,188.4, 9,611.7)     | 0.007530 (0.0055296, 0.0102437) | 5,511.7 (4,206.5, 7,128.3)    | 0.006305 (0.0048122, 0.0081547) |
| Jawa Timur | HIV/AIDS                                      | 55  | 595.3 (279.7, 1,026.2)         | 0.000634 (0.0002981, 0.0010937) | 336.9 (152.5, 605.3)          | 0.000385 (0.0001745, 0.0006924) |
| Jawa Timur | Lower respiratory infections                  | 55  | 4,744.7 (3,497.5, 6,400.7)     | 0.005057 (0.0037274, 0.0068216) | 2,601.6 (1,928.6, 3,437.5)    | 0.002976 (0.0022063, 0.0039325) |
| Jawa Timur | Malaria                                       | 55  | 64.8 (12.6, 208.5)             | 0.000069 (0.0000135, 0.0002222) | 25.9 (4.7, 81.5)              | 0.000030 (0.0000054, 0.0000933) |
| Jawa Timur | Tuberculosis                                  | 55  | 23,377.1 (18,403.8, 29,496.6)  | 0.024914 (0.0196139, 0.0314361) | 8,552.9 (6,787.7, 10,624.8)   | 0.009784 (0.0077651, 0.0121546) |
| Jawa Timur | Other communicable diseases                   | 55  | 11,368.0 (8,558.1, 14,481.5)   | 0.012116 (0.0091208, 0.0154337) | 6,728.5 (5,191.1, 8,706.4)    | 0.007697 (0.0059386, 0.0099599) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 55  | 6,711.6 (4,773.5, 9,109.6)     | 0.007153 (0.0050873, 0.0097086) | 1,468.3 (1,005.8, 2,061.5)    | 0.001680 (0.0011507, 0.0023583) |
| Jawa Timur | Breast cancer                                 | 55  | 231.5 (113.8, 406.0)           | 0.000247 (0.0001213, 0.0004327) | 8,502.8 (6,520.3, 11,054.2)   | 0.009727 (0.0074592, 0.0126458) |
| Jawa Timur | Cervical cancer                               | 55  |                                |                                 | 6,926.0 (4,993.0, 9,069.8)    | 0.007923 (0.0057119, 0.0103757) |
| Jawa Timur | Other malignant neoplasms                     | 55  | 20,886.3 (16,433.5, 25,881.5)  | 0.022260 (0.0175141, 0.0275833) | 8,862.4 (6,839.7, 11,309.4)   | 0.010139 (0.0078245, 0.0129378) |
| Jawa Timur | Cerebrovascular disease                       | 55  | 83,048.9 (66,371.1, 100,975.8) | 0.088510 (0.0707351, 0.1076152) | 48,256.3 (39,467.9, 58,632.1) | 0.055204 (0.0451507, 0.0670741) |
| Jawa Timur | Ischemic heart disease                        | 55  | 75,617.6 (59,248.2, 92,439.1)  | 0.080590 (0.0631439, 0.0985171) | 26,627.2 (21,668.8, 32,669.2) | 0.030461 (0.0247887, 0.0373729) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 55  | 13,529.6 (10,282.8, 17,162.7)  | 0.014419 (0.0109589, 0.0182912) | 9,055.7 (7,182.5, 11,413.7)   | 0.010360 (0.0082166, 0.0130571) |
| Jawa Timur | Diabetes mellitus                             | 55  | 37,507.2 (29,499.7, 45,945.6)  | 0.039973 (0.0314394, 0.0489666) | 29,659.2 (24,207.9, 36,142.1) | 0.033930 (0.0276934, 0.0413460) |
| Jawa Timur | Chronic kidney disease                        | 55  | 11,114.4 (8,486.2, 14,001.1)   | 0.011845 (0.0090442, 0.0149217) | 5,546.9 (4,360.9, 7,078.7)    | 0.006346 (0.0049888, 0.0080979) |
| Jawa Timur | Cirrhosis                                     | 55  | 21,339.4 (16,211.5, 26,722.7)  | 0.022743 (0.0172775, 0.0284797) | 7,664.3 (6,078.7, 9,682.7)    | 0.008768 (0.0069540, 0.0110768) |
| Jawa Timur | Chronic respiratory diseases                  | 55  | 17,691.6 (13,674.8, 21,913.1)  | 0.018855 (0.0145740, 0.0233540) | 7,009.3 (5,468.9, 8,789.0)    | 0.008019 (0.0062564, 0.0100544) |
| Jawa Timur | Other non-communicable diseases               | 55  | 24,496.5 (19,348.6, 30,246.2)  | 0.026107 (0.0206208, 0.0322349) | 14,202.0 (11,530.6, 17,391.9) | 0.016247 (0.0131908, 0.0198960) |
| Jawa Timur | Drowning                                      | 55  | 508.5 (222.3, 962.3)           | 0.000542 (0.0002369, 0.0010256) | 174.6 (73.6, 334.3)           | 0.000200 (0.0000842, 0.0003824) |
| Jawa Timur | Falls                                         | 55  | 4,660.4 (3,374.6, 6,376.4)     | 0.004967 (0.0035965, 0.0067957) | 1,794.2 (1,256.6, 2,451.3)    | 0.002053 (0.0014375, 0.0028043) |
| Jawa Timur | Interpersonal violence                        | 55  | 382.2 (233.2, 599.3)           | 0.000407 (0.0002486, 0.0006387) | 141.1 (75.9, 244.9)           | 0.000162 (0.0000868, 0.0002801) |
| Jawa Timur | Self-harm                                     | 55  | 896.9 (520.5, 1,439.7)         | 0.000956 (0.0005547, 0.0015344) | 253.2 (143.2, 412.5)          | 0.000290 (0.0001638, 0.0004719) |
| Jawa Timur | Transport injuries                            | 55  | 8,944.3 (6,505.8, 11,911.9)    | 0.009532 (0.0069336, 0.0126951) | 2,176.9 (1,557.5, 2,907.9)    | 0.002490 (0.0017818, 0.0033266) |
| Jawa Timur | Other unintentional injuries                  | 55  | 3,430.3 (2,399.4, 4,778.2)     | 0.003656 (0.0025571, 0.0050924) | 915.3 (601.2, 1,274.3)        | 0.001047 (0.0006878, 0.0014578) |
| Jawa Timur | Diarrheal diseases                            | 60  | 7,482.6 (5,469.1, 9,652.3)     | 0.011787 (0.0086152, 0.0152047) | 6,653.7 (5,214.6, 8,335.1)    | 0.009497 (0.0074430, 0.0118970) |
| Jawa Timur | HIV/AIDS                                      | 60  | 389.4 (147.9, 736.2)           | 0.000613 (0.0002330, 0.0011597) | 256.4 (100.9, 472.1)          | 0.000366 (0.0001440, 0.0006738) |
| Jawa Timur | Lower respiratory infections                  | 60  | 5,897.6 (4,339.1, 7,762.0)     | 0.009290 (0.0068351, 0.0122270) | 3,997.2 (2,985.9, 5,136.4)    | 0.005705 (0.0042618, 0.0073313) |
| Jawa Timur | Malaria                                       | 60  | 66.4 (12.6, 200.3)             | 0.000105 (0.0000198, 0.0003156) | 28.3 (5.2, 89.7)              | 0.000040 (0.0000074, 0.0001280) |
| Jawa Timur | Tuberculosis                                  | 60  | 26,050.5 (20,412.6, 31,452.4)  | 0.041036 (0.0321546, 0.0495449) | 11,033.2 (8,924.5, 13,559.3)  | 0.015748 (0.0127381, 0.0193535) |
| Jawa Timur | Other communicable diseases                   | 60  | 8,539.7 (6,145.2, 11,055.3)    | 0.013452 (0.0096802, 0.0174146) | 5,890.9 (4,480.3, 7,651.7)    | 0.008408 (0.0063948, 0.0109215) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 60  | 6,761.0 (4,868.4, 9,135.8)     | 0.010650 (0.0076688, 0.0143910) | 1,436.0 (1,000.6, 1,976.3)    | 0.002050 (0.0014282, 0.0028028) |
| Jawa Timur | Breast cancer                                 | 60  | 192.5 (98.1, 335.5)            | 0.000303 (0.0001545, 0.0005285) | 6,678.9 (5,054.0, 8,590.3)    | 0.009533 (0.0072137, 0.0122612) |
| Jawa Timur | Cervical cancer                               | 60  |                                |                                 | 5,566.2 (4,090.2, 7,375.8)    | 0.007945 (0.0058381, 0.0105277) |
| Jawa Timur | Other malignant neoplasms                     | 60  | 18,345.2 (14,069.8, 22,802.5)  | 0.028898 (0.0221632, 0.0359192) | 9,812.7 (7,768.7, 12,295.0)   | 0.014006 (0.0110885, 0.0175490) |
| Jawa Timur | Cerebrovascular disease                       | 60  | 85,322.7 (66,300.3, 101,261.5) | 0.134403 (0.1044386, 0.1595106) | 57,392.8 (48,117.9, 68,777.2) | 0.081918 (0.0686801, 0.0981677) |
| Jawa Timur | Ischemic heart disease                        | 60  | 70,718.1 (54,543.9, 85,290.6)  | 0.111398 (0.0859194, 0.1343526) | 29,610.8 (24,749.9, 35,650.4) | 0.042264 (0.0353262, 0.0508849) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 60  | 14,285.3 (10,776.3, 17,642.1)  | 0.022503 (0.0169753, 0.0277905) | 10,544.3 (8,427.8, 13,080.5)  | 0.015050 (0.0120293, 0.0186702) |
| Jawa Timur | Diabetes mellitus                             | 60  | 31,903.6 (24,529.9, 39,045.0)  | 0.050256 (0.0386403, 0.0615050) | 28,855.5 (23,958.7, 35,065.9) | 0.041186 (0.0341969, 0.0500505) |
| Jawa Timur | Chronic kidney disease                        | 60  | 9,814.9 (7,380.3, 12,263.9)    | 0.015461 (0.0116257, 0.0193185) | 5,466.3 (4,339.6, 6,933.7)    | 0.007802 (0.0061940, 0.0098966) |
| Jawa Timur | Cirrhosis                                     | 60  | 17,079.5 (12,938.4, 21,163.8)  | 0.026904 (0.0203809, 0.0333380) | 7,202.5 (5,782.2, 9,022.7)    | 0.010280 (0.0082531, 0.0128783) |
| Jawa Timur | Chronic respiratory diseases                  | 60  | 24,122.8 (18,714.8, 29,527.4)  | 0.037999 (0.0294802, 0.0465125) | 10,499.6 (8,525.0, 12,755.1)  | 0.014986 (0.0121680, 0.0182058) |
| Jawa Timur | Other non-communicable diseases               | 60  | 26,051.2 (20,255.6, 31,947.8)  | 0.041037 (0.0319073, 0.0503252) | 17,131.7 (14,032.3, 20,793.9) | 0.024453 (0.0200288, 0.0296797) |
| Jawa Timur | Drowning                                      | 60  | 322.4 (140.6, 610.6)           | 0.000508 (0.0002215, 0.0009618) | 142.5 (55.7, 278.4)           | 0.000204 (0.0000795, 0.0003974) |
| Jawa Timur | Falls                                         | 60  | 3,419.9 (2,320.2, 4,711.3)     | 0.005387 (0.0036549, 0.0074214) | 1,614.6 (1,143.2, 2,225.5)    | 0.002305 (0.0016317, 0.0031766) |
| Jawa Timur | Interpersonal violence                        | 60  | 246.8 (141.0, 400.2)           | 0.000389 (0.0002221, 0.0006304) | 99.3 (50.8, 187.9)            | 0.000142 (0.0000725, 0.0002682) |
| Jawa Timur | Self-harm                                     | 60  | 663.8 (389.1, 1,053.1)         | 0.001046 (0.0006129, 0.0016588) | 199.5 (110.0, 334.2)          | 0.000285 (0.0001570, 0.0004770) |
| Jawa Timur | Transport injuries                            | 60  | 6,635.9 (4,742.4, 8,792.6)     | 0.010453 (0.0074704, 0.0138504) | 1,913.8 (1,392.2, 2,543.1)    | 0.002732 (0.0019872, 0.0036298) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Jawa Timur | Other unintentional injuries                  | 60  | 2,512.1       | (1,689.0, 3,418.3)   | 0.003957                 | (0.0026605, 0.0053847) | 768.6         | (507.4, 1,100.3)     | 0.001097                 | (0.0007242, 0.0015704) |
| Jawa Timur | Diarrheal diseases                            | 65  | 10,828.0      | (7,877.5, 13,892.4)  | 0.021700                 | (0.0157867, 0.0278410) | 10,330.5      | (8,242.4, 12,826.3)  | 0.017889                 | (0.0142730, 0.0222107) |
| Jawa Timur | HIV/AIDS                                      | 65  | 333.5         | (143.4, 604.6)       | 0.000668                 | (0.0002875, 0.0012117) | 235.1         | (102.7, 439.1)       | 0.000407                 | (0.0001778, 0.0007603) |
| Jawa Timur | Lower respiratory infections                  | 65  | 6,202.9       | (4,507.1, 8,088.3)   | 0.012431                 | (0.0090325, 0.0162093) | 4,760.2       | (3,686.3, 6,106.4)   | 0.008243                 | (0.0063834, 0.0105742) |
| Jawa Timur | Malaria                                       | 65  | 59.0          | (11.3, 171.3)        | 0.000118                 | (0.0000227, 0.0003434) | 24.5          | (4.3, 78.8)          | 0.000042                 | (0.0000074, 0.0001364) |
| Jawa Timur | Tuberculosis                                  | 65  | 24,332.7      | (18,547.0, 30,052.5) | 0.048764                 | (0.0371689, 0.0602264) | 10,470.6      | (8,361.8, 13,060.6)  | 0.018131                 | (0.0144797, 0.0226164) |
| Jawa Timur | Other communicable diseases                   | 65  | 7,271.8       | (5,170.9, 9,556.3)   | 0.014573                 | (0.0103627, 0.0191511) | 5,570.2       | (4,200.7, 7,345.0)   | 0.009646                 | (0.0072741, 0.0127190) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 65  | 5,688.7       | (3,968.1, 7,871.9)   | 0.011400                 | (0.0079522, 0.0157756) | 1,100.5       | (748.9, 1,534.7)     | 0.001906                 | (0.0012969, 0.0026576) |
| Jawa Timur | Breast cancer                                 | 65  | 142.8         | (65.4, 259.3)        | 0.000286                 | (0.0001311, 0.0005196) | 4,468.3       | (3,339.9, 5,927.0)   | 0.007738                 | (0.0057835, 0.0102635) |
| Jawa Timur | Cervical cancer                               | 65  |               |                      |                          |                        | 3,789.2       | (2,703.9, 5,287.8)   | 0.006562                 | (0.0046822, 0.0091566) |
| Jawa Timur | Other malignant neoplasms                     | 65  | 13,484.3      | (10,293.5, 16,720.7) | 0.027023                 | (0.0206287, 0.0335089) | 9,360.8       | (7,343.2, 11,846.3)  | 0.016210                 | (0.0127159, 0.0205137) |
| Jawa Timur | Cerebrovascular disease                       | 65  | 83,526.7      | (63,933.4, 99,343.0) | 0.167391                 | (0.1281251, 0.1990874) | 63,354.4      | (52,192.8, 75,395.7) | 0.109708                 | (0.0903798, 0.1305592) |
| Jawa Timur | Ischemic heart disease                        | 65  | 64,329.3      | (49,275.9, 77,238.2) | 0.128919                 | (0.0987509, 0.1547885) | 29,606.1      | (24,367.4, 35,911.1) | 0.051268                 | (0.0421960, 0.0621855) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 65  | 14,847.3      | (11,135.0, 18,447.5) | 0.029755                 | (0.0223150, 0.0369695) | 11,934.9      | (9,631.5, 14,668.4)  | 0.020667                 | (0.0166785, 0.0254006) |
| Jawa Timur | Diabetes mellitus                             | 65  | 23,972.6      | (18,280.9, 29,727.2) | 0.048042                 | (0.0366357, 0.0595745) | 24,121.0      | (19,923.6, 29,410.5) | 0.041769                 | (0.0345007, 0.0509289) |
| Jawa Timur | Chronic kidney disease                        | 65  | 8,557.1       | (6,343.5, 10,843.8)  | 0.017149                 | (0.0127126, 0.0217314) | 5,120.2       | (3,985.6, 6,473.9)   | 0.008866                 | (0.0069016, 0.0112105) |
| Jawa Timur | Cirrhosis                                     | 65  | 12,540.2      | (9,341.2, 15,686.3)  | 0.025131                 | (0.0187201, 0.0314360) | 6,122.3       | (4,841.6, 7,736.2)   | 0.010602                 | (0.0083840, 0.0133965) |
| Jawa Timur | Chronic respiratory diseases                  | 65  | 25,227.3      | (19,166.5, 30,880.0) | 0.050557                 | (0.0384104, 0.0618848) | 11,945.4      | (9,484.1, 14,543.3)  | 0.020685                 | (0.0164232, 0.0251839) |
| Jawa Timur | Other non-communicable diseases               | 65  | 27,471.5      | (20,949.4, 33,546.9) | 0.055054                 | (0.0419834, 0.0672294) | 20,073.9      | (16,595.1, 24,317.2) | 0.034761                 | (0.0287370, 0.0421090) |
| Jawa Timur | Drowning                                      | 65  | 236.4         | (95.9, 476.8)        | 0.000474                 | (0.0001922, 0.0009556) | 134.2         | (50.8, 280.1)        | 0.000232                 | (0.0000880, 0.0004851) |
| Jawa Timur | Falls                                         | 65  | 3,194.6       | (2,110.4, 4,461.7)   | 0.006402                 | (0.0042293, 0.0089415) | 1,820.3       | (1,284.8, 2,524.1)   | 0.003152                 | (0.0022249, 0.0043709) |
| Jawa Timur | Interpersonal violence                        | 65  | 170.6         | (90.0, 307.1)        | 0.000342                 | (0.0001804, 0.0006155) | 69.5          | (32.6, 136.9)        | 0.000120                 | (0.0000565, 0.0002370) |
| Jawa Timur | Self-harm                                     | 65  | 523.6         | (289.4, 855.8)       | 0.001049                 | (0.0005799, 0.0017151) | 154.5         | (80.5, 268.3)        | 0.000268                 | (0.0001394, 0.0004646) |
| Jawa Timur | Transport injuries                            | 65  | 4,915.2       | (3,427.0, 6,666.9)   | 0.009850                 | (0.0068678, 0.0133607) | 1,629.1       | (1,101.4, 2,251.6)   | 0.002821                 | (0.0019072, 0.0038990) |
| Jawa Timur | Other unintentional injuries                  | 65  | 2,035.5       | (1,376.3, 2,867.9)   | 0.004079                 | (0.0027582, 0.0057474) | 681.2         | (431.4, 967.0)       | 0.001180                 | (0.0007469, 0.0016745) |
| Jawa Timur | Diarrheal diseases                            | 70  | 13,247.3      | (9,851.2, 16,544.8)  | 0.038533                 | (0.0286546, 0.0481243) | 14,383.8      | (11,567.0, 17,244.6) | 0.030081                 | (0.0241900, 0.0360634) |
| Jawa Timur | HIV/AIDS                                      | 70  | 389.0         | (170.9, 733.5)       | 0.001132                 | (0.0004970, 0.0021335) | 317.0         | (139.4, 608.5)       | 0.000663                 | (0.0002915, 0.0012726) |
| Jawa Timur | Lower respiratory infections                  | 70  | 7,171.7       | (5,171.6, 9,315.7)   | 0.020861                 | (0.0150427, 0.0270968) | 6,490.9       | (5,007.6, 8,105.9)   | 0.013574                 | (0.0104724, 0.0169517) |
| Jawa Timur | Malaria                                       | 70  | 44.6          | (8.5, 137.1)         | 0.000130                 | (0.0000248, 0.0003989) | 21.2          | (3.8, 67.0)          | 0.000044                 | (0.0000079, 0.0001401) |
| Jawa Timur | Tuberculosis                                  | 70  | 21,218.8      | (16,044.3, 25,837.6) | 0.061720                 | (0.0466684, 0.0751547) | 10,925.1      | (8,741.3, 13,295.1)  | 0.022848                 | (0.0182804, 0.0278038) |
| Jawa Timur | Other communicable diseases                   | 70  | 6,719.9       | (4,754.4, 8,906.4)   | 0.019547                 | (0.0138293, 0.0259062) | 5,874.4       | (4,473.3, 7,690.6)   | 0.012285                 | (0.0093550, 0.0160831) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 70  | 4,219.8       | (2,905.8, 5,779.7)   | 0.012274                 | (0.0084522, 0.0168117) | 980.4         | (643.0, 1,392.6)     | 0.002050                 | (0.0013446, 0.0029124) |
| Jawa Timur | Breast cancer                                 | 70  | 89.8          | (34.1, 183.5)        | 0.000261                 | (0.0000993, 0.0005338) | 2,864.2       | (2,052.7, 3,840.6)   | 0.005990                 | (0.0042928, 0.0080317) |
| Jawa Timur | Cervical cancer                               | 70  |               |                      |                          |                        | 2,318.5       | (1,567.3, 3,281.7)   | 0.004849                 | (0.0032776, 0.0068629) |
| Jawa Timur | Other malignant neoplasms                     | 70  | 8,938.2       | (6,660.9, 11,029.4)  | 0.025999                 | (0.0193747, 0.0320815) | 8,159.8       | (6,379.0, 10,318.4)  | 0.017065                 | (0.0133402, 0.0215787) |
| Jawa Timur | Cerebrovascular disease                       | 70  | 75,903.5      | (57,799.6, 89,846.5) | 0.220783                 | (0.1681234, 0.2613391) | 71,425.4      | (58,791.6, 84,000.6) | 0.149371                 | (0.1229496, 0.1756689) |
| Jawa Timur | Ischemic heart disease                        | 70  | 54,075.3      | (41,206.9, 64,449.5) | 0.157290                 | (0.1198598, 0.1874660) | 32,405.3      | (26,605.9, 38,835.4) | 0.067769                 | (0.0556405, 0.0812157) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 70  | 14,269.6      | (10,613.7, 17,579.3) | 0.041506                 | (0.0308724, 0.0511333) | 13,881.7      | (11,090.6, 16,779.3) | 0.029031                 | (0.0231936, 0.0350902) |
| Jawa Timur | Diabetes mellitus                             | 70  | 15,563.0      | (11,719.2, 19,042.7) | 0.045268                 | (0.0340881, 0.0553901) | 19,705.2      | (15,976.3, 23,791.3) | 0.041209                 | (0.0334109, 0.0497543) |
| Jawa Timur | Chronic kidney disease                        | 70  | 6,404.8       | (4,701.9, 8,115.1)   | 0.018630                 | (0.0136765, 0.0236047) | 4,774.7       | (3,694.0, 6,045.5)   | 0.009985                 | (0.0077251, 0.0126428) |
| Jawa Timur | Cirrhosis                                     | 70  | 9,405.6       | (6,891.7, 11,803.3)  | 0.027358                 | (0.0200461, 0.0343326) | 5,693.1       | (4,435.8, 7,160.2)   | 0.011906                 | (0.0092765, 0.0149740) |
| Jawa Timur | Chronic respiratory diseases                  | 70  | 27,567.9      | (20,866.0, 33,466.9) | 0.080188                 | (0.0606934, 0.0973461) | 15,420.2      | (12,510.0, 18,471.9) | 0.032248                 | (0.0261618, 0.0386300) |
| Jawa Timur | Other non-communicable diseases               | 70  | 26,784.1      | (20,249.5, 32,491.3) | 0.077908                 | (0.0589004, 0.0945082) | 24,015.5      | (19,595.5, 28,857.2) | 0.050223                 | (0.0409797, 0.0603485) |
| Jawa Timur | Drowning                                      | 70  | 356.0         | (170.1, 675.8)       | 0.001036                 | (0.0004948, 0.0019658) | 236.8         | (108.8, 443.7)       | 0.000495                 | (0.0002276, 0.0009279) |
| Jawa Timur | Falls                                         | 70  | 3,116.3       | (2,109.5, 4,273.1)   | 0.009065                 | (0.0061358, 0.0124292) | 2,088.7       | (1,515.3, 2,772.0)   | 0.004368                 | (0.0031690, 0.0057970) |
| Jawa Timur | Interpersonal violence                        | 70  | 99.9          | (45.3, 186.5)        | 0.000291                 | (0.0001318, 0.0005425) | 48.4          | (19.0, 102.7)        | 0.000101                 | (0.0000397, 0.0002148) |
| Jawa Timur | Self-harm                                     | 70  | 356.9         | (199.4, 585.7)       | 0.001038                 | (0.0005799, 0.0017037) | 125.3         | (64.2, 224.6)        | 0.000262                 | (0.0001343, 0.0004697) |
| Jawa Timur | Transport injuries                            | 70  | 4,024.2       | (2,726.7, 5,484.9)   | 0.011705                 | (0.0079314, 0.0159540) | 1,570.4       | (1,062.0, 2,183.7)   | 0.003284                 | (0.0022209, 0.0045668) |
| Jawa Timur | Other unintentional injuries                  | 70  | 1,672.0       | (1,121.2, 2,318.2)   | 0.004863                 | (0.0032613, 0.0067431) | 662.5         | (419.3, 977.2)       | 0.001386                 | (0.0008768, 0.0020436) |
| Jawa Timur | Diarrheal diseases                            | 75  | 9,382.3       | (6,846.7, 11,696.1)  | 0.048436                 | (0.0353456, 0.0603803) | 12,309.3      | (9,797.6, 14,737.7)  | 0.041568                 | (0.0330860, 0.0497681) |
| Jawa Timur | HIV/AIDS                                      | 75  | 183.7         | (80.1, 366.0)        | 0.000948                 | (0.0004133, 0.0018893) | 177.3         | (74.3, 351.5)        | 0.000599                 | (0.0002510, 0.0011868) |
| Jawa Timur | Lower respiratory infections                  | 75  | 4,493.1       | (3,259.4, 5,843.0)   | 0.023195                 | (0.0168264, 0.0301642) | 4,933.0       | (3,793.5, 6,207.7)   | 0.016658                 | (0.0128103, 0.0209630) |

Aim 2 Supplementary Tables

| Location   | Cause group                                   | Age | Males         |                        |                          |                        | Females       |                        |                          |                        |
|------------|-----------------------------------------------|-----|---------------|------------------------|--------------------------|------------------------|---------------|------------------------|--------------------------|------------------------|
|            |                                               |     | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                        | YLLs per capita (95% UI) |                        |
| Jawa Timur | Malaria                                       | 75  | 27.5          | (5.2, 79.3)            | 0.000142                 | (0.0000269, 0.0004094) | 15.2          | (2.5, 47.0)            | 0.000051                 | (0.0000086, 0.0001586) |
| Jawa Timur | Tuberculosis                                  | 75  | 11,060.4      | (8,114.6, 13,750.9)    | 0.057099                 | (0.0418914, 0.0709884) | 6,605.1       | (5,189.2, 8,168.8)     | 0.022305                 | (0.0175235, 0.0275857) |
| Jawa Timur | Other communicable diseases                   | 75  | 3,808.4       | (2,581.4, 5,072.4)     | 0.019661                 | (0.0133262, 0.0261859) | 4,078.2       | (3,017.4, 5,393.7)     | 0.013772                 | (0.0101896, 0.0182142) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 75  | 2,208.2       | (1,460.4, 3,126.4)     | 0.011400                 | (0.0075393, 0.0161401) | 557.0         | (354.3, 813.4)         | 0.001881                 | (0.0011963, 0.0027469) |
| Jawa Timur | Breast cancer                                 | 75  | 38.1          | (12.6, 84.1)           | 0.000197                 | (0.0000649, 0.0004343) | 1,371.8       | (916.3, 1,939.1)       | 0.004633                 | (0.0030942, 0.0065482) |
| Jawa Timur | Cervical cancer                               | 75  |               |                        |                          |                        | 1,047.7       | (657.5, 1,646.2)       | 0.003538                 | (0.0022203, 0.0055592) |
| Jawa Timur | Other malignant neoplasms                     | 75  | 4,142.6       | (3,019.1, 5,255.3)     | 0.021386                 | (0.0155860, 0.0271300) | 5,213.7       | (4,011.3, 6,550.6)     | 0.017606                 | (0.0135459, 0.0221210) |
| Jawa Timur | Cerebrovascular disease                       | 75  | 45,732.2      | (33,869.2, 54,769.3)   | 0.236090                 | (0.1748476, 0.2827432) | 54,357.8      | (44,491.9, 64,314.1)   | 0.183563                 | (0.1502463, 0.2171847) |
| Jawa Timur | Ischemic heart disease                        | 75  | 35,413.0      | (26,351.3, 42,698.1)   | 0.182818                 | (0.1360372, 0.2204268) | 26,625.8      | (21,648.7, 31,822.8)   | 0.089914                 | (0.0731062, 0.1074635) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 75  | 8,903.7       | (6,494.2, 11,223.0)    | 0.045965                 | (0.0335259, 0.0579378) | 10,769.1      | (8,521.7, 13,248.2)    | 0.036367                 | (0.0287774, 0.0447384) |
| Jawa Timur | Diabetes mellitus                             | 75  | 7,949.1       | (5,808.9, 9,944.7)     | 0.041037                 | (0.0299879, 0.0513389) | 12,550.3      | (10,012.1, 15,173.4)   | 0.042382                 | (0.0338102, 0.0512396) |
| Jawa Timur | Chronic kidney disease                        | 75  | 3,504.3       | (2,527.4, 4,440.6)     | 0.018091                 | (0.0130474, 0.0229242) | 3,211.0       | (2,481.3, 4,074.4)     | 0.010843                 | (0.0083792, 0.0137591) |
| Jawa Timur | Cirrhosis                                     | 75  | 4,959.1       | (3,555.0, 6,319.3)     | 0.025601                 | (0.0183525, 0.0326232) | 3,799.8       | (2,947.5, 4,771.2)     | 0.012832                 | (0.0099535, 0.0161122) |
| Jawa Timur | Chronic respiratory diseases                  | 75  | 16,564.4      | (12,287.8, 20,251.1)   | 0.085513                 | (0.0634352, 0.1045450) | 11,269.5      | (8,986.3, 13,574.0)    | 0.038056                 | (0.0303461, 0.0458384) |
| Jawa Timur | Other non-communicable diseases               | 75  | 18,542.7      | (13,729.0, 22,628.8)   | 0.095726                 | (0.0708753, 0.1168200) | 20,830.3      | (16,905.1, 24,765.5)   | 0.070343                 | (0.0570875, 0.0836315) |
| Jawa Timur | Drowning                                      | 75  | 287.5         | (138.4, 548.4)         | 0.001484                 | (0.0007144, 0.0028309) | 238.4         | (117.7, 462.1)         | 0.000805                 | (0.0003973, 0.0015605) |
| Jawa Timur | Falls                                         | 75  | 2,191.1       | (1,485.4, 3,003.8)     | 0.011312                 | (0.0076681, 0.0155071) | 1,799.1       | (1,278.6, 2,435.0)     | 0.006075                 | (0.0043178, 0.0082229) |
| Jawa Timur | Interpersonal violence                        | 75  | 46.6          | (16.5, 108.9)          | 0.000240                 | (0.0000849, 0.0005624) | 25.5          | (8.4, 65.3)            | 0.000086                 | (0.0000284, 0.0002205) |
| Jawa Timur | Self-harm                                     | 75  | 203.1         | (101.7, 342.1)         | 0.001048                 | (0.0005251, 0.0017658) | 80.5          | (38.1, 147.4)          | 0.000272                 | (0.0001286, 0.0004979) |
| Jawa Timur | Transport injuries                            | 75  | 1,765.2       | (1,114.7, 2,597.1)     | 0.009113                 | (0.0057546, 0.0134075) | 827.5         | (519.5, 1,237.1)       | 0.002794                 | (0.0017543, 0.0041777) |
| Jawa Timur | Other unintentional injuries                  | 75  | 952.5         | (613.7, 1,381.5)       | 0.004917                 | (0.0031680, 0.0071317) | 445.4         | (276.4, 679.5)         | 0.001504                 | (0.0009335, 0.0022946) |
| Jawa Timur | Diarrheal diseases                            | 80  | 16,616.4      | (13,485.8, 19,568.5)   | 0.116344                 | (0.0944247, 0.1370144) | 27,068.5      | (23,188.1, 30,953.9)   | 0.110865                 | (0.0949717, 0.1267781) |
| Jawa Timur | HIV/AIDS                                      | 80  | 210.5         | (67.8, 494.3)          | 0.001474                 | (0.0004745, 0.0034609) | 269.1         | (96.5, 663.8)          | 0.001102                 | (0.0003953, 0.0027187) |
| Jawa Timur | Lower respiratory infections                  | 80  | 5,716.4       | (4,474.5, 7,152.6)     | 0.040025                 | (0.0313297, 0.0500808) | 8,155.6       | (6,528.2, 9,887.7)     | 0.033403                 | (0.0267375, 0.0404971) |
| Jawa Timur | Malaria                                       | 80  | 31.9          | (5.4, 98.8)            | 0.000224                 | (0.0000382, 0.0006916) | 24.1          | (3.8, 76.7)            | 0.000099                 | (0.0000156, 0.0003141) |
| Jawa Timur | Tuberculosis                                  | 80  | 11,077.2      | (8,857.2, 13,154.2)    | 0.077560                 | (0.0620161, 0.0921024) | 9,657.8       | (7,971.7, 11,429.5)    | 0.039556                 | (0.0326496, 0.0468117) |
| Jawa Timur | Other communicable diseases                   | 80  | 4,589.3       | (3,457.3, 5,878.7)     | 0.032133                 | (0.0242073, 0.0411615) | 5,970.5       | (4,712.0, 7,592.0)     | 0.024454                 | (0.0192989, 0.0310944) |
| Jawa Timur | Tracheal, bronchus, and lung cancer           | 80  | 1,840.9       | (1,231.0, 2,680.0)     | 0.012889                 | (0.0086191, 0.0187650) | 695.0         | (426.3, 1,078.7)       | 0.002846                 | (0.0017459, 0.0044179) |
| Jawa Timur | Breast cancer                                 | 80  | 31.9          | (9.6, 80.9)            | 0.000224                 | (0.0000672, 0.0005667) | 1,427.4       | (863.9, 2,204.2)       | 0.005846                 | (0.0035384, 0.0090276) |
| Jawa Timur | Cervical cancer                               | 80  |               |                        |                          |                        | 901.8         | (491.7, 1,540.3)       | 0.003694                 | (0.0020140, 0.0063086) |
| Jawa Timur | Other malignant neoplasms                     | 80  | 3,673.6       | (2,856.5, 4,585.2)     | 0.025722                 | (0.0200004, 0.0321047) | 6,294.1       | (4,870.7, 7,755.0)     | 0.025779                 | (0.0199491, 0.0317620) |
| Jawa Timur | Cerebrovascular disease                       | 80  | 49,235.3      | (40,476.6, 56,117.8)   | 0.344734                 | (0.2834080, 0.3929237) | 80,709.6      | (70,957.7, 90,502.4)   | 0.330563                 | (0.2906220, 0.3706713) |
| Jawa Timur | Ischemic heart disease                        | 80  | 34,662.0      | (28,669.0, 39,721.7)   | 0.242695                 | (0.2007336, 0.2781225) | 39,255.8      | (33,973.6, 44,484.5)   | 0.160780                 | (0.1391460, 0.1821955) |
| Jawa Timur | Other cardiovascular and circulatory diseases | 80  | 9,041.2       | (7,196.0, 10,917.5)    | 0.063305                 | (0.0503851, 0.0764418) | 15,049.9      | (12,578.5, 18,028.4)   | 0.061640                 | (0.0515178, 0.0738389) |
| Jawa Timur | Diabetes mellitus                             | 80  | 6,802.4       | (5,310.1, 8,233.6)     | 0.047629                 | (0.0371798, 0.0576495) | 15,339.5      | (12,801.8, 18,204.4)   | 0.062826                 | (0.0524326, 0.0745597) |
| Jawa Timur | Chronic kidney disease                        | 80  | 3,097.5       | (2,317.5, 3,912.3)     | 0.021688                 | (0.0162266, 0.0273931) | 4,121.6       | (3,248.3, 5,237.1)     | 0.016881                 | (0.0133040, 0.0214497) |
| Jawa Timur | Cirrhosis                                     | 80  | 4,493.3       | (3,451.8, 5,598.3)     | 0.031461                 | (0.0241689, 0.0391979) | 4,647.1       | (3,659.4, 5,758.8)     | 0.019033                 | (0.0149877, 0.0235863) |
| Jawa Timur | Chronic respiratory diseases                  | 80  | 18,280.7      | (14,980.7, 21,326.2)   | 0.127997                 | (0.1048915, 0.1493209) | 16,798.4      | (14,328.6, 19,352.0)   | 0.068801                 | (0.0586856, 0.0792600) |
| Jawa Timur | Other non-communicable diseases               | 80  | 22,097.8      | (17,974.4, 26,005.7)   | 0.154724                 | (0.1258524, 0.1820859) | 34,133.6      | (29,081.1, 38,605.2)   | 0.139802                 | (0.1191076, 0.1581155) |
| Jawa Timur | Drowning                                      | 80  | 288.1         | (124.1, 583.8)         | 0.002017                 | (0.0008688, 0.0040875) | 271.9         | (114.9, 536.1)         | 0.001114                 | (0.0004705, 0.0021956) |
| Jawa Timur | Falls                                         | 80  | 2,893.1       | (2,032.7, 3,869.0)     | 0.020257                 | (0.0142326, 0.0270895) | 2,872.0       | (2,156.6, 3,668.7)     | 0.011763                 | (0.0088328, 0.0150261) |
| Jawa Timur | Interpersonal violence                        | 80  | 36.2          | (8.3, 97.6)            | 0.000253                 | (0.0000579, 0.0006833) | 28.1          | (6.9, 80.7)            | 0.000115                 | (0.0000284, 0.0003305) |
| Jawa Timur | Self-harm                                     | 80  | 190.1         | (87.9, 360.0)          | 0.001331                 | (0.0006152, 0.0025203) | 110.0         | (47.7, 212.9)          | 0.000451                 | (0.0001955, 0.0008718) |
| Jawa Timur | Transport injuries                            | 80  | 1,525.4       | (984.0, 2,175.1)       | 0.010681                 | (0.0068901, 0.0152294) | 905.4         | (569.6, 1,359.7)       | 0.003708                 | (0.0023328, 0.0055687) |
| Jawa Timur | Other unintentional injuries                  | 80  | 899.0         | (536.1, 1,359.8)       | 0.006294                 | (0.0037534, 0.0095213) | 555.3         | (325.9, 884.1)         | 0.002274                 | (0.0013349, 0.0036212) |
| Jawa Timur | Diarrheal diseases                            | All | 131,271.7     | (105,429.9, 159,521.8) | 0.006625                 | (0.0053210, 0.0080510) | 128,591.3     | (107,537.7, 152,553.6) | 0.006338                 | (0.0053006, 0.0075194) |
| Jawa Timur | HIV/AIDS                                      | All | 59,921.8      | (44,496.2, 81,023.7)   | 0.003024                 | (0.0022457, 0.0040892) | 25,663.3      | (18,517.0, 34,610.9)   | 0.001265                 | (0.0009127, 0.0017060) |
| Jawa Timur | Lower respiratory infections                  | All | 118,540.6     | (90,432.1, 152,410.3)  | 0.005983                 | (0.0045640, 0.0076920) | 80,185.1      | (61,226.4, 102,204.9)  | 0.003952                 | (0.0030179, 0.0050377) |
| Jawa Timur | Malaria                                       | All | 1,082.5       | (217.6, 3,228.9)       | 0.000055                 | (0.0000110, 0.0001630) | 447.2         | (85.0, 1,352.8)        | 0.000022                 | (0.0000042, 0.0000667) |
| Jawa Timur | Tuberculosis                                  | All | 285,092.7     | (234,191.5, 343,953.2) | 0.014388                 | (0.0118195, 0.0173591) | 112,438.6     | (92,498.8, 136,756.6)  | 0.005542                 | (0.0045593, 0.0067408) |
| Jawa Timur | Maternal disorders                            | All |               |                        |                          |                        | 21,785.6      | (16,840.3, 28,495.7)   | 0.001074                 | (0.0008301, 0.0014046) |

Aim 2 Supplementary Tables

| Location   | Cause group                                              | Age | Males                            |                                  | Females                          |                                  |
|------------|----------------------------------------------------------|-----|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
|            |                                                          |     | YLLs (95% UI)                    | YLLs per capita (95% UI)         | YLLs (95% UI)                    | YLLs per capita (95% UI)         |
| Jawa Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 90,290.5 (45,293.2, 144,717.6)   | 0.004557 (0.0022859, 0.0073038)  | 61,280.6 (30,396.8, 103,452.4)   | 0.003021 (0.0014983, 0.0050992)  |
| Jawa Timur | Preterm birth complications                              | All | 140,675.8 (72,225.1, 217,268.9)  | 0.007100 (0.0036452, 0.0109654)  | 123,278.2 (64,389.2, 200,794.2)  | 0.006076 (0.0031738, 0.0098972)  |
| Jawa Timur | Other neonatal disorders                                 | All | 18,409.8 (6,960.2, 36,142.9)     | 0.000929 (0.0003513, 0.0018241)  | 11,765.3 (4,282.4, 24,891.6)     | 0.000580 (0.0002111, 0.0012269)  |
| Jawa Timur | Other communicable diseases                              | All | 231,718.8 (189,259.7, 284,268.1) | 0.011695 (0.0095518, 0.0143468)  | 134,326.2 (109,217.9, 164,708.6) | 0.006621 (0.0053834, 0.0081185)  |
| Jawa Timur | Tracheal, bronchus, and lung cancer                      | All | 52,690.4 (38,625.2, 69,913.4)    | 0.002659 (0.0019494, 0.0035285)  | 13,555.2 (9,675.4, 18,629.4)     | 0.000668 (0.0004769, 0.0009182)  |
| Jawa Timur | Breast cancer                                            | All | 2,174.9 (1,139.4, 3,854.3)       | 0.000110 (0.0000575, 0.0001945)  | 86,757.8 (68,211.8, 109,836.2)   | 0.004276 (0.0033622, 0.0054139)  |
| Jawa Timur | Cervical cancer                                          | All |                                  |                                  | 66,192.7 (51,006.4, 84,537.0)    | 0.003263 (0.0025141, 0.0041668)  |
| Jawa Timur | Other malignant neoplasms                                | All | 252,618.3 (208,571.8, 308,062.9) | 0.012750 (0.0105265, 0.0155477)  | 133,207.8 (109,486.0, 164,491.6) | 0.006566 (0.0053966, 0.0081078)  |
| Jawa Timur | Cerebrovascular disease                                  | All | 640,710.3 (512,641.2, 764,556.6) | 0.032336 (0.0258727, 0.0385867)  | 500,108.3 (415,808.7, 593,624.9) | 0.024650 (0.0204953, 0.0292599)  |
| Jawa Timur | Ischemic heart disease                                   | All | 584,677.4 (470,128.2, 702,377.1) | 0.029508 (0.0237271, 0.0354485)  | 270,419.7 (224,596.8, 324,023.0) | 0.013329 (0.0110704, 0.0159712)  |
| Jawa Timur | Other cardiovascular and circulatory diseases            | All | 120,971.6 (94,584.3, 149,151.2)  | 0.006105 (0.0047736, 0.0075276)  | 102,297.5 (83,753.7, 124,891.6)  | 0.005042 (0.0041282, 0.0061559)  |
| Jawa Timur | Diabetes mellitus                                        | All | 221,848.8 (176,230.5, 268,671.1) | 0.011197 (0.0088942, 0.0135596)  | 210,366.7 (174,264.8, 253,749.5) | 0.010369 (0.0085896, 0.0125074)  |
| Jawa Timur | Chronic kidney disease                                   | All | 110,491.1 (87,315.5, 135,127.9)  | 0.005576 (0.0044068, 0.0068198)  | 64,186.2 (51,406.8, 79,916.9)    | 0.003164 (0.0025339, 0.0039391)  |
| Jawa Timur | Cirrhosis                                                | All | 192,733.2 (153,395.8, 235,384.2) | 0.009727 (0.0077418, 0.0118797)  | 76,451.0 (62,177.6, 95,137.6)    | 0.003768 (0.0030647, 0.0046894)  |
| Jawa Timur | Chronic respiratory diseases                             | All | 193,979.9 (154,389.5, 235,774.0) | 0.009790 (0.0077919, 0.0118994)  | 97,087.6 (80,024.1, 115,795.0)   | 0.004786 (0.0039444, 0.0057076)  |
| Jawa Timur | Other non-communicable diseases                          | All | 392,111.5 (319,201.5, 471,797.2) | 0.019790 (0.0161099, 0.0238113)  | 300,834.2 (249,040.5, 355,695.8) | 0.014828 (0.0122753, 0.0175323)  |
| Jawa Timur | Drowning                                                 | All | 35,226.3 (23,470.0, 49,184.4)    | 0.001778 (0.0011845, 0.0024823)  | 11,240.5 (7,194.7, 16,348.7)     | 0.000554 (0.0003546, 0.0008058)  |
| Jawa Timur | Falls                                                    | All | 50,666.1 (38,526.3, 65,410.5)    | 0.002557 (0.0019444, 0.0033012)  | 22,766.4 (17,411.9, 29,078.8)    | 0.001122 (0.0008582, 0.0014333)  |
| Jawa Timur | Interpersonal violence                                   | All | 11,879.0 (8,662.1, 16,673.4)     | 0.000600 (0.0004372, 0.0008415)  | 5,348.5 (3,550.7, 7,947.4)       | 0.000264 (0.0001750, 0.0003917)  |
| Jawa Timur | Self-harm                                                | All | 18,347.3 (11,663.2, 27,178.7)    | 0.000926 (0.0005886, 0.0013717)  | 6,399.3 (3,969.2, 9,851.1)       | 0.000315 (0.0001956, 0.0004856)  |
| Jawa Timur | Transport injuries                                       | All | 265,813.0 (216,678.5, 327,202.3) | 0.013415 (0.0109356, 0.0165137)  | 67,558.9 (54,392.1, 82,532.0)    | 0.003330 (0.0026810, 0.0040680)  |
| Jawa Timur | Other unintentional injuries                             | All | 78,603.5 (62,490.7, 100,160.6)   | 0.003967 (0.0031539, 0.0050550)  | 23,459.3 (17,714.6, 30,956.4)    | 0.001156 (0.0008732, 0.0015258)  |
| Banten     | Diarrheal diseases                                       | NN  | 2,738.4 (1,190.3, 5,041.2)       | 0.307000 (0.1334415, 0.5651659)  | 2,420.6 (1,024.4, 4,731.4)       | 0.289801 (0.1226445, 0.5664520)  |
| Banten     | Lower respiratory infections                             | NN  | 25,633.6 (12,500.7, 41,221.3)    | 2.873746 (1.4014360, 4.6212621)  | 16,206.0 (8,064.0, 27,909.8)     | 1.940223 (0.9654447, 3.3414280)  |
| Banten     | Malaria                                                  | NN  | 33.9 (4.1, 125.1)                | 0.003801 (0.0004557, 0.0140248)  | 20.8 (2.4, 82.3)                 | 0.002491 (0.0002933, 0.0098506)  |
| Banten     | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 66,905.6 (32,980.5, 105,970.4)   | 7.500697 (3.6974010, 11.8802004) | 47,433.1 (23,849.2, 83,804.3)    | 5.678810 (2.8552890, 10.0332603) |
| Banten     | Preterm birth complications                              | NN  | 54,449.6 (25,789.8, 89,508.7)    | 6.104273 (2.8912649, 10.0347004) | 50,217.6 (25,230.9, 83,668.6)    | 6.012180 (3.0207090, 10.0170202) |
| Banten     | Other neonatal disorders                                 | NN  | 25,273.3 (10,362.7, 47,123.2)    | 2.833362 (1.1617490, 5.2829151)  | 16,731.3 (7,216.1, 33,014.8)     | 2.003108 (0.8639327, 3.9526169)  |
| Banten     | Other communicable diseases                              | NN  | 3,497.4 (1,516.4, 6,448.1)       | 0.392088 (0.1699976, 0.7228875)  | 2,166.0 (873.1, 4,124.2)         | 0.259321 (0.1045266, 0.4937569)  |
| Banten     | Other malignant neoplasms                                | NN  | 1,657.4 (670.8, 3,329.1)         | 0.185813 (0.0751998, 0.3732156)  | 1,350.5 (552.4, 2,729.1)         | 0.161690 (0.0661313, 0.3267391)  |
| Banten     | Cerebrovascular disease                                  | NN  | 418.6 (106.5, 1,083.0)           | 0.046924 (0.0119447, 0.1214082)  | 449.6 (115.0, 1,172.9)           | 0.053831 (0.0137626, 0.1404219)  |
| Banten     | Other cardiovascular and circulatory diseases            | NN  | 465.2 (109.8, 1,250.6)           | 0.052153 (0.0123078, 0.1401989)  | 467.8 (116.3, 1,222.7)           | 0.056009 (0.0139236, 0.1463882)  |
| Banten     | Diabetes mellitus                                        | NN  | 127.2 (0.6, 1,092.1)             | 0.014266 (0.0000661, 0.1224325)  | 136.0 (0.6, 1,193.4)             | 0.016284 (0.0000766, 0.1428744)  |
| Banten     | Other non-communicable diseases                          | NN  | 26,714.4 (13,356.0, 42,275.9)    | 2.994914 (1.4973290, 4.7394962)  | 24,938.8 (12,987.8, 40,833.1)    | 2.985729 (1.5549350, 4.8886380)  |
| Banten     | Drowning                                                 | NN  | 1,935.6 (680.5, 4,092.6)         | 0.216998 (0.0762848, 0.4588183)  | 515.3 (169.8, 1,217.9)           | 0.061693 (0.0203340, 0.1458082)  |
| Banten     | Falls                                                    | NN  | 1,329.1 (451.6, 3,014.2)         | 0.149009 (0.0506304, 0.3379166)  | 484.6 (153.8, 1,099.9)           | 0.058013 (0.0184129, 0.1316770)  |
| Banten     | Interpersonal violence                                   | NN  | 185.8 (48.2, 491.9)              | 0.020826 (0.0054043, 0.0551503)  | 113.6 (29.9, 298.5)              | 0.013595 (0.0035739, 0.0357368)  |
| Banten     | Transport injuries                                       | NN  | 1,876.9 (679.6, 3,835.1)         | 0.210422 (0.0761848, 0.4299446)  | 498.9 (171.1, 1,075.9)           | 0.059733 (0.0204895, 0.1288121)  |
| Banten     | Other unintentional injuries                             | NN  | 2,088.3 (731.1, 4,285.6)         | 0.234115 (0.0819578, 0.4804543)  | 722.8 (266.3, 1,552.2)           | 0.086539 (0.0318808, 0.1858316)  |
| Banten     | Diarrheal diseases                                       | PNN | 663.4 (311.2, 1,109.4)           | 0.005959 (0.0027949, 0.0099650)  | 718.6 (337.4, 1,222.4)           | 0.006893 (0.0032367, 0.0117254)  |
| Banten     | HIV/AIDS                                                 | PNN | 72.2 (25.3, 161.6)               | 0.000649 (0.0002275, 0.0014518)  | 53.9 (17.8, 124.2)               | 0.000517 (0.0001705, 0.0011912)  |
| Banten     | Lower respiratory infections                             | PNN | 438.9 (216.6, 740.2)             | 0.003943 (0.0019455, 0.0066487)  | 326.2 (153.2, 570.1)             | 0.003129 (0.0014698, 0.0054680)  |
| Banten     | Malaria                                                  | PNN | 7.9 (1.0, 29.8)                  | 0.000071 (0.0000092, 0.0002680)  | 6.1 (0.8, 21.5)                  | 0.000058 (0.0000081, 0.0002065)  |
| Banten     | Tuberculosis                                             | PNN | 112.7 (48.8, 208.1)              | 0.001013 (0.0004386, 0.0018692)  | 87.8 (35.5, 167.2)               | 0.000842 (0.0003409, 0.0016035)  |
| Banten     | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 45.9 (13.1, 106.3)               | 0.000412 (0.0001173, 0.0009549)  | 35.9 (10.1, 90.8)                | 0.000345 (0.0000968, 0.0008714)  |
| Banten     | Preterm birth complications                              | PNN | 90.5 (34.1, 198.8)               | 0.000813 (0.0003067, 0.0017858)  | 106.5 (41.0, 230.7)              | 0.001022 (0.0003936, 0.0022129)  |
| Banten     | Other neonatal disorders                                 | PNN | 58.4 (18.2, 140.1)               | 0.000524 (0.0001637, 0.0012588)  | 44.9 (13.9, 112.7)               | 0.000431 (0.0001331, 0.0010808)  |
| Banten     | Other communicable diseases                              | PNN | 937.6 (470.5, 1,536.1)           | 0.008422 (0.0042259, 0.0137973)  | 711.8 (354.1, 1,221.0)           | 0.006827 (0.0033967, 0.0117118)  |
| Banten     | Other malignant neoplasms                                | PNN | 21.6 (8.8, 42.5)                 | 0.000194 (0.0000795, 0.0003818)  | 20.2 (8.0, 40.0)                 | 0.000193 (0.0000765, 0.0003838)  |



Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                        |                                 | Females                      |                                 |
|----------|----------------------------------------------------------|-----|------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Banten   | Cerebrovascular disease                                  | PNN | 5.4 (1.4, 14.0)              | 0.000049 (0.0000127, 0.0001261) | 6.7 (1.9, 17.4)              | 0.000064 (0.0000179, 0.0001667) |
| Banten   | Ischemic heart disease                                   | PNN | 3.4 (0.2, 15.6)              | 0.000031 (0.0000021, 0.0001402) | 4.3 (0.3, 20.3)              | 0.000041 (0.0000027, 0.0001951) |
| Banten   | Other cardiovascular and circulatory diseases            | PNN | 6.0 (1.5, 14.1)              | 0.000054 (0.0000133, 0.0001265) | 7.0 (1.8, 18.4)              | 0.000067 (0.0000173, 0.0001769) |
| Banten   | Diabetes mellitus                                        | PNN | 1.6 (0.0, 13.3)              | 0.000015 (0.0000001, 0.0001196) | 2.1 (0.0, 17.1)              | 0.000020 (0.0000001, 0.0001640) |
| Banten   | Chronic kidney disease                                   | PNN | 21.9 (8.9, 45.1)             | 0.000197 (0.0000801, 0.0004052) | 21.4 (8.1, 47.4)             | 0.000205 (0.0000776, 0.0004549) |
| Banten   | Other non-communicable diseases                          | PNN | 343.9 (171.7, 573.1)         | 0.003089 (0.0015423, 0.0051472) | 367.1 (182.1, 615.0)         | 0.003521 (0.0017467, 0.0058991) |
| Banten   | Drowning                                                 | PNN | 30.6 (12.1, 63.7)            | 0.000275 (0.0001086, 0.0005726) | 9.2 (3.3, 19.8)              | 0.000089 (0.0000316, 0.0001899) |
| Banten   | Falls                                                    | PNN | 20.2 (7.4, 43.4)             | 0.000181 (0.0000661, 0.0003899) | 8.4 (2.9, 19.8)              | 0.000081 (0.0000277, 0.0001901) |
| Banten   | Interpersonal violence                                   | PNN | 2.7 (0.7, 6.9)               | 0.000025 (0.0000062, 0.0000617) | 1.9 (0.5, 4.7)               | 0.000018 (0.0000051, 0.0000449) |
| Banten   | Transport injuries                                       | PNN | 29.2 (11.3, 57.1)            | 0.000262 (0.0001013, 0.0005128) | 8.9 (3.3, 18.9)              | 0.000086 (0.0000315, 0.0001813) |
| Banten   | Other unintentional injuries                             | PNN | 31.1 (12.2, 63.5)            | 0.000280 (0.0001092, 0.0005707) | 12.4 (4.7, 26.5)             | 0.000119 (0.0000453, 0.0002539) |
| Banten   | Diarrheal diseases                                       | 1   | 7,204.9 (2,902.7, 15,062.4)  | 0.015147 (0.0061023, 0.0316652) | 7,285.1 (3,195.8, 13,840.5)  | 0.015933 (0.0069894, 0.0302699) |
| Banten   | HIV/AIDS                                                 | 1   | 1,888.6 (543.2, 4,557.3)     | 0.003970 (0.0011420, 0.0095807) | 1,326.3 (387.5, 3,104.6)     | 0.002901 (0.0008474, 0.0067900) |
| Banten   | Lower respiratory infections                             | 1   | 11,137.8 (4,693.8, 21,884.0) | 0.023415 (0.0098676, 0.0460060) | 7,815.0 (3,581.1, 14,696.3)  | 0.017092 (0.0078321, 0.0321417) |
| Banten   | Malaria                                                  | 1   | 69.5 (9.2, 286.6)            | 0.000146 (0.0000193, 0.0006026) | 50.5 (7.0, 214.0)            | 0.000110 (0.0000154, 0.0004680) |
| Banten   | Tuberculosis                                             | 1   | 3,074.4 (1,241.0, 6,435.6)   | 0.006463 (0.0026089, 0.0135294) | 2,265.1 (885.5, 4,609.6)     | 0.004954 (0.0019366, 0.0100815) |
| Banten   | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 589.1 (141.7, 1,561.6)       | 0.001238 (0.0002979, 0.0032829) | 413.6 (103.7, 1,047.7)       | 0.000905 (0.0002267, 0.0022914) |
| Banten   | Preterm birth complications                              | 1   | 223.7 (41.5, 746.6)          | 0.000470 (0.0000873, 0.0015695) | 236.0 (44.0, 731.2)          | 0.000516 (0.0000963, 0.0015992) |
| Banten   | Other neonatal disorders                                 | 1   | 122.0 (0.9, 787.3)           | 0.000257 (0.0000019, 0.0016551) | 80.4 (0.6, 568.5)            | 0.000176 (0.0000013, 0.0012433) |
| Banten   | Other communicable diseases                              | 1   | 21,262.3 (8,506.3, 42,218.4) | 0.044699 (0.0178824, 0.0887542) | 15,490.0 (7,234.0, 28,533.6) | 0.033878 (0.0158212, 0.0624046) |
| Banten   | Other malignant neoplasms                                | 1   | 375.0 (131.7, 809.2)         | 0.000788 (0.0002769, 0.0017011) | 350.8 (137.2, 754.8)         | 0.000767 (0.0003000, 0.0016508) |
| Banten   | Cerebrovascular disease                                  | 1   | 105.1 (23.5, 296.5)          | 0.000221 (0.0000494, 0.0006233) | 126.5 (31.1, 352.5)          | 0.000277 (0.0000681, 0.0007710) |
| Banten   | Ischemic heart disease                                   | 1   | 68.2 (4.0, 321.5)            | 0.000143 (0.0000084, 0.0006759) | 85.4 (5.5, 398.5)            | 0.000187 (0.0000120, 0.0008714) |
| Banten   | Other cardiovascular and circulatory diseases            | 1   | 107.2 (22.8, 293.9)          | 0.000226 (0.0000480, 0.0006179) | 123.9 (30.0, 335.3)          | 0.000271 (0.0000657, 0.0007333) |
| Banten   | Diabetes mellitus                                        | 1   | 28.9 (0.1, 221.6)            | 0.000061 (0.0000003, 0.0004659) | 37.9 (0.2, 304.5)            | 0.000083 (0.0000004, 0.0006660) |
| Banten   | Chronic kidney disease                                   | 1   | 368.9 (124.4, 901.5)         | 0.000776 (0.0002615, 0.0018953) | 360.0 (124.3, 808.0)         | 0.000787 (0.0002719, 0.0017671) |
| Banten   | Cirrhosis                                                | 1   | 686.7 (194.2, 1,783.6)       | 0.001444 (0.0004082, 0.0037496) | 360.0 (107.6, 889.4)         | 0.000787 (0.0002354, 0.0019452) |
| Banten   | Chronic respiratory diseases                             | 1   | 849.4 (273.6, 2,080.6)       | 0.001786 (0.0005752, 0.0043739) | 341.5 (106.5, 819.1)         | 0.000747 (0.0002328, 0.0017915) |
| Banten   | Other non-communicable diseases                          | 1   | 6,013.8 (2,445.2, 11,936.4)  | 0.012643 (0.0051405, 0.0250935) | 6,391.6 (2,983.2, 11,903.9)  | 0.013979 (0.0065245, 0.0260345) |
| Banten   | Drowning                                                 | 1   | 2,130.9 (727.9, 4,490.3)     | 0.004480 (0.0015302, 0.0094397) | 628.5 (208.8, 1,322.6)       | 0.001375 (0.0004566, 0.0028926) |
| Banten   | Falls                                                    | 1   | 969.4 (325.9, 2,211.6)       | 0.002038 (0.0006851, 0.0046493) | 390.1 (129.3, 955.7)         | 0.000853 (0.0002828, 0.0020902) |
| Banten   | Interpersonal violence                                   | 1   | 109.4 (28.3, 300.9)          | 0.000230 (0.0000596, 0.0006327) | 73.9 (18.9, 209.6)           | 0.000162 (0.0000413, 0.0004585) |
| Banten   | Transport injuries                                       | 1   | 1,797.5 (637.4, 4,086.3)     | 0.003779 (0.0013399, 0.0085906) | 534.7 (180.7, 1,170.6)       | 0.001169 (0.0003952, 0.0025602) |
| Banten   | Other unintentional injuries                             | 1   | 1,286.0 (432.9, 2,937.7)     | 0.002704 (0.0009101, 0.0061758) | 496.0 (172.7, 1,135.2)       | 0.001085 (0.0003776, 0.0024827) |
| Banten   | Diarrheal diseases                                       | 5   | 3,170.3 (2,133.1, 4,389.4)   | 0.005434 (0.0036562, 0.0075238) | 3,062.5 (2,132.8, 4,111.0)   | 0.005567 (0.0038769, 0.0074726) |
| Banten   | HIV/AIDS                                                 | 5   | 594.3 (184.1, 1,467.0)       | 0.001019 (0.0003155, 0.0025145) | 391.4 (122.5, 939.9)         | 0.000712 (0.0002227, 0.0017086) |
| Banten   | Lower respiratory infections                             | 5   | 3,234.9 (2,190.5, 4,358.7)   | 0.005545 (0.0037546, 0.0074712) | 2,137.3 (1,485.0, 2,821.0)   | 0.003885 (0.0026993, 0.0051278) |
| Banten   | Malaria                                                  | 5   | 30.4 (5.4, 111.2)            | 0.000052 (0.0000092, 0.0001906) | 21.0 (3.4, 75.3)             | 0.000038 (0.0000063, 0.0001368) |
| Banten   | Tuberculosis                                             | 5   | 1,286.6 (787.5, 1,960.3)     | 0.002205 (0.0013498, 0.0033601) | 890.4 (556.3, 1,301.3)       | 0.001618 (0.0010112, 0.0023653) |
| Banten   | Other communicable diseases                              | 5   | 9,234.1 (7,363.1, 11,259.8)  | 0.015828 (0.0126209, 0.0193002) | 6,424.8 (5,182.0, 7,831.1)   | 0.011678 (0.0094194, 0.0142346) |
| Banten   | Other malignant neoplasms                                | 5   | 1,341.4 (821.1, 2,042.7)     | 0.002299 (0.0014075, 0.0035014) | 1,227.6 (809.8, 1,797.7)     | 0.002232 (0.0014721, 0.0032677) |
| Banten   | Cerebrovascular disease                                  | 5   | 245.2 (119.8, 426.4)         | 0.000420 (0.0002054, 0.0007309) | 288.1 (147.9, 473.5)         | 0.000524 (0.0002688, 0.0008607) |
| Banten   | Ischemic heart disease                                   | 5   | 180.0 (72.2, 360.6)          | 0.000309 (0.0001237, 0.0006181) | 215.6 (89.1, 413.4)          | 0.000392 (0.0001619, 0.0007515) |
| Banten   | Other cardiovascular and circulatory diseases            | 5   | 285.3 (123.6, 580.6)         | 0.000489 (0.0002119, 0.0009953) | 313.2 (152.7, 584.0)         | 0.000569 (0.0002776, 0.0010615) |
| Banten   | Diabetes mellitus                                        | 5   | 193.2 (73.9, 420.7)          | 0.000331 (0.0001267, 0.0007212) | 255.1 (106.6, 536.0)         | 0.000464 (0.0001938, 0.0009742) |
| Banten   | Chronic kidney disease                                   | 5   | 456.1 (228.5, 780.5)         | 0.000782 (0.0003916, 0.0013378) | 435.2 (228.3, 730.5)         | 0.000791 (0.0004150, 0.0013278) |
| Banten   | Cirrhosis                                                | 5   | 1,064.0 (590.5, 1,667.8)     | 0.001824 (0.0010122, 0.0028588) | 549.9 (311.4, 892.8)         | 0.001000 (0.0005660, 0.0016228) |
| Banten   | Chronic respiratory diseases                             | 5   | 397.9 (191.8, 740.9)         | 0.000682 (0.0003287, 0.0012700) | 152.8 (74.9, 280.5)          | 0.000278 (0.0001362, 0.0005099) |
| Banten   | Other non-communicable diseases                          | 5   | 3,081.3 (2,227.2, 4,117.1)   | 0.005282 (0.0038175, 0.0070571) | 3,196.5 (2,453.5, 4,028.3)   | 0.005810 (0.0044598, 0.0073223) |
| Banten   | Drowning                                                 | 5   | 4,624.8 (2,970.3, 6,597.0)   | 0.007927 (0.0050914, 0.0113078) | 1,673.4 (1,002.7, 2,497.2)   | 0.003042 (0.0018225, 0.0045392) |
| Banten   | Falls                                                    | 5   | 1,047.9 (540.5, 1,804.9)     | 0.001796 (0.0009264, 0.0030937) | 484.6 (248.6, 861.2)         | 0.000881 (0.0004519, 0.0015655) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Banten   | Interpersonal violence                        | 5   | 53.0 (20.3, 111.0)            | 0.000091 (0.0000347, 0.0001903) | 40.6 (16.4, 85.1)          | 0.000074 (0.0000297, 0.0001547) |
| Banten   | Transport injuries                            | 5   | 3,747.5 (2,329.2, 5,334.9)    | 0.006424 (0.0039925, 0.0091445) | 1,343.7 (795.7, 2,020.6)   | 0.002442 (0.0014463, 0.0036728) |
| Banten   | Other unintentional injuries                  | 5   | 733.7 (381.3, 1,293.8)        | 0.001258 (0.0006536, 0.0022176) | 324.6 (163.8, 585.1)       | 0.000590 (0.0002977, 0.0010635) |
| Banten   | Diarrheal diseases                            | 10  | 1,640.7 (1,062.5, 2,455.5)    | 0.002815 (0.0018231, 0.0042133) | 1,449.1 (955.8, 2,088.8)   | 0.002630 (0.0017349, 0.0037915) |
| Banten   | HIV/AIDS                                      | 10  | 558.5 (229.5, 1,170.2)        | 0.000958 (0.0003939, 0.0020079) | 333.7 (138.4, 687.5)       | 0.000606 (0.0002512, 0.0012478) |
| Banten   | Lower respiratory infections                  | 10  | 1,944.1 (1,311.5, 2,777.7)    | 0.003336 (0.0022504, 0.0047662) | 1,122.9 (766.5, 1,606.7)   | 0.002038 (0.0013912, 0.0029164) |
| Banten   | Malaria                                       | 10  | 64.9 (12.4, 205.7)            | 0.000111 (0.0000214, 0.0003529) | 42.2 (7.5, 143.7)          | 0.000077 (0.0000137, 0.0002609) |
| Banten   | Tuberculosis                                  | 10  | 2,821.7 (1,988.9, 3,843.4)    | 0.004842 (0.0034127, 0.0065948) | 1,771.0 (1,287.5, 2,408.9) | 0.003215 (0.0023370, 0.0043725) |
| Banten   | Maternal disorders                            | 10  |                               |                                 | 102.0 (17.3, 275.3)        | 0.000185 (0.0000314, 0.0004997) |
| Banten   | Other communicable diseases                   | 10  | 7,312.2 (5,786.6, 8,889.9)    | 0.012547 (0.0099292, 0.0152540) | 4,508.7 (3,615.9, 5,478.7) | 0.008184 (0.0065634, 0.0099445) |
| Banten   | Other malignant neoplasms                     | 10  | 2,024.8 (1,446.5, 2,828.0)    | 0.003474 (0.0024820, 0.0048525) | 1,759.2 (1,317.6, 2,331.1) | 0.003193 (0.0023915, 0.0042313) |
| Banten   | Cerebrovascular disease                       | 10  | 417.9 (238.7, 653.9)          | 0.000717 (0.0004096, 0.0011220) | 427.2 (262.0, 643.1)       | 0.000776 (0.0004757, 0.0011673) |
| Banten   | Ischemic heart disease                        | 10  | 464.6 (276.1, 717.4)          | 0.000797 (0.0004738, 0.0012310) | 478.1 (295.8, 712.3)       | 0.000868 (0.0005369, 0.0012929) |
| Banten   | Other cardiovascular and circulatory diseases | 10  | 443.1 (247.0, 733.8)          | 0.000760 (0.0004239, 0.0012591) | 437.2 (246.0, 720.9)       | 0.000794 (0.0004464, 0.0013086) |
| Banten   | Diabetes mellitus                             | 10  | 290.5 (160.2, 488.8)          | 0.000498 (0.0002749, 0.0008387) | 350.1 (193.5, 566.9)       | 0.000635 (0.0003511, 0.0010289) |
| Banten   | Chronic kidney disease                        | 10  | 680.7 (422.4, 1,041.0)        | 0.001168 (0.0007248, 0.0017862) | 595.0 (384.8, 893.1)       | 0.001080 (0.0006984, 0.0016211) |
| Banten   | Cirrhosis                                     | 10  | 1,286.5 (858.9, 1,829.7)      | 0.002207 (0.0014739, 0.0031396) | 594.5 (382.4, 848.9)       | 0.001079 (0.0006940, 0.0015409) |
| Banten   | Chronic respiratory diseases                  | 10  | 720.2 (425.0, 1,099.8)        | 0.001236 (0.0007292, 0.0018870) | 263.7 (159.6, 421.0)       | 0.000479 (0.0002897, 0.0007641) |
| Banten   | Other non-communicable diseases               | 10  | 3,737.5 (2,965.4, 4,647.6)    | 0.006413 (0.0050884, 0.0079747) | 3,401.7 (2,764.3, 4,139.2) | 0.006175 (0.0050176, 0.0075131) |
| Banten   | Drowning                                      | 10  | 2,514.7 (1,426.0, 3,977.1)    | 0.004315 (0.0024468, 0.0068243) | 715.9 (361.1, 1,213.1)     | 0.001299 (0.0006554, 0.0022019) |
| Banten   | Falls                                         | 10  | 977.0 (508.0, 1,755.3)        | 0.001676 (0.0008716, 0.0030118) | 373.2 (184.0, 683.7)       | 0.000678 (0.0003340, 0.0012410) |
| Banten   | Interpersonal violence                        | 10  | 89.3 (41.0, 175.4)            | 0.000153 (0.0000704, 0.0003010) | 59.9 (27.9, 115.5)         | 0.000109 (0.0000506, 0.0002096) |
| Banten   | Self-harm                                     | 10  | 390.9 (151.6, 810.0)          | 0.000671 (0.0002601, 0.0013899) | 226.4 (89.5, 440.0)        | 0.000411 (0.0001624, 0.0007987) |
| Banten   | Transport injuries                            | 10  | 5,978.2 (4,418.5, 7,702.6)    | 0.010258 (0.0075817, 0.0132168) | 1,880.5 (1,305.4, 2,563.3) | 0.003413 (0.0023695, 0.0046527) |
| Banten   | Other unintentional injuries                  | 10  | 777.6 (429.9, 1,296.9)        | 0.001334 (0.0007377, 0.0022253) | 292.8 (155.6, 515.5)       | 0.000532 (0.0002825, 0.0009358) |
| Banten   | Diarrheal diseases                            | 15  | 1,342.2 (728.8, 2,220.6)      | 0.002389 (0.0012970, 0.0039519) | 843.1 (478.9, 1,322.5)     | 0.001586 (0.0009010, 0.0024881) |
| Banten   | HIV/AIDS                                      | 15  | 651.4 (236.6, 1,459.6)        | 0.001159 (0.0004211, 0.0025975) | 282.2 (99.6, 628.4)        | 0.000531 (0.0001874, 0.0011823) |
| Banten   | Lower respiratory infections                  | 15  | 1,211.9 (758.5, 1,856.8)      | 0.002157 (0.0013500, 0.0033046) | 463.4 (286.0, 733.9)       | 0.000872 (0.0005381, 0.0013808) |
| Banten   | Malaria                                       | 15  | 231.3 (44.4, 708.1)           | 0.000412 (0.0000790, 0.0012601) | 107.2 (17.7, 340.1)        | 0.000202 (0.0000333, 0.0006400) |
| Banten   | Tuberculosis                                  | 15  | 6,439.3 (4,710.9, 8,427.7)    | 0.011460 (0.0083838, 0.0149985) | 2,593.3 (1,888.7, 3,397.6) | 0.004879 (0.0035534, 0.0063923) |
| Banten   | Maternal disorders                            | 15  |                               |                                 | 1,549.4 (950.0, 2,357.6)   | 0.002915 (0.0017874, 0.0044357) |
| Banten   | Other communicable diseases                   | 15  | 7,517.7 (5,658.2, 9,712.5)    | 0.013379 (0.0100697, 0.0172849) | 3,240.0 (2,418.9, 4,138.7) | 0.006096 (0.0045509, 0.0077866) |
| Banten   | Tracheal, bronchus, and lung cancer           | 15  | 368.0 (133.6, 811.9)          | 0.000655 (0.0002378, 0.0014449) | 112.0 (37.9, 248.2)        | 0.000211 (0.0000714, 0.0004669) |
| Banten   | Breast cancer                                 | 15  | 15.6 (2.0, 56.5)              | 0.000028 (0.0000036, 0.0001005) | 359.6 (120.7, 770.6)       | 0.000677 (0.0002271, 0.0014499) |
| Banten   | Cervical cancer                               | 15  |                               |                                 | 193.5 (57.4, 481.7)        | 0.000364 (0.0001080, 0.0009063) |
| Banten   | Other malignant neoplasms                     | 15  | 2,874.5 (2,000.6, 3,971.6)    | 0.005116 (0.0035604, 0.0070681) | 2,509.2 (1,807.7, 3,343.5) | 0.004721 (0.0034011, 0.0062906) |
| Banten   | Cerebrovascular disease                       | 15  | 1,024.2 (595.9, 1,545.9)      | 0.001823 (0.0010605, 0.0027513) | 771.5 (468.3, 1,156.3)     | 0.001452 (0.0008810, 0.0021755) |
| Banten   | Ischemic heart disease                        | 15  | 2,029.0 (1,339.9, 2,930.0)    | 0.003611 (0.0023846, 0.0052144) | 1,255.0 (867.0, 1,751.1)   | 0.002361 (0.0016313, 0.0032946) |
| Banten   | Other cardiovascular and circulatory diseases | 15  | 888.9 (492.2, 1,499.1)        | 0.001582 (0.0008760, 0.0026679) | 735.3 (402.8, 1,239.2)     | 0.001383 (0.0007578, 0.0023316) |
| Banten   | Diabetes mellitus                             | 15  | 611.0 (325.9, 1,009.7)        | 0.001087 (0.0005800, 0.0017970) | 624.2 (339.7, 1,029.9)     | 0.001175 (0.0006392, 0.0019377) |
| Banten   | Chronic kidney disease                        | 15  | 1,316.9 (820.0, 1,976.2)      | 0.002344 (0.0014592, 0.0035170) | 977.1 (605.6, 1,488.8)     | 0.001838 (0.0011394, 0.0028010) |
| Banten   | Cirrhosis                                     | 15  | 2,074.6 (1,335.4, 3,027.9)    | 0.003692 (0.0023765, 0.0053887) | 816.1 (511.3, 1,212.1)     | 0.001535 (0.0009621, 0.0022805) |
| Banten   | Chronic respiratory diseases                  | 15  | 714.1 (418.1, 1,136.6)        | 0.001271 (0.0007442, 0.0020228) | 282.1 (149.6, 459.2)       | 0.000531 (0.0002815, 0.0008639) |
| Banten   | Other non-communicable diseases               | 15  | 5,813.8 (4,416.9, 7,436.2)    | 0.010347 (0.0078607, 0.0132339) | 4,127.7 (3,237.6, 5,116.6) | 0.007766 (0.0060914, 0.0096266) |
| Banten   | Drowning                                      | 15  | 1,738.9 (862.6, 3,094.0)      | 0.003095 (0.0015352, 0.0055063) | 399.3 (181.4, 743.9)       | 0.000751 (0.0003414, 0.0013996) |
| Banten   | Falls                                         | 15  | 1,175.3 (644.5, 2,000.4)      | 0.002092 (0.0011470, 0.0035601) | 373.8 (194.8, 675.6)       | 0.000703 (0.0003665, 0.0012710) |
| Banten   | Interpersonal violence                        | 15  | 273.0 (134.0, 494.2)          | 0.000486 (0.0002385, 0.0008795) | 153.4 (74.0, 281.6)        | 0.000289 (0.0001393, 0.0005297) |
| Banten   | Self-harm                                     | 15  | 1,010.7 (499.6, 1,867.2)      | 0.001799 (0.0008892, 0.0033231) | 491.9 (224.9, 927.8)       | 0.000926 (0.0004232, 0.0017456) |
| Banten   | Transport injuries                            | 15  | 21,804.7 (17,650.8, 26,080.3) | 0.038805 (0.0314125, 0.0464142) | 6,460.2 (5,269.8, 7,918.2) | 0.012155 (0.0099147, 0.0148975) |
| Banten   | Other unintentional injuries                  | 15  | 1,492.0 (881.5, 2,386.3)      | 0.002655 (0.0015687, 0.0042468) | 467.8 (262.0, 784.6)       | 0.000880 (0.0004930, 0.0014762) |
| Banten   | Diarrheal diseases                            | 20  | 1,363.1 (777.3, 2,183.8)      | 0.002483 (0.0014159, 0.0039777) | 781.9 (455.7, 1,216.5)     | 0.001444 (0.0008414, 0.0022463) |
| Banten   | HIV/AIDS                                      | 20  | 2,216.6 (1,098.1, 4,012.2)    | 0.004038 (0.0020002, 0.0073082) | 865.5 (420.3, 1,547.9)     | 0.001598 (0.0007761, 0.0028581) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Banten   | Lower respiratory infections                  | 20  | 1,180.1 (698.9, 1,818.0)      | 0.002150 (0.0012731, 0.0033114) | 386.1 (224.2, 617.1)       | 0.000713 (0.0004140, 0.0011395) |
| Banten   | Malaria                                       | 20  | 312.0 (57.1, 953.0)           | 0.000568 (0.0001041, 0.0017359) | 120.2 (19.1, 386.9)        | 0.000222 (0.0000353, 0.0007144) |
| Banten   | Tuberculosis                                  | 20  | 13,383.3 (9,835.3, 17,147.5)  | 0.024378 (0.0179151, 0.0312342) | 4,079.0 (3,089.5, 5,326.5) | 0.007532 (0.0057045, 0.0098352) |
| Banten   | Maternal disorders                            | 20  |                               |                                 | 2,757.3 (1,865.7, 3,920.4) | 0.005091 (0.0034449, 0.0072387) |
| Banten   | Other communicable diseases                   | 20  | 9,762.1 (7,360.1, 12,477.5)   | 0.017782 (0.0134065, 0.0227279) | 3,936.0 (3,016.0, 5,187.0) | 0.007268 (0.0055688, 0.0095775) |
| Banten   | Tracheal, bronchus, and lung cancer           | 20  | 269.2 (75.5, 660.8)           | 0.000490 (0.0001375, 0.0012036) | 180.5 (75.3, 348.9)        | 0.000333 (0.0001391, 0.0006443) |
| Banten   | Breast cancer                                 | 20  | 21.6 (5.4, 60.9)              | 0.000039 (0.0000099, 0.0001109) | 1,112.7 (589.1, 1,876.8)   | 0.002055 (0.0010877, 0.0034654) |
| Banten   | Cervical cancer                               | 20  |                               |                                 | 454.3 (176.5, 901.2)       | 0.000839 (0.0003260, 0.0016640) |
| Banten   | Other malignant neoplasms                     | 20  | 3,012.5 (2,091.0, 4,200.7)    | 0.005487 (0.0038087, 0.0076516) | 2,866.7 (2,014.0, 3,892.5) | 0.005293 (0.0037188, 0.0071874) |
| Banten   | Cerebrovascular disease                       | 20  | 2,109.4 (1,452.8, 2,851.6)    | 0.003842 (0.0026463, 0.0051943) | 1,296.2 (913.8, 1,782.4)   | 0.002393 (0.0016873, 0.0032910) |
| Banten   | Ischemic heart disease                        | 20  | 4,140.1 (2,957.2, 5,575.4)    | 0.007541 (0.0053866, 0.0101556) | 1,582.0 (1,124.3, 2,149.6) | 0.002921 (0.0020760, 0.0039691) |
| Banten   | Other cardiovascular and circulatory diseases | 20  | 1,475.2 (951.8, 2,128.3)      | 0.002687 (0.0017336, 0.0038767) | 1,110.5 (750.6, 1,580.5)   | 0.002051 (0.0013860, 0.0029184) |
| Banten   | Diabetes mellitus                             | 20  | 669.3 (406.6, 1,040.0)        | 0.001219 (0.0007406, 0.0018943) | 607.7 (369.6, 935.0)       | 0.001122 (0.0006824, 0.0017264) |
| Banten   | Chronic kidney disease                        | 20  | 2,337.2 (1,561.0, 3,290.9)    | 0.004257 (0.0028434, 0.0059943) | 1,505.1 (1,035.8, 2,129.7) | 0.002779 (0.0019125, 0.0039324) |
| Banten   | Cirrhosis                                     | 20  | 3,678.1 (2,463.3, 5,131.2)    | 0.006700 (0.0044870, 0.0093465) | 1,352.3 (919.9, 1,893.2)   | 0.002497 (0.0016986, 0.0034956) |
| Banten   | Chronic respiratory diseases                  | 20  | 1,602.2 (1,045.8, 2,374.2)    | 0.002919 (0.0019049, 0.0043246) | 745.4 (467.3, 1,131.6)     | 0.001376 (0.0008628, 0.0020893) |
| Banten   | Other non-communicable diseases               | 20  | 6,070.8 (4,485.6, 7,876.3)    | 0.011058 (0.0081706, 0.0143468) | 3,739.6 (2,881.9, 4,725.2) | 0.006905 (0.0053213, 0.0087249) |
| Banten   | Drowning                                      | 20  | 1,309.3 (573.2, 2,336.1)      | 0.002385 (0.0010441, 0.0042552) | 284.6 (123.2, 546.9)       | 0.000525 (0.0002275, 0.0010098) |
| Banten   | Falls                                         | 20  | 1,224.7 (663.6, 2,026.0)      | 0.002231 (0.0012088, 0.0036904) | 351.8 (181.5, 609.4)       | 0.000650 (0.0003351, 0.0011252) |
| Banten   | Interpersonal violence                        | 20  | 363.6 (182.3, 653.4)          | 0.000662 (0.0003321, 0.0011901) | 157.7 (75.3, 290.8)        | 0.000291 (0.0001391, 0.0005370) |
| Banten   | Self-harm                                     | 20  | 1,162.0 (568.2, 2,089.7)      | 0.002117 (0.0010350, 0.0038064) | 426.0 (195.2, 796.9)       | 0.000787 (0.0003604, 0.0014714) |
| Banten   | Transport injuries                            | 20  | 19,236.1 (14,657.8, 23,848.8) | 0.035039 (0.0266993, 0.0434406) | 4,593.3 (3,475.7, 5,933.7) | 0.008481 (0.0064177, 0.0109562) |
| Banten   | Other unintentional injuries                  | 20  | 1,808.6 (1,019.6, 2,940.8)    | 0.003294 (0.0018573, 0.0053567) | 470.6 (265.3, 783.5)       | 0.000869 (0.0004899, 0.0014467) |
| Banten   | Diarrheal diseases                            | 25  | 1,907.8 (1,185.9, 2,983.9)    | 0.003309 (0.0020568, 0.0051752) | 1,079.4 (656.6, 1,692.9)   | 0.001903 (0.0011573, 0.0029839) |
| Banten   | HIV/AIDS                                      | 25  | 3,851.6 (2,183.5, 6,367.2)    | 0.006680 (0.0037869, 0.0110428) | 1,500.1 (815.5, 2,419.7)   | 0.002644 (0.0014374, 0.0042649) |
| Banten   | Lower respiratory infections                  | 25  | 1,143.9 (687.7, 1,709.8)      | 0.001984 (0.0011926, 0.0029654) | 371.4 (217.6, 613.8)       | 0.000655 (0.0003836, 0.0010818) |
| Banten   | Malaria                                       | 25  | 334.1 (61.8, 1,038.4)         | 0.000580 (0.0001072, 0.0018009) | 122.8 (21.2, 403.7)        | 0.000216 (0.0000374, 0.0007115) |
| Banten   | Tuberculosis                                  | 25  | 17,250.4 (13,023.4, 21,561.4) | 0.029918 (0.0225869, 0.0373947) | 5,051.3 (3,643.9, 6,763.1) | 0.008903 (0.0064225, 0.0119204) |
| Banten   | Maternal disorders                            | 25  |                               |                                 | 3,630.7 (2,418.5, 5,189.3) | 0.006399 (0.0042627, 0.0091465) |
| Banten   | Other communicable diseases                   | 25  | 10,188.2 (7,602.9, 12,745.7)  | 0.017670 (0.0131859, 0.0221054) | 4,086.0 (2,957.8, 5,527.7) | 0.007202 (0.0052133, 0.0097430) |
| Banten   | Tracheal, bronchus, and lung cancer           | 25  | 318.4 (81.3, 740.5)           | 0.000552 (0.0001410, 0.0012842) | 238.6 (105.1, 452.1)       | 0.000421 (0.0001853, 0.0007968) |
| Banten   | Breast cancer                                 | 25  | 22.8 (5.3, 70.6)              | 0.000040 (0.0000092, 0.0001224) | 2,265.2 (1,403.5, 3,444.4) | 0.003993 (0.0024738, 0.0060709) |
| Banten   | Cervical cancer                               | 25  |                               |                                 | 805.6 (350.8, 1,520.9)     | 0.001420 (0.0006183, 0.0026807) |
| Banten   | Other malignant neoplasms                     | 25  | 4,195.3 (3,063.9, 5,687.0)    | 0.007276 (0.0053139, 0.0098632) | 3,157.2 (2,114.4, 4,448.3) | 0.005565 (0.0037267, 0.0078404) |
| Banten   | Cerebrovascular disease                       | 25  | 3,649.5 (2,706.3, 4,780.7)    | 0.006330 (0.0046937, 0.0082913) | 2,177.4 (1,601.1, 2,940.1) | 0.003838 (0.0028220, 0.0051822) |
| Banten   | Ischemic heart disease                        | 25  | 7,460.7 (5,604.1, 9,330.1)    | 0.012939 (0.0097194, 0.0161815) | 2,648.9 (1,967.1, 3,506.4) | 0.004669 (0.0034671, 0.0061802) |
| Banten   | Other cardiovascular and circulatory diseases | 25  | 1,913.4 (1,324.4, 2,612.9)    | 0.003319 (0.0022969, 0.0045316) | 1,425.6 (961.9, 2,024.1)   | 0.002513 (0.0016955, 0.0035676) |
| Banten   | Diabetes mellitus                             | 25  | 1,146.4 (783.3, 1,589.2)      | 0.001988 (0.0013586, 0.0027562) | 985.4 (662.6, 1,429.1)     | 0.001737 (0.0011679, 0.0025189) |
| Banten   | Chronic kidney disease                        | 25  | 2,707.7 (1,886.2, 3,715.4)    | 0.004696 (0.0032714, 0.0064437) | 1,644.6 (1,148.2, 2,355.2) | 0.002899 (0.0020237, 0.0041511) |
| Banten   | Cirrhosis                                     | 25  | 5,118.5 (3,605.9, 6,811.4)    | 0.008877 (0.0062539, 0.0118133) | 1,819.0 (1,270.1, 2,522.7) | 0.003206 (0.0022386, 0.0044464) |
| Banten   | Chronic respiratory diseases                  | 25  | 1,945.0 (1,329.4, 2,689.9)    | 0.003373 (0.0023055, 0.0046651) | 902.8 (584.2, 1,339.6)     | 0.001591 (0.0010297, 0.0023611) |
| Banten   | Other non-communicable diseases               | 25  | 6,876.3 (5,178.8, 8,859.6)    | 0.011926 (0.0089818, 0.0153654) | 4,157.6 (3,122.1, 5,440.3) | 0.007328 (0.0055029, 0.0095888) |
| Banten   | Drowning                                      | 25  | 817.1 (339.7, 1,574.6)        | 0.001417 (0.0005892, 0.0027309) | 175.7 (70.0, 353.8)        | 0.000310 (0.0001234, 0.0006237) |
| Banten   | Falls                                         | 25  | 1,671.1 (965.9, 2,793.8)      | 0.002898 (0.0016752, 0.0048454) | 469.1 (263.1, 797.8)       | 0.000827 (0.0004637, 0.0014062) |
| Banten   | Interpersonal violence                        | 25  | 363.5 (177.1, 658.4)          | 0.000630 (0.0003071, 0.0011419) | 146.6 (68.1, 269.2)        | 0.000258 (0.0001201, 0.0004745) |
| Banten   | Self-harm                                     | 25  | 1,083.3 (531.1, 1,956.2)      | 0.001879 (0.0009212, 0.0033927) | 365.0 (167.4, 710.3)       | 0.000643 (0.0002950, 0.0012520) |
| Banten   | Transport injuries                            | 25  | 12,662.2 (9,230.8, 16,188.5)  | 0.021961 (0.0160092, 0.0280762) | 2,700.7 (1,901.0, 3,750.1) | 0.004760 (0.0033506, 0.0066098) |
| Banten   | Other unintentional injuries                  | 25  | 2,106.6 (1,222.3, 3,367.8)    | 0.003654 (0.0021199, 0.0058408) | 519.8 (295.3, 862.1)       | 0.000916 (0.0005206, 0.0015195) |
| Banten   | Diarrheal diseases                            | 30  | 1,852.8 (1,100.3, 2,871.4)    | 0.003552 (0.0021092, 0.0055044) | 1,181.5 (712.1, 1,836.1)   | 0.002290 (0.0013803, 0.0035589) |
| Banten   | HIV/AIDS                                      | 30  | 3,395.0 (1,892.0, 5,515.3)    | 0.006508 (0.0036268, 0.0105725) | 1,527.4 (838.4, 2,509.4)   | 0.002961 (0.0016250, 0.0048640) |
| Banten   | Lower respiratory infections                  | 30  | 906.8 (559.8, 1,393.2)        | 0.001738 (0.0010730, 0.0026707) | 348.1 (202.5, 570.1)       | 0.000675 (0.0003925, 0.0011051) |
| Banten   | Malaria                                       | 30  | 253.5 (47.4, 791.2)           | 0.000486 (0.0000909, 0.0015167) | 98.4 (16.3, 332.5)         | 0.000191 (0.0000316, 0.0006445) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Banten   | Tuberculosis                                  | 30  | 15,200.0      | (11,307.3, 19,329.2) | 0.029137                 | (0.0216753, 0.0370529) | 4,889.3       | (3,465.9, 6,507.6) | 0.009477                 | (0.0067179, 0.0126136) |
| Banten   | Maternal disorders                            | 30  |               |                      |                          |                        | 3,198.6       | (2,033.3, 4,562.9) | 0.006200                 | (0.0039411, 0.0088442) |
| Banten   | Other communicable diseases                   | 30  | 6,222.9       | (4,528.3, 8,319.5)   | 0.011929                 | (0.0086804, 0.0159479) | 2,862.1       | (1,961.5, 4,071.2) | 0.005548                 | (0.0038018, 0.0078911) |
| Banten   | Tracheal, bronchus, and lung cancer           | 30  | 666.7         | (255.6, 1,419.0)     | 0.001278                 | (0.0004900, 0.0027201) | 262.2         | (116.6, 511.4)     | 0.000508                 | (0.0002260, 0.0009912) |
| Banten   | Breast cancer                                 | 30  | 28.6          | (4.8, 103.7)         | 0.000055                 | (0.0000092, 0.0001987) | 3,387.8       | (2,177.6, 4,914.1) | 0.006567                 | (0.0042208, 0.0095249) |
| Banten   | Cervical cancer                               | 30  |               |                      |                          |                        | 1,164.5       | (555.2, 2,111.2)   | 0.002257                 | (0.0010761, 0.0040920) |
| Banten   | Other malignant neoplasms                     | 30  | 4,775.5       | (3,413.8, 6,413.5)   | 0.009154                 | (0.0065441, 0.0122944) | 3,080.6       | (2,038.2, 4,527.0) | 0.005971                 | (0.0039506, 0.0087745) |
| Banten   | Cerebrovascular disease                       | 30  | 5,136.0       | (3,883.6, 6,663.2)   | 0.009845                 | (0.0074446, 0.0127729) | 3,342.0       | (2,413.2, 4,471.2) | 0.006478                 | (0.0046774, 0.0086665) |
| Banten   | Ischemic heart disease                        | 30  | 9,857.6       | (7,507.3, 12,285.0)  | 0.018896                 | (0.0143910, 0.0235496) | 3,689.9       | (2,749.7, 4,942.2) | 0.007152                 | (0.0053297, 0.0095794) |
| Banten   | Other cardiovascular and circulatory diseases | 30  | 2,072.6       | (1,430.4, 2,871.4)   | 0.003973                 | (0.0027420, 0.0055042) | 1,675.8       | (1,129.3, 2,390.8) | 0.003248                 | (0.0021889, 0.0046340) |
| Banten   | Diabetes mellitus                             | 30  | 1,722.4       | (1,219.0, 2,372.0)   | 0.003302                 | (0.0023368, 0.0045469) | 1,544.8       | (1,060.4, 2,151.8) | 0.002994                 | (0.0020554, 0.0041708) |
| Banten   | Chronic kidney disease                        | 30  | 2,707.1       | (1,900.3, 3,692.1)   | 0.005189                 | (0.0036428, 0.0070776) | 1,702.2       | (1,170.8, 2,422.3) | 0.003299                 | (0.0022694, 0.0046950) |
| Banten   | Cirrhosis                                     | 30  | 5,964.5       | (4,332.0, 7,855.7)   | 0.011434                 | (0.0083041, 0.0150588) | 2,309.4       | (1,617.4, 3,214.9) | 0.004476                 | (0.0031349, 0.0062315) |
| Banten   | Chronic respiratory diseases                  | 30  | 1,784.9       | (1,212.8, 2,515.5)   | 0.003421                 | (0.0023249, 0.0048221) | 905.1         | (573.2, 1,396.7)   | 0.001754                 | (0.0011109, 0.0027072) |
| Banten   | Other non-communicable diseases               | 30  | 6,341.6       | (4,691.3, 8,306.2)   | 0.012157                 | (0.0089929, 0.0159225) | 4,185.0       | (3,048.4, 5,646.6) | 0.008112                 | (0.0059086, 0.0109448) |
| Banten   | Drowning                                      | 30  | 760.4         | (355.2, 1,396.3)     | 0.001458                 | (0.0006808, 0.0026767) | 200.2         | (84.5, 385.4)      | 0.000388                 | (0.0001637, 0.0007470) |
| Banten   | Falls                                         | 30  | 1,692.5       | (945.3, 2,701.3)     | 0.003244                 | (0.0018122, 0.0051782) | 559.3         | (306.7, 952.4)     | 0.001084                 | (0.0005945, 0.0018459) |
| Banten   | Interpersonal violence                        | 30  | 254.5         | (127.2, 463.7)       | 0.000488                 | (0.0002439, 0.0008889) | 108.2         | (49.0, 199.1)      | 0.000210                 | (0.0000949, 0.0003860) |
| Banten   | Self-harm                                     | 30  | 754.8         | (366.6, 1,421.3)     | 0.001447                 | (0.0007027, 0.0027245) | 263.6         | (121.6, 534.9)     | 0.000511                 | (0.0002356, 0.0010368) |
| Banten   | Transport injuries                            | 30  | 9,409.0       | (6,892.5, 12,378.6)  | 0.018037                 | (0.0132126, 0.0237290) | 2,254.3       | (1,490.3, 3,228.9) | 0.004370                 | (0.0028886, 0.0062584) |
| Banten   | Other unintentional injuries                  | 30  | 1,692.1       | (937.8, 2,650.2)     | 0.003244                 | (0.0017976, 0.0050802) | 462.0         | (257.8, 762.3)     | 0.000895                 | (0.0004996, 0.0014776) |
| Banten   | Diarrheal diseases                            | 35  | 1,525.3       | (926.6, 2,393.2)     | 0.003164                 | (0.0019219, 0.0049638) | 1,032.0       | (636.2, 1,626.1)   | 0.002282                 | (0.0014069, 0.0035960) |
| Banten   | HIV/AIDS                                      | 35  | 2,828.4       | (1,489.9, 4,682.2)   | 0.005867                 | (0.0030904, 0.0097117) | 1,304.7       | (684.9, 2,126.2)   | 0.002885                 | (0.0015145, 0.0047018) |
| Banten   | Lower respiratory infections                  | 35  | 914.7         | (564.9, 1,357.1)     | 0.001897                 | (0.0011716, 0.0028149) | 380.5         | (227.6, 609.8)     | 0.000841                 | (0.0005033, 0.0013485) |
| Banten   | Malaria                                       | 35  | 201.2         | (40.0, 622.9)        | 0.000417                 | (0.0000829, 0.0012921) | 78.5          | (14.5, 253.2)      | 0.000174                 | (0.0000320, 0.0005600) |
| Banten   | Tuberculosis                                  | 35  | 14,823.1      | (10,963.0, 18,833.1) | 0.030746                 | (0.0227392, 0.0390635) | 4,900.4       | (3,489.5, 6,606.2) | 0.010837                 | (0.0077168, 0.0146092) |
| Banten   | Maternal disorders                            | 35  |               |                      |                          |                        | 4,017.9       | (2,612.5, 5,747.8) | 0.008885                 | (0.0057773, 0.0127109) |
| Banten   | Other communicable diseases                   | 35  | 5,290.9       | (3,787.3, 7,065.2)   | 0.010974                 | (0.0078556, 0.0146546) | 2,608.4       | (1,768.7, 3,607.5) | 0.005768                 | (0.0039112, 0.0079778) |
| Banten   | Tracheal, bronchus, and lung cancer           | 35  | 564.1         | (250.2, 1,112.3)     | 0.001170                 | (0.0005191, 0.0023071) | 337.4         | (156.6, 614.8)     | 0.000746                 | (0.0003462, 0.0013596) |
| Banten   | Breast cancer                                 | 35  | 53.4          | (10.0, 177.7)        | 0.000111                 | (0.0000207, 0.0003687) | 4,505.7       | (2,919.8, 6,504.2) | 0.009964                 | (0.0064568, 0.0143835) |
| Banten   | Cervical cancer                               | 35  |               |                      |                          |                        | 1,832.1       | (928.6, 3,225.2)   | 0.004052                 | (0.0020536, 0.0071323) |
| Banten   | Other malignant neoplasms                     | 35  | 6,678.3       | (4,914.0, 8,849.3)   | 0.013852                 | (0.0101926, 0.0183550) | 3,210.5       | (2,043.5, 4,634.0) | 0.007100                 | (0.0045190, 0.0102476) |
| Banten   | Cerebrovascular disease                       | 35  | 7,798.2       | (5,985.7, 10,056.2)  | 0.016175                 | (0.0124155, 0.0208583) | 5,415.8       | (3,981.3, 7,100.7) | 0.011977                 | (0.0088043, 0.0157027) |
| Banten   | Ischemic heart disease                        | 35  | 12,658.3      | (9,839.1, 15,709.0)  | 0.026256                 | (0.0204083, 0.0325834) | 5,342.2       | (3,982.3, 7,002.3) | 0.011814                 | (0.0088066, 0.0154851) |
| Banten   | Other cardiovascular and circulatory diseases | 35  | 2,584.8       | (1,806.1, 3,539.0)   | 0.005361                 | (0.0037462, 0.0073405) | 2,117.7       | (1,456.6, 2,940.0) | 0.004683                 | (0.0032211, 0.0065016) |
| Banten   | Diabetes mellitus                             | 35  | 3,061.0       | (2,176.4, 4,188.5)   | 0.006349                 | (0.0045143, 0.0086877) | 2,787.6       | (1,944.8, 3,841.0) | 0.006165                 | (0.0043009, 0.0084942) |
| Banten   | Chronic kidney disease                        | 35  | 3,025.1       | (2,144.2, 4,086.8)   | 0.006275                 | (0.0044475, 0.0084767) | 1,922.4       | (1,336.4, 2,716.3) | 0.004251                 | (0.0029553, 0.0060068) |
| Banten   | Cirrhosis                                     | 35  | 7,217.6       | (5,246.7, 9,599.4)   | 0.014971                 | (0.0108827, 0.0199109) | 2,939.7       | (2,056.9, 4,079.7) | 0.006501                 | (0.0045486, 0.0090218) |
| Banten   | Chronic respiratory diseases                  | 35  | 2,204.2       | (1,522.5, 3,040.2)   | 0.004572                 | (0.0031579, 0.0063060) | 1,049.2       | (679.0, 1,530.9)   | 0.002320                 | (0.0015016, 0.0033854) |
| Banten   | Other non-communicable diseases               | 35  | 6,333.2       | (4,737.2, 8,340.6)   | 0.013136                 | (0.0098259, 0.0172999) | 4,371.3       | (3,204.8, 5,882.7) | 0.009667                 | (0.0070873, 0.0130092) |
| Banten   | Drowning                                      | 35  | 967.7         | (424.5, 1,846.4)     | 0.002007                 | (0.0008805, 0.0038299) | 301.3         | (129.7, 584.7)     | 0.000666                 | (0.0002868, 0.0012931) |
| Banten   | Falls                                         | 35  | 1,693.3       | (982.1, 2,649.2)     | 0.003512                 | (0.0020371, 0.0054949) | 642.8         | (357.6, 1,066.3)   | 0.001422                 | (0.0007907, 0.0023581) |
| Banten   | Interpersonal violence                        | 35  | 204.9         | (97.4, 371.2)        | 0.000425                 | (0.0002021, 0.0007698) | 91.7          | (43.6, 171.1)      | 0.000203                 | (0.0000963, 0.0003785) |
| Banten   | Self-harm                                     | 35  | 647.0         | (308.6, 1,227.6)     | 0.001342                 | (0.0006402, 0.0025463) | 234.2         | (104.3, 467.6)     | 0.000518                 | (0.0002306, 0.0010341) |
| Banten   | Transport injuries                            | 35  | 7,399.9       | (5,172.6, 9,893.4)   | 0.015349                 | (0.0107289, 0.0205208) | 1,947.1       | (1,253.9, 2,835.9) | 0.004306                 | (0.0027728, 0.0062715) |
| Banten   | Other unintentional injuries                  | 35  | 1,526.7       | (873.6, 2,480.2)     | 0.003167                 | (0.0018120, 0.0051445) | 454.8         | (257.7, 747.1)     | 0.001006                 | (0.0005699, 0.0016522) |
| Banten   | Diarrheal diseases                            | 40  | 1,507.1       | (938.6, 2,305.3)     | 0.003663                 | (0.0022813, 0.0056032) | 1,333.1       | (849.2, 1,934.5)   | 0.003614                 | (0.0023025, 0.0052450) |
| Banten   | HIV/AIDS                                      | 40  | 1,389.8       | (693.7, 2,370.3)     | 0.003378                 | (0.0016861, 0.0057614) | 847.6         | (441.8, 1,403.8)   | 0.002298                 | (0.0011978, 0.0038061) |
| Banten   | Lower respiratory infections                  | 40  | 863.0         | (564.7, 1,302.4)     | 0.002098                 | (0.0013726, 0.0031657) | 498.0         | (315.0, 773.5)     | 0.001350                 | (0.0008540, 0.0020972) |
| Banten   | Malaria                                       | 40  | 181.3         | (35.3, 561.1)        | 0.000441                 | (0.0000858, 0.0013639) | 85.3          | (15.3, 266.1)      | 0.000231                 | (0.0000415, 0.0007215) |
| Banten   | Tuberculosis                                  | 40  | 13,159.1      | (10,074.2, 16,799.2) | 0.031984                 | (0.0244862, 0.0408320) | 5,481.6       | (4,149.5, 7,138.1) | 0.014862                 | (0.0112505, 0.0193533) |
| Banten   | Maternal disorders                            | 40  |               |                      |                          |                        | 436.2         | (234.6, 744.5)     | 0.001183                 | (0.0006361, 0.0020187) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                     |                          |                        |
|----------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Banten   | Other communicable diseases                   | 40  | 4,704.4       | (3,356.3, 6,502.5)   | 0.011435                 | (0.0081577, 0.0158049) | 3,116.0       | (2,173.1, 4,182.0)  | 0.008448                 | (0.0058919, 0.0113385) |
| Banten   | Tracheal, bronchus, and lung cancer           | 40  | 1,035.9       | (470.1, 1,909.1)     | 0.002518                 | (0.0011426, 0.0046402) | 387.4         | (197.7, 717.7)      | 0.001050                 | (0.0005359, 0.0019459) |
| Banten   | Breast cancer                                 | 40  | 89.7          | (22.3, 257.6)        | 0.000218                 | (0.0000541, 0.0006262) | 5,277.3       | (3,575.8, 7,335.6)  | 0.014308                 | (0.0096948, 0.0198889) |
| Banten   | Cervical cancer                               | 40  |               |                      |                          |                        | 1,702.3       | (843.6, 3,096.3)    | 0.004616                 | (0.0022872, 0.0083948) |
| Banten   | Other malignant neoplasms                     | 40  | 7,781.9       | (5,653.7, 10,413.0)  | 0.018915                 | (0.0137419, 0.0253099) | 3,109.7       | (2,025.0, 4,493.7)  | 0.008431                 | (0.0054903, 0.0121836) |
| Banten   | Cerebrovascular disease                       | 40  | 11,546.0      | (8,945.9, 14,868.8)  | 0.028064                 | (0.0217439, 0.0361401) | 7,592.4       | (5,779.6, 9,674.1)  | 0.020585                 | (0.0156701, 0.0262292) |
| Banten   | Ischemic heart disease                        | 40  | 17,820.7      | (13,832.9, 22,402.4) | 0.043315                 | (0.0336221, 0.0544513) | 7,038.5       | (5,387.3, 9,102.9)  | 0.019083                 | (0.0146066, 0.0246805) |
| Banten   | Other cardiovascular and circulatory diseases | 40  | 3,347.8       | (2,419.6, 4,644.2)   | 0.008137                 | (0.0058811, 0.0112881) | 2,531.3       | (1,802.9, 3,406.0)  | 0.006863                 | (0.0048881, 0.0092345) |
| Banten   | Diabetes mellitus                             | 40  | 5,920.0       | (4,368.0, 7,830.4)   | 0.014389                 | (0.0106170, 0.0190325) | 4,851.6       | (3,585.7, 6,272.0)  | 0.013154                 | (0.0097218, 0.0170051) |
| Banten   | Chronic kidney disease                        | 40  | 3,575.0       | (2,552.6, 4,890.0)   | 0.008689                 | (0.0062043, 0.0118857) | 2,030.7       | (1,430.9, 2,811.8)  | 0.005506                 | (0.0038796, 0.0076236) |
| Banten   | Cirrhosis                                     | 40  | 8,295.7       | (6,037.8, 10,974.8)  | 0.020164                 | (0.0146754, 0.0266753) | 3,213.7       | (2,282.9, 4,437.8)  | 0.008713                 | (0.0061895, 0.0120322) |
| Banten   | Chronic respiratory diseases                  | 40  | 2,544.3       | (1,798.7, 3,402.7)   | 0.006184                 | (0.0043720, 0.0082706) | 1,130.1       | (769.1, 1,574.9)    | 0.003064                 | (0.0020852, 0.0042700) |
| Banten   | Other non-communicable diseases               | 40  | 6,357.4       | (4,731.5, 8,426.8)   | 0.015452                 | (0.0115004, 0.0204820) | 4,128.6       | (3,089.7, 5,494.7)  | 0.011194                 | (0.0083771, 0.0148975) |
| Banten   | Drowning                                      | 40  | 463.6         | (188.1, 928.5)       | 0.001127                 | (0.0004573, 0.0022569) | 157.6         | (64.6, 314.4)       | 0.000427                 | (0.0001751, 0.0008525) |
| Banten   | Falls                                         | 40  | 1,342.0       | (784.4, 2,149.5)     | 0.003262                 | (0.0019066, 0.0052246) | 527.8         | (306.1, 863.5)      | 0.001431                 | (0.0008298, 0.0023413) |
| Banten   | Interpersonal violence                        | 40  | 142.1         | (66.4, 259.1)        | 0.000345                 | (0.0001613, 0.0006298) | 57.0          | (26.3, 106.1)       | 0.000155                 | (0.0000714, 0.0002876) |
| Banten   | Self-harm                                     | 40  | 507.2         | (251.0, 946.9)       | 0.001233                 | (0.0006101, 0.0023016) | 160.8         | (77.2, 317.0)       | 0.000436                 | (0.0002092, 0.0008595) |
| Banten   | Transport injuries                            | 40  | 5,349.4       | (3,721.4, 7,261.3)   | 0.013002                 | (0.0090452, 0.0176492) | 1,388.0       | (914.8, 1,940.5)    | 0.003763                 | (0.0024802, 0.0052612) |
| Banten   | Other unintentional injuries                  | 40  | 1,092.3       | (612.8, 1,777.5)     | 0.002655                 | (0.0014896, 0.0043204) | 311.5         | (170.7, 520.1)      | 0.000845                 | (0.0004627, 0.0014102) |
| Banten   | Diarrheal diseases                            | 45  | 1,213.4       | (758.7, 1,833.5)     | 0.003860                 | (0.0024137, 0.0058332) | 1,268.4       | (817.9, 1,873.4)    | 0.004557                 | (0.0029385, 0.0067309) |
| Banten   | HIV/AIDS                                      | 45  | 604.8         | (287.3, 1,086.9)     | 0.001924                 | (0.0009141, 0.0034578) | 439.5         | (216.6, 769.8)      | 0.001579                 | (0.0007782, 0.0027660) |
| Banten   | Lower respiratory infections                  | 45  | 870.0         | (553.9, 1,297.1)     | 0.002768                 | (0.0017621, 0.0041266) | 620.3         | (394.0, 933.9)      | 0.002229                 | (0.0014157, 0.0033556) |
| Banten   | Malaria                                       | 45  | 127.5         | (23.6, 385.5)        | 0.000406                 | (0.0000751, 0.0012264) | 66.6          | (11.6, 212.9)       | 0.000239                 | (0.0000415, 0.0007650) |
| Banten   | Tuberculosis                                  | 45  | 11,916.9      | (9,199.4, 15,191.5)  | 0.037914                 | (0.0292677, 0.0483314) | 5,716.3       | (4,447.8, 7,192.5)  | 0.020539                 | (0.0159807, 0.0258424) |
| Banten   | Maternal disorders                            | 45  |               |                      |                          |                        | 178.9         | (77.3, 348.4)       | 0.000643                 | (0.0002777, 0.0012517) |
| Banten   | Other communicable diseases                   | 45  | 3,260.0       | (2,339.4, 4,435.5)   | 0.010372                 | (0.0074428, 0.0141114) | 2,594.1       | (1,856.9, 3,429.4)  | 0.009321                 | (0.0066718, 0.0123215) |
| Banten   | Tracheal, bronchus, and lung cancer           | 45  | 1,165.2       | (602.0, 1,991.5)     | 0.003707                 | (0.0019152, 0.0063359) | 458.4         | (242.7, 821.2)      | 0.001647                 | (0.0008720, 0.0029505) |
| Banten   | Breast cancer                                 | 45  | 95.7          | (31.5, 241.8)        | 0.000305                 | (0.0001002, 0.0007694) | 4,716.3       | (3,321.7, 6,495.0)  | 0.016945                 | (0.0119346, 0.0233361) |
| Banten   | Cervical cancer                               | 45  |               |                      |                          |                        | 1,376.3       | (711.8, 2,410.5)    | 0.004945                 | (0.0025574, 0.0086608) |
| Banten   | Other malignant neoplasms                     | 45  | 6,159.3       | (4,534.0, 8,290.3)   | 0.019596                 | (0.0144249, 0.0263754) | 2,693.7       | (1,814.5, 3,845.1)  | 0.009679                 | (0.0065193, 0.0138153) |
| Banten   | Cerebrovascular disease                       | 45  | 13,435.7      | (10,588.1, 17,301.0) | 0.042746                 | (0.0336858, 0.0550430) | 9,831.7       | (7,875.0, 12,168.8) | 0.035325                 | (0.0282944, 0.0437220) |
| Banten   | Ischemic heart disease                        | 45  | 18,567.9      | (14,683.9, 23,462.8) | 0.059074                 | (0.0467166, 0.0746465) | 8,133.8       | (6,464.1, 10,189.4) | 0.029225                 | (0.0232252, 0.0366101) |
| Banten   | Other cardiovascular and circulatory diseases | 45  | 3,547.3       | (2,552.9, 4,860.9)   | 0.011286                 | (0.0081222, 0.0154649) | 2,925.2       | (2,173.9, 3,794.8)  | 0.010510                 | (0.0078107, 0.0136347) |
| Banten   | Diabetes mellitus                             | 45  | 7,919.5       | (5,950.1, 10,464.9)  | 0.025196                 | (0.0189303, 0.0332940) | 7,010.4       | (5,305.9, 8,805.0)  | 0.025188                 | (0.0190640, 0.0316360) |
| Banten   | Chronic kidney disease                        | 45  | 3,223.6       | (2,281.5, 4,392.1)   | 0.010256                 | (0.0072585, 0.0139735) | 1,972.0       | (1,420.1, 2,696.2)  | 0.007085                 | (0.0051023, 0.0096875) |
| Banten   | Cirrhosis                                     | 45  | 7,153.0       | (5,275.5, 9,462.1)   | 0.022757                 | (0.0167838, 0.0301035) | 3,118.5       | (2,251.7, 4,207.5)  | 0.011205                 | (0.0080902, 0.0151173) |
| Banten   | Chronic respiratory diseases                  | 45  | 2,863.2       | (2,054.9, 3,854.3)   | 0.009109                 | (0.0065378, 0.0122623) | 1,408.1       | (990.2, 1,930.2)    | 0.005059                 | (0.0035579, 0.0069351) |
| Banten   | Other non-communicable diseases               | 45  | 5,262.3       | (3,936.8, 7,052.1)   | 0.016742                 | (0.0125248, 0.0224360) | 3,786.7       | (2,902.0, 4,938.9)  | 0.013605                 | (0.0104267, 0.0177451) |
| Banten   | Drowning                                      | 45  | 250.6         | (100.0, 491.6)       | 0.000797                 | (0.0003183, 0.0015641) | 105.3         | (42.3, 209.4)       | 0.000379                 | (0.0001520, 0.0007525) |
| Banten   | Falls                                         | 45  | 1,204.6       | (715.8, 1,965.1)     | 0.003832                 | (0.0022772, 0.0062519) | 563.9         | (333.5, 892.1)      | 0.002026                 | (0.0011984, 0.0032051) |
| Banten   | Interpersonal violence                        | 45  | 98.6          | (46.1, 182.7)        | 0.000314                 | (0.0001466, 0.0005814) | 42.2          | (19.7, 78.3)        | 0.000152                 | (0.0000708, 0.0002813) |
| Banten   | Self-harm                                     | 45  | 402.9         | (187.6, 751.3)       | 0.001282                 | (0.0005967, 0.0023902) | 133.8         | (62.7, 260.2)       | 0.000481                 | (0.0002252, 0.0009351) |
| Banten   | Transport injuries                            | 45  | 4,339.9       | (3,064.9, 5,949.0)   | 0.013808                 | (0.0097508, 0.0189265) | 1,294.2       | (868.4, 1,829.2)    | 0.004650                 | (0.0031203, 0.0065723) |
| Banten   | Other unintentional injuries                  | 45  | 825.2         | (457.7, 1,325.1)     | 0.002625                 | (0.0014561, 0.0042159) | 263.7         | (148.1, 438.9)      | 0.000948                 | (0.0005321, 0.0015769) |
| Banten   | Diarrheal diseases                            | 50  | 1,401.6       | (900.4, 2,043.1)     | 0.005871                 | (0.0037716, 0.0085582) | 1,435.1       | (965.6, 2,009.4)    | 0.006903                 | (0.0046444, 0.0096652) |
| Banten   | HIV/AIDS                                      | 50  | 227.7         | (103.0, 425.4)       | 0.000954                 | (0.0004312, 0.0017817) | 168.8         | (73.3, 320.0)       | 0.000812                 | (0.0003526, 0.0015390) |
| Banten   | Lower respiratory infections                  | 50  | 1,013.4       | (643.9, 1,500.7)     | 0.004245                 | (0.0026972, 0.0062859) | 742.6         | (478.5, 1,081.4)    | 0.003572                 | (0.0023018, 0.0052014) |
| Banten   | Malaria                                       | 50  | 109.5         | (21.0, 331.3)        | 0.000459                 | (0.0000881, 0.0013877) | 54.3          | (9.8, 180.0)        | 0.000261                 | (0.0000471, 0.0008657) |
| Banten   | Tuberculosis                                  | 50  | 11,542.4      | (9,043.6, 14,722.6)  | 0.048348                 | (0.0378815, 0.0616693) | 5,445.7       | (4,233.3, 6,797.0)  | 0.026194                 | (0.0203619, 0.0326936) |
| Banten   | Maternal disorders                            | 50  |               |                      |                          |                        | 54.8          | (17.1, 136.9)       | 0.000263                 | (0.0000825, 0.0006586) |
| Banten   | Other communicable diseases                   | 50  | 2,890.2       | (2,056.9, 3,940.6)   | 0.012106                 | (0.0086157, 0.0165063) | 2,280.7       | (1,627.4, 2,987.9)  | 0.010970                 | (0.0078278, 0.0143715) |
| Banten   | Tracheal, bronchus, and lung cancer           | 50  | 1,589.3       | (896.2, 2,601.9)     | 0.006657                 | (0.0037540, 0.0108987) | 454.2         | (242.4, 803.5)      | 0.002185                 | (0.0011659, 0.0038646) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                      |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Banten   | Breast cancer                                 | 50  | 80.3 (33.5, 170.9)            | 0.000336 (0.0001404, 0.0007160) | 3,424.6 (2,328.9, 4,714.2)   | 0.016472 (0.0112020, 0.0226750) |
| Banten   | Cervical cancer                               | 50  |                               |                                 | 1,139.9 (563.7, 1,998.0)     | 0.005483 (0.0027114, 0.0096101) |
| Banten   | Other malignant neoplasms                     | 50  | 4,576.1 (3,309.4, 6,193.3)    | 0.019168 (0.0138623, 0.0259424) | 2,270.0 (1,531.9, 3,261.7)   | 0.010919 (0.0073686, 0.0156886) |
| Banten   | Cerebrovascular disease                       | 50  | 15,902.5 (12,645.7, 20,407.8) | 0.066611 (0.0529696, 0.0854831) | 11,458.4 (9,171.9, 14,096.9) | 0.055115 (0.0441164, 0.0678056) |
| Banten   | Ischemic heart disease                        | 50  | 19,718.3 (15,728.1, 25,005.7) | 0.082595 (0.0658811, 0.1047424) | 8,318.8 (6,579.9, 10,331.6)  | 0.040013 (0.0316493, 0.0496947) |
| Banten   | Other cardiovascular and circulatory diseases | 50  | 4,054.0 (2,919.7, 5,477.2)    | 0.016981 (0.0122301, 0.0229426) | 3,304.4 (2,482.6, 4,292.0)   | 0.015894 (0.0119413, 0.0206442) |
| Banten   | Diabetes mellitus                             | 50  | 9,178.6 (6,959.6, 12,126.7)   | 0.038447 (0.0291520, 0.0507956) | 7,966.8 (6,099.2, 9,962.9)   | 0.038320 (0.0293371, 0.0479212) |
| Banten   | Chronic kidney disease                        | 50  | 2,942.6 (2,074.7, 3,984.0)    | 0.012326 (0.0086905, 0.0166881) | 1,760.2 (1,258.4, 2,382.1)   | 0.008467 (0.0060529, 0.0114580) |
| Banten   | Cirrhosis                                     | 50  | 6,617.7 (4,852.9, 8,799.1)    | 0.027720 (0.0203274, 0.0368570) | 2,893.0 (2,094.4, 3,861.0)   | 0.013915 (0.0100740, 0.0185714) |
| Banten   | Chronic respiratory diseases                  | 50  | 3,338.3 (2,408.3, 4,518.0)    | 0.013983 (0.0100878, 0.0189248) | 1,708.4 (1,226.3, 2,315.4)   | 0.008218 (0.0058985, 0.0111369) |
| Banten   | Other non-communicable diseases               | 50  | 4,859.5 (3,703.7, 6,496.3)    | 0.020355 (0.0155141, 0.0272113) | 3,463.5 (2,626.6, 4,465.2)   | 0.016660 (0.0126340, 0.0214773) |
| Banten   | Drowning                                      | 50  | 157.9 (65.7, 330.9)           | 0.000662 (0.0002752, 0.0013859) | 66.9 (26.8, 134.8)           | 0.000322 (0.0001287, 0.0006485) |
| Banten   | Falls                                         | 50  | 1,177.4 (714.3, 1,877.3)      | 0.004932 (0.0029920, 0.0078636) | 540.8 (340.9, 831.6)         | 0.002601 (0.0016397, 0.0039988) |
| Banten   | Interpersonal violence                        | 50  | 64.2 (30.0, 118.3)            | 0.000269 (0.0001256, 0.0004954) | 25.5 (12.0, 49.1)            | 0.000123 (0.0000578, 0.0002362) |
| Banten   | Self-harm                                     | 50  | 290.8 (142.5, 542.8)          | 0.001218 (0.0005970, 0.0022738) | 88.5 (42.2, 177.2)           | 0.000426 (0.0002029, 0.0008522) |
| Banten   | Transport injuries                            | 50  | 2,911.9 (2,033.5, 4,076.3)    | 0.012197 (0.0085180, 0.0170748) | 832.6 (542.2, 1,176.9)       | 0.004005 (0.0026081, 0.0056607) |
| Banten   | Other unintentional injuries                  | 50  | 571.1 (313.8, 940.8)          | 0.002392 (0.0013143, 0.0039409) | 173.1 (95.4, 288.5)          | 0.000833 (0.0004587, 0.0013876) |
| Banten   | Diarrheal diseases                            | 55  | 1,239.9 (811.3, 1,819.3)      | 0.007877 (0.0051540, 0.0115572) | 1,221.1 (833.7, 1,709.6)     | 0.009342 (0.0063785, 0.0130793) |
| Banten   | HIV/AIDS                                      | 55  | 79.4 (30.0, 165.9)            | 0.000505 (0.0001907, 0.0010539) | 57.4 (22.4, 122.4)           | 0.000439 (0.0001712, 0.0009367) |
| Banten   | Lower respiratory infections                  | 55  | 873.3 (568.5, 1,326.6)        | 0.005548 (0.0036115, 0.0084276) | 637.7 (426.5, 939.7)         | 0.004879 (0.0032632, 0.0071896) |
| Banten   | Malaria                                       | 55  | 86.4 (17.5, 256.1)            | 0.000549 (0.0001111, 0.0016268) | 40.2 (7.4, 127.8)            | 0.000308 (0.0000568, 0.0009775) |
| Banten   | Tuberculosis                                  | 55  | 8,377.6 (6,527.2, 10,754.1)   | 0.053219 (0.0414644, 0.0683163) | 3,833.1 (2,995.4, 4,827.7)   | 0.029325 (0.0229167, 0.0369345) |
| Banten   | Other communicable diseases                   | 55  | 2,249.8 (1,613.3, 3,074.9)    | 0.014292 (0.0102487, 0.0195335) | 1,722.4 (1,236.5, 2,276.0)   | 0.013177 (0.0094598, 0.0174126) |
| Banten   | Tracheal, bronchus, and lung cancer           | 55  | 1,501.4 (860.6, 2,384.4)      | 0.009538 (0.0054667, 0.0151471) | 316.2 (173.6, 556.1)         | 0.002419 (0.0013281, 0.0042548) |
| Banten   | Breast cancer                                 | 55  | 60.9 (27.9, 121.3)            | 0.000387 (0.0001770, 0.0007706) | 1,971.8 (1,317.6, 2,852.5)   | 0.015086 (0.0100807, 0.0218229) |
| Banten   | Cervical cancer                               | 55  |                               |                                 | 754.9 (373.5, 1,285.1)       | 0.005776 (0.0028575, 0.0098316) |
| Banten   | Other malignant neoplasms                     | 55  | 2,900.6 (2,103.8, 4,000.5)    | 0.018426 (0.0133648, 0.0254138) | 1,488.0 (1,016.8, 2,121.6)   | 0.011384 (0.0077790, 0.0162315) |
| Banten   | Cerebrovascular disease                       | 55  | 15,107.1 (12,115.9, 19,249.1) | 0.095969 (0.0769672, 0.1222817) | 10,786.3 (8,689.9, 13,105.0) | 0.082521 (0.0664821, 0.1002597) |
| Banten   | Ischemic heart disease                        | 55  | 17,690.4 (14,228.1, 22,312.3) | 0.112380 (0.0903855, 0.1417406) | 7,531.2 (6,043.3, 9,202.1)   | 0.057617 (0.0462345, 0.0704009) |
| Banten   | Other cardiovascular and circulatory diseases | 55  | 3,733.3 (2,709.5, 5,041.3)    | 0.023716 (0.0172126, 0.0320251) | 2,971.1 (2,269.7, 3,833.2)   | 0.022730 (0.0173641, 0.0293258) |
| Banten   | Diabetes mellitus                             | 55  | 7,908.4 (5,969.2, 10,259.7)   | 0.050239 (0.0379199, 0.0651759) | 6,754.9 (5,316.1, 8,325.9)   | 0.051679 (0.0406706, 0.0636972) |
| Banten   | Chronic kidney disease                        | 55  | 2,299.1 (1,630.1, 3,106.8)    | 0.014605 (0.0103554, 0.0197363) | 1,347.1 (960.0, 1,806.8)     | 0.010306 (0.0073443, 0.0138231) |
| Banten   | Cirrhosis                                     | 55  | 4,886.0 (3,600.7, 6,607.7)    | 0.031039 (0.0228739, 0.0419761) | 2,126.7 (1,572.9, 2,849.3)   | 0.016270 (0.0120332, 0.0217983) |
| Banten   | Chronic respiratory diseases                  | 55  | 3,034.8 (2,201.1, 4,117.0)    | 0.019279 (0.0139825, 0.0261538) | 1,525.4 (1,126.1, 2,055.5)   | 0.011670 (0.0086151, 0.0157254) |
| Banten   | Other non-communicable diseases               | 55  | 4,102.6 (3,121.6, 5,432.7)    | 0.026062 (0.0198305, 0.0345116) | 2,887.0 (2,205.3, 3,764.9)   | 0.022087 (0.0168715, 0.0288035) |
| Banten   | Drowning                                      | 55  | 93.3 (36.6, 209.5)            | 0.000593 (0.0002324, 0.0013307) | 38.5 (14.3, 85.9)            | 0.000295 (0.0001093, 0.0006572) |
| Banten   | Falls                                         | 55  | 1,002.2 (624.7, 1,526.2)      | 0.006367 (0.0039685, 0.0096953) | 443.3 (282.5, 660.0)         | 0.003392 (0.0021612, 0.0050494) |
| Banten   | Interpersonal violence                        | 55  | 38.4 (16.9, 70.9)             | 0.000244 (0.0001073, 0.0004502) | 14.0 (6.4, 26.2)             | 0.000107 (0.0000487, 0.0002003) |
| Banten   | Self-harm                                     | 55  | 197.4 (94.0, 364.4)           | 0.001254 (0.0005973, 0.0023150) | 55.0 (25.3, 108.3)           | 0.000420 (0.0001937, 0.0008283) |
| Banten   | Transport injuries                            | 55  | 1,523.7 (1,012.9, 2,174.8)    | 0.009679 (0.0064342, 0.0138155) | 412.3 (264.1, 601.7)         | 0.003154 (0.0020207, 0.0046036) |
| Banten   | Other unintentional injuries                  | 55  | 361.0 (191.1, 605.5)          | 0.002293 (0.0012137, 0.0038467) | 102.8 (55.3, 170.6)          | 0.000787 (0.0004231, 0.0013054) |
| Banten   | Diarrheal diseases                            | 60  | 1,252.8 (831.8, 1,791.3)      | 0.012382 (0.0082207, 0.0177048) | 1,390.5 (977.2, 1,905.5)     | 0.013819 (0.0097123, 0.0189385) |
| Banten   | HIV/AIDS                                      | 60  | 48.3 (15.9, 102.9)            | 0.000478 (0.0001568, 0.0010167) | 39.6 (13.5, 81.7)            | 0.000394 (0.0001342, 0.0008117) |
| Banten   | Lower respiratory infections                  | 60  | 1,088.9 (732.2, 1,592.6)      | 0.010762 (0.0072367, 0.0157407) | 958.2 (672.5, 1,364.1)       | 0.009524 (0.0066837, 0.0135573) |
| Banten   | Malaria                                       | 60  | 74.0 (15.0, 216.1)            | 0.000731 (0.0001479, 0.0021358) | 36.6 (6.7, 116.4)            | 0.000364 (0.0000669, 0.0011570) |
| Banten   | Tuberculosis                                  | 60  | 8,142.3 (6,500.2, 10,352.0)   | 0.080476 (0.0642454, 0.1023149) | 4,228.2 (3,374.8, 5,146.8)   | 0.042023 (0.0335414, 0.0511527) |
| Banten   | Other communicable diseases                   | 60  | 1,682.2 (1,184.6, 2,333.0)    | 0.016626 (0.0117082, 0.0230583) | 1,480.8 (1,066.6, 1,944.2)   | 0.014717 (0.0106006, 0.0193228) |
| Banten   | Tracheal, bronchus, and lung cancer           | 60  | 1,400.9 (812.1, 2,214.7)      | 0.013846 (0.0080261, 0.0218893) | 276.9 (154.2, 465.2)         | 0.002752 (0.0015327, 0.0046237) |
| Banten   | Breast cancer                                 | 60  | 45.3 (19.7, 88.3)             | 0.000448 (0.0001951, 0.0008724) | 1,212.9 (817.6, 1,769.0)     | 0.012055 (0.0081262, 0.0175815) |
| Banten   | Cervical cancer                               | 60  |                               |                                 | 690.9 (341.5, 1,135.4)       | 0.006866 (0.0033942, 0.0112846) |
| Banten   | Other malignant neoplasms                     | 60  | 2,234.6 (1,665.5, 3,004.7)    | 0.022086 (0.0164610, 0.0296977) | 1,324.2 (900.8, 1,860.7)     | 0.013161 (0.0089531, 0.0184933) |
| Banten   | Cerebrovascular disease                       | 60  | 14,582.4 (11,794.0, 18,334.5) | 0.144127 (0.1165670, 0.1812114) | 11,908.1 (9,908.5, 14,184.0) | 0.118351 (0.0984781, 0.1409703) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                         |                                 | Females                      |                                 |
|----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Banten   | Ischemic heart disease                        | 60  | 14,898.4 (12,106.8, 18,581.8) | 0.147250 (0.1196585, 0.1836552) | 7,526.8 (6,138.7, 9,097.1)   | 0.074807 (0.0610111, 0.0904131) |
| Banten   | Other cardiovascular and circulatory diseases | 60  | 3,545.5 (2,577.1, 4,778.0)    | 0.035042 (0.0254712, 0.0472236) | 3,057.8 (2,394.2, 3,904.8)   | 0.030391 (0.0237955, 0.0388091) |
| Banten   | Diabetes mellitus                             | 60  | 5,990.5 (4,644.2, 7,826.6)    | 0.059208 (0.0459019, 0.0773548) | 5,790.3 (4,614.3, 7,121.0)   | 0.057549 (0.0458601, 0.0707740) |
| Banten   | Chronic kidney disease                        | 60  | 1,752.2 (1,243.3, 2,353.2)    | 0.017318 (0.0122881, 0.0232585) | 1,136.1 (815.5, 1,530.7)     | 0.011292 (0.0081048, 0.0152129) |
| Banten   | Cirrhosis                                     | 60  | 3,723.8 (2,723.7, 4,916.2)    | 0.036805 (0.0269197, 0.0485895) | 1,882.3 (1,405.3, 2,506.1)   | 0.018708 (0.0139669, 0.0249075) |
| Banten   | Chronic respiratory diseases                  | 60  | 3,783.8 (2,843.9, 4,902.9)    | 0.037397 (0.0281080, 0.0484584) | 2,010.2 (1,534.6, 2,598.2)   | 0.019979 (0.0152519, 0.0258224) |
| Banten   | Other non-communicable diseases               | 60  | 4,021.0 (3,109.3, 5,262.6)    | 0.039742 (0.0307309, 0.0520131) | 3,161.7 (2,526.0, 4,013.1)   | 0.031424 (0.0251054, 0.0398850) |
| Banten   | Drowning                                      | 60  | 68.0 (25.3, 147.6)            | 0.000672 (0.0002498, 0.0014590) | 35.4 (11.8, 81.5)            | 0.000352 (0.0001176, 0.0008099) |
| Banten   | Falls                                         | 60  | 778.8 (482.6, 1,167.7)        | 0.007697 (0.0047695, 0.0115411) | 412.3 (266.3, 608.5)         | 0.004097 (0.0026468, 0.0060482) |
| Banten   | Interpersonal violence                        | 60  | 20.9 (9.1, 37.9)              | 0.000207 (0.0000898, 0.0003748) | 8.2 (3.4, 16.7)              | 0.000082 (0.0000339, 0.0001659) |
| Banten   | Self-harm                                     | 60  | 119.5 (55.6, 219.6)           | 0.001182 (0.0005491, 0.0021705) | 34.9 (15.5, 70.8)            | 0.000347 (0.0001537, 0.0007040) |
| Banten   | Transport injuries                            | 60  | 1,128.3 (747.8, 1,620.1)      | 0.011152 (0.0073905, 0.0160129) | 354.4 (225.3, 532.8)         | 0.003522 (0.0022397, 0.0052952) |
| Banten   | Other unintentional injuries                  | 60  | 247.7 (127.3, 417.2)          | 0.002448 (0.0012580, 0.0041235) | 79.4 (41.9, 141.2)           | 0.000789 (0.0004161, 0.0014029) |
| Banten   | Diarrheal diseases                            | 65  | 1,609.0 (1,109.2, 2,190.3)    | 0.024139 (0.0166396, 0.0328588) | 1,862.6 (1,391.9, 2,397.1)   | 0.026891 (0.0200950, 0.0346072) |
| Banten   | HIV/AIDS                                      | 65  | 36.1 (13.7, 76.3)             | 0.000542 (0.0002055, 0.0011451) | 31.3 (11.1, 64.1)            | 0.000452 (0.0001607, 0.0009261) |
| Banten   | Lower respiratory infections                  | 65  | 1,035.9 (699.9, 1,529.5)      | 0.015540 (0.0104995, 0.0229458) | 968.3 (688.0, 1,342.2)       | 0.013980 (0.0099330, 0.0193781) |
| Banten   | Malaria                                       | 65  | 55.2 (11.3, 160.6)            | 0.000828 (0.0001695, 0.0024089) | 28.0 (5.3, 84.7)             | 0.000405 (0.0000760, 0.0012232) |
| Banten   | Tuberculosis                                  | 65  | 6,494.6 (5,167.9, 8,154.5)    | 0.097431 (0.0775276, 0.1223331) | 3,525.8 (2,847.6, 4,308.3)   | 0.050903 (0.0411118, 0.0621995) |
| Banten   | Other communicable diseases                   | 65  | 1,295.0 (894.4, 1,773.2)      | 0.019427 (0.0134172, 0.0266014) | 1,199.9 (834.4, 1,614.2)     | 0.017324 (0.0120468, 0.0233051) |
| Banten   | Tracheal, bronchus, and lung cancer           | 65  | 888.9 (488.2, 1,454.2)        | 0.013335 (0.0073241, 0.0218150) | 183.1 (100.1, 319.8)         | 0.002643 (0.0014458, 0.0046169) |
| Banten   | Breast cancer                                 | 65  | 26.4 (9.6, 58.6)              | 0.000396 (0.0001439, 0.0008790) | 690.9 (446.3, 1,034.3)       | 0.009975 (0.0064433, 0.0149322) |
| Banten   | Cervical cancer                               | 65  |                               |                                 | 406.7 (203.5, 689.1)         | 0.005871 (0.0029374, 0.0099486) |
| Banten   | Other malignant neoplasms                     | 65  | 1,327.0 (977.6, 1,816.8)      | 0.019907 (0.0146654, 0.0272548) | 1,046.1 (715.2, 1,441.1)     | 0.015102 (0.0103253, 0.0208055) |
| Banten   | Cerebrovascular disease                       | 65  | 12,133.1 (9,861.5, 14,997.1)  | 0.182019 (0.1479405, 0.2249849) | 10,877.7 (9,127.1, 12,807.2) | 0.157043 (0.1317687, 0.1848999) |
| Banten   | Ischemic heart disease                        | 65  | 11,401.7 (9,316.8, 14,063.3)  | 0.171046 (0.1397695, 0.2109752) | 6,278.0 (5,133.5, 7,539.5)   | 0.090636 (0.0741134, 0.1088482) |
| Banten   | Other cardiovascular and circulatory diseases | 65  | 3,056.1 (2,276.8, 4,055.7)    | 0.045848 (0.0341565, 0.0608438) | 2,886.5 (2,276.8, 3,662.8)   | 0.041672 (0.0328704, 0.0528810) |
| Banten   | Diabetes mellitus                             | 65  | 3,732.6 (2,851.8, 4,863.6)    | 0.055997 (0.0427830, 0.0729630) | 4,016.3 (3,174.3, 4,944.1)   | 0.057983 (0.0458280, 0.0713791) |
| Banten   | Chronic kidney disease                        | 65  | 1,251.1 (887.8, 1,687.5)      | 0.018769 (0.0133184, 0.0253150) | 892.5 (639.0, 1,198.9)       | 0.012885 (0.0092257, 0.0173086) |
| Banten   | Cirrhosis                                     | 65  | 2,333.6 (1,704.4, 3,097.9)    | 0.035008 (0.0255686, 0.0464740) | 1,310.6 (988.0, 1,745.3)     | 0.018922 (0.0142644, 0.0251976) |
| Banten   | Chronic respiratory diseases                  | 65  | 3,350.3 (2,545.7, 4,385.5)    | 0.050260 (0.0381904, 0.0657912) | 1,939.0 (1,493.5, 2,491.3)   | 0.027993 (0.0215620, 0.0359674) |
| Banten   | Other non-communicable diseases               | 65  | 3,570.2 (2,752.8, 4,557.9)    | 0.053560 (0.0412975, 0.0683768) | 3,081.7 (2,470.1, 3,852.8)   | 0.044490 (0.0356608, 0.0556239) |
| Banten   | Drowning                                      | 65  | 45.6 (15.2, 104.2)            | 0.000684 (0.0002287, 0.0015639) | 25.8 (8.3, 61.5)             | 0.000373 (0.0001193, 0.0008877) |
| Banten   | Falls                                         | 65  | 642.8 (408.2, 965.9)          | 0.009644 (0.0061239, 0.0144906) | 365.6 (242.7, 526.9)         | 0.005279 (0.0035042, 0.0076075) |
| Banten   | Interpersonal violence                        | 65  | 11.6 (4.8, 23.3)              | 0.000174 (0.0000713, 0.0003493) | 4.8 (1.8, 10.6)              | 0.000069 (0.0000263, 0.0001535) |
| Banten   | Self-harm                                     | 65  | 74.6 (32.8, 140.8)            | 0.001119 (0.0004920, 0.0021118) | 22.6 (9.8, 47.2)             | 0.000327 (0.0001410, 0.0006813) |
| Banten   | Transport injuries                            | 65  | 720.3 (456.2, 1,047.0)        | 0.010806 (0.0068439, 0.0157063) | 241.2 (144.2, 363.1)         | 0.003482 (0.0020815, 0.0052427) |
| Banten   | Other unintentional injuries                  | 65  | 168.5 (91.0, 283.2)           | 0.002528 (0.0013650, 0.0042490) | 57.1 (29.5, 100.1)           | 0.000824 (0.0004255, 0.0014457) |
| Banten   | Diarrheal diseases                            | 70  | 1,766.6 (1,272.2, 2,338.9)    | 0.042384 (0.0305209, 0.0561140) | 2,264.8 (1,761.7, 2,877.4)   | 0.043034 (0.0334747, 0.0546759) |
| Banten   | HIV/AIDS                                      | 70  | 38.4 (14.9, 85.5)             | 0.000921 (0.0003572, 0.0020518) | 38.6 (14.6, 87.1)            | 0.000734 (0.0002768, 0.0016552) |
| Banten   | Lower respiratory infections                  | 70  | 1,083.6 (734.5, 1,535.4)      | 0.025996 (0.0176219, 0.0368357) | 1,132.1 (828.9, 1,529.3)     | 0.021512 (0.0157512, 0.0290594) |
| Banten   | Malaria                                       | 70  | 37.9 (7.4, 112.9)             | 0.000910 (0.0001768, 0.0027079) | 23.7 (4.5, 73.6)             | 0.000451 (0.0000859, 0.0013981) |
| Banten   | Tuberculosis                                  | 70  | 5,244.3 (4,147.6, 6,603.5)    | 0.125816 (0.0995052, 0.1584241) | 3,583.1 (2,897.7, 4,310.5)   | 0.068086 (0.0550612, 0.0819074) |
| Banten   | Other communicable diseases                   | 70  | 1,069.6 (742.6, 1,479.2)      | 0.025661 (0.0178150, 0.0354885) | 1,065.2 (751.0, 1,475.6)     | 0.020240 (0.0142704, 0.0280387) |
| Banten   | Tracheal, bronchus, and lung cancer           | 70  | 601.2 (330.3, 972.7)          | 0.014423 (0.0079246, 0.0233366) | 149.7 (83.3, 255.7)          | 0.002845 (0.0015827, 0.0048582) |
| Banten   | Breast cancer                                 | 70  | 14.0 (4.3, 33.9)              | 0.000335 (0.0001038, 0.0008144) | 435.2 (274.7, 671.4)         | 0.008269 (0.0052194, 0.0127578) |
| Banten   | Cervical cancer                               | 70  |                               |                                 | 221.6 (111.0, 387.5)         | 0.004210 (0.0021087, 0.0073622) |
| Banten   | Other malignant neoplasms                     | 70  | 764.7 (563.1, 1,039.8)        | 0.018347 (0.0135096, 0.0249449) | 837.7 (601.8, 1,137.4)       | 0.015919 (0.0114342, 0.0216129) |
| Banten   | Cerebrovascular disease                       | 70  | 9,736.3 (7,850.7, 11,876.3)   | 0.233584 (0.1883471, 0.2849260) | 10,706.6 (9,209.7, 12,499.8) | 0.203443 (0.1749999, 0.2375169) |
| Banten   | Ischemic heart disease                        | 70  | 8,568.4 (6,954.4, 10,400.6)   | 0.205566 (0.1668442, 0.2495214) | 6,195.4 (5,209.4, 7,309.0)   | 0.117722 (0.0989869, 0.1388823) |
| Banten   | Other cardiovascular and circulatory diseases | 70  | 2,589.9 (1,945.2, 3,423.8)    | 0.062135 (0.0466668, 0.0821399) | 3,041.9 (2,408.4, 3,782.4)   | 0.057801 (0.0457640, 0.0718725) |
| Banten   | Diabetes mellitus                             | 70  | 2,141.8 (1,618.0, 2,761.7)    | 0.051384 (0.0388171, 0.0662556) | 2,965.9 (2,391.4, 3,620.7)   | 0.056357 (0.0454404, 0.0687985) |
| Banten   | Chronic kidney disease                        | 70  | 830.8 (590.8, 1,109.6)        | 0.019932 (0.0141742, 0.0266195) | 775.9 (565.8, 1,019.6)       | 0.014743 (0.0107510, 0.0193739) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Banten   | Cirrhosis                                     | 70  | 1,537.1 (1,101.3, 2,030.9) | 0.036877 (0.0264209, 0.0487237) | 1,040.8 (792.2, 1,384.7)   | 0.019776 (0.0150533, 0.0263120) |
| Banten   | Chronic respiratory diseases                  | 70  | 3,295.9 (2,523.7, 4,192.5) | 0.079072 (0.0605455, 0.1005823) | 2,334.2 (1,854.7, 2,923.1) | 0.044353 (0.0352421, 0.0555434) |
| Banten   | Other non-communicable diseases               | 70  | 3,077.0 (2,385.5, 3,924.6) | 0.073820 (0.0572298, 0.0941564) | 3,278.4 (2,658.1, 4,029.3) | 0.062294 (0.0505086, 0.0765635) |
| Banten   | Drowning                                      | 70  | 57.6 (23.3, 119.3)         | 0.001383 (0.0005592, 0.0028610) | 32.6 (13.1, 66.1)          | 0.000620 (0.0002483, 0.0012560) |
| Banten   | Falls                                         | 70  | 535.8 (344.4, 765.2)       | 0.012855 (0.0082619, 0.0183579) | 328.2 (216.9, 454.2)       | 0.006237 (0.0041214, 0.0086299) |
| Banten   | Interpersonal violence                        | 70  | 6.0 (2.1, 12.5)            | 0.000143 (0.0000514, 0.0002997) | 3.2 (1.1, 7.1)             | 0.000060 (0.0000209, 0.0001357) |
| Banten   | Self-harm                                     | 70  | 44.9 (19.5, 85.4)          | 0.001077 (0.0004668, 0.0020482) | 18.2 (7.8, 36.4)           | 0.000346 (0.0001474, 0.0006916) |
| Banten   | Transport injuries                            | 70  | 508.1 (322.5, 743.8)       | 0.012190 (0.0077376, 0.0178437) | 192.1 (115.7, 288.7)       | 0.003651 (0.0021985, 0.0054864) |
| Banten   | Other unintentional injuries                  | 70  | 120.1 (63.6, 198.7)        | 0.002881 (0.0015266, 0.0047675) | 48.5 (25.3, 86.9)          | 0.000922 (0.0004801, 0.0016511) |
| Banten   | Diarrheal diseases                            | 75  | 1,069.5 (775.7, 1,420.1)   | 0.054714 (0.0396867, 0.0726514) | 1,600.2 (1,262.3, 2,007.4) | 0.061263 (0.0483251, 0.0768509) |
| Banten   | HIV/AIDS                                      | 75  | 15.9 (5.6, 35.0)           | 0.000814 (0.0002874, 0.0017892) | 18.2 (7.0, 39.0)           | 0.000698 (0.0002691, 0.0014937) |
| Banten   | Lower respiratory infections                  | 75  | 588.8 (403.2, 837.0)       | 0.030123 (0.0206263, 0.0428183) | 718.6 (535.1, 958.4)       | 0.027511 (0.0204853, 0.0366910) |
| Banten   | Malaria                                       | 75  | 20.6 (4.0, 60.9)           | 0.001056 (0.0002037, 0.0031172) | 14.4 (2.5, 43.2)           | 0.000552 (0.0000944, 0.0016531) |
| Banten   | Tuberculosis                                  | 75  | 2,450.4 (1,886.1, 3,138.3) | 0.125359 (0.0964934, 0.1605568) | 1,858.1 (1,474.1, 2,265.2) | 0.071135 (0.0564366, 0.0867233) |
| Banten   | Other communicable diseases                   | 75  | 513.9 (344.3, 720.8)       | 0.026291 (0.0176153, 0.0368736) | 606.7 (434.2, 825.9)       | 0.023228 (0.0166220, 0.0316200) |
| Banten   | Tracheal, bronchus, and lung cancer           | 75  | 239.0 (122.4, 405.4)       | 0.012228 (0.0062642, 0.0207380) | 68.3 (37.3, 118.3)         | 0.002617 (0.0014272, 0.0045290) |
| Banten   | Breast cancer                                 | 75  | 4.9 (1.3, 12.8)            | 0.000250 (0.0000669, 0.0006573) | 172.5 (101.9, 272.0)       | 0.006604 (0.0039024, 0.0104132) |
| Banten   | Cervical cancer                               | 75  |                            |                                 | 82.9 (39.4, 160.3)         | 0.003175 (0.0015097, 0.0061359) |
| Banten   | Other malignant neoplasms                     | 75  | 302.1 (216.1, 411.1)       | 0.015458 (0.0110539, 0.0210308) | 436.6 (318.6, 585.8)       | 0.016714 (0.0121988, 0.0224287) |
| Banten   | Cerebrovascular disease                       | 75  | 4,962.5 (3,974.7, 6,129.8) | 0.253880 (0.2033455, 0.3135991) | 6,494.3 (5,628.1, 7,524.0) | 0.248631 (0.2154697, 0.2880509) |
| Banten   | Ischemic heart disease                        | 75  | 4,780.7 (3,766.9, 5,870.7) | 0.244580 (0.1927134, 0.3003456) | 4,056.6 (3,440.0, 4,755.7) | 0.155305 (0.1317000, 0.1820688) |
| Banten   | Other cardiovascular and circulatory diseases | 75  | 1,376.4 (1,005.9, 1,826.1) | 0.070416 (0.0514607, 0.0934212) | 1,898.9 (1,495.2, 2,363.3) | 0.072698 (0.0572422, 0.0904772) |
| Banten   | Diabetes mellitus                             | 75  | 932.6 (689.3, 1,206.4)     | 0.047714 (0.0352662, 0.0617191) | 1,514.6 (1,221.5, 1,859.4) | 0.057986 (0.0467627, 0.0711873) |
| Banten   | Chronic kidney disease                        | 75  | 390.0 (272.3, 522.9)       | 0.019952 (0.0139290, 0.0267511) | 420.8 (311.4, 553.0)       | 0.016108 (0.0119232, 0.0211708) |
| Banten   | Cirrhosis                                     | 75  | 683.2 (480.2, 920.7)       | 0.034954 (0.0245661, 0.0471049) | 551.6 (416.0, 734.0)       | 0.021118 (0.0159282, 0.0280993) |
| Banten   | Chronic respiratory diseases                  | 75  | 1,738.3 (1,315.5, 2,245.1) | 0.088930 (0.0673014, 0.1148582) | 1,414.2 (1,108.7, 1,751.0) | 0.054142 (0.0424476, 0.0670358) |
| Banten   | Other non-communicable diseases               | 75  | 1,812.3 (1,396.0, 2,295.5) | 0.092717 (0.0714188, 0.1174376) | 2,281.5 (1,878.3, 2,801.3) | 0.087347 (0.0719085, 0.1072446) |
| Banten   | Drowning                                      | 75  | 36.8 (14.8, 77.0)          | 0.001883 (0.0007556, 0.0039370) | 24.8 (10.2, 50.3)          | 0.000950 (0.0003922, 0.0019257) |
| Banten   | Falls                                         | 75  | 302.5 (194.9, 441.7)       | 0.015476 (0.0099710, 0.0225970) | 216.4 (151.0, 306.2)       | 0.008283 (0.0057802, 0.0117227) |
| Banten   | Interpersonal violence                        | 75  | 2.3 (0.7, 6.0)             | 0.000119 (0.0000346, 0.0003078) | 1.3 (0.4, 3.4)             | 0.000051 (0.0000159, 0.0001293) |
| Banten   | Self-harm                                     | 75  | 21.6 (8.8, 42.7)           | 0.001105 (0.0004506, 0.0021852) | 9.3 (3.8, 18.9)            | 0.000357 (0.0001438, 0.0007245) |
| Banten   | Transport injuries                            | 75  | 181.9 (104.3, 293.0)       | 0.009308 (0.0053365, 0.0149898) | 78.4 (43.6, 126.1)         | 0.003002 (0.0016701, 0.0048267) |
| Banten   | Other unintentional injuries                  | 75  | 56.5 (28.8, 97.4)          | 0.002890 (0.0014721, 0.0049818) | 25.5 (12.9, 46.0)          | 0.000976 (0.0004953, 0.0017599) |
| Banten   | Diarrheal diseases                            | 80  | 1,844.1 (1,465.0, 2,251.0) | 0.128580 (0.1021481, 0.1569497) | 3,343.9 (2,782.1, 3,995.7) | 0.152816 (0.1271394, 0.1826019) |
| Banten   | HIV/AIDS                                      | 80  | 17.6 (4.6, 45.2)           | 0.001230 (0.0003240, 0.0031542) | 25.1 (6.8, 66.2)           | 0.001149 (0.0003119, 0.0030265) |
| Banten   | Lower respiratory infections                  | 80  | 731.9 (518.2, 1,023.7)     | 0.051033 (0.0361323, 0.0713779) | 1,149.5 (850.9, 1,546.2)   | 0.052531 (0.0388863, 0.0706602) |
| Banten   | Malaria                                       | 80  | 22.7 (3.8, 67.7)           | 0.001586 (0.0002662, 0.0047236) | 19.3 (3.3, 61.8)           | 0.000882 (0.0001523, 0.0028224) |
| Banten   | Tuberculosis                                  | 80  | 2,370.7 (1,918.1, 2,878.9) | 0.165297 (0.1337388, 0.2007315) | 2,337.2 (1,882.4, 2,852.2) | 0.106810 (0.0860259, 0.1303440) |
| Banten   | Other communicable diseases                   | 80  | 606.0 (438.6, 828.4)       | 0.042251 (0.0305815, 0.0577577) | 874.7 (627.9, 1,193.4)     | 0.039972 (0.0286926, 0.0545394) |
| Banten   | Tracheal, bronchus, and lung cancer           | 80  | 187.3 (96.5, 328.0)        | 0.013062 (0.0067255, 0.0228666) | 73.1 (37.5, 132.1)         | 0.003342 (0.0017121, 0.0060382) |
| Banten   | Breast cancer                                 | 80  | 3.5 (0.9, 10.3)            | 0.000246 (0.0000611, 0.0007162) | 138.2 (74.5, 247.0)        | 0.006314 (0.0034050, 0.0112886) |
| Banten   | Cervical cancer                               | 80  |                            |                                 | 61.8 (24.2, 124.9)         | 0.002823 (0.0011069, 0.0057063) |
| Banten   | Other malignant neoplasms                     | 80  | 245.9 (183.1, 331.7)       | 0.017145 (0.0127634, 0.0231312) | 431.2 (313.2, 582.2)       | 0.019708 (0.0143150, 0.0266068) |
| Banten   | Cerebrovascular disease                       | 80  | 4,906.3 (4,177.8, 5,739.0) | 0.342095 (0.2912948, 0.4001542) | 8,562.8 (7,566.2, 9,663.3) | 0.391316 (0.3457711, 0.4416117) |
| Banten   | Ischemic heart disease                        | 80  | 4,260.0 (3,570.2, 4,932.0) | 0.297029 (0.2489326, 0.3438827) | 5,187.6 (4,502.6, 5,959.7) | 0.237073 (0.2057681, 0.2723579) |
| Banten   | Other cardiovascular and circulatory diseases | 80  | 1,283.2 (977.1, 1,642.2)   | 0.089471 (0.0681285, 0.1145002) | 2,256.9 (1,804.8, 2,829.0) | 0.103139 (0.0824772, 0.1292840) |
| Banten   | Diabetes mellitus                             | 80  | 723.2 (562.0, 910.0)       | 0.050423 (0.0391861, 0.0634523) | 1,564.7 (1,258.1, 1,909.8) | 0.071508 (0.0574928, 0.0872757) |
| Banten   | Chronic kidney disease                        | 80  | 310.9 (223.5, 407.9)       | 0.021680 (0.0155865, 0.0284437) | 444.9 (327.1, 582.5)       | 0.020330 (0.0149483, 0.0266181) |
| Banten   | Cirrhosis                                     | 80  | 565.5 (411.6, 747.3)       | 0.039427 (0.0286966, 0.0521024) | 606.4 (453.1, 806.6)       | 0.027714 (0.0207085, 0.0368594) |
| Banten   | Chronic respiratory diseases                  | 80  | 1,783.7 (1,420.5, 2,177.2) | 0.124372 (0.0990464, 0.1518062) | 1,754.9 (1,370.3, 2,156.1) | 0.080197 (0.0626239, 0.0985351) |
| Banten   | Other non-communicable diseases               | 80  | 1,986.8 (1,622.9, 2,411.7) | 0.138529 (0.1131598, 0.1681556) | 3,261.2 (2,754.1, 3,863.2) | 0.149035 (0.1258593, 0.1765459) |
| Banten   | Drowning                                      | 80  | 33.5 (11.9, 78.3)          | 0.002337 (0.0008291, 0.0054584) | 29.2 (10.4, 67.9)          | 0.001334 (0.0004746, 0.0031042) |



Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                            |                                   | Females                         |                                  |
|----------|----------------------------------------------------------|-----|----------------------------------|-----------------------------------|---------------------------------|----------------------------------|
|          |                                                          |     | YLLs (95% UI)                    | YLLs per capita (95% UI)          | YLLs (95% UI)                   | YLLs per capita (95% UI)         |
| Banten   | Falls                                                    | 80  | 357.9 (245.8, 496.2)             | 0.024957 (0.0171398, 0.0345954)   | 329.2 (235.7, 442.3)            | 0.015044 (0.0107708, 0.0202145)  |
| Banten   | Interpersonal violence                                   | 80  | 1.6 (0.3, 4.5)                   | 0.000111 (0.0000204, 0.0003126)   | 1.2 (0.2, 3.5)                  | 0.000053 (0.0000110, 0.0001588)  |
| Banten   | Self-harm                                                | 80  | 17.6 (6.7, 36.6)                 | 0.001228 (0.0004638, 0.0025504)   | 9.7 (3.5, 21.7)                 | 0.000443 (0.0001619, 0.0009929)  |
| Banten   | Transport injuries                                       | 80  | 140.4 (79.0, 224.2)              | 0.009789 (0.0055104, 0.0156328)   | 77.8 (41.2, 126.8)              | 0.003554 (0.0018817, 0.0057954)  |
| Banten   | Other unintentional injuries                             | 80  | 47.2 (22.5, 84.7)                | 0.003292 (0.0015662, 0.0059043)   | 27.3 (12.8, 51.3)               | 0.001247 (0.0005870, 0.0023458)  |
| Banten   | Diarrheal diseases                                       | All | 36,312.9 (27,096.8, 49,170.2)    | 0.006241 (0.0046568, 0.0084504)   | 35,573.4 (26,772.9, 46,714.9)   | 0.006426 (0.0048364, 0.0084388)  |
| Banten   | HIV/AIDS                                                 | All | 18,514.7 (10,500.0, 29,663.9)    | 0.003182 (0.0018045, 0.0050980)   | 9,251.4 (5,231.2, 14,713.1)     | 0.001671 (0.0009450, 0.0026578)  |
| Banten   | Lower respiratory infections                             | All | 55,895.4 (37,760.9, 78,106.6)    | 0.009606 (0.0064896, 0.0134234)   | 36,982.3 (25,455.7, 51,405.6)   | 0.006681 (0.0045984, 0.0092861)  |
| Banten   | Malaria                                                  | All | 2,254.0 (466.1, 6,526.6)         | 0.000387 (0.0000801, 0.0011217)   | 1,036.0 (186.7, 3,213.1)        | 0.000187 (0.0000337, 0.0005804)  |
| Banten   | Tuberculosis                                             | All | 144,089.5 (113,014.3, 177,414.3) | 0.024763 (0.0194226, 0.0304904)   | 62,536.7 (49,844.4, 77,181.5)   | 0.011297 (0.0090041, 0.0139424)  |
| Banten   | Maternal disorders                                       | All |                                  |                                   | 15,925.7 (11,148.3, 21,867.6)   | 0.002877 (0.0020139, 0.0039502)  |
| Banten   | Neonatal encephalopathy due to birth asphyxia and trauma | All | 67,540.6 (33,532.2, 106,836.6)   | 0.011608 (0.0057628, 0.0183609)   | 47,882.6 (24,299.4, 84,228.4)   | 0.008650 (0.0043895, 0.0152153)  |
| Banten   | Preterm birth complications                              | All | 54,763.8 (25,988.1, 90,286.5)    | 0.009412 (0.0044663, 0.0155166)   | 50,560.1 (25,450.8, 84,194.8)   | 0.009133 (0.0045975, 0.0152093)  |
| Banten   | Other neonatal disorders                                 | All | 25,453.8 (10,474.7, 47,664.4)    | 0.004375 (0.0018002, 0.0081916)   | 16,856.6 (7,289.2, 33,119.6)    | 0.003045 (0.0013168, 0.0059828)  |
| Banten   | Other communicable diseases                              | All | 99,496.4 (77,945.6, 126,664.4)   | 0.017099 (0.0133957, 0.0217685)   | 60,974.4 (47,195.3, 76,993.8)   | 0.011015 (0.0085255, 0.0139085)  |
| Banten   | Tracheal, bronchus, and lung cancer                      | All | 10,795.4 (6,277.8, 17,302.4)     | 0.001855 (0.0010789, 0.0029736)   | 3,498.1 (1,931.1, 6,115.4)      | 0.000632 (0.0003488, 0.0011047)  |
| Banten   | Breast cancer                                            | All | 562.7 (241.7, 1,246.3)           | 0.000097 (0.0000415, 0.0002142)   | 29,670.6 (20,148.9, 41,958.5)   | 0.005360 (0.0036398, 0.0075795)  |
| Banten   | Cervical cancer                                          | All |                                  |                                   | 10,887.3 (5,662.6, 18,987.8)    | 0.001967 (0.0010229, 0.0034300)  |
| Banten   | Other malignant neoplasms                                | All | 53,248.6 (40,593.6, 69,431.3)    | 0.009151 (0.0069764, 0.0119324)   | 33,169.9 (24,616.7, 44,196.0)   | 0.005992 (0.0044468, 0.0079837)  |
| Banten   | Cerebrovascular disease                                  | All | 123,221.3 (100,009.4, 153,731.5) | 0.021177 (0.0171876, 0.0264203)   | 102,519.4 (84,282.6, 123,264.3) | 0.018520 (0.0152251, 0.0222669)  |
| Banten   | Ischemic heart disease                                   | All | 154,568.5 (123,863.6, 190,368.0) | 0.026564 (0.0212872, 0.0327166)   | 75,568.0 (61,538.4, 92,405.5)   | 0.013651 (0.0111165, 0.0166925)  |
| Banten   | Other cardiovascular and circulatory diseases            | All | 36,775.2 (27,157.0, 48,317.6)    | 0.006320 (0.0046672, 0.0083039)   | 33,287.9 (25,662.9, 42,350.1)   | 0.006013 (0.0046358, 0.0076503)  |
| Banten   | Diabetes mellitus                                        | All | 52,298.7 (39,793.0, 67,439.6)    | 0.008988 (0.0068388, 0.0115902)   | 49,766.5 (38,686.1, 61,980.9)   | 0.008990 (0.0069884, 0.0111965)  |
| Banten   | Chronic kidney disease                                   | All | 30,197.0 (22,008.4, 39,808.5)    | 0.005190 (0.0037824, 0.0068415)   | 19,943.0 (14,936.6, 26,366.9)   | 0.003603 (0.0026982, 0.0047630)  |
| Banten   | Cirrhosis                                                | All | 62,886.0 (46,871.8, 82,254.0)    | 0.010808 (0.0080554, 0.0141362)   | 27,484.5 (20,520.5, 36,071.7)   | 0.004965 (0.0037069, 0.0065161)  |
| Banten   | Chronic respiratory diseases                             | All | 35,950.4 (27,094.2, 46,658.9)    | 0.006178 (0.0046564, 0.0080188)   | 19,867.1 (15,193.8, 25,576.6)   | 0.003589 (0.0027447, 0.0046203)  |
| Banten   | Other non-communicable diseases                          | All | 106,375.7 (82,399.9, 133,013.0)  | 0.018282 (0.0141612, 0.0228596)   | 88,207.2 (69,147.3, 110,786.3)  | 0.015934 (0.0124910, 0.0200129)  |
| Banten   | Drowning                                                 | All | 18,036.9 (10,828.9, 27,420.1)    | 0.003100 (0.0018610, 0.0047124)   | 5,419.7 (3,077.0, 8,550.9)      | 0.000979 (0.0005558, 0.0015447)  |
| Banten   | Falls                                                    | All | 19,144.5 (12,449.0, 28,691.6)    | 0.003290 (0.0021395, 0.0049309)   | 7,865.3 (5,110.4, 11,761.7)     | 0.001421 (0.0009232, 0.0021247)  |
| Banten   | Interpersonal violence                                   | All | 2,285.4 (1,224.1, 3,974.2)       | 0.000393 (0.0002104, 0.0006830)   | 1,105.0 (571.2, 1,909.4)        | 0.000200 (0.0001032, 0.0003449)  |
| Banten   | Self-harm                                                | All | 6,725.3 (3,457.4, 11,843.3)      | 0.001156 (0.0005942, 0.0020354)   | 2,540.0 (1,239.0, 4,688.4)      | 0.000459 (0.0002238, 0.0008469)  |
| Banten   | Transport injuries                                       | All | 100,745.2 (78,160.2, 124,649.1)  | 0.017314 (0.0134326, 0.0214222)   | 27,093.3 (20,403.8, 34,960.1)   | 0.004894 (0.0036858, 0.0063153)  |
| Banten   | Other unintentional injuries                             | All | 17,032.3 (10,158.7, 26,195.5)    | 0.002927 (0.0017459, 0.0045020)   | 5,312.4 (3,089.8, 8,530.4)      | 0.000960 (0.0005582, 0.0015410)  |
| Bali     | Diarrheal diseases                                       | NN  | 1,037.2 (403.1, 1,909.0)         | 0.359863 (0.1398732, 0.6623316)   | 705.5 (286.6, 1,346.0)          | 0.259225 (0.1052920, 0.4945536)  |
| Bali     | Lower respiratory infections                             | NN  | 10,577.1 (4,994.2, 18,054.1)     | 3.669766 (1.7327369, 6.2639041)   | 5,430.6 (2,558.9, 9,621.8)      | 1.995390 (0.9402446, 3.5354071)  |
| Bali     | Malaria                                                  | NN  | 6.8 (0.3, 30.9)                  | 0.002372 (0.0001100, 0.0107089)   | 3.5 (0.2, 15.9)                 | 0.001286 (0.0000608, 0.0058486)  |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 19,079.6 (8,961.7, 32,666.2)     | 6.619714 (3.1092761, 11.3336401)  | 10,638.5 (4,973.5, 19,092.3)    | 3.908975 (1.8274580, 7.0152469)  |
| Bali     | Preterm birth complications                              | NN  | 31,508.0 (15,853.0, 52,653.5)    | 10.931800 (5.5002489, 18.2682705) | 22,886.8 (11,361.2, 39,504.1)   | 8.409484 (4.1745119, 14.5152702) |
| Bali     | Other neonatal disorders                                 | NN  | 7,021.9 (1,593.8, 17,184.2)      | 2.436255 (0.5529773, 5.9621048)   | 3,735.8 (778.6, 9,788.7)        | 1.372688 (0.2860737, 3.5967219)  |
| Bali     | Other communicable diseases                              | NN  | 1,261.3 (527.0, 2,392.3)         | 0.437610 (0.1828430, 0.8300053)   | 590.4 (240.8, 1,194.4)          | 0.216945 (0.0884655, 0.4388825)  |
| Bali     | Other malignant neoplasms                                | NN  | 1,584.4 (651.5, 2,928.3)         | 0.549706 (0.2260419, 1.0159990)   | 1,124.7 (462.4, 2,243.1)        | 0.413271 (0.1698883, 0.8241911)  |
| Bali     | Cerebrovascular disease                                  | NN  | 167.7 (41.7, 407.5)              | 0.058187 (0.0144712, 0.1413682)   | 150.1 (38.5, 413.0)             | 0.055137 (0.0141316, 0.1517487)  |
| Bali     | Other cardiovascular and circulatory diseases            | NN  | 127.3 (30.1, 341.9)              | 0.044157 (0.0104433, 0.1186076)   | 127.9 (29.7, 357.7)             | 0.047013 (0.0109160, 0.1314189)  |
| Bali     | Diabetes mellitus                                        | NN  | 65.5 (0.3, 481.1)                | 0.022728 (0.0001179, 0.1669213)   | 52.7 (0.3, 426.1)               | 0.019364 (0.0001008, 0.1565753)  |
| Bali     | Other non-communicable diseases                          | NN  | 12,997.8 (6,715.6, 20,807.7)     | 4.509617 (2.3299911, 7.2192888)   | 10,375.7 (5,362.5, 17,509.2)    | 3.812410 (1.9703799, 6.4335380)  |
| Bali     | Drowning                                                 | NN  | 919.4 (226.1, 2,400.0)           | 0.319004 (0.0784550, 0.8326762)   | 169.9 (36.6, 477.6)             | 0.062430 (0.0134612, 0.1754813)  |
| Bali     | Falls                                                    | NN  | 680.7 (221.7, 1,563.4)           | 0.236182 (0.0769366, 0.5424289)   | 175.1 (52.3, 411.9)             | 0.064330 (0.0192022, 0.1513609)  |
| Bali     | Interpersonal violence                                   | NN  | 376.8 (68.0, 1,106.1)            | 0.130739 (0.0236030, 0.3837563)   | 180.1 (34.6, 529.1)             | 0.066175 (0.0127182, 0.1944103)  |
| Bali     | Transport injuries                                       | NN  | 616.0 (201.0, 1,426.1)           | 0.213718 (0.0697404, 0.4947963)   | 118.9 (40.9, 301.1)             | 0.043672 (0.0150204, 0.1106302)  |
| Bali     | Other unintentional injuries                             | NN  | 2,550.2 (958.7, 4,882.4)         | 0.884803 (0.3326083, 1.6939720)   | 674.2 (259.7, 1,427.5)          | 0.247735 (0.0954234, 0.5245232)  |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|----------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Diarrheal diseases                                       | PNN | 187.4 (85.4, 318.3)        | 0.005208 (0.0023743, 0.0088479) | 255.9 (123.8, 450.5)       | 0.007534 (0.0036452, 0.0132621) |
| Bali     | HIV/AIDS                                                 | PNN | 28.3 (9.8, 60.3)           | 0.000788 (0.0002730, 0.0016774) | 28.7 (8.8, 68.3)           | 0.000844 (0.0002585, 0.0020099) |
| Bali     | Lower respiratory infections                             | PNN | 141.8 (67.9, 238.5)        | 0.003941 (0.0018868, 0.0066307) | 137.9 (63.1, 241.6)        | 0.004059 (0.0018576, 0.0071111) |
| Bali     | Malaria                                                  | PNN | 1.2 (0.1, 5.1)             | 0.000033 (0.0000016, 0.0001422) | 1.2 (0.1, 5.8)             | 0.000036 (0.0000017, 0.0001720) |
| Bali     | Tuberculosis                                             | PNN | 9.6 (3.9, 18.7)            | 0.000266 (0.0001073, 0.0005196) | 10.4 (3.9, 21.4)           | 0.000306 (0.0001152, 0.0006286) |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 7.5 (2.0, 18.9)            | 0.000209 (0.0000558, 0.0005265) | 7.6 (2.0, 19.8)            | 0.000224 (0.0000585, 0.0005818) |
| Bali     | Preterm birth complications                              | PNN | 42.8 (14.3, 89.2)          | 0.001189 (0.0003969, 0.0024808) | 65.2 (22.8, 133.4)         | 0.001921 (0.0006704, 0.0039275) |
| Bali     | Other neonatal disorders                                 | PNN | 10.8 (1.8, 31.7)           | 0.000300 (0.0000504, 0.0008815) | 10.8 (1.8, 32.7)           | 0.000317 (0.0000519, 0.0009631) |
| Bali     | Other communicable diseases                              | PNN | 252.6 (125.7, 430.0)       | 0.007023 (0.0034937, 0.0119528) | 238.5 (111.6, 427.0)       | 0.007022 (0.0032868, 0.0125700) |
| Bali     | Other malignant neoplasms                                | PNN | 14.5 (6.1, 27.5)           | 0.000402 (0.0001708, 0.0007635) | 18.6 (7.6, 36.9)           | 0.000548 (0.0002251, 0.0010853) |
| Bali     | Cerebrovascular disease                                  | PNN | 1.5 (0.4, 3.5)             | 0.000043 (0.0000119, 0.0000978) | 2.5 (0.7, 6.1)             | 0.000073 (0.0000206, 0.0001805) |
| Bali     | Ischemic heart disease                                   | PNN | 1.2 (0.1, 5.7)             | 0.000032 (0.0000022, 0.0001584) | 1.8 (0.1, 8.1)             | 0.000052 (0.0000037, 0.0002370) |
| Bali     | Other cardiovascular and circulatory diseases            | PNN | 1.2 (0.3, 3.1)             | 0.000032 (0.0000082, 0.0000872) | 2.1 (0.5, 5.6)             | 0.000062 (0.0000147, 0.0001642) |
| Bali     | Diabetes mellitus                                        | PNN | 0.6 (0.0, 4.7)             | 0.000017 (0.0000001, 0.0001293) | 0.9 (0.0, 6.6)             | 0.000025 (0.0000001, 0.0001937) |
| Bali     | Chronic kidney disease                                   | PNN | 10.2 (3.9, 21.5)           | 0.000284 (0.0001089, 0.0005966) | 10.8 (3.8, 23.9)           | 0.000319 (0.0001131, 0.0007042) |
| Bali     | Other non-communicable diseases                          | PNN | 117.8 (58.7, 192.8)        | 0.003275 (0.0016309, 0.0053595) | 169.8 (81.1, 289.3)        | 0.005000 (0.0023888, 0.0085174) |
| Bali     | Drowning                                                 | PNN | 10.4 (2.8, 25.5)           | 0.000290 (0.0000773, 0.0007084) | 3.5 (0.7, 9.7)             | 0.000102 (0.0000212, 0.0002863) |
| Bali     | Falls                                                    | PNN | 7.4 (2.6, 16.1)            | 0.000206 (0.0000715, 0.0004487) | 3.4 (1.1, 7.7)             | 0.000101 (0.0000316, 0.0002267) |
| Bali     | Interpersonal violence                                   | PNN | 4.0 (0.8, 11.7)            | 0.000112 (0.0000226, 0.0003264) | 3.5 (0.7, 9.7)             | 0.000102 (0.0000209, 0.0002865) |
| Bali     | Transport injuries                                       | PNN | 6.9 (2.4, 14.9)            | 0.000192 (0.0000666, 0.0004152) | 2.4 (0.9, 5.5)             | 0.000071 (0.0000252, 0.0001614) |
| Bali     | Other unintentional injuries                             | PNN | 27.5 (11.9, 51.7)          | 0.000764 (0.0003304, 0.0014371) | 13.1 (5.2, 25.7)           | 0.000385 (0.0001532, 0.0007556) |
| Bali     | Diarrheal diseases                                       | 1   | 1,445.2 (558.8, 3,213.3)   | 0.009565 (0.0036985, 0.0212673) | 2,077.2 (834.9, 4,216.7)   | 0.014487 (0.0058227, 0.0294093) |
| Bali     | HIV/AIDS                                                 | 1   | 524.9 (151.0, 1,277.8)     | 0.003474 (0.0009992, 0.0084570) | 554.0 (168.2, 1,281.6)     | 0.003864 (0.0011734, 0.0089385) |
| Bali     | Lower respiratory infections                             | 1   | 2,551.2 (1,057.6, 5,349.3) | 0.016885 (0.0069996, 0.0354045) | 2,621.1 (1,099.6, 5,225.7) | 0.018281 (0.0076695, 0.0364467) |
| Bali     | Malaria                                                  | 1   | 7.3 (0.3, 32.6)            | 0.000049 (0.0000019, 0.0002157) | 8.3 (0.3, 39.0)            | 0.000058 (0.0000024, 0.0002722) |
| Bali     | Tuberculosis                                             | 1   | 186.6 (67.4, 437.8)        | 0.001235 (0.0004461, 0.0028974) | 212.9 (78.1, 472.9)        | 0.001485 (0.0005450, 0.0032980) |
| Bali     | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 68.6 (15.2, 208.3)         | 0.000454 (0.0001004, 0.0013784) | 70.1 (16.0, 198.6)         | 0.000489 (0.0001113, 0.0013852) |
| Bali     | Preterm birth complications                              | 1   | 77.3 (12.9, 272.6)         | 0.000512 (0.0000852, 0.0018041) | 117.8 (19.4, 407.3)        | 0.000821 (0.0001354, 0.0028408) |
| Bali     | Other neonatal disorders                                 | 1   | 15.2 (0.1, 107.8)          | 0.000101 (0.0000005, 0.0007137) | 15.1 (0.1, 106.8)          | 0.000106 (0.0000005, 0.0007448) |
| Bali     | Other communicable diseases                              | 1   | 4,113.9 (1,704.6, 8,284.9) | 0.027228 (0.0112821, 0.0548334) | 4,190.4 (1,774.7, 8,369.4) | 0.029226 (0.0123779, 0.0583718) |
| Bali     | Other malignant neoplasms                                | 1   | 184.2 (66.1, 416.7)        | 0.001219 (0.0004372, 0.0027579) | 262.2 (99.0, 569.1)        | 0.001829 (0.0006906, 0.0039693) |
| Bali     | Cerebrovascular disease                                  | 1   | 21.5 (5.3, 59.8)           | 0.000142 (0.0000348, 0.0003961) | 38.1 (9.2, 104.5)          | 0.000266 (0.0000641, 0.0007290) |
| Bali     | Ischemic heart disease                                   | 1   | 16.2 (1.1, 77.7)           | 0.000107 (0.0000070, 0.0005144) | 27.7 (1.8, 120.7)          | 0.000193 (0.0000123, 0.0008418) |
| Bali     | Other cardiovascular and circulatory diseases            | 1   | 15.0 (3.3, 43.1)           | 0.000099 (0.0000216, 0.0002856) | 30.2 (6.6, 82.1)           | 0.000210 (0.0000462, 0.0005728) |
| Bali     | Diabetes mellitus                                        | 1   | 7.4 (0.0, 62.0)            | 0.000049 (0.0000002, 0.0004100) | 12.2 (0.1, 94.4)           | 0.000085 (0.0000005, 0.0006587) |
| Bali     | Chronic kidney disease                                   | 1   | 125.6 (40.4, 285.3)        | 0.000832 (0.0002671, 0.0018880) | 147.6 (49.8, 362.6)        | 0.001030 (0.0003475, 0.0025287) |
| Bali     | Cirrhosis                                                | 1   | 147.2 (40.9, 381.4)        | 0.000974 (0.0002710, 0.0025244) | 125.0 (34.4, 306.7)        | 0.000872 (0.0002396, 0.0021391) |
| Bali     | Chronic respiratory diseases                             | 1   | 256.5 (85.4, 606.2)        | 0.001698 (0.0005654, 0.0040121) | 163.4 (52.0, 409.7)        | 0.001139 (0.0003630, 0.0028577) |
| Bali     | Other non-communicable diseases                          | 1   | 1,507.8 (612.5, 3,081.5)   | 0.009980 (0.0040539, 0.0203947) | 2,395.3 (1,031.9, 4,799.4) | 0.016706 (0.0071972, 0.0334732) |
| Bali     | Drowning                                                 | 1   | 557.9 (141.9, 1,413.8)     | 0.003692 (0.0009391, 0.0093572) | 205.4 (47.8, 532.4)        | 0.001433 (0.0003333, 0.0037129) |
| Bali     | Falls                                                    | 1   | 277.0 (79.5, 648.7)        | 0.001833 (0.0005262, 0.0042936) | 143.4 (41.1, 343.0)        | 0.001000 (0.0002865, 0.0023924) |
| Bali     | Interpersonal violence                                   | 1   | 124.0 (23.8, 388.0)        | 0.000821 (0.0001576, 0.0025680) | 118.2 (25.0, 345.5)        | 0.000824 (0.0001746, 0.0024095) |
| Bali     | Transport injuries                                       | 1   | 333.1 (103.7, 807.7)       | 0.002205 (0.0006863, 0.0053458) | 130.8 (37.3, 308.4)        | 0.000912 (0.0002605, 0.0021512) |
| Bali     | Other unintentional injuries                             | 1   | 889.2 (291.8, 1,911.4)     | 0.005885 (0.0019311, 0.0126503) | 473.5 (163.8, 1,022.2)     | 0.003302 (0.0011423, 0.0071291) |
| Bali     | Diarrheal diseases                                       | 5   | 677.4 (445.8, 953.6)       | 0.003572 (0.0023507, 0.0050286) | 655.7 (452.1, 906.7)       | 0.003736 (0.0025756, 0.0051658) |
| Bali     | HIV/AIDS                                                 | 5   | 183.8 (56.7, 398.7)        | 0.000969 (0.0002988, 0.0021022) | 128.7 (43.3, 268.4)        | 0.000733 (0.0002465, 0.0015290) |
| Bali     | Lower respiratory infections                             | 5   | 839.5 (549.3, 1,159.7)     | 0.004427 (0.0028967, 0.0061153) | 576.2 (378.4, 799.8)       | 0.003283 (0.0021558, 0.0045570) |
| Bali     | Malaria                                                  | 5   | 3.5 (0.2, 15.9)            | 0.000019 (0.0000010, 0.0000836) | 2.6 (0.1, 12.3)            | 0.000015 (0.0000008, 0.0000704) |
| Bali     | Tuberculosis                                             | 5   | 87.6 (48.7, 142.7)         | 0.000462 (0.0002568, 0.0007523) | 66.8 (38.2, 110.4)         | 0.000381 (0.0002176, 0.0006289) |
| Bali     | Other communicable diseases                              | 5   | 1,919.7 (1,506.9, 2,404.8) | 0.010123 (0.0079459, 0.0126806) | 1,309.9 (1,015.2, 1,644.2) | 0.007463 (0.0057842, 0.0093678) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Bali     | Other malignant neoplasms                     | 5   | 677.3 (457.4, 970.5)       | 0.003571 (0.0024118, 0.0051177) | 654.2 (443.5, 902.1)     | 0.003727 (0.0025267, 0.0051399) |
| Bali     | Cerebrovascular disease                       | 5   | 56.0 (26.1, 102.4)         | 0.000296 (0.0001378, 0.0005402) | 66.7 (31.8, 114.7)       | 0.000380 (0.0001813, 0.0006533) |
| Bali     | Ischemic heart disease                        | 5   | 48.1 (18.8, 96.0)          | 0.000253 (0.0000993, 0.0005060) | 55.2 (23.1, 102.7)       | 0.000315 (0.0001315, 0.0005853) |
| Bali     | Other cardiovascular and circulatory diseases | 5   | 43.8 (19.0, 93.8)          | 0.000231 (0.0001000, 0.0004946) | 58.0 (27.7, 113.3)       | 0.000331 (0.0001576, 0.0006453) |
| Bali     | Diabetes mellitus                             | 5   | 53.9 (21.4, 122.6)         | 0.000284 (0.0001128, 0.0006463) | 61.2 (25.5, 132.7)       | 0.000349 (0.0001452, 0.0007560) |
| Bali     | Chronic kidney disease                        | 5   | 163.2 (82.2, 282.9)        | 0.000861 (0.0004336, 0.0014918) | 131.4 (66.2, 230.9)      | 0.000749 (0.0003773, 0.0013155) |
| Bali     | Cirrhosis                                     | 5   | 244.1 (134.9, 401.6)       | 0.001287 (0.0007112, 0.0021179) | 143.0 (78.7, 242.1)      | 0.000815 (0.0004484, 0.0013792) |
| Bali     | Chronic respiratory diseases                  | 5   | 132.0 (67.9, 232.4)        | 0.000696 (0.0003581, 0.0012255) | 56.5 (27.0, 104.9)       | 0.000322 (0.0001537, 0.0005976) |
| Bali     | Other non-communicable diseases               | 5   | 850.9 (621.0, 1,145.7)     | 0.004487 (0.0032746, 0.0060416) | 919.0 (697.9, 1,188.5)   | 0.005236 (0.0039762, 0.0067715) |
| Bali     | Drowning                                      | 5   | 1,591.5 (787.1, 2,478.1)   | 0.008392 (0.0041504, 0.0130673) | 579.0 (237.8, 1,007.6)   | 0.003299 (0.0013547, 0.0057406) |
| Bali     | Falls                                         | 5   | 416.4 (202.4, 730.9)       | 0.002196 (0.0010670, 0.0038540) | 195.9 (94.1, 356.7)      | 0.001116 (0.0005359, 0.0020321) |
| Bali     | Interpersonal violence                        | 5   | 88.5 (20.0, 267.8)         | 0.000467 (0.0001056, 0.0014122) | 75.6 (18.3, 210.6)       | 0.000431 (0.0001042, 0.0012002) |
| Bali     | Transport injuries                            | 5   | 975.1 (522.4, 1,571.7)     | 0.005142 (0.0027548, 0.0082875) | 361.1 (180.2, 596.6)     | 0.002058 (0.0010268, 0.0039899) |
| Bali     | Other unintentional injuries                  | 5   | 701.4 (346.5, 1,190.8)     | 0.003699 (0.0018274, 0.0062793) | 340.0 (169.9, 574.3)     | 0.001937 (0.0009683, 0.0032718) |
| Bali     | Diarrheal diseases                            | 10  | 306.9 (183.4, 454.4)       | 0.001713 (0.0010232, 0.0025357) | 275.6 (172.0, 402.6)     | 0.001638 (0.0010223, 0.0023925) |
| Bali     | HIV/AIDS                                      | 10  | 197.1 (83.7, 373.4)        | 0.001100 (0.0004671, 0.0020838) | 125.4 (52.6, 236.1)      | 0.000746 (0.0003123, 0.0014031) |
| Bali     | Lower respiratory infections                  | 10  | 561.8 (383.4, 792.1)       | 0.003135 (0.0021394, 0.0044201) | 349.7 (229.9, 488.0)     | 0.002078 (0.0013663, 0.0029004) |
| Bali     | Malaria                                       | 10  | 7.1 (0.4, 31.3)            | 0.000040 (0.0000025, 0.0001748) | 4.7 (0.3, 20.2)          | 0.000028 (0.0000018, 0.0001201) |
| Bali     | Tuberculosis                                  | 10  | 228.0 (139.9, 340.2)       | 0.001272 (0.0007806, 0.0018986) | 151.7 (92.1, 230.5)      | 0.000901 (0.0005475, 0.0013701) |
| Bali     | Maternal disorders                            | 10  |                            |                                 | 29.7 (4.3, 86.1)         | 0.000177 (0.0000254, 0.0005115) |
| Bali     | Other communicable diseases                   | 10  | 1,300.2 (1,011.4, 1,605.8) | 0.007256 (0.0056439, 0.0089610) | 815.4 (618.5, 1,017.6)   | 0.004846 (0.0036758, 0.0060474) |
| Bali     | Other malignant neoplasms                     | 10  | 926.2 (689.9, 1,203.9)     | 0.005168 (0.0038499, 0.0067180) | 822.4 (623.4, 1,037.3)   | 0.004887 (0.0037046, 0.0061645) |
| Bali     | Cerebrovascular disease                       | 10  | 83.6 (49.1, 130.3)         | 0.000467 (0.0002738, 0.0007271) | 89.9 (53.3, 136.4)       | 0.000534 (0.0003165, 0.0008109) |
| Bali     | Ischemic heart disease                        | 10  | 110.4 (66.4, 166.8)        | 0.000616 (0.0003707, 0.0009307) | 110.8 (68.8, 167.3)      | 0.000659 (0.0004091, 0.0009942) |
| Bali     | Other cardiovascular and circulatory diseases | 10  | 61.2 (33.4, 104.2)         | 0.000341 (0.0001861, 0.0005815) | 73.4 (40.9, 124.0)       | 0.000436 (0.0002430, 0.0007372) |
| Bali     | Diabetes mellitus                             | 10  | 72.6 (40.3, 124.5)         | 0.000405 (0.0002248, 0.0006947) | 75.0 (41.3, 128.8)       | 0.000446 (0.0002452, 0.0007655) |
| Bali     | Chronic kidney disease                        | 10  | 220.4 (133.6, 322.5)       | 0.001230 (0.0007456, 0.0017999) | 159.5 (93.2, 241.7)      | 0.000948 (0.0005536, 0.0014362) |
| Bali     | Cirrhosis                                     | 10  | 255.6 (163.7, 379.1)       | 0.001426 (0.0009133, 0.0021155) | 139.0 (87.3, 211.9)      | 0.000826 (0.0005188, 0.0012594) |
| Bali     | Chronic respiratory diseases                  | 10  | 273.9 (164.9, 403.0)       | 0.001528 (0.0009201, 0.0022490) | 109.4 (62.5, 172.8)      | 0.000650 (0.0003715, 0.0010271) |
| Bali     | Other non-communicable diseases               | 10  | 915.7 (719.7, 1,135.9)     | 0.005110 (0.0040160, 0.0063387) | 885.5 (716.8, 1,097.0)   | 0.005263 (0.0042598, 0.0065194) |
| Bali     | Drowning                                      | 10  | 703.0 (266.3, 1,333.4)     | 0.003923 (0.0014858, 0.0074407) | 211.2 (68.1, 450.0)      | 0.001255 (0.0004046, 0.0026744) |
| Bali     | Falls                                         | 10  | 312.4 (154.7, 550.6)       | 0.001743 (0.0008633, 0.0030724) | 123.7 (59.8, 226.9)      | 0.000735 (0.0003555, 0.0013487) |
| Bali     | Interpersonal violence                        | 10  | 133.3 (39.1, 325.8)        | 0.000744 (0.0002183, 0.0018180) | 89.4 (24.0, 213.7)       | 0.000531 (0.0001429, 0.0012701) |
| Bali     | Self-harm                                     | 10  | 452.6 (198.8, 880.0)       | 0.002526 (0.0011093, 0.0049107) | 264.9 (115.6, 488.4)     | 0.001574 (0.0006868, 0.0029026) |
| Bali     | Transport injuries                            | 10  | 1,305.0 (858.7, 1,874.9)   | 0.007282 (0.0047917, 0.0104628) | 413.3 (251.8, 621.1)     | 0.002456 (0.0014961, 0.0036910) |
| Bali     | Other unintentional injuries                  | 10  | 632.7 (356.2, 984.4)       | 0.003531 (0.0019879, 0.0054932) | 247.8 (134.1, 391.2)     | 0.001472 (0.0007967, 0.0023247) |
| Bali     | Diarrheal diseases                            | 15  | 186.4 (97.8, 303.5)        | 0.001196 (0.0006273, 0.0019470) | 142.2 (79.6, 223.6)      | 0.000957 (0.0005360, 0.0015050) |
| Bali     | HIV/AIDS                                      | 15  | 214.1 (83.7, 446.6)        | 0.001374 (0.0005372, 0.0028654) | 118.8 (46.7, 241.0)      | 0.000800 (0.0003141, 0.0016218) |
| Bali     | Lower respiratory infections                  | 15  | 287.2 (172.2, 451.9)       | 0.001843 (0.0011049, 0.0028995) | 153.6 (91.1, 241.4)      | 0.001034 (0.0006130, 0.0016250) |
| Bali     | Malaria                                       | 15  | 23.2 (1.6, 92.1)           | 0.000149 (0.0000100, 0.0005911) | 11.7 (0.8, 49.3)         | 0.000079 (0.0000051, 0.0003315) |
| Bali     | Tuberculosis                                  | 15  | 552.0 (361.0, 829.6)       | 0.003542 (0.0023158, 0.0053222) | 274.4 (177.2, 406.1)     | 0.001847 (0.0011928, 0.0027334) |
| Bali     | Maternal disorders                            | 15  |                            |                                 | 239.2 (123.4, 409.8)     | 0.001610 (0.0008304, 0.0027579) |
| Bali     | Other communicable diseases                   | 15  | 920.8 (650.0, 1,281.0)     | 0.005907 (0.0041699, 0.0082184) | 496.6 (342.7, 660.5)     | 0.003342 (0.0023064, 0.0044454) |
| Bali     | Tracheal, bronchus, and lung cancer           | 15  | 224.3 (100.4, 402.1)       | 0.001439 (0.0006443, 0.0025794) | 73.3 (25.2, 150.1)       | 0.000493 (0.0001695, 0.0010105) |
| Bali     | Breast cancer                                 | 15  | 4.1 (0.5, 15.6)            | 0.000026 (0.0000034, 0.0001004) | 87.6 (26.9, 199.8)       | 0.000589 (0.0001811, 0.0013447) |
| Bali     | Cervical cancer                               | 15  |                            |                                 | 97.8 (30.9, 209.2)       | 0.000658 (0.0002077, 0.0014082) |
| Bali     | Other malignant neoplasms                     | 15  | 1,175.2 (840.7, 1,648.8)   | 0.007540 (0.0053938, 0.0105782) | 1,086.2 (823.3, 1,365.4) | 0.007311 (0.0055411, 0.0091901) |
| Bali     | Cerebrovascular disease                       | 15  | 148.7 (85.3, 232.2)        | 0.000954 (0.0005474, 0.0014900) | 140.9 (79.9, 219.0)      | 0.000948 (0.0005377, 0.0014742) |
| Bali     | Ischemic heart disease                        | 15  | 364.3 (237.8, 536.0)       | 0.002337 (0.0015258, 0.0034387) | 264.5 (171.1, 392.9)     | 0.001780 (0.0011515, 0.0026444) |
| Bali     | Other cardiovascular and circulatory diseases | 15  | 99.8 (50.8, 177.6)         | 0.000640 (0.0003256, 0.0011391) | 112.9 (53.9, 200.7)      | 0.000760 (0.0003629, 0.0013506) |
| Bali     | Diabetes mellitus                             | 15  | 123.0 (65.6, 206.4)        | 0.000789 (0.0004207, 0.0013241) | 120.3 (62.2, 206.7)      | 0.000810 (0.0004187, 0.0013911) |
| Bali     | Chronic kidney disease                        | 15  | 361.5 (217.6, 569.6)       | 0.002319 (0.0013959, 0.0036546) | 241.6 (138.1, 373.4)     | 0.001626 (0.0009295, 0.0025131) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Cirrhosis                                     | 15  | 295.6 (180.8, 477.7)       | 0.001897 (0.0011599, 0.0030647) | 160.3 (92.8, 264.4)        | 0.001079 (0.0006244, 0.0017796) |
| Bali     | Chronic respiratory diseases                  | 15  | 274.3 (155.6, 440.5)       | 0.001760 (0.0009981, 0.0028258) | 129.1 (73.1, 217.2)        | 0.000869 (0.0004919, 0.0014621) |
| Bali     | Other non-communicable diseases               | 15  | 1,083.8 (790.3, 1,486.7)   | 0.006953 (0.0050700, 0.0095381) | 950.6 (746.4, 1,207.1)     | 0.006398 (0.0050236, 0.0081241) |
| Bali     | Drowning                                      | 15  | 246.8 (74.2, 567.0)        | 0.001583 (0.0004759, 0.0036377) | 86.5 (24.2, 211.4)         | 0.000582 (0.0001627, 0.0014228) |
| Bali     | Falls                                         | 15  | 213.5 (105.0, 388.8)       | 0.001370 (0.0006734, 0.0024946) | 97.3 (46.6, 182.6)         | 0.000655 (0.0003137, 0.0012288) |
| Bali     | Interpersonal violence                        | 15  | 333.1 (99.2, 773.7)        | 0.002137 (0.0006365, 0.0049640) | 218.4 (59.5, 481.0)        | 0.001470 (0.0004004, 0.0032373) |
| Bali     | Self-harm                                     | 15  | 1,004.7 (533.3, 1,687.5)   | 0.006446 (0.0034215, 0.0108266) | 567.8 (286.2, 961.7)       | 0.003822 (0.0019260, 0.0064730) |
| Bali     | Transport injuries                            | 15  | 3,149.2 (2,264.0, 4,310.0) | 0.020204 (0.0145252, 0.0276515) | 1,196.0 (827.6, 1,599.6)   | 0.008050 (0.0055703, 0.0107662) |
| Bali     | Other unintentional injuries                  | 15  | 843.5 (506.3, 1,320.7)     | 0.005412 (0.0032483, 0.0084733) | 348.0 (191.1, 552.5)       | 0.002342 (0.0012865, 0.0037186) |
| Bali     | Diarrheal diseases                            | 20  | 180.9 (94.2, 310.9)        | 0.001185 (0.0006166, 0.0020359) | 138.3 (75.6, 223.4)        | 0.000905 (0.0004944, 0.0014614) |
| Bali     | HIV/AIDS                                      | 20  | 701.8 (366.1, 1,244.2)     | 0.004595 (0.0023974, 0.0081466) | 356.2 (192.4, 590.5)       | 0.002330 (0.0012583, 0.0038626) |
| Bali     | Lower respiratory infections                  | 20  | 272.1 (156.9, 443.2)       | 0.001782 (0.0010277, 0.0029019) | 122.4 (69.4, 199.9)        | 0.000800 (0.0004537, 0.0013075) |
| Bali     | Malaria                                       | 20  | 29.8 (1.9, 117.1)          | 0.000195 (0.0000122, 0.0007669) | 14.5 (1.0, 60.6)           | 0.000095 (0.0000063, 0.0003966) |
| Bali     | Tuberculosis                                  | 20  | 1,147.2 (754.3, 1,659.0)   | 0.007512 (0.0049390, 0.0108628) | 445.5 (283.2, 652.7)       | 0.002914 (0.0018523, 0.0042692) |
| Bali     | Maternal disorders                            | 20  |                            |                                 | 366.8 (202.8, 577.3)       | 0.002399 (0.0013268, 0.0037760) |
| Bali     | Other communicable diseases                   | 20  | 1,141.6 (809.6, 1,629.7)   | 0.007475 (0.0053011, 0.0106710) | 621.2 (442.6, 816.5)       | 0.004063 (0.0028949, 0.0053405) |
| Bali     | Tracheal, bronchus, and lung cancer           | 20  | 239.7 (98.8, 485.3)        | 0.001570 (0.0006472, 0.0031776) | 106.3 (41.8, 214.2)        | 0.000695 (0.0002735, 0.0014009) |
| Bali     | Breast cancer                                 | 20  | 7.5 (1.6, 21.5)            | 0.000049 (0.0000104, 0.0001411) | 272.7 (135.9, 478.3)       | 0.001784 (0.0008888, 0.0031287) |
| Bali     | Cervical cancer                               | 20  |                            |                                 | 218.2 (96.7, 379.4)        | 0.001428 (0.0006327, 0.0024817) |
| Bali     | Other malignant neoplasms                     | 20  | 1,208.9 (849.4, 1,682.7)   | 0.007916 (0.0055617, 0.0110180) | 1,230.6 (909.1, 1,613.1)   | 0.008049 (0.0059462, 0.0105514) |
| Bali     | Cerebrovascular disease                       | 20  | 299.0 (197.4, 450.7)       | 0.001958 (0.0012928, 0.0029511) | 226.4 (156.0, 323.4)       | 0.001481 (0.0010204, 0.0021153) |
| Bali     | Ischemic heart disease                        | 20  | 709.6 (506.1, 982.3)       | 0.004646 (0.0033142, 0.0064317) | 324.2 (225.0, 437.0)       | 0.002120 (0.0014718, 0.0028582) |
| Bali     | Other cardiovascular and circulatory diseases | 20  | 161.9 (97.9, 258.5)        | 0.001060 (0.0006412, 0.0016926) | 165.9 (102.6, 252.2)       | 0.001085 (0.0006708, 0.0016495) |
| Bali     | Diabetes mellitus                             | 20  | 128.7 (74.0, 208.3)        | 0.000842 (0.0004847, 0.0013636) | 111.4 (62.8, 179.2)        | 0.000729 (0.0004107, 0.0011722) |
| Bali     | Chronic kidney disease                        | 20  | 607.6 (404.0, 916.3)       | 0.003979 (0.0026456, 0.0060001) | 359.5 (220.4, 550.1)       | 0.002351 (0.0014416, 0.0035981) |
| Bali     | Cirrhosis                                     | 20  | 501.2 (320.4, 783.0)       | 0.003282 (0.0020982, 0.0051267) | 245.1 (149.9, 372.3)       | 0.001603 (0.0009807, 0.0024354) |
| Bali     | Chronic respiratory diseases                  | 20  | 604.2 (387.7, 905.7)       | 0.003956 (0.0025385, 0.0059301) | 299.4 (189.2, 438.8)       | 0.001959 (0.0012376, 0.0028704) |
| Bali     | Other non-communicable diseases               | 20  | 1,104.9 (814.9, 1,534.0)   | 0.007235 (0.0053356, 0.0100446) | 832.3 (640.1, 1,054.4)     | 0.005444 (0.0041868, 0.0068965) |
| Bali     | Drowning                                      | 20  | 172.0 (46.3, 412.7)        | 0.001126 (0.0003033, 0.0027020) | 51.4 (12.9, 135.1)         | 0.000336 (0.0000847, 0.0008835) |
| Bali     | Falls                                         | 20  | 203.4 (102.5, 379.7)       | 0.001332 (0.0006715, 0.0024863) | 78.0 (35.0, 148.9)         | 0.000510 (0.0002289, 0.0009739) |
| Bali     | Interpersonal violence                        | 20  | 398.5 (122.9, 909.9)       | 0.002609 (0.0008050, 0.0059578) | 209.4 (63.1, 444.4)        | 0.001369 (0.0004130, 0.0029067) |
| Bali     | Self-harm                                     | 20  | 1,049.5 (577.5, 1,753.5)   | 0.006872 (0.0037815, 0.0114813) | 471.7 (238.3, 769.1)       | 0.003085 (0.0015589, 0.0050308) |
| Bali     | Transport injuries                            | 20  | 2,473.4 (1,736.7, 3,438.6) | 0.016195 (0.0113714, 0.0225150) | 739.7 (485.3, 1,041.6)     | 0.004838 (0.0031740, 0.0068130) |
| Bali     | Other unintentional injuries                  | 20  | 930.3 (554.3, 1,449.5)     | 0.006091 (0.0036293, 0.0094909) | 314.6 (169.1, 519.2)       | 0.002058 (0.0011063, 0.0033957) |
| Bali     | Diarrheal diseases                            | 25  | 289.4 (167.5, 465.5)       | 0.001649 (0.0009547, 0.0026530) | 207.4 (116.0, 329.2)       | 0.001186 (0.0006634, 0.0018824) |
| Bali     | HIV/AIDS                                      | 25  | 1,325.6 (812.0, 1,989.9)   | 0.007555 (0.0046278, 0.0113401) | 637.2 (376.6, 986.5)       | 0.003643 (0.0021533, 0.0056406) |
| Bali     | Lower respiratory infections                  | 25  | 293.7 (169.4, 468.1)       | 0.001674 (0.0009654, 0.0026675) | 124.2 (67.0, 201.5)        | 0.000710 (0.0003829, 0.0011522) |
| Bali     | Malaria                                       | 25  | 32.9 (2.2, 131.9)          | 0.000188 (0.0000128, 0.0007515) | 15.6 (1.0, 65.9)           | 0.000089 (0.0000060, 0.0003769) |
| Bali     | Tuberculosis                                  | 25  | 1,489.6 (1,001.7, 2,076.3) | 0.008489 (0.0057087, 0.0118325) | 564.3 (347.1, 839.3)       | 0.003226 (0.0019844, 0.0047988) |
| Bali     | Maternal disorders                            | 25  |                            |                                 | 472.5 (256.3, 766.6)       | 0.002702 (0.0014656, 0.0043833) |
| Bali     | Other communicable diseases                   | 25  | 1,396.4 (1,036.7, 1,847.3) | 0.007958 (0.0059081, 0.0105278) | 707.7 (489.3, 1,004.8)     | 0.004046 (0.0027975, 0.0057451) |
| Bali     | Tracheal, bronchus, and lung cancer           | 25  | 298.4 (123.8, 560.2)       | 0.001701 (0.0007056, 0.0031925) | 138.6 (56.6, 265.2)        | 0.000793 (0.0003239, 0.0015162) |
| Bali     | Breast cancer                                 | 25  | 11.6 (3.5, 29.4)           | 0.000066 (0.0000200, 0.0001675) | 585.2 (338.8, 895.7)       | 0.003346 (0.0019369, 0.0051212) |
| Bali     | Cervical cancer                               | 25  |                            |                                 | 424.2 (219.0, 681.2)       | 0.002425 (0.0012520, 0.0038945) |
| Bali     | Other malignant neoplasms                     | 25  | 2,016.2 (1,550.5, 2,585.8) | 0.011490 (0.0088363, 0.0147361) | 1,440.8 (1,025.3, 1,977.5) | 0.008238 (0.0058621, 0.0113065) |
| Bali     | Cerebrovascular disease                       | 25  | 569.1 (421.7, 764.5)       | 0.003244 (0.0024031, 0.0043567) | 405.6 (290.2, 562.3)       | 0.002319 (0.0016592, 0.0032147) |
| Bali     | Ischemic heart disease                        | 25  | 1,268.0 (995.4, 1,635.9)   | 0.007226 (0.0056726, 0.0093230) | 572.2 (414.8, 766.5)       | 0.003272 (0.0023715, 0.0043823) |
| Bali     | Other cardiovascular and circulatory diseases | 25  | 234.7 (153.0, 348.3)       | 0.001337 (0.0008719, 0.0019850) | 225.1 (143.8, 343.4)       | 0.001287 (0.0008219, 0.0019632) |
| Bali     | Diabetes mellitus                             | 25  | 235.8 (158.0, 337.3)       | 0.001344 (0.0009003, 0.0019224) | 187.5 (118.2, 277.1)       | 0.001072 (0.0006758, 0.0015844) |
| Bali     | Chronic kidney disease                        | 25  | 739.1 (517.6, 1,018.7)     | 0.004212 (0.0029500, 0.0058055) | 404.5 (261.7, 601.6)       | 0.002313 (0.0014964, 0.0034398) |
| Bali     | Cirrhosis                                     | 25  | 785.7 (546.0, 1,135.3)     | 0.004478 (0.0031114, 0.0064699) | 348.7 (224.1, 520.8)       | 0.001994 (0.0012816, 0.0029779) |
| Bali     | Chronic respiratory diseases                  | 25  | 821.9 (563.7, 1,152.0)     | 0.004684 (0.0032124, 0.0065654) | 359.3 (228.5, 531.8)       | 0.002054 (0.0013063, 0.0030406) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Other non-communicable diseases               | 25  | 1,388.8 (1,093.0, 1,798.1) | 0.007914 (0.0062287, 0.0102473) | 982.7 (734.7, 1,299.0)     | 0.005619 (0.0042006, 0.0074272) |
| Bali     | Drowning                                      | 25  | 129.1 (36.2, 312.9)        | 0.000736 (0.0002065, 0.0017831) | 31.5 (8.2, 80.4)           | 0.000180 (0.0000471, 0.0004598) |
| Bali     | Falls                                         | 25  | 320.3 (170.5, 554.9)       | 0.001825 (0.0009717, 0.0031626) | 102.6 (48.2, 186.4)        | 0.000587 (0.0002753, 0.0010656) |
| Bali     | Interpersonal violence                        | 25  | 395.8 (130.0, 874.5)       | 0.002256 (0.0007407, 0.0049835) | 182.7 (57.3, 409.5)        | 0.001045 (0.0003277, 0.0023415) |
| Bali     | Self-harm                                     | 25  | 960.7 (534.8, 1,556.3)     | 0.005475 (0.0030476, 0.0088695) | 379.1 (189.8, 639.8)       | 0.002167 (0.0010854, 0.0036581) |
| Bali     | Transport injuries                            | 25  | 1,742.5 (1,171.1, 2,411.8) | 0.009931 (0.0066739, 0.0137445) | 417.4 (249.4, 638.2)       | 0.002387 (0.0014257, 0.0036489) |
| Bali     | Other unintentional injuries                  | 25  | 1,147.0 (737.7, 1,692.9)   | 0.006537 (0.0042044, 0.0096477) | 332.8 (189.0, 539.7)       | 0.001903 (0.0010807, 0.0030858) |
| Bali     | Diarrheal diseases                            | 30  | 319.2 (182.1, 500.0)       | 0.001755 (0.0010012, 0.0027499) | 228.6 (134.4, 365.9)       | 0.001266 (0.0007440, 0.0020259) |
| Bali     | HIV/AIDS                                      | 30  | 1,269.0 (774.0, 1,854.7)   | 0.006979 (0.0042566, 0.0102000) | 631.8 (380.4, 958.9)       | 0.003498 (0.0021059, 0.0053090) |
| Bali     | Lower respiratory infections                  | 30  | 256.0 (152.4, 407.3)       | 0.001408 (0.0008380, 0.0022401) | 117.7 (62.7, 199.4)        | 0.000651 (0.0003474, 0.0011041) |
| Bali     | Malaria                                       | 30  | 28.1 (1.8, 112.1)          | 0.000154 (0.0000101, 0.0006167) | 11.7 (0.8, 51.1)           | 0.000065 (0.0000043, 0.0002827) |
| Bali     | Tuberculosis                                  | 30  | 1,433.9 (970.5, 2,035.6)   | 0.007886 (0.0053374, 0.0111950) | 509.8 (301.5, 781.6)       | 0.002823 (0.0016695, 0.0043274) |
| Bali     | Maternal disorders                            | 30  |                            |                                 | 633.3 (365.3, 976.2)       | 0.003506 (0.0020224, 0.0054049) |
| Bali     | Other communicable diseases                   | 30  | 966.2 (674.4, 1,345.3)     | 0.005314 (0.0037090, 0.0073987) | 506.9 (328.4, 740.0)       | 0.002807 (0.0018181, 0.0040970) |
| Bali     | Tracheal, bronchus, and lung cancer           | 30  | 571.9 (270.6, 995.0)       | 0.003145 (0.0014884, 0.0054723) | 159.6 (72.4, 295.7)        | 0.000884 (0.0004009, 0.0016370) |
| Bali     | Breast cancer                                 | 30  | 14.3 (3.8, 39.6)           | 0.000079 (0.0000209, 0.0002177) | 927.7 (553.2, 1,442.9)     | 0.005136 (0.0030627, 0.0079886) |
| Bali     | Cervical cancer                               | 30  |                            |                                 | 729.9 (415.0, 1,150.7)     | 0.004041 (0.0022975, 0.0063707) |
| Bali     | Other malignant neoplasms                     | 30  | 2,407.3 (1,865.5, 2,978.0) | 0.013239 (0.0102594, 0.0163776) | 1,537.6 (1,076.0, 2,188.1) | 0.008513 (0.0059573, 0.0121147) |
| Bali     | Cerebrovascular disease                       | 30  | 910.5 (695.6, 1,160.0)     | 0.005007 (0.0038253, 0.0063792) | 701.6 (502.2, 979.7)       | 0.003885 (0.0027804, 0.0054243) |
| Bali     | Ischemic heart disease                        | 30  | 1,938.7 (1,541.2, 2,441.8) | 0.010662 (0.0084758, 0.0134288) | 868.9 (625.4, 1,204.2)     | 0.004810 (0.0034625, 0.0066671) |
| Bali     | Other cardiovascular and circulatory diseases | 30  | 284.0 (191.0, 413.7)       | 0.001562 (0.0010507, 0.0022753) | 291.7 (190.2, 454.1)       | 0.001615 (0.0010532, 0.0025140) |
| Bali     | Diabetes mellitus                             | 30  | 389.9 (278.1, 533.9)       | 0.002144 (0.0015296, 0.0029359) | 317.9 (209.6, 455.6)       | 0.001760 (0.0011607, 0.0025227) |
| Bali     | Chronic kidney disease                        | 30  | 812.9 (580.3, 1,116.8)     | 0.004471 (0.0031916, 0.0061421) | 445.4 (285.8, 665.2)       | 0.002466 (0.0015824, 0.0036828) |
| Bali     | Cirrhosis                                     | 30  | 1,015.3 (733.0, 1,424.5)   | 0.005584 (0.0040312, 0.0078340) | 495.4 (324.0, 752.5)       | 0.002743 (0.0017939, 0.0041664) |
| Bali     | Chronic respiratory diseases                  | 30  | 768.0 (521.3, 1,085.3)     | 0.004223 (0.0028667, 0.0059687) | 379.3 (238.9, 569.5)       | 0.002100 (0.0013229, 0.0031531) |
| Bali     | Other non-communicable diseases               | 30  | 1,442.5 (1,138.0, 1,837.3) | 0.007933 (0.0062587, 0.0101044) | 1,102.5 (822.6, 1,502.7)   | 0.006104 (0.0045543, 0.0083199) |
| Bali     | Drowning                                      | 30  | 142.5 (40.0, 348.6)        | 0.000783 (0.0002199, 0.0019169) | 49.0 (13.1, 126.6)         | 0.000271 (0.0000724, 0.0007011) |
| Bali     | Falls                                         | 30  | 378.6 (209.6, 627.2)       | 0.002082 (0.0011526, 0.0034493) | 158.0 (79.6, 267.5)        | 0.000875 (0.0004410, 0.0014811) |
| Bali     | Interpersonal violence                        | 30  | 325.5 (106.4, 729.5)       | 0.001790 (0.0005853, 0.0040117) | 158.4 (48.2, 360.6)        | 0.000877 (0.0002667, 0.0019967) |
| Bali     | Self-harm                                     | 30  | 785.7 (429.1, 1,297.2)     | 0.004321 (0.0023597, 0.0071339) | 315.1 (152.4, 556.1)       | 0.001745 (0.0008437, 0.0030790) |
| Bali     | Transport injuries                            | 30  | 1,506.1 (1,004.8, 2,100.6) | 0.008283 (0.0055257, 0.0115522) | 437.8 (260.0, 682.7)       | 0.002424 (0.0014395, 0.0037798) |
| Bali     | Other unintentional injuries                  | 30  | 1,082.3 (664.7, 1,571.5)   | 0.005952 (0.0036554, 0.0086427) | 361.9 (204.2, 585.4)       | 0.002004 (0.0011307, 0.0032414) |
| Bali     | Diarrheal diseases                            | 35  | 290.5 (173.0, 458.2)       | 0.001518 (0.0009043, 0.0023946) | 268.9 (154.9, 426.9)       | 0.001439 (0.0008286, 0.0022841) |
| Bali     | HIV/AIDS                                      | 35  | 1,253.4 (764.8, 1,869.9)   | 0.006550 (0.0039968, 0.0097719) | 740.0 (438.2, 1,159.8)     | 0.003959 (0.0023446, 0.0062050) |
| Bali     | Lower respiratory infections                  | 35  | 297.8 (181.8, 464.5)       | 0.001556 (0.0009500, 0.0024273) | 171.4 (93.3, 288.0)        | 0.000917 (0.0004994, 0.0015408) |
| Bali     | Malaria                                       | 35  | 25.7 (1.8, 106.9)          | 0.000134 (0.0000096, 0.0005586) | 13.1 (0.9, 60.6)           | 0.000070 (0.0000049, 0.0003244) |
| Bali     | Tuberculosis                                  | 35  | 1,645.3 (1,103.9, 2,294.0) | 0.008598 (0.0057687, 0.0119880) | 693.4 (436.8, 1,055.2)     | 0.003710 (0.0023371, 0.0056452) |
| Bali     | Maternal disorders                            | 35  |                            |                                 | 619.4 (348.3, 995.9)       | 0.003314 (0.0018634, 0.0053283) |
| Bali     | Other communicable diseases                   | 35  | 894.5 (617.3, 1,227.3)     | 0.004675 (0.0032256, 0.0064134) | 616.4 (406.5, 886.6)       | 0.003298 (0.0021747, 0.0047434) |
| Bali     | Tracheal, bronchus, and lung cancer           | 35  | 438.0 (202.9, 793.4)       | 0.002289 (0.0010601, 0.0041463) | 247.0 (120.6, 448.2)       | 0.001322 (0.0006453, 0.0023978) |
| Bali     | Breast cancer                                 | 35  | 26.9 (7.2, 69.2)           | 0.000141 (0.0000377, 0.0003619) | 1,512.7 (946.6, 2,308.7)   | 0.008093 (0.0050641, 0.0123519) |
| Bali     | Cervical cancer                               | 35  |                            |                                 | 1,361.8 (820.7, 2,061.1)   | 0.007286 (0.0043906, 0.0110268) |
| Bali     | Other malignant neoplasms                     | 35  | 3,733.6 (2,887.3, 4,618.9) | 0.019511 (0.0150883, 0.0241371) | 1,897.9 (1,277.3, 2,725.8) | 0.010154 (0.0068339, 0.0145830) |
| Bali     | Cerebrovascular disease                       | 35  | 1,568.8 (1,220.7, 1,960.1) | 0.008198 (0.0063789, 0.0102428) | 1,360.7 (988.2, 1,875.0)   | 0.007280 (0.0052868, 0.0100312) |
| Bali     | Ischemic heart disease                        | 35  | 2,848.7 (2,279.0, 3,523.4) | 0.014887 (0.0119097, 0.0184125) | 1,498.7 (1,083.9, 2,073.7) | 0.008018 (0.0057990, 0.0110947) |
| Bali     | Other cardiovascular and circulatory diseases | 35  | 406.4 (276.8, 593.2)       | 0.002124 (0.0014467, 0.0030999) | 447.3 (291.2, 691.0)       | 0.002393 (0.0015581, 0.0036970) |
| Bali     | Diabetes mellitus                             | 35  | 780.4 (574.4, 1,035.3)     | 0.004078 (0.0030017, 0.0054104) | 684.6 (461.2, 978.5)       | 0.003663 (0.0024677, 0.0052351) |
| Bali     | Chronic kidney disease                        | 35  | 1,033.0 (741.2, 1,417.5)   | 0.005398 (0.0038734, 0.0074074) | 603.1 (387.9, 903.8)       | 0.003227 (0.0020754, 0.0048355) |
| Bali     | Cirrhosis                                     | 35  | 1,363.3 (967.7, 1,877.1)   | 0.007125 (0.0050571, 0.0098091) | 740.9 (479.2, 1,116.6)     | 0.003964 (0.0025636, 0.0059741) |
| Bali     | Chronic respiratory diseases                  | 35  | 1,125.9 (771.2, 1,552.7)   | 0.005884 (0.0040299, 0.0081140) | 530.2 (340.9, 804.5)       | 0.002836 (0.0018238, 0.0043042) |
| Bali     | Other non-communicable diseases               | 35  | 1,641.6 (1,270.0, 2,109.5) | 0.008578 (0.0066366, 0.0110235) | 1,385.2 (1,006.2, 1,898.0) | 0.007411 (0.0053832, 0.0101544) |
| Bali     | Drowning                                      | 35  | 192.8 (51.9, 472.2)        | 0.001008 (0.0002711, 0.0024676) | 83.3 (23.0, 206.5)         | 0.000446 (0.0001231, 0.0011048) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Bali     | Falls                                         | 35  | 414.2         | (228.6, 703.9)     | 0.002164                 | (0.0011947, 0.0036783) | 210.2         | (106.8, 375.6)     | 0.001125                 | (0.0005713, 0.0020094) |
| Bali     | Interpersonal violence                        | 35  | 304.9         | (94.0, 690.1)      | 0.001594                 | (0.0004913, 0.0036063) | 163.2         | (47.3, 375.8)      | 0.000873                 | (0.0002530, 0.0020108) |
| Bali     | Self-harm                                     | 35  | 791.2         | (423.9, 1,313.2)   | 0.004135                 | (0.0022152, 0.0068626) | 343.0         | (166.2, 610.3)     | 0.001835                 | (0.0008892, 0.0032652) |
| Bali     | Transport injuries                            | 35  | 1,299.3       | (833.7, 1,866.2)   | 0.006790                 | (0.0043569, 0.0097524) | 440.0         | (245.4, 687.4)     | 0.002354                 | (0.0013130, 0.0036777) |
| Bali     | Other unintentional injuries                  | 35  | 1,109.0       | (677.7, 1,631.7)   | 0.005795                 | (0.0035413, 0.0085270) | 424.5         | (227.4, 664.9)     | 0.002271                 | (0.0012169, 0.0035570) |
| Bali     | Diarrheal diseases                            | 40  | 315.4         | (188.3, 497.8)     | 0.001920                 | (0.0011462, 0.0030293) | 343.7         | (211.5, 523.6)     | 0.002148                 | (0.0013216, 0.0032712) |
| Bali     | HIV/AIDS                                      | 40  | 686.1         | (370.5, 1,108.6)   | 0.004175                 | (0.0022549, 0.0067468) | 486.9         | (270.1, 786.0)     | 0.003042                 | (0.0016873, 0.0049107) |
| Bali     | Lower respiratory infections                  | 40  | 312.7         | (197.7, 470.0)     | 0.001903                 | (0.0012030, 0.0028606) | 228.9         | (131.2, 363.7)     | 0.001430                 | (0.0008195, 0.0022724) |
| Bali     | Malaria                                       | 40  | 25.1          | (1.7, 96.5)        | 0.000153                 | (0.0000105, 0.0005872) | 13.6          | (0.9, 58.2)        | 0.000085                 | (0.0000058, 0.0003636) |
| Bali     | Tuberculosis                                  | 40  | 1,563.2       | (1,099.3, 2,111.1) | 0.009513                 | (0.0066902, 0.0128480) | 748.6         | (492.5, 1,061.0)   | 0.004677                 | (0.0030773, 0.0066286) |
| Bali     | Maternal disorders                            | 40  |               |                    |                          |                        | 154.3         | (81.5, 268.6)      | 0.000964                 | (0.0005095, 0.0016779) |
| Bali     | Other communicable diseases                   | 40  | 879.4         | (618.4, 1,218.4)   | 0.005352                 | (0.0037631, 0.0074152) | 735.3         | (503.7, 1,033.7)   | 0.004594                 | (0.0031469, 0.0064583) |
| Bali     | Tracheal, bronchus, and lung cancer           | 40  | 712.4         | (394.5, 1,180.9)   | 0.004336                 | (0.0024008, 0.0071866) | 310.1         | (172.4, 522.1)     | 0.001937                 | (0.0010773, 0.0032618) |
| Bali     | Breast cancer                                 | 40  | 40.5          | (12.8, 94.5)       | 0.000247                 | (0.0000777, 0.0005753) | 1,765.7       | (1,097.5, 2,633.1) | 0.011032                 | (0.0068571, 0.0164514) |
| Bali     | Cervical cancer                               | 40  |               |                    |                          |                        | 1,768.0       | (1,124.0, 2,627.9) | 0.011046                 | (0.0070222, 0.0164184) |
| Bali     | Other malignant neoplasms                     | 40  | 4,318.8       | (3,328.6, 5,407.9) | 0.026283                 | (0.0202572, 0.0329116) | 1,855.0       | (1,254.4, 2,664.6) | 0.011590                 | (0.0078370, 0.0166482) |
| Bali     | Cerebrovascular disease                       | 40  | 2,400.2       | (1,898.4, 3,008.6) | 0.014607                 | (0.0115532, 0.0183097) | 2,113.1       | (1,581.8, 2,817.8) | 0.013203                 | (0.0098826, 0.0176054) |
| Bali     | Ischemic heart disease                        | 40  | 4,114.6       | (3,286.1, 5,088.4) | 0.025041                 | (0.0199986, 0.0309668) | 2,149.6       | (1,617.4, 2,828.0) | 0.013430                 | (0.0101051, 0.0176690) |
| Bali     | Other cardiovascular and circulatory diseases | 40  | 536.8         | (365.2, 773.8)     | 0.003267                 | (0.0022223, 0.0047091) | 582.0         | (382.3, 880.6)     | 0.003636                 | (0.0023887, 0.0055021) |
| Bali     | Diabetes mellitus                             | 40  | 1,511.8       | (1,142.9, 2,000.5) | 0.009201                 | (0.0069555, 0.0121748) | 1,282.6       | (886.5, 1,768.5)   | 0.008013                 | (0.0055389, 0.0110492) |
| Bali     | Chronic kidney disease                        | 40  | 1,215.8       | (856.2, 1,671.8)   | 0.007399                 | (0.0052108, 0.0101739) | 675.1         | (435.6, 1,002.8)   | 0.004218                 | (0.0027217, 0.0062652) |
| Bali     | Cirrhosis                                     | 40  | 1,591.2       | (1,127.1, 2,167.5) | 0.009684                 | (0.0068595, 0.0131911) | 886.4         | (580.8, 1,322.6)   | 0.005538                 | (0.0036289, 0.0082632) |
| Bali     | Chronic respiratory diseases                  | 40  | 1,294.2       | (901.4, 1,745.8)   | 0.007877                 | (0.0054859, 0.0106249) | 620.9         | (412.6, 878.2)     | 0.003879                 | (0.0025778, 0.0054871) |
| Bali     | Other non-communicable diseases               | 40  | 1,691.8       | (1,293.2, 2,182.2) | 0.010296                 | (0.0078704, 0.0132807) | 1,436.6       | (1,046.2, 1,908.8) | 0.008976                 | (0.0065366, 0.0119257) |
| Bali     | Drowning                                      | 40  | 100.6         | (26.5, 254.2)      | 0.000612                 | (0.0001614, 0.0015470) | 52.5          | (15.1, 134.9)      | 0.000328                 | (0.0000946, 0.0008429) |
| Bali     | Falls                                         | 40  | 352.5         | (193.6, 595.7)     | 0.002145                 | (0.0011780, 0.0036254) | 203.9         | (107.8, 346.7)     | 0.001274                 | (0.0006733, 0.0021660) |
| Bali     | Interpersonal violence                        | 40  | 219.2         | (62.2, 511.4)      | 0.001334                 | (0.0003784, 0.0031126) | 112.3         | (32.9, 269.7)      | 0.000702                 | (0.0002055, 0.0016848) |
| Bali     | Self-harm                                     | 40  | 639.9         | (340.0, 1,053.5)   | 0.003894                 | (0.0020694, 0.0064112) | 258.0         | (127.6, 452.6)     | 0.001612                 | (0.0007975, 0.0028276) |
| Bali     | Transport injuries                            | 40  | 995.2         | (611.7, 1,447.1)   | 0.006057                 | (0.0037224, 0.0088067) | 364.1         | (209.6, 587.9)     | 0.002275                 | (0.0013095, 0.0036728) |
| Bali     | Other unintentional injuries                  | 40  | 841.8         | (495.9, 1,269.0)   | 0.005123                 | (0.0030182, 0.0077231) | 331.9         | (180.3, 534.0)     | 0.002074                 | (0.0011268, 0.0033366) |
| Bali     | Diarrheal diseases                            | 45  | 300.7         | (175.5, 464.7)     | 0.002277                 | (0.0013291, 0.0035189) | 397.7         | (255.1, 585.4)     | 0.003100                 | (0.0019882, 0.0045631) |
| Bali     | HIV/AIDS                                      | 45  | 346.8         | (162.5, 622.6)     | 0.002626                 | (0.0012302, 0.0047144) | 296.3         | (147.2, 542.8)     | 0.002310                 | (0.0011472, 0.0042307) |
| Bali     | Lower respiratory infections                  | 45  | 373.1         | (235.7, 553.7)     | 0.002825                 | (0.0017851, 0.0041928) | 364.5         | (227.9, 539.2)     | 0.002841                 | (0.0017765, 0.0042028) |
| Bali     | Malaria                                       | 45  | 19.0          | (1.4, 78.9)        | 0.000144                 | (0.0000106, 0.0005973) | 10.7          | (0.8, 48.9)        | 0.000084                 | (0.0000059, 0.0003812) |
| Bali     | Tuberculosis                                  | 45  | 1,495.5       | (1,076.4, 1,974.1) | 0.011325                 | (0.0081504, 0.0149481) | 807.1         | (545.4, 1,092.4)   | 0.006291                 | (0.0042510, 0.0085148) |
| Bali     | Maternal disorders                            | 45  |               |                    |                          |                        | 88.6          | (36.3, 170.4)      | 0.000691                 | (0.0002831, 0.0013284) |
| Bali     | Other communicable diseases                   | 45  | 743.1         | (507.6, 1,070.0)   | 0.005627                 | (0.0038434, 0.0081024) | 790.0         | (558.0, 1,096.3)   | 0.006158                 | (0.0043497, 0.0085455) |
| Bali     | Tracheal, bronchus, and lung cancer           | 45  | 783.0         | (466.0, 1,216.5)   | 0.005929                 | (0.0035285, 0.0092114) | 381.8         | (227.2, 600.5)     | 0.002976                 | (0.0017707, 0.0046805) |
| Bali     | Breast cancer                                 | 45  | 45.4          | (17.5, 95.0)       | 0.000344                 | (0.0001328, 0.0007195) | 1,520.7       | (958.4, 2,250.9)   | 0.011853                 | (0.0074701, 0.0175443) |
| Bali     | Cervical cancer                               | 45  |               |                    |                          |                        | 2,021.7       | (1,350.3, 2,835.9) | 0.015758                 | (0.0105247, 0.0221048) |
| Bali     | Other malignant neoplasms                     | 45  | 3,834.9       | (2,857.9, 4,898.4) | 0.029038                 | (0.0216404, 0.0370915) | 1,640.0       | (1,136.0, 2,254.3) | 0.012783                 | (0.0088545, 0.0175715) |
| Bali     | Cerebrovascular disease                       | 45  | 3,021.9       | (2,344.6, 3,785.9) | 0.022883                 | (0.0177539, 0.0286678) | 3,180.8       | (2,477.9, 4,019.5) | 0.024793                 | (0.0193142, 0.0313303) |
| Bali     | Ischemic heart disease                        | 45  | 4,325.6       | (3,406.3, 5,385.6) | 0.032754                 | (0.0257928, 0.0407808) | 2,669.5       | (2,068.2, 3,417.5) | 0.020808                 | (0.0161209, 0.0266379) |
| Bali     | Other cardiovascular and circulatory diseases | 45  | 611.1         | (416.6, 886.2)     | 0.004627                 | (0.0031548, 0.0067102) | 736.2         | (510.6, 1,042.5)   | 0.005739                 | (0.0039796, 0.0081261) |
| Bali     | Diabetes mellitus                             | 45  | 2,082.9       | (1,531.2, 2,733.0) | 0.015773                 | (0.0115945, 0.0206948) | 1,993.6       | (1,455.8, 2,651.5) | 0.015539                 | (0.0113469, 0.0206669) |
| Bali     | Chronic kidney disease                        | 45  | 1,107.4       | (767.1, 1,540.2)   | 0.008386                 | (0.0058086, 0.0116629) | 671.2         | (445.8, 985.8)     | 0.005232                 | (0.0034751, 0.0076838) |
| Bali     | Cirrhosis                                     | 45  | 1,476.3       | (1,036.0, 2,079.4) | 0.011179                 | (0.0078447, 0.0157453) | 1,011.9       | (686.5, 1,427.2)   | 0.007887                 | (0.0053511, 0.0111241) |
| Bali     | Chronic respiratory diseases                  | 45  | 1,543.7       | (1,110.9, 2,045.3) | 0.011689                 | (0.0084119, 0.0154874) | 830.5         | (587.7, 1,122.0)   | 0.006473                 | (0.0045806, 0.0087451) |
| Bali     | Other non-communicable diseases               | 45  | 1,508.7       | (1,137.6, 1,974.3) | 0.011424                 | (0.0086140, 0.0149494) | 1,489.0       | (1,127.5, 1,929.0) | 0.011606                 | (0.0087885, 0.0150356) |
| Bali     | Drowning                                      | 45  | 71.6          | (17.9, 182.6)      | 0.000542                 | (0.0001357, 0.0013826) | 59.6          | (15.7, 158.6)      | 0.000464                 | (0.0001221, 0.0012361) |
| Bali     | Falls                                         | 45  | 391.1         | (208.0, 658.5)     | 0.002962                 | (0.0015747, 0.0049863) | 327.1         | (175.0, 526.8)     | 0.002550                 | (0.0013643, 0.0041064) |
| Bali     | Interpersonal violence                        | 45  | 160.8         | (49.5, 382.2)      | 0.001217                 | (0.0003752, 0.0028939) | 90.7          | (27.5, 236.3)      | 0.000707                 | (0.0002145, 0.0018421) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Self-harm                                     | 45  | 526.5 (279.5, 915.1)       | 0.003987 (0.0021161, 0.0069290) | 222.0 (106.4, 401.1)       | 0.001730 (0.0008296, 0.0031266) |
| Bali     | Transport injuries                            | 45  | 950.8 (586.2, 1,416.1)     | 0.007199 (0.0044386, 0.0107230) | 465.3 (278.5, 716.8)       | 0.003627 (0.0021705, 0.0055875) |
| Bali     | Other unintentional injuries                  | 45  | 724.0 (439.1, 1,109.0)     | 0.005482 (0.0033246, 0.0083979) | 352.9 (202.3, 554.0)       | 0.002751 (0.0015767, 0.0043182) |
| Bali     | Diarrheal diseases                            | 50  | 401.0 (245.9, 597.0)       | 0.003861 (0.0023673, 0.0057473) | 512.9 (338.4, 730.8)       | 0.004897 (0.0032307, 0.0069772) |
| Bali     | HIV/AIDS                                      | 50  | 142.4 (60.0, 286.8)        | 0.001371 (0.0005776, 0.0027611) | 129.3 (51.9, 254.3)        | 0.001235 (0.0004951, 0.0024275) |
| Bali     | Lower respiratory infections                  | 50  | 490.8 (316.7, 715.4)       | 0.004725 (0.0030489, 0.0068869) | 491.9 (325.5, 714.2)       | 0.004697 (0.0031081, 0.0068185) |
| Bali     | Malaria                                       | 50  | 17.6 (1.2, 74.8)           | 0.000169 (0.0000116, 0.0007205) | 9.9 (0.6, 45.0)            | 0.000094 (0.0000060, 0.0004297) |
| Bali     | Tuberculosis                                  | 50  | 1,512.1 (1,079.8, 2,072.9) | 0.014557 (0.0103958, 0.0199558) | 858.0 (583.1, 1,151.0)     | 0.008192 (0.0055672, 0.0109892) |
| Bali     | Maternal disorders                            | 50  |                            |                                 | 40.0 (10.7, 97.1)          | 0.000382 (0.0001026, 0.0009270) |
| Bali     | Other communicable diseases                   | 50  | 776.4 (535.4, 1,091.4)     | 0.007475 (0.0051544, 0.0105071) | 792.0 (558.9, 1,068.5)     | 0.007562 (0.0053363, 0.0102013) |
| Bali     | Tracheal, bronchus, and lung cancer           | 50  | 1,074.3 (677.3, 1,570.2)   | 0.010342 (0.0065208, 0.0151169) | 409.3 (247.0, 652.0)       | 0.003908 (0.0023582, 0.0062255) |
| Bali     | Breast cancer                                 | 50  | 34.6 (14.3, 67.2)          | 0.000333 (0.0001380, 0.0006473) | 1,196.1 (750.7, 1,801.8)   | 0.011420 (0.0071672, 0.0172027) |
| Bali     | Cervical cancer                               | 50  |                            |                                 | 1,853.6 (1,233.3, 2,632.8) | 0.017697 (0.0117751, 0.0251370) |
| Bali     | Other malignant neoplasms                     | 50  | 2,992.2 (2,206.7, 3,932.2) | 0.028806 (0.0212441, 0.0378555) | 1,534.4 (1,065.6, 2,126.0) | 0.014650 (0.0101737, 0.0202985) |
| Bali     | Cerebrovascular disease                       | 50  | 3,975.0 (3,056.5, 5,081.9) | 0.038268 (0.0294249, 0.0489243) | 4,224.8 (3,293.8, 5,285.4) | 0.040337 (0.0314485, 0.0504640) |
| Bali     | Ischemic heart disease                        | 50  | 5,046.5 (3,892.0, 6,537.8) | 0.048583 (0.0374689, 0.0629401) | 3,117.1 (2,414.7, 3,956.6) | 0.029761 (0.0230551, 0.0377766) |
| Bali     | Other cardiovascular and circulatory diseases | 50  | 747.8 (501.5, 1,067.7)     | 0.007200 (0.0048283, 0.0102787) | 940.0 (661.0, 1,329.5)     | 0.008975 (0.0063110, 0.0126937) |
| Bali     | Diabetes mellitus                             | 50  | 2,564.8 (1,893.0, 3,485.4) | 0.024692 (0.0182245, 0.0335542) | 2,550.9 (1,865.6, 3,379.3) | 0.024355 (0.0178124, 0.0322642) |
| Bali     | Chronic kidney disease                        | 50  | 1,056.9 (730.4, 1,512.1)   | 0.010175 (0.0070316, 0.0145570) | 671.0 (445.0, 1,012.1)     | 0.006407 (0.0042486, 0.0096629) |
| Bali     | Cirrhosis                                     | 50  | 1,504.4 (1,046.0, 2,158.1) | 0.014483 (0.0100702, 0.0207765) | 1,057.1 (734.6, 1,491.2)   | 0.010093 (0.0070141, 0.0142379) |
| Bali     | Chronic respiratory diseases                  | 50  | 1,772.0 (1,259.7, 2,395.0) | 0.017059 (0.0121276, 0.0230573) | 1,101.1 (810.1, 1,461.0)   | 0.010513 (0.0077350, 0.0139491) |
| Bali     | Other non-communicable diseases               | 50  | 1,519.2 (1,124.4, 2,017.5) | 0.014626 (0.0108249, 0.0194231) | 1,543.8 (1,162.5, 1,990.7) | 0.014740 (0.0110989, 0.0190068) |
| Bali     | Drowning                                      | 50  | 55.7 (14.6, 136.7)         | 0.000536 (0.0001402, 0.0013157) | 42.6 (10.8, 115.5)         | 0.000406 (0.0001030, 0.0011023) |
| Bali     | Falls                                         | 50  | 455.0 (261.5, 728.6)       | 0.004381 (0.0025174, 0.0070144) | 353.4 (205.0, 565.1)       | 0.003374 (0.0019571, 0.0053957) |
| Bali     | Interpersonal violence                        | 50  | 110.1 (35.3, 265.2)        | 0.001060 (0.0003399, 0.0025531) | 61.2 (18.3, 156.0)         | 0.000584 (0.0001747, 0.0014893) |
| Bali     | Self-harm                                     | 50  | 395.5 (201.2, 698.3)       | 0.003807 (0.0019374, 0.0067227) | 164.4 (76.3, 307.3)        | 0.001569 (0.0007287, 0.0029337) |
| Bali     | Transport injuries                            | 50  | 734.8 (445.1, 1,132.2)     | 0.007074 (0.0042848, 0.0108999) | 336.7 (200.4, 520.2)       | 0.003214 (0.0019129, 0.0049666) |
| Bali     | Other unintentional injuries                  | 50  | 561.3 (336.0, 874.3)       | 0.005404 (0.0032351, 0.0084166) | 260.6 (145.7, 407.3)       | 0.002489 (0.0013908, 0.0038889) |
| Bali     | Diarrheal diseases                            | 55  | 446.8 (270.6, 667.4)       | 0.005288 (0.0032027, 0.0078986) | 565.8 (372.7, 783.8)       | 0.006822 (0.0044939, 0.0094502) |
| Bali     | HIV/AIDS                                      | 55  | 60.8 (22.1, 130.1)         | 0.000720 (0.0002610, 0.0015398) | 54.5 (19.5, 117.0)         | 0.000657 (0.0002351, 0.0014108) |
| Bali     | Lower respiratory infections                  | 55  | 528.6 (341.3, 787.9)       | 0.006257 (0.0040392, 0.0093252) | 531.7 (357.4, 753.5)       | 0.006411 (0.0043095, 0.0090850) |
| Bali     | Malaria                                       | 55  | 17.2 (1.2, 68.3)           | 0.000203 (0.0000138, 0.0008083) | 9.1 (0.6, 45.3)            | 0.000110 (0.0000068, 0.0005457) |
| Bali     | Tuberculosis                                  | 55  | 1,322.7 (907.5, 1,853.9)   | 0.015655 (0.0107412, 0.0219420) | 715.3 (489.0, 969.1)       | 0.008624 (0.0058952, 0.0116837) |
| Bali     | Other communicable diseases                   | 55  | 768.9 (521.4, 1,116.1)     | 0.009100 (0.0061716, 0.0132103) | 788.3 (559.9, 1,100.3)     | 0.009505 (0.0067511, 0.0132663) |
| Bali     | Tracheal, bronchus, and lung cancer           | 55  | 1,002.0 (642.8, 1,507.7)   | 0.011859 (0.0076079, 0.0178449) | 339.9 (207.8, 534.2)       | 0.004098 (0.0025058, 0.0064405) |
| Bali     | Breast cancer                                 | 55  | 28.9 (12.1, 53.4)          | 0.000342 (0.0001430, 0.0006326) | 921.4 (563.5, 1,394.3)     | 0.011109 (0.0067936, 0.0168107) |
| Bali     | Cervical cancer                               | 55  |                            |                                 | 1,442.1 (938.6, 2,070.7)   | 0.017387 (0.0113160, 0.0249655) |
| Bali     | Other malignant neoplasms                     | 55  | 2,423.2 (1,751.9, 3,249.7) | 0.028680 (0.0207347, 0.0384618) | 1,431.5 (998.1, 1,964.9)   | 0.017259 (0.0120338, 0.0236900) |
| Bali     | Cerebrovascular disease                       | 55  | 4,917.7 (3,720.8, 6,398.0) | 0.058204 (0.0440380, 0.0757249) | 5,251.4 (4,139.8, 6,404.4) | 0.063314 (0.0499119, 0.0772157) |
| Bali     | Ischemic heart disease                        | 55  | 5,866.1 (4,530.3, 7,660.6) | 0.069429 (0.0536191, 0.0906676) | 3,618.8 (2,809.2, 4,508.7) | 0.043630 (0.0338699, 0.0543599) |
| Bali     | Other cardiovascular and circulatory diseases | 55  | 882.9 (589.2, 1,262.3)     | 0.010449 (0.0069735, 0.0149401) | 1,103.6 (777.5, 1,535.9)   | 0.013306 (0.0093742, 0.0185173) |
| Bali     | Diabetes mellitus                             | 55  | 2,812.4 (2,095.6, 3,819.8) | 0.033287 (0.0248032, 0.0452099) | 2,794.4 (2,047.7, 3,606.2) | 0.033691 (0.0246883, 0.0434785) |
| Bali     | Chronic kidney disease                        | 55  | 1,044.5 (714.8, 1,510.9)   | 0.012362 (0.0084606, 0.0178828) | 654.8 (435.4, 958.9)       | 0.007895 (0.0052501, 0.0115618) |
| Bali     | Cirrhosis                                     | 55  | 1,435.3 (984.7, 2,051.9)   | 0.016987 (0.0116540, 0.0242857) | 1,029.9 (710.0, 1,414.4)   | 0.012417 (0.0085606, 0.0170529) |
| Bali     | Chronic respiratory diseases                  | 55  | 1,987.6 (1,428.0, 2,678.2) | 0.023524 (0.0169010, 0.0316987) | 1,232.2 (918.6, 1,600.2)   | 0.014857 (0.0110753, 0.0192928) |
| Bali     | Other non-communicable diseases               | 55  | 1,655.5 (1,235.9, 2,246.4) | 0.019594 (0.0146282, 0.0265878) | 1,687.1 (1,266.9, 2,147.5) | 0.020341 (0.0152745, 0.0258916) |
| Bali     | Drowning                                      | 55  | 42.3 (11.0, 118.6)         | 0.000501 (0.0001298, 0.0014034) | 33.2 (8.4, 88.9)           | 0.000401 (0.0001012, 0.0010723) |
| Bali     | Falls                                         | 55  | 494.9 (280.7, 788.6)       | 0.005857 (0.0033225, 0.0093335) | 387.3 (231.9, 589.0)       | 0.004669 (0.0027962, 0.0071015) |
| Bali     | Interpersonal violence                        | 55  | 79.4 (24.3, 189.8)         | 0.000940 (0.0002874, 0.0022461) | 41.2 (11.5, 101.8)         | 0.000497 (0.0001392, 0.0012276) |
| Bali     | Self-harm                                     | 55  | 322.6 (160.6, 586.9)       | 0.003818 (0.0019004, 0.0069461) | 123.3 (54.3, 231.4)        | 0.001487 (0.0006552, 0.0027895) |
| Bali     | Transport injuries                            | 55  | 483.5 (276.8, 766.3)       | 0.005723 (0.0032766, 0.0090698) | 217.3 (123.3, 341.2)       | 0.002620 (0.0014865, 0.0041133) |
| Bali     | Other unintentional injuries                  | 55  | 442.0 (258.3, 718.8)       | 0.005231 (0.0030566, 0.0085069) | 197.5 (105.7, 316.5)       | 0.002382 (0.0012745, 0.0038155) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Diarrheal diseases                            | 60  | 557.5 (356.1, 846.8)       | 0.008744 (0.0055850, 0.0132828) | 710.5 (496.9, 968.8)       | 0.010361 (0.0072465, 0.0141272) |
| Bali     | HIV/AIDS                                      | 60  | 44.8 (14.3, 99.0)          | 0.000703 (0.0002240, 0.0015522) | 40.7 (11.8, 92.5)          | 0.000593 (0.0001722, 0.0013488) |
| Bali     | Lower respiratory infections                  | 60  | 793.4 (534.2, 1,157.5)     | 0.012445 (0.0083794, 0.0181554) | 836.8 (601.8, 1,120.4)     | 0.012202 (0.0087762, 0.0163386) |
| Bali     | Malaria                                       | 60  | 18.1 (1.2, 76.0)           | 0.000284 (0.0000183, 0.0011929) | 9.4 (0.6, 46.2)            | 0.000137 (0.0000084, 0.0006734) |
| Bali     | Tuberculosis                                  | 60  | 1,536.0 (1,072.9, 2,162.8) | 0.024093 (0.0168284, 0.0339253) | 856.1 (595.4, 1,135.8)     | 0.012484 (0.0086827, 0.0165630) |
| Bali     | Other communicable diseases                   | 60  | 708.2 (478.6, 1,028.3)     | 0.011109 (0.0075073, 0.0161295) | 738.5 (519.0, 1,014.1)     | 0.010770 (0.0075678, 0.0147883) |
| Bali     | Tracheal, bronchus, and lung cancer           | 60  | 921.3 (574.8, 1,415.2)     | 0.014451 (0.0090160, 0.0221975) | 324.5 (198.4, 520.8)       | 0.004731 (0.0028931, 0.0075948) |
| Bali     | Breast cancer                                 | 60  | 22.9 (9.5, 45.9)           | 0.000359 (0.0001494, 0.0007194) | 667.0 (384.8, 1,022.6)     | 0.009727 (0.0056118, 0.0149116) |
| Bali     | Cervical cancer                               | 60  |                            |                                 | 1,214.6 (778.6, 1,759.4)   | 0.017712 (0.0113541, 0.0256568) |
| Bali     | Other malignant neoplasms                     | 60  | 2,331.5 (1,697.6, 3,160.0) | 0.036571 (0.0266283, 0.0495669) | 1,523.6 (1,078.7, 2,041.8) | 0.022218 (0.0157301, 0.0297749) |
| Bali     | Cerebrovascular disease                       | 60  | 5,816.0 (4,464.4, 7,701.9) | 0.091227 (0.0700269, 0.1208079) | 6,446.3 (5,262.4, 7,562.5) | 0.094003 (0.0767391, 0.1102813) |
| Bali     | Ischemic heart disease                        | 60  | 5,973.2 (4,629.1, 7,818.9) | 0.093692 (0.0726096, 0.1226434) | 4,004.2 (3,192.4, 4,805.6) | 0.058392 (0.0465538, 0.0700784) |
| Bali     | Other cardiovascular and circulatory diseases | 60  | 1,030.5 (702.6, 1,484.1)   | 0.016163 (0.0110202, 0.0232781) | 1,281.9 (941.2, 1,720.9)   | 0.018694 (0.0137259, 0.0250959) |
| Bali     | Diabetes mellitus                             | 60  | 2,595.0 (1,895.3, 3,588.1) | 0.040703 (0.0297293, 0.0562814) | 2,678.9 (2,024.4, 3,398.6) | 0.039066 (0.0295215, 0.0495611) |
| Bali     | Chronic kidney disease                        | 60  | 969.1 (664.1, 1,413.1)     | 0.015201 (0.0104162, 0.0221645) | 624.4 (417.6, 903.7)       | 0.009106 (0.0060899, 0.0131783) |
| Bali     | Cirrhosis                                     | 60  | 1,333.6 (919.0, 1,957.3)   | 0.020918 (0.0144154, 0.0307019) | 1,006.8 (701.8, 1,374.7)   | 0.014682 (0.0102348, 0.0200461) |
| Bali     | Chronic respiratory diseases                  | 60  | 2,955.3 (2,202.4, 3,956.9) | 0.046356 (0.0345457, 0.0620662) | 1,780.0 (1,376.7, 2,207.2) | 0.025957 (0.0200764, 0.0321870) |
| Bali     | Other non-communicable diseases               | 60  | 1,987.4 (1,475.6, 2,701.1) | 0.031174 (0.0231461, 0.0423679) | 2,064.3 (1,614.1, 2,544.3) | 0.030102 (0.0235384, 0.0371032) |
| Bali     | Drowning                                      | 60  | 39.7 (10.9, 110.4)         | 0.000623 (0.0001706, 0.0017311) | 33.4 (8.6, 96.7)           | 0.000488 (0.0001255, 0.0014102) |
| Bali     | Falls                                         | 60  | 492.9 (282.4, 776.0)       | 0.007732 (0.0044296, 0.0121720) | 400.1 (243.9, 598.3)       | 0.005835 (0.0035571, 0.0087252) |
| Bali     | Interpersonal violence                        | 60  | 54.9 (16.0, 131.7)         | 0.000861 (0.0002514, 0.0020652) | 28.5 (7.5, 75.1)           | 0.000415 (0.0001091, 0.0010952) |
| Bali     | Self-harm                                     | 60  | 247.7 (122.8, 440.3)       | 0.003886 (0.0019258, 0.0069066) | 92.9 (38.4, 179.1)         | 0.001355 (0.0005603, 0.0026114) |
| Bali     | Transport injuries                            | 60  | 457.2 (266.2, 732.2)       | 0.007171 (0.0041760, 0.0114852) | 210.8 (118.5, 345.3)       | 0.003075 (0.0017278, 0.0050348) |
| Bali     | Other unintentional injuries                  | 60  | 386.7 (224.7, 623.2)       | 0.006065 (0.0035240, 0.0097753) | 174.8 (95.0, 288.9)        | 0.002548 (0.0013848, 0.0042135) |
| Bali     | Diarrheal diseases                            | 65  | 895.0 (594.4, 1,318.8)     | 0.017002 (0.0112913, 0.0250529) | 1,041.7 (766.6, 1,342.8)   | 0.019791 (0.0145652, 0.0255133) |
| Bali     | HIV/AIDS                                      | 65  | 39.7 (14.7, 84.9)          | 0.000755 (0.0002792, 0.0016126) | 34.0 (11.3, 77.1)          | 0.000645 (0.0002152, 0.0014653) |
| Bali     | Lower respiratory infections                  | 65  | 924.6 (619.7, 1,358.7)     | 0.017565 (0.0117728, 0.0258118) | 902.0 (650.2, 1,188.6)     | 0.017137 (0.0123528, 0.0225820) |
| Bali     | Malaria                                       | 65  | 16.1 (1.0, 70.6)           | 0.000306 (0.0000189, 0.0013403) | 7.8 (0.5, 36.8)            | 0.000148 (0.0000087, 0.0006992) |
| Bali     | Tuberculosis                                  | 65  | 1,421.6 (980.4, 2,088.2)   | 0.027006 (0.0186257, 0.0396707) | 743.0 (517.7, 1,002.9)     | 0.014117 (0.0098358, 0.0190543) |
| Bali     | Other communicable diseases                   | 65  | 693.5 (453.2, 1,049.4)     | 0.013175 (0.0086091, 0.0199362) | 660.4 (458.0, 912.2)       | 0.012547 (0.0087026, 0.0173313) |
| Bali     | Tracheal, bronchus, and lung cancer           | 65  | 798.5 (514.0, 1,244.5)     | 0.015169 (0.0097639, 0.0236422) | 231.2 (140.5, 383.7)       | 0.004393 (0.0026689, 0.0072896) |
| Bali     | Breast cancer                                 | 65  | 14.0 (5.4, 27.9)           | 0.000267 (0.0001028, 0.0005292) | 426.2 (238.8, 678.0)       | 0.008098 (0.0045366, 0.0128821) |
| Bali     | Cervical cancer                               | 65  |                            |                                 | 767.3 (476.7, 1,143.8)     | 0.014579 (0.0090567, 0.0217315) |
| Bali     | Other malignant neoplasms                     | 65  | 1,744.2 (1,244.4, 2,383.1) | 0.033135 (0.0236408, 0.0452721) | 1,392.1 (1,007.7, 1,813.3) | 0.026449 (0.0191455, 0.0344512) |
| Bali     | Cerebrovascular disease                       | 65  | 6,239.2 (4,762.5, 8,335.1) | 0.118528 (0.0904753, 0.1583448) | 6,737.3 (5,581.8, 7,811.8) | 0.128004 (0.1060508, 0.1484193) |
| Bali     | Ischemic heart disease                        | 65  | 5,788.3 (4,402.7, 7,664.1) | 0.109962 (0.0836397, 0.1455970) | 3,782.0 (3,012.4, 4,561.7) | 0.071855 (0.0572335, 0.0866703) |
| Bali     | Other cardiovascular and circulatory diseases | 65  | 1,124.3 (753.9, 1,672.1)   | 0.021358 (0.0143213, 0.0317646) | 1,373.5 (998.1, 1,841.4)   | 0.026096 (0.0189631, 0.0349854) |
| Bali     | Diabetes mellitus                             | 65  | 2,032.5 (1,470.6, 2,880.6) | 0.038612 (0.0279379, 0.0547230) | 2,092.2 (1,599.3, 2,675.8) | 0.039751 (0.0303848, 0.0508393) |
| Bali     | Chronic kidney disease                        | 65  | 858.5 (579.3, 1,261.0)     | 0.016309 (0.0110053, 0.0239554) | 551.2 (377.8, 791.8)       | 0.010472 (0.0071775, 0.0150428) |
| Bali     | Cirrhosis                                     | 65  | 1,079.9 (725.4, 1,612.4)   | 0.020515 (0.0137810, 0.0306320) | 803.9 (568.5, 1,110.2)     | 0.015274 (0.0108010, 0.0210935) |
| Bali     | Chronic respiratory diseases                  | 65  | 3,141.6 (2,302.0, 4,240.6) | 0.059683 (0.0437308, 0.0805591) | 1,872.6 (1,458.9, 2,301.2) | 0.035578 (0.0277174, 0.0437214) |
| Bali     | Other non-communicable diseases               | 65  | 2,248.7 (1,654.8, 3,085.2) | 0.042720 (0.0314376, 0.0586098) | 2,286.9 (1,826.9, 2,778.7) | 0.043450 (0.0347095, 0.0527929) |
| Bali     | Drowning                                      | 65  | 37.7 (9.5, 111.3)          | 0.000717 (0.0001812, 0.0021142) | 29.1 (7.0, 91.5)           | 0.000553 (0.0001329, 0.0017376) |
| Bali     | Falls                                         | 65  | 553.7 (324.5, 868.0)       | 0.010518 (0.0061637, 0.0164896) | 413.3 (259.1, 622.0)       | 0.007852 (0.0049222, 0.0118178) |
| Bali     | Interpersonal violence                        | 65  | 37.5 (10.4, 98.1)          | 0.000713 (0.0001971, 0.0018642) | 18.5 (4.5, 53.8)           | 0.000351 (0.0000862, 0.0010223) |
| Bali     | Self-harm                                     | 65  | 188.8 (87.1, 361.3)        | 0.003586 (0.0016553, 0.0068631) | 66.8 (27.3, 138.6)         | 0.001269 (0.0005185, 0.0026336) |
| Bali     | Transport injuries                            | 65  | 387.9 (218.8, 648.7)       | 0.007369 (0.0041560, 0.0123228) | 165.3 (89.5, 274.1)        | 0.003141 (0.0016999, 0.0052070) |
| Bali     | Other unintentional injuries                  | 65  | 340.7 (192.1, 569.2)       | 0.006473 (0.0036485, 0.0108128) | 143.3 (75.4, 240.1)        | 0.002722 (0.0014327, 0.0045610) |
| Bali     | Diarrheal diseases                            | 70  | 1,004.7 (689.8, 1,493.6)   | 0.029546 (0.0202847, 0.0439241) | 1,305.1 (1,012.0, 1,630.6) | 0.032963 (0.0255588, 0.0411825) |
| Bali     | HIV/AIDS                                      | 70  | 40.6 (14.6, 87.5)          | 0.001195 (0.0004292, 0.0025737) | 39.9 (13.4, 87.8)          | 0.001007 (0.0003393, 0.0022182) |
| Bali     | Lower respiratory infections                  | 70  | 936.0 (648.6, 1,385.5)     | 0.027527 (0.0190734, 0.0407445) | 1,059.4 (791.5, 1,367.2)   | 0.026758 (0.0199913, 0.0345315) |
| Bali     | Malaria                                       | 70  | 11.3 (0.7, 50.9)           | 0.000333 (0.0000203, 0.0014971) | 6.2 (0.4, 30.1)            | 0.000157 (0.0000093, 0.0007591) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Bali     | Tuberculosis                                  | 70  | 1,100.8 (736.2, 1,600.2)   | 0.032371 (0.0216498, 0.0470581) | 691.1 (487.1, 940.3)       | 0.017454 (0.0123015, 0.0237486) |
| Bali     | Other communicable diseases                   | 70  | 585.6 (388.3, 898.4)       | 0.017223 (0.0114178, 0.0264213) | 619.6 (436.1, 861.0)       | 0.015650 (0.0110142, 0.0217462) |
| Bali     | Tracheal, bronchus, and lung cancer           | 70  | 548.0 (339.6, 871.1)       | 0.016117 (0.0099882, 0.0256183) | 182.4 (108.7, 301.2)       | 0.004608 (0.0027454, 0.0076084) |
| Bali     | Breast cancer                                 | 70  | 7.6 (2.6, 16.8)            | 0.000225 (0.0000773, 0.0004940) | 252.9 (142.2, 407.5)       | 0.006388 (0.0035910, 0.0102925) |
| Bali     | Cervical cancer                               | 70  |                            |                                 | 433.2 (250.6, 667.2)       | 0.010941 (0.0063286, 0.0168523) |
| Bali     | Other malignant neoplasms                     | 70  | 1,083.7 (763.3, 1,514.7)   | 0.031869 (0.0224476, 0.0445443) | 1,111.1 (817.2, 1,408.1)   | 0.028062 (0.0206404, 0.0355631) |
| Bali     | Cerebrovascular disease                       | 70  | 5,283.2 (4,041.3, 7,076.4) | 0.155370 (0.1188463, 0.2081050) | 6,872.0 (5,874.8, 7,849.4) | 0.173563 (0.1483778, 0.1982476) |
| Bali     | Ischemic heart disease                        | 70  | 4,546.7 (3,461.2, 6,155.5) | 0.133710 (0.1017880, 0.1810212) | 3,773.0 (3,101.8, 4,480.0) | 0.095292 (0.0783418, 0.1131483) |
| Bali     | Other cardiovascular and circulatory diseases | 70  | 1,010.2 (677.5, 1,502.5)   | 0.029707 (0.0199228, 0.0441854) | 1,456.3 (1,077.0, 1,911.9) | 0.036782 (0.0272010, 0.0482878) |
| Bali     | Diabetes mellitus                             | 70  | 1,226.2 (880.9, 1,754.7)   | 0.036060 (0.0259050, 0.0516013) | 1,541.2 (1,193.8, 1,930.0) | 0.038925 (0.0301512, 0.0487455) |
| Bali     | Chronic kidney disease                        | 70  | 600.4 (403.6, 906.0)       | 0.017656 (0.0118692, 0.0266451) | 470.6 (324.9, 682.0)       | 0.011887 (0.0082050, 0.0172253) |
| Bali     | Cirrhosis                                     | 70  | 748.8 (498.9, 1,127.7)     | 0.022022 (0.0146730, 0.0331623) | 670.3 (481.5, 939.4)       | 0.016930 (0.0121616, 0.0237253) |
| Bali     | Chronic respiratory diseases                  | 70  | 3,080.2 (2,293.5, 4,146.1) | 0.090583 (0.0674486, 0.1219276) | 2,147.5 (1,725.7, 2,588.8) | 0.054239 (0.0435864, 0.0653843) |
| Bali     | Other non-communicable diseases               | 70  | 2,046.0 (1,502.2, 2,808.3) | 0.060169 (0.0441759, 0.0825872) | 2,483.7 (2,014.1, 2,972.9) | 0.062730 (0.0508699, 0.0750842) |
| Bali     | Drowning                                      | 70  | 51.0 (14.0, 133.0)         | 0.001500 (0.0004123, 0.0039100) | 43.3 (11.5, 115.6)         | 0.001093 (0.0002907, 0.0029198) |
| Bali     | Falls                                         | 70  | 493.0 (289.6, 747.5)       | 0.014499 (0.0085162, 0.0219821) | 413.7 (269.2, 588.0)       | 0.010449 (0.0067993, 0.0148515) |
| Bali     | Interpersonal violence                        | 70  | 20.3 (5.0, 53.7)           | 0.000596 (0.0001482, 0.0015791) | 11.7 (2.6, 36.2)           | 0.000295 (0.0000662, 0.0009151) |
| Bali     | Self-harm                                     | 70  | 120.8 (55.6, 235.0)        | 0.003552 (0.0016354, 0.0069096) | 50.2 (19.3, 104.5)         | 0.001268 (0.0004871, 0.0026395) |
| Bali     | Transport injuries                            | 70  | 291.8 (160.3, 486.1)       | 0.008581 (0.0047135, 0.0142940) | 140.9 (76.2, 229.6)        | 0.003558 (0.0019254, 0.0057994) |
| Bali     | Other unintentional injuries                  | 70  | 258.7 (140.8, 426.7)       | 0.007607 (0.0041413, 0.0125498) | 124.9 (66.4, 217.5)        | 0.003154 (0.0016770, 0.0054930) |
| Bali     | Diarrheal diseases                            | 75  | 783.8 (530.1, 1,158.1)     | 0.037923 (0.0256489, 0.0560275) | 1,265.8 (993.9, 1,534.2)   | 0.045498 (0.0357277, 0.0551481) |
| Bali     | HIV/AIDS                                      | 75  | 19.7 (7.3, 43.0)           | 0.000955 (0.0003533, 0.0020799) | 24.9 (8.8, 53.2)           | 0.000895 (0.0003162, 0.0019117) |
| Bali     | Lower respiratory infections                  | 75  | 634.4 (423.9, 961.4)       | 0.030694 (0.0205084, 0.0465128) | 888.5 (671.3, 1,162.1)     | 0.031938 (0.0241315, 0.0417736) |
| Bali     | Malaria                                       | 75  | 7.0 (0.5, 30.4)            | 0.000340 (0.0000232, 0.0014729) | 5.3 (0.3, 25.7)            | 0.000190 (0.0000117, 0.0009242) |
| Bali     | Tuberculosis                                  | 75  | 558.6 (359.2, 837.1)       | 0.027023 (0.0173781, 0.0405010) | 484.5 (341.4, 658.1)       | 0.017414 (0.0122707, 0.0236557) |
| Bali     | Other communicable diseases                   | 75  | 376.9 (233.6, 594.6)       | 0.018233 (0.0113023, 0.0287665) | 481.3 (333.7, 691.7)       | 0.017299 (0.0119953, 0.0248618) |
| Bali     | Tracheal, bronchus, and lung cancer           | 75  | 282.9 (176.7, 454.6)       | 0.013687 (0.0085491, 0.0219950) | 118.8 (69.6, 194.1)        | 0.004271 (0.0025003, 0.0069775) |
| Bali     | Breast cancer                                 | 75  | 3.3 (1.0, 8.0)             | 0.000162 (0.0000503, 0.0003858) | 145.6 (80.0, 240.0)        | 0.005233 (0.0028758, 0.0086257) |
| Bali     | Cervical cancer                               | 75  |                            |                                 | 222.9 (125.2, 365.0)       | 0.008012 (0.0045002, 0.0131211) |
| Bali     | Other malignant neoplasms                     | 75  | 543.6 (375.1, 782.0)       | 0.026298 (0.0181481, 0.0378338) | 838.4 (614.4, 1,068.7)     | 0.030137 (0.0220844, 0.0384145) |
| Bali     | Cerebrovascular disease                       | 75  | 3,520.7 (2,668.1, 4,848.3) | 0.170332 (0.1290834, 0.2345617) | 6,007.5 (5,176.9, 6,852.5) | 0.215944 (0.1860861, 0.2463166) |
| Bali     | Ischemic heart disease                        | 75  | 3,167.7 (2,374.2, 4,392.0) | 0.153257 (0.1148670, 0.2124861) | 3,618.3 (3,024.0, 4,228.9) | 0.130062 (0.1086992, 0.1520100) |
| Bali     | Other cardiovascular and circulatory diseases | 75  | 680.0 (453.1, 1,032.9)     | 0.032897 (0.0219216, 0.0499717) | 1,315.9 (987.0, 1,735.0)   | 0.047301 (0.0354787, 0.0623654) |
| Bali     | Diabetes mellitus                             | 75  | 669.1 (466.5, 984.1)       | 0.032372 (0.0225693, 0.0476123) | 1,140.4 (883.8, 1,445.0)   | 0.040991 (0.0317690, 0.0519419) |
| Bali     | Chronic kidney disease                        | 75  | 343.2 (230.6, 519.8)       | 0.016604 (0.0111578, 0.0251473) | 372.8 (253.3, 524.7)       | 0.013402 (0.0091056, 0.0188620) |
| Bali     | Cirrhosis                                     | 75  | 443.1 (292.7, 673.4)       | 0.021437 (0.0141616, 0.0325772) | 509.6 (365.3, 711.5)       | 0.018317 (0.0131315, 0.0255738) |
| Bali     | Chronic respiratory diseases                  | 75  | 1,950.8 (1,429.8, 2,699.6) | 0.094379 (0.0691722, 0.1306065) | 1,809.8 (1,452.2, 2,163.0) | 0.065054 (0.0521996, 0.0777501) |
| Bali     | Other non-communicable diseases               | 75  | 1,552.3 (1,130.0, 2,171.9) | 0.075101 (0.0546678, 0.1050795) | 2,492.2 (2,036.0, 2,933.4) | 0.089583 (0.0731845, 0.1054427) |
| Bali     | Drowning                                      | 75  | 48.9 (13.8, 116.4)         | 0.002367 (0.0006657, 0.0056322) | 44.1 (12.5, 101.6)         | 0.001584 (0.0004489, 0.0036538) |
| Bali     | Falls                                         | 75  | 392.0 (234.7, 619.7)       | 0.018963 (0.0113548, 0.0299831) | 372.8 (247.2, 520.0)       | 0.013400 (0.0088851, 0.0186918) |
| Bali     | Interpersonal violence                        | 75  | 8.9 (1.7, 28.3)            | 0.000432 (0.0000836, 0.0013694) | 6.8 (1.4, 21.2)            | 0.000244 (0.0000489, 0.0007636) |
| Bali     | Self-harm                                     | 75  | 64.6 (28.0, 133.1)         | 0.003127 (0.0013562, 0.0064388) | 37.0 (13.6, 78.5)          | 0.001329 (0.0004898, 0.0028208) |
| Bali     | Transport injuries                            | 75  | 139.0 (72.0, 244.1)        | 0.006727 (0.0034853, 0.0118096) | 79.3 (41.8, 133.5)         | 0.002849 (0.0015019, 0.0048003) |
| Bali     | Other unintentional injuries                  | 75  | 153.2 (79.8, 267.9)        | 0.007412 (0.0038605, 0.0129615) | 91.8 (46.5, 162.8)         | 0.003301 (0.0016706, 0.0058528) |
| Bali     | Diarrheal diseases                            | 80  | 1,573.8 (1,208.2, 2,091.1) | 0.096091 (0.0737684, 0.1276776) | 2,534.2 (2,081.9, 3,028.0) | 0.115578 (0.0949523, 0.1380990) |
| Bali     | HIV/AIDS                                      | 80  | 24.0 (7.1, 62.1)           | 0.001468 (0.0004332, 0.0037943) | 31.7 (8.6, 80.5)           | 0.001445 (0.0003942, 0.0036698) |
| Bali     | Lower respiratory infections                  | 80  | 891.0 (641.6, 1,249.9)     | 0.054403 (0.0391761, 0.0763142) | 1,301.5 (993.7, 1,670.0)   | 0.059359 (0.0453222, 0.0761643) |
| Bali     | Malaria                                       | 80  | 8.8 (0.5, 40.8)            | 0.000536 (0.0000330, 0.0024884) | 7.0 (0.4, 34.6)            | 0.000320 (0.0000187, 0.0015781) |
| Bali     | Tuberculosis                                  | 80  | 586.1 (398.9, 826.9)       | 0.035786 (0.0243545, 0.0504899) | 572.0 (398.1, 770.9)       | 0.026090 (0.0181550, 0.0351588) |
| Bali     | Other communicable diseases                   | 80  | 522.6 (350.2, 764.6)       | 0.031907 (0.0213850, 0.0466836) | 657.6 (457.5, 932.8)       | 0.029993 (0.0208649, 0.0425422) |
| Bali     | Tracheal, bronchus, and lung cancer           | 80  | 254.9 (154.7, 411.0)       | 0.015566 (0.0094439, 0.0250948) | 124.1 (66.2, 213.5)        | 0.005661 (0.0030184, 0.0097394) |
| Bali     | Breast cancer                                 | 80  | 3.0 (0.8, 7.8)             | 0.000183 (0.0000508, 0.0004757) | 123.6 (58.4, 222.6)        | 0.005638 (0.0026624, 0.0101506) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                         |                                  | Females                       |                                  |
|---------------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
|                     |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)         | YLLs (95% UI)                 | YLLs per capita (95% UI)         |
| Bali                | Cervical cancer                                          | 80  |                               |                                  | 172.0 (81.8, 309.3)           | 0.007843 (0.0037293, 0.0141077)  |
| Bali                | Other malignant neoplasms                                | 80  | 533.1 (381.9, 725.6)          | 0.032549 (0.0233165, 0.0443033)  | 867.3 (645.3, 1,121.4)        | 0.039558 (0.0294298, 0.0511457)  |
| Bali                | Cerebrovascular disease                                  | 80  | 4,358.5 (3,564.2, 5,470.9)    | 0.266116 (0.2176211, 0.3340420)  | 7,923.5 (7,060.5, 8,855.2)    | 0.361374 (0.3220135, 0.4038665)  |
| Bali                | Ischemic heart disease                                   | 80  | 3,525.1 (2,818.6, 4,457.2)    | 0.215237 (0.1720975, 0.2721463)  | 4,601.0 (3,902.4, 5,295.5)    | 0.209844 (0.1779792, 0.2415147)  |
| Bali                | Other cardiovascular and circulatory diseases            | 80  | 777.8 (545.2, 1,110.1)        | 0.047490 (0.0332903, 0.0677826)  | 1,585.7 (1,202.0, 2,046.3)    | 0.072320 (0.0548209, 0.0933282)  |
| Bali                | Diabetes mellitus                                        | 80  | 643.7 (477.5, 879.5)          | 0.039300 (0.0291577, 0.0536986)  | 1,193.5 (924.1, 1,524.9)      | 0.054433 (0.0421485, 0.0695474)  |
| Bali                | Chronic kidney disease                                   | 80  | 337.2 (234.6, 475.5)          | 0.020591 (0.0143224, 0.0290339)  | 402.6 (269.6, 568.6)          | 0.018361 (0.0122938, 0.0259344)  |
| Bali                | Cirrhosis                                                | 80  | 463.7 (316.4, 677.0)          | 0.028310 (0.0193209, 0.0413370)  | 561.1 (398.2, 778.8)          | 0.025590 (0.0181608, 0.0355196)  |
| Bali                | Chronic respiratory diseases                             | 80  | 2,355.3 (1,867.3, 2,997.9)    | 0.143808 (0.1140128, 0.1830430)  | 2,256.5 (1,844.2, 2,696.8)    | 0.102914 (0.0841122, 0.1229972)  |
| Bali                | Other non-communicable diseases                          | 80  | 2,108.3 (1,648.4, 2,745.0)    | 0.128727 (0.1006483, 0.1676022)  | 3,585.4 (2,987.3, 4,198.3)    | 0.163523 (0.1362451, 0.1914766)  |
| Bali                | Drowning                                                 | 80  | 57.7 (14.4, 150.9)            | 0.003524 (0.0008791, 0.0092135)  | 49.0 (12.4, 126.1)            | 0.002236 (0.0005669, 0.0057533)  |
| Bali                | Falls                                                    | 80  | 594.5 (392.0, 867.6)          | 0.036296 (0.0239359, 0.0529754)  | 551.2 (376.5, 759.3)          | 0.025140 (0.0171724, 0.0346322)  |
| Bali                | Interpersonal violence                                   | 80  | 7.2 (1.1, 26.8)               | 0.000437 (0.0000654, 0.0016373)  | 5.9 (0.9, 22.5)               | 0.000268 (0.0000411, 0.0010256)  |
| Bali                | Self-harm                                                | 80  | 62.8 (24.6, 135.5)            | 0.003835 (0.0015046, 0.0082729)  | 39.4 (12.8, 87.6)             | 0.001795 (0.0005852, 0.0039933)  |
| Bali                | Transport injuries                                       | 80  | 136.0 (67.5, 246.6)           | 0.008304 (0.0041191, 0.0150580)  | 77.7 (36.2, 142.0)            | 0.003543 (0.0016490, 0.0064748)  |
| Bali                | Other unintentional injuries                             | 80  | 158.6 (78.6, 273.9)           | 0.009683 (0.0048019, 0.0167242)  | 97.7 (45.9, 184.3)            | 0.004458 (0.0020938, 0.0084050)  |
| Bali                | Diarrheal diseases                                       | All | 11,199.3 (7,918.5, 15,472.8)  | 0.005363 (0.0037920, 0.0074095)  | 13,632.7 (10,436.0, 17,580.6) | 0.006636 (0.0050800, 0.0085579)  |
| Bali                | HIV/AIDS                                                 | All | 7,103.0 (4,302.9, 10,753.2)   | 0.003401 (0.0020605, 0.0051494)  | 4,459.0 (2,649.9, 7,004.5)    | 0.002171 (0.0012899, 0.0034096)  |
| Bali                | Lower respiratory infections                             | All | 21,962.8 (14,728.3, 31,536.2) | 0.010517 (0.0070530, 0.0151018)  | 16,409.8 (11,699.3, 22,596.3) | 0.007988 (0.0056949, 0.0109994)  |
| Bali                | Malaria                                                  | All | 305.8 (22.7, 1,257.2)         | 0.000146 (0.0000109, 0.0006020)  | 166.0 (12.3, 750.9)           | 0.000081 (0.0000060, 0.0003655)  |
| Bali                | Tuberculosis                                             | All | 17,876.4 (12,806.0, 24,085.4) | 0.008561 (0.0061325, 0.0115338)  | 9,404.9 (6,663.0, 12,471.4)   | 0.004578 (0.0032434, 0.0060708)  |
| Bali                | Maternal disorders                                       | All |                               |                                  | 2,643.8 (1,585.6, 3,963.4)    | 0.001287 (0.0007718, 0.0019293)  |
| Bali                | Neonatal encephalopathy due to birth asphyxia and trauma | All | 19,155.7 (9,049.1, 32,769.0)  | 0.009173 (0.0043334, 0.0156922)  | 10,716.2 (5,045.7, 19,160.8)  | 0.005216 (0.0024561, 0.0093271)  |
| Bali                | Preterm birth complications                              | All | 31,628.1 (15,954.8, 52,818.7) | 0.015146 (0.0076403, 0.0252935)  | 23,069.9 (11,442.4, 39,774.8) | 0.011230 (0.0055699, 0.0193615)  |
| Bali                | Other neonatal disorders                                 | All | 7,047.9 (1,598.6, 17,210.2)   | 0.003375 (0.0007655, 0.0082415)  | 3,761.7 (782.0, 9,927.6)      | 0.001831 (0.0003807, 0.0048326)  |
| Bali                | Other communicable diseases                              | All | 20,221.9 (15,635.7, 26,777.1) | 0.009684 (0.0074875, 0.0128228)  | 16,356.5 (12,371.0, 21,789.3) | 0.007962 (0.0060219, 0.0106065)  |
| Bali                | Tracheal, bronchus, and lung cancer                      | All | 8,149.6 (5,266.0, 11,988.2)   | 0.003903 (0.0025217, 0.0057408)  | 3,146.8 (1,987.8, 4,791.7)    | 0.001532 (0.0009676, 0.0023325)  |
| Bali                | Breast cancer                                            | All | 264.8 (114.2, 520.8)          | 0.000127 (0.0000547, 0.0002494)  | 10,405.2 (6,670.5, 15,408.1)  | 0.005065 (0.0032470, 0.0075003)  |
| Bali                | Cervical cancer                                          | All |                               |                                  | 12,727.3 (8,480.2, 18,068.6)  | 0.006195 (0.0041280, 0.0087954)  |
| Bali                | Other malignant neoplasms                                | All | 33,732.8 (26,210.6, 42,585.6) | 0.016154 (0.0125515, 0.0203931)  | 22,268.7 (16,726.9, 28,297.9) | 0.010840 (0.0081423, 0.0137748)  |
| Bali                | Cerebrovascular disease                                  | All | 43,358.8 (33,853.5, 55,932.9) | 0.020763 (0.0162115, 0.0267848)  | 51,939.2 (43,296.5, 61,260.4) | 0.025283 (0.0210758, 0.0298202)  |
| Bali                | Ischemic heart disease                                   | All | 49,659.1 (38,970.8, 63,813.5) | 0.023780 (0.0186621, 0.0305586)  | 35,057.4 (28,173.2, 42,415.3) | 0.017065 (0.0137141, 0.0206468)  |
| Bali                | Other cardiovascular and circulatory diseases            | All | 8,836.4 (6,206.4, 12,559.5)   | 0.004232 (0.0029721, 0.0060144)  | 11,909.7 (8,705.6, 16,030.8)  | 0.005797 (0.0042377, 0.0078034)  |
| Bali                | Diabetes mellitus                                        | All | 17,996.2 (13,661.3, 24,604.2) | 0.008618 (0.0065420, 0.0117823)  | 18,891.3 (14,319.2, 24,430.6) | 0.009196 (0.0069702, 0.0118923)  |
| Bali                | Chronic kidney disease                                   | All | 11,606.6 (8,355.5, 16,090.0)  | 0.005558 (0.0040012, 0.0077051)  | 7,597.3 (5,222.1, 10,860.7)   | 0.003698 (0.0025420, 0.0052867)  |
| Bali                | Cirrhosis                                                | All | 14,684.3 (10,411.4, 20,281.1) | 0.007032 (0.0049857, 0.0097121)  | 9,934.2 (7,064.8, 13,881.8)   | 0.004836 (0.0034390, 0.0067573)  |
| Bali                | Chronic respiratory diseases                             | All | 24,337.3 (18,370.7, 31,840.9) | 0.011655 (0.0087973, 0.0152478)  | 15,677.7 (12,426.9, 19,312.7) | 0.007632 (0.0060491, 0.0094010)  |
| Bali                | Other non-communicable diseases                          | All | 39,369.5 (29,811.3, 50,792.0) | 0.018853 (0.0142758, 0.0243229)  | 39,067.6 (30,907.1, 49,289.5) | 0.019017 (0.0150449, 0.0239930)  |
| Bali                | Drowning                                                 | All | 5,170.7 (2,114.8, 9,570.4)    | 0.002476 (0.0010127, 0.0045830)  | 1,857.5 (667.4, 3,677.2)      | 0.000904 (0.0003249, 0.0017900)  |
| Bali                | Falls                                                    | All | 7,443.6 (4,668.0, 11,333.3)   | 0.003565 (0.0022354, 0.0054272)  | 4,710.3 (3,057.5, 6,919.9)    | 0.002293 (0.0014883, 0.0033685)  |
| Bali                | Interpersonal violence                                   | All | 3,182.7 (1,051.8, 6,993.7)    | 0.001524 (0.0005037, 0.0033491)  | 1,775.4 (548.8, 3,874.5)      | 0.000864 (0.0002671, 0.0018860)  |
| Bali                | Self-harm                                                | All | 7,613.7 (4,368.3, 12,455.0)   | 0.003646 (0.0020919, 0.0059644)  | 3,395.5 (1,775.1, 5,561.6)    | 0.001653 (0.0008641, 0.0027073)  |
| Bali                | Transport injuries                                       | All | 17,982.8 (12,523.9, 24,783.2) | 0.008612 (0.0059974, 0.0118680)  | 6,314.7 (4,188.0, 8,900.9)    | 0.003074 (0.0020386, 0.0043328)  |
| Bali                | Other unintentional injuries                             | All | 13,780.2 (8,760.7, 19,638.0)  | 0.006599 (0.0041953, 0.0094041)  | 5,305.7 (3,173.8, 7,779.1)    | 0.002583 (0.0015449, 0.0037867)  |
| Nusa Tenggara Barat | Diarrheal diseases                                       | NN  | 1,411.0 (579.0, 2,659.4)      | 0.323223 (0.1326197, 0.6091872)  | 1,147.2 (472.6, 2,291.1)      | 0.281192 (0.1158320, 0.5615892)  |
| Nusa Tenggara Barat | Lower respiratory infections                             | NN  | 19,172.0 (9,330.6, 32,041.1)  | 4.391685 (2.1373520, 7.3395948)  | 10,925.2 (5,288.7, 19,142.3)  | 2.677981 (1.2963520, 4.6921420)  |
| Nusa Tenggara Barat | Malaria                                                  | NN  | 118.4 (28.1, 326.6)           | 0.027125 (0.0064257, 0.0748089)  | 65.0 (15.0, 179.4)            | 0.015944 (0.0036706, 0.0439666)  |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 33,148.8 (15,540.8, 54,478.2) | 7.593325 (3.5598910, 12.4792004) | 20,896.0 (9,487.6, 37,956.6)  | 5.122017 (2.3255961, 9.3038998)  |
| Nusa Tenggara Barat | Preterm birth complications                              | NN  | 42,559.2 (20,619.7, 71,161.4) | 9.748948 (4.7233028, 16.3007793) | 34,951.9 (17,130.2, 61,989.4) | 8.567393 (4.1989331, 15.1948004) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | NN  | 13,197.9 (4,561.1, 26,924.4)  | 3.023212 (1.0448050, 6.1675119)  | 7,824.3 (2,649.3, 17,489.1)   | 1.917883 (0.6493909, 4.2869172)  |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                        |                                 | Females                      |                                 |
|---------------------|----------------------------------------------------------|-----|------------------------------|---------------------------------|------------------------------|---------------------------------|
|                     |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Other communicable diseases                              | NN  | 1,550.0 (614.8, 2,952.3)     | 0.355061 (0.1408200, 0.6762691) | 897.2 (361.1, 1,801.3)       | 0.219925 (0.0885045, 0.4415287) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | NN  | 1,630.3 (641.3, 3,052.6)     | 0.373447 (0.1468981, 0.6992480) | 1,159.6 (469.1, 2,427.2)     | 0.284245 (0.1149882, 0.5949593) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | NN  | 213.9 (51.2, 539.5)          | 0.049009 (0.0117265, 0.1235893) | 207.6 (50.2, 538.5)          | 0.050895 (0.0123138, 0.1319994) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | NN  | 189.1 (44.4, 487.0)          | 0.043313 (0.0101656, 0.1115607) | 171.9 (38.0, 444.0)          | 0.042131 (0.0093032, 0.1088422) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | NN  | 76.7 (0.4, 646.8)            | 0.017574 (0.0000826, 0.1481535) | 90.2 (0.4, 738.9)            | 0.022121 (0.0001099, 0.1811259) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | NN  | 17,855.9 (8,933.9, 28,678.5) | 4.090225 (2.0464690, 6.5693169) | 14,877.2 (7,402.1, 25,062.2) | 3.646680 (1.8143960, 6.1432190) |
| Nusa Tenggara Barat | Drowning                                                 | NN  | 1,118.8 (376.7, 2,501.2)     | 0.256277 (0.0862931, 0.5729356) | 277.8 (87.6, 681.6)          | 0.068087 (0.0214697, 0.1670661) |
| Nusa Tenggara Barat | Falls                                                    | NN  | 633.5 (208.8, 1,402.4)       | 0.145108 (0.0478257, 0.3212455) | 210.9 (68.2, 523.7)          | 0.051698 (0.0167167, 0.1283670) |
| Nusa Tenggara Barat | Interpersonal violence                                   | NN  | 484.0 (140.9, 1,141.9)       | 0.110867 (0.0322838, 0.2615728) | 244.3 (64.8, 600.9)          | 0.059892 (0.0158857, 0.1472822) |
| Nusa Tenggara Barat | Transport injuries                                       | NN  | 1,313.0 (499.4, 2,702.9)     | 0.300776 (0.1144019, 0.6191392) | 312.0 (112.1, 732.5)         | 0.076466 (0.0274764, 0.1795384) |
| Nusa Tenggara Barat | Other unintentional injuries                             | NN  | 2,637.1 (1,108.0, 4,976.1)   | 0.604084 (0.2538047, 1.1398560) | 799.7 (312.9, 1,682.4)       | 0.196027 (0.0766981, 0.4123767) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | PNN | 587.1 (274.7, 1,014.1)       | 0.010776 (0.0050419, 0.0186121) | 593.4 (275.7, 1,085.8)       | 0.011654 (0.0054150, 0.0213241) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | PNN | 65.0 (20.3, 154.6)           | 0.001193 (0.0003720, 0.0028377) | 44.3 (13.4, 112.8)           | 0.000870 (0.0002638, 0.0022152) |
| Nusa Tenggara Barat | Lower respiratory infections                             | PNN | 520.7 (253.6, 881.3)         | 0.009556 (0.0046542, 0.0161750) | 363.8 (169.2, 656.0)         | 0.007144 (0.0033232, 0.0128835) |
| Nusa Tenggara Barat | Malaria                                                  | PNN | 48.0 (12.1, 127.2)           | 0.000881 (0.0002227, 0.0023351) | 33.0 (8.3, 92.9)             | 0.000648 (0.0001627, 0.0018244) |
| Nusa Tenggara Barat | Tuberculosis                                             | PNN | 141.5 (64.3, 263.6)          | 0.002598 (0.0011804, 0.0048368) | 97.8 (42.2, 198.1)           | 0.001921 (0.0008279, 0.0038910) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 31.2 (8.9, 81.8)             | 0.000573 (0.0001636, 0.0015021) | 22.9 (5.8, 57.9)             | 0.000449 (0.0001141, 0.0011371) |
| Nusa Tenggara Barat | Preterm birth complications                              | PNN | 122.6 (46.1, 258.3)          | 0.002251 (0.0008462, 0.0047399) | 134.6 (46.9, 287.1)          | 0.002644 (0.0009218, 0.0056375) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | PNN | 46.5 (11.7, 122.4)           | 0.000853 (0.0002145, 0.0022472) | 32.8 (7.9, 88.7)             | 0.000645 (0.0001560, 0.0017421) |
| Nusa Tenggara Barat | Other communicable diseases                              | PNN | 716.1 (351.6, 1,230.1)       | 0.013142 (0.0064533, 0.0225760) | 516.2 (234.5, 914.6)         | 0.010137 (0.0046059, 0.0179615) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | PNN | 31.9 (13.3, 59.2)            | 0.000585 (0.0002450, 0.0010858) | 26.8 (10.8, 54.2)            | 0.000527 (0.0002121, 0.0010642) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | PNN | 4.2 (1.1, 10.8)              | 0.000077 (0.0000210, 0.0001978) | 4.8 (1.2, 12.8)              | 0.000094 (0.0000237, 0.0002512) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | PNN | 2.1 (0.1, 9.9)               | 0.000038 (0.0000026, 0.0001809) | 2.3 (0.2, 10.1)              | 0.000044 (0.0000030, 0.0001979) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | PNN | 3.7 (0.9, 9.8)               | 0.000068 (0.0000163, 0.0001796) | 4.0 (0.9, 10.3)              | 0.000078 (0.0000176, 0.0002021) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | PNN | 1.5 (0.0, 10.9)              | 0.000027 (0.0000001, 0.0002008) | 2.1 (0.0, 16.9)              | 0.000041 (0.0000002, 0.0003328) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | PNN | 24.6 (9.1, 53.0)             | 0.000452 (0.0001677, 0.0009722) | 20.3 (7.4, 46.8)             | 0.000399 (0.0001462, 0.0009196) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | PNN | 346.8 (173.8, 573.1)         | 0.006364 (0.0031905, 0.0105172) | 341.1 (158.4, 602.7)         | 0.006699 (0.0031103, 0.0118369) |
| Nusa Tenggara Barat | Drowning                                                 | PNN | 26.9 (9.5, 59.3)             | 0.000493 (0.0001737, 0.0010887) | 7.9 (2.4, 18.9)              | 0.000155 (0.0000464, 0.0003706) |
| Nusa Tenggara Barat | Falls                                                    | PNN | 14.6 (5.2, 31.5)             | 0.000268 (0.0000958, 0.0005772) | 5.7 (1.7, 13.4)              | 0.000112 (0.0000341, 0.0002630) |
| Nusa Tenggara Barat | Interpersonal violence                                   | PNN | 10.9 (3.4, 25.1)             | 0.000201 (0.0000630, 0.0004612) | 6.5 (1.8, 15.2)              | 0.000128 (0.0000351, 0.0002992) |
| Nusa Tenggara Barat | Transport injuries                                       | PNN | 31.1 (13.1, 61.0)            | 0.000570 (0.0002405, 0.0011192) | 8.7 (3.2, 18.3)              | 0.000171 (0.0000637, 0.0003602) |
| Nusa Tenggara Barat | Other unintentional injuries                             | PNN | 59.7 (26.6, 112.7)           | 0.001097 (0.0004889, 0.0020678) | 21.3 (8.7, 44.0)             | 0.000418 (0.0001718, 0.0008646) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 1   | 4,960.1 (1,925.9, 10,321.5)  | 0.023407 (0.0090888, 0.0487088) | 7,224.8 (3,060.3, 13,898.0)  | 0.035068 (0.0148542, 0.0674582) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 1   | 1,182.3 (307.0, 2,994.8)     | 0.005580 (0.0014486, 0.0141331) | 1,203.7 (328.2, 2,923.7)     | 0.005842 (0.0015931, 0.0141913) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 1   | 9,247.7 (3,651.5, 19,107.1)  | 0.043641 (0.0172320, 0.0901695) | 9,707.9 (4,149.4, 19,508.6)  | 0.047120 (0.0201402, 0.0946909) |
| Nusa Tenggara Barat | Malaria                                                  | 1   | 327.3 (69.1, 960.6)          | 0.001545 (0.0003260, 0.0045333) | 326.5 (80.0, 876.1)          | 0.001585 (0.0003881, 0.0042523) |
| Nusa Tenggara Barat | Tuberculosis                                             | 1   | 2,704.4 (994.3, 5,633.0)     | 0.012763 (0.0046925, 0.0265830) | 2,810.5 (1,090.0, 5,708.3)   | 0.013642 (0.0052909, 0.0277069) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 307.7 (64.4, 857.9)          | 0.001452 (0.0003038, 0.0040487) | 310.6 (68.6, 833.2)          | 0.001508 (0.0003329, 0.0040444) |
| Nusa Tenggara Barat | Preterm birth complications                              | 1   | 236.8 (36.2, 765.8)          | 0.001118 (0.0001710, 0.0036139) | 357.5 (61.6, 1,169.6)        | 0.001735 (0.0002991, 0.0056770) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | 1   | 70.9 (0.5, 466.0)            | 0.000335 (0.0000022, 0.0021991) | 69.5 (0.5, 478.9)            | 0.000337 (0.0000024, 0.0023247) |
| Nusa Tenggara Barat | Other communicable diseases                              | 1   | 13,079.9 (5,163.4, 26,115.8) | 0.061726 (0.0243668, 0.1232444) | 13,877.2 (5,996.0, 26,401.5) | 0.067357 (0.0291035, 0.1281479) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 1   | 366.4 (124.8, 823.8)         | 0.001729 (0.0005888, 0.0038878) | 515.0 (194.3, 1,113.0)       | 0.002500 (0.0009429, 0.0054022) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 1   | 52.6 (11.6, 149.2)           | 0.000248 (0.0000549, 0.0007040) | 100.2 (25.8, 274.6)          | 0.000486 (0.0001254, 0.0013326) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 1   | 26.3 (1.7, 126.2)            | 0.000124 (0.0000080, 0.0005953) | 48.7 (3.1, 238.0)            | 0.000237 (0.0000150, 0.0011551) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 1   | 43.0 (9.3, 118.7)            | 0.000203 (0.0000437, 0.0005603) | 77.2 (17.3, 222.5)           | 0.000375 (0.0000839, 0.0010801) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 1   | 16.9 (0.1, 132.8)            | 0.000080 (0.0000004, 0.0006268) | 41.0 (0.2, 353.4)            | 0.000199 (0.0000010, 0.0017152) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 1   | 272.2 (82.2, 630.8)          | 0.001284 (0.0003881, 0.0029770) | 375.8 (119.1, 846.7)         | 0.001824 (0.0005782, 0.0041099) |
| Nusa Tenggara Barat | Cirrhosis                                                | 1   | 521.3 (141.3, 1,315.1)       | 0.002460 (0.0006669, 0.0062063) | 438.0 (123.3, 1,028.0)       | 0.002126 (0.0005986, 0.0049895) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 1   | 1,391.6 (470.4, 3,077.3)     | 0.006567 (0.0022197, 0.0145224) | 860.1 (295.0, 1,993.3)       | 0.004175 (0.0014319, 0.0096753) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 1   | 3,999.3 (1,558.0, 8,419.3)   | 0.018873 (0.0073524, 0.0397319) | 6,563.7 (2,958.3, 12,677.5)  | 0.031859 (0.0143591, 0.0615343) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Drowning                                      | 1   | 1,480.0 (479.6, 3,464.0)   | 0.006985 (0.0022633, 0.0163473) | 666.3 (215.5, 1,523.1)     | 0.003234 (0.0010459, 0.0073930) |
| Nusa Tenggara Barat | Falls                                         | 1   | 560.0 (176.0, 1,298.7)     | 0.002643 (0.0008308, 0.0061287) | 330.7 (106.9, 737.5)       | 0.001605 (0.0005186, 0.0035796) |
| Nusa Tenggara Barat | Interpersonal violence                        | 1   | 346.5 (94.4, 854.1)        | 0.001635 (0.0004455, 0.0040307) | 312.1 (94.9, 767.7)        | 0.001515 (0.0004606, 0.0037264) |
| Nusa Tenggara Barat | Transport injuries                            | 1   | 1,530.2 (552.2, 3,389.5)   | 0.007221 (0.0026057, 0.0159954) | 654.1 (225.4, 1,476.6)     | 0.003175 (0.0010941, 0.0071670) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 1   | 1,978.8 (734.7, 4,339.3)   | 0.009338 (0.0034669, 0.0204780) | 1,071.0 (394.5, 2,323.6)   | 0.005198 (0.0019147, 0.0112783) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 5   | 1,688.4 (1,139.1, 2,318.3) | 0.006576 (0.0044369, 0.0090295) | 1,645.9 (1,167.1, 2,250.5) | 0.006806 (0.0048262, 0.0093060) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 5   | 290.4 (91.3, 693.0)        | 0.001131 (0.0003554, 0.0026993) | 195.0 (61.1, 458.0)        | 0.000806 (0.0002525, 0.0018938) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 5   | 2,141.4 (1,524.3, 2,786.1) | 0.008341 (0.0059372, 0.0108519) | 1,479.2 (1,043.0, 1,934.0) | 0.006116 (0.0043127, 0.0079970) |
| Nusa Tenggara Barat | Malaria                                       | 5   | 110.3 (37.9, 245.1)        | 0.000430 (0.0001476, 0.0009545) | 73.0 (25.8, 159.1)         | 0.000302 (0.0001067, 0.0006580) |
| Nusa Tenggara Barat | Tuberculosis                                  | 5   | 897.8 (610.1, 1,308.2)     | 0.003497 (0.0023763, 0.0050952) | 614.1 (402.1, 890.0)       | 0.002540 (0.0016626, 0.0036803) |
| Nusa Tenggara Barat | Other communicable diseases                   | 5   | 4,409.2 (3,530.8, 5,417.2) | 0.017174 (0.0137521, 0.0210998) | 3,113.5 (2,430.6, 3,839.9) | 0.012875 (0.0100505, 0.0158779) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 5   | 1,017.2 (660.7, 1,467.7)   | 0.003962 (0.0025735, 0.0057166) | 946.7 (640.1, 1,303.4)     | 0.003915 (0.0026468, 0.0053897) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 5   | 102.2 (49.5, 181.2)        | 0.000398 (0.0001928, 0.0007058) | 127.4 (64.3, 208.2)        | 0.000527 (0.0002660, 0.0008610) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 5   | 57.1 (22.6, 115.4)         | 0.000222 (0.0000881, 0.0004496) | 69.9 (28.8, 135.2)         | 0.000289 (0.0001189, 0.0005592) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 5   | 93.8 (40.8, 184.3)         | 0.000365 (0.0001588, 0.0007179) | 108.9 (50.4, 203.7)        | 0.000450 (0.0002084, 0.0008422) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 5   | 93.7 (38.9, 205.0)         | 0.000365 (0.0001513, 0.0007984) | 149.4 (62.4, 314.3)        | 0.000618 (0.0002578, 0.0012997) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 5   | 263.4 (139.3, 458.2)       | 0.001026 (0.0005425, 0.0017848) | 241.0 (128.2, 416.7)       | 0.000996 (0.0005302, 0.0017230) |
| Nusa Tenggara Barat | Cirrhosis                                     | 5   | 636.3 (379.7, 986.5)       | 0.002478 (0.0014790, 0.0038423) | 359.3 (208.7, 567.0)       | 0.001486 (0.0008629, 0.0023445) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 5   | 518.0 (291.7, 837.6)       | 0.002018 (0.0011361, 0.0032623) | 208.4 (106.8, 355.5)       | 0.000862 (0.0004417, 0.0014700) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 5   | 1,696.6 (1,264.9, 2,199.7) | 0.006608 (0.0049266, 0.0085676) | 1,844.4 (1,396.7, 2,334.4) | 0.007627 (0.0057752, 0.0096528) |
| Nusa Tenggara Barat | Drowning                                      | 5   | 2,793.4 (1,719.8, 4,077.2) | 0.010880 (0.0066987, 0.0158804) | 1,112.9 (612.5, 1,719.5)   | 0.004602 (0.0025327, 0.0071100) |
| Nusa Tenggara Barat | Falls                                         | 5   | 526.3 (286.7, 861.1)       | 0.002050 (0.0011167, 0.0033541) | 260.8 (137.0, 448.0)       | 0.001078 (0.0005665, 0.0018526) |
| Nusa Tenggara Barat | Interpersonal violence                        | 5   | 145.7 (63.5, 286.3)        | 0.000567 (0.0002473, 0.0011152) | 109.9 (45.9, 227.2)        | 0.000455 (0.0001899, 0.0009393) |
| Nusa Tenggara Barat | Transport injuries                            | 5   | 2,735.4 (1,810.6, 3,811.1) | 0.010654 (0.0070520, 0.0148440) | 1,033.2 (642.0, 1,509.6)   | 0.004272 (0.0026545, 0.0062420) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 5   | 971.9 (618.5, 1,464.0)     | 0.003786 (0.0024089, 0.0057023) | 441.5 (267.0, 684.2)       | 0.001825 (0.0011043, 0.0028290) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 10  | 729.8 (458.2, 1,100.3)     | 0.002885 (0.0018111, 0.0043497) | 669.0 (434.6, 994.3)       | 0.002765 (0.0017959, 0.0041087) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 10  | 228.0 (92.1, 492.7)        | 0.000901 (0.0003639, 0.0019478) | 148.2 (56.3, 318.6)        | 0.000612 (0.0002326, 0.0013167) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 10  | 1,058.7 (696.1, 1,495.4)   | 0.004185 (0.0027516, 0.0059113) | 668.8 (445.3, 963.2)       | 0.002764 (0.0018400, 0.0039803) |
| Nusa Tenggara Barat | Malaria                                       | 10  | 195.6 (86.1, 383.2)        | 0.000773 (0.0003402, 0.0015148) | 130.2 (55.5, 262.7)        | 0.000538 (0.0002293, 0.0010856) |
| Nusa Tenggara Barat | Tuberculosis                                  | 10  | 1,613.9 (1,168.2, 2,152.0) | 0.006380 (0.0046178, 0.0085071) | 1,091.2 (770.3, 1,450.4)   | 0.004509 (0.0031829, 0.0059936) |
| Nusa Tenggara Barat | Maternal disorders                            | 10  |                            |                                 | 76.9 (13.4, 204.2)         | 0.000318 (0.0000553, 0.0008437) |
| Nusa Tenggara Barat | Other communicable diseases                   | 10  | 2,884.6 (2,271.2, 3,556.6) | 0.011403 (0.0089782, 0.0140596) | 1,842.5 (1,418.2, 2,321.1) | 0.007614 (0.0058605, 0.0095915) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 10  | 1,303.7 (957.7, 1,743.7)   | 0.005154 (0.0037856, 0.0068930) | 1,238.8 (928.9, 1,612.1)   | 0.005119 (0.0038384, 0.0066618) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 10  | 154.6 (94.9, 240.6)        | 0.000611 (0.0003750, 0.0009509) | 176.2 (107.2, 262.1)       | 0.000728 (0.0004429, 0.0010831) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 10  | 130.6 (79.2, 203.7)        | 0.000517 (0.0003130, 0.0008054) | 146.6 (89.9, 227.4)        | 0.000606 (0.0003713, 0.0009395) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 10  | 129.2 (71.2, 222.9)        | 0.000511 (0.0002815, 0.0008812) | 144.3 (79.5, 240.6)        | 0.000596 (0.0003283, 0.0009942) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 10  | 120.9 (67.5, 206.9)        | 0.000478 (0.0002670, 0.0008178) | 187.4 (103.6, 312.7)       | 0.000774 (0.0004279, 0.0012921) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 10  | 334.4 (214.2, 506.9)       | 0.001322 (0.0008466, 0.0020038) | 302.2 (190.6, 454.6)       | 0.001249 (0.0007878, 0.0018786) |
| Nusa Tenggara Barat | Cirrhosis                                     | 10  | 661.5 (453.9, 951.3)       | 0.002615 (0.0017945, 0.0037604) | 349.0 (226.0, 515.8)       | 0.001442 (0.0009340, 0.0021315) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 10  | 760.8 (499.0, 1,081.8)     | 0.003008 (0.0019725, 0.0042764) | 321.9 (192.6, 497.6)       | 0.001330 (0.0007958, 0.0020562) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 10  | 1,817.4 (1,431.0, 2,232.9) | 0.007184 (0.0056569, 0.0088267) | 1,837.9 (1,480.6, 2,260.1) | 0.007595 (0.0061183, 0.0093392) |
| Nusa Tenggara Barat | Drowning                                      | 10  | 1,259.8 (694.7, 2,024.1)   | 0.004980 (0.0027463, 0.0080015) | 384.6 (189.9, 684.7)       | 0.001589 (0.0007848, 0.0028294) |
| Nusa Tenggara Barat | Falls                                         | 10  | 406.2 (216.9, 692.1)       | 0.001606 (0.0008574, 0.0027360) | 164.7 (85.7, 299.0)        | 0.000681 (0.0003543, 0.0012355) |
| Nusa Tenggara Barat | Interpersonal violence                        | 10  | 199.7 (111.7, 329.5)       | 0.000790 (0.0004416, 0.0013025) | 139.5 (73.0, 241.9)        | 0.000577 (0.0003016, 0.0009997) |
| Nusa Tenggara Barat | Self-harm                                     | 10  | 379.0 (173.6, 700.2)       | 0.001498 (0.0006861, 0.0027680) | 226.9 (103.3, 432.9)       | 0.000937 (0.0004270, 0.0017890) |
| Nusa Tenggara Barat | Transport injuries                            | 10  | 3,555.0 (2,702.9, 4,495.3) | 0.014053 (0.0106848, 0.0177701) | 1,199.2 (833.0, 1,654.0)   | 0.004955 (0.0034424, 0.0068348) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 10  | 845.0 (557.1, 1,215.1)     | 0.003341 (0.0022021, 0.0048035) | 336.6 (210.2, 506.9)       | 0.001391 (0.0008687, 0.0020945) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 15  | 365.1 (188.3, 620.0)       | 0.001581 (0.0008155, 0.0026852) | 292.7 (157.5, 466.7)       | 0.001263 (0.0006798, 0.0020139) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 15  | 193.4 (63.0, 474.6)        | 0.000838 (0.0002730, 0.0020556) | 110.1 (34.0, 294.6)        | 0.000475 (0.0001468, 0.0012714) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 15  | 468.3 (282.0, 727.5)       | 0.002028 (0.0012212, 0.0031509) | 232.6 (137.0, 377.7)       | 0.001004 (0.0005913, 0.0016301) |
| Nusa Tenggara Barat | Malaria                                       | 15  | 439.1 (198.1, 822.2)       | 0.001902 (0.0008580, 0.0035607) | 259.9 (103.0, 515.3)       | 0.001122 (0.0004444, 0.0022240) |
| Nusa Tenggara Barat | Tuberculosis                                  | 15  | 2,722.1 (2,019.5, 3,611.4) | 0.011789 (0.0087465, 0.0156408) | 1,416.9 (1,078.3, 1,871.8) | 0.006115 (0.0046533, 0.0080778) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Maternal disorders                            | 15  |                             |                                 | 744.2 (430.5, 1,148.1)     | 0.003212 (0.0018579, 0.0049548) |
| Nusa Tenggara Barat | Other communicable diseases                   | 15  | 1,761.7 (1,190.3, 2,435.0)  | 0.007630 (0.0051550, 0.0105459) | 966.4 (636.4, 1,355.5)     | 0.004171 (0.0027464, 0.0058497) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 15  | 80.8 (26.6, 188.5)          | 0.000350 (0.0001150, 0.0008163) | 32.2 (9.1, 76.4)           | 0.000139 (0.0000394, 0.0003299) |
| Nusa Tenggara Barat | Breast cancer                                 | 15  | 6.6 (1.0, 23.8)             | 0.000029 (0.0000041, 0.0001029) | 234.2 (72.8, 509.6)        | 0.001011 (0.0003142, 0.0021993) |
| Nusa Tenggara Barat | Cervical cancer                               | 15  |                             |                                 | 43.9 (9.6, 120.2)          | 0.000190 (0.0000414, 0.0005188) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 15  | 1,455.7 (1,061.4, 2,019.7)  | 0.006304 (0.0045967, 0.0087471) | 1,735.0 (1,255.0, 2,300.5) | 0.007488 (0.0054161, 0.0099277) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 15  | 320.7 (192.1, 496.4)        | 0.001389 (0.0008319, 0.0021498) | 306.3 (180.2, 470.5)       | 0.001322 (0.0007776, 0.0020304) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 15  | 498.1 (321.0, 731.2)        | 0.002157 (0.0013903, 0.0031668) | 378.8 (245.4, 554.1)       | 0.001635 (0.0010590, 0.0023910) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 15  | 222.2 (112.8, 377.7)        | 0.000963 (0.0004883, 0.0016357) | 240.1 (111.9, 423.7)       | 0.001036 (0.0004828, 0.0018285) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 15  | 203.7 (108.7, 364.5)        | 0.000882 (0.0004708, 0.0015784) | 312.1 (165.0, 539.5)       | 0.001347 (0.0007121, 0.0023282) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 15  | 519.8 (324.4, 811.0)        | 0.002251 (0.0014050, 0.0035123) | 468.2 (282.5, 742.4)       | 0.002021 (0.0012190, 0.0032040) |
| Nusa Tenggara Barat | Cirrhosis                                     | 15  | 836.4 (529.6, 1,293.8)      | 0.003622 (0.0022937, 0.0056034) | 435.4 (263.7, 668.1)       | 0.001879 (0.0011382, 0.0028832) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 15  | 616.8 (382.1, 948.2)        | 0.002672 (0.0016547, 0.0041065) | 322.7 (178.5, 515.9)       | 0.001393 (0.0007704, 0.0022264) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 15  | 2,394.2 (1,777.6, 3,177.3)  | 0.010369 (0.0076986, 0.0137608) | 2,161.9 (1,669.4, 2,727.3) | 0.009330 (0.0072045, 0.0117697) |
| Nusa Tenggara Barat | Drowning                                      | 15  | 575.8 (286.6, 1,041.4)      | 0.002494 (0.0012414, 0.0045105) | 170.2 (73.7, 332.7)        | 0.000735 (0.0003180, 0.0014358) |
| Nusa Tenggara Barat | Falls                                         | 15  | 332.3 (186.5, 541.2)        | 0.001439 (0.0008079, 0.0023440) | 135.6 (68.8, 239.8)        | 0.000585 (0.0002969, 0.0010349) |
| Nusa Tenggara Barat | Interpersonal violence                        | 15  | 441.0 (249.2, 731.4)        | 0.001910 (0.0010792, 0.0031678) | 319.9 (165.8, 543.7)       | 0.001381 (0.0007157, 0.0023464) |
| Nusa Tenggara Barat | Self-harm                                     | 15  | 719.6 (367.8, 1,211.1)      | 0.003116 (0.0015928, 0.0052450) | 450.6 (232.3, 800.1)       | 0.001944 (0.0010024, 0.0034529) |
| Nusa Tenggara Barat | Transport injuries                            | 15  | 8,738.6 (7,022.1, 11,182.6) | 0.037847 (0.0304122, 0.0484314) | 3,409.3 (2,712.0, 4,149.4) | 0.014713 (0.0117036, 0.0179070) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 15  | 1,146.0 (743.5, 1,660.8)    | 0.004964 (0.0032202, 0.0071930) | 465.0 (288.5, 704.2)       | 0.002007 (0.0012449, 0.0030391) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 20  | 314.4 (171.7, 549.9)        | 0.001644 (0.0008977, 0.0028757) | 291.1 (161.4, 470.3)       | 0.001272 (0.0007056, 0.0020556) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 20  | 537.5 (221.6, 1,012.9)      | 0.002811 (0.0011590, 0.0052966) | 340.4 (144.0, 663.7)       | 0.001488 (0.0006293, 0.0029010) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 20  | 378.0 (228.2, 608.7)        | 0.001977 (0.0011935, 0.0031828) | 202.2 (119.2, 316.8)       | 0.000884 (0.0005212, 0.0013848) |
| Nusa Tenggara Barat | Malaria                                       | 20  | 479.3 (207.4, 911.4)        | 0.002506 (0.0010847, 0.0047656) | 290.5 (126.5, 547.5)       | 0.001270 (0.0005530, 0.0023932) |
| Nusa Tenggara Barat | Tuberculosis                                  | 20  | 4,499.5 (3,363.6, 6,102.4)  | 0.023528 (0.0175884, 0.0319094) | 2,167.1 (1,641.3, 2,753.7) | 0.009472 (0.0071740, 0.0120361) |
| Nusa Tenggara Barat | Maternal disorders                            | 20  |                             |                                 | 1,081.2 (699.3, 1,552.6)   | 0.004726 (0.0030567, 0.0067862) |
| Nusa Tenggara Barat | Other communicable diseases                   | 20  | 1,963.2 (1,318.6, 2,819.3)  | 0.010265 (0.0068952, 0.0147423) | 1,285.5 (907.7, 1,743.3)   | 0.005619 (0.0039675, 0.0076194) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 20  | 59.5 (18.0, 148.3)          | 0.000311 (0.0000943, 0.0007754) | 46.2 (15.5, 100.2)         | 0.000202 (0.0000676, 0.0004378) |
| Nusa Tenggara Barat | Breast cancer                                 | 20  | 7.9 (2.0, 22.2)             | 0.000041 (0.0000104, 0.0001160) | 660.6 (351.2, 1,071.0)     | 0.002887 (0.0015352, 0.0046813) |
| Nusa Tenggara Barat | Cervical cancer                               | 20  |                             |                                 | 100.0 (28.6, 236.6)        | 0.000437 (0.0001251, 0.0010341) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 20  | 1,226.4 (851.8, 1,737.9)    | 0.006413 (0.0044539, 0.0090877) | 1,858.8 (1,349.4, 2,496.2) | 0.008125 (0.0058978, 0.0109104) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 20  | 575.2 (393.4, 823.4)        | 0.003008 (0.0020572, 0.0043054) | 501.2 (349.2, 695.1)       | 0.002191 (0.0015261, 0.0030381) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 20  | 872.0 (601.6, 1,217.9)      | 0.004560 (0.0031456, 0.0063686) | 452.2 (315.4, 610.8)       | 0.001977 (0.0013786, 0.0026697) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 20  | 315.5 (191.7, 484.8)        | 0.001650 (0.0010024, 0.0025352) | 342.4 (220.4, 501.0)       | 0.001497 (0.0009631, 0.0021896) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 20  | 178.7 (101.2, 294.6)        | 0.000934 (0.0005290, 0.0015403) | 276.1 (165.0, 448.9)       | 0.001207 (0.0007213, 0.0019619) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 20  | 733.4 (489.2, 1,104.7)      | 0.003835 (0.0025582, 0.0057766) | 645.8 (434.9, 934.4)       | 0.002823 (0.0019010, 0.0040840) |
| Nusa Tenggara Barat | Cirrhosis                                     | 20  | 1,208.3 (824.5, 1,760.0)    | 0.006318 (0.0043111, 0.0092031) | 677.6 (450.2, 954.2)       | 0.002962 (0.0019676, 0.0041708) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 20  | 1,069.6 (714.7, 1,574.7)    | 0.005593 (0.0037369, 0.0082339) | 746.5 (507.3, 1,068.9)     | 0.003263 (0.0022172, 0.0046721) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 20  | 2,170.9 (1,615.2, 2,980.5)  | 0.011352 (0.0084459, 0.0155849) | 1,895.2 (1,487.8, 2,421.9) | 0.008284 (0.0065029, 0.0105858) |
| Nusa Tenggara Barat | Drowning                                      | 20  | 385.8 (175.8, 787.4)        | 0.002017 (0.0009195, 0.0041175) | 131.7 (56.0, 272.2)        | 0.000576 (0.0002447, 0.0011899) |
| Nusa Tenggara Barat | Falls                                         | 20  | 300.2 (168.8, 492.6)        | 0.001570 (0.0008828, 0.0025760) | 133.1 (68.3, 232.1)        | 0.000582 (0.0002986, 0.0010144) |
| Nusa Tenggara Barat | Interpersonal violence                        | 20  | 474.0 (274.0, 770.4)        | 0.002479 (0.0014329, 0.0040285) | 303.9 (170.1, 521.3)       | 0.001328 (0.0007436, 0.0022786) |
| Nusa Tenggara Barat | Self-harm                                     | 20  | 661.0 (345.4, 1,096.6)      | 0.003457 (0.0018059, 0.0057344) | 355.0 (182.1, 632.2)       | 0.001552 (0.0007958, 0.0027632) |
| Nusa Tenggara Barat | Transport injuries                            | 20  | 6,623.6 (5,028.8, 8,825.7)  | 0.034635 (0.0262956, 0.0461496) | 2,463.8 (1,852.0, 3,125.4) | 0.010769 (0.0080946, 0.0136604) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 20  | 1,158.6 (761.0, 1,680.2)    | 0.006058 (0.0039791, 0.0087856) | 456.9 (283.5, 699.5)       | 0.001997 (0.0012392, 0.0030575) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 25  | 468.1 (277.0, 762.3)        | 0.002372 (0.0014034, 0.0038622) | 399.3 (238.8, 629.5)       | 0.001684 (0.0010071, 0.0026549) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 25  | 981.2 (491.0, 1,673.4)      | 0.004972 (0.0024879, 0.0084785) | 570.0 (285.6, 976.6)       | 0.002404 (0.0012048, 0.0041187) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 25  | 405.6 (250.4, 636.8)        | 0.002055 (0.0012688, 0.0032265) | 200.5 (120.1, 307.5)       | 0.000846 (0.0005063, 0.0012971) |
| Nusa Tenggara Barat | Malaria                                       | 25  | 498.1 (231.7, 909.7)        | 0.002524 (0.0011739, 0.0046094) | 260.7 (116.6, 481.5)       | 0.001100 (0.0004917, 0.0020310) |
| Nusa Tenggara Barat | Tuberculosis                                  | 25  | 5,836.5 (4,455.8, 7,691.1)  | 0.029572 (0.0225761, 0.0389680) | 2,427.4 (1,802.0, 3,231.8) | 0.010238 (0.0076003, 0.0136308) |
| Nusa Tenggara Barat | Maternal disorders                            | 25  |                             |                                 | 1,509.5 (999.5, 2,209.7)   | 0.006366 (0.0042156, 0.0093199) |
| Nusa Tenggara Barat | Other communicable diseases                   | 25  | 2,239.4 (1,584.8, 3,095.0)  | 0.011346 (0.0080296, 0.0156815) | 1,373.7 (965.5, 1,887.2)   | 0.005794 (0.0040723, 0.0079595) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 25  | 80.2 (26.5, 186.2)         | 0.000406 (0.0001341, 0.0009432) | 56.8 (20.9, 118.1)         | 0.000240 (0.0000883, 0.0004980) |
| Nusa Tenggara Barat | Breast cancer                                 | 25  | 8.5 (2.4, 23.5)            | 0.000043 (0.0000120, 0.0001192) | 1,200.1 (782.1, 1,722.3)   | 0.005062 (0.0032988, 0.0072642) |
| Nusa Tenggara Barat | Cervical cancer                               | 25  |                            |                                 | 186.7 (63.7, 399.5)        | 0.000788 (0.0002687, 0.0016850) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 25  | 1,609.4 (1,175.4, 2,195.8) | 0.008154 (0.0059552, 0.0111252) | 1,931.9 (1,377.7, 2,625.2) | 0.008148 (0.0058107, 0.0110720) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 25  | 1,071.0 (780.6, 1,430.2)   | 0.005426 (0.0039550, 0.0072466) | 842.0 (627.9, 1,124.2)     | 0.003551 (0.0026483, 0.0047414) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 25  | 1,674.8 (1,244.4, 2,209.4) | 0.008486 (0.0063049, 0.0111943) | 727.3 (542.4, 973.4)       | 0.003067 (0.0022875, 0.0041053) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 25  | 422.9 (279.0, 620.0)       | 0.002143 (0.0014136, 0.0031416) | 421.5 (290.7, 614.8)       | 0.001778 (0.0012263, 0.0025930) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 25  | 300.3 (196.2, 441.9)       | 0.001521 (0.0009940, 0.0022390) | 409.0 (272.8, 606.7)       | 0.001725 (0.0011508, 0.0025588) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 25  | 816.1 (571.8, 1,155.6)     | 0.004135 (0.0028972, 0.0058552) | 627.0 (444.8, 866.9)       | 0.002644 (0.0018759, 0.0036564) |
| Nusa Tenggara Barat | Cirrhosis                                     | 25  | 1,732.7 (1,252.5, 2,388.5) | 0.008779 (0.0063457, 0.0121015) | 889.0 (632.4, 1,241.8)     | 0.003749 (0.0026671, 0.0052376) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 25  | 1,273.6 (890.5, 1,785.2)   | 0.006453 (0.0045121, 0.0090451) | 842.6 (590.7, 1,182.9)     | 0.003554 (0.0024914, 0.0049890) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 25  | 2,597.7 (1,985.6, 3,441.9) | 0.013162 (0.0100603, 0.0174391) | 2,071.2 (1,630.8, 2,717.7) | 0.008736 (0.0068781, 0.0114623) |
| Nusa Tenggara Barat | Drowning                                      | 25  | 287.0 (120.1, 548.6)       | 0.001454 (0.0006083, 0.0027796) | 97.0 (41.2, 193.1)         | 0.000409 (0.0001739, 0.0008144) |
| Nusa Tenggara Barat | Falls                                         | 25  | 466.0 (257.8, 746.2)       | 0.002361 (0.0013064, 0.0037808) | 197.2 (107.1, 324.5)       | 0.000832 (0.0004516, 0.0013687) |
| Nusa Tenggara Barat | Interpersonal violence                        | 25  | 458.1 (267.0, 757.2)       | 0.002321 (0.0013528, 0.0038365) | 252.4 (142.6, 441.3)       | 0.001065 (0.0006013, 0.0018612) |
| Nusa Tenggara Barat | Self-harm                                     | 25  | 578.3 (320.2, 949.4)       | 0.002930 (0.0016223, 0.0048105) | 261.5 (142.8, 464.0)       | 0.001103 (0.0006023, 0.0019570) |
| Nusa Tenggara Barat | Transport injuries                            | 25  | 4,810.2 (3,581.9, 6,363.6) | 0.024372 (0.0181484, 0.0322420) | 1,530.7 (1,089.5, 2,082.6) | 0.006456 (0.0045953, 0.0087836) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 25  | 1,400.4 (944.9, 1,983.3)   | 0.007095 (0.0047873, 0.0100487) | 497.7 (319.1, 728.6)       | 0.002099 (0.0013458, 0.0030729) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 30  | 458.1 (274.2, 697.0)       | 0.002572 (0.0015394, 0.0039134) | 371.2 (218.1, 582.4)       | 0.001802 (0.0010585, 0.0028264) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 30  | 876.2 (427.8, 1,497.2)     | 0.004920 (0.0024022, 0.0084066) | 486.1 (240.5, 841.7)       | 0.002359 (0.0011673, 0.0040844) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 30  | 343.7 (219.4, 528.3)       | 0.001930 (0.0012319, 0.0029666) | 164.3 (96.1, 253.3)        | 0.000797 (0.0004664, 0.0012292) |
| Nusa Tenggara Barat | Malaria                                       | 30  | 344.3 (157.3, 640.5)       | 0.001933 (0.0008834, 0.0035966) | 164.3 (73.0, 311.6)        | 0.000798 (0.0003543, 0.0015120) |
| Nusa Tenggara Barat | Tuberculosis                                  | 30  | 4,909.8 (3,737.6, 6,428.0) | 0.027569 (0.0209863, 0.0360933) | 1,885.0 (1,375.2, 2,571.0) | 0.009148 (0.0066737, 0.0124768) |
| Nusa Tenggara Barat | Maternal disorders                            | 30  |                            |                                 | 1,738.8 (1,165.0, 2,508.7) | 0.008438 (0.0056537, 0.0121746) |
| Nusa Tenggara Barat | Other communicable diseases                   | 30  | 1,417.4 (967.4, 2,051.1)   | 0.007959 (0.0054318, 0.0115171) | 833.1 (560.6, 1,190.1)     | 0.004043 (0.0027204, 0.0057753) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 30  | 137.4 (56.7, 284.5)        | 0.000771 (0.0003182, 0.0015976) | 58.7 (24.5, 117.5)         | 0.000285 (0.0001190, 0.0005701) |
| Nusa Tenggara Barat | Breast cancer                                 | 30  | 10.7 (2.8, 30.1)           | 0.000060 (0.0000156, 0.0001689) | 1,643.7 (1,117.4, 2,312.2) | 0.007976 (0.0054227, 0.0112206) |
| Nusa Tenggara Barat | Cervical cancer                               | 30  |                            |                                 | 298.1 (110.9, 592.8)       | 0.001447 (0.0005383, 0.0028766) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 30  | 1,791.9 (1,317.2, 2,445.1) | 0.010062 (0.0073960, 0.0137293) | 1,783.2 (1,234.1, 2,523.4) | 0.008654 (0.0059891, 0.0122456) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 30  | 1,568.6 (1,159.3, 2,055.7) | 0.008808 (0.0065096, 0.0115430) | 1,272.0 (958.1, 1,671.6)   | 0.006173 (0.0046496, 0.0081122) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 30  | 2,209.8 (1,690.5, 2,878.2) | 0.012408 (0.0094923, 0.0161610) | 971.7 (728.0, 1,311.7)     | 0.004716 (0.0035329, 0.0063653) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 30  | 463.3 (307.3, 662.2)       | 0.002602 (0.0017257, 0.0037181) | 475.2 (324.5, 693.7)       | 0.002306 (0.0015746, 0.0033666) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 30  | 435.4 (301.6, 608.9)       | 0.002445 (0.0016932, 0.0034188) | 591.5 (412.5, 858.1)       | 0.002870 (0.0020020, 0.0041644) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 30  | 770.6 (539.1, 1,090.0)     | 0.004327 (0.0030268, 0.0061205) | 588.2 (409.2, 839.1)       | 0.002854 (0.0019859, 0.0040720) |
| Nusa Tenggara Barat | Cirrhosis                                     | 30  | 2,060.6 (1,503.5, 2,814.8) | 0.011570 (0.0084423, 0.0158049) | 1,083.8 (786.0, 1,480.5)   | 0.005260 (0.0038142, 0.0071848) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 30  | 1,166.5 (802.9, 1,637.1)   | 0.006550 (0.0045081, 0.0091925) | 782.5 (538.5, 1,090.8)     | 0.003797 (0.0026131, 0.0052936) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 30  | 2,462.5 (1,886.5, 3,309.1) | 0.013827 (0.0105928, 0.0185802) | 2,029.0 (1,550.2, 2,715.5) | 0.009847 (0.0075230, 0.0131782) |
| Nusa Tenggara Barat | Drowning                                      | 30  | 329.3 (148.9, 607.4)       | 0.001849 (0.0008360, 0.0034105) | 124.6 (53.4, 236.9)        | 0.000605 (0.0002593, 0.0011496) |
| Nusa Tenggara Barat | Falls                                         | 30  | 545.8 (324.1, 861.5)       | 0.003065 (0.0018197, 0.0048374) | 251.9 (145.3, 411.6)       | 0.001223 (0.0007052, 0.0019973) |
| Nusa Tenggara Barat | Interpersonal violence                        | 30  | 310.7 (179.4, 493.7)       | 0.001745 (0.0010072, 0.0027724) | 175.3 (95.8, 306.3)        | 0.000851 (0.0004650, 0.0014863) |
| Nusa Tenggara Barat | Self-harm                                     | 30  | 376.8 (216.6, 641.1)       | 0.002116 (0.0012160, 0.0035999) | 172.0 (92.5, 313.1)        | 0.000835 (0.0004490, 0.0015194) |
| Nusa Tenggara Barat | Transport injuries                            | 30  | 3,935.7 (2,935.4, 5,234.0) | 0.022099 (0.0164821, 0.0293889) | 1,320.6 (913.1, 1,821.3)   | 0.006409 (0.0044312, 0.0088384) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 30  | 1,179.3 (785.9, 1,735.1)   | 0.006622 (0.0044127, 0.0097423) | 439.9 (284.9, 662.1)       | 0.002135 (0.0013824, 0.0032132) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 35  | 395.4 (242.5, 629.0)       | 0.002335 (0.0014323, 0.0037151) | 350.4 (214.8, 547.4)       | 0.001847 (0.0011324, 0.0028853) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 35  | 744.2 (348.6, 1,324.5)     | 0.004395 (0.0020587, 0.0078225) | 428.8 (200.0, 771.8)       | 0.002260 (0.0010539, 0.0040681) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 35  | 356.5 (233.6, 555.2)       | 0.002106 (0.0013799, 0.0032794) | 192.8 (115.3, 302.6)       | 0.001016 (0.0006077, 0.0015948) |
| Nusa Tenggara Barat | Malaria                                       | 35  | 289.4 (135.1, 534.2)       | 0.001709 (0.0007978, 0.0031552) | 131.6 (59.9, 258.3)        | 0.000694 (0.0003156, 0.0013612) |
| Nusa Tenggara Barat | Tuberculosis                                  | 35  | 4,962.9 (3,779.4, 6,444.1) | 0.029312 (0.0223219, 0.0380598) | 1,857.3 (1,321.7, 2,617.1) | 0.009789 (0.0069666, 0.0137941) |
| Nusa Tenggara Barat | Maternal disorders                            | 35  |                            |                                 | 2,131.2 (1,401.0, 3,050.2) | 0.011233 (0.0073842, 0.0160768) |
| Nusa Tenggara Barat | Other communicable diseases                   | 35  | 1,256.6 (858.5, 1,778.0)   | 0.007422 (0.0050705, 0.0105010) | 840.1 (549.4, 1,214.9)     | 0.004428 (0.0028958, 0.0064033) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 35  | 145.7 (62.8, 278.4)        | 0.000860 (0.0003711, 0.0016442) | 78.1 (35.7, 150.7)         | 0.000412 (0.0001880, 0.0007944) |
| Nusa Tenggara Barat | Breast cancer                                 | 35  | 19.7 (5.7, 51.4)           | 0.000117 (0.0000337, 0.0003036) | 2,253.7 (1,562.0, 3,202.4) | 0.011879 (0.0082333, 0.0168792) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Cervical cancer                               | 35  |                            |                                 | 588.3 (242.8, 1,162.8)     | 0.003101 (0.0012799, 0.0061287) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 35  | 2,484.3 (1,831.2, 3,339.4) | 0.014673 (0.0108152, 0.0197231) | 1,927.1 (1,317.4, 2,755.4) | 0.010157 (0.0069439, 0.0145234) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 35  | 2,566.3 (1,951.7, 3,292.5) | 0.015157 (0.0115273, 0.0194459) | 2,225.4 (1,679.2, 2,925.4) | 0.011730 (0.0088507, 0.0154191) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 35  | 3,166.7 (2,437.7, 4,069.0) | 0.018703 (0.0143974, 0.0240323) | 1,471.5 (1,100.7, 1,982.8) | 0.007756 (0.0058015, 0.0104508) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 35  | 613.8 (420.2, 877.5)       | 0.003625 (0.0024820, 0.0051828) | 633.8 (434.6, 907.8)       | 0.003341 (0.0022908, 0.0047848) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 35  | 813.1 (579.1, 1,122.6)     | 0.004802 (0.0034202, 0.0066301) | 1,086.7 (776.8, 1,528.6)   | 0.005728 (0.0040943, 0.0080569) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 35  | 904.1 (638.7, 1,280.2)     | 0.005340 (0.0037724, 0.0075611) | 664.1 (464.7, 959.1)       | 0.003500 (0.0024495, 0.0050554) |
| Nusa Tenggara Barat | Cirrhosis                                     | 35  | 2,603.6 (1,938.5, 3,533.7) | 0.015377 (0.0114490, 0.0208706) | 1,461.5 (1,062.6, 1,983.8) | 0.007703 (0.0056008, 0.0104562) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 35  | 1,429.5 (1,037.2, 1,992.7) | 0.008443 (0.0061257, 0.0117693) | 923.5 (632.0, 1,277.7)     | 0.004868 (0.0033314, 0.0067344) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 35  | 2,635.4 (2,017.5, 3,492.9) | 0.015565 (0.0119156, 0.0206295) | 2,268.1 (1,707.3, 3,042.5) | 0.011955 (0.0089989, 0.0160364) |
| Nusa Tenggara Barat | Drowning                                      | 35  | 439.1 (211.2, 828.6)       | 0.002593 (0.0012475, 0.0048939) | 226.3 (100.2, 418.0)       | 0.001193 (0.0005280, 0.0022034) |
| Nusa Tenggara Barat | Falls                                         | 35  | 576.3 (346.2, 909.8)       | 0.003404 (0.0020446, 0.0053734) | 334.7 (196.5, 545.0)       | 0.001764 (0.0010359, 0.0028727) |
| Nusa Tenggara Barat | Interpersonal violence                        | 35  | 266.2 (152.6, 434.6)       | 0.001572 (0.0009012, 0.0025668) | 150.0 (77.1, 273.7)        | 0.000791 (0.0004063, 0.0014427) |
| Nusa Tenggara Barat | Self-harm                                     | 35  | 344.6 (192.8, 587.0)       | 0.002035 (0.0011385, 0.0034670) | 150.1 (81.7, 277.0)        | 0.000791 (0.0004307, 0.0014601) |
| Nusa Tenggara Barat | Transport injuries                            | 35  | 3,304.1 (2,436.0, 4,510.3) | 0.019515 (0.0143876, 0.0266387) | 1,274.3 (877.9, 1,801.3)   | 0.006717 (0.0046274, 0.0094943) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 35  | 1,132.2 (742.1, 1,666.0)   | 0.006687 (0.0043831, 0.0098398) | 464.5 (295.4, 699.0)       | 0.002449 (0.0015573, 0.0036843) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 40  | 402.8 (249.9, 613.5)       | 0.002776 (0.0017218, 0.0042268) | 417.1 (249.7, 645.2)       | 0.002624 (0.0015706, 0.0040585) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 40  | 367.7 (163.4, 686.3)       | 0.002533 (0.0011260, 0.0047285) | 241.0 (103.3, 463.7)       | 0.001516 (0.0006500, 0.0029167) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 40  | 341.8 (226.5, 516.7)       | 0.002355 (0.0015606, 0.0035601) | 231.1 (144.9, 349.7)       | 0.001454 (0.0009112, 0.0021996) |
| Nusa Tenggara Barat | Malaria                                       | 40  | 258.0 (122.6, 469.6)       | 0.001778 (0.0008444, 0.0032359) | 119.5 (50.5, 247.1)        | 0.000752 (0.0003179, 0.0015546) |
| Nusa Tenggara Barat | Tuberculosis                                  | 40  | 4,218.8 (3,264.3, 5,542.6) | 0.029068 (0.0224915, 0.0381895) | 1,692.9 (1,197.4, 2,343.9) | 0.010649 (0.0075323, 0.0147446) |
| Nusa Tenggara Barat | Maternal disorders                            | 40  |                            |                                 | 1,382.0 (794.4, 2,160.1)   | 0.008694 (0.0049972, 0.0135879) |
| Nusa Tenggara Barat | Other communicable diseases                   | 40  | 1,167.3 (798.2, 1,639.2)   | 0.008043 (0.0054998, 0.0112944) | 951.9 (626.8, 1,335.5)     | 0.005988 (0.0039430, 0.0084008) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 40  | 231.5 (110.1, 420.1)       | 0.001595 (0.0007583, 0.0028943) | 91.3 (41.6, 179.6)         | 0.000575 (0.0002617, 0.0011298) |
| Nusa Tenggara Barat | Breast cancer                                 | 40  | 34.7 (11.8, 83.0)          | 0.000239 (0.0000815, 0.0005717) | 2,412.8 (1,644.9, 3,445.4) | 0.015178 (0.0103473, 0.0216736) |
| Nusa Tenggara Barat | Cervical cancer                               | 40  |                            |                                 | 878.5 (379.6, 1,665.8)     | 0.005527 (0.0023878, 0.0104785) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 40  | 3,121.3 (2,321.8, 4,137.0) | 0.021506 (0.0159977, 0.0285045) | 1,782.3 (1,214.0, 2,545.6) | 0.011212 (0.0076368, 0.0160134) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 40  | 3,935.0 (3,114.2, 4,992.6) | 0.027113 (0.0214576, 0.0343997) | 3,400.0 (2,640.7, 4,430.2) | 0.021388 (0.0166113, 0.0278681) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 40  | 4,403.2 (3,448.0, 5,717.8) | 0.030339 (0.0237574, 0.0393966) | 2,053.4 (1,565.6, 2,696.2) | 0.012917 (0.0098484, 0.0169608) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 40  | 831.1 (580.5, 1,181.4)     | 0.005727 (0.0040000, 0.0081402) | 795.9 (559.8, 1,112.3)     | 0.005006 (0.0035215, 0.0069967) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 40  | 1,580.7 (1,161.8, 2,116.5) | 0.010891 (0.0080048, 0.0145833) | 1,932.9 (1,378.0, 2,626.4) | 0.012159 (0.0086684, 0.0165216) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 40  | 1,057.0 (745.4, 1,487.3)   | 0.007283 (0.0051359, 0.0102479) | 696.4 (488.0, 990.2)       | 0.004381 (0.0030695, 0.0062288) |
| Nusa Tenggara Barat | Cirrhosis                                     | 40  | 3,069.4 (2,326.8, 4,139.8) | 0.021149 (0.0160321, 0.0285237) | 1,716.1 (1,269.9, 2,324.6) | 0.010795 (0.0079881, 0.0146231) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 40  | 1,714.9 (1,272.4, 2,332.4) | 0.011816 (0.0087673, 0.0160704) | 986.4 (703.1, 1,339.5)     | 0.006205 (0.0044230, 0.0084260) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 40  | 2,759.9 (2,103.7, 3,610.1) | 0.019016 (0.0144950, 0.0248741) | 2,299.0 (1,739.9, 3,071.7) | 0.014462 (0.0109446, 0.0193223) |
| Nusa Tenggara Barat | Drowning                                      | 40  | 235.2 (103.9, 449.7)       | 0.001621 (0.0007157, 0.0030985) | 153.0 (62.3, 310.0)        | 0.000963 (0.0003917, 0.0019502) |
| Nusa Tenggara Barat | Falls                                         | 40  | 493.2 (282.7, 771.8)       | 0.003398 (0.0019482, 0.0053180) | 330.9 (185.7, 526.7)       | 0.002081 (0.0011684, 0.0033133) |
| Nusa Tenggara Barat | Interpersonal violence                        | 40  | 183.3 (102.7, 297.4)       | 0.001263 (0.0007075, 0.0020492) | 94.3 (45.8, 180.7)         | 0.000593 (0.0002878, 0.0011365) |
| Nusa Tenggara Barat | Self-harm                                     | 40  | 265.7 (148.3, 449.9)       | 0.001831 (0.0010215, 0.0030998) | 100.8 (49.6, 194.0)        | 0.000634 (0.0003118, 0.0012204) |
| Nusa Tenggara Barat | Transport injuries                            | 40  | 2,538.0 (1,830.7, 3,459.3) | 0.017487 (0.0126140, 0.0238348) | 1,040.2 (698.4, 1,458.5)   | 0.006544 (0.0043930, 0.0091746) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 40  | 840.4 (550.6, 1,247.0)     | 0.005791 (0.0037936, 0.0085917) | 346.5 (216.1, 543.7)       | 0.002179 (0.0013594, 0.0034199) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 45  | 384.7 (249.0, 585.1)       | 0.003190 (0.0020641, 0.0048505) | 592.7 (385.9, 882.9)       | 0.004483 (0.0029187, 0.0066778) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 45  | 177.8 (75.2, 345.8)        | 0.001474 (0.0006238, 0.0028665) | 176.2 (70.5, 356.2)        | 0.001333 (0.0005336, 0.0026946) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 45  | 414.7 (273.0, 623.6)       | 0.003438 (0.0022634, 0.0051696) | 420.5 (279.1, 618.8)       | 0.003180 (0.0021109, 0.0046804) |
| Nusa Tenggara Barat | Malaria                                       | 45  | 190.2 (86.0, 363.9)        | 0.001577 (0.0007127, 0.0030170) | 128.8 (51.5, 265.0)        | 0.000975 (0.0003894, 0.0020042) |
| Nusa Tenggara Barat | Tuberculosis                                  | 45  | 4,015.6 (3,059.1, 5,205.8) | 0.033289 (0.0253594, 0.0431555) | 2,340.2 (1,757.0, 3,047.9) | 0.017701 (0.0132898, 0.0230536) |
| Nusa Tenggara Barat | Maternal disorders                            | 45  |                            |                                 | 310.8 (131.7, 617.4)       | 0.002351 (0.0009964, 0.0046696) |
| Nusa Tenggara Barat | Other communicable diseases                   | 45  | 996.0 (693.7, 1,360.8)     | 0.008257 (0.0057503, 0.0112806) | 1,215.9 (859.9, 1,651.0)   | 0.009197 (0.0065043, 0.0124881) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 45  | 274.6 (137.2, 503.1)       | 0.002276 (0.0011374, 0.0041705) | 113.1 (51.3, 224.0)        | 0.000856 (0.0003882, 0.0016946) |
| Nusa Tenggara Barat | Breast cancer                                 | 45  | 36.0 (15.0, 75.4)          | 0.000298 (0.0001242, 0.0006250) | 2,390.5 (1,630.6, 3,343.1) | 0.018081 (0.0123339, 0.0252863) |
| Nusa Tenggara Barat | Cervical cancer                               | 45  |                            |                                 | 894.7 (386.7, 1,601.7)     | 0.006767 (0.0029253, 0.0121153) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 45  | 2,525.3 (1,875.0, 3,395.3) | 0.020934 (0.0155438, 0.0281463) | 1,694.4 (1,123.7, 2,343.4) | 0.012816 (0.0084993, 0.0177250) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|---------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                     |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 45  | 5,206.1       | (4,098.8, 6,543.8) | 0.043158                 | (0.0339786, 0.0542473) | 5,044.7       | (3,904.7, 6,361.2) | 0.038157                 | (0.0295347, 0.0481150) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 45  | 5,101.2       | (3,955.1, 6,577.0) | 0.042288                 | (0.0327876, 0.0545227) | 2,609.7       | (2,013.5, 3,364.1) | 0.019739                 | (0.0152300, 0.0254457) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 45  | 950.8         | (666.9, 1,325.0)   | 0.007882                 | (0.0055287, 0.0109841) | 1,035.6       | (741.1, 1,409.5)   | 0.007833                 | (0.0056052, 0.0106609) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 45  | 2,263.0       | (1,682.0, 2,999.0) | 0.018760                 | (0.0139439, 0.0248611) | 3,084.6       | (2,267.3, 4,091.9) | 0.023331                 | (0.0171491, 0.0309505) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 45  | 984.6         | (684.0, 1,394.1)   | 0.008162                 | (0.0056701, 0.0115567) | 728.7         | (510.4, 1,015.7)   | 0.005512                 | (0.0038603, 0.0076827) |
| Nusa Tenggara Barat | Cirrhosis                                     | 45  | 3,004.2       | (2,224.1, 4,024.9) | 0.024905                 | (0.0184375, 0.0333658) | 1,914.6       | (1,422.5, 2,586.5) | 0.014482                 | (0.0107594, 0.0195641) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 45  | 1,985.9       | (1,494.6, 2,622.7) | 0.016463                 | (0.0123899, 0.0217418) | 1,331.7       | (975.4, 1,774.9)   | 0.010072                 | (0.0073779, 0.0134254) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 45  | 2,538.9       | (1,900.7, 3,342.9) | 0.021047                 | (0.0157566, 0.0277124) | 2,399.6       | (1,808.8, 3,115.4) | 0.018150                 | (0.0136815, 0.0235642) |
| Nusa Tenggara Barat | Drowning                                      | 45  | 181.0         | (74.0, 382.5)      | 0.001500                 | (0.0006136, 0.0031705) | 136.4         | (53.3, 289.4)      | 0.001032                 | (0.0004029, 0.0021889) |
| Nusa Tenggara Barat | Falls                                         | 45  | 578.2         | (351.8, 919.8)     | 0.004793                 | (0.0029165, 0.0076247) | 442.1         | (252.2, 690.3)     | 0.003344                 | (0.0019079, 0.0052213) |
| Nusa Tenggara Barat | Interpersonal violence                        | 45  | 133.4         | (74.7, 223.3)      | 0.001106                 | (0.0006196, 0.0018511) | 76.6          | (35.4, 155.8)      | 0.000579                 | (0.0002681, 0.0011783) |
| Nusa Tenggara Barat | Self-harm                                     | 45  | 212.3         | (117.0, 375.5)     | 0.001760                 | (0.0009698, 0.0031130) | 88.5          | (41.0, 172.4)      | 0.000670                 | (0.0003098, 0.0013040) |
| Nusa Tenggara Barat | Transport injuries                            | 45  | 2,533.7       | (1,837.6, 3,420.0) | 0.021004                 | (0.0152333, 0.0283517) | 1,166.3       | (786.4, 1,609.6)   | 0.008821                 | (0.0059484, 0.0121745) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 45  | 735.5         | (473.0, 1,110.9)   | 0.006098                 | (0.0039212, 0.0092093) | 338.8         | (202.7, 519.6)     | 0.002562                 | (0.0015335, 0.0039303) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 50  | 524.6         | (341.9, 775.8)     | 0.004910                 | (0.0032005, 0.0072612) | 806.9         | (537.8, 1,157.0)   | 0.007144                 | (0.0047615, 0.0102428) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 50  | 78.0          | (28.5, 163.8)      | 0.000731                 | (0.0002670, 0.0015335) | 78.8          | (28.0, 173.3)      | 0.000697                 | (0.0002480, 0.0015343) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 50  | 566.1         | (377.4, 830.2)     | 0.005299                 | (0.0035325, 0.0077703) | 576.3         | (385.3, 855.0)     | 0.005102                 | (0.0034113, 0.0075697) |
| Nusa Tenggara Barat | Malaria                                       | 50  | 188.9         | (83.5, 342.4)      | 0.001768                 | (0.0007812, 0.0032053) | 129.3         | (50.1, 260.0)      | 0.001145                 | (0.0004437, 0.0023021) |
| Nusa Tenggara Barat | Tuberculosis                                  | 50  | 4,474.0       | (3,385.9, 5,657.2) | 0.041876                 | (0.0316913, 0.0529511) | 2,622.0       | (1,929.3, 3,360.6) | 0.023212                 | (0.0170800, 0.0297512) |
| Nusa Tenggara Barat | Maternal disorders                            | 50  |               |                    |                          |                        | 136.2         | (41.3, 340.6)      | 0.001206                 | (0.0003659, 0.0030155) |
| Nusa Tenggara Barat | Other communicable diseases                   | 50  | 1,046.6       | (711.3, 1,451.8)   | 0.009796                 | (0.0066574, 0.0135886) | 1,275.7       | (867.5, 1,718.4)   | 0.011293                 | (0.0076801, 0.0152132) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 50  | 298.9         | (143.9, 549.4)     | 0.002797                 | (0.0013472, 0.0051428) | 124.6         | (54.8, 258.0)      | 0.001103                 | (0.0004848, 0.0022836) |
| Nusa Tenggara Barat | Breast cancer                                 | 50  | 31.7          | (14.4, 62.2)       | 0.000297                 | (0.0001352, 0.0005817) | 2,020.1       | (1,340.1, 2,847.8) | 0.017884                 | (0.0118640, 0.0252111) |
| Nusa Tenggara Barat | Cervical cancer                               | 50  |               |                    |                          |                        | 828.1         | (369.2, 1,461.2)   | 0.007331                 | (0.0032685, 0.0129362) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 50  | 2,206.6       | (1,609.9, 2,964.5) | 0.020654                 | (0.0150682, 0.0277477) | 1,679.7       | (1,115.0, 2,336.2) | 0.014871                 | (0.0098709, 0.0206818) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 50  | 7,321.7       | (5,613.3, 9,203.1) | 0.068530                 | (0.0525397, 0.0861402) | 6,951.7       | (5,418.3, 8,653.0) | 0.061543                 | (0.0479674, 0.0766044) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 50  | 6,417.7       | (4,930.4, 8,193.5) | 0.060069                 | (0.0461480, 0.0766906) | 3,217.4       | (2,482.3, 4,159.1) | 0.028484                 | (0.0219752, 0.0368205) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 50  | 1,286.3       | (887.8, 1,793.0)   | 0.012040                 | (0.0083099, 0.0167822) | 1,389.6       | (1,004.8, 1,868.9) | 0.012302                 | (0.0088958, 0.0165454) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 50  | 3,084.8       | (2,247.6, 4,112.3) | 0.028874                 | (0.0210374, 0.0384908) | 4,145.7       | (3,035.3, 5,396.2) | 0.036702                 | (0.0268709, 0.0477723) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 50  | 1,048.1       | (719.4, 1,465.8)   | 0.009810                 | (0.0067338, 0.0137200) | 771.6         | (531.5, 1,081.0)   | 0.006831                 | (0.0047052, 0.0095704) |
| Nusa Tenggara Barat | Cirrhosis                                     | 50  | 3,287.6       | (2,370.9, 4,364.4) | 0.030772                 | (0.0221919, 0.0408503) | 2,072.0       | (1,508.4, 2,794.7) | 0.018344                 | (0.0133535, 0.0247414) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 50  | 2,708.8       | (1,988.8, 3,594.9) | 0.025354                 | (0.0186146, 0.0336478) | 1,812.5       | (1,311.6, 2,390.3) | 0.016046                 | (0.0116115, 0.0211610) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 50  | 2,780.1       | (2,046.6, 3,619.1) | 0.026021                 | (0.0191564, 0.0338744) | 2,600.0       | (1,966.1, 3,380.0) | 0.023017                 | (0.0174054, 0.0299225) |
| Nusa Tenggara Barat | Drowning                                      | 50  | 140.8         | (55.4, 291.9)      | 0.001318                 | (0.0005189, 0.0027325) | 99.4          | (33.7, 217.8)      | 0.000880                 | (0.0002985, 0.0019285) |
| Nusa Tenggara Barat | Falls                                         | 50  | 689.9         | (417.2, 1,073.9)   | 0.006458                 | (0.0039049, 0.0100517) | 491.7         | (294.3, 760.7)     | 0.004353                 | (0.0026050, 0.0067344) |
| Nusa Tenggara Barat | Interpersonal violence                        | 50  | 103.8         | (54.6, 184.9)      | 0.000971                 | (0.0005110, 0.0017305) | 56.6          | (24.8, 116.5)      | 0.000501                 | (0.0002199, 0.0010317) |
| Nusa Tenggara Barat | Self-harm                                     | 50  | 181.3         | (94.4, 324.7)      | 0.001697                 | (0.0008839, 0.0030393) | 71.7          | (33.0, 140.2)      | 0.000635                 | (0.0002924, 0.0012410) |
| Nusa Tenggara Barat | Transport injuries                            | 50  | 2,070.8       | (1,405.4, 2,861.6) | 0.019383                 | (0.0131548, 0.0267841) | 883.7         | (580.1, 1,246.9)   | 0.007824                 | (0.0051353, 0.0110384) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 50  | 612.5         | (377.8, 906.5)     | 0.005733                 | (0.0035361, 0.0084845) | 264.2         | (160.4, 405.4)     | 0.002339                 | (0.0014202, 0.0035891) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 55  | 483.2         | (314.4, 695.3)     | 0.006497                 | (0.0042272, 0.0093482) | 740.8         | (512.8, 1,023.0)   | 0.010238                 | (0.0070871, 0.0141375) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 55  | 27.8          | (9.5, 61.4)        | 0.000373                 | (0.0001277, 0.0008259) | 27.4          | (8.4, 65.5)        | 0.000379                 | (0.0001164, 0.0009048) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 55  | 503.2         | (337.4, 734.1)     | 0.006766                 | (0.0045368, 0.0098703) | 513.8         | (347.6, 738.0)     | 0.007101                 | (0.0048032, 0.0101981) |
| Nusa Tenggara Barat | Malaria                                       | 55  | 156.3         | (69.7, 289.3)      | 0.002101                 | (0.0009370, 0.0038891) | 100.8         | (40.1, 206.6)      | 0.001393                 | (0.0005546, 0.0028546) |
| Nusa Tenggara Barat | Tuberculosis                                  | 55  | 3,359.9       | (2,544.4, 4,348.4) | 0.045173                 | (0.0342093, 0.0584641) | 1,849.2       | (1,386.8, 2,355.0) | 0.025554                 | (0.0191645, 0.0325440) |
| Nusa Tenggara Barat | Other communicable diseases                   | 55  | 849.2         | (569.8, 1,189.2)   | 0.011418                 | (0.0076609, 0.0159881) | 1,049.9       | (726.9, 1,411.2)   | 0.014508                 | (0.0100456, 0.0195022) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 55  | 282.8         | (136.9, 511.6)     | 0.003802                 | (0.0018412, 0.0068790) | 83.0          | (35.2, 167.1)      | 0.001147                 | (0.0004870, 0.0023086) |
| Nusa Tenggara Barat | Breast cancer                                 | 55  | 21.4          | (9.8, 41.4)        | 0.000288                 | (0.0001315, 0.0005570) | 1,243.2       | (814.0, 1,760.8)   | 0.017180                 | (0.0112483, 0.0243324) |
| Nusa Tenggara Barat | Cervical cancer                               | 55  |               |                    |                          |                        | 491.2         | (218.9, 910.3)     | 0.006787                 | (0.0030255, 0.0125802) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 55  | 1,456.7       | (1,060.5, 1,965.5) | 0.019585                 | (0.0142577, 0.0264257) | 1,232.9       | (831.3, 1,678.4)   | 0.017037                 | (0.0114885, 0.0231947) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 55  | 7,335.8       | (5,649.3, 9,214.7) | 0.098628                 | (0.0759538, 0.1238898) | 6,858.1       | (5,426.4, 8,413.6) | 0.094774                 | (0.0749892, 0.1162692) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 55  | 6,147.8       | (4,676.9, 7,798.0) | 0.082656                 | (0.0628801, 0.1048426) | 2,994.8       | (2,329.7, 3,784.0) | 0.041385                 | (0.0321949, 0.0522914) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 55  | 1,247.6       | (859.1, 1,744.0)   | 0.016774                 | (0.0115509, 0.0234476) | 1,311.0       | (957.9, 1,756.8)   | 0.018116                 | (0.0132377, 0.0242771) |



Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                       |                                 | Females                     |                                 |
|---------------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Diabetes mellitus                             | 55  | 2,790.5 (2,037.1, 3,673.3)  | 0.037518 (0.0273878, 0.0493870) | 3,635.2 (2,732.1, 4,601.3)  | 0.050235 (0.0377561, 0.0635871) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 55  | 859.5 (593.6, 1,193.0)      | 0.011556 (0.0079808, 0.0160393) | 605.7 (422.0, 836.5)        | 0.008371 (0.0058312, 0.0115602) |
| Nusa Tenggara Barat | Cirrhosis                                     | 55  | 2,547.2 (1,849.0, 3,431.5)  | 0.034247 (0.0248596, 0.0461356) | 1,600.8 (1,174.0, 2,126.9)  | 0.022122 (0.0162239, 0.0293918) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 55  | 2,526.6 (1,905.5, 3,300.6)  | 0.033969 (0.0256186, 0.0443763) | 1,630.5 (1,189.7, 2,092.7)  | 0.022532 (0.0164414, 0.0289198) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 55  | 2,472.7 (1,829.3, 3,226.4)  | 0.033245 (0.0245949, 0.0433780) | 2,270.6 (1,731.0, 2,923.9)  | 0.031378 (0.0239217, 0.0404067) |
| Nusa Tenggara Barat | Drowning                                      | 55  | 87.1 (33.5, 184.3)          | 0.001172 (0.0004511, 0.0024778) | 62.8 (21.0, 136.2)          | 0.000868 (0.0002899, 0.0018824) |
| Nusa Tenggara Barat | Falls                                         | 55  | 626.7 (389.4, 958.3)        | 0.008426 (0.0052353, 0.0128835) | 440.0 (273.3, 656.2)        | 0.006081 (0.0037773, 0.0090682) |
| Nusa Tenggara Barat | Interpersonal violence                        | 55  | 66.2 (34.8, 117.3)          | 0.000890 (0.0004679, 0.0015765) | 32.3 (13.2, 74.9)           | 0.000447 (0.0001821, 0.0010351) |
| Nusa Tenggara Barat | Self-harm                                     | 55  | 131.5 (70.7, 234.5)         | 0.001769 (0.0009503, 0.0031528) | 45.7 (20.6, 91.6)           | 0.000632 (0.0002844, 0.0012662) |
| Nusa Tenggara Barat | Transport injuries                            | 55  | 1,162.9 (799.4, 1,639.2)    | 0.015635 (0.0107479, 0.0220383) | 472.3 (295.8, 686.9)        | 0.006527 (0.0040882, 0.0094923) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 55  | 413.7 (257.9, 643.3)        | 0.005562 (0.0034674, 0.0086495) | 166.4 (97.4, 258.5)         | 0.002300 (0.0013460, 0.0035716) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 60  | 645.8 (427.1, 916.9)        | 0.010398 (0.0068764, 0.0147623) | 991.0 (703.2, 1,321.4)      | 0.015013 (0.0106519, 0.0200174) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 60  | 21.7 (6.4, 48.5)            | 0.000350 (0.0001035, 0.0007803) | 22.1 (6.2, 55.3)            | 0.000335 (0.0000943, 0.0008375) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 60  | 795.0 (525.2, 1,156.9)      | 0.012801 (0.0084556, 0.0186268) | 844.7 (590.4, 1,194.1)      | 0.012796 (0.0089443, 0.0180883) |
| Nusa Tenggara Barat | Malaria                                       | 60  | 180.5 (81.5, 334.8)         | 0.002907 (0.0013121, 0.0053909) | 119.4 (46.6, 248.2)         | 0.001808 (0.0007057, 0.0037598) |
| Nusa Tenggara Barat | Tuberculosis                                  | 60  | 4,217.8 (3,178.6, 5,342.5)  | 0.067909 (0.0511783, 0.0860174) | 2,487.7 (1,918.8, 3,102.3)  | 0.037686 (0.0290669, 0.0469955) |
| Nusa Tenggara Barat | Other communicable diseases                   | 60  | 833.8 (541.2, 1,176.0)      | 0.013425 (0.0087138, 0.0189348) | 1,026.2 (697.6, 1,402.9)    | 0.015545 (0.0105680, 0.0212518) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 60  | 321.1 (153.0, 577.4)        | 0.005169 (0.0024633, 0.0092963) | 85.5 (38.1, 172.5)          | 0.001296 (0.0005767, 0.0026137) |
| Nusa Tenggara Barat | Breast cancer                                 | 60  | 18.8 (7.8, 35.2)            | 0.000302 (0.0001256, 0.0005673) | 1,017.1 (653.9, 1,486.8)    | 0.015407 (0.0099054, 0.0225228) |
| Nusa Tenggara Barat | Cervical cancer                               | 60  |                             |                                 | 421.7 (182.0, 775.6)        | 0.006388 (0.0027573, 0.0117500) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 60  | 1,462.6 (1,050.2, 1,978.8)  | 0.023550 (0.0169089, 0.0318608) | 1,434.1 (985.6, 1,917.0)    | 0.021725 (0.0149307, 0.0290395) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 60  | 9,069.9 (6,986.5, 11,188.7) | 0.146031 (0.1124869, 0.1801450) | 8,849.8 (7,223.5, 10,633.9) | 0.134062 (0.1094255, 0.1610889) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 60  | 6,637.9 (5,116.1, 8,270.6)  | 0.106875 (0.0823726, 0.1331627) | 3,573.0 (2,828.1, 4,457.7)  | 0.054126 (0.0428421, 0.0675273) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 60  | 1,528.1 (1,068.6, 2,083.0)  | 0.024603 (0.0172047, 0.0335373) | 1,641.9 (1,226.3, 2,179.0)  | 0.024872 (0.0185767, 0.0330094) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 60  | 2,732.7 (1,978.9, 3,565.8)  | 0.043999 (0.0318611, 0.0574117) | 3,777.4 (2,905.9, 4,802.4)  | 0.057223 (0.0440203, 0.0727502) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 60  | 852.7 (586.3, 1,177.5)      | 0.013729 (0.0094403, 0.0189588) | 635.8 (447.4, 869.8)        | 0.009632 (0.0067771, 0.0131766) |
| Nusa Tenggara Barat | Cirrhosis                                     | 60  | 2,500.4 (1,832.1, 3,392.3)  | 0.040258 (0.0294986, 0.0546181) | 1,637.5 (1,220.3, 2,141.7)  | 0.024806 (0.0184860, 0.0324437) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 60  | 3,890.7 (2,958.0, 4,970.2)  | 0.062643 (0.0476257, 0.0800239) | 2,534.0 (1,974.2, 3,158.2)  | 0.038387 (0.0299063, 0.0478420) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 60  | 3,110.8 (2,289.5, 3,981.1)  | 0.050086 (0.0368619, 0.0640984) | 2,955.7 (2,308.0, 3,708.9)  | 0.044775 (0.0349624, 0.0561850) |
| Nusa Tenggara Barat | Drowning                                      | 60  | 82.4 (29.8, 186.5)          | 0.001328 (0.0004799, 0.0030022) | 59.0 (18.3, 145.8)          | 0.000894 (0.0002765, 0.0022080) |
| Nusa Tenggara Barat | Falls                                         | 60  | 633.1 (397.5, 972.3)        | 0.010194 (0.0064001, 0.0156554) | 443.6 (281.1, 657.9)        | 0.006720 (0.0042586, 0.0099662) |
| Nusa Tenggara Barat | Interpersonal violence                        | 60  | 48.6 (24.1, 91.2)           | 0.000782 (0.0003872, 0.0014683) | 24.6 (9.3, 60.1)            | 0.000373 (0.0001411, 0.0009099) |
| Nusa Tenggara Barat | Self-harm                                     | 60  | 107.1 (56.0, 195.9)         | 0.001725 (0.0009012, 0.0031541) | 38.6 (17.5, 79.3)           | 0.000585 (0.0002645, 0.0012012) |
| Nusa Tenggara Barat | Transport injuries                            | 60  | 1,128.3 (778.1, 1,580.5)    | 0.018167 (0.0125286, 0.0254466) | 461.0 (297.8, 661.8)        | 0.006984 (0.0045119, 0.0100252) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 60  | 375.1 (228.9, 560.5)        | 0.006040 (0.0036861, 0.0090242) | 153.4 (88.3, 243.4)         | 0.002324 (0.0013374, 0.0036875) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 65  | 866.5 (593.2, 1,219.3)      | 0.020400 (0.0139663, 0.0287058) | 1,300.8 (955.3, 1,661.7)    | 0.028568 (0.0240813, 0.0364946) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 65  | 16.4 (5.7, 37.3)            | 0.000387 (0.0001336, 0.0008784) | 17.1 (5.3, 39.6)            | 0.000375 (0.0001153, 0.0008698) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 65  | 746.0 (500.8, 1,088.4)      | 0.017563 (0.0117903, 0.0256252) | 794.0 (560.9, 1,084.7)      | 0.017439 (0.0123179, 0.0238230) |
| Nusa Tenggara Barat | Malaria                                       | 65  | 147.2 (65.1, 274.6)         | 0.003464 (0.0015338, 0.0064647) | 98.8 (39.2, 199.0)          | 0.002170 (0.0008615, 0.0043695) |
| Nusa Tenggara Barat | Tuberculosis                                  | 65  | 3,479.9 (2,594.9, 4,477.1)  | 0.081928 (0.0610927, 0.1054066) | 2,146.3 (1,637.4, 2,647.9)  | 0.047137 (0.0359604, 0.0581530) |
| Nusa Tenggara Barat | Other communicable diseases                   | 65  | 659.7 (432.2, 929.8)        | 0.015533 (0.0101750, 0.0218917) | 787.9 (541.4, 1,056.7)      | 0.017304 (0.0118904, 0.0232074) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 65  | 232.5 (110.9, 421.6)        | 0.005475 (0.0026108, 0.0099258) | 55.0 (26.1, 107.9)          | 0.001208 (0.0005739, 0.0023690) |
| Nusa Tenggara Barat | Breast cancer                                 | 65  | 10.3 (4.0, 20.2)            | 0.000243 (0.0000945, 0.0004749) | 617.4 (395.4, 909.5)        | 0.013559 (0.0086838, 0.0199749) |
| Nusa Tenggara Barat | Cervical cancer                               | 65  |                             |                                 | 215.2 (89.5, 419.6)         | 0.004725 (0.0019646, 0.0092144) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 65  | 899.2 (636.7, 1,227.5)      | 0.021171 (0.0149901, 0.0288994) | 1,172.3 (829.0, 1,545.4)    | 0.025747 (0.0182078, 0.0339404) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 65  | 7,672.3 (5,837.3, 9,546.8)  | 0.180633 (0.1374304, 0.2247636) | 8,045.1 (6,578.0, 9,491.1)  | 0.176689 (0.1444682, 0.2084462) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 65  | 5,244.6 (3,971.2, 6,625.6)  | 0.123477 (0.0934958, 0.1559887) | 3,053.0 (2,431.5, 3,743.5)  | 0.067050 (0.0534004, 0.0822151) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 65  | 1,357.7 (940.5, 1,861.6)    | 0.031965 (0.0221416, 0.0438281) | 1,595.7 (1,215.1, 2,078.5)  | 0.035045 (0.0266870, 0.0456491) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 65  | 1,755.4 (1,248.7, 2,337.1)  | 0.041329 (0.0293987, 0.0550241) | 2,695.2 (2,049.0, 3,355.7)  | 0.059192 (0.0450000, 0.0736995) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 65  | 635.9 (438.1, 875.2)        | 0.014971 (0.0103140, 0.0206058) | 526.7 (381.5, 711.0)        | 0.011568 (0.0083780, 0.0156154) |
| Nusa Tenggara Barat | Cirrhosis                                     | 65  | 1,588.8 (1,156.0, 2,166.2)  | 0.037407 (0.0272156, 0.0510000) | 1,119.9 (848.2, 1,451.7)    | 0.024595 (0.0186288, 0.0318826) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 65  | 3,416.6 (2,600.8, 4,398.0)  | 0.080439 (0.0612313, 0.1035429) | 2,458.3 (1,911.3, 3,019.4)  | 0.053991 (0.0419773, 0.0663119) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|---------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                     |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Nusa Tenggara Barat | Other non-communicable diseases               | 65  | 2,816.6       | (2,063.7, 3,668.8) | 0.066312                 | (0.0485867, 0.0863752) | 2,900.3       | (2,288.7, 3,584.9) | 0.063697                 | (0.0502658, 0.0787317) |
| Nusa Tenggara Barat | Drowning                                      | 65  | 53.8          | (18.3, 125.1)      | 0.001267                 | (0.0004316, 0.0029452) | 37.3          | (11.4, 87.9)       | 0.000819                 | (0.0002496, 0.0019307) |
| Nusa Tenggara Barat | Falls                                         | 65  | 523.7         | (327.6, 792.1)     | 0.012330                 | (0.0077124, 0.0186489) | 365.6         | (235.6, 543.2)     | 0.008029                 | (0.0051752, 0.0119294) |
| Nusa Tenggara Barat | Interpersonal violence                        | 65  | 29.1          | (13.9, 56.7)       | 0.000684                 | (0.0003272, 0.0013356) | 15.5          | (5.7, 35.4)        | 0.000341                 | (0.0001243, 0.0007779) |
| Nusa Tenggara Barat | Self-harm                                     | 65  | 73.3          | (36.5, 138.1)      | 0.001726                 | (0.0008585, 0.0032519) | 28.4          | (12.8, 57.1)       | 0.000623                 | (0.0002806, 0.0012534) |
| Nusa Tenggara Barat | Transport injuries                            | 65  | 737.4         | (491.0, 1,056.3)   | 0.017361                 | (0.0115602, 0.0248698) | 305.0         | (190.2, 435.9)     | 0.006699                 | (0.0041763, 0.0095742) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 65  | 266.7         | (162.4, 410.4)     | 0.006278                 | (0.0038226, 0.0096614) | 112.6         | (65.2, 174.6)      | 0.002472                 | (0.0014316, 0.0038353) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 70  | 1,126.1       | (789.5, 1,516.6)   | 0.036194                 | (0.0253751, 0.0487446) | 1,642.7       | (1,276.3, 2,054.0) | 0.048514                 | (0.0376950, 0.0606622) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 70  | 20.0          | (6.5, 46.4)        | 0.000642                 | (0.0002083, 0.0014900) | 20.4          | (6.0, 52.5)        | 0.000603                 | (0.0001777, 0.0015510) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 70  | 859.6         | (587.4, 1,227.6)   | 0.027627                 | (0.0188785, 0.0394569) | 954.3         | (701.3, 1,286.2)   | 0.028185                 | (0.0207121, 0.0379847) |
| Nusa Tenggara Barat | Malaria                                       | 70  | 127.7         | (53.1, 236.7)      | 0.004105                 | (0.0017082, 0.0076091) | 78.1          | (29.0, 164.4)      | 0.002307                 | (0.0008550, 0.0048562) |
| Nusa Tenggara Barat | Tuberculosis                                  | 70  | 3,293.2       | (2,463.4, 4,206.7) | 0.105846                 | (0.0791765, 0.1352075) | 1,982.4       | (1,555.1, 2,439.1) | 0.058547                 | (0.0459282, 0.0720339) |
| Nusa Tenggara Barat | Other communicable diseases                   | 70  | 632.8         | (398.8, 895.0)     | 0.020337                 | (0.0128193, 0.0287661) | 752.9         | (516.7, 1,034.9)   | 0.022236                 | (0.0152603, 0.0305654) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 70  | 175.9         | (82.2, 326.8)      | 0.005653                 | (0.0026406, 0.0105033) | 42.0          | (19.3, 85.1)       | 0.001240                 | (0.0005695, 0.0025134) |
| Nusa Tenggara Barat | Breast cancer                                 | 70  | 7.4           | (2.4, 15.7)        | 0.000237                 | (0.0000767, 0.0005060) | 329.3         | (207.0, 493.8)     | 0.009725                 | (0.0061149, 0.0145827) |
| Nusa Tenggara Barat | Cervical cancer                               | 70  |               |                    |                          |                        | 111.0         | (45.6, 207.9)      | 0.003277                 | (0.0013470, 0.0061395) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 70  | 625.9         | (448.9, 847.0)     | 0.020116                 | (0.0144290, 0.0272245) | 846.5         | (619.2, 1,103.3)   | 0.025002                 | (0.0182863, 0.0325847) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 70  | 7,066.4       | (5,395.5, 8,812.5) | 0.227123                 | (0.1734171, 0.2832427) | 7,793.9       | (6,602.4, 9,020.5) | 0.230182                 | (0.1949907, 0.2664073) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 70  | 4,561.0       | (3,433.7, 5,767.8) | 0.146596                 | (0.1103639, 0.1853841) | 2,877.7       | (2,398.2, 3,477.9) | 0.084988                 | (0.0708266, 0.1027157) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 70  | 1,355.8       | (933.9, 1,871.9)   | 0.043576                 | (0.0300170, 0.0601648) | 1,591.0       | (1,223.5, 2,052.8) | 0.046987                 | (0.0361356, 0.0606252) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 70  | 1,182.0       | (837.9, 1,581.7)   | 0.037990                 | (0.0269321, 0.0508381) | 1,874.8       | (1,432.9, 2,334.8) | 0.055369                 | (0.0423184, 0.0689545) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 70  | 504.1         | (347.1, 700.8)     | 0.016201                 | (0.0111558, 0.0225252) | 420.6         | (306.5, 565.1)     | 0.012421                 | (0.0090518, 0.0166881) |
| Nusa Tenggara Barat | Cirrhosis                                     | 70  | 1,195.1       | (864.5, 1,657.1)   | 0.038412                 | (0.0277850, 0.0532619) | 893.0         | (675.5, 1,152.6)   | 0.026372                 | (0.0199511, 0.0340404) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 70  | 3,803.9       | (2,881.7, 4,809.0) | 0.122262                 | (0.0926198, 0.1545666) | 2,680.4       | (2,149.3, 3,249.7) | 0.079163                 | (0.0634756, 0.0959749) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 70  | 2,811.1       | (2,056.8, 3,614.0) | 0.090352                 | (0.0661063, 0.1161583) | 2,974.9       | (2,421.9, 3,630.5) | 0.087861                 | (0.0715262, 0.1072222) |
| Nusa Tenggara Barat | Drowning                                      | 70  | 73.0          | (30.1, 147.3)      | 0.002348                 | (0.0009679, 0.0047349) | 56.3          | (20.5, 117.0)      | 0.001663                 | (0.0006052, 0.0034558) |
| Nusa Tenggara Barat | Falls                                         | 70  | 484.8         | (303.3, 721.7)     | 0.015584                 | (0.0097476, 0.0231953) | 362.9         | (233.8, 513.7)     | 0.010717                 | (0.0069059, 0.0151717) |
| Nusa Tenggara Barat | Interpersonal violence                        | 70  | 18.4          | (7.7, 39.1)        | 0.000591                 | (0.0002462, 0.0012556) | 9.4           | (3.1, 22.9)        | 0.000277                 | (0.0000905, 0.0006776) |
| Nusa Tenggara Barat | Self-harm                                     | 70  | 55.2          | (27.2, 102.2)      | 0.001774                 | (0.0008751, 0.0032855) | 19.9          | (8.5, 40.6)        | 0.000588                 | (0.0002516, 0.0011981) |
| Nusa Tenggara Barat | Transport injuries                            | 70  | 593.7         | (380.3, 846.0)     | 0.019082                 | (0.0122222, 0.0271925) | 254.4         | (161.3, 368.0)     | 0.007514                 | (0.0047642, 0.0108675) |
| Nusa Tenggara Barat | Other unintentional injuries                  | 70  | 223.5         | (134.3, 336.8)     | 0.007182                 | (0.0043171, 0.0108235) | 94.7          | (53.4, 148.9)      | 0.002798                 | (0.0015781, 0.0043968) |
| Nusa Tenggara Barat | Diarrheal diseases                            | 75  | 676.5         | (468.3, 925.1)     | 0.046560                 | (0.0322319, 0.0636721) | 1,225.8       | (965.0, 1,504.5)   | 0.068601                 | (0.0540052, 0.0841935) |
| Nusa Tenggara Barat | HIV/AIDS                                      | 75  | 8.0           | (2.5, 18.8)        | 0.000550                 | (0.0001749, 0.0012938) | 9.7           | (3.0, 23.3)        | 0.000545                 | (0.0001654, 0.0013052) |
| Nusa Tenggara Barat | Lower respiratory infections                  | 75  | 456.5         | (301.7, 660.7)     | 0.031420                 | (0.0207641, 0.0454699) | 631.5         | (465.9, 853.7)     | 0.035340                 | (0.0260730, 0.0477728) |
| Nusa Tenggara Barat | Malaria                                       | 75  | 68.8          | (29.4, 136.0)      | 0.004733                 | (0.0020226, 0.0093615) | 48.2          | (18.8, 99.1)       | 0.002695                 | (0.0010530, 0.0055471) |
| Nusa Tenggara Barat | Tuberculosis                                  | 75  | 1,507.0       | (1,092.5, 1,982.1) | 0.103717                 | (0.0751865, 0.1364122) | 1,028.3       | (808.0, 1,267.8)   | 0.057548                 | (0.0452182, 0.0709472) |
| Nusa Tenggara Barat | Other communicable diseases                   | 75  | 301.4         | (184.9, 444.7)     | 0.020744                 | (0.0127280, 0.0306053) | 458.2         | (321.1, 630.5)     | 0.025641                 | (0.0179687, 0.0352826) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer           | 75  | 74.8          | (34.0, 137.5)      | 0.005150                 | (0.0023427, 0.0094653) | 19.8          | (8.7, 40.3)        | 0.001110                 | (0.0004855, 0.0022567) |
| Nusa Tenggara Barat | Breast cancer                                 | 75  | 2.6           | (0.8, 6.1)         | 0.000177                 | (0.0000519, 0.0004182) | 127.8         | (75.1, 202.9)      | 0.007155                 | (0.0042025, 0.0113524) |
| Nusa Tenggara Barat | Cervical cancer                               | 75  |               |                    |                          |                        | 41.3          | (17.0, 83.3)       | 0.002310                 | (0.0009526, 0.0046632) |
| Nusa Tenggara Barat | Other malignant neoplasms                     | 75  | 241.2         | (164.5, 339.9)     | 0.016601                 | (0.0113195, 0.0233905) | 441.5         | (326.9, 572.0)     | 0.024705                 | (0.0182918, 0.0320100) |
| Nusa Tenggara Barat | Cerebrovascular disease                       | 75  | 3,560.3       | (2,660.8, 4,590.8) | 0.245033                 | (0.1831238, 0.3159538) | 5,008.1       | (4,346.1, 5,719.6) | 0.280265                 | (0.2432197, 0.3200835) |
| Nusa Tenggara Barat | Ischemic heart disease                        | 75  | 2,543.1       | (1,885.9, 3,307.2) | 0.175023                 | (0.1297938, 0.2276111) | 1,992.6       | (1,660.1, 2,383.7) | 0.111512                 | (0.0929030, 0.1333963) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases | 75  | 710.6         | (472.9, 1,005.7)   | 0.048903                 | (0.0325459, 0.0692153) | 1,035.4       | (800.6, 1,316.0)   | 0.057945                 | (0.0448034, 0.0736484) |
| Nusa Tenggara Barat | Diabetes mellitus                             | 75  | 506.9         | (347.7, 700.1)     | 0.034887                 | (0.0239300, 0.0481843) | 995.3         | (762.6, 1,225.7)   | 0.055701                 | (0.0426784, 0.0685942) |
| Nusa Tenggara Barat | Chronic kidney disease                        | 75  | 233.4         | (154.6, 327.0)     | 0.016063                 | (0.0106373, 0.0225083) | 235.2         | (170.3, 317.5)     | 0.013165                 | (0.0095307, 0.0177681) |
| Nusa Tenggara Barat | Cirrhosis                                     | 75  | 523.8         | (368.4, 741.2)     | 0.036053                 | (0.0253528, 0.0510105) | 503.8         | (383.1, 647.7)     | 0.028192                 | (0.0214366, 0.0362480) |
| Nusa Tenggara Barat | Chronic respiratory diseases                  | 75  | 1,927.1       | (1,427.0, 2,544.9) | 0.132632                 | (0.0982143, 0.1751500) | 1,641.1       | (1,326.0, 1,961.5) | 0.091838                 | (0.0742036, 0.1097700) |
| Nusa Tenggara Barat | Other non-communicable diseases               | 75  | 1,631.0       | (1,174.9, 2,171.4) | 0.112248                 | (0.0808642, 0.1494447) | 2,172.3       | (1,801.8, 2,624.5) | 0.121570                 | (0.1008351, 0.1468749) |
| Nusa Tenggara Barat | Drowning                                      | 75  | 47.0          | (19.5, 93.3)       | 0.003232                 | (0.0013401, 0.0064241) | 48.4          | (18.6, 96.2)       | 0.002710                 | (0.0010400, 0.0053835) |
| Nusa Tenggara Barat | Falls                                         | 75  | 275.8         | (172.5, 411.0)     | 0.018982                 | (0.0118695, 0.0282836) | 264.0         | (177.4, 372.8)     | 0.014773                 | (0.0099253, 0.0208646) |
| Nusa Tenggara Barat | Interpersonal violence                        | 75  | 7.3           | (2.4, 17.8)        | 0.000499                 | (0.0001647, 0.0012251) | 4.1           | (1.1, 12.1)        | 0.000227                 | (0.0000600, 0.0006774) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|---------------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                     |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Nusa Tenggara Barat | Self-harm                                                | 75  | 26.8 (13.0, 50.6)             | 0.001844 (0.0008951, 0.0034852) | 10.4 (4.2, 21.6)              | 0.000582 (0.0002351, 0.0012087) |
| Nusa Tenggara Barat | Transport injuries                                       | 75  | 214.3 (127.5, 342.2)          | 0.014747 (0.0087756, 0.0235482) | 112.7 (67.1, 171.3)           | 0.006306 (0.0037537, 0.0095854) |
| Nusa Tenggara Barat | Other unintentional injuries                             | 75  | 106.1 (60.4, 175.3)           | 0.007300 (0.0041586, 0.0120649) | 53.1 (28.7, 88.5)             | 0.002969 (0.0016059, 0.0049554) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | 80  | 1,462.6 (1,126.2, 1,854.0)    | 0.115589 (0.0890088, 0.1465297) | 2,752.6 (2,305.0, 3,277.8)    | 0.148389 (0.1242574, 0.1767016) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | 80  | 10.6 (2.7, 28.1)              | 0.000837 (0.0002166, 0.0022226) | 15.6 (4.1, 42.4)              | 0.000842 (0.0002189, 0.0022834) |
| Nusa Tenggara Barat | Lower respiratory infections                             | 80  | 695.5 (494.8, 959.5)          | 0.054970 (0.0391039, 0.0758288) | 1,031.0 (768.0, 1,348.8)      | 0.055582 (0.0414028, 0.0727138) |
| Nusa Tenggara Barat | Malaria                                                  | 80  | 93.1 (35.7, 198.9)            | 0.007361 (0.0028210, 0.0157157) | 91.4 (33.8, 195.1)            | 0.004929 (0.0018224, 0.0105172) |
| Nusa Tenggara Barat | Tuberculosis                                             | 80  | 1,734.0 (1,375.3, 2,152.0)    | 0.137044 (0.1086943, 0.1700748) | 1,781.3 (1,450.9, 2,130.1)    | 0.096025 (0.0782141, 0.1148296) |
| Nusa Tenggara Barat | Other communicable diseases                              | 80  | 448.6 (296.6, 636.1)          | 0.035456 (0.0234391, 0.0502761) | 647.7 (448.0, 872.4)          | 0.034918 (0.0241485, 0.0470310) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer                      | 80  | 67.8 (30.1, 132.6)            | 0.005359 (0.0023823, 0.0104816) | 26.2 (11.1, 52.4)             | 0.001413 (0.0006010, 0.0028234) |
| Nusa Tenggara Barat | Breast cancer                                            | 80  | 2.2 (0.6, 5.7)                | 0.000175 (0.0000450, 0.0004529) | 155.0 (82.7, 256.1)           | 0.008355 (0.0044562, 0.0138051) |
| Nusa Tenggara Barat | Cervical cancer                                          | 80  |                               |                                 | 32.2 (11.2, 71.6)             | 0.001738 (0.0006045, 0.0038609) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | 80  | 228.3 (167.5, 308.7)          | 0.018046 (0.0132353, 0.0243981) | 580.0 (420.8, 763.1)          | 0.031267 (0.0226851, 0.0411365) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | 80  | 4,207.8 (3,475.6, 5,040.3)    | 0.332557 (0.2746889, 0.3983511) | 7,602.7 (6,783.5, 8,455.5)    | 0.409848 (0.3656900, 0.4558224) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | 80  | 2,693.2 (2,174.7, 3,308.0)    | 0.212850 (0.1718710, 0.2614428) | 3,163.6 (2,706.4, 3,677.8)    | 0.170545 (0.1458985, 0.1982667) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | 80  | 778.7 (565.9, 1,033.2)        | 0.061540 (0.0447271, 0.0816596) | 1,562.0 (1,226.9, 1,965.3)    | 0.084207 (0.0661400, 0.1059470) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | 80  | 468.7 (343.0, 622.3)          | 0.037043 (0.0271060, 0.0491801) | 1,312.7 (1,034.4, 1,638.1)    | 0.070764 (0.0557634, 0.0883090) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | 80  | 220.7 (157.0, 298.3)          | 0.017446 (0.0124115, 0.0235772) | 339.3 (249.2, 452.3)          | 0.018289 (0.0134366, 0.0243814) |
| Nusa Tenggara Barat | Cirrhosis                                                | 80  | 527.3 (386.8, 702.2)          | 0.041678 (0.0305717, 0.0554971) | 610.1 (473.2, 788.6)          | 0.032887 (0.0255091, 0.0425120) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | 80  | 2,295.7 (1,859.0, 2,813.0)    | 0.181438 (0.1469229, 0.2223201) | 2,690.9 (2,269.7, 3,146.0)    | 0.145064 (0.1223534, 0.1695974) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | 80  | 2,116.3 (1,665.6, 2,616.7)    | 0.167256 (0.1316341, 0.2068026) | 3,723.1 (3,136.9, 4,315.4)    | 0.200706 (0.1691049, 0.2326334) |
| Nusa Tenggara Barat | Drowning                                                 | 80  | 56.3 (22.6, 123.8)            | 0.004448 (0.0017857, 0.0097851) | 44.5 (16.5, 94.9)             | 0.002401 (0.0008889, 0.0051141) |
| Nusa Tenggara Barat | Falls                                                    | 80  | 424.1 (278.6, 601.3)          | 0.033515 (0.0220192, 0.0475221) | 378.4 (261.8, 514.7)          | 0.020398 (0.0141118, 0.0277490) |
| Nusa Tenggara Barat | Interpersonal violence                                   | 80  | 6.1 (1.3, 18.6)               | 0.000484 (0.0001037, 0.0014724) | 5.3 (1.1, 16.6)               | 0.000287 (0.0000618, 0.0008924) |
| Nusa Tenggara Barat | Self-harm                                                | 80  | 26.7 (11.6, 51.7)             | 0.002110 (0.0009155, 0.0040887) | 17.9 (7.2, 36.5)              | 0.000964 (0.0003897, 0.0019695) |
| Nusa Tenggara Barat | Transport injuries                                       | 80  | 211.8 (130.2, 338.5)          | 0.016736 (0.0102872, 0.0267561) | 119.6 (70.8, 187.8)           | 0.006449 (0.0038164, 0.0101247) |
| Nusa Tenggara Barat | Other unintentional injuries                             | 80  | 112.2 (59.9, 190.7)           | 0.008869 (0.0047304, 0.0150722) | 69.9 (36.8, 117.1)            | 0.003768 (0.0019862, 0.0063151) |
| Nusa Tenggara Barat | Diarrheal diseases                                       | All | 17,950.4 (12,735.8, 25,356.9) | 0.007615 (0.0054028, 0.0107570) | 23,455.5 (17,225.9, 32,023.8) | 0.009395 (0.0068998, 0.0128271) |
| Nusa Tenggara Barat | HIV/AIDS                                                 | All | 5,826.2 (2,879.1, 10,171.3)   | 0.002472 (0.0012214, 0.0043149) | 4,134.8 (2,042.7, 7,371.5)    | 0.001656 (0.0008182, 0.0029526) |
| Nusa Tenggara Barat | Lower respiratory infections                             | All | 39,471.0 (25,690.4, 56,791.4) | 0.016745 (0.0108985, 0.0240923) | 30,134.5 (19,918.9, 43,288.9) | 0.012070 (0.0079785, 0.0173393) |
| Nusa Tenggara Barat | Malaria                                                  | All | 4,260.5 (2,031.3, 7,558.9)    | 0.001807 (0.0008617, 0.0032067) | 2,649.0 (1,267.4, 4,866.8)    | 0.001061 (0.0005077, 0.0019494) |
| Nusa Tenggara Barat | Tuberculosis                                             | All | 58,588.6 (45,942.4, 73,036.5) | 0.024855 (0.0194899, 0.0309839) | 32,297.7 (25,548.1, 39,852.9) | 0.012937 (0.0102333, 0.0159630) |
| Nusa Tenggara Barat | Maternal disorders                                       | All |                               |                                 | 9,110.7 (6,474.4, 12,632.7)   | 0.003649 (0.0025933, 0.0050600) |
| Nusa Tenggara Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 33,487.7 (15,738.0, 54,911.5) | 0.014206 (0.0066765, 0.0232948) | 21,229.5 (9,827.7, 38,401.2)  | 0.008503 (0.0039365, 0.0153815) |
| Nusa Tenggara Barat | Preterm birth complications                              | All | 42,918.7 (20,836.2, 71,705.5) | 0.018207 (0.0088392, 0.0304192) | 35,444.1 (17,458.8, 62,819.3) | 0.014197 (0.0069931, 0.0251622) |
| Nusa Tenggara Barat | Other neonatal disorders                                 | All | 13,315.3 (4,579.6, 27,061.8)  | 0.005649 (0.0019428, 0.0114803) | 7,926.6 (2,673.0, 17,599.8)   | 0.003175 (0.0010707, 0.0070496) |
| Nusa Tenggara Barat | Other communicable diseases                              | All | 38,213.7 (26,742.8, 53,362.0) | 0.016211 (0.0113449, 0.0226374) | 33,711.7 (23,925.2, 48,019.1) | 0.013503 (0.0095832, 0.0192340) |
| Nusa Tenggara Barat | Tracheal, bronchus, and lung cancer                      | All | 2,463.4 (1,254.9, 4,269.1)    | 0.001045 (0.0005324, 0.0018110) | 912.6 (441.4, 1,680.1)        | 0.000366 (0.0001768, 0.0006730) |
| Nusa Tenggara Barat | Breast cancer                                            | All | 218.6 (98.8, 423.8)           | 0.000093 (0.0000419, 0.0001798) | 16,305.3 (11,353.1, 22,539.7) | 0.006531 (0.0045475, 0.0090283) |
| Nusa Tenggara Barat | Cervical cancer                                          | All |                               |                                 | 5,130.9 (2,247.1, 9,284.3)    | 0.002055 (0.0009001, 0.0037188) |
| Nusa Tenggara Barat | Other malignant neoplasms                                | All | 25,684.3 (19,728.4, 33,293.7) | 0.010896 (0.0083693, 0.0141240) | 23,986.7 (18,088.5, 30,765.3) | 0.009608 (0.0072453, 0.0123230) |
| Nusa Tenggara Barat | Cerebrovascular disease                                  | All | 62,004.7 (48,502.2, 76,567.4) | 0.026304 (0.0205758, 0.0324817) | 65,317.3 (53,991.2, 77,785.0) | 0.026163 (0.0216261, 0.0311567) |
| Nusa Tenggara Barat | Ischemic heart disease                                   | All | 52,387.2 (40,590.3, 66,256.2) | 0.022224 (0.0172194, 0.0281075) | 29,804.2 (24,237.8, 37,055.7) | 0.011938 (0.0097084, 0.0148426) |
| Nusa Tenggara Barat | Other cardiovascular and circulatory diseases            | All | 12,543.0 (8,947.6, 17,062.8)  | 0.005321 (0.0037958, 0.0072385) | 14,577.2 (11,124.9, 19,011.8) | 0.005839 (0.0044561, 0.0076151) |
| Nusa Tenggara Barat | Diabetes mellitus                                        | All | 18,605.6 (13,919.9, 24,442.6) | 0.007893 (0.0059052, 0.0103691) | 26,599.3 (20,334.2, 34,023.2) | 0.010654 (0.0081448, 0.0136279) |
| Nusa Tenggara Barat | Chronic kidney disease                                   | All | 11,034.6 (7,889.6, 14,939.3)  | 0.004681 (0.0033469, 0.0063376) | 8,892.6 (6,538.4, 12,060.4)   | 0.003562 (0.0026190, 0.0048308) |
| Nusa Tenggara Barat | Cirrhosis                                                | All | 28,504.7 (21,499.5, 38,405.0) | 0.012092 (0.0091206, 0.0162923) | 17,761.3 (13,631.7, 23,113.3) | 0.007114 (0.0054601, 0.0092580) |
| Nusa Tenggara Barat | Chronic respiratory diseases                             | All | 32,496.7 (25,174.5, 41,761.5) | 0.013786 (0.0106796, 0.0177162) | 22,774.2 (17,980.7, 27,912.6) | 0.009122 (0.0072021, 0.0111803) |
| Nusa Tenggara Barat | Other non-communicable diseases                          | All | 61,014.0 (46,886.8, 78,424.5) | 0.025884 (0.0198905, 0.0332696) | 60,185.3 (46,813.4, 75,296.5) | 0.024107 (0.0187510, 0.0301599) |
| Nusa Tenggara Barat | Drowning                                                 | All | 9,652.6 (5,796.3, 15,532.8)   | 0.004095 (0.0024589, 0.0065894) | 3,896.3 (2,179.8, 6,279.4)    | 0.001561 (0.0008731, 0.0025152) |
| Nusa Tenggara Barat | Falls                                                    | All | 9,090.6 (6,050.0, 12,875.1)   | 0.003856 (0.0025666, 0.0054619) | 5,544.4 (3,664.7, 7,902.4)    | 0.002221 (0.0014679, 0.0031653) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                         |
|---------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|-------------------------|
|                     |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                         |
| Nusa Tenggara Barat | Interpersonal violence                                   | All | 3,732.9       | (2,322.9, 5,768.5)   | 0.001584                 | (0.0009854, 0.0024471) | 2,332.6       | (1,365.8, 3,697.8)   | 0.000934                 | (0.0005471, 0.0014811)  |
| Nusa Tenggara Barat | Self-harm                                                | All | 4,139.4       | (2,368.5, 6,713.0)   | 0.001756                 | (0.0010048, 0.0028478) | 2,038.0       | (1,164.8, 3,355.0)   | 0.000816                 | (0.0004666, 0.0013438)  |
| Nusa Tenggara Barat | Transport injuries                                       | All | 47,767.9      | (37,647.7, 60,874.9) | 0.020264                 | (0.0159710, 0.0258246) | 18,021.1      | (13,828.1, 22,828.2) | 0.007218                 | (0.0055388, 0.0091438)  |
| Nusa Tenggara Barat | Other unintentional injuries                             | All | 16,194.8      | (11,311.7, 22,178.9) | 0.006870                 | (0.0047987, 0.0094088) | 6,593.5       | (4,622.2, 9,286.8)   | 0.002641                 | (0.0018514, 0.0037198)  |
| Nusa Tenggara Timur | Diarrheal diseases                                       | NN  | 1,359.5       | (585.6, 2,608.8)     | 0.268487                 | (0.1156516, 0.5152013) | 1,146.1       | (483.7, 2,246.1)     | 0.238602                 | (0.1007055, 0.4676058)  |
| Nusa Tenggara Timur | Lower respiratory infections                             | NN  | 19,572.9      | (9,810.5, 32,520.4)  | 3.865343                 | (1.9374250, 6.4222760) | 12,086.4      | (6,101.1, 21,554.8)  | 2.516208                 | (1.2701600, 4.4873700)  |
| Nusa Tenggara Timur | Malaria                                                  | NN  | 194.4         | (51.3, 525.0)        | 0.038384                 | (0.0101354, 0.1036888) | 117.6         | (31.8, 311.4)        | 0.024486                 | (0.0066113, 0.0648307)  |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 30,176.7      | (14,324.2, 50,429.2) | 5.959419                 | (2.8288040, 9.9589825) | 20,294.6      | (9,687.4, 35,867.3)  | 4.225019                 | (2.0167570, 7.4670200)  |
| Nusa Tenggara Timur | Preterm birth complications                              | NN  | 21,670.3      | (9,623.7, 38,133.8)  | 4.279538                 | (1.9005290, 7.5308251) | 19,626.4      | (9,121.1, 35,894.0)  | 4.085903                 | (1.8988661, 7.4725780)  |
| Nusa Tenggara Timur | Other neonatal disorders                                 | NN  | 24,855.9      | (11,540.9, 42,594.8) | 4.908655                 | (2.2791491, 8.4118023) | 16,385.1      | (7,229.6, 30,038.6)  | 3.411120                 | (1.5050980, 6.2535758)  |
| Nusa Tenggara Timur | Other communicable diseases                              | NN  | 1,601.3       | (674.6, 3,222.7)     | 0.316223                 | (0.1332133, 0.6364367) | 938.9         | (392.4, 1,923.6)     | 0.195474                 | (0.0816929, 0.4004716)  |
| Nusa Tenggara Timur | Other malignant neoplasms                                | NN  | 2,096.6       | (813.7, 3,998.6)     | 0.414040                 | (0.1606846, 0.7896627) | 1,621.1       | (654.2, 3,292.9)     | 0.337482                 | (0.1362002, 0.6855371)  |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | NN  | 140.9         | (34.3, 367.1)        | 0.027828                 | (0.0067725, 0.0725024) | 143.7         | (34.7, 376.9)        | 0.029923                 | (0.0072138, 0.0784675)  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | NN  | 90.6          | (20.5, 257.1)        | 0.017884                 | (0.0040539, 0.0507738) | 93.5          | (20.5, 274.2)        | 0.019455                 | (0.0042584, 0.0570866)  |
| Nusa Tenggara Timur | Diabetes mellitus                                        | NN  | 44.8          | (0.2, 320.7)         | 0.008853                 | (0.0000434, 0.0633428) | 47.8          | (0.3, 354.0)         | 0.009951                 | (0.0000564, 0.0737000)  |
| Nusa Tenggara Timur | Other non-communicable diseases                          | NN  | 10,910.9      | (5,416.9, 17,668.5)  | 2.154728                 | (1.0697500, 3.4892530) | 9,813.2       | (4,911.7, 16,897.3)  | 2.042955                 | (1.0225420, 3.5177591)  |
| Nusa Tenggara Timur | Drowning                                                 | NN  | 1,211.7       | (386.8, 2,722.1)     | 0.239298                 | (0.0763894, 0.5375735) | 275.6         | (84.9, 683.2)        | 0.057384                 | (0.0176686, 0.1422220)  |
| Nusa Tenggara Timur | Falls                                                    | NN  | 662.2         | (206.1, 1,495.8)     | 0.130779                 | (0.0407038, 0.2953942) | 205.4         | (62.5, 482.3)        | 0.042764                 | (0.0130199, 0.1004014)  |
| Nusa Tenggara Timur | Interpersonal violence                                   | NN  | 342.7         | (95.3, 839.2)        | 0.067670                 | (0.0188238, 0.1657267) | 180.1         | (52.6, 445.5)        | 0.037498                 | (0.0109480, 0.0927368)  |
| Nusa Tenggara Timur | Transport injuries                                       | NN  | 655.9         | (223.0, 1,447.1)     | 0.129530                 | (0.0440317, 0.2857758) | 149.7         | (50.6, 346.5)        | 0.031171                 | (0.0105399, 0.0721310)  |
| Nusa Tenggara Timur | Other unintentional injuries                             | NN  | 2,073.8       | (797.2, 4,209.8)     | 0.409537                 | (0.1574341, 0.8313642) | 623.8         | (245.0, 1,294.1)     | 0.129873                 | (0.0510054, 0.2694206)  |
| Nusa Tenggara Timur | Diarrheal diseases                                       | PNN | 436.4         | (211.8, 750.9)       | 0.006904                 | (0.0033511, 0.0118809) | 499.2         | (232.1, 893.8)       | 0.008327                 | (0.0038712, 0.0149081)  |
| Nusa Tenggara Timur | HIV/AIDS                                                 | PNN | 32.7          | (9.9, 75.9)          | 0.000517                 | (0.0001567, 0.0012014) | 26.6          | (8.0, 67.4)          | 0.000444                 | (0.0001326, 0.0011241)  |
| Nusa Tenggara Timur | Lower respiratory infections                             | PNN | 474.4         | (227.9, 807.4)       | 0.007506                 | (0.0036066, 0.0127752) | 380.6         | (179.6, 644.9)       | 0.006349                 | (0.0029951, 0.0107560)  |
| Nusa Tenggara Timur | Malaria                                                  | PNN | 61.0          | (17.9, 156.2)        | 0.000964                 | (0.0002832, 0.0024708) | 50.3          | (14.0, 132.4)        | 0.000838                 | (0.0002341, 0.0022090)  |
| Nusa Tenggara Timur | Tuberculosis                                             | PNN | 108.3         | (48.9, 201.0)        | 0.001714                 | (0.0007741, 0.0031798) | 91.4          | (40.0, 175.9)        | 0.001525                 | (0.0006669, 0.0029334)  |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 24.7          | (6.7, 60.4)          | 0.000391                 | (0.0001065, 0.0009557) | 20.4          | (5.6, 52.1)          | 0.000341                 | (0.0000930, 0.0008684)  |
| Nusa Tenggara Timur | Preterm birth complications                              | PNN | 41.8          | (15.2, 84.7)         | 0.000662                 | (0.0002398, 0.0013407) | 52.4          | (19.4, 110.3)        | 0.000875                 | (0.0003242, 0.0018399)  |
| Nusa Tenggara Timur | Other neonatal disorders                                 | PNN | 87.6          | (28.5, 206.4)        | 0.001386                 | (0.0004511, 0.0032652) | 72.1          | (24.0, 168.1)        | 0.001203                 | (0.0004009, 0.0028032)  |
| Nusa Tenggara Timur | Other communicable diseases                              | PNN | 568.5         | (275.7, 966.5)       | 0.008995                 | (0.0043627, 0.0152926) | 454.3         | (206.4, 776.9)       | 0.007577                 | (0.0034435, 0.0129576)  |
| Nusa Tenggara Timur | Other malignant neoplasms                                | PNN | 35.6          | (15.4, 70.9)         | 0.000563                 | (0.0002442, 0.0011218) | 35.5          | (14.8, 70.4)         | 0.000592                 | (0.0002470, 0.0011746)  |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | PNN | 2.4           | (0.6, 6.3)           | 0.000038                 | (0.0000093, 0.0001003) | 3.1           | (0.8, 7.8)           | 0.000053                 | (0.0000131, 0.0001297)  |
| Nusa Tenggara Timur | Ischemic heart disease                                   | PNN | 1.4           | (0.1, 6.5)           | 0.000022                 | (0.0000017, 0.0001026) | 1.9           | (0.1, 8.7)           | 0.000031                 | (0.0000020, 0.0001444)  |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | PNN | 1.5           | (0.4, 4.3)           | 0.000024                 | (0.0000057, 0.0000673) | 2.0           | (0.5, 5.9)           | 0.000034                 | (0.0000081, 0.0000991)  |
| Nusa Tenggara Timur | Diabetes mellitus                                        | PNN | 0.8           | (0.0, 5.9)           | 0.000012                 | (0.0000001, 0.0000927) | 1.1           | (0.0, 8.8)           | 0.000018                 | (0.0000001, 0.0001468)  |
| Nusa Tenggara Timur | Chronic kidney disease                                   | PNN | 22.1          | (8.2, 49.5)          | 0.000349                 | (0.0001293, 0.0007831) | 20.0          | (6.8, 43.2)          | 0.000334                 | (0.0001129, 0.0007202)  |
| Nusa Tenggara Timur | Other non-communicable diseases                          | PNN | 184.2         | (92.2, 314.4)        | 0.002915                 | (0.0014582, 0.0049738) | 213.1         | (99.7, 359.3)        | 0.003554                 | (0.0016624, 0.0059926)  |
| Nusa Tenggara Timur | Drowning                                                 | PNN | 26.0          | (9.5, 56.4)          | 0.000412                 | (0.0001496, 0.0008926) | 7.6           | (2.4, 17.7)          | 0.000126                 | (0.0000406, 0.0002950)  |
| Nusa Tenggara Timur | Falls                                                    | PNN | 13.7          | (4.5, 28.3)          | 0.000216                 | (0.0000718, 0.0004486) | 5.4           | (1.8, 11.6)          | 0.000090                 | (0.0000294, 0.0001935)  |
| Nusa Tenggara Timur | Interpersonal violence                                   | PNN | 6.9           | (2.2, 16.4)          | 0.000109                 | (0.0000352, 0.0002595) | 4.6           | (1.4, 10.7)          | 0.000077                 | (0.00000239, 0.0001778) |
| Nusa Tenggara Timur | Transport injuries                                       | PNN | 13.9          | (5.2, 29.0)          | 0.000220                 | (0.0000824, 0.0004594) | 4.1           | (1.4, 9.1)           | 0.000068                 | (0.0000238, 0.0001511)  |
| Nusa Tenggara Timur | Other unintentional injuries                             | PNN | 42.2          | (18.0, 84.7)         | 0.000668                 | (0.0002848, 0.0013402) | 16.3          | (6.6, 32.6)          | 0.000271                 | (0.0001105, 0.0005441)  |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 1   | 5,226.1       | (2,012.7, 10,596.5)  | 0.019090                 | (0.0073519, 0.0387068) | 5,590.4       | (2,242.2, 10,759.8)  | 0.021428                 | (0.0085942, 0.0412418)  |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 1   | 828.0         | (202.8, 2,142.9)     | 0.003025                 | (0.0007408, 0.0078277) | 648.0         | (171.8, 1,794.0)     | 0.002484                 | (0.0006585, 0.0068763)  |
| Nusa Tenggara Timur | Lower respiratory infections                             | 1   | 11,648.5      | (4,988.3, 23,165.2)  | 0.042550                 | (0.0182214, 0.0846178) | 9,063.0       | (3,933.6, 17,485.9)  | 0.034738                 | (0.0150772, 0.0670228)  |
| Nusa Tenggara Timur | Malaria                                                  | 1   | 584.2         | (140.3, 1,505.2)     | 0.002134                 | (0.0005127, 0.0054981) | 455.3         | (127.0, 1,197.5)     | 0.001745                 | (0.0004868, 0.0045899)  |
| Nusa Tenggara Timur | Tuberculosis                                             | 1   | 2,863.2       | (1,125.7, 6,098.4)   | 0.010459                 | (0.0041119, 0.0222763) | 2,345.6       | (930.4, 4,653.8)     | 0.008991                 | (0.0035662, 0.0178378)  |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 340.1         | (80.2, 934.8)        | 0.001242                 | (0.0002928, 0.0034148) | 251.8         | (58.3, 682.0)        | 0.000965                 | (0.0002235, 0.0026142)  |
| Nusa Tenggara Timur | Preterm birth complications                              | 1   | 112.6         | (19.1, 400.7)        | 0.000411                 | (0.0000696, 0.0014636) | 125.1         | (22.3, 430.0)        | 0.000480                 | (0.0000853, 0.0016483)  |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|---------------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                     |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Nusa Tenggara Timur | Other neonatal disorders                      | 1   | 194.1         | (2.0, 1,283.6)      | 0.000709                 | (0.0000073, 0.0046887) | 138.3         | (1.3, 1,023.5)      | 0.000530                 | (0.0000051, 0.0039231) |
| Nusa Tenggara Timur | Other communicable diseases                   | 1   | 14,470.3      | (6,139.4, 28,859.4) | 0.052857                 | (0.0224262, 0.1054177) | 11,061.4      | (4,806.3, 21,967.1) | 0.042398                 | (0.0184225, 0.0841991) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 1   | 500.9         | (171.8, 1,123.4)    | 0.001830                 | (0.0006276, 0.0041036) | 576.6         | (215.7, 1,257.6)    | 0.002210                 | (0.0008268, 0.0048203) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 1   | 36.5          | (8.2, 97.0)         | 0.000133                 | (0.0000299, 0.0003542) | 55.1          | (13.9, 154.1)       | 0.000211                 | (0.0000533, 0.0005907) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 1   | 22.4          | (1.4, 114.8)        | 0.000082                 | (0.0000051, 0.0004194) | 33.9          | (2.0, 167.8)        | 0.000130                 | (0.0000075, 0.0006431) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 1   | 22.0          | (4.2, 64.8)         | 0.000080                 | (0.0000154, 0.0002368) | 33.6          | (7.0, 99.2)         | 0.000129                 | (0.0000269, 0.0003801) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 1   | 11.1          | (0.1, 87.9)         | 0.000040                 | (0.0000002, 0.0003210) | 18.3          | (0.1, 137.5)        | 0.000070                 | (0.0000004, 0.0005271) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 1   | 295.3         | (88.1, 740.5)       | 0.001079                 | (0.0003218, 0.0027049) | 310.9         | (98.0, 717.9)       | 0.001192                 | (0.0003756, 0.0027515) |
| Nusa Tenggara Timur | Cirrhosis                                     | 1   | 641.1         | (170.8, 1,648.6)    | 0.002342                 | (0.0006238, 0.0060219) | 436.4         | (113.3, 1,049.6)    | 0.001673                 | (0.0004344, 0.0040230) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 1   | 1,401.6       | (473.0, 3,016.9)    | 0.005120                 | (0.0017279, 0.0110201) | 732.8         | (246.3, 1,535.1)    | 0.002809                 | (0.0009440, 0.0058839) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 1   | 2,574.4       | (976.7, 5,277.4)    | 0.009404                 | (0.0035677, 0.0192775) | 3,430.5       | (1,461.2, 6,657.7)  | 0.013149                 | (0.0056009, 0.0255189) |
| Nusa Tenggara Timur | Drowning                                      | 1   | 1,957.8       | (693.4, 4,208.7)    | 0.007151                 | (0.0025328, 0.0153734) | 577.2         | (194.8, 1,359.1)    | 0.002212                 | (0.0007466, 0.0052096) |
| Nusa Tenggara Timur | Falls                                         | 1   | 717.4         | (219.3, 1,760.4)    | 0.002621                 | (0.0008009, 0.0064305) | 287.4         | (86.2, 686.1)       | 0.001102                 | (0.0003304, 0.0026297) |
| Nusa Tenggara Timur | Interpersonal violence                        | 1   | 300.4         | (82.0, 776.5)       | 0.001098                 | (0.0002997, 0.0028364) | 203.7         | (63.4, 518.9)       | 0.000781                 | (0.0002432, 0.0019889) |
| Nusa Tenggara Timur | Transport injuries                            | 1   | 941.3         | (326.1, 2,147.5)    | 0.003438                 | (0.0011911, 0.0078445) | 278.5         | (89.9, 642.6)       | 0.001067                 | (0.0003444, 0.0024630) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 1   | 1,915.3       | (654.8, 4,070.1)    | 0.006996                 | (0.0023920, 0.0148672) | 741.9         | (267.2, 1,518.0)    | 0.002844                 | (0.0010241, 0.0058185) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 5   | 2,633.1       | (1,804.5, 3,673.4)  | 0.007748                 | (0.0053099, 0.0108092) | 2,464.2       | (1,710.8, 3,353.0)  | 0.007739                 | (0.0053723, 0.0105296) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 5   | 310.3         | (80.0, 791.4)       | 0.000913                 | (0.0002354, 0.0023288) | 207.2         | (51.9, 530.7)       | 0.000651                 | (0.0001629, 0.0016667) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 5   | 4,106.4       | (3,091.3, 5,380.6)  | 0.012083                 | (0.0090963, 0.0158327) | 2,749.9       | (2,018.0, 3,607.0)  | 0.008636                 | (0.0063373, 0.0113271) |
| Nusa Tenggara Timur | Malaria                                       | 5   | 293.8         | (101.1, 645.1)      | 0.000865                 | (0.0002974, 0.0018983) | 198.5         | (74.4, 420.6)       | 0.000623                 | (0.0002337, 0.0013209) |
| Nusa Tenggara Timur | Tuberculosis                                  | 5   | 1,429.5       | (970.3, 2,070.7)    | 0.004206                 | (0.0028552, 0.0060933) | 1,008.7       | (673.9, 1,432.3)    | 0.003168                 | (0.0021162, 0.0044979) |
| Nusa Tenggara Timur | Other communicable diseases                   | 5   | 7,220.4       | (5,792.3, 8,876.8)  | 0.021247                 | (0.0170441, 0.0261205) | 4,831.2       | (3,803.6, 6,043.5)  | 0.015172                 | (0.0119445, 0.0189784) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 5   | 1,656.4       | (1,099.2, 2,372.2)  | 0.004874                 | (0.0032345, 0.0069804) | 1,640.2       | (1,112.4, 2,239.7)  | 0.005151                 | (0.0034933, 0.0070334) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 5   | 88.0          | (39.0, 163.2)       | 0.000259                 | (0.0001147, 0.0004803) | 113.1         | (54.7, 193.4)       | 0.000355                 | (0.0001717, 0.0006074) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 5   | 60.1          | (23.1, 131.5)       | 0.000177                 | (0.0000680, 0.0003869) | 77.1          | (31.3, 154.0)       | 0.000242                 | (0.0000982, 0.0004836) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 5   | 59.3          | (23.1, 137.1)       | 0.000175                 | (0.0000679, 0.0004034) | 76.0          | (31.4, 158.4)       | 0.000239                 | (0.0000986, 0.0004974) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 5   | 75.0          | (28.2, 166.6)       | 0.000221                 | (0.0000830, 0.0004901) | 106.6         | (41.7, 232.1)       | 0.000335                 | (0.0001310, 0.0007289) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 5   | 352.1         | (173.6, 629.9)      | 0.001036                 | (0.0005109, 0.0018534) | 319.8         | (163.5, 567.6)      | 0.001004                 | (0.0005135, 0.0017824) |
| Nusa Tenggara Timur | Cirrhosis                                     | 5   | 951.5         | (536.1, 1,495.1)    | 0.002800                 | (0.0015776, 0.0043993) | 565.3         | (309.2, 890.8)      | 0.001775                 | (0.0009708, 0.0027976) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 5   | 667.6         | (378.0, 1,085.2)    | 0.001965                 | (0.0011122, 0.0031933) | 295.5         | (150.7, 506.7)      | 0.000928                 | (0.0004733, 0.0015913) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 5   | 1,341.7       | (914.1, 1,867.9)    | 0.003948                 | (0.0026898, 0.0054964) | 1,535.3       | (1,083.0, 2,068.0)  | 0.004821                 | (0.0034009, 0.0064943) |
| Nusa Tenggara Timur | Drowning                                      | 5   | 5,075.0       | (3,397.5, 6,854.7)  | 0.014933                 | (0.0099975, 0.0201705) | 1,789.6       | (1,082.8, 2,622.7)  | 0.005620                 | (0.0034003, 0.0082362) |
| Nusa Tenggara Timur | Falls                                         | 5   | 964.6         | (505.8, 1,605.4)    | 0.002838                 | (0.0014885, 0.0047241) | 425.9         | (222.6, 741.5)      | 0.001337                 | (0.0006990, 0.0023285) |
| Nusa Tenggara Timur | Interpersonal violence                        | 5   | 183.4         | (69.7, 396.0)       | 0.000540                 | (0.0002051, 0.0011654) | 136.5         | (56.0, 300.0)       | 0.000429                 | (0.0001760, 0.0009420) |
| Nusa Tenggara Timur | Transport injuries                            | 5   | 2,499.9       | (1,454.8, 3,848.3)  | 0.007356                 | (0.0042808, 0.0113240) | 846.5         | (461.3, 1,357.1)    | 0.002658                 | (0.0014486, 0.0042617) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 5   | 1,357.2       | (775.3, 2,185.1)    | 0.003994                 | (0.0022815, 0.0064297) | 583.4         | (322.9, 946.9)      | 0.001832                 | (0.0010139, 0.0029736) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 10  | 977.7         | (609.6, 1,506.3)    | 0.003208                 | (0.0020004, 0.0049426) | 887.2         | (559.0, 1,324.0)    | 0.003123                 | (0.0019678, 0.0046608) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 10  | 216.4         | (71.2, 470.3)       | 0.000710                 | (0.0002336, 0.0015432) | 141.2         | (45.4, 323.7)       | 0.000497                 | (0.0001598, 0.0011394) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 10  | 1,869.7       | (1,332.2, 2,557.1)  | 0.006135                 | (0.0043715, 0.0083909) | 1,177.4       | (819.1, 1,620.7)    | 0.004145                 | (0.0028834, 0.0057055) |
| Nusa Tenggara Timur | Malaria                                       | 10  | 440.3         | (193.2, 797.9)      | 0.001445                 | (0.0006340, 0.0026181) | 295.4         | (131.9, 543.6)      | 0.001040                 | (0.0004642, 0.0019135) |
| Nusa Tenggara Timur | Tuberculosis                                  | 10  | 2,275.3       | (1,689.1, 2,976.6)  | 0.007466                 | (0.0055427, 0.0097676) | 1,565.9       | (1,173.3, 2,068.8)  | 0.005513                 | (0.0041305, 0.0072828) |
| Nusa Tenggara Timur | Maternal disorders                            | 10  |               |                     |                          |                        | 71.5          | (12.2, 180.4)       | 0.000252                 | (0.0000429, 0.0006349) |
| Nusa Tenggara Timur | Other communicable diseases                   | 10  | 4,074.3       | (3,270.2, 4,976.4)  | 0.013370                 | (0.0107310, 0.0163298) | 2,572.9       | (2,009.3, 3,245.0)  | 0.009057                 | (0.0070735, 0.0114233) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 10  | 1,812.1       | (1,376.5, 2,321.5)  | 0.005946                 | (0.0045169, 0.0076180) | 1,797.8       | (1,364.9, 2,266.5)  | 0.006329                 | (0.0048050, 0.0079788) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 10  | 111.7         | (63.2, 180.4)       | 0.000367                 | (0.0002073, 0.0005919) | 135.0         | (79.0, 208.2)       | 0.000475                 | (0.0002782, 0.0007328) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 10  | 114.7         | (66.0, 189.7)       | 0.000376                 | (0.0002167, 0.0006224) | 137.2         | (80.4, 220.6)       | 0.000483                 | (0.0002830, 0.0007764) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 10  | 68.5          | (33.4, 127.9)       | 0.000225                 | (0.0001096, 0.0004197) | 85.1          | (42.3, 155.9)       | 0.000300                 | (0.0001490, 0.0005487) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 10  | 81.7          | (41.9, 137.0)       | 0.000268                 | (0.0001376, 0.0004495) | 113.3         | (58.8, 186.8)       | 0.000399                 | (0.0002071, 0.0006575) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 10  | 378.9         | (227.0, 586.7)      | 0.001243                 | (0.0007450, 0.0019253) | 337.4         | (207.6, 516.2)      | 0.001188                 | (0.0007309, 0.0018171) |
| Nusa Tenggara Timur | Cirrhosis                                     | 10  | 839.2         | (564.7, 1,189.8)    | 0.002754                 | (0.0018531, 0.0039044) | 478.2         | (308.2, 692.3)      | 0.001683                 | (0.0010849, 0.0024369) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 10  | 867.2         | (580.3, 1,199.2)    | 0.002846                 | (0.0019041, 0.0039352) | 392.8         | (238.1, 607.9)      | 0.001383                 | (0.0008381, 0.0021399) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 10  | 1,210.9       | (922.9, 1,540.9)    | 0.003974                 | (0.0030285, 0.0050564) | 1,310.3       | (1,004.6, 1,671.8)  | 0.004613                 | (0.0035366, 0.0058852) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Drowning                                      | 10  | 2,207.4 (1,327.2, 3,372.9) | 0.007243 (0.0043552, 0.0110678) | 647.6 (334.9, 1,096.4)     | 0.002280 (0.0011788, 0.0038598) |
| Nusa Tenggara Timur | Falls                                         | 10  | 702.8 (369.1, 1,197.1)     | 0.002306 (0.0012112, 0.0039282) | 272.6 (138.3, 494.3)       | 0.000960 (0.0004869, 0.0017402) |
| Nusa Tenggara Timur | Interpersonal violence                        | 10  | 236.2 (125.1, 425.5)       | 0.000775 (0.0004106, 0.0013963) | 162.4 (89.5, 282.8)        | 0.000572 (0.0003150, 0.0009957) |
| Nusa Tenggara Timur | Self-harm                                     | 10  | 500.6 (215.8, 956.6)       | 0.001643 (0.0007083, 0.0031390) | 295.5 (134.9, 527.5)       | 0.001040 (0.0004750, 0.0018568) |
| Nusa Tenggara Timur | Transport injuries                            | 10  | 3,145.9 (2,170.5, 4,263.3) | 0.010323 (0.0071225, 0.0139897) | 986.3 (605.6, 1,451.5)     | 0.003472 (0.0021319, 0.0051096) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 10  | 1,112.4 (682.2, 1,663.5)   | 0.003650 (0.0022385, 0.0054585) | 432.1 (247.0, 707.3)       | 0.001521 (0.0008696, 0.0024898) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 15  | 410.9 (224.0, 693.2)       | 0.001721 (0.0009385, 0.0029040) | 372.9 (204.7, 593.5)       | 0.001649 (0.0009052, 0.0026242) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 15  | 148.5 (46.6, 360.4)        | 0.000622 (0.0001952, 0.0015097) | 100.5 (30.8, 248.6)        | 0.000444 (0.0001361, 0.0010992) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 15  | 791.6 (520.7, 1,197.4)     | 0.003316 (0.0021816, 0.0050165) | 447.1 (294.8, 666.2)       | 0.001977 (0.0013034, 0.0029456) |
| Nusa Tenggara Timur | Malaria                                       | 15  | 630.5 (307.4, 1,068.8)     | 0.002641 (0.0012879, 0.0044776) | 471.1 (218.4, 830.0)       | 0.002083 (0.0009656, 0.0036697) |
| Nusa Tenggara Timur | Tuberculosis                                  | 15  | 2,700.8 (1,982.2, 3,474.1) | 0.011315 (0.0083043, 0.0145544) | 1,828.7 (1,396.1, 2,292.1) | 0.008086 (0.0061730, 0.0101343) |
| Nusa Tenggara Timur | Maternal disorders                            | 15  |                            |                                 | 479.5 (292.3, 735.8)       | 0.002120 (0.0012925, 0.0032532) |
| Nusa Tenggara Timur | Other communicable diseases                   | 15  | 2,271.7 (1,586.4, 3,021.0) | 0.009517 (0.0066459, 0.0126561) | 1,367.5 (974.5, 1,831.7)   | 0.006046 (0.0043088, 0.0080990) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 15  | 64.2 (17.6, 161.7)         | 0.000269 (0.0000737, 0.0006776) | 27.3 (8.1, 66.7)           | 0.000121 (0.0000358, 0.0002949) |
| Nusa Tenggara Timur | Breast cancer                                 | 15  | 3.5 (0.4, 13.5)            | 0.000015 (0.0000017, 0.0000564) | 133.4 (37.9, 317.6)        | 0.000590 (0.0001677, 0.0014043) |
| Nusa Tenggara Timur | Cervical cancer                               | 15  |                            |                                 | 114.8 (30.7, 299.0)        | 0.000508 (0.0001355, 0.0013221) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 15  | 1,440.6 (1,000.4, 1,938.7) | 0.006035 (0.0041913, 0.0081221) | 1,949.6 (1,462.8, 2,463.7) | 0.008620 (0.0064676, 0.0108930) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 15  | 172.8 (97.3, 273.8)        | 0.000724 (0.0004076, 0.0011470) | 194.1 (111.9, 303.4)       | 0.000858 (0.0004946, 0.0013416) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 15  | 286.1 (172.0, 423.1)       | 0.001199 (0.0007207, 0.0017727) | 275.4 (168.9, 416.9)       | 0.001218 (0.0007470, 0.0018434) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 15  | 80.7 (39.1, 146.2)         | 0.000338 (0.0001639, 0.0006123) | 109.2 (50.9, 204.8)        | 0.000483 (0.0002251, 0.0009057) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 15  | 94.6 (49.6, 168.5)         | 0.000397 (0.0002080, 0.0007057) | 146.6 (74.9, 252.2)        | 0.000648 (0.0003311, 0.0011153) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 15  | 382.8 (225.6, 611.9)       | 0.001604 (0.0009450, 0.0025633) | 390.0 (234.5, 626.7)       | 0.001724 (0.0010368, 0.0027710) |
| Nusa Tenggara Timur | Cirrhosis                                     | 15  | 838.6 (537.8, 1,236.3)     | 0.003513 (0.0022532, 0.0051794) | 504.9 (314.2, 776.7)       | 0.002233 (0.0013891, 0.0034340) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 15  | 527.0 (315.7, 779.5)       | 0.002208 (0.0013227, 0.0032658) | 320.5 (186.4, 500.1)       | 0.001417 (0.0008244, 0.0022112) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 15  | 1,146.9 (813.2, 1,518.2)   | 0.004805 (0.0034069, 0.0063605) | 1,237.7 (925.9, 1,612.4)   | 0.005473 (0.0040937, 0.0071292) |
| Nusa Tenggara Timur | Drowning                                      | 15  | 1,325.6 (703.3, 2,230.7)   | 0.005554 (0.0029465, 0.0093454) | 376.9 (186.1, 696.8)       | 0.001666 (0.0008229, 0.0030810) |
| Nusa Tenggara Timur | Falls                                         | 15  | 637.6 (353.2, 1,095.1)     | 0.002671 (0.0014796, 0.0045878) | 264.7 (138.8, 466.9)       | 0.001170 (0.0006137, 0.0020646) |
| Nusa Tenggara Timur | Interpersonal violence                        | 15  | 365.2 (198.4, 651.9)       | 0.001530 (0.0008313, 0.0027313) | 326.7 (176.4, 554.5)       | 0.001445 (0.0007800, 0.0024519) |
| Nusa Tenggara Timur | Self-harm                                     | 15  | 611.4 (326.8, 1,014.4)     | 0.002561 (0.0013689, 0.0042499) | 483.6 (271.5, 781.4)       | 0.002138 (0.0012005, 0.0034551) |
| Nusa Tenggara Timur | Transport injuries                            | 15  | 7,716.5 (5,821.0, 9,571.2) | 0.032328 (0.0243865, 0.0400978) | 3,134.5 (2,359.9, 3,955.3) | 0.013859 (0.0104343, 0.0174881) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 15  | 1,293.6 (791.5, 1,937.6)   | 0.005420 (0.0033160, 0.0081175) | 598.9 (350.1, 907.1)       | 0.002648 (0.0015480, 0.0040107) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 20  | 319.8 (180.5, 527.8)       | 0.001733 (0.0009781, 0.0028609) | 236.3 (138.3, 371.0)       | 0.001245 (0.0007285, 0.0019538) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 20  | 396.9 (142.1, 807.5)       | 0.002152 (0.0007703, 0.0043770) | 212.2 (79.6, 456.6)        | 0.001118 (0.0004193, 0.0024043) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 20  | 598.8 (367.1, 908.2)       | 0.003246 (0.0019897, 0.0049229) | 254.2 (162.0, 378.4)       | 0.001339 (0.0008532, 0.0019925) |
| Nusa Tenggara Timur | Malaria                                       | 20  | 624.5 (321.1, 1,045.1)     | 0.003385 (0.0017403, 0.0056650) | 350.5 (172.1, 617.9)       | 0.001846 (0.0009065, 0.0032539) |
| Nusa Tenggara Timur | Tuberculosis                                  | 20  | 4,108.1 (3,082.0, 5,277.5) | 0.022267 (0.0167056, 0.0286056) | 1,882.8 (1,453.1, 2,375.9) | 0.009915 (0.0076526, 0.0125121) |
| Nusa Tenggara Timur | Maternal disorders                            | 20  |                            |                                 | 1,713.0 (1,229.3, 2,271.8) | 0.009021 (0.0064739, 0.0119637) |
| Nusa Tenggara Timur | Other communicable diseases                   | 20  | 2,287.3 (1,612.3, 3,162.8) | 0.012398 (0.0087393, 0.0171434) | 1,148.9 (822.8, 1,517.1)   | 0.006050 (0.0043329, 0.0079895) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 20  | 45.7 (13.6, 121.2)         | 0.000248 (0.0000739, 0.0006572) | 33.2 (10.6, 76.8)          | 0.000175 (0.0000560, 0.0004043) |
| Nusa Tenggara Timur | Breast cancer                                 | 20  | 4.2 (0.9, 12.5)            | 0.000023 (0.0000046, 0.0000679) | 305.4 (161.5, 506.2)       | 0.001608 (0.0008504, 0.0026660) |
| Nusa Tenggara Timur | Cervical cancer                               | 20  |                            |                                 | 243.2 (106.2, 470.9)       | 0.001281 (0.0005594, 0.0024800) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 20  | 1,118.5 (790.3, 1,500.8)   | 0.006063 (0.0042837, 0.0081346) | 1,784.2 (1,377.5, 2,214.4) | 0.009396 (0.0072545, 0.0116615) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 20  | 273.5 (174.1, 397.2)       | 0.001482 (0.0009436, 0.0021529) | 257.7 (174.7, 365.3)       | 0.001357 (0.0009198, 0.0019235) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 20  | 436.0 (288.2, 618.4)       | 0.002364 (0.0015620, 0.0033520) | 270.8 (184.5, 379.3)       | 0.001426 (0.0009718, 0.0019975) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 20  | 103.0 (53.5, 177.1)        | 0.000559 (0.0002897, 0.0009599) | 128.9 (74.4, 200.0)        | 0.000679 (0.0003916, 0.0010532) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 20  | 74.8 (39.6, 120.5)         | 0.000405 (0.0002144, 0.0006530) | 107.1 (59.2, 173.2)        | 0.000564 (0.0003115, 0.0009120) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 20  | 484.3 (305.4, 748.9)       | 0.002625 (0.0016554, 0.0040595) | 448.3 (303.0, 640.3)       | 0.002361 (0.0015958, 0.0033720) |
| Nusa Tenggara Timur | Cirrhosis                                     | 20  | 1,081.7 (720.4, 1,511.8)   | 0.005863 (0.0039048, 0.0081946) | 634.3 (435.9, 891.3)       | 0.003340 (0.0022956, 0.0046939) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 20  | 849.1 (541.5, 1,194.7)     | 0.004603 (0.0029352, 0.0064757) | 619.5 (434.8, 847.7)       | 0.003263 (0.0022896, 0.0044640) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 20  | 913.8 (623.6, 1,252.1)     | 0.004953 (0.0033799, 0.0067868) | 876.7 (656.3, 1,112.9)     | 0.004617 (0.0034564, 0.0058608) |
| Nusa Tenggara Timur | Drowning                                      | 20  | 821.8 (398.8, 1,500.3)     | 0.004454 (0.0021617, 0.0081320) | 226.1 (106.4, 422.7)       | 0.001191 (0.0005604, 0.0022258) |
| Nusa Tenggara Timur | Falls                                         | 20  | 530.5 (281.3, 887.6)       | 0.002875 (0.0015246, 0.0048108) | 205.6 (105.4, 349.2)       | 0.001083 (0.0005553, 0.0018391) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Interpersonal violence                        | 20  | 361.3 (194.2, 642.4)       | 0.001959 (0.0010524, 0.0034819) | 262.2 (144.4, 450.2)       | 0.001381 (0.0007604, 0.0023706) |
| Nusa Tenggara Timur | Self-harm                                     | 20  | 512.9 (274.5, 868.6)       | 0.002780 (0.0014880, 0.0047080) | 323.6 (184.8, 515.0)       | 0.001704 (0.0009734, 0.0027120) |
| Nusa Tenggara Timur | Transport injuries                            | 20  | 5,259.3 (3,816.8, 6,898.2) | 0.028507 (0.0206880, 0.0373903) | 1,794.2 (1,324.4, 2,313.1) | 0.009449 (0.0069746, 0.0121813) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 20  | 1,201.7 (733.2, 1,876.3)   | 0.006514 (0.0039741, 0.0101700) | 481.2 (289.9, 741.3)       | 0.002534 (0.0015265, 0.0039039) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 25  | 430.9 (240.9, 691.7)       | 0.002402 (0.0013426, 0.0038556) | 312.3 (186.9, 475.0)       | 0.001580 (0.0009455, 0.0024027) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 25  | 683.1 (291.5, 1,340.8)     | 0.003808 (0.0016249, 0.0074735) | 366.9 (154.1, 710.4)       | 0.001856 (0.0007793, 0.0035932) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 25  | 575.4 (344.3, 881.3)       | 0.003207 (0.0019192, 0.0049126) | 233.9 (147.5, 350.3)       | 0.001183 (0.0007462, 0.0017721) |
| Nusa Tenggara Timur | Malaria                                       | 25  | 664.5 (343.0, 1,131.0)     | 0.003704 (0.0019121, 0.0063045) | 368.4 (182.6, 655.1)       | 0.001863 (0.0009236, 0.0033135) |
| Nusa Tenggara Timur | Tuberculosis                                  | 25  | 5,382.9 (4,139.3, 6,802.0) | 0.030005 (0.0230731, 0.0379149) | 2,387.5 (1,873.0, 2,981.0) | 0.012076 (0.0094740, 0.0150784) |
| Nusa Tenggara Timur | Maternal disorders                            | 25  |                            |                                 | 1,718.2 (1,284.2, 2,272.8) | 0.008691 (0.0064958, 0.0114962) |
| Nusa Tenggara Timur | Other communicable diseases                   | 25  | 2,278.9 (1,624.4, 3,106.0) | 0.012703 (0.0090547, 0.0173129) | 1,116.5 (814.3, 1,482.3)   | 0.005647 (0.0041188, 0.0074980) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 25  | 64.8 (20.9, 151.6)         | 0.000361 (0.0001167, 0.0008453) | 43.6 (15.7, 96.2)          | 0.000221 (0.0000795, 0.0004865) |
| Nusa Tenggara Timur | Breast cancer                                 | 25  | 5.0 (1.5, 13.2)            | 0.000028 (0.0000081, 0.0000734) | 677.7 (408.9, 1,023.7)     | 0.003428 (0.0020682, 0.0051781) |
| Nusa Tenggara Timur | Cervical cancer                               | 25  |                            |                                 | 435.5 (210.2, 783.1)       | 0.002203 (0.0010634, 0.0039611) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 25  | 1,497.7 (1,067.8, 1,990.2) | 0.008348 (0.0059519, 0.0110934) | 2,041.8 (1,543.7, 2,577.7) | 0.010328 (0.0078082, 0.0130386) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 25  | 510.5 (356.0, 697.2)       | 0.002846 (0.0019846, 0.0038862) | 422.6 (306.2, 571.7)       | 0.002138 (0.0015487, 0.0028920) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 25  | 898.2 (653.1, 1,199.3)     | 0.005007 (0.0036404, 0.0066847) | 454.7 (330.2, 601.4)       | 0.002300 (0.0016704, 0.0030422) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 25  | 142.5 (81.1, 234.7)        | 0.000794 (0.0004522, 0.0013081) | 166.2 (101.0, 255.4)       | 0.000841 (0.0005110, 0.0012919) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 25  | 132.2 (82.2, 200.7)        | 0.000737 (0.0004584, 0.0011188) | 169.2 (106.9, 248.2)       | 0.000856 (0.0005409, 0.0012552) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 25  | 581.8 (383.5, 859.3)       | 0.003243 (0.0021376, 0.0047900) | 482.0 (332.9, 682.8)       | 0.002438 (0.0016838, 0.0034538) |
| Nusa Tenggara Timur | Cirrhosis                                     | 25  | 1,523.3 (1,055.0, 2,085.8) | 0.008491 (0.0058805, 0.0116266) | 797.1 (571.6, 1,087.1)     | 0.004032 (0.0028910, 0.0054989) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 25  | 1,042.2 (712.1, 1,416.5)   | 0.005809 (0.0039691, 0.0078957) | 746.5 (527.7, 991.7)       | 0.003776 (0.0026694, 0.0050159) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 25  | 1,107.1 (777.0, 1,491.0)   | 0.006171 (0.0043313, 0.0083111) | 961.5 (720.5, 1,226.9)     | 0.004863 (0.0036444, 0.0062059) |
| Nusa Tenggara Timur | Drowning                                      | 25  | 476.3 (201.8, 906.0)       | 0.002655 (0.0011250, 0.0050499) | 104.7 (43.2, 200.5)        | 0.000530 (0.0002184, 0.0010140) |
| Nusa Tenggara Timur | Falls                                         | 25  | 675.6 (383.6, 1,123.7)     | 0.003766 (0.0021381, 0.0062637) | 214.3 (120.5, 361.1)       | 0.001084 (0.0006095, 0.0018267) |
| Nusa Tenggara Timur | Interpersonal violence                        | 25  | 354.7 (199.1, 629.9)       | 0.001977 (0.0011096, 0.0035112) | 214.7 (118.8, 348.0)       | 0.001086 (0.0006010, 0.0017604) |
| Nusa Tenggara Timur | Self-harm                                     | 25  | 472.2 (257.2, 759.4)       | 0.002632 (0.0014334, 0.0042331) | 249.1 (141.2, 403.9)       | 0.001260 (0.0007140, 0.0020429) |
| Nusa Tenggara Timur | Transport injuries                            | 25  | 3,264.5 (2,327.1, 4,507.4) | 0.018197 (0.0129717, 0.0251246) | 847.2 (567.8, 1,178.3)     | 0.004285 (0.0028721, 0.0059600) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 25  | 1,343.9 (829.9, 2,041.5)   | 0.007491 (0.0046257, 0.0113793) | 444.5 (258.9, 666.2)       | 0.002248 (0.0013098, 0.0033696) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 30  | 419.3 (246.8, 660.5)       | 0.002581 (0.0015195, 0.0040658) | 300.1 (179.9, 459.0)       | 0.001655 (0.0009921, 0.0025316) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 30  | 623.7 (270.0, 1,225.0)     | 0.003839 (0.0016621, 0.0075411) | 326.7 (137.1, 626.7)       | 0.001802 (0.0007561, 0.0034570) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 30  | 465.8 (292.7, 715.5)       | 0.002867 (0.0018018, 0.0044049) | 197.2 (123.4, 293.5)       | 0.001088 (0.0006808, 0.0016187) |
| Nusa Tenggara Timur | Malaria                                       | 30  | 496.8 (256.2, 843.8)       | 0.003058 (0.0015773, 0.0051942) | 248.3 (123.4, 437.9)       | 0.001370 (0.0006809, 0.0024153) |
| Nusa Tenggara Timur | Tuberculosis                                  | 30  | 4,705.1 (3,653.6, 5,894.7) | 0.028965 (0.0224915, 0.0362878) | 1,972.9 (1,510.5, 2,504.2) | 0.010883 (0.0083317, 0.0138131) |
| Nusa Tenggara Timur | Maternal disorders                            | 30  |                            |                                 | 1,900.9 (1,433.0, 2,526.3) | 0.010485 (0.0079042, 0.0139350) |
| Nusa Tenggara Timur | Other communicable diseases                   | 30  | 1,404.4 (976.9, 1,920.8)   | 0.008645 (0.0060141, 0.0118246) | 695.7 (465.9, 973.9)       | 0.003838 (0.0025698, 0.0053722) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 30  | 126.5 (42.9, 286.9)        | 0.000779 (0.0002640, 0.0017662) | 48.6 (19.0, 109.4)         | 0.000268 (0.0001049, 0.0006036) |
| Nusa Tenggara Timur | Breast cancer                                 | 30  | 7.6 (2.3, 20.2)            | 0.000047 (0.0000142, 0.0001244) | 1,007.4 (638.4, 1,492.2)   | 0.005557 (0.0035211, 0.0082311) |
| Nusa Tenggara Timur | Cervical cancer                               | 30  |                            |                                 | 712.4 (386.9, 1,216.6)     | 0.003930 (0.0021343, 0.0067108) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 30  | 1,967.2 (1,442.3, 2,596.9) | 0.012110 (0.0088788, 0.0159866) | 2,012.2 (1,461.9, 2,631.5) | 0.011099 (0.0080635, 0.0145153) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 30  | 769.4 (559.3, 1,027.3)     | 0.004736 (0.0034428, 0.0063240) | 677.1 (508.9, 908.9)       | 0.003735 (0.0028071, 0.0050134) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 30  | 1,199.4 (893.8, 1,583.7)   | 0.007383 (0.0055020, 0.0097493) | 649.8 (478.6, 856.0)       | 0.003584 (0.0026398, 0.0047218) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 30  | 169.6 (101.1, 272.1)       | 0.001044 (0.0006224, 0.0016753) | 199.6 (123.1, 309.5)       | 0.001101 (0.0006793, 0.0017070) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 30  | 208.0 (131.2, 295.6)       | 0.001281 (0.0008077, 0.0018197) | 262.7 (174.4, 368.0)       | 0.001449 (0.0009618, 0.0020300) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 30  | 604.5 (401.2, 866.3)       | 0.003722 (0.0024698, 0.0053329) | 485.9 (336.2, 686.1)       | 0.002680 (0.0018544, 0.0037846) |
| Nusa Tenggara Timur | Cirrhosis                                     | 30  | 1,865.2 (1,343.0, 2,560.2) | 0.011482 (0.0082673, 0.0157607) | 1,019.5 (737.8, 1,407.7)   | 0.005623 (0.0040699, 0.0077648) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 30  | 1,083.4 (748.3, 1,456.5)   | 0.006669 (0.0046063, 0.0089665) | 743.7 (527.8, 999.7)       | 0.004102 (0.0029112, 0.0055142) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 30  | 1,104.3 (787.5, 1,478.3)   | 0.006798 (0.0048476, 0.0091003) | 996.3 (728.5, 1,298.2)     | 0.005495 (0.0040184, 0.0071605) |
| Nusa Tenggara Timur | Drowning                                      | 30  | 459.5 (210.2, 827.1)       | 0.002829 (0.0012940, 0.0050919) | 128.2 (54.7, 241.3)        | 0.000707 (0.0003017, 0.0013308) |
| Nusa Tenggara Timur | Falls                                         | 30  | 698.6 (414.1, 1,118.4)     | 0.004301 (0.0025490, 0.0068849) | 264.8 (152.4, 431.6)       | 0.001461 (0.0008409, 0.0023805) |
| Nusa Tenggara Timur | Interpersonal violence                        | 30  | 246.3 (135.0, 411.1)       | 0.001516 (0.0008310, 0.0025307) | 152.2 (81.0, 262.6)        | 0.000840 (0.0004468, 0.0014485) |
| Nusa Tenggara Timur | Self-harm                                     | 30  | 323.6 (168.3, 544.6)       | 0.001992 (0.0010358, 0.0033528) | 169.5 (90.9, 287.2)        | 0.000935 (0.0005013, 0.0015842) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Transport injuries                            | 30  | 2,456.6 (1,696.1, 3,475.7) | 0.015123 (0.0104412, 0.0213967) | 715.7 (471.7, 1,034.4)     | 0.003948 (0.0026019, 0.0057056) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 30  | 1,087.1 (678.4, 1,645.6)   | 0.006692 (0.0041761, 0.0101304) | 391.5 (238.6, 596.3)       | 0.002160 (0.0013158, 0.0032890) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 35  | 351.7 (210.7, 584.6)       | 0.002302 (0.0013794, 0.0038266) | 357.2 (216.1, 547.6)       | 0.002128 (0.0012870, 0.0032614) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 35  | 517.1 (220.7, 1,009.1)     | 0.003385 (0.0014448, 0.0066057) | 370.5 (151.3, 720.4)       | 0.002207 (0.0009012, 0.0042908) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 35  | 463.7 (286.6, 698.2)       | 0.003035 (0.0018763, 0.0045705) | 280.1 (177.6, 417.4)       | 0.001668 (0.0010581, 0.0024860) |
| Nusa Tenggara Timur | Malaria                                       | 35  | 425.7 (215.1, 717.2)       | 0.002787 (0.0014078, 0.0046948) | 281.3 (133.6, 492.7)       | 0.001676 (0.0007960, 0.0029343) |
| Nusa Tenggara Timur | Tuberculosis                                  | 35  | 4,834.4 (3,729.8, 6,159.4) | 0.031645 (0.0244151, 0.0403186) | 2,659.6 (2,046.3, 3,398.4) | 0.015841 (0.0121879, 0.0202411) |
| Nusa Tenggara Timur | Maternal disorders                            | 35  |                            |                                 | 1,007.2 (697.6, 1,428.3)   | 0.005999 (0.0041547, 0.0085069) |
| Nusa Tenggara Timur | Other communicable diseases                   | 35  | 1,190.8 (815.1, 1,670.3)   | 0.007795 (0.0053358, 0.0109339) | 855.6 (575.2, 1,209.0)     | 0.005096 (0.0034258, 0.0072006) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 35  | 121.0 (40.5, 277.6)        | 0.000792 (0.0002651, 0.0018173) | 66.9 (26.9, 145.1)         | 0.000399 (0.0001600, 0.0008643) |
| Nusa Tenggara Timur | Breast cancer                                 | 35  | 15.5 (5.3, 36.5)           | 0.000101 (0.0000344, 0.0002391) | 1,553.0 (1,052.0, 2,218.6) | 0.009250 (0.0062659, 0.0132139) |
| Nusa Tenggara Timur | Cervical cancer                               | 35  |                            |                                 | 1,160.0 (674.0, 1,803.3)   | 0.006909 (0.0040143, 0.0107405) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 35  | 2,761.4 (2,041.5, 3,638.7) | 0.018076 (0.0133637, 0.0238185) | 2,297.5 (1,640.1, 3,160.7) | 0.013684 (0.0097684, 0.0188254) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 35  | 1,309.2 (975.6, 1,728.2)   | 0.008570 (0.0063859, 0.0113124) | 1,197.4 (912.1, 1,581.0)   | 0.007132 (0.0054327, 0.0094166) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 35  | 1,843.5 (1,361.2, 2,397.3) | 0.012068 (0.0089103, 0.0156922) | 1,026.4 (766.7, 1,334.6)   | 0.006114 (0.0045665, 0.0079492) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 35  | 234.3 (138.4, 377.7)       | 0.001534 (0.0009060, 0.0024722) | 279.2 (170.2, 430.7)       | 0.001663 (0.0010140, 0.0025654) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 35  | 407.4 (271.4, 571.8)       | 0.002667 (0.0017767, 0.0037432) | 509.6 (341.5, 717.8)       | 0.003036 (0.0020339, 0.0042750) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 35  | 749.7 (499.3, 1,072.5)     | 0.004908 (0.0032685, 0.0070205) | 589.6 (409.2, 838.5)       | 0.003511 (0.0024369, 0.0049940) |
| Nusa Tenggara Timur | Cirrhosis                                     | 35  | 2,396.8 (1,737.8, 3,244.2) | 0.015690 (0.0113757, 0.0212364) | 1,356.9 (978.6, 1,862.8)   | 0.008082 (0.0058285, 0.0110948) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 35  | 1,355.6 (962.4, 1,837.2)   | 0.008873 (0.0062999, 0.0120263) | 915.2 (665.1, 1,213.3)     | 0.005451 (0.0039612, 0.0072264) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 35  | 1,222.8 (846.3, 1,640.4)   | 0.008004 (0.0055398, 0.0107379) | 1,135.2 (824.5, 1,488.5)   | 0.006761 (0.0049107, 0.0088654) |
| Nusa Tenggara Timur | Drowning                                      | 35  | 537.4 (255.6, 965.8)       | 0.003518 (0.0016733, 0.0063223) | 179.9 (82.2, 331.2)        | 0.001071 (0.0004897, 0.0019724) |
| Nusa Tenggara Timur | Falls                                         | 35  | 672.1 (391.7, 1,094.0)     | 0.004399 (0.0025640, 0.0071613) | 291.3 (163.8, 481.8)       | 0.001735 (0.0009757, 0.0028695) |
| Nusa Tenggara Timur | Interpersonal violence                        | 35  | 208.6 (114.4, 354.6)       | 0.001365 (0.0007490, 0.0023215) | 130.1 (65.7, 226.2)        | 0.000775 (0.0003914, 0.0013473) |
| Nusa Tenggara Timur | Self-harm                                     | 35  | 297.0 (159.1, 512.0)       | 0.001944 (0.0010413, 0.0033516) | 153.4 (82.4, 258.1)        | 0.000914 (0.0004909, 0.0015373) |
| Nusa Tenggara Timur | Transport injuries                            | 35  | 1,898.4 (1,234.2, 2,740.0) | 0.012427 (0.0080786, 0.0179356) | 597.7 (377.3, 877.6)       | 0.003560 (0.0022470, 0.0052270) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 35  | 996.0 (601.6, 1,538.2)     | 0.006520 (0.0039379, 0.0100691) | 380.4 (230.3, 580.7)       | 0.002266 (0.0013719, 0.0034585) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 40  | 359.5 (218.1, 560.7)       | 0.002523 (0.0015301, 0.0039343) | 410.8 (256.1, 617.9)       | 0.002745 (0.0017116, 0.0041295) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 40  | 268.0 (112.6, 527.5)       | 0.001881 (0.0007903, 0.0037018) | 208.2 (81.2, 438.6)        | 0.001391 (0.0005426, 0.0029313) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 40  | 423.4 (266.9, 632.0)       | 0.002971 (0.0018729, 0.0044346) | 303.6 (189.5, 446.0)       | 0.002029 (0.0012665, 0.0029804) |
| Nusa Tenggara Timur | Malaria                                       | 40  | 443.5 (222.5, 720.4)       | 0.003112 (0.0015614, 0.0050551) | 295.6 (142.5, 536.0)       | 0.001976 (0.0009521, 0.0035820) |
| Nusa Tenggara Timur | Tuberculosis                                  | 40  | 4,616.8 (3,569.8, 5,828.1) | 0.032397 (0.0250501, 0.0408968) | 2,685.8 (2,095.1, 3,383.8) | 0.017948 (0.0140009, 0.0226132) |
| Nusa Tenggara Timur | Maternal disorders                            | 40  |                            |                                 | 340.3 (213.0, 530.9)       | 0.002274 (0.0014231, 0.0035478) |
| Nusa Tenggara Timur | Other communicable diseases                   | 40  | 1,063.3 (719.0, 1,476.4)   | 0.007461 (0.0050455, 0.0103604) | 885.9 (610.6, 1,255.9)     | 0.005920 (0.0040805, 0.0083925) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 40  | 235.1 (90.6, 472.8)        | 0.001650 (0.0006354, 0.0033178) | 87.0 (35.0, 178.0)         | 0.000581 (0.0002339, 0.0011892) |
| Nusa Tenggara Timur | Breast cancer                                 | 40  | 35.9 (14.3, 75.8)          | 0.000252 (0.0001007, 0.0005317) | 2,089.8 (1,430.3, 2,995.8) | 0.013966 (0.0095584, 0.0200202) |
| Nusa Tenggara Timur | Cervical cancer                               | 40  |                            |                                 | 1,629.4 (981.7, 2,568.5)   | 0.010889 (0.0065607, 0.0171643) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 40  | 4,389.0 (3,312.4, 5,633.6) | 0.030799 (0.0232439, 0.0395321) | 2,480.3 (1,752.5, 3,375.6) | 0.016575 (0.0117112, 0.0225583) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 40  | 2,267.5 (1,710.9, 2,931.9) | 0.015911 (0.0120060, 0.0205733) | 1,965.0 (1,530.4, 2,540.4) | 0.013132 (0.0102269, 0.0169769) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 40  | 2,964.7 (2,278.6, 3,772.2) | 0.020804 (0.0159894, 0.0264702) | 1,622.9 (1,232.2, 2,088.3) | 0.010845 (0.0082346, 0.0139554) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 40  | 382.6 (237.9, 617.4)       | 0.002685 (0.0016693, 0.0043322) | 400.2 (249.5, 621.2)       | 0.002674 (0.0016676, 0.0041510) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 40  | 951.5 (666.5, 1,314.9)     | 0.006677 (0.0046770, 0.0092265) | 1,045.0 (709.4, 1,425.7)   | 0.006983 (0.0047405, 0.0095277) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 40  | 1,083.7 (734.1, 1,518.5)   | 0.007604 (0.0051513, 0.0106555) | 735.1 (514.7, 1,037.6)     | 0.004913 (0.0034398, 0.0069340) |
| Nusa Tenggara Timur | Cirrhosis                                     | 40  | 3,127.3 (2,288.1, 4,176.2) | 0.021945 (0.0160557, 0.0293051) | 1,653.3 (1,216.2, 2,285.9) | 0.011048 (0.0081279, 0.0152760) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 40  | 1,951.3 (1,416.9, 2,574.7) | 0.013692 (0.0099426, 0.0180668) | 1,099.3 (807.5, 1,471.4)   | 0.007346 (0.0053961, 0.0098328) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 40  | 1,478.9 (1,052.0, 1,957.6) | 0.010378 (0.0073819, 0.0137367) | 1,259.3 (922.2, 1,661.6)   | 0.008416 (0.0061628, 0.0111040) |
| Nusa Tenggara Timur | Drowning                                      | 40  | 239.0 (107.0, 453.1)       | 0.001677 (0.0007510, 0.0031793) | 88.9 (37.4, 174.6)         | 0.000594 (0.0002500, 0.0011671) |
| Nusa Tenggara Timur | Falls                                         | 40  | 524.4 (305.8, 832.8)       | 0.003680 (0.0021458, 0.0058440) | 237.4 (135.9, 389.7)       | 0.001586 (0.0009082, 0.0026044) |
| Nusa Tenggara Timur | Interpersonal violence                        | 40  | 169.8 (95.1, 283.8)        | 0.001191 (0.0006670, 0.0019913) | 91.9 (48.4, 159.5)         | 0.000614 (0.0003233, 0.0010656) |
| Nusa Tenggara Timur | Self-harm                                     | 40  | 282.2 (160.1, 462.1)       | 0.001980 (0.0011232, 0.0032426) | 122.7 (65.6, 211.0)        | 0.000820 (0.0004385, 0.0014099) |
| Nusa Tenggara Timur | Transport injuries                            | 40  | 1,415.1 (933.9, 2,059.7)   | 0.009930 (0.0065535, 0.0144535) | 437.2 (276.3, 658.8)       | 0.002922 (0.0018461, 0.0044024) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 40  | 777.8 (465.3, 1,182.5)     | 0.005458 (0.0032653, 0.0082980) | 279.2 (166.0, 434.8)       | 0.001866 (0.0011095, 0.0029056) |



Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Diarrheal diseases                            | 45  | 326.7 (195.1, 526.1)       | 0.002625 (0.0015670, 0.0042258) | 484.3 (301.3, 714.9)       | 0.003713 (0.0023103, 0.0054811) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 45  | 127.0 (49.7, 263.6)        | 0.001020 (0.0003994, 0.0021169) | 123.9 (44.0, 268.8)        | 0.000950 (0.0003372, 0.0020611) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 45  | 449.0 (289.7, 667.9)       | 0.003606 (0.0023272, 0.0053645) | 438.7 (291.3, 636.6)       | 0.003363 (0.0022334, 0.0048806) |
| Nusa Tenggara Timur | Malaria                                       | 45  | 366.9 (186.1, 612.2)       | 0.002947 (0.0014951, 0.0049176) | 280.9 (135.1, 509.9)       | 0.002154 (0.0010362, 0.0039096) |
| Nusa Tenggara Timur | Tuberculosis                                  | 45  | 4,577.4 (3,529.5, 5,806.2) | 0.036766 (0.0283498, 0.0466363) | 3,180.0 (2,487.3, 4,003.8) | 0.024381 (0.0190697, 0.0306971) |
| Nusa Tenggara Timur | Maternal disorders                            | 45  |                            |                                 | 99.5 (45.4, 178.9)         | 0.000763 (0.0003481, 0.0013715) |
| Nusa Tenggara Timur | Other communicable diseases                   | 45  | 821.6 (548.2, 1,175.5)     | 0.006600 (0.0044029, 0.0094421) | 920.6 (634.4, 1,293.6)     | 0.007058 (0.0048641, 0.0099179) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 45  | 287.3 (111.3, 565.1)       | 0.002307 (0.0008938, 0.0045393) | 114.7 (44.8, 236.5)        | 0.000879 (0.0003432, 0.0018135) |
| Nusa Tenggara Timur | Breast cancer                                 | 45  | 49.0 (21.4, 100.6)         | 0.000394 (0.0001720, 0.0008082) | 2,325.5 (1,582.6, 3,329.2) | 0.017830 (0.0121340, 0.0255248) |
| Nusa Tenggara Timur | Cervical cancer                               | 45  |                            |                                 | 1,894.1 (1,145.0, 2,973.0) | 0.014522 (0.0087784, 0.0227939) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 45  | 4,538.4 (3,371.5, 5,902.6) | 0.036453 (0.0270802, 0.0474109) | 2,629.5 (1,839.6, 3,559.7) | 0.020160 (0.0141040, 0.0272918) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 45  | 3,179.1 (2,371.5, 4,162.2) | 0.025535 (0.0190483, 0.0334314) | 3,202.0 (2,502.7, 4,086.7) | 0.024550 (0.0191877, 0.0313327) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 45  | 3,635.1 (2,752.2, 4,625.3) | 0.029197 (0.0221058, 0.0371515) | 2,298.8 (1,743.3, 2,974.8) | 0.017625 (0.0133654, 0.0228075) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 45  | 504.5 (312.5, 830.7)       | 0.004052 (0.0025101, 0.0066722) | 579.3 (368.1, 896.7)       | 0.004442 (0.0028226, 0.0068746) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 45  | 1,536.4 (1,081.4, 2,137.2) | 0.012340 (0.0086858, 0.0171667) | 1,858.4 (1,314.5, 2,548.4) | 0.014248 (0.0100780, 0.0195380) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 45  | 1,176.5 (778.9, 1,668.6)   | 0.009450 (0.0062562, 0.0134023) | 861.5 (604.7, 1,207.2)     | 0.006605 (0.0046365, 0.0092556) |
| Nusa Tenggara Timur | Cirrhosis                                     | 45  | 3,161.6 (2,239.3, 4,327.4) | 0.025394 (0.0179865, 0.0347584) | 1,967.7 (1,440.9, 2,701.2) | 0.015086 (0.0110471, 0.0207096) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 45  | 2,596.0 (1,872.2, 3,412.2) | 0.020852 (0.0150378, 0.0274070) | 1,603.7 (1,196.4, 2,088.1) | 0.012296 (0.0091727, 0.0160091) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 45  | 1,488.6 (1,055.3, 2,011.5) | 0.011956 (0.0084760, 0.0161565) | 1,440.1 (1,054.9, 1,872.0) | 0.011041 (0.0080882, 0.0143521) |
| Nusa Tenggara Timur | Drowning                                      | 45  | 138.9 (57.4, 280.7)        | 0.001116 (0.0004612, 0.0022542) | 74.3 (31.4, 146.7)         | 0.000570 (0.0002410, 0.0011249) |
| Nusa Tenggara Timur | Falls                                         | 45  | 515.2 (296.5, 830.2)       | 0.004139 (0.0023812, 0.0066681) | 311.5 (176.6, 507.0)       | 0.002388 (0.0013540, 0.0038872) |
| Nusa Tenggara Timur | Interpersonal violence                        | 45  | 138.9 (72.8, 235.9)        | 0.001115 (0.0005847, 0.0018944) | 81.3 (41.5, 141.3)         | 0.000623 (0.0003179, 0.0010834) |
| Nusa Tenggara Timur | Self-harm                                     | 45  | 265.0 (147.5, 436.1)       | 0.002129 (0.0011850, 0.0035027) | 120.6 (64.7, 203.4)        | 0.000925 (0.0004961, 0.0015591) |
| Nusa Tenggara Timur | Transport injuries                            | 45  | 1,277.3 (816.7, 1,897.8)   | 0.010259 (0.0065602, 0.0152433) | 495.5 (322.1, 734.9)       | 0.003799 (0.0024697, 0.0056342) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 45  | 670.9 (390.6, 1,053.4)     | 0.005389 (0.0031371, 0.0084612) | 285.7 (165.8, 457.0)       | 0.002191 (0.0012710, 0.0035040) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 50  | 422.6 (264.4, 655.2)       | 0.004015 (0.0025125, 0.0062261) | 622.2 (400.8, 901.7)       | 0.005848 (0.0037673, 0.0084746) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 50  | 52.1 (17.1, 117.2)         | 0.000495 (0.0001628, 0.0011133) | 51.1 (16.2, 120.4)         | 0.000480 (0.0001525, 0.0011313) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 50  | 558.8 (364.4, 837.7)       | 0.005310 (0.0034627, 0.0079608) | 557.4 (368.4, 811.7)       | 0.005239 (0.0034621, 0.0076287) |
| Nusa Tenggara Timur | Malaria                                       | 50  | 358.8 (180.1, 609.2)       | 0.003410 (0.0017112, 0.0057888) | 262.9 (121.3, 485.8)       | 0.002471 (0.0011405, 0.0045662) |
| Nusa Tenggara Timur | Tuberculosis                                  | 50  | 4,846.3 (3,706.8, 6,191.3) | 0.046052 (0.0352245, 0.0588340) | 3,273.8 (2,493.6, 4,202.5) | 0.030770 (0.0234367, 0.0394980) |
| Nusa Tenggara Timur | Maternal disorders                            | 50  |                            |                                 | 31.2 (10.3, 75.0)          | 0.000293 (0.0000968, 0.0007048) |
| Nusa Tenggara Timur | Other communicable diseases                   | 50  | 808.8 (534.1, 1,185.0)     | 0.007686 (0.0050757, 0.0112609) | 913.1 (630.7, 1,307.7)     | 0.008582 (0.0059274, 0.0122909) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 50  | 353.3 (141.0, 701.7)       | 0.003358 (0.0013395, 0.0066680) | 122.9 (46.4, 255.1)        | 0.001155 (0.0004363, 0.0023975) |
| Nusa Tenggara Timur | Breast cancer                                 | 50  | 43.4 (18.9, 87.6)          | 0.000412 (0.0001800, 0.0008328) | 1,938.0 (1,287.3, 2,836.6) | 0.018215 (0.0120989, 0.0266609) |
| Nusa Tenggara Timur | Cervical cancer                               | 50  |                            |                                 | 1,718.7 (988.9, 2,716.8)   | 0.016154 (0.0092943, 0.0255347) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 50  | 4,035.0 (2,948.9, 5,320.5) | 0.038343 (0.0280222, 0.0505589) | 2,574.4 (1,787.1, 3,532.1) | 0.024197 (0.0167969, 0.0331974) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 50  | 4,478.7 (3,355.3, 5,870.7) | 0.042560 (0.0318846, 0.0557870) | 4,418.3 (3,449.8, 5,721.0) | 0.041527 (0.0324241, 0.0537699) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 50  | 4,605.1 (3,482.2, 5,851.1) | 0.043761 (0.0330905, 0.0556013) | 2,801.1 (2,098.9, 3,659.8) | 0.026327 (0.0197266, 0.0343980) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 50  | 687.1 (433.2, 1,082.1)     | 0.006529 (0.0041165, 0.0102828) | 769.4 (491.9, 1,157.1)     | 0.007231 (0.0046234, 0.0108754) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 50  | 2,084.5 (1,459.1, 2,910.7) | 0.019808 (0.0138654, 0.0276597) | 2,453.2 (1,732.6, 3,355.0) | 0.023057 (0.0162839, 0.0315330) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 50  | 1,254.8 (851.1, 1,809.5)   | 0.011924 (0.0080877, 0.0171952) | 889.4 (619.0, 1,243.2)     | 0.008360 (0.0058175, 0.0116841) |
| Nusa Tenggara Timur | Cirrhosis                                     | 50  | 3,374.6 (2,414.9, 4,678.9) | 0.032068 (0.0229481, 0.0444620) | 2,092.9 (1,502.7, 2,888.6) | 0.019671 (0.0141239, 0.0271492) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 50  | 3,422.4 (2,499.0, 4,459.1) | 0.032522 (0.0237472, 0.0423737) | 2,107.5 (1,562.4, 2,774.2) | 0.019808 (0.0146849, 0.0260741) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 50  | 1,627.7 (1,150.9, 2,210.8) | 0.015468 (0.0109362, 0.0210088) | 1,544.9 (1,108.6, 2,053.9) | 0.014520 (0.0104198, 0.0193037) |
| Nusa Tenggara Timur | Drowning                                      | 50  | 93.6 (38.2, 187.6)         | 0.000889 (0.0003627, 0.0017831) | 51.1 (20.8, 103.5)         | 0.000480 (0.0001955, 0.0009732) |
| Nusa Tenggara Timur | Falls                                         | 50  | 543.5 (316.7, 867.0)       | 0.005164 (0.0030094, 0.0082390) | 326.1 (194.5, 514.4)       | 0.003065 (0.0018280, 0.0048347) |
| Nusa Tenggara Timur | Interpersonal violence                        | 50  | 101.7 (51.4, 174.5)        | 0.000967 (0.0004888, 0.0016579) | 55.1 (27.0, 101.5)         | 0.000518 (0.0002538, 0.0009539) |
| Nusa Tenggara Timur | Self-harm                                     | 50  | 215.9 (116.2, 358.4)       | 0.002052 (0.0011046, 0.0034062) | 89.8 (46.0, 155.2)         | 0.000844 (0.0004327, 0.0014587) |
| Nusa Tenggara Timur | Transport injuries                            | 50  | 931.9 (595.3, 1,392.1)     | 0.008856 (0.0056569, 0.0132289) | 349.7 (223.0, 525.3)       | 0.003287 (0.0020957, 0.0049369) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 50  | 511.6 (299.0, 788.6)       | 0.004861 (0.0028409, 0.0074942) | 207.2 (120.5, 332.9)       | 0.001948 (0.0011330, 0.0031286) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 55  | 422.1 (266.1, 643.4)       | 0.005482 (0.0034561, 0.0083554) | 639.4 (422.3, 925.1)       | 0.008445 (0.0055783, 0.0122192) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 55  | 19.7 (5.9, 47.5)           | 0.000256 (0.0000772, 0.0006170) | 19.8 (5.7, 50.6)           | 0.000262 (0.0000757, 0.0006684) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Lower respiratory infections                  | 55  | 540.1 (351.6, 805.3)       | 0.007013 (0.0045658, 0.0104568) | 554.8 (359.1, 784.0)       | 0.007328 (0.0047424, 0.0103552) |
| Nusa Tenggara Timur | Malaria                                       | 55  | 312.5 (158.2, 532.9)       | 0.004057 (0.0020546, 0.0069206) | 231.0 (110.2, 435.4)       | 0.003052 (0.0014558, 0.0057511) |
| Nusa Tenggara Timur | Tuberculosis                                  | 55  | 3,836.0 (2,974.1, 4,914.7) | 0.049812 (0.0386208, 0.0638196) | 2,609.8 (1,950.7, 3,301.2) | 0.034470 (0.0257650, 0.0436021) |
| Nusa Tenggara Timur | Other communicable diseases                   | 55  | 718.4 (482.9, 1,024.9)     | 0.009329 (0.0062703, 0.0133085) | 838.5 (569.0, 1,205.9)     | 0.011075 (0.0075147, 0.0159272) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 55  | 319.6 (134.1, 639.6)       | 0.004151 (0.0017411, 0.0083057) | 95.0 (35.5, 198.9)         | 0.001255 (0.0004689, 0.0026268) |
| Nusa Tenggara Timur | Breast cancer                                 | 55  | 32.0 (13.8, 66.3)          | 0.000416 (0.0001791, 0.0008606) | 1,399.5 (873.9, 2,114.9)   | 0.018484 (0.0115422, 0.0279341) |
| Nusa Tenggara Timur | Cervical cancer                               | 55  |                            |                                 | 1,186.3 (682.5, 1,914.7)   | 0.015669 (0.0090144, 0.0252896) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 55  | 2,875.5 (2,105.9, 3,786.4) | 0.037340 (0.0273458, 0.0491680) | 2,219.1 (1,525.7, 3,034.9) | 0.029310 (0.0201518, 0.0400853) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 55  | 4,991.1 (3,820.3, 6,472.4) | 0.064812 (0.0496081, 0.0840481) | 5,128.2 (3,970.6, 6,422.5) | 0.067733 (0.0524437, 0.0848284) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 55  | 4,845.7 (3,707.6, 6,112.8) | 0.062924 (0.0481449, 0.0793775) | 3,058.4 (2,282.2, 3,960.3) | 0.040396 (0.0301433, 0.0523079) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 55  | 727.2 (461.4, 1,157.9)     | 0.009443 (0.0059912, 0.0150354) | 848.6 (550.2, 1,261.3)     | 0.011208 (0.0072676, 0.0166588) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 55  | 2,025.0 (1,443.0, 2,762.1) | 0.026296 (0.0187383, 0.0358668) | 2,487.8 (1,761.2, 3,365.0) | 0.032859 (0.0232623, 0.0444455) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 55  | 1,097.2 (749.4, 1,588.6)   | 0.014248 (0.0097311, 0.0206287) | 809.1 (559.3, 1,146.9)     | 0.010686 (0.0073873, 0.0151478) |
| Nusa Tenggara Timur | Cirrhosis                                     | 55  | 2,860.0 (2,036.5, 3,922.8) | 0.037139 (0.0264457, 0.0509398) | 1,863.9 (1,307.2, 2,567.4) | 0.024619 (0.0172650, 0.0339107) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 55  | 3,407.1 (2,506.1, 4,418.8) | 0.044243 (0.0325430, 0.0573808) | 2,192.0 (1,605.7, 2,824.2) | 0.028952 (0.0212085, 0.0373014) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 55  | 1,588.3 (1,134.6, 2,135.6) | 0.020625 (0.0147329, 0.0277323) | 1,575.1 (1,120.6, 2,075.2) | 0.020804 (0.0148005, 0.0274097) |
| Nusa Tenggara Timur | Drowning                                      | 55  | 62.0 (24.3, 132.9)         | 0.000805 (0.0003158, 0.0017256) | 34.5 (12.7, 74.6)          | 0.000456 (0.0001679, 0.0009847) |
| Nusa Tenggara Timur | Falls                                         | 55  | 514.5 (308.9, 804.5)       | 0.006681 (0.0040117, 0.0104466) | 311.9 (188.9, 479.0)       | 0.004119 (0.0024949, 0.0063262) |
| Nusa Tenggara Timur | Interpersonal violence                        | 55  | 64.1 (31.9, 115.1)         | 0.000833 (0.0004148, 0.0014942) | 34.0 (16.8, 64.0)          | 0.000450 (0.0002216, 0.0008448) |
| Nusa Tenggara Timur | Self-harm                                     | 55  | 153.4 (80.7, 251.7)        | 0.001993 (0.0010485, 0.0032689) | 62.3 (31.5, 109.4)         | 0.000823 (0.0004165, 0.0014453) |
| Nusa Tenggara Timur | Transport injuries                            | 55  | 534.9 (323.0, 830.4)       | 0.006946 (0.0041945, 0.0107829) | 200.3 (115.4, 313.7)       | 0.002645 (0.0015247, 0.0041431) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 55  | 350.5 (206.9, 553.7)       | 0.004551 (0.0026873, 0.0071895) | 140.7 (80.2, 216.2)        | 0.001859 (0.0010587, 0.0028561) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 60  | 542.8 (344.0, 802.9)       | 0.008846 (0.0056057, 0.0130851) | 827.4 (570.7, 1,129.2)     | 0.012340 (0.0085120, 0.0168401) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 60  | 14.8 (4.1, 37.2)           | 0.000241 (0.0000671, 0.0006062) | 15.4 (4.2, 38.5)           | 0.000230 (0.0000632, 0.0005742) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 60  | 815.4 (546.8, 1,175.6)     | 0.013288 (0.0089114, 0.0191582) | 883.4 (610.7, 1,214.4)     | 0.013176 (0.0091074, 0.0181110) |
| Nusa Tenggara Timur | Malaria                                       | 60  | 348.7 (179.5, 596.0)       | 0.005682 (0.0029250, 0.0097137) | 262.6 (123.9, 481.2)       | 0.003916 (0.0018475, 0.0071763) |
| Nusa Tenggara Timur | Tuberculosis                                  | 60  | 4,629.6 (3,558.4, 5,785.7) | 0.075448 (0.0579904, 0.0942894) | 3,387.9 (2,595.6, 4,157.1) | 0.050527 (0.0387101, 0.0619989) |
| Nusa Tenggara Timur | Other communicable diseases                   | 60  | 677.3 (443.1, 954.5)       | 0.011037 (0.0072209, 0.0155553) | 793.3 (532.3, 1,113.1)     | 0.011831 (0.0079388, 0.0166007) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 60  | 278.0 (111.5, 563.9)       | 0.004530 (0.0018170, 0.0091896) | 94.8 (36.0, 190.2)         | 0.001414 (0.0005373, 0.0028362) |
| Nusa Tenggara Timur | Breast cancer                                 | 60  | 27.3 (11.5, 57.0)          | 0.000445 (0.0001879, 0.0009284) | 1,127.6 (705.0, 1,702.6)   | 0.016816 (0.0105139, 0.0253928) |
| Nusa Tenggara Timur | Cervical cancer                               | 60  |                            |                                 | 1,018.2 (572.1, 1,643.0)   | 0.015185 (0.0085328, 0.0245040) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 60  | 2,824.1 (2,078.7, 3,701.6) | 0.046025 (0.0338764, 0.0603255) | 2,547.2 (1,799.6, 3,381.5) | 0.037988 (0.0268394, 0.0504311) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 60  | 6,079.0 (4,715.4, 7,768.6) | 0.099069 (0.0768464, 0.1266050) | 6,672.2 (5,328.5, 8,157.5) | 0.099508 (0.0794676, 0.1216588) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 60  | 5,123.9 (3,905.3, 6,410.5) | 0.083504 (0.0636451, 0.1044721) | 3,644.4 (2,769.3, 4,566.5) | 0.054352 (0.0413003, 0.0681032) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 60  | 876.6 (549.2, 1,379.2)     | 0.014286 (0.0089506, 0.0224773) | 1,067.5 (693.8, 1,585.0)   | 0.015921 (0.0103478, 0.0236389) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 60  | 1,919.5 (1,385.7, 2,614.1) | 0.031281 (0.0225829, 0.0426014) | 2,546.4 (1,834.0, 3,402.7) | 0.037977 (0.0273524, 0.0507476) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 60  | 1,058.7 (728.0, 1,520.1)   | 0.017253 (0.0118635, 0.0247729) | 841.5 (590.5, 1,184.6)     | 0.012550 (0.0088070, 0.0176675) |
| Nusa Tenggara Timur | Cirrhosis                                     | 60  | 2,720.3 (1,939.5, 3,700.0) | 0.044332 (0.0316081, 0.0602991) | 1,892.2 (1,348.0, 2,540.2) | 0.028220 (0.0201041, 0.0378834) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 60  | 4,981.7 (3,768.5, 6,253.7) | 0.081187 (0.0614150, 0.1019166) | 3,346.8 (2,510.0, 4,151.8) | 0.049913 (0.0374341, 0.0619197) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 60  | 1,964.5 (1,401.9, 2,622.8) | 0.032015 (0.0228471, 0.0427438) | 2,059.9 (1,507.6, 2,640.9) | 0.030721 (0.0224843, 0.0393854) |
| Nusa Tenggara Timur | Drowning                                      | 60  | 56.3 (21.1, 120.2)         | 0.000917 (0.0003436, 0.0019585) | 32.1 (10.8, 66.6)          | 0.000478 (0.0001604, 0.0009939) |
| Nusa Tenggara Timur | Falls                                         | 60  | 504.2 (308.2, 769.6)       | 0.008217 (0.0050226, 0.0125423) | 313.0 (192.3, 460.6)       | 0.004669 (0.0028676, 0.0068693) |
| Nusa Tenggara Timur | Interpersonal violence                        | 60  | 46.0 (23.1, 84.2)          | 0.000749 (0.0003760, 0.0013720) | 25.6 (11.7, 50.3)          | 0.000382 (0.0001743, 0.0007508) |
| Nusa Tenggara Timur | Self-harm                                     | 60  | 122.8 (65.0, 208.1)        | 0.002002 (0.0010597, 0.0033915) | 52.3 (25.6, 90.7)          | 0.000780 (0.0003816, 0.0013528) |
| Nusa Tenggara Timur | Transport injuries                            | 60  | 503.9 (308.9, 763.8)       | 0.008212 (0.0050338, 0.0124470) | 194.5 (115.2, 294.3)       | 0.002901 (0.0017187, 0.0043897) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 60  | 310.0 (175.0, 485.8)       | 0.005052 (0.0028523, 0.0079175) | 128.9 (72.7, 202.6)        | 0.001922 (0.0010843, 0.0030210) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 65  | 888.4 (607.3, 1,273.4)     | 0.018221 (0.0124554, 0.0261166) | 1,195.8 (841.6, 1,584.7)   | 0.025180 (0.0177206, 0.0333685) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 65  | 13.0 (4.1, 31.4)           | 0.000268 (0.0000842, 0.0006449) | 12.6 (3.8, 32.2)           | 0.000265 (0.0000796, 0.0006779) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 65  | 907.0 (596.5, 1,309.6)     | 0.018602 (0.0122328, 0.0268581) | 916.3 (630.5, 1,258.3)     | 0.019294 (0.0132762, 0.0264950) |
| Nusa Tenggara Timur | Malaria                                       | 65  | 335.7 (165.1, 579.0)       | 0.006885 (0.0033853, 0.0118749) | 222.1 (103.9, 413.9)       | 0.004676 (0.0021888, 0.0087158) |
| Nusa Tenggara Timur | Tuberculosis                                  | 65  | 4,334.4 (3,340.5, 5,484.1) | 0.088893 (0.0685093, 0.1124726) | 2,947.0 (2,227.8, 3,628.8) | 0.062055 (0.0469097, 0.0764108) |
| Nusa Tenggara Timur | Other communicable diseases                   | 65  | 663.6 (428.6, 954.1)       | 0.013609 (0.0087910, 0.0195666) | 689.6 (452.8, 984.4)       | 0.014520 (0.0095340, 0.0207280) |

Aim 2 Supplementary Tables

| Location            | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|---------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                     |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 65  | 217.4 (85.0, 446.3)        | 0.004459 (0.0017428, 0.0091521) | 62.7 (23.2, 127.7)         | 0.001321 (0.0004892, 0.0026886) |
| Nusa Tenggara Timur | Breast cancer                                 | 65  | 16.6 (6.3, 34.9)           | 0.000340 (0.0001301, 0.0007158) | 663.4 (403.2, 1,028.8)     | 0.013969 (0.0084904, 0.0216631) |
| Nusa Tenggara Timur | Cervical cancer                               | 65  |                            |                                 | 564.5 (294.8, 923.5)       | 0.011886 (0.0062066, 0.0194459) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 65  | 2,061.3 (1,483.2, 2,743.7) | 0.042275 (0.0304194, 0.0562702) | 2,098.6 (1,503.2, 2,743.6) | 0.044191 (0.0316533, 0.0577716) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 65  | 6,095.8 (4,748.3, 7,773.2) | 0.125018 (0.0973829, 0.1594199) | 6,452.7 (5,083.1, 7,790.7) | 0.135874 (0.1070333, 0.1640479) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 65  | 4,659.2 (3,530.5, 5,918.9) | 0.095554 (0.0724055, 0.1213905) | 3,214.4 (2,449.6, 4,046.1) | 0.067685 (0.0515799, 0.0851987) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 65  | 915.8 (584.3, 1,441.4)     | 0.018782 (0.0119831, 0.0295623) | 1,070.8 (691.0, 1,603.1)   | 0.022547 (0.0145502, 0.0337565) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 65  | 1,414.8 (978.8, 1,960.3)   | 0.029016 (0.0200737, 0.0402037) | 1,835.4 (1,262.9, 2,450.2) | 0.038648 (0.0265935, 0.0515929) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 65  | 901.7 (615.8, 1,297.7)     | 0.018493 (0.0126291, 0.0266139) | 695.9 (483.7, 973.7)       | 0.014653 (0.0101850, 0.0205037) |
| Nusa Tenggara Timur | Cirrhosis                                     | 65  | 2,036.3 (1,431.8, 2,850.6) | 0.041762 (0.0293638, 0.0584627) | 1,376.8 (969.8, 1,868.9)   | 0.028992 (0.0204217, 0.0393534) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 65  | 5,039.7 (3,875.9, 6,388.2) | 0.103358 (0.0794907, 0.1310154) | 3,282.9 (2,462.4, 4,057.6) | 0.069127 (0.0518512, 0.0854412) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 65  | 2,102.6 (1,498.4, 2,809.5) | 0.043121 (0.0307306, 0.0576199) | 2,122.0 (1,546.1, 2,696.5) | 0.044682 (0.0325570, 0.0567805) |
| Nusa Tenggara Timur | Drowning                                      | 65  | 44.2 (15.2, 95.8)          | 0.000907 (0.0003127, 0.0019645) | 23.7 (7.9, 52.4)           | 0.000498 (0.0001672, 0.0011037) |
| Nusa Tenggara Timur | Falls                                         | 65  | 492.9 (293.5, 768.8)       | 0.010108 (0.0060189, 0.0157664) | 286.6 (178.8, 428.9)       | 0.006035 (0.0037660, 0.0090310) |
| Nusa Tenggara Timur | Interpersonal violence                        | 65  | 30.4 (14.2, 60.2)          | 0.000623 (0.0002921, 0.0012350) | 15.7 (6.6, 33.2)           | 0.000330 (0.0001394, 0.0006983) |
| Nusa Tenggara Timur | Self-harm                                     | 65  | 91.3 (45.8, 161.2)         | 0.001873 (0.0009392, 0.0033054) | 36.0 (16.6, 67.1)          | 0.000759 (0.0003486, 0.0014129) |
| Nusa Tenggara Timur | Transport injuries                            | 65  | 380.8 (229.6, 605.2)       | 0.007810 (0.0047093, 0.0124126) | 137.1 (81.5, 222.5)        | 0.002888 (0.0017163, 0.0046845) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 65  | 250.6 (145.1, 403.9)       | 0.005139 (0.0029763, 0.0082837) | 97.0 (54.1, 153.0)         | 0.002043 (0.0011387, 0.0032221) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 70  | 1,141.5 (820.4, 1,568.5)   | 0.034632 (0.0248893, 0.0475878) | 1,600.6 (1,185.6, 2,036.7) | 0.042300 (0.0313325, 0.0538251) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 70  | 14.9 (4.4, 38.2)           | 0.000452 (0.0001338, 0.0011584) | 16.3 (5.0, 41.1)           | 0.000432 (0.0001331, 0.0010866) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 70  | 999.3 (671.5, 1,412.3)     | 0.030317 (0.0203722, 0.0428483) | 1,133.0 (806.0, 1,504.7)   | 0.029942 (0.0213012, 0.0397650) |
| Nusa Tenggara Timur | Malaria                                       | 70  | 273.5 (132.2, 482.3)       | 0.008299 (0.0040098, 0.0146335) | 203.1 (93.5, 378.5)        | 0.005367 (0.0024714, 0.0100018) |
| Nusa Tenggara Timur | Tuberculosis                                  | 70  | 3,707.5 (2,874.8, 4,721.7) | 0.112480 (0.0872185, 0.1432501) | 3,096.2 (2,371.1, 3,732.4) | 0.081825 (0.0626629, 0.0986372) |
| Nusa Tenggara Timur | Other communicable diseases                   | 70  | 639.9 (421.2, 905.0)       | 0.019414 (0.0127783, 0.0274554) | 678.2 (449.6, 949.4)       | 0.017923 (0.0118811, 0.0250908) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 70  | 144.5 (54.1, 301.0)        | 0.004384 (0.0016409, 0.0091322) | 52.7 (20.0, 110.0)         | 0.001393 (0.0005275, 0.0029062) |
| Nusa Tenggara Timur | Breast cancer                                 | 70  | 9.4 (3.3, 21.5)            | 0.000285 (0.0000995, 0.0006508) | 414.3 (257.2, 644.5)       | 0.010950 (0.0067973, 0.0170330) |
| Nusa Tenggara Timur | Cervical cancer                               | 70  |                            |                                 | 300.3 (156.2, 526.4)       | 0.007937 (0.0041279, 0.0139114) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 70  | 1,322.9 (961.0, 1,772.7)   | 0.040136 (0.0291542, 0.0537817) | 1,715.1 (1,254.0, 2,183.2) | 0.045324 (0.0331386, 0.0576967) |
| Nusa Tenggara Timur | Cerebrovascular disease                       | 70  | 5,280.6 (4,141.6, 6,820.1) | 0.160208 (0.1256519, 0.2069138) | 6,804.1 (5,561.9, 8,070.7) | 0.179814 (0.1469857, 0.2132854) |
| Nusa Tenggara Timur | Ischemic heart disease                        | 70  | 3,718.3 (2,835.4, 4,740.4) | 0.112809 (0.0860232, 0.1438189) | 3,392.5 (2,650.9, 4,192.9) | 0.089655 (0.0700563, 0.1108057) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases | 70  | 846.7 (556.0, 1,345.1)     | 0.025689 (0.0168683, 0.0408091) | 1,196.8 (802.8, 1,757.3)   | 0.031627 (0.0212153, 0.0464411) |
| Nusa Tenggara Timur | Diabetes mellitus                             | 70  | 866.6 (616.0, 1,217.3)     | 0.026291 (0.0186895, 0.0369307) | 1,405.1 (1,010.7, 1,881.0) | 0.037132 (0.0267103, 0.0497088) |
| Nusa Tenggara Timur | Chronic kidney disease                        | 70  | 645.2 (436.8, 935.2)       | 0.019574 (0.0132530, 0.0283741) | 629.7 (450.0, 867.4)       | 0.016643 (0.0118915, 0.0229221) |
| Nusa Tenggara Timur | Cirrhosis                                     | 70  | 1,440.9 (1,012.6, 2,004.2) | 0.043715 (0.0307221, 0.0608058) | 1,161.5 (837.1, 1,526.1)   | 0.030696 (0.0221234, 0.0403305) |
| Nusa Tenggara Timur | Chronic respiratory diseases                  | 70  | 5,021.8 (3,915.4, 6,317.1) | 0.152354 (0.1187898, 0.1916535) | 3,955.0 (3,088.7, 4,802.4) | 0.104521 (0.0816250, 0.1269146) |
| Nusa Tenggara Timur | Other non-communicable diseases               | 70  | 1,962.4 (1,425.4, 2,616.3) | 0.059538 (0.0432461, 0.0793761) | 2,402.8 (1,799.0, 3,005.1) | 0.063500 (0.0475431, 0.0794172) |
| Nusa Tenggara Timur | Drowning                                      | 70  | 61.3 (26.1, 133.5)         | 0.001860 (0.0007927, 0.0040497) | 33.6 (13.6, 70.8)          | 0.000888 (0.0003588, 0.0018709) |
| Nusa Tenggara Timur | Falls                                         | 70  | 442.8 (278.8, 666.2)       | 0.013434 (0.0084575, 0.0202125) | 277.9 (181.4, 399.7)       | 0.007344 (0.0047941, 0.0105627) |
| Nusa Tenggara Timur | Interpersonal violence                        | 70  | 17.0 (7.2, 35.5)           | 0.000516 (0.0002171, 0.0010761) | 10.8 (4.1, 24.2)           | 0.000286 (0.0001088, 0.0006408) |
| Nusa Tenggara Timur | Self-harm                                     | 70  | 60.2 (29.3, 103.7)         | 0.001825 (0.0008895, 0.0031456) | 29.8 (13.8, 54.7)          | 0.000789 (0.0003655, 0.0014448) |
| Nusa Tenggara Timur | Transport injuries                            | 70  | 290.6 (172.5, 453.6)       | 0.008818 (0.0052326, 0.0137619) | 116.8 (67.4, 182.7)        | 0.003086 (0.0017807, 0.0048280) |
| Nusa Tenggara Timur | Other unintentional injuries                  | 70  | 193.8 (109.5, 314.0)       | 0.005880 (0.0033224, 0.0095262) | 87.1 (48.5, 142.9)         | 0.002303 (0.0012817, 0.0037763) |
| Nusa Tenggara Timur | Diarrheal diseases                            | 75  | 940.1 (676.8, 1,299.4)     | 0.045953 (0.0330825, 0.0635205) | 1,377.4 (1,033.8, 1,738.0) | 0.060550 (0.0454450, 0.0764018) |
| Nusa Tenggara Timur | HIV/AIDS                                      | 75  | 7.9 (2.4, 21.4)            | 0.000385 (0.0001192, 0.0010443) | 9.1 (3.0, 22.7)            | 0.000402 (0.0001311, 0.0009984) |
| Nusa Tenggara Timur | Lower respiratory infections                  | 75  | 724.7 (487.3, 1,028.9)     | 0.035428 (0.0238227, 0.0502931) | 867.3 (615.8, 1,151.7)     | 0.038125 (0.0270696, 0.0506277) |
| Nusa Tenggara Timur | Malaria                                       | 75  | 189.1 (87.1, 337.7)        | 0.009245 (0.0042596, 0.0165073) | 148.5 (66.7, 275.7)        | 0.006529 (0.0029299, 0.0121215) |
| Nusa Tenggara Timur | Tuberculosis                                  | 75  | 2,157.4 (1,654.1, 2,812.8) | 0.105462 (0.0808563, 0.1374979) | 1,921.9 (1,471.8, 2,337.2) | 0.084485 (0.0647008, 0.1027395) |
| Nusa Tenggara Timur | Other communicable diseases                   | 75  | 427.2 (280.5, 635.0)       | 0.020881 (0.0137093, 0.0310416) | 471.6 (315.6, 664.7)       | 0.020733 (0.0138726, 0.0292195) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer           | 75  | 82.0 (30.8, 176.1)         | 0.004009 (0.0015059, 0.0086089) | 29.2 (10.7, 63.0)          | 0.001284 (0.0004688, 0.0027711) |
| Nusa Tenggara Timur | Breast cancer                                 | 75  | 4.0 (1.3, 9.9)             | 0.000197 (0.0000624, 0.0004863) | 189.2 (112.9, 308.2)       | 0.008316 (0.0049643, 0.0135478) |
| Nusa Tenggara Timur | Cervical cancer                               | 75  |                            |                                 | 126.5 (62.0, 232.4)        | 0.005562 (0.0027264, 0.0102150) |
| Nusa Tenggara Timur | Other malignant neoplasms                     | 75  | 672.2 (480.8, 915.5)       | 0.032860 (0.0235041, 0.0447539) | 1,043.2 (766.7, 1,348.3)   | 0.045857 (0.0337028, 0.0592700) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|---------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                     |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 75  | 3,563.8       | (2,765.5, 4,681.3)   | 0.174207                 | (0.1351838, 0.2288367) | 5,047.8       | (4,184.2, 5,880.1)   | 0.221896                 | (0.1839344, 0.2584845) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 75  | 2,700.8       | (2,058.3, 3,476.8)   | 0.130201                 | (0.1006140, 0.1699543) | 2,735.7       | (2,130.7, 3,337.2)   | 0.120257                 | (0.0936613, 0.1467004) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 75  | 584.3         | (380.3, 931.6)       | 0.028563                 | (0.0185887, 0.0455376) | 909.0         | (608.0, 1,343.5)     | 0.039959                 | (0.0267269, 0.0590569) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 75  | 481.9         | (326.4, 687.1)       | 0.023557                 | (0.0159564, 0.0335897) | 862.7         | (617.6, 1,165.1)     | 0.037923                 | (0.0271474, 0.0512159) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 75  | 381.9         | (259.6, 554.7)       | 0.018669                 | (0.0126880, 0.0271141) | 411.6         | (295.5, 568.8)       | 0.018093                 | (0.0129902, 0.0250043) |
| Nusa Tenggara Timur | Cirrhosis                                                | 75  | 851.2         | (600.6, 1,222.4)     | 0.041608                 | (0.0293595, 0.0597554) | 749.1         | (549.0, 985.8)       | 0.032932                 | (0.0241340, 0.0433344) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 75  | 3,319.6       | (2,548.5, 4,308.8)   | 0.162271                 | (0.1245770, 0.2106242) | 2,846.0       | (2,265.5, 3,435.8)   | 0.125108                 | (0.0995907, 0.1510340) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 75  | 1,520.0       | (1,112.0, 2,046.0)   | 0.074303                 | (0.0543588, 0.1000148) | 2,043.9       | (1,551.5, 2,539.9)   | 0.089847                 | (0.0682021, 0.1116515) |
| Nusa Tenggara Timur | Drowning                                                 | 75  | 54.9          | (21.6, 115.9)        | 0.002686                 | (0.0010557, 0.0056663) | 31.0          | (12.6, 64.1)         | 0.001361                 | (0.0005547, 0.0028198) |
| Nusa Tenggara Timur | Falls                                                    | 75  | 336.3         | (205.8, 513.5)       | 0.016441                 | (0.0100599, 0.0251037) | 218.6         | (144.0, 312.4)       | 0.009610                 | (0.0063313, 0.0137328) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 75  | 8.0           | (2.6, 21.0)          | 0.000390                 | (0.0001276, 0.0010252) | 5.4           | (1.7, 14.7)          | 0.000235                 | (0.0000765, 0.0006482) |
| Nusa Tenggara Timur | Self-harm                                                | 75  | 34.0          | (15.6, 60.6)         | 0.001663                 | (0.0007610, 0.0029629) | 17.9          | (7.6, 34.4)          | 0.000789                 | (0.0003358, 0.0015106) |
| Nusa Tenggara Timur | Transport injuries                                       | 75  | 135.1         | (74.3, 226.3)        | 0.006606                 | (0.0036322, 0.0110638) | 56.5          | (31.7, 93.9)         | 0.002485                 | (0.0013952, 0.0041259) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 75  | 114.9         | (63.0, 196.2)        | 0.005618                 | (0.0030805, 0.0095920) | 54.3          | (28.9, 93.0)         | 0.002385                 | (0.0012708, 0.0040862) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | 80  | 1,623.9       | (1,260.6, 2,066.8)   | 0.115587                 | (0.0897289, 0.1471116) | 2,913.6       | (2,369.1, 3,488.7)   | 0.147443                 | (0.1198871, 0.1765468) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | 80  | 8.3           | (2.2, 23.9)          | 0.000590                 | (0.0001545, 0.0017026) | 12.4          | (3.1, 33.2)          | 0.000629                 | (0.0001580, 0.0016825) |
| Nusa Tenggara Timur | Lower respiratory infections                             | 80  | 859.6         | (607.5, 1,163.2)     | 0.061187                 | (0.0432386, 0.0827977) | 1,358.5       | (979.2, 1,756.2)     | 0.068745                 | (0.0495506, 0.0888721) |
| Nusa Tenggara Timur | Malaria                                                  | 80  | 218.8         | (94.2, 419.2)        | 0.015574                 | (0.0067068, 0.0298406) | 214.0         | (93.9, 422.4)        | 0.010828                 | (0.0047539, 0.0213765) |
| Nusa Tenggara Timur | Tuberculosis                                             | 80  | 2,085.7       | (1,685.4, 2,569.1)   | 0.148462                 | (0.119637, 0.1828668)  | 2,497.6       | (1,980.1, 3,005.6)   | 0.126393                 | (0.1002014, 0.1520952) |
| Nusa Tenggara Timur | Other communicable diseases                              | 80  | 497.6         | (342.1, 695.2)       | 0.035422                 | (0.0243485, 0.0494869) | 676.6         | (458.2, 945.6)       | 0.034241                 | (0.0231861, 0.0478527) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer                      | 80  | 59.5          | (21.6, 127.2)        | 0.004237                 | (0.0015391, 0.0090562) | 31.3          | (11.0, 67.2)         | 0.001581                 | (0.0005582, 0.0034013) |
| Nusa Tenggara Timur | Breast cancer                                            | 80  | 3.0           | (0.8, 8.2)           | 0.000216                 | (0.0000571, 0.0005826) | 161.4         | (85.0, 287.0)        | 0.008165                 | (0.0043031, 0.0145223) |
| Nusa Tenggara Timur | Cervical cancer                                          | 80  |               |                      |                          |                        | 95.4          | (40.9, 195.7)        | 0.004827                 | (0.0020692, 0.0099015) |
| Nusa Tenggara Timur | Other malignant neoplasms                                | 80  | 539.0         | (397.1, 712.1)       | 0.038367                 | (0.0282675, 0.0506892) | 1,068.5       | (800.0, 1,389.6)     | 0.054072                 | (0.0404814, 0.0703200) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | 80  | 3,466.0       | (2,884.5, 4,207.2)   | 0.246705                 | (0.2053171, 0.2994630) | 6,669.8       | (5,800.8, 7,610.8)   | 0.337521                 | (0.2935479, 0.3851443) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | 80  | 2,404.8       | (1,910.5, 2,971.1)   | 0.171171                 | (0.1359909, 0.2114792) | 3,506.6       | (2,854.3, 4,203.1)   | 0.177452                 | (0.1444415, 0.2126949) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | 80  | 537.8         | (350.8, 819.6)       | 0.038280                 | (0.0249679, 0.0583417) | 1,103.6       | (741.4, 1,621.9)     | 0.055846                 | (0.0375189, 0.0820734) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | 80  | 374.5         | (264.4, 521.5)       | 0.026657                 | (0.0188225, 0.0371169) | 907.8         | (644.4, 1,203.2)     | 0.045939                 | (0.0326080, 0.0608852) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | 80  | 308.9         | (211.0, 442.0)       | 0.021987                 | (0.0150210, 0.0314595) | 451.1         | (318.9, 615.7)       | 0.022826                 | (0.0161366, 0.0311566) |
| Nusa Tenggara Timur | Cirrhosis                                                | 80  | 695.7         | (501.0, 935.4)       | 0.049517                 | (0.0356621, 0.0665828) | 822.0         | (606.6, 1,091.6)     | 0.041599                 | (0.0306945, 0.0552377) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | 80  | 3,298.6       | (2,743.8, 3,969.4)   | 0.234790                 | (0.1953054, 0.2825384) | 3,676.4       | (3,063.3, 4,303.2)   | 0.186043                 | (0.1550155, 0.2177644) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | 80  | 1,643.0       | (1,267.2, 2,069.4)   | 0.116948                 | (0.0901967, 0.1472971) | 2,958.5       | (2,337.2, 3,571.8)   | 0.149713                 | (0.1182740, 0.1807480) |
| Nusa Tenggara Timur | Drowning                                                 | 80  | 46.5          | (16.7, 99.1)         | 0.003311                 | (0.0011896, 0.0070537) | 33.7          | (11.6, 71.6)         | 0.001705                 | (0.0005876, 0.0036246) |
| Nusa Tenggara Timur | Falls                                                    | 80  | 383.0         | (252.3, 545.1)       | 0.027262                 | (0.0179602, 0.0387986) | 322.3         | (221.6, 444.4)       | 0.016308                 | (0.0112121, 0.0224870) |
| Nusa Tenggara Timur | Interpersonal violence                                   | 80  | 5.6           | (1.1, 17.3)          | 0.000400                 | (0.0000817, 0.0012308) | 5.0           | (1.0, 16.3)          | 0.000251                 | (0.0000519, 0.0008237) |
| Nusa Tenggara Timur | Self-harm                                                | 80  | 28.9          | (12.3, 57.3)         | 0.002054                 | (0.0008736, 0.0040753) | 20.0          | (7.8, 40.2)          | 0.001012                 | (0.0003962, 0.0020338) |
| Nusa Tenggara Timur | Transport injuries                                       | 80  | 102.2         | (53.0, 169.7)        | 0.007278                 | (0.0037756, 0.0120790) | 55.5          | (28.3, 94.2)         | 0.002809                 | (0.0014336, 0.0047657) |
| Nusa Tenggara Timur | Other unintentional injuries                             | 80  | 95.8          | (49.7, 164.3)        | 0.006817                 | (0.0035404, 0.0116964) | 58.9          | (29.3, 103.2)        | 0.002982                 | (0.0014812, 0.0052242) |
| Nusa Tenggara Timur | Diarrheal diseases                                       | All | 19,233.0      | (13,745.5, 26,944.0) | 0.007598                 | (0.0054303, 0.0106445) | 22,237.4      | (16,685.8, 29,689.0) | 0.008727                 | (0.0065481, 0.0116511) |
| Nusa Tenggara Timur | HIV/AIDS                                                 | All | 4,282.3       | (1,867.6, 8,112.0)   | 0.001692                 | (0.0007378, 0.0032047) | 2,868.8       | (1,217.3, 5,653.4)   | 0.001126                 | (0.0004777, 0.0022186) |
| Nusa Tenggara Timur | Lower respiratory infections                             | All | 46,844.5      | (31,186.0, 66,487.4) | 0.018507                 | (0.0123204, 0.0262666) | 33,882.9      | (23,382.4, 47,010.8) | 0.013297                 | (0.0091761, 0.0184488) |
| Nusa Tenggara Timur | Malaria                                                  | All | 7,263.1       | (3,939.5, 11,274.3)  | 0.002869                 | (0.0015563, 0.0044540) | 4,957.3       | (2,608.7, 8,232.6)   | 0.001945                 | (0.0010237, 0.0032308) |
| Nusa Tenggara Timur | Tuberculosis                                             | All | 63,198.7      | (50,438.3, 77,097.7) | 0.024967                 | (0.0199262, 0.0304583) | 41,343.3      | (33,451.6, 49,925.5) | 0.016225                 | (0.0131276, 0.0195927) |
| Nusa Tenggara Timur | Maternal disorders                                       | All |               |                      |                          |                        | 7,361.2       | (5,750.8, 9,475.3)   | 0.002889                 | (0.0022568, 0.0037185) |
| Nusa Tenggara Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 30,541.4      | (14,598.7, 50,915.4) | 0.012066                 | (0.0057674, 0.0201147) | 20,566.8      | (9,900.8, 36,405.6)  | 0.008071                 | (0.0038854, 0.0142869) |
| Nusa Tenggara Timur | Preterm birth complications                              | All | 21,824.7      | (9,725.3, 38,293.2)  | 0.008622                 | (0.0038421, 0.0151282) | 19,803.9      | (9,186.4, 36,110.5)  | 0.007772                 | (0.0036051, 0.0141711) |
| Nusa Tenggara Timur | Other neonatal disorders                                 | All | 25,137.6      | (11,635.6, 42,955.4) | 0.009931                 | (0.0045968, 0.0169701) | 16,595.5      | (7,346.6, 30,303.9)  | 0.006513                 | (0.0028831, 0.0118924) |
| Nusa Tenggara Timur | Other communicable diseases                              | All | 43,685.5      | (32,405.9, 59,774.9) | 0.017258                 | (0.0128023, 0.0236148) | 31,910.3      | (23,651.8, 43,468.6) | 0.012523                 | (0.0092818, 0.0170587) |
| Nusa Tenggara Timur | Tracheal, bronchus, and lung cancer                      | All | 2,399.0       | (973.8, 4,824.8)     | 0.000948                 | (0.0003847, 0.0019061) | 910.0         | (371.8, 1,811.8)     | 0.000357                 | (0.0001459, 0.0007110) |
| Nusa Tenggara Timur | Breast cancer                                            | All | 256.4         | (118.8, 514.9)       | 0.000101                 | (0.0000470, 0.0002034) | 13,985.6      | (9,455.4, 20,173.1)  | 0.005489                 | (0.0037107, 0.0079167) |
| Nusa Tenggara Timur | Cervical cancer                                          | All |               |                      |                          |                        | 11,199.4      | (6,745.5, 17,929.6)  | 0.004395                 | (0.0026472, 0.0070363) |

Aim 2 Supplementary Tables

| Location            | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|---------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                     |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Nusa Tenggara Timur | Other malignant neoplasms                                | All | 38,144.4      | (28,996.7, 48,719.8) | 0.015069                 | (0.0114555, 0.0192473) | 34,132.5      | (25,930.2, 43,233.8) | 0.013395                 | (0.0101760, 0.0169666) |
| Nusa Tenggara Timur | Cerebrovascular disease                                  | All | 42,816.2      | (33,433.8, 54,599.8) | 0.016915                 | (0.0132084, 0.0215703) | 49,559.1      | (40,332.7, 60,179.8) | 0.019449                 | (0.0158281, 0.0236168) |
| Nusa Tenggara Timur | Ischemic heart disease                                   | All | 39,519.4      | (30,627.8, 49,634.4) | 0.015613                 | (0.0120999, 0.0196086) | 29,202.1      | (22,691.6, 36,306.2) | 0.011460                 | (0.0089050, 0.0142479) |
| Nusa Tenggara Timur | Other cardiovascular and circulatory diseases            | All | 7,034.6       | (4,555.2, 11,162.2)  | 0.002779                 | (0.0017996, 0.0044098) | 9,118.4       | (6,087.5, 13,454.3)  | 0.003578                 | (0.0023889, 0.0052800) |
| Nusa Tenggara Timur | Diabetes mellitus                                        | All | 12,785.2      | (9,196.6, 17,362.6)  | 0.005051                 | (0.0036332, 0.0068593) | 16,884.3      | (12,068.2, 22,374.8) | 0.006626                 | (0.0047360, 0.0087807) |
| Nusa Tenggara Timur | Chronic kidney disease                                   | All | 11,760.0      | (8,182.1, 16,622.1)  | 0.004646                 | (0.0032324, 0.0065668) | 9,708.9       | (6,958.9, 13,247.6)  | 0.003810                 | (0.0027309, 0.0051988) |
| Nusa Tenggara Timur | Cirrhosis                                                | All | 30,405.2      | (22,413.1, 40,464.2) | 0.012012                 | (0.0088546, 0.0159858) | 19,372.1      | (14,305.9, 25,861.3) | 0.007602                 | (0.0056142, 0.0101490) |
| Nusa Tenggara Timur | Chronic respiratory diseases                             | All | 40,831.9      | (31,186.2, 51,019.9) | 0.016131                 | (0.0123205, 0.0201560) | 28,876.2      | (22,516.6, 35,487.8) | 0.011332                 | (0.0088363, 0.0139268) |
| Nusa Tenggara Timur | Other non-communicable diseases                          | All | 37,092.9      | (27,920.9, 47,555.3) | 0.014654                 | (0.0110305, 0.0187872) | 38,915.9      | (29,928.5, 49,588.5) | 0.015272                 | (0.0117451, 0.0194604) |
| Nusa Tenggara Timur | Drowning                                                 | All | 14,895.4      | (9,451.2, 22,111.3)  | 0.005885                 | (0.0037338, 0.0087353) | 4,716.0       | (2,808.1, 7,410.5)   | 0.001851                 | (0.0011020, 0.0029082) |
| Nusa Tenggara Timur | Falls                                                    | All | 10,531.9      | (6,712.6, 15,581.7)  | 0.004161                 | (0.0026519, 0.0061557) | 5,042.4       | (3,142.3, 7,497.0)   | 0.001979                 | (0.0012332, 0.0029421) |
| Nusa Tenggara Timur | Interpersonal violence                                   | All | 3,187.2       | (1,905.7, 5,012.2)   | 0.001259                 | (0.0007529, 0.0019801) | 2,098.0       | (1,212.4, 3,366.7)   | 0.000823                 | (0.0004758, 0.0013212) |
| Nusa Tenggara Timur | Self-harm                                                | All | 3,971.6       | (2,294.4, 6,283.8)   | 0.001569                 | (0.0009064, 0.0024825) | 2,226.2       | (1,285.9, 3,475.3)   | 0.000874                 | (0.0005046, 0.0013638) |
| Nusa Tenggara Timur | Transport injuries                                       | All | 33,424.2      | (24,648.3, 44,440.1) | 0.013205                 | (0.0097376, 0.0175566) | 11,397.5      | (8,195.8, 15,269.4)  | 0.004473                 | (0.0032164, 0.0059923) |
| Nusa Tenggara Timur | Other unintentional injuries                             | All | 15,699.1      | (10,099.1, 22,706.7) | 0.006202                 | (0.0039898, 0.0089706) | 6,033.1       | (3,785.7, 8,819.2)   | 0.002368                 | (0.0014857, 0.0034610) |
| Kalimantan Barat    | Diarrheal diseases                                       | NN  | 682.1         | (232.9, 1,406.7)     | 0.179363                 | (0.0612444, 0.3699124) | 614.7         | (234.0, 1,297.4)     | 0.164359                 | (0.0625683, 0.3468890) |
| Kalimantan Barat    | Lower respiratory infections                             | NN  | 7,900.4       | (3,462.1, 13,856.4)  | 2.077555                 | (0.9104347, 3.6438019) | 5,048.8       | (2,232.3, 9,501.3)   | 1.349948                 | (0.5968783, 2.5404429) |
| Kalimantan Barat    | Malaria                                                  | NN  | 52.8          | (5.2, 214.8)         | 0.013896                 | (0.0013598, 0.0564894) | 34.6          | (3.2, 146.7)         | 0.009258                 | (0.0008503, 0.0392335) |
| Kalimantan Barat    | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 16,918.4      | (7,930.4, 27,939.4)  | 4.449037                 | (2.0854559, 7.3471990) | 11,901.4      | (5,797.1, 20,910.9)  | 3.182184                 | (1.5500211, 5.5911250) |
| Kalimantan Barat    | Preterm birth complications                              | NN  | 12,797.4      | (5,696.8, 22,311.1)  | 3.365326                 | (1.4980720, 5.8671331) | 12,066.6      | (5,724.7, 21,648.1)  | 3.226355                 | (1.5306660, 5.7882252) |
| Kalimantan Barat    | Other neonatal disorders                                 | NN  | 7,876.5       | (2,605.9, 16,221.5)  | 2.071285                 | (0.6852707, 4.2657681) | 5,362.4       | (1,687.2, 11,715.6)  | 1.433784                 | (0.4511252, 3.1325049) |
| Kalimantan Barat    | Other communicable diseases                              | NN  | 947.8         | (341.9, 2,048.9)     | 0.249234                 | (0.0899020, 0.5388008) | 601.1         | (212.7, 1,400.9)     | 0.160724                 | (0.0568633, 0.3745604) |
| Kalimantan Barat    | Other malignant neoplasms                                | NN  | 420.1         | (145.4, 937.9)       | 0.110468                 | (0.0382452, 0.2466301) | 341.1         | (116.6, 786.4)       | 0.091216                 | (0.0311756, 0.2102595) |
| Kalimantan Barat    | Cerebrovascular disease                                  | NN  | 82.2          | (19.1, 214.6)        | 0.021612                 | (0.0050100, 0.0564376) | 86.8          | (21.1, 230.5)        | 0.023201                 | (0.0056507, 0.0616323) |
| Kalimantan Barat    | Other cardiovascular and circulatory diseases            | NN  | 109.2         | (24.0, 312.4)        | 0.028727                 | (0.0063048, 0.0821528) | 111.5         | (24.5, 320.7)        | 0.029812                 | (0.0065592, 0.0857589) |
| Kalimantan Barat    | Diabetes mellitus                                        | NN  | 17.7          | (0.1, 138.9)         | 0.004650                 | (0.0000280, 0.0365343) | 22.1          | (0.1, 170.7)         | 0.005900                 | (0.0000263, 0.0456420) |
| Kalimantan Barat    | Other non-communicable diseases                          | NN  | 7,045.1       | (3,463.8, 11,535.7)  | 1.852653                 | (0.9108703, 3.0335410) | 6,529.0       | (3,294.8, 11,048.2)  | 1.745708                 | (0.8809524, 2.9540520) |
| Kalimantan Barat    | Drowning                                                 | NN  | 806.1         | (264.8, 1,802.3)     | 0.211968                 | (0.0696370, 0.4739373) | 213.7         | (65.9, 506.8)        | 0.057135                 | (0.0176238, 0.1355200) |
| Kalimantan Barat    | Falls                                                    | NN  | 209.3         | (55.1, 524.0)        | 0.055030                 | (0.0144769, 0.1378012) | 74.2          | (19.8, 193.7)        | 0.019837                 | (0.0052834, 0.0517847) |
| Kalimantan Barat    | Interpersonal violence                                   | NN  | 136.9         | (35.7, 347.2)        | 0.035990                 | (0.0093860, 0.0912917) | 79.8          | (20.6, 207.7)        | 0.021345                 | (0.0055163, 0.0555268) |
| Kalimantan Barat    | Transport injuries                                       | NN  | 423.0         | (122.7, 975.5)       | 0.111225                 | (0.0322638, 0.2565165) | 108.8         | (31.6, 261.1)        | 0.029084                 | (0.0084485, 0.0698129) |
| Kalimantan Barat    | Other unintentional injuries                             | NN  | 924.4         | (317.0, 1,991.1)     | 0.243081                 | (0.0833563, 0.5235945) | 310.0         | (106.1, 690.2)       | 0.082898                 | (0.0283791, 0.1845518) |
| Kalimantan Barat    | Diarrheal diseases                                       | PNN | 205.8         | (90.3, 365.6)        | 0.004336                 | (0.0019023, 0.0077036) | 223.9         | (95.4, 398.3)        | 0.004797                 | (0.0020441, 0.0085324) |
| Kalimantan Barat    | HIV/AIDS                                                 | PNN | 10.5          | (1.9, 33.3)          | 0.000221                 | (0.0000394, 0.0007012) | 7.8           | (1.3, 26.1)          | 0.000167                 | (0.0000286, 0.0005594) |
| Kalimantan Barat    | Lower respiratory infections                             | PNN | 188.9         | (89.3, 325.0)        | 0.003980                 | (0.0018820, 0.0068483) | 140.4         | (64.3, 250.2)        | 0.003009                 | (0.0013775, 0.0053608) |
| Kalimantan Barat    | Malaria                                                  | PNN | 15.7          | (1.6, 59.8)          | 0.000331                 | (0.0000341, 0.0012595) | 12.3          | (1.3, 47.6)          | 0.000264                 | (0.0000270, 0.0010201) |
| Kalimantan Barat    | Tuberculosis                                             | PNN | 34.1          | (12.3, 72.4)         | 0.000719                 | (0.0002587, 0.0015256) | 26.0          | (8.9, 56.3)          | 0.000557                 | (0.0001900, 0.0012056) |
| Kalimantan Barat    | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 13.0          | (3.7, 32.9)          | 0.000274                 | (0.0000783, 0.0006940) | 10.1          | (2.7, 26.4)          | 0.000217                 | (0.0000578, 0.0005648) |
| Kalimantan Barat    | Preterm birth complications                              | PNN | 24.2          | (7.5, 54.2)          | 0.000509                 | (0.0001574, 0.0011411) | 28.3          | (9.2, 66.9)          | 0.000606                 | (0.0001981, 0.0014337) |
| Kalimantan Barat    | Other neonatal disorders                                 | PNN | 23.1          | (5.0, 65.8)          | 0.000487                 | (0.0001063, 0.0013858) | 17.8          | (4.0, 50.6)          | 0.000382                 | (0.0000848, 0.0010830) |
| Kalimantan Barat    | Other communicable diseases                              | PNN | 314.3         | (146.3, 558.9)       | 0.006622                 | (0.0030825, 0.0117764) | 241.5         | (109.4, 437.6)       | 0.005173                 | (0.0023432, 0.0093751) |
| Kalimantan Barat    | Other malignant neoplasms                                | PNN | 7.1           | (2.4, 15.5)          | 0.000150                 | (0.0000516, 0.0003257) | 6.6           | (2.2, 13.8)          | 0.000140                 | (0.0000469, 0.0002947) |
| Kalimantan Barat    | Cerebrovascular disease                                  | PNN | 1.4           | (0.3, 3.6)           | 0.000029                 | (0.0000074, 0.0000753) | 1.7           | (0.4, 4.2)           | 0.000036                 | (0.0000089, 0.0000899) |
| Kalimantan Barat    | Ischemic heart disease                                   | PNN | 0.8           | (0.0, 3.7)           | 0.000017                 | (0.0000010, 0.0000788) | 1.0           | (0.1, 5.0)           | 0.000021                 | (0.0000012, 0.0001078) |
| Kalimantan Barat    | Other cardiovascular and circulatory diseases            | PNN | 1.8           | (0.4, 5.0)           | 0.000039                 | (0.0000093, 0.0001046) | 2.1           | (0.5, 6.1)           | 0.000045                 | (0.0000104, 0.0001316) |
| Kalimantan Barat    | Diabetes mellitus                                        | PNN | 0.3           | (0.0, 2.5)           | 0.000007                 | (0.0000000, 0.0000534) | 0.4           | (0.0, 3.3)           | 0.000009                 | (0.0000000, 0.0000706) |
| Kalimantan Barat    | Chronic kidney disease                                   | PNN | 7.4           | (2.6, 15.9)          | 0.000156                 | (0.0000547, 0.0003352) | 6.7           | (2.3, 15.8)          | 0.000144                 | (0.0000489, 0.0003391) |
| Kalimantan Barat    | Other non-communicable diseases                          | PNN | 117.8         | (57.6, 194.9)        | 0.002483                 | (0.0012125, 0.0041070) | 124.2         | (60.6, 216.1)        | 0.002661                 | (0.0012975, 0.0046293) |
| Kalimantan Barat    | Drowning                                                 | PNN | 16.5          | (5.5, 35.7)          | 0.000347                 | (0.0001167, 0.0007522) | 5.0           | (1.6, 11.4)          | 0.000107                 | (0.0000344, 0.0002447) |
| Kalimantan Barat    | Falls                                                    | PNN | 4.1           | (1.1, 10.5)          | 0.000087                 | (0.0000233, 0.0002214) | 1.7           | (0.4, 4.4)           | 0.000036                 | (0.0000094, 0.0000946) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|------------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Barat | Interpersonal violence                                   | PNN | 2.6 (0.7, 6.3)             | 0.000055 (0.0000154, 0.0001319) | 1.7 (0.5, 4.6)             | 0.000037 (0.0000099, 0.0000977) |
| Kalimantan Barat | Transport injuries                                       | PNN | 8.5 (2.6, 19.5)            | 0.000179 (0.0000554, 0.0004100) | 2.5 (0.7, 5.9)             | 0.000054 (0.0000157, 0.0001274) |
| Kalimantan Barat | Other unintentional injuries                             | PNN | 17.8 (6.4, 37.3)           | 0.000376 (0.0001349, 0.0007858) | 6.8 (2.4, 15.3)            | 0.000146 (0.0000511, 0.0003279) |
| Kalimantan Barat | Diarrheal diseases                                       | 1   | 1,273.3 (430.6, 2,807.2)   | 0.006180 (0.0020899, 0.0136245) | 1,597.2 (619.6, 3,343.0)   | 0.008170 (0.0031693, 0.0171009) |
| Kalimantan Barat | HIV/AIDS                                                 | 1   | 150.6 (25.9, 511.4)        | 0.000731 (0.0001255, 0.0024820) | 131.5 (21.4, 459.3)        | 0.000672 (0.0001094, 0.0023494) |
| Kalimantan Barat | Lower respiratory infections                             | 1   | 2,655.4 (1,029.5, 5,667.2) | 0.012888 (0.0049967, 0.0275054) | 2,324.9 (957.7, 4,496.1)   | 0.011893 (0.0048989, 0.0229993) |
| Kalimantan Barat | Malaria                                                  | 1   | 78.2 (7.8, 335.9)          | 0.000380 (0.0000379, 0.0016302) | 70.0 (6.8, 289.5)          | 0.000358 (0.0000346, 0.0014808) |
| Kalimantan Barat | Tuberculosis                                             | 1   | 514.4 (166.1, 1,179.4)     | 0.002497 (0.0008060, 0.0057240) | 462.0 (166.2, 1,034.5)     | 0.002363 (0.0008502, 0.0052921) |
| Kalimantan Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 95.8 (21.6, 269.5)         | 0.000465 (0.0001050, 0.0013078) | 83.0 (18.8, 229.0)         | 0.000425 (0.0000962, 0.0011713) |
| Kalimantan Barat | Preterm birth complications                              | 1   | 34.1 (5.0, 127.9)          | 0.000166 (0.0000241, 0.0006206) | 44.0 (6.6, 153.4)          | 0.000225 (0.0000337, 0.0007846) |
| Kalimantan Barat | Other neonatal disorders                                 | 1   | 24.6 (0.2, 184.9)          | 0.000119 (0.0000008, 0.0008972) | 20.9 (0.2, 136.0)          | 0.000107 (0.0000008, 0.0006959) |
| Kalimantan Barat | Other communicable diseases                              | 1   | 4,033.5 (1,588.7, 8,254.6) | 0.019576 (0.0077107, 0.0400631) | 3,656.9 (1,582.7, 7,101.9) | 0.018707 (0.0080959, 0.0363289) |
| Kalimantan Barat | Other malignant neoplasms                                | 1   | 70.1 (19.8, 167.9)         | 0.000340 (0.0000962, 0.0008149) | 80.6 (25.8, 194.9)         | 0.000412 (0.0001321, 0.0009971) |
| Kalimantan Barat | Cerebrovascular disease                                  | 1   | 14.9 (3.1, 41.1)           | 0.000072 (0.0000149, 0.0001996) | 22.4 (5.2, 58.8)           | 0.000114 (0.0000268, 0.0003008) |
| Kalimantan Barat | Ischemic heart disease                                   | 1   | 8.7 (0.5, 44.8)            | 0.000042 (0.0000027, 0.0002173) | 13.0 (0.8, 66.8)           | 0.000066 (0.0000042, 0.0003419) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases            | 1   | 18.7 (3.7, 56.8)           | 0.000091 (0.0000177, 0.0002756) | 26.9 (5.7, 81.2)           | 0.000138 (0.0000293, 0.0004151) |
| Kalimantan Barat | Diabetes mellitus                                        | 1   | 2.9 (0.0, 22.5)            | 0.000014 (0.0000001, 0.0001090) | 4.9 (0.0, 39.6)            | 0.000025 (0.0000001, 0.0002025) |
| Kalimantan Barat | Chronic kidney disease                                   | 1   | 71.1 (19.1, 173.1)         | 0.000345 (0.0000927, 0.0008403) | 80.3 (24.1, 190.4)         | 0.000411 (0.0001233, 0.0009740) |
| Kalimantan Barat | Cirrhosis                                                | 1   | 102.3 (26.8, 270.7)        | 0.000496 (0.0001300, 0.0013140) | 67.5 (17.2, 172.9)         | 0.000345 (0.0000882, 0.0008846) |
| Kalimantan Barat | Chronic respiratory diseases                             | 1   | 207.7 (60.7, 522.1)        | 0.001008 (0.0002948, 0.0025339) | 103.6 (28.5, 274.8)        | 0.000530 (0.0001458, 0.0014059) |
| Kalimantan Barat | Other non-communicable diseases                          | 1   | 1,168.8 (437.6, 2,484.2)   | 0.005673 (0.0021238, 0.0120571) | 1,536.6 (662.6, 3,023.0)   | 0.007861 (0.0033896, 0.0154638) |
| Kalimantan Barat | Drowning                                                 | 1   | 637.6 (197.3, 1,450.3)     | 0.003095 (0.0009578, 0.0070388) | 236.5 (74.9, 518.2)        | 0.001210 (0.0003834, 0.0026509) |
| Kalimantan Barat | Falls                                                    | 1   | 112.9 (27.8, 299.3)        | 0.000548 (0.0001347, 0.0014526) | 55.3 (13.7, 148.3)         | 0.000283 (0.0000703, 0.0007586) |
| Kalimantan Barat | Interpersonal violence                                   | 1   | 58.9 (16.4, 149.2)         | 0.000286 (0.0000797, 0.0007240) | 46.9 (13.1, 112.6)         | 0.000240 (0.0000671, 0.0005758) |
| Kalimantan Barat | Transport injuries                                       | 1   | 297.0 (86.6, 703.3)        | 0.001442 (0.0004204, 0.0034136) | 107.5 (32.5, 261.1)        | 0.000550 (0.0001660, 0.0013356) |
| Kalimantan Barat | Other unintentional injuries                             | 1   | 419.2 (133.3, 946.4)       | 0.002034 (0.0006468, 0.0045934) | 195.4 (64.3, 434.8)        | 0.001000 (0.0003290, 0.0022242) |
| Kalimantan Barat | Diarrheal diseases                                       | 5   | 1,202.6 (633.5, 1,900.1)   | 0.004525 (0.0023834, 0.0071486) | 1,225.9 (696.9, 1,896.4)   | 0.004830 (0.0027457, 0.0074716) |
| Kalimantan Barat | HIV/AIDS                                                 | 5   | 103.2 (14.0, 335.0)        | 0.000388 (0.0000527, 0.0012605) | 71.9 (10.2, 246.4)         | 0.000283 (0.0000403, 0.0009708) |
| Kalimantan Barat | Lower respiratory infections                             | 5   | 1,718.0 (1,099.3, 2,461.2) | 0.006464 (0.0041357, 0.0092598) | 1,204.4 (752.5, 1,748.2)   | 0.004745 (0.0029649, 0.0068877) |
| Kalimantan Barat | Malaria                                                  | 5   | 73.1 (8.7, 252.0)          | 0.000275 (0.0000326, 0.0009480) | 52.7 (6.1, 186.6)          | 0.000207 (0.0000239, 0.0007352) |
| Kalimantan Barat | Tuberculosis                                             | 5   | 476.0 (237.8, 857.0)       | 0.001791 (0.0008948, 0.0032241) | 342.8 (173.6, 610.0)       | 0.001351 (0.0006841, 0.0024033) |
| Kalimantan Barat | Other communicable diseases                              | 5   | 3,790.1 (2,803.7, 4,924.0) | 0.014260 (0.0105484, 0.0185255) | 2,783.3 (2,057.7, 3,643.7) | 0.010966 (0.0081070, 0.0143557) |
| Kalimantan Barat | Other malignant neoplasms                                | 5   | 564.5 (297.6, 977.8)       | 0.002124 (0.0011196, 0.0036789) | 537.5 (292.0, 896.2)       | 0.002118 (0.0011506, 0.0035310) |
| Kalimantan Barat | Cerebrovascular disease                                  | 5   | 82.5 (36.8, 160.1)         | 0.000311 (0.0001384, 0.0006023) | 101.7 (47.0, 189.9)        | 0.000401 (0.0001853, 0.0007483) |
| Kalimantan Barat | Ischemic heart disease                                   | 5   | 54.4 (19.3, 119.5)         | 0.000205 (0.0000728, 0.0004495) | 66.0 (23.7, 139.3)         | 0.000260 (0.0000935, 0.0005487) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases            | 5   | 114.2 (43.1, 262.3)        | 0.000430 (0.0001620, 0.0009869) | 133.3 (57.5, 277.3)        | 0.000525 (0.0002264, 0.0010926) |
| Kalimantan Barat | Diabetes mellitus                                        | 5   | 48.3 (16.8, 110.7)         | 0.000182 (0.0000633, 0.0004167) | 66.7 (22.9, 148.4)         | 0.000263 (0.0000900, 0.0005846) |
| Kalimantan Barat | Chronic kidney disease                                   | 5   | 195.3 (93.2, 345.2)        | 0.000735 (0.0003508, 0.0012987) | 184.2 (93.4, 325.0)        | 0.000726 (0.0003679, 0.0012804) |
| Kalimantan Barat | Cirrhosis                                                | 5   | 361.4 (177.9, 652.4)       | 0.001360 (0.0006692, 0.0024545) | 199.3 (95.8, 358.5)        | 0.000785 (0.0003773, 0.0014125) |
| Kalimantan Barat | Chronic respiratory diseases                             | 5   | 223.6 (100.3, 412.2)       | 0.000841 (0.0003772, 0.0015509) | 90.9 (38.5, 179.0)         | 0.000358 (0.0001516, 0.0007052) |
| Kalimantan Barat | Other non-communicable diseases                          | 5   | 1,398.7 (973.6, 1,943.5)   | 0.005263 (0.0036631, 0.0073122) | 1,524.2 (1,103.1, 2,043.2) | 0.006005 (0.0043460, 0.0080499) |
| Kalimantan Barat | Drowning                                                 | 5   | 2,814.5 (1,831.9, 3,869.3) | 0.010589 (0.0068923, 0.0145574) | 1,148.2 (678.8, 1,709.1)   | 0.004524 (0.0026744, 0.0067335) |
| Kalimantan Barat | Falls                                                    | 5   | 277.6 (113.0, 529.7)       | 0.001044 (0.0004252, 0.0019930) | 132.3 (52.1, 261.8)        | 0.000521 (0.0002052, 0.0010315) |
| Kalimantan Barat | Interpersonal violence                                   | 5   | 65.7 (27.7, 137.9)         | 0.000247 (0.0001041, 0.0005190) | 50.9 (20.6, 103.1)         | 0.000201 (0.0000812, 0.0004063) |
| Kalimantan Barat | Transport injuries                                       | 5   | 1,379.5 (740.8, 2,226.8)   | 0.005190 (0.0027872, 0.0083780) | 515.7 (244.0, 896.8)       | 0.002032 (0.0009612, 0.0035331) |
| Kalimantan Barat | Other unintentional injuries                             | 5   | 538.8 (287.9, 886.8)       | 0.002027 (0.0010831, 0.0033364) | 246.0 (123.7, 436.0)       | 0.000969 (0.0004873, 0.0017179) |
| Kalimantan Barat | Diarrheal diseases                                       | 10  | 588.8 (290.6, 1,030.1)     | 0.002330 (0.0011497, 0.0040756) | 541.1 (263.6, 904.7)       | 0.002257 (0.0010995, 0.0037738) |
| Kalimantan Barat | HIV/AIDS                                                 | 10  | 102.1 (20.8, 315.9)        | 0.000404 (0.0000824, 0.0012500) | 65.7 (13.1, 202.7)         | 0.000274 (0.0000548, 0.0008456) |
| Kalimantan Barat | Lower respiratory infections                             | 10  | 1,096.5 (609.4, 1,741.5)   | 0.004338 (0.0024111, 0.0068901) | 677.9 (375.5, 1,086.4)     | 0.002828 (0.0015662, 0.0045313) |
| Kalimantan Barat | Malaria                                                  | 10  | 144.9 (20.8, 462.5)        | 0.000573 (0.0000824, 0.0018300) | 99.1 (13.1, 336.4)         | 0.000413 (0.0000548, 0.0014031) |
| Kalimantan Barat | Tuberculosis                                             | 10  | 1,059.7 (614.7, 1,709.9)   | 0.004193 (0.0024319, 0.0067651) | 720.3 (425.4, 1,144.9)     | 0.003005 (0.0017742, 0.0047754) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Barat | Maternal disorders                            | 10  |                            |                                 | 38.4 (6.7, 100.5)          | 0.000160 (0.0000280, 0.0004191) |
| Kalimantan Barat | Other communicable diseases                   | 10  | 2,837.0 (1,990.1, 3,718.5) | 0.011224 (0.0078738, 0.0147118) | 1,812.7 (1,251.5, 2,409.2) | 0.007561 (0.0052201, 0.0100490) |
| Kalimantan Barat | Other malignant neoplasms                     | 10  | 832.4 (502.1, 1,323.9)     | 0.003294 (0.0019866, 0.0052380) | 751.1 (465.9, 1,139.4)     | 0.003133 (0.0019432, 0.0047525) |
| Kalimantan Barat | Cerebrovascular disease                       | 10  | 136.6 (70.6, 238.0)        | 0.000541 (0.0002794, 0.0009417) | 149.1 (77.6, 244.2)        | 0.000622 (0.0003238, 0.0010185) |
| Kalimantan Barat | Ischemic heart disease                        | 10  | 134.6 (67.2, 245.0)        | 0.000532 (0.0002658, 0.0009692) | 146.2 (78.9, 252.3)        | 0.000610 (0.0003291, 0.0010525) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 10  | 173.3 (78.2, 323.2)        | 0.000686 (0.0003093, 0.0012788) | 185.5 (90.7, 343.4)        | 0.000774 (0.0003782, 0.0014326) |
| Kalimantan Barat | Diabetes mellitus                             | 10  | 69.4 (32.8, 128.2)         | 0.000275 (0.0001296, 0.0005073) | 88.9 (43.2, 163.6)         | 0.000371 (0.0001803, 0.0006825) |
| Kalimantan Barat | Chronic kidney disease                        | 10  | 278.1 (165.7, 430.5)       | 0.001100 (0.0006556, 0.0017033) | 246.0 (146.9, 383.0)       | 0.001026 (0.0006129, 0.0015975) |
| Kalimantan Barat | Cirrhosis                                     | 10  | 422.6 (237.6, 692.6)       | 0.001672 (0.0009402, 0.0027402) | 208.6 (113.6, 337.3)       | 0.000870 (0.0004740, 0.0014068) |
| Kalimantan Barat | Chronic respiratory diseases                  | 10  | 416.3 (223.9, 685.0)       | 0.001647 (0.0008858, 0.0027100) | 166.3 (82.6, 290.8)        | 0.000694 (0.0003446, 0.0012128) |
| Kalimantan Barat | Other non-communicable diseases               | 10  | 1,655.2 (1,200.7, 2,153.7) | 0.006549 (0.0047503, 0.0085207) | 1,612.5 (1,207.7, 2,118.3) | 0.006726 (0.0050375, 0.0088357) |
| Kalimantan Barat | Drowning                                      | 10  | 1,756.3 (1,000.0, 2,700.4) | 0.006949 (0.0039565, 0.0106837) | 541.8 (266.3, 938.9)       | 0.002260 (0.0011108, 0.0039162) |
| Kalimantan Barat | Falls                                         | 10  | 278.3 (117.7, 563.4)       | 0.001101 (0.0004658, 0.0022291) | 109.0 (43.6, 223.3)        | 0.000455 (0.0001817, 0.0009315) |
| Kalimantan Barat | Interpersonal violence                        | 10  | 115.8 (59.0, 208.9)        | 0.000458 (0.0002333, 0.0008265) | 82.1 (39.1, 145.0)         | 0.000343 (0.0001630, 0.0006047) |
| Kalimantan Barat | Self-harm                                     | 10  | 166.6 (63.5, 351.8)        | 0.000659 (0.0002513, 0.0013918) | 101.9 (38.8, 213.3)        | 0.000425 (0.0001620, 0.0008898) |
| Kalimantan Barat | Transport injuries                            | 10  | 2,305.9 (1,475.7, 3,303.8) | 0.009123 (0.0058386, 0.0130713) | 771.4 (436.9, 1,215.0)     | 0.003218 (0.0018223, 0.0050678) |
| Kalimantan Barat | Other unintentional injuries                  | 10  | 606.1 (344.8, 942.9)       | 0.002398 (0.0013641, 0.0037306) | 241.9 (126.3, 405.9)       | 0.001009 (0.0005267, 0.0016932) |
| Kalimantan Barat | Diarrheal diseases                            | 15  | 336.4 (132.5, 669.4)       | 0.001538 (0.0006059, 0.0030612) | 231.7 (95.0, 431.2)        | 0.001091 (0.0004473, 0.0020297) |
| Kalimantan Barat | HIV/AIDS                                      | 15  | 91.4 (15.7, 312.2)         | 0.000418 (0.0000717, 0.0014278) | 45.3 (7.8, 164.6)          | 0.000213 (0.0000367, 0.0007749) |
| Kalimantan Barat | Lower respiratory infections                  | 15  | 559.9 (269.2, 1,010.1)     | 0.002560 (0.0012312, 0.0046192) | 246.8 (114.9, 438.2)       | 0.001162 (0.0005409, 0.0020624) |
| Kalimantan Barat | Malaria                                       | 15  | 306.7 (50.0, 909.7)        | 0.001403 (0.0002285, 0.0041599) | 159.3 (23.1, 455.7)        | 0.000750 (0.0001088, 0.0021448) |
| Kalimantan Barat | Tuberculosis                                  | 15  | 1,692.8 (1,048.2, 2,550.9) | 0.007741 (0.0047930, 0.0116648) | 819.4 (514.0, 1,197.2)     | 0.003857 (0.0024193, 0.0056349) |
| Kalimantan Barat | Maternal disorders                            | 15  |                            |                                 | 1,107.1 (675.7, 1,660.0)   | 0.005211 (0.0031802, 0.0078135) |
| Kalimantan Barat | Other communicable diseases                   | 15  | 2,093.6 (1,249.4, 3,023.5) | 0.009574 (0.0057134, 0.0138257) | 983.7 (582.6, 1,470.5)     | 0.004630 (0.0027423, 0.0069216) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 15  | 158.3 (46.6, 400.3)        | 0.000724 (0.0002130, 0.0018305) | 59.8 (14.9, 155.8)         | 0.000282 (0.0000700, 0.0007335) |
| Kalimantan Barat | Breast cancer                                 | 15  | 3.3 (0.3, 13.2)            | 0.000015 (0.0000013, 0.0000604) | 85.5 (19.2, 210.7)         | 0.000402 (0.0000904, 0.0009919) |
| Kalimantan Barat | Cervical cancer                               | 15  |                            |                                 | 80.6 (14.1, 232.0)         | 0.000380 (0.0000665, 0.0010919) |
| Kalimantan Barat | Other malignant neoplasms                     | 15  | 888.2 (508.9, 1,449.8)     | 0.004062 (0.0023272, 0.0066295) | 972.1 (590.6, 1,453.9)     | 0.004576 (0.0027799, 0.0068431) |
| Kalimantan Barat | Cerebrovascular disease                       | 15  | 242.8 (125.8, 423.8)       | 0.001110 (0.0005753, 0.0019380) | 260.2 (131.3, 427.8)       | 0.001225 (0.0006178, 0.0020134) |
| Kalimantan Barat | Ischemic heart disease                        | 15  | 384.5 (214.2, 658.9)       | 0.001758 (0.0009795, 0.0030128) | 358.6 (204.1, 579.3)       | 0.001688 (0.0009605, 0.0027265) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 15  | 250.0 (111.3, 471.8)       | 0.001143 (0.0005092, 0.0021573) | 288.6 (133.6, 547.1)       | 0.001358 (0.0006290, 0.0025750) |
| Kalimantan Barat | Diabetes mellitus                             | 15  | 99.6 (46.6, 186.4)         | 0.000455 (0.0002132, 0.0008523) | 141.1 (65.4, 260.9)        | 0.000664 (0.0003077, 0.0012279) |
| Kalimantan Barat | Chronic kidney disease                        | 15  | 358.1 (199.9, 590.8)       | 0.001638 (0.0009143, 0.0027014) | 350.6 (211.3, 553.5)       | 0.001650 (0.0009946, 0.0026053) |
| Kalimantan Barat | Cirrhosis                                     | 15  | 496.9 (255.2, 833.6)       | 0.002272 (0.0011671, 0.0038121) | 268.3 (136.9, 444.7)       | 0.001263 (0.0006445, 0.0020932) |
| Kalimantan Barat | Chronic respiratory diseases                  | 15  | 317.1 (158.4, 548.2)       | 0.001450 (0.0007246, 0.0025068) | 166.2 (78.0, 302.8)        | 0.000783 (0.0003669, 0.0014255) |
| Kalimantan Barat | Other non-communicable diseases               | 15  | 1,865.3 (1,267.2, 2,621.9) | 0.008530 (0.0057945, 0.0119895) | 1,856.0 (1,333.2, 2,444.7) | 0.008736 (0.0062753, 0.0115067) |
| Kalimantan Barat | Drowning                                      | 15  | 1,213.5 (579.1, 2,202.8)   | 0.005549 (0.0026482, 0.0100730) | 379.2 (164.7, 740.9)       | 0.001785 (0.0007750, 0.0034872) |
| Kalimantan Barat | Falls                                         | 15  | 293.7 (135.8, 545.3)       | 0.001343 (0.0006209, 0.0024936) | 125.0 (52.8, 244.1)        | 0.000588 (0.0002484, 0.0011490) |
| Kalimantan Barat | Interpersonal violence                        | 15  | 252.5 (136.0, 438.7)       | 0.001155 (0.0006219, 0.0020063) | 202.2 (104.5, 345.1)       | 0.000952 (0.0004917, 0.0016245) |
| Kalimantan Barat | Self-harm                                     | 15  | 298.5 (140.3, 568.9)       | 0.001365 (0.0006417, 0.0026016) | 207.9 (92.7, 393.1)        | 0.000979 (0.0004362, 0.0018503) |
| Kalimantan Barat | Transport injuries                            | 15  | 6,572.5 (4,754.7, 8,759.7) | 0.030055 (0.0217424, 0.0400564) | 2,803.1 (1,958.4, 3,713.9) | 0.013194 (0.0092179, 0.0174804) |
| Kalimantan Barat | Other unintentional injuries                  | 15  | 917.1 (550.8, 1,442.7)     | 0.004194 (0.0025187, 0.0065971) | 404.3 (222.7, 666.8)       | 0.001903 (0.0010483, 0.0031386) |
| Kalimantan Barat | Diarrheal diseases                            | 20  | 321.9 (128.1, 620.8)       | 0.001517 (0.0006035, 0.0029253) | 203.5 (83.8, 387.5)        | 0.000967 (0.0003983, 0.0018409) |
| Kalimantan Barat | HIV/AIDS                                      | 20  | 311.9 (67.4, 935.5)        | 0.001470 (0.0003175, 0.0044085) | 136.7 (29.1, 400.6)        | 0.000649 (0.0001382, 0.0019033) |
| Kalimantan Barat | Lower respiratory infections                  | 20  | 558.3 (256.5, 1,052.2)     | 0.002631 (0.0012087, 0.0049583) | 206.6 (93.4, 394.0)        | 0.000982 (0.0004437, 0.0018718) |
| Kalimantan Barat | Malaria                                       | 20  | 366.5 (56.6, 1,018.5)      | 0.001727 (0.0002666, 0.0047995) | 165.4 (24.6, 482.7)        | 0.000786 (0.0001168, 0.0022933) |
| Kalimantan Barat | Tuberculosis                                  | 20  | 3,361.1 (2,226.4, 5,003.2) | 0.015839 (0.0104916, 0.0235772) | 1,257.1 (792.7, 1,793.9)   | 0.005972 (0.0037656, 0.0085220) |
| Kalimantan Barat | Maternal disorders                            | 20  |                            |                                 | 2,089.9 (1,437.0, 2,869.4) | 0.009928 (0.0068263, 0.0136312) |
| Kalimantan Barat | Other communicable diseases                   | 20  | 2,595.1 (1,595.4, 3,780.1) | 0.012229 (0.0075183, 0.0178136) | 1,132.0 (695.5, 1,658.1)   | 0.005377 (0.0033039, 0.0078767) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 20  | 138.0 (37.3, 355.8)        | 0.000650 (0.0001758, 0.0016767) | 100.8 (27.7, 264.0)        | 0.000479 (0.0001315, 0.0012539) |
| Kalimantan Barat | Breast cancer                                 | 20  | 5.2 (0.8, 17.3)            | 0.000024 (0.0000037, 0.0000813) | 271.0 (96.2, 554.5)        | 0.001288 (0.0004568, 0.0026342) |
| Kalimantan Barat | Cervical cancer                               | 20  |                            |                                 | 197.8 (50.0, 497.2)        | 0.000940 (0.0002374, 0.0023622) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
|                  |                                               |     |               |                    |                          |                        |               |                    |                          |                        |
| Kalimantan Barat | Other malignant neoplasms                     | 20  | 870.1         | (471.7, 1,487.8)   | 0.004100                 | (0.0022230, 0.0070112) | 1,164.7       | (660.9, 1,759.0)   | 0.005533                 | (0.0031398, 0.0083561) |
| Kalimantan Barat | Cerebrovascular disease                       | 20  | 469.9         | (274.7, 754.0)     | 0.002214                 | (0.0012943, 0.0035530) | 450.9         | (258.5, 693.5)     | 0.002142                 | (0.0012280, 0.0032946) |
| Kalimantan Barat | Ischemic heart disease                        | 20  | 697.4         | (418.7, 1,100.4)   | 0.003287                 | (0.0019733, 0.0051857) | 461.9         | (276.3, 723.8)     | 0.002194                 | (0.0013127, 0.0034385) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 20  | 392.6         | (198.5, 711.3)     | 0.001850                 | (0.0009356, 0.0033520) | 448.8         | (234.3, 774.4)     | 0.002132                 | (0.0011130, 0.0036788) |
| Kalimantan Barat | Diabetes mellitus                             | 20  | 96.2          | (47.8, 167.8)      | 0.000453                 | (0.0002253, 0.0007909) | 136.5         | (69.5, 225.2)      | 0.000649                 | (0.0003302, 0.0010696) |
| Kalimantan Barat | Chronic kidney disease                        | 20  | 551.0         | (335.0, 859.7)     | 0.002597                 | (0.0015785, 0.0040513) | 535.3         | (332.3, 783.0)     | 0.002543                 | (0.0015787, 0.0037196) |
| Kalimantan Barat | Cirrhosis                                     | 20  | 798.9         | (449.5, 1,283.3)   | 0.003765                 | (0.0021181, 0.0060472) | 447.3         | (246.2, 693.8)     | 0.002125                 | (0.0011696, 0.0032960) |
| Kalimantan Barat | Chronic respiratory diseases                  | 20  | 688.3         | (379.3, 1,116.1)   | 0.003244                 | (0.0017875, 0.0052596) | 451.8         | (244.5, 729.1)     | 0.002146                 | (0.0011613, 0.0034635) |
| Kalimantan Barat | Other non-communicable diseases               | 20  | 1,835.0       | (1,220.7, 2,747.7) | 0.008647                 | (0.0057526, 0.0129483) | 1,735.1       | (1,223.7, 2,357.7) | 0.008243                 | (0.0058131, 0.0112003) |
| Kalimantan Barat | Drowning                                      | 20  | 947.2         | (433.5, 1,854.3)   | 0.004464                 | (0.0020429, 0.0087383) | 285.2         | (117.1, 591.4)     | 0.001355                 | (0.0005564, 0.0028094) |
| Kalimantan Barat | Falls                                         | 20  | 301.1         | (135.8, 560.4)     | 0.001419                 | (0.0006397, 0.0026408) | 121.9         | (52.1, 245.4)      | 0.000579                 | (0.0002477, 0.0011656) |
| Kalimantan Barat | Interpersonal violence                        | 20  | 297.2         | (162.4, 509.0)     | 0.001400                 | (0.0007651, 0.0023987) | 207.1         | (103.5, 361.0)     | 0.000984                 | (0.0004918, 0.0017150) |
| Kalimantan Barat | Self-harm                                     | 20  | 297.9         | (141.9, 569.4)     | 0.001404                 | (0.0006689, 0.0026834) | 178.1         | (76.5, 346.7)      | 0.000846                 | (0.0003634, 0.0016470) |
| Kalimantan Barat | Transport injuries                            | 20  | 5,618.9       | (3,882.8, 8,053.0) | 0.026478                 | (0.0182975, 0.0379491) | 2,064.5       | (1,327.9, 2,988.0) | 0.009808                 | (0.0063085, 0.0141949) |
| Kalimantan Barat | Other unintentional injuries                  | 20  | 1,029.1       | (615.0, 1,692.6)   | 0.004850                 | (0.0028982, 0.0079764) | 411.2         | (222.4, 680.6)     | 0.001954                 | (0.0010566, 0.0032332) |
| Kalimantan Barat | Diarrheal diseases                            | 25  | 460.0         | (206.7, 868.5)     | 0.002089                 | (0.0009385, 0.0039433) | 306.4         | (134.5, 561.7)     | 0.001420                 | (0.0006231, 0.0026029) |
| Kalimantan Barat | HIV/AIDS                                      | 25  | 571.1         | (140.1, 1,539.6)   | 0.002593                 | (0.0006362, 0.0069905) | 262.0         | (62.2, 715.6)      | 0.001214                 | (0.0002883, 0.0033165) |
| Kalimantan Barat | Lower respiratory infections                  | 25  | 578.8         | (269.9, 1,072.7)   | 0.002628                 | (0.0012257, 0.0048706) | 226.3         | (103.2, 428.5)     | 0.001049                 | (0.0004785, 0.0019858) |
| Kalimantan Barat | Malaria                                       | 25  | 400.2         | (62.8, 1,138.4)    | 0.001817                 | (0.0002851, 0.0051692) | 178.7         | (25.5, 551.2)      | 0.000828                 | (0.0001182, 0.0025544) |
| Kalimantan Barat | Tuberculosis                                  | 25  | 4,645.5       | (3,231.6, 6,543.3) | 0.021094                 | (0.0146735, 0.0297105) | 1,696.2       | (1,070.4, 2,485.9) | 0.007861                 | (0.0049604, 0.0115202) |
| Kalimantan Barat | Maternal disorders                            | 25  |               |                    |                          |                        | 2,589.6       | (1,776.4, 3,612.4) | 0.012001                 | (0.0082321, 0.0167407) |
| Kalimantan Barat | Other communicable diseases                   | 25  | 2,778.1       | (1,737.1, 4,003.6) | 0.012614                 | (0.0078874, 0.0181786) | 1,299.5       | (795.6, 1,947.6)   | 0.006022                 | (0.0036869, 0.0090258) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 25  | 163.4         | (43.1, 436.5)      | 0.000742                 | (0.0001957, 0.0019821) | 141.8         | (43.6, 362.8)      | 0.000657                 | (0.0002020, 0.0016813) |
| Kalimantan Barat | Breast cancer                                 | 25  | 5.5           | (1.1, 16.5)        | 0.000025                 | (0.0000051, 0.0000751) | 579.3         | (245.8, 1,111.2)   | 0.002685                 | (0.0011392, 0.0051497) |
| Kalimantan Barat | Cervical cancer                               | 25  |               |                    |                          |                        | 367.0         | (99.9, 846.2)      | 0.001701                 | (0.0004631, 0.0039216) |
| Kalimantan Barat | Other malignant neoplasms                     | 25  | 1,167.2       | (676.1, 1,855.5)   | 0.005300                 | (0.0030697, 0.0084249) | 1,366.2       | (731.8, 2,115.9)   | 0.006332                 | (0.0033914, 0.0098057) |
| Kalimantan Barat | Cerebrovascular disease                       | 25  | 881.1         | (554.6, 1,321.9)   | 0.004001                 | (0.0025181, 0.0060023) | 812.5         | (484.8, 1,194.3)   | 0.003765                 | (0.0022469, 0.0055345) |
| Kalimantan Barat | Ischemic heart disease                        | 25  | 1,416.5       | (953.0, 2,061.4)   | 0.006432                 | (0.0043274, 0.0093599) | 826.5         | (506.7, 1,241.8)   | 0.003830                 | (0.0023481, 0.0057550) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 25  | 542.5         | (291.7, 908.3)     | 0.002463                 | (0.0013243, 0.0041244) | 608.0         | (318.7, 1,035.8)   | 0.002818                 | (0.0014770, 0.0048004) |
| Kalimantan Barat | Diabetes mellitus                             | 25  | 168.5         | (94.7, 270.9)      | 0.000765                 | (0.0004301, 0.0012300) | 226.8         | (128.4, 356.2)     | 0.001051                 | (0.0005950, 0.0016506) |
| Kalimantan Barat | Chronic kidney disease                        | 25  | 651.1         | (425.9, 975.5)     | 0.002956                 | (0.0019339, 0.0044294) | 591.6         | (363.6, 854.7)     | 0.002742                 | (0.0016852, 0.0039609) |
| Kalimantan Barat | Cirrhosis                                     | 25  | 1,138.4       | (672.3, 1,742.8)   | 0.005169                 | (0.0030527, 0.0079134) | 629.5         | (359.1, 976.1)     | 0.002917                 | (0.0016644, 0.0045233) |
| Kalimantan Barat | Chronic respiratory diseases                  | 25  | 858.3         | (488.7, 1,373.7)   | 0.003897                 | (0.0022191, 0.0062372) | 575.5         | (317.1, 925.4)     | 0.002667                 | (0.0014696, 0.0042888) |
| Kalimantan Barat | Other non-communicable diseases               | 25  | 2,235.0       | (1,560.1, 3,220.2) | 0.010148                 | (0.0070836, 0.0146218) | 2,055.1       | (1,367.5, 2,823.0) | 0.009524                 | (0.0063373, 0.0130826) |
| Kalimantan Barat | Drowning                                      | 25  | 620.2         | (238.8, 1,213.1)   | 0.002816                 | (0.0010843, 0.0055081) | 194.1         | (70.9, 417.0)      | 0.000899                 | (0.0003286, 0.0019324) |
| Kalimantan Barat | Falls                                         | 25  | 423.1         | (181.8, 803.7)     | 0.001921                 | (0.0008254, 0.0036491) | 173.5         | (70.2, 343.6)      | 0.000804                 | (0.0003253, 0.0015925) |
| Kalimantan Barat | Interpersonal violence                        | 25  | 303.1         | (159.7, 507.8)     | 0.001376                 | (0.0007252, 0.0023059) | 191.0         | (87.9, 338.5)      | 0.000885                 | (0.0004072, 0.0015686) |
| Kalimantan Barat | Self-harm                                     | 25  | 283.1         | (132.4, 544.4)     | 0.001286                 | (0.0006013, 0.0024721) | 149.3         | (64.5, 295.3)      | 0.000692                 | (0.0002989, 0.0013686) |
| Kalimantan Barat | Transport injuries                            | 25  | 3,936.7       | (2,570.5, 5,772.8) | 0.017875                 | (0.0116717, 0.0262121) | 1,291.3       | (732.3, 2,074.1)   | 0.005984                 | (0.0033939, 0.0096118) |
| Kalimantan Barat | Other unintentional injuries                  | 25  | 1,226.2       | (702.4, 1,976.6)   | 0.005568                 | (0.0031894, 0.0089749) | 465.1         | (252.7, 757.7)     | 0.002155                 | (0.0011709, 0.0035114) |
| Kalimantan Barat | Diarrheal diseases                            | 30  | 462.0         | (201.9, 845.1)     | 0.002251                 | (0.0009838, 0.0041178) | 332.5         | (141.8, 585.5)     | 0.001746                 | (0.0007448, 0.0030746) |
| Kalimantan Barat | HIV/AIDS                                      | 30  | 516.8         | (123.3, 1,462.9)   | 0.002518                 | (0.0006006, 0.0071280) | 261.7         | (58.5, 705.5)      | 0.001374                 | (0.0003071, 0.0037049) |
| Kalimantan Barat | Lower respiratory infections                  | 30  | 476.5         | (226.3, 897.8)     | 0.002322                 | (0.0011025, 0.0043745) | 209.0         | (96.5, 407.6)      | 0.001098                 | (0.0005068, 0.0021405) |
| Kalimantan Barat | Malaria                                       | 30  | 305.9         | (52.0, 856.6)      | 0.001491                 | (0.0002533, 0.0041738) | 139.8         | (21.5, 435.1)      | 0.000734                 | (0.0001127, 0.0022850) |
| Kalimantan Barat | Tuberculosis                                  | 30  | 4,134.4       | (2,818.4, 5,711.1) | 0.020145                 | (0.0137331, 0.0278286) | 1,573.1       | (965.4, 2,295.2)   | 0.008261                 | (0.0050696, 0.0120533) |
| Kalimantan Barat | Maternal disorders                            | 30  |               |                    |                          |                        | 2,312.1       | (1,526.3, 3,254.8) | 0.012142                 | (0.0080152, 0.0170929) |
| Kalimantan Barat | Other communicable diseases                   | 30  | 1,772.2       | (1,027.2, 2,645.6) | 0.008636                 | (0.0050050, 0.0128912) | 911.0         | (507.2, 1,461.1)   | 0.004784                 | (0.0026635, 0.0076732) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 30  | 293.2         | (98.6, 732.9)      | 0.001429                 | (0.0004806, 0.0035712) | 154.4         | (52.8, 382.7)      | 0.000811                 | (0.0002774, 0.0020095) |
| Kalimantan Barat | Breast cancer                                 | 30  | 6.4           | (1.2, 19.8)        | 0.000031                 | (0.0000058, 0.0000967) | 903.4         | (417.8, 1,607.4)   | 0.004744                 | (0.0021940, 0.0084412) |
| Kalimantan Barat | Cervical cancer                               | 30  |               |                    |                          |                        | 567.9         | (166.9, 1,207.6)   | 0.002982                 | (0.0008766, 0.0063419) |
| Kalimantan Barat | Other malignant neoplasms                     | 30  | 1,339.5       | (795.4, 2,115.3)   | 0.006527                 | (0.0038756, 0.0103073) | 1,396.9       | (738.0, 2,274.4)   | 0.007336                 | (0.0038757, 0.0119441) |
| Kalimantan Barat | Cerebrovascular disease                       | 30  | 1,316.1       | (876.6, 1,924.5)   | 0.006413                 | (0.0042713, 0.0093775) | 1,272.0       | (794.0, 1,841.9)   | 0.006680                 | (0.0041699, 0.0096728) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Barat | Ischemic heart disease                        | 30  | 1,991.5 (1,414.9, 2,806.6) | 0.009704 (0.0068942, 0.0136759) | 1,154.7 (724.4, 1,674.2)   | 0.006064 (0.0038041, 0.0087922) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 30  | 617.4 (341.1, 1,030.7)     | 0.003008 (0.0016619, 0.0050221) | 729.4 (393.4, 1,238.6)     | 0.003831 (0.0020661, 0.0065047) |
| Kalimantan Barat | Diabetes mellitus                             | 30  | 258.3 (152.0, 395.5)       | 0.001259 (0.0007406, 0.0019270) | 355.1 (199.4, 536.5)       | 0.001865 (0.0010473, 0.0028175) |
| Kalimantan Barat | Chronic kidney disease                        | 30  | 659.1 (432.0, 961.0)       | 0.003212 (0.0021048, 0.0046828) | 605.5 (365.9, 894.9)       | 0.003180 (0.0019217, 0.0046998) |
| Kalimantan Barat | Cirrhosis                                     | 30  | 1,367.7 (831.6, 2,042.2)   | 0.006665 (0.0040521, 0.0099508) | 803.4 (453.1, 1,230.0)     | 0.004219 (0.0023796, 0.0064593) |
| Kalimantan Barat | Chronic respiratory diseases                  | 30  | 794.3 (455.2, 1,288.5)     | 0.003870 (0.0022181, 0.0062784) | 580.7 (312.7, 934.1)       | 0.003049 (0.0016420, 0.0049057) |
| Kalimantan Barat | Other non-communicable diseases               | 30  | 2,178.3 (1,553.7, 3,034.7) | 0.010614 (0.0075706, 0.0147873) | 2,112.8 (1,427.5, 2,933.1) | 0.011096 (0.0074966, 0.0154035) |
| Kalimantan Barat | Drowning                                      | 30  | 607.4 (250.3, 1,216.4)     | 0.002960 (0.0012198, 0.0059269) | 226.4 (80.9, 487.2)        | 0.001189 (0.0004251, 0.0025585) |
| Kalimantan Barat | Falls                                         | 30  | 446.4 (189.0, 824.6)       | 0.002175 (0.0009207, 0.0040180) | 209.5 (84.2, 382.1)        | 0.001100 (0.0004420, 0.0020067) |
| Kalimantan Barat | Interpersonal violence                        | 30  | 213.4 (113.6, 382.2)       | 0.001040 (0.0005534, 0.0018624) | 138.4 (63.3, 257.0)        | 0.000727 (0.0003322, 0.0013498) |
| Kalimantan Barat | Self-harm                                     | 30  | 196.2 (88.1, 380.4)        | 0.000956 (0.0004292, 0.0018537) | 104.4 (42.5, 204.8)        | 0.000548 (0.0002230, 0.0010754) |
| Kalimantan Barat | Transport injuries                            | 30  | 3,041.5 (1,960.0, 4,482.2) | 0.014820 (0.0095504, 0.0218402) | 1,081.4 (591.0, 1,724.8)   | 0.005679 (0.0031035, 0.0090581) |
| Kalimantan Barat | Other unintentional injuries                  | 30  | 1,007.6 (571.5, 1,612.7)   | 0.004910 (0.0027847, 0.0078581) | 410.4 (209.3, 673.7)       | 0.002155 (0.0010992, 0.0035381) |
| Kalimantan Barat | Diarrheal diseases                            | 35  | 371.9 (164.5, 676.5)       | 0.002037 (0.0009008, 0.0037048) | 404.3 (181.1, 728.7)       | 0.002416 (0.0010827, 0.0043556) |
| Kalimantan Barat | HIV/AIDS                                      | 35  | 412.8 (91.1, 1,210.9)      | 0.002261 (0.0004992, 0.0066317) | 300.3 (66.3, 825.6)        | 0.001795 (0.0003961, 0.0049346) |
| Kalimantan Barat | Lower respiratory infections                  | 35  | 454.4 (222.5, 825.8)       | 0.002489 (0.0012188, 0.0045228) | 308.8 (140.4, 583.9)       | 0.001846 (0.0008395, 0.0034902) |
| Kalimantan Barat | Malaria                                       | 35  | 249.9 (37.9, 696.7)        | 0.001369 (0.0002076, 0.0038157) | 156.4 (22.1, 485.2)        | 0.000935 (0.0001321, 0.0029001) |
| Kalimantan Barat | Tuberculosis                                  | 35  | 3,978.6 (2,770.1, 5,448.6) | 0.021790 (0.0151713, 0.0298410) | 2,117.6 (1,293.3, 3,141.8) | 0.012658 (0.0077303, 0.0187799) |
| Kalimantan Barat | Maternal disorders                            | 35  |                            |                                 | 1,422.8 (848.3, 2,116.6)   | 0.008505 (0.0050707, 0.0126519) |
| Kalimantan Barat | Other communicable diseases                   | 35  | 1,450.6 (836.2, 2,171.2)   | 0.007945 (0.0045796, 0.0118912) | 1,159.0 (680.1, 1,851.0)   | 0.006928 (0.0040650, 0.0110641) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 35  | 268.7 (87.6, 604.0)        | 0.001472 (0.0004796, 0.0033080) | 203.9 (75.2, 493.8)        | 0.001219 (0.0004495, 0.0029516) |
| Kalimantan Barat | Breast cancer                                 | 35  | 11.5 (2.3, 35.1)           | 0.000063 (0.0000128, 0.0001920) | 1,271.2 (584.0, 2,203.1)   | 0.007598 (0.0034908, 0.0131688) |
| Kalimantan Barat | Cervical cancer                               | 35  |                            |                                 | 885.6 (306.6, 1,774.5)     | 0.005294 (0.0018329, 0.0106069) |
| Kalimantan Barat | Other malignant neoplasms                     | 35  | 1,854.2 (1,138.4, 2,878.0) | 0.010155 (0.0062347, 0.0157621) | 1,486.7 (764.1, 2,498.7)   | 0.008886 (0.0045671, 0.0149359) |
| Kalimantan Barat | Cerebrovascular disease                       | 35  | 2,043.7 (1,410.4, 2,887.0) | 0.011193 (0.0077245, 0.0158117) | 2,172.8 (1,397.7, 3,055.2) | 0.012987 (0.0083543, 0.0182622) |
| Kalimantan Barat | Ischemic heart disease                        | 35  | 2,707.0 (1,965.5, 3,719.4) | 0.014826 (0.0107645, 0.0203707) | 1,773.5 (1,136.1, 2,580.0) | 0.010601 (0.0067909, 0.0154217) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 35  | 790.6 (446.0, 1,312.6)     | 0.004330 (0.0024425, 0.0071886) | 965.3 (531.3, 1,635.3)     | 0.005770 (0.0031758, 0.0097746) |
| Kalimantan Barat | Diabetes mellitus                             | 35  | 469.5 (283.5, 705.5)       | 0.002571 (0.0015526, 0.0038641) | 662.2 (373.5, 984.1)       | 0.003958 (0.0022323, 0.0058821) |
| Kalimantan Barat | Chronic kidney disease                        | 35  | 756.6 (502.6, 1,100.3)     | 0.004144 (0.0027524, 0.0060261) | 700.4 (432.5, 1,036.0)     | 0.004187 (0.0025851, 0.0061923) |
| Kalimantan Barat | Cirrhosis                                     | 35  | 1,646.9 (1,022.0, 2,474.9) | 0.009020 (0.0055974, 0.0135543) | 1,051.3 (613.8, 1,639.9)   | 0.006284 (0.0036689, 0.0098020) |
| Kalimantan Barat | Chronic respiratory diseases                  | 35  | 957.4 (570.0, 1,517.6)     | 0.005243 (0.0031218, 0.0083118) | 668.0 (377.7, 1,057.9)     | 0.003993 (0.0022576, 0.0063232) |
| Kalimantan Barat | Other non-communicable diseases               | 35  | 2,233.8 (1,599.8, 3,085.6) | 0.012234 (0.0087619, 0.0168995) | 2,322.9 (1,568.4, 3,244.7) | 0.013885 (0.0093752, 0.0193945) |
| Kalimantan Barat | Drowning                                      | 35  | 687.4 (288.4, 1,313.3)     | 0.003765 (0.0015793, 0.0071927) | 334.4 (130.6, 673.6)       | 0.001999 (0.0007805, 0.0040265) |
| Kalimantan Barat | Falls                                         | 35  | 411.7 (182.6, 749.3)       | 0.002255 (0.0010003, 0.0041035) | 238.9 (97.9, 457.7)        | 0.001428 (0.0005851, 0.0027356) |
| Kalimantan Barat | Interpersonal violence                        | 35  | 170.8 (91.6, 302.7)        | 0.000935 (0.0005018, 0.0016576) | 115.6 (51.4, 223.9)        | 0.000691 (0.0003073, 0.0013383) |
| Kalimantan Barat | Self-harm                                     | 35  | 169.3 (73.2, 335.7)        | 0.000927 (0.0004007, 0.0018388) | 90.9 (36.4, 182.5)         | 0.000543 (0.0002174, 0.0010907) |
| Kalimantan Barat | Transport injuries                            | 35  | 2,282.4 (1,376.8, 3,384.1) | 0.012500 (0.0075405, 0.0185341) | 930.2 (494.3, 1,541.9)     | 0.005560 (0.0029547, 0.0092162) |
| Kalimantan Barat | Other unintentional injuries                  | 35  | 877.0 (491.9, 1,397.3)     | 0.004803 (0.0026939, 0.0076528) | 399.4 (204.4, 673.4)       | 0.002388 (0.0012220, 0.0040255) |
| Kalimantan Barat | Diarrheal diseases                            | 40  | 380.4 (170.1, 683.4)       | 0.002444 (0.0010928, 0.0043902) | 490.9 (226.3, 877.8)       | 0.003407 (0.0015709, 0.0060927) |
| Kalimantan Barat | HIV/AIDS                                      | 40  | 203.2 (43.3, 614.5)        | 0.001306 (0.0002783, 0.0039480) | 173.0 (35.6, 505.7)        | 0.001201 (0.0002469, 0.0035098) |
| Kalimantan Barat | Lower respiratory infections                  | 40  | 421.6 (195.3, 778.8)       | 0.002709 (0.0012550, 0.0050036) | 359.2 (165.7, 662.8)       | 0.002493 (0.0011498, 0.0046002) |
| Kalimantan Barat | Malaria                                       | 40  | 239.7 (38.4, 641.2)        | 0.001540 (0.0002468, 0.0041191) | 159.2 (22.7, 492.2)        | 0.001105 (0.0001572, 0.0034161) |
| Kalimantan Barat | Tuberculosis                                  | 40  | 3,552.6 (2,507.0, 4,838.0) | 0.022824 (0.0161063, 0.0310816) | 2,079.6 (1,358.9, 3,003.4) | 0.014435 (0.0094318, 0.0208465) |
| Kalimantan Barat | Maternal disorders                            | 40  |                            |                                 | 518.5 (268.5, 892.6)       | 0.003599 (0.0018633, 0.0061954) |
| Kalimantan Barat | Other communicable diseases                   | 40  | 1,329.6 (754.3, 1,987.1)   | 0.008542 (0.0048462, 0.0127660) | 1,304.6 (755.5, 1,988.7)   | 0.009055 (0.0052441, 0.0138037) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 40  | 457.8 (182.3, 954.1)       | 0.002941 (0.0011711, 0.0061297) | 240.6 (90.7, 548.1)        | 0.001670 (0.0006296, 0.0038043) |
| Kalimantan Barat | Breast cancer                                 | 40  | 21.2 (5.3, 54.4)           | 0.000136 (0.0000337, 0.0003495) | 1,479.7 (727.3, 2,549.0)   | 0.010271 (0.0050479, 0.0176929) |
| Kalimantan Barat | Cervical cancer                               | 40  |                            |                                 | 1,100.5 (396.8, 2,175.3)   | 0.007639 (0.0027542, 0.0150986) |
| Kalimantan Barat | Other malignant neoplasms                     | 40  | 2,296.7 (1,425.6, 3,489.8) | 0.014755 (0.0091585, 0.0224197) | 1,455.8 (726.4, 2,457.6)   | 0.010105 (0.0050420, 0.0170581) |
| Kalimantan Barat | Cerebrovascular disease                       | 40  | 3,285.2 (2,276.8, 4,494.9) | 0.021106 (0.0146271, 0.0288771) | 3,368.0 (2,232.1, 4,593.4) | 0.023377 (0.0154933, 0.0318828) |
| Kalimantan Barat | Ischemic heart disease                        | 40  | 4,232.6 (3,165.4, 5,650.6) | 0.027192 (0.0203362, 0.0363019) | 2,621.3 (1,757.3, 3,727.4) | 0.018194 (0.0121972, 0.0258718) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 40  | 1,114.4 (648.6, 1,845.8)   | 0.007159 (0.0041671, 0.0118580) | 1,258.9 (709.4, 2,105.8)   | 0.008738 (0.0049236, 0.0146162) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Kalimantan Barat | Diabetes mellitus                             | 40  | 984.6         | (616.6, 1,426.5)   | 0.006325                 | (0.0039614, 0.0091646) | 1,258.1       | (743.2, 1,817.0)   | 0.008732                 | (0.0051588, 0.0126121) |
| Kalimantan Barat | Chronic kidney disease                        | 40  | 966.1         | (662.8, 1,385.1)   | 0.006207                 | (0.0042578, 0.0088983) | 794.0         | (502.0, 1,178.7)   | 0.005511                 | (0.0034842, 0.0081814) |
| Kalimantan Barat | Cirrhosis                                     | 40  | 2,008.0       | (1,260.6, 3,000.5) | 0.012900                 | (0.0080983, 0.0192762) | 1,244.0       | (748.8, 1,893.3)   | 0.008635                 | (0.0051975, 0.0131417) |
| Kalimantan Barat | Chronic respiratory diseases                  | 40  | 1,118.9       | (675.8, 1,729.5)   | 0.007188                 | (0.0043416, 0.0111109) | 720.5         | (412.1, 1,149.9)   | 0.005001                 | (0.0028605, 0.0079812) |
| Kalimantan Barat | Other non-communicable diseases               | 40  | 2,446.9       | (1,730.8, 3,433.1) | 0.015720                 | (0.0111196, 0.0220558) | 2,418.6       | (1,662.6, 3,381.5) | 0.016788                 | (0.0115398, 0.0234712) |
| Kalimantan Barat | Drowning                                      | 40  | 349.7         | (143.0, 720.7)     | 0.002247                 | (0.0009184, 0.0046303) | 197.7         | (75.0, 404.9)      | 0.001372                 | (0.0005205, 0.0028105) |
| Kalimantan Barat | Falls                                         | 40  | 346.1         | (145.7, 641.2)     | 0.002223                 | (0.0009359, 0.0041194) | 218.6         | (85.7, 422.6)      | 0.001517                 | (0.0005950, 0.0029335) |
| Kalimantan Barat | Interpersonal violence                        | 40  | 131.2         | (68.2, 232.2)      | 0.000843                 | (0.0004380, 0.0014915) | 78.7          | (35.1, 151.2)      | 0.000546                 | (0.0002438, 0.0010497) |
| Kalimantan Barat | Self-harm                                     | 40  | 148.9         | (62.2, 287.8)      | 0.000957                 | (0.0003997, 0.0018487) | 68.3          | (27.1, 136.6)      | 0.000474                 | (0.0001878, 0.0009479) |
| Kalimantan Barat | Transport injuries                            | 40  | 1,787.9       | (1,078.9, 2,726.8) | 0.011486                 | (0.0069314, 0.0175180) | 736.6         | (394.1, 1,206.0)   | 0.005113                 | (0.0027354, 0.0083707) |
| Kalimantan Barat | Other unintentional injuries                  | 40  | 688.0         | (370.5, 1,137.7)   | 0.004420                 | (0.0023805, 0.0073092) | 302.8         | (154.3, 523.0)     | 0.002102                 | (0.0010708, 0.0036298) |
| Kalimantan Barat | Diarrheal diseases                            | 45  | 350.0         | (157.9, 633.0)     | 0.002719                 | (0.0012268, 0.0049181) | 570.2         | (262.4, 986.9)     | 0.004735                 | (0.0021790, 0.0081968) |
| Kalimantan Barat | HIV/AIDS                                      | 45  | 95.5          | (20.4, 291.0)      | 0.000742                 | (0.0001582, 0.0022609) | 102.7         | (22.0, 315.4)      | 0.000853                 | (0.0001827, 0.0026192) |
| Kalimantan Barat | Lower respiratory infections                  | 45  | 458.4         | (216.8, 824.0)     | 0.003562                 | (0.0016842, 0.0064024) | 511.1         | (245.9, 940.2)     | 0.004245                 | (0.0020419, 0.0078085) |
| Kalimantan Barat | Malaria                                       | 45  | 185.8         | (27.5, 518.3)      | 0.001444                 | (0.0002140, 0.0040267) | 145.6         | (20.0, 441.6)      | 0.001209                 | (0.0001659, 0.0036674) |
| Kalimantan Barat | Tuberculosis                                  | 45  | 3,300.7       | (2,287.2, 4,620.5) | 0.025645                 | (0.0177709, 0.0359002) | 2,330.0       | (1,505.5, 3,338.3) | 0.019352                 | (0.0125037, 0.0277257) |
| Kalimantan Barat | Maternal disorders                            | 45  |               |                    |                          |                        | 114.0         | (48.7, 222.3)      | 0.000947                 | (0.0004046, 0.0018466) |
| Kalimantan Barat | Other communicable diseases                   | 45  | 1,064.3       | (593.5, 1,654.2)   | 0.008269                 | (0.0046110, 0.0128530) | 1,347.5       | (783.2, 2,045.4)   | 0.011191                 | (0.0065046, 0.0169878) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 45  | 528.3         | (213.3, 1,109.9)   | 0.004105                 | (0.0016571, 0.0086235) | 286.0         | (111.0, 622.8)     | 0.002375                 | (0.0009216, 0.0051726) |
| Kalimantan Barat | Breast cancer                                 | 45  | 24.9          | (6.9, 57.0)        | 0.000194                 | (0.0000537, 0.0004432) | 1,551.9       | (766.3, 2,676.1)   | 0.012889                 | (0.0063646, 0.0222257) |
| Kalimantan Barat | Cervical cancer                               | 45  |               |                    |                          |                        | 1,100.4       | (417.4, 2,187.6)   | 0.009139                 | (0.0034668, 0.0181689) |
| Kalimantan Barat | Other malignant neoplasms                     | 45  | 2,131.4       | (1,282.9, 3,251.7) | 0.016560                 | (0.0099676, 0.0252649) | 1,465.0       | (747.7, 2,500.5)   | 0.012167                 | (0.0062098, 0.0207673) |
| Kalimantan Barat | Cerebrovascular disease                       | 45  | 4,216.4       | (3,015.4, 5,681.6) | 0.032760                 | (0.0234286, 0.0441444) | 4,821.5       | (3,362.8, 6,335.0) | 0.040045                 | (0.0279297, 0.0526146) |
| Kalimantan Barat | Ischemic heart disease                        | 45  | 4,638.2       | (3,465.1, 6,184.9) | 0.036037                 | (0.0269227, 0.0480551) | 3,158.2       | (2,181.2, 4,357.6) | 0.026230                 | (0.0181154, 0.0361912) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 45  | 1,315.4       | (766.1, 2,152.5)   | 0.010221                 | (0.0059526, 0.0167241) | 1,623.0       | (928.9, 2,659.4)   | 0.013480                 | (0.0077148, 0.0220878) |
| Kalimantan Barat | Diabetes mellitus                             | 45  | 1,441.3       | (927.9, 2,078.3)   | 0.011199                 | (0.0072092, 0.0161478) | 2,007.3       | (1,268.6, 2,869.4) | 0.016671                 | (0.0105358, 0.0238315) |
| Kalimantan Barat | Chronic kidney disease                        | 45  | 934.2         | (642.1, 1,337.2)   | 0.007259                 | (0.0049891, 0.0103894) | 829.2         | (550.9, 1,202.3)   | 0.006887                 | (0.0045751, 0.0099853) |
| Kalimantan Barat | Cirrhosis                                     | 45  | 1,914.1       | (1,187.6, 2,833.4) | 0.014872                 | (0.0092269, 0.0220144) | 1,348.5       | (826.2, 2,051.6)   | 0.011200                 | (0.0068623, 0.0170390) |
| Kalimantan Barat | Chronic respiratory diseases                  | 45  | 1,369.8       | (832.1, 2,078.3)   | 0.010643                 | (0.0064653, 0.0161477) | 976.8         | (572.3, 1,473.6)   | 0.008113                 | (0.0047535, 0.0122389) |
| Kalimantan Barat | Other non-communicable diseases               | 45  | 2,250.1       | (1,567.8, 3,160.3) | 0.017483                 | (0.0121812, 0.0245545) | 2,469.3       | (1,736.6, 3,387.7) | 0.020509                 | (0.0144230, 0.0281358) |
| Kalimantan Barat | Drowning                                      | 45  | 229.7         | (81.6, 497.1)      | 0.001785                 | (0.0006340, 0.0038627) | 165.8         | (53.4, 364.7)      | 0.001377                 | (0.0004439, 0.0030291) |
| Kalimantan Barat | Falls                                         | 45  | 362.6         | (143.0, 688.0)     | 0.002817                 | (0.0011108, 0.0053455) | 280.0         | (111.6, 539.2)     | 0.002325                 | (0.0009269, 0.0044783) |
| Kalimantan Barat | Interpersonal violence                        | 45  | 99.2          | (51.1, 172.1)      | 0.000771                 | (0.0003972, 0.0013372) | 64.6          | (27.6, 129.5)      | 0.000537                 | (0.0002296, 0.0010752) |
| Kalimantan Barat | Self-harm                                     | 45  | 126.8         | (52.5, 253.1)      | 0.000986                 | (0.0004082, 0.0019668) | 61.5          | (23.7, 127.1)      | 0.000511                 | (0.0001972, 0.0010555) |
| Kalimantan Barat | Transport injuries                            | 45  | 1,664.1       | (978.1, 2,603.1)   | 0.012930                 | (0.0075992, 0.0202257) | 803.4         | (422.3, 1,323.2)   | 0.006673                 | (0.0035072, 0.0109897) |
| Kalimantan Barat | Other unintentional injuries                  | 45  | 586.7         | (308.5, 998.2)     | 0.004558                 | (0.0023968, 0.0077558) | 293.8         | (145.7, 511.0)     | 0.002440                 | (0.0012098, 0.0042445) |
| Kalimantan Barat | Diarrheal diseases                            | 50  | 462.2         | (203.0, 855.6)     | 0.004373                 | (0.0019207, 0.0080949) | 727.3         | (345.4, 1,218.5)   | 0.007385                 | (0.0035069, 0.0123725) |
| Kalimantan Barat | HIV/AIDS                                      | 50  | 39.0          | (7.9, 124.4)       | 0.000369                 | (0.0000743, 0.0011767) | 41.6          | (8.2, 135.2)       | 0.000423                 | (0.0000828, 0.0013725) |
| Kalimantan Barat | Lower respiratory infections                  | 50  | 588.5         | (274.4, 1,070.7)   | 0.005568                 | (0.0025964, 0.0101301) | 658.9         | (319.6, 1,150.8)   | 0.006690                 | (0.0032453, 0.0116856) |
| Kalimantan Barat | Malaria                                       | 50  | 181.9         | (29.0, 523.7)      | 0.001721                 | (0.0002744, 0.0049552) | 129.9         | (17.9, 441.4)      | 0.001319                 | (0.0001816, 0.0044824) |
| Kalimantan Barat | Tuberculosis                                  | 50  | 3,503.9       | (2,369.9, 4,891.8) | 0.033152                 | (0.0224229, 0.0462848) | 2,294.5       | (1,504.5, 3,312.0) | 0.023298                 | (0.0152770, 0.0336300) |
| Kalimantan Barat | Maternal disorders                            | 50  |               |                    |                          |                        | 51.7          | (15.7, 128.5)      | 0.000525                 | (0.0001598, 0.0013053) |
| Kalimantan Barat | Other communicable diseases                   | 50  | 1,084.3       | (586.6, 1,746.3)   | 0.010259                 | (0.0055506, 0.0165225) | 1,356.6       | (786.6, 2,117.8)   | 0.013775                 | (0.0079876, 0.0215044) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 50  | 739.3         | (304.0, 1,467.8)   | 0.006995                 | (0.0028759, 0.0138879) | 296.8         | (113.8, 648.6)     | 0.003014                 | (0.0011554, 0.0065861) |
| Kalimantan Barat | Breast cancer                                 | 50  | 20.1          | (6.0, 46.1)        | 0.000190                 | (0.0000569, 0.0004366) | 1,131.8       | (508.9, 2,027.7)   | 0.011492                 | (0.0051676, 0.0205895) |
| Kalimantan Barat | Cervical cancer                               | 50  |               |                    |                          |                        | 1,001.1       | (367.9, 2,023.0)   | 0.010165                 | (0.0037359, 0.0205419) |
| Kalimantan Barat | Other malignant neoplasms                     | 50  | 1,698.5       | (987.1, 2,672.2)   | 0.016070                 | (0.0093397, 0.0252834) | 1,281.1       | (629.4, 2,235.6)   | 0.013008                 | (0.0063905, 0.0227002) |
| Kalimantan Barat | Cerebrovascular disease                       | 50  | 5,674.8       | (4,035.2, 7,738.1) | 0.053692                 | (0.0381799, 0.0732149) | 6,257.1       | (4,521.1, 8,117.1) | 0.063534                 | (0.0459076, 0.0824213) |
| Kalimantan Barat | Ischemic heart disease                        | 50  | 5,729.9       | (4,202.4, 7,686.1) | 0.054214                 | (0.0397614, 0.0727229) | 3,585.0       | (2,469.9, 4,855.7) | 0.036402                 | (0.0250799, 0.0493045) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 50  | 1,670.2       | (965.8, 2,767.7)   | 0.015803                 | (0.0091377, 0.0261871) | 1,992.8       | (1,152.8, 3,274.6) | 0.020235                 | (0.0117057, 0.0332504) |
| Kalimantan Barat | Diabetes mellitus                             | 50  | 1,888.6       | (1,205.4, 2,704.0) | 0.017869                 | (0.0114048, 0.0255842) | 2,508.5       | (1,586.7, 3,534.3) | 0.025471                 | (0.0161112, 0.0358870) |
| Kalimantan Barat | Chronic kidney disease                        | 50  | 956.0         | (651.9, 1,381.4)   | 0.009045                 | (0.0061679, 0.0130707) | 799.8         | (531.1, 1,157.5)   | 0.008122                 | (0.0053929, 0.0117533) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Barat | Cirrhosis                                     | 50  | 2,000.5 (1,220.0, 3,009.2) | 0.018928 (0.0115429, 0.0284716) | 1,395.0 (847.1, 2,135.0)   | 0.014165 (0.0086017, 0.0216792) |
| Kalimantan Barat | Chronic respiratory diseases                  | 50  | 1,683.7 (990.0, 2,563.0)   | 0.015931 (0.0093671, 0.0242498) | 1,219.9 (728.8, 1,807.6)   | 0.012387 (0.0074007, 0.0183544) |
| Kalimantan Barat | Other non-communicable diseases               | 50  | 2,340.0 (1,595.8, 3,338.8) | 0.022140 (0.0150993, 0.0315907) | 2,491.0 (1,733.0, 3,441.6) | 0.025293 (0.0175966, 0.0349458) |
| Kalimantan Barat | Drowning                                      | 50  | 172.1 (64.5, 380.0)        | 0.001628 (0.0006098, 0.0035955) | 129.4 (42.0, 298.7)        | 0.001314 (0.0004264, 0.0030333) |
| Kalimantan Barat | Falls                                         | 50  | 414.1 (173.1, 758.2)       | 0.003918 (0.0016375, 0.0071734) | 318.0 (131.3, 583.6)       | 0.003229 (0.0013329, 0.0059260) |
| Kalimantan Barat | Interpersonal violence                        | 50  | 74.7 (37.6, 130.5)         | 0.000707 (0.0003556, 0.0012347) | 43.6 (17.3, 94.2)          | 0.000443 (0.0001758, 0.0009560) |
| Kalimantan Barat | Self-harm                                     | 50  | 105.2 (43.1, 218.4)        | 0.000996 (0.0004077, 0.0020667) | 44.5 (17.2, 98.4)          | 0.000452 (0.0001745, 0.0009987) |
| Kalimantan Barat | Transport injuries                            | 50  | 1,309.4 (745.6, 2,111.2)   | 0.012389 (0.0070547, 0.0199757) | 603.8 (300.8, 1,017.0)     | 0.006132 (0.0030545, 0.0103264) |
| Kalimantan Barat | Other unintentional injuries                  | 50  | 472.3 (241.6, 810.3)       | 0.004469 (0.0022861, 0.0076672) | 219.9 (108.7, 375.7)       | 0.002233 (0.0011033, 0.0038147) |
| Kalimantan Barat | Diarrheal diseases                            | 55  | 453.8 (201.5, 836.5)       | 0.005978 (0.0026537, 0.0110179) | 656.6 (319.9, 1,111.3)     | 0.010030 (0.0048863, 0.0169749) |
| Kalimantan Barat | HIV/AIDS                                      | 55  | 14.6 (2.5, 47.6)           | 0.000193 (0.0000330, 0.0006270) | 14.3 (2.5, 47.5)           | 0.000219 (0.0000387, 0.0007252) |
| Kalimantan Barat | Lower respiratory infections                  | 55  | 559.2 (263.7, 1,007.0)     | 0.007366 (0.0034739, 0.0132643) | 577.1 (280.9, 980.1)       | 0.008816 (0.0042913, 0.0149713) |
| Kalimantan Barat | Malaria                                       | 55  | 158.2 (24.1, 485.5)        | 0.002084 (0.0003178, 0.0063944) | 103.2 (14.1, 344.6)        | 0.001576 (0.0002155, 0.0052646) |
| Kalimantan Barat | Tuberculosis                                  | 55  | 2,749.7 (1,762.7, 3,818.6) | 0.036219 (0.0232183, 0.0502980) | 1,650.1 (1,055.9, 2,414.6) | 0.025207 (0.0161291, 0.0368841) |
| Kalimantan Barat | Other communicable diseases                   | 55  | 943.6 (516.5, 1,517.3)     | 0.012429 (0.0068028, 0.0199861) | 1,088.3 (625.0, 1,722.3)   | 0.016624 (0.0095475, 0.0263089) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 55  | 613.2 (254.1, 1,223.7)     | 0.008077 (0.0033475, 0.0161182) | 205.0 (77.5, 456.6)        | 0.003131 (0.0011832, 0.0069741) |
| Kalimantan Barat | Breast cancer                                 | 55  | 15.4 (4.7, 36.4)           | 0.000203 (0.0000624, 0.0004796) | 704.2 (301.9, 1,289.3)     | 0.010758 (0.0046116, 0.0196941) |
| Kalimantan Barat | Cervical cancer                               | 55  |                            |                                 | 628.6 (223.9, 1,279.3)     | 0.009603 (0.0034198, 0.0195419) |
| Kalimantan Barat | Other malignant neoplasms                     | 55  | 1,197.6 (680.1, 1,905.1)   | 0.015775 (0.0089586, 0.0250937) | 928.7 (463.4, 1,590.3)     | 0.014187 (0.0070789, 0.0242923) |
| Kalimantan Barat | Cerebrovascular disease                       | 55  | 6,019.2 (4,262.5, 8,057.2) | 0.079285 (0.0561461, 0.1061290) | 6,219.8 (4,572.5, 7,991.3) | 0.095010 (0.0698465, 0.1220694) |
| Kalimantan Barat | Ischemic heart disease                        | 55  | 5,720.9 (4,113.6, 7,604.9) | 0.075356 (0.0541850, 0.1001714) | 3,411.0 (2,380.0, 4,623.3) | 0.052104 (0.0363545, 0.0706221) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 55  | 1,704.7 (986.3, 2,832.9)   | 0.022454 (0.0129913, 0.0373154) | 1,898.9 (1,126.0, 3,085.9) | 0.029007 (0.0171995, 0.0471382) |
| Kalimantan Barat | Diabetes mellitus                             | 55  | 1,804.8 (1,152.3, 2,609.7) | 0.023774 (0.0151782, 0.0343746) | 2,251.7 (1,458.4, 3,157.5) | 0.034395 (0.0222776, 0.0482320) |
| Kalimantan Barat | Chronic kidney disease                        | 55  | 824.5 (551.0, 1,190.6)     | 0.010860 (0.0072572, 0.0156829) | 647.1 (426.6, 931.6)       | 0.009885 (0.0065160, 0.0142307) |
| Kalimantan Barat | Cirrhosis                                     | 55  | 1,653.8 (969.9, 2,520.3)   | 0.021783 (0.0127749, 0.0331978) | 1,084.6 (656.1, 1,632.8)   | 0.016568 (0.0100214, 0.0249408) |
| Kalimantan Barat | Chronic respiratory diseases                  | 55  | 1,683.8 (1,018.2, 2,553.1) | 0.022179 (0.0134116, 0.0336288) | 1,126.3 (697.4, 1,677.4)   | 0.017204 (0.0106524, 0.0256228) |
| Kalimantan Barat | Other non-communicable diseases               | 55  | 2,196.7 (1,482.8, 3,087.4) | 0.028935 (0.0195320, 0.0406670) | 2,195.0 (1,554.3, 3,017.9) | 0.033529 (0.0237421, 0.0460990) |
| Kalimantan Barat | Drowning                                      | 55  | 118.6 (41.6, 283.6)        | 0.001562 (0.0005474, 0.0037362) | 80.3 (24.0, 198.9)         | 0.001227 (0.0003659, 0.0030385) |
| Kalimantan Barat | Falls                                         | 55  | 408.4 (171.5, 761.0)       | 0.005380 (0.0022588, 0.0100233) | 282.2 (127.0, 512.9)       | 0.004311 (0.0019393, 0.0078347) |
| Kalimantan Barat | Interpersonal violence                        | 55  | 50.1 (23.7, 91.6)          | 0.000660 (0.0003127, 0.0012060) | 26.1 (10.1, 56.3)          | 0.000398 (0.0001537, 0.0008597) |
| Kalimantan Barat | Self-harm                                     | 55  | 79.6 (33.1, 167.5)         | 0.001048 (0.0004362, 0.0022057) | 30.0 (11.3, 63.0)          | 0.000458 (0.0001721, 0.0009625) |
| Kalimantan Barat | Transport injuries                            | 55  | 793.8 (414.2, 1,372.0)     | 0.010456 (0.0054553, 0.0180720) | 327.0 (161.7, 590.7)       | 0.004995 (0.0024700, 0.0090236) |
| Kalimantan Barat | Other unintentional injuries                  | 55  | 340.7 (167.7, 592.4)       | 0.004488 (0.0022087, 0.0078026) | 142.0 (70.9, 248.8)        | 0.002169 (0.0010823, 0.0038004) |
| Kalimantan Barat | Diarrheal diseases                            | 60  | 519.0 (239.2, 952.0)       | 0.009594 (0.0044223, 0.0175969) | 758.7 (376.2, 1,248.7)     | 0.014238 (0.0070611, 0.0234356) |
| Kalimantan Barat | HIV/AIDS                                      | 60  | 9.9 (1.6, 33.1)            | 0.000182 (0.0000299, 0.0006127) | 10.0 (1.6, 33.3)           | 0.000187 (0.0000300, 0.0006252) |
| Kalimantan Barat | Lower respiratory infections                  | 60  | 758.2 (359.8, 1,349.1)     | 0.014015 (0.0066514, 0.0249373) | 820.7 (429.1, 1,333.5)     | 0.015403 (0.0080540, 0.0250268) |
| Kalimantan Barat | Malaria                                       | 60  | 157.9 (24.2, 479.6)        | 0.002920 (0.0004466, 0.0088648) | 106.9 (13.5, 378.1)        | 0.002007 (0.0002537, 0.0070954) |
| Kalimantan Barat | Tuberculosis                                  | 60  | 2,990.7 (1,945.6, 4,263.0) | 0.055282 (0.0359642, 0.0787983) | 1,952.1 (1,272.1, 2,767.4) | 0.036638 (0.0238751, 0.0519387) |
| Kalimantan Barat | Other communicable diseases                   | 60  | 795.9 (404.0, 1,336.9)     | 0.014712 (0.0074685, 0.0247121) | 921.9 (514.6, 1,457.2)     | 0.017302 (0.0096582, 0.0273482) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 60  | 581.9 (238.2, 1,211.0)     | 0.010757 (0.0044023, 0.0223854) | 187.2 (69.8, 417.4)        | 0.003513 (0.0013106, 0.0078337) |
| Kalimantan Barat | Breast cancer                                 | 60  | 12.5 (3.5, 29.4)           | 0.000231 (0.0000653, 0.0005435) | 487.3 (202.4, 934.7)       | 0.009146 (0.0037991, 0.0175433) |
| Kalimantan Barat | Cervical cancer                               | 60  |                            |                                 | 493.7 (167.9, 1,023.8)     | 0.009266 (0.0031516, 0.0192151) |
| Kalimantan Barat | Other malignant neoplasms                     | 60  | 1,042.7 (583.7, 1,633.6)   | 0.019274 (0.0107892, 0.0301955) | 897.0 (453.1, 1,502.2)     | 0.016834 (0.0085038, 0.0281933) |
| Kalimantan Barat | Cerebrovascular disease                       | 60  | 6,413.9 (4,497.3, 8,576.1) | 0.118557 (0.0831301, 0.1585251) | 6,943.3 (5,258.8, 8,664.9) | 0.130312 (0.0986987, 0.1626248) |
| Kalimantan Barat | Ischemic heart disease                        | 60  | 5,331.5 (3,724.7, 7,184.2) | 0.098549 (0.0688482, 0.1327957) | 3,552.5 (2,503.8, 4,759.1) | 0.066674 (0.0469922, 0.0893196) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 60  | 1,801.6 (1,027.8, 3,018.5) | 0.033303 (0.0189983, 0.0557948) | 2,052.7 (1,224.6, 3,341.4) | 0.038525 (0.0229828, 0.0627125) |
| Kalimantan Barat | Diabetes mellitus                             | 60  | 1,526.5 (942.4, 2,213.5)   | 0.028216 (0.0174204, 0.0409146) | 2,023.4 (1,312.3, 2,808.4) | 0.037975 (0.0246293, 0.0527080) |
| Kalimantan Barat | Chronic kidney disease                        | 60  | 709.0 (461.5, 1,036.9)     | 0.013106 (0.0085313, 0.0191658) | 592.1 (392.6, 842.8)       | 0.011113 (0.0073678, 0.0158181) |
| Kalimantan Barat | Cirrhosis                                     | 60  | 1,398.3 (806.7, 2,183.3)   | 0.025846 (0.0149117, 0.0403567) | 958.3 (593.2, 1,435.4)     | 0.017986 (0.0111337, 0.0269395) |
| Kalimantan Barat | Chronic respiratory diseases                  | 60  | 2,285.9 (1,413.4, 3,339.9) | 0.042253 (0.0261251, 0.0617356) | 1,536.5 (988.5, 2,201.9)   | 0.028838 (0.0185531, 0.0413250) |
| Kalimantan Barat | Other non-communicable diseases               | 60  | 2,381.2 (1,578.0, 3,366.4) | 0.044015 (0.0291689, 0.0622267) | 2,467.6 (1,778.9, 3,303.8) | 0.046312 (0.0333874, 0.0620054) |
| Kalimantan Barat | Drowning                                      | 60  | 95.3 (29.7, 233.3)         | 0.001762 (0.0005495, 0.0043133) | 64.7 (17.1, 159.8)         | 0.001215 (0.0003209, 0.0029998) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Barat | Falls                                         | 60  | 354.5 (153.3, 658.2)       | 0.006553 (0.0028328, 0.0121664) | 247.1 (109.2, 442.2)       | 0.004638 (0.0020501, 0.0082991) |
| Kalimantan Barat | Interpersonal violence                        | 60  | 32.0 (13.6, 62.9)          | 0.000591 (0.0002522, 0.0011623) | 17.5 (6.3, 39.3)           | 0.000329 (0.0001191, 0.0007380) |
| Kalimantan Barat | Self-harm                                     | 60  | 56.4 (22.8, 118.1)         | 0.001043 (0.0004215, 0.0021825) | 22.4 (8.2, 49.0)           | 0.000421 (0.0001548, 0.0009203) |
| Kalimantan Barat | Transport injuries                            | 60  | 662.9 (330.7, 1,150.5)     | 0.012254 (0.0061132, 0.0212672) | 278.0 (139.1, 494.4)       | 0.005218 (0.0026108, 0.0092787) |
| Kalimantan Barat | Other unintentional injuries                  | 60  | 267.2 (134.5, 463.5)       | 0.004938 (0.0024854, 0.0085670) | 114.7 (54.8, 205.4)        | 0.002152 (0.0010294, 0.0038548) |
| Kalimantan Barat | Diarrheal diseases                            | 65  | 749.5 (366.6, 1,283.5)     | 0.018557 (0.0090748, 0.0317753) | 978.3 (563.4, 1,507.6)     | 0.027309 (0.0157264, 0.0420817) |
| Kalimantan Barat | HIV/AIDS                                      | 65  | 8.0 (1.3, 24.3)            | 0.000199 (0.0000324, 0.0006005) | 7.4 (1.3, 22.2)            | 0.000207 (0.0000356, 0.0006197) |
| Kalimantan Barat | Lower respiratory infections                  | 65  | 757.3 (358.1, 1,342.2)     | 0.018749 (0.0088659, 0.0332294) | 756.0 (402.3, 1,220.6)     | 0.021104 (0.0112301, 0.0340703) |
| Kalimantan Barat | Malaria                                       | 65  | 144.0 (22.0, 455.2)        | 0.003565 (0.0005450, 0.0112701) | 84.6 (10.8, 295.5)         | 0.002360 (0.0003010, 0.0082479) |
| Kalimantan Barat | Tuberculosis                                  | 65  | 2,711.9 (1,728.4, 3,859.7) | 0.067140 (0.0427899, 0.0955546) | 1,585.4 (1,030.5, 2,305.5) | 0.044255 (0.0287658, 0.0643538) |
| Kalimantan Barat | Other communicable diseases                   | 65  | 679.5 (326.0, 1,171.4)     | 0.016823 (0.0080711, 0.0290014) | 712.2 (373.0, 1,181.0)     | 0.019879 (0.0104129, 0.0329659) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 65  | 457.0 (184.9, 976.9)       | 0.011313 (0.0045773, 0.0241859) | 117.1 (44.7, 276.0)        | 0.003268 (0.0012488, 0.0077054) |
| Kalimantan Barat | Breast cancer                                 | 65  | 7.9 (2.1, 20.8)            | 0.000195 (0.0000526, 0.0005150) | 277.1 (114.7, 548.9)       | 0.007736 (0.0032005, 0.0153210) |
| Kalimantan Barat | Cervical cancer                               | 65  |                            |                                 | 261.9 (85.6, 557.4)        | 0.007311 (0.0023881, 0.0155577) |
| Kalimantan Barat | Other malignant neoplasms                     | 65  | 713.3 (387.8, 1,147.9)     | 0.017659 (0.0096002, 0.0284185) | 690.1 (362.4, 1,114.8)     | 0.019264 (0.0101147, 0.0311166) |
| Kalimantan Barat | Cerebrovascular disease                       | 65  | 5,898.9 (4,065.0, 7,987.3) | 0.146038 (0.1006374, 0.1977414) | 5,990.0 (4,572.2, 7,439.5) | 0.167201 (0.1276261, 0.2076617) |
| Kalimantan Barat | Ischemic heart disease                        | 65  | 4,606.4 (3,157.6, 6,275.3) | 0.114040 (0.0781725, 0.1553568) | 2,835.6 (2,002.8, 3,776.1) | 0.079150 (0.0559056, 0.1054043) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 65  | 1,750.7 (998.4, 2,937.6)   | 0.043343 (0.0247173, 0.0727256) | 1,862.1 (1,119.6, 2,939.2) | 0.051978 (0.0312532, 0.0820445) |
| Kalimantan Barat | Diabetes mellitus                             | 65  | 1,078.9 (658.4, 1,575.4)   | 0.026710 (0.0162997, 0.0390014) | 1,349.5 (860.2, 1,861.4)   | 0.037669 (0.0240100, 0.0519586) |
| Kalimantan Barat | Chronic kidney disease                        | 65  | 587.7 (377.9, 860.0)       | 0.014548 (0.0093546, 0.0212912) | 457.6 (310.4, 640.6)       | 0.012774 (0.0086648, 0.0178801) |
| Kalimantan Barat | Cirrhosis                                     | 65  | 964.1 (545.2, 1,502.5)     | 0.023867 (0.0134982, 0.0371974) | 628.4 (390.9, 945.4)       | 0.017542 (0.0109102, 0.0263886) |
| Kalimantan Barat | Chronic respiratory diseases                  | 65  | 2,240.9 (1,378.8, 3,276.4) | 0.055477 (0.0341340, 0.0811126) | 1,420.0 (941.2, 1,995.5)   | 0.039638 (0.0262712, 0.0557013) |
| Kalimantan Barat | Other non-communicable diseases               | 65  | 2,351.2 (1,558.4, 3,332.6) | 0.058210 (0.0385818, 0.0825044) | 2,283.1 (1,676.5, 3,016.2) | 0.063730 (0.0467979, 0.0841923) |
| Kalimantan Barat | Drowning                                      | 65  | 64.8 (19.0, 153.6)         | 0.001605 (0.0004710, 0.0038022) | 42.2 (11.1, 103.0)         | 0.001178 (0.0003100, 0.0028757) |
| Kalimantan Barat | Falls                                         | 65  | 311.7 (135.9, 559.4)       | 0.007718 (0.0033641, 0.0138482) | 204.9 (92.8, 359.0)        | 0.005721 (0.0025910, 0.0100214) |
| Kalimantan Barat | Interpersonal violence                        | 65  | 21.4 (8.5, 44.6)           | 0.000530 (0.0002102, 0.0011051) | 10.5 (3.7, 24.8)           | 0.000293 (0.0001019, 0.0006926) |
| Kalimantan Barat | Self-harm                                     | 65  | 43.4 (16.9, 96.2)          | 0.001074 (0.0004193, 0.0023824) | 15.3 (5.7, 34.1)           | 0.000428 (0.0001580, 0.0009519) |
| Kalimantan Barat | Transport injuries                            | 65  | 469.3 (233.6, 836.6)       | 0.011620 (0.0057841, 0.0207125) | 182.8 (83.4, 326.9)        | 0.005103 (0.0023277, 0.0091251) |
| Kalimantan Barat | Other unintentional injuries                  | 65  | 207.7 (103.2, 367.8)       | 0.005143 (0.0025538, 0.0091066) | 81.8 (38.0, 146.6)         | 0.002284 (0.0010614, 0.0040920) |
| Kalimantan Barat | Diarrheal diseases                            | 70  | 768.4 (390.5, 1,330.2)     | 0.033214 (0.0168802, 0.0574964) | 1,063.2 (627.1, 1,605.8)   | 0.045345 (0.0267438, 0.0684873) |
| Kalimantan Barat | HIV/AIDS                                      | 70  | 7.6 (1.3, 24.7)            | 0.000327 (0.0000570, 0.0010658) | 7.7 (1.4, 24.3)            | 0.000329 (0.0000604, 0.0010371) |
| Kalimantan Barat | Lower respiratory infections                  | 70  | 685.9 (330.4, 1,172.7)     | 0.029649 (0.0142803, 0.0506874) | 769.5 (413.0, 1,223.6)     | 0.032818 (0.0176146, 0.0521830) |
| Kalimantan Barat | Malaria                                       | 70  | 96.7 (14.1, 325.4)         | 0.004180 (0.0006090, 0.0140651) | 61.5 (8.0, 223.6)          | 0.002624 (0.0003399, 0.0095353) |
| Kalimantan Barat | Tuberculosis                                  | 70  | 1,962.5 (1,239.4, 2,847.5) | 0.084827 (0.0535722, 0.1230799) | 1,339.0 (856.8, 1,904.6)   | 0.057108 (0.0365410, 0.0812292) |
| Kalimantan Barat | Other communicable diseases                   | 70  | 520.1 (254.7, 921.3)       | 0.022483 (0.0110083, 0.0398225) | 574.6 (308.5, 960.6)       | 0.024507 (0.0131588, 0.0409674) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 70  | 287.5 (113.7, 627.9)       | 0.012429 (0.0049132, 0.0271412) | 79.6 (29.9, 188.1)         | 0.003395 (0.0012762, 0.0080232) |
| Kalimantan Barat | Breast cancer                                 | 70  | 4.0 (1.0, 10.7)            | 0.000171 (0.0000411, 0.0004631) | 138.0 (54.8, 279.2)        | 0.005885 (0.0023387, 0.0119059) |
| Kalimantan Barat | Cervical cancer                               | 70  |                            |                                 | 125.1 (37.3, 292.5)        | 0.005337 (0.0015896, 0.0124761) |
| Kalimantan Barat | Other malignant neoplasms                     | 70  | 390.7 (208.8, 628.3)       | 0.016886 (0.0090271, 0.0271555) | 446.6 (243.0, 710.9)       | 0.019047 (0.0103634, 0.0303188) |
| Kalimantan Barat | Cerebrovascular disease                       | 70  | 4,236.0 (2,888.1, 5,813.6) | 0.183095 (0.1248330, 0.2512858) | 5,028.7 (3,877.8, 6,226.3) | 0.214470 (0.1653850, 0.2655450) |
| Kalimantan Barat | Ischemic heart disease                        | 70  | 3,077.2 (2,079.6, 4,241.2) | 0.133010 (0.0898900, 0.1833194) | 2,365.4 (1,700.2, 3,140.6) | 0.100883 (0.0725113, 0.1339443) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 70  | 1,351.1 (776.7, 2,264.7)   | 0.058399 (0.0335701, 0.0978897) | 1,639.4 (976.9, 2,561.9)   | 0.069920 (0.0416619, 0.1092623) |
| Kalimantan Barat | Diabetes mellitus                             | 70  | 562.3 (344.4, 850.4)       | 0.024306 (0.0148851, 0.0367583) | 830.8 (532.5, 1,154.1)     | 0.035435 (0.0227119, 0.0492219) |
| Kalimantan Barat | Chronic kidney disease                        | 70  | 359.4 (226.1, 523.5)       | 0.015537 (0.0097719, 0.0226290) | 331.1 (221.1, 456.1)       | 0.014121 (0.0094307, 0.0194528) |
| Kalimantan Barat | Cirrhosis                                     | 70  | 570.1 (318.6, 900.4)       | 0.024641 (0.0137719, 0.0389197) | 430.2 (268.4, 640.6)       | 0.018348 (0.0114462, 0.0273197) |
| Kalimantan Barat | Chronic respiratory diseases                  | 70  | 1,968.4 (1,251.8, 2,813.4) | 0.085081 (0.0541070, 0.1216046) | 1,397.5 (952.0, 1,912.9)   | 0.059604 (0.0406010, 0.0815844) |
| Kalimantan Barat | Other non-communicable diseases               | 70  | 1,825.7 (1,189.6, 2,570.9) | 0.078914 (0.0514187, 0.1111245) | 2,048.8 (1,522.3, 2,696.1) | 0.087379 (0.0649226, 0.1149874) |
| Kalimantan Barat | Drowning                                      | 70  | 71.7 (25.3, 173.3)         | 0.003101 (0.0010914, 0.0074904) | 50.1 (17.0, 121.8)         | 0.002136 (0.0007236, 0.0051946) |
| Kalimantan Barat | Falls                                         | 70  | 228.8 (103.4, 413.0)       | 0.009888 (0.0044687, 0.0178535) | 164.9 (79.6, 283.3)        | 0.007034 (0.0033957, 0.0120840) |
| Kalimantan Barat | Interpersonal violence                        | 70  | 10.3 (3.5, 23.8)           | 0.000445 (0.0001532, 0.0010289) | 5.8 (1.8, 14.3)            | 0.000246 (0.0000762, 0.0006104) |
| Kalimantan Barat | Self-harm                                     | 70  | 24.6 (9.5, 55.1)           | 0.001062 (0.0004101, 0.0023801) | 10.0 (3.7, 23.2)           | 0.000427 (0.0001567, 0.0009895) |
| Kalimantan Barat | Transport injuries                            | 70  | 296.6 (142.2, 526.0)       | 0.012822 (0.0061479, 0.0227341) | 128.1 (60.9, 241.9)        | 0.005463 (0.0025972, 0.0103149) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|------------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Kalimantan Barat | Other unintentional injuries                  | 70  | 134.5 (66.5, 253.3)           | 0.005813 (0.0028755, 0.0109482) | 59.6 (28.2, 108.3)            | 0.002542 (0.0012042, 0.0046184) |
| Kalimantan Barat | Diarrheal diseases                            | 75  | 480.3 (251.7, 816.2)          | 0.042939 (0.0224998, 0.0729724) | 784.3 (481.6, 1,146.9)        | 0.064850 (0.0398212, 0.0948318) |
| Kalimantan Barat | HIV/AIDS                                      | 75  | 3.1 (0.6, 9.6)                | 0.000278 (0.0000495, 0.0008590) | 3.6 (0.7, 11.6)               | 0.000300 (0.0000550, 0.0009582) |
| Kalimantan Barat | Lower respiratory infections                  | 75  | 376.7 (177.9, 643.7)          | 0.033674 (0.0159050, 0.0575424) | 497.1 (273.2, 778.2)          | 0.041103 (0.0225895, 0.0643471) |
| Kalimantan Barat | Malaria                                       | 75  | 53.4 (6.7, 173.3)             | 0.004770 (0.0005967, 0.0154975) | 38.0 (4.5, 144.2)             | 0.003138 (0.0003756, 0.0119255) |
| Kalimantan Barat | Tuberculosis                                  | 75  | 909.7 (558.3, 1,353.8)        | 0.081325 (0.0499158, 0.1210254) | 687.6 (427.1, 1,019.8)        | 0.056850 (0.0353148, 0.0843194) |
| Kalimantan Barat | Other communicable diseases                   | 75  | 259.3 (119.0, 462.7)          | 0.023185 (0.0106348, 0.0413636) | 345.3 (181.2, 589.0)          | 0.028548 (0.0149806, 0.0487018) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 75  | 114.2 (45.9, 250.3)           | 0.010209 (0.0041071, 0.0223745) | 36.9 (13.5, 87.2)             | 0.003052 (0.0011181, 0.0072096) |
| Kalimantan Barat | Breast cancer                                 | 75  | 1.5 (0.3, 4.2)                | 0.000132 (0.0000281, 0.0003781) | 53.7 (20.0, 109.3)            | 0.004441 (0.0016554, 0.0090405) |
| Kalimantan Barat | Cervical cancer                               | 75  |                               |                                 | 48.7 (13.5, 116.0)            | 0.004030 (0.0011123, 0.0095931) |
| Kalimantan Barat | Other malignant neoplasms                     | 75  | 156.6 (82.9, 259.8)           | 0.014000 (0.0074079, 0.0232298) | 230.8 (124.0, 374.6)          | 0.019080 (0.0102532, 0.0309769) |
| Kalimantan Barat | Cerebrovascular disease                       | 75  | 2,197.9 (1,469.5, 3,076.2)    | 0.196491 (0.1313728, 0.2750086) | 3,147.7 (2,447.9, 3,857.7)    | 0.260267 (0.2024080, 0.3189772) |
| Kalimantan Barat | Ischemic heart disease                        | 75  | 1,741.9 (1,171.0, 2,409.7)    | 0.155727 (0.1046892, 0.2154312) | 1,591.7 (1,139.6, 2,086.4)    | 0.131612 (0.0942257, 0.1725135) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 75  | 726.8 (408.6, 1,228.9)        | 0.064973 (0.0365279, 0.1098680) | 1,043.6 (626.1, 1,615.1)      | 0.086294 (0.0517695, 0.1335464) |
| Kalimantan Barat | Diabetes mellitus                             | 75  | 247.4 (146.1, 375.7)          | 0.022122 (0.0130625, 0.0335895) | 432.0 (275.8, 606.1)          | 0.035717 (0.0228062, 0.0501172) |
| Kalimantan Barat | Chronic kidney disease                        | 75  | 170.4 (104.2, 253.4)          | 0.015233 (0.0093142, 0.0226549) | 182.4 (122.6, 255.3)          | 0.015083 (0.0101338, 0.0211117) |
| Kalimantan Barat | Cirrhosis                                     | 75  | 259.2 (142.0, 417.4)          | 0.023169 (0.0126937, 0.0373183) | 237.3 (145.9, 358.9)          | 0.019620 (0.0120610, 0.0296777) |
| Kalimantan Barat | Chronic respiratory diseases                  | 75  | 1,036.3 (655.7, 1,493.3)      | 0.092648 (0.0586206, 0.1334994) | 843.6 (580.0, 1,167.9)        | 0.069749 (0.0479549, 0.0965666) |
| Kalimantan Barat | Other non-communicable diseases               | 75  | 1,089.2 (702.7, 1,551.8)      | 0.097370 (0.0628252, 0.1387279) | 1,458.8 (1,099.5, 1,891.2)    | 0.120624 (0.0909101, 0.1563707) |
| Kalimantan Barat | Drowning                                      | 75  | 48.1 (16.5, 106.6)            | 0.004303 (0.0014794, 0.0095331) | 41.4 (14.4, 93.5)             | 0.003421 (0.0011936, 0.0077337) |
| Kalimantan Barat | Falls                                         | 75  | 135.0 (59.9, 243.1)           | 0.012070 (0.0053595, 0.0217318) | 116.3 (55.3, 201.9)           | 0.009615 (0.0045694, 0.0166901) |
| Kalimantan Barat | Interpersonal violence                        | 75  | 4.1 (1.1, 10.1)               | 0.000365 (0.0001000, 0.0009027) | 2.5 (0.6, 6.9)                | 0.000203 (0.0000517, 0.0005698) |
| Kalimantan Barat | Self-harm                                     | 75  | 11.9 (4.4, 27.6)              | 0.001064 (0.0003940, 0.0024694) | 5.2 (1.8, 11.7)               | 0.000427 (0.0001484, 0.0009685) |
| Kalimantan Barat | Transport injuries                            | 75  | 110.3 (47.2, 206.6)           | 0.009864 (0.0042199, 0.0184698) | 55.3 (23.2, 110.1)            | 0.004576 (0.0019203, 0.0091011) |
| Kalimantan Barat | Other unintentional injuries                  | 75  | 65.1 (29.2, 125.4)            | 0.005818 (0.0026149, 0.0112079) | 32.6 (14.3, 62.0)             | 0.002699 (0.0011805, 0.0051277) |
| Kalimantan Barat | Diarrheal diseases                            | 80  | 878.2 (532.6, 1,316.2)        | 0.110796 (0.0671968, 0.1660584) | 1,703.4 (1,141.3, 2,321.3)    | 0.152993 (0.1025077, 0.2084836) |
| Kalimantan Barat | HIV/AIDS                                      | 80  | 3.4 (0.5, 11.2)               | 0.000432 (0.0000647, 0.0014070) | 5.2 (0.8, 18.2)               | 0.000470 (0.0000721, 0.0016351) |
| Kalimantan Barat | Lower respiratory infections                  | 80  | 480.2 (249.4, 795.3)          | 0.060581 (0.0314706, 0.1003359) | 791.8 (446.3, 1,263.5)        | 0.071116 (0.0400888, 0.1134792) |
| Kalimantan Barat | Malaria                                       | 80  | 61.1 (7.3, 203.6)             | 0.007705 (0.0009253, 0.0256900) | 60.0 (7.2, 223.1)             | 0.005386 (0.0006455, 0.0200404) |
| Kalimantan Barat | Tuberculosis                                  | 80  | 874.9 (548.1, 1,296.9)        | 0.110383 (0.0691549, 0.1636267) | 983.6 (612.5, 1,453.6)        | 0.088339 (0.0550132, 0.1305591) |
| Kalimantan Barat | Other communicable diseases                   | 80  | 328.9 (171.1, 566.1)          | 0.041498 (0.0215876, 0.0714260) | 497.6 (263.2, 862.7)          | 0.044689 (0.0236396, 0.0774836) |
| Kalimantan Barat | Tracheal, bronchus, and lung cancer           | 80  | 88.9 (34.8, 205.4)            | 0.011214 (0.0043884, 0.0259147) | 43.2 (15.5, 101.7)            | 0.003876 (0.0013945, 0.0091311) |
| Kalimantan Barat | Breast cancer                                 | 80  | 1.1 (0.2, 3.2)                | 0.000136 (0.0000246, 0.0004089) | 52.2 (17.1, 114.4)            | 0.004689 (0.0015394, 0.0102712) |
| Kalimantan Barat | Cervical cancer                               | 80  |                               |                                 | 37.0 (8.8, 97.9)              | 0.003321 (0.0007909, 0.0087972) |
| Kalimantan Barat | Other malignant neoplasms                     | 80  | 128.2 (71.1, 208.0)           | 0.016171 (0.0089710, 0.0262483) | 261.2 (139.2, 419.8)          | 0.023459 (0.0125000, 0.0377008) |
| Kalimantan Barat | Cerebrovascular disease                       | 80  | 2,247.5 (1,627.6, 2,960.4)    | 0.283555 (0.2053452, 0.3735053) | 4,387.8 (3,483.0, 5,297.4)    | 0.394094 (0.3128220, 0.4757859) |
| Kalimantan Barat | Ischemic heart disease                        | 80  | 1,592.8 (1,136.0, 2,137.1)    | 0.200954 (0.1433311, 0.2696276) | 2,217.5 (1,624.3, 2,877.0)    | 0.199169 (0.1458884, 0.2583953) |
| Kalimantan Barat | Other cardiovascular and circulatory diseases | 80  | 690.7 (396.6, 1,135.7)        | 0.087147 (0.0500374, 0.1432936) | 1,372.1 (822.4, 2,115.4)      | 0.123233 (0.0738594, 0.1899922) |
| Kalimantan Barat | Diabetes mellitus                             | 80  | 196.8 (119.6, 291.2)          | 0.024826 (0.0150919, 0.0367454) | 493.2 (322.6, 689.9)          | 0.044300 (0.0289762, 0.0619598) |
| Kalimantan Barat | Chronic kidney disease                        | 80  | 138.8 (89.6, 201.1)           | 0.017512 (0.0113034, 0.0253712) | 220.5 (150.2, 313.4)          | 0.019805 (0.0134902, 0.0281498) |
| Kalimantan Barat | Cirrhosis                                     | 80  | 224.6 (131.0, 346.8)          | 0.028340 (0.0165265, 0.0437548) | 271.0 (169.3, 412.1)          | 0.024339 (0.0152082, 0.0370145) |
| Kalimantan Barat | Chronic respiratory diseases                  | 80  | 1,063.0 (732.5, 1,436.6)      | 0.134116 (0.0924227, 0.1812455) | 1,177.3 (816.8, 1,583.8)      | 0.105744 (0.0733581, 0.1422474) |
| Kalimantan Barat | Other non-communicable diseases               | 80  | 1,221.8 (859.6, 1,663.4)      | 0.154152 (0.1084480, 0.2098612) | 2,241.6 (1,699.0, 2,873.5)    | 0.201331 (0.1525926, 0.2580846) |
| Kalimantan Barat | Drowning                                      | 80  | 50.2 (17.1, 114.1)            | 0.006329 (0.0021619, 0.0143996) | 45.2 (15.6, 105.4)            | 0.004061 (0.0014043, 0.0094689) |
| Kalimantan Barat | Falls                                         | 80  | 180.6 (89.5, 306.6)           | 0.022790 (0.0112938, 0.0386862) | 179.2 (93.2, 297.3)           | 0.016091 (0.0083674, 0.0267006) |
| Kalimantan Barat | Interpersonal violence                        | 80  | 3.0 (0.6, 8.4)                | 0.000376 (0.0000732, 0.0010558) | 2.7 (0.5, 8.0)                | 0.000241 (0.0000481, 0.0007198) |
| Kalimantan Barat | Self-harm                                     | 80  | 10.2 (3.7, 23.2)              | 0.001284 (0.0004701, 0.0029270) | 7.0 (2.3, 16.1)               | 0.000625 (0.0002086, 0.0014426) |
| Kalimantan Barat | Transport injuries                            | 80  | 95.5 (40.7, 178.0)            | 0.012049 (0.0051355, 0.0224623) | 59.3 (24.4, 117.0)            | 0.005328 (0.0021959, 0.0105098) |
| Kalimantan Barat | Other unintentional injuries                  | 80  | 59.5 (26.4, 109.9)            | 0.007509 (0.0033337, 0.0138638) | 39.9 (16.8, 73.0)             | 0.003582 (0.0015061, 0.0065535) |
| Kalimantan Barat | Diarrheal diseases                            | All | 10,946.5 (5,884.0, 17,595.6)  | 0.004528 (0.0024339, 0.0072784) | 13,414.0 (7,693.2, 20,220.7)  | 0.005832 (0.0033447, 0.0087911) |
| Kalimantan Barat | HIV/AIDS                                      | All | 2,654.8 (650.3, 7,466.4)      | 0.001098 (0.0002690, 0.0030885) | 1,648.4 (402.1, 4,733.1)      | 0.000717 (0.0001748, 0.0020577) |
| Kalimantan Barat | Lower respiratory infections                  | All | 21,273.1 (13,777.5, 31,276.8) | 0.008800 (0.0056990, 0.0129376) | 16,335.5 (10,331.7, 24,490.1) | 0.007102 (0.0044918, 0.0106472) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                   |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Kalimantan Barat  | Malaria                                                  | All | 3,272.6       | (560.9, 9,436.2)     | 0.001354                 | (0.0002320, 0.0039033) | 1,957.2       | (300.2, 5,998.2)     | 0.000851                 | (0.0001305, 0.0026078) |
| Kalimantan Barat  | Tuberculosis                                             | All | 42,453.3      | (29,550.0, 58,466.8) | 0.017561                 | (0.0122233, 0.0241848) | 23,916.6      | (16,004.8, 33,627.7) | 0.010398                 | (0.0069582, 0.0146199) |
| Kalimantan Barat  | Maternal disorders                                       | All |               |                      |                          |                        | 10,244.2      | (7,017.6, 13,964.3)  | 0.004454                 | (0.0030509, 0.0060711) |
| Kalimantan Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 17,027.2      | (8,018.0, 28,149.2)  | 0.007043                 | (0.0033166, 0.0116439) | 11,994.6      | (5,884.5, 21,079.8)  | 0.005215                 | (0.0025583, 0.0091646) |
| Kalimantan Barat  | Preterm birth complications                              | All | 12,855.7      | (5,723.3, 22,426.1)  | 0.005318                 | (0.0023675, 0.0092766) | 12,138.9      | (5,764.2, 21,740.8)  | 0.005278                 | (0.0025060, 0.0094519) |
| Kalimantan Barat  | Other neonatal disorders                                 | All | 7,924.2       | (2,628.9, 16,325.9)  | 0.003278                 | (0.0010875, 0.0067532) | 5,401.1       | (1,713.3, 11,758.2)  | 0.002348                 | (0.0007449, 0.0051120) |
| Kalimantan Barat  | Other communicable diseases                              | All | 29,618.0      | (19,840.9, 40,990.6) | 0.012252                 | (0.0082072, 0.0169557) | 22,729.2      | (14,874.3, 31,585.8) | 0.009882                 | (0.0064667, 0.0137321) |
| Kalimantan Barat  | Tracheal, bronchus, and lung cancer                      | All | 4,889.7       | (2,028.6, 10,193.8)  | 0.002023                 | (0.0008391, 0.0042167) | 2,152.9       | (849.5, 4,747.4)     | 0.000936                 | (0.0003693, 0.0020639) |
| Kalimantan Barat  | Breast cancer                                            | All | 140.4         | (42.7, 326.8)        | 0.000058                 | (0.0000177, 0.0001352) | 8,986.3       | (4,202.9, 16,122.6)  | 0.003907                 | (0.0018272, 0.0070094) |
| Kalimantan Barat  | Cervical cancer                                          | All |               |                      |                          |                        | 6,896.0       | (2,540.6, 13,801.3)  | 0.002998                 | (0.0011045, 0.0060002) |
| Kalimantan Barat  | Other malignant neoplasms                                | All | 17,769.0      | (10,697.6, 27,222.3) | 0.007350                 | (0.0044251, 0.0112605) | 15,759.8      | (8,888.6, 24,489.0)  | 0.006852                 | (0.0038644, 0.0106468) |
| Kalimantan Barat  | Cerebrovascular disease                                  | All | 45,460.9      | (32,475.0, 61,360.1) | 0.018805                 | (0.0134333, 0.0253816) | 51,494.0      | (37,937.9, 65,767.1) | 0.022387                 | (0.0164938, 0.0285927) |
| Kalimantan Barat  | Ischemic heart disease                                   | All | 44,066.8      | (31,874.3, 59,239.6) | 0.018228                 | (0.0131848, 0.0245044) | 30,139.5      | (21,246.9, 40,567.1) | 0.013103                 | (0.0092372, 0.0176368) |
| Kalimantan Barat  | Other cardiovascular and circulatory diseases            | All | 15,136.1      | (8,726.0, 25,366.7)  | 0.006261                 | (0.0036095, 0.0104929) | 18,242.9      | (10,869.6, 29,466.0) | 0.007931                 | (0.0047256, 0.0128106) |
| Kalimantan Barat  | Diabetes mellitus                                        | All | 10,962.0      | (6,979.4, 15,851.3)  | 0.004534                 | (0.0028870, 0.0065569) | 14,859.2      | (9,489.1, 20,892.8)  | 0.006460                 | (0.0041254, 0.0090833) |
| Kalimantan Barat  | Chronic kidney disease                                   | All | 9,174.0       | (6,286.4, 13,137.2)  | 0.003795                 | (0.0026004, 0.0054342) | 8,154.6       | (5,431.3, 11,504.7)  | 0.003545                 | (0.0023613, 0.0050017) |
| Kalimantan Barat  | Cirrhosis                                                | All | 17,327.8      | (10,509.1, 25,717.1) | 0.007168                 | (0.0043471, 0.0106379) | 11,272.4      | (6,948.5, 16,999.3)  | 0.004901                 | (0.0030209, 0.0073905) |
| Kalimantan Barat  | Chronic respiratory diseases                             | All | 18,913.6      | (11,741.3, 27,803.6) | 0.007824                 | (0.0048568, 0.0115009) | 13,221.4      | (8,455.0, 18,967.9)  | 0.005748                 | (0.0036759, 0.0082464) |
| Kalimantan Barat  | Other non-communicable diseases                          | All | 39,835.9      | (29,710.8, 52,658.1) | 0.016478                 | (0.0122898, 0.0217820) | 41,482.3      | (31,609.4, 53,666.3) | 0.018035                 | (0.0137424, 0.0233318) |
| Kalimantan Barat  | Drowning                                                 | All | 11,307.2      | (6,473.1, 18,287.9)  | 0.004677                 | (0.0026776, 0.0075648) | 4,381.3       | (2,235.1, 7,568.4)   | 0.001905                 | (0.0009717, 0.0032904) |
| Kalimantan Barat  | Falls                                                    | All | 5,500.1       | (2,517.7, 9,390.8)   | 0.002275                 | (0.0010415, 0.0038845) | 3,252.5       | (1,494.6, 5,760.4)   | 0.001414                 | (0.0006498, 0.0025044) |
| Kalimantan Barat  | Interpersonal violence                                   | All | 2,042.9       | (1,162.9, 3,212.1)   | 0.000845                 | (0.0004810, 0.0013287) | 1,367.7       | (691.5, 2,325.4)     | 0.000595                 | (0.0003006, 0.0010110) |
| Kalimantan Barat  | Self-harm                                                | All | 2,018.7       | (962.1, 3,845.3)     | 0.000835                 | (0.0003980, 0.0015906) | 1,096.7       | (488.5, 2,061.1)     | 0.000477                 | (0.0002124, 0.0008961) |
| Kalimantan Barat  | Transport injuries                                       | All | 33,055.9      | (21,810.7, 47,026.7) | 0.013674                 | (0.0090220, 0.0194526) | 12,850.9      | (7,865.7, 19,441.7)  | 0.005587                 | (0.0034197, 0.0084524) |
| Kalimantan Barat  | Other unintentional injuries                             | All | 10,385.0      | (6,186.5, 15,841.1)  | 0.004296                 | (0.0025590, 0.0065527) | 4,377.8       | (2,447.9, 6,877.3)   | 0.001903                 | (0.0010643, 0.0029900) |
| Kalimantan Tengah | Diarrheal diseases                                       | NN  | 463.4         | (165.9, 973.3)       | 0.240850                 | (0.0862286, 0.5058329) | 427.8         | (157.2, 893.6)       | 0.231716                 | (0.0851393, 0.4839734) |
| Kalimantan Tengah | Lower respiratory infections                             | NN  | 3,511.1       | (1,559.8, 6,463.8)   | 1.824697                 | (0.8106129, 3.3592341) | 2,331.6       | (984.7, 4,492.8)     | 1.262771                 | (0.5332831, 2.4332550) |
| Kalimantan Tengah | Malaria                                                  | NN  | 38.8          | (5.1, 148.3)         | 0.020182                 | (0.0026289, 0.0770716) | 26.4          | (3.4, 104.7)         | 0.014309                 | (0.0018643, 0.0566964) |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 10,247.8      | (4,449.3, 18,618.3)  | 5.325749                 | (2.3122990, 9.6758871) | 7,537.3       | (3,273.8, 14,515.5)  | 4.082085                 | (1.7730190, 7.8614140) |
| Kalimantan Tengah | Preterm birth complications                              | NN  | 7,964.2       | (3,192.6, 15,350.3)  | 4.138987                 | (1.6591960, 7.9775252) | 7,858.0       | (3,356.4, 14,955.6)  | 4.255765                 | (1.8177890, 8.0997601) |
| Kalimantan Tengah | Other neonatal disorders                                 | NN  | 6,996.3       | (2,158.1, 14,132.9)  | 3.635966                 | (1.1215540, 7.3448262) | 5,079.9       | (1,344.1, 11,377.4)  | 2.751228                 | (0.7279614, 6.1618390) |
| Kalimantan Tengah | Other communicable diseases                              | NN  | 618.6         | (216.8, 1,356.7)     | 0.321481                 | (0.1126581, 0.7050946) | 398.3         | (143.0, 875.6)       | 0.215724                 | (0.0774665, 0.4742153) |
| Kalimantan Tengah | Other malignant neoplasms                                | NN  | 235.6         | (78.1, 525.1)        | 0.122452                 | (0.0405758, 0.2729041) | 201.8         | (66.8, 471.9)        | 0.109275                 | (0.0361600, 0.2555678) |
| Kalimantan Tengah | Cerebrovascular disease                                  | NN  | 78.8          | (17.7, 210.6)        | 0.040926                 | (0.0091802, 0.1094261) | 86.7          | (19.5, 224.0)        | 0.046981                 | (0.0105409, 0.1213146) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | NN  | 60.2          | (11.4, 168.0)        | 0.031303                 | (0.0059341, 0.0873253) | 64.1          | (13.4, 186.5)        | 0.034716                 | (0.0072400, 0.1010310) |
| Kalimantan Tengah | Diabetes mellitus                                        | NN  | 17.1          | (0.1, 134.6)         | 0.008865                 | (0.0000357, 0.0699552) | 47.3          | (0.3, 371.6)         | 0.025643                 | (0.0001379, 0.2012514) |
| Kalimantan Tengah | Other non-communicable diseases                          | NN  | 5,114.4       | (2,544.9, 8,344.3)   | 2.657920                 | (1.3225830, 4.3365059) | 5,007.3       | (2,552.0, 8,596.9)   | 2.711862                 | (1.3821120, 4.6559892) |
| Kalimantan Tengah | Drowning                                                 | NN  | 430.3         | (119.9, 995.2)       | 0.223646                 | (0.0622887, 0.5171793) | 106.7         | (29.4, 263.0)        | 0.057800                 | (0.0159343, 0.1424594) |
| Kalimantan Tengah | Falls                                                    | NN  | 129.4         | (33.9, 310.2)        | 0.067243                 | (0.0176205, 0.1612129) | 44.4          | (12.5, 116.5)        | 0.024051                 | (0.0067915, 0.0631148) |
| Kalimantan Tengah | Interpersonal violence                                   | NN  | 139.4         | (34.8, 354.8)        | 0.072458                 | (0.0180748, 0.1843685) | 81.5          | (21.8, 211.1)        | 0.044122                 | (0.0117797, 0.1143272) |
| Kalimantan Tengah | Transport injuries                                       | NN  | 237.1         | (74.7, 544.0)        | 0.123207                 | (0.0388082, 0.2827231) | 59.8          | (17.9, 145.7)        | 0.032395                 | (0.0097099, 0.0789349) |
| Kalimantan Tengah | Other unintentional injuries                             | NN  | 916.6         | (327.3, 1,971.8)     | 0.476368                 | (0.1700840, 1.0247290) | 308.1         | (111.2, 683.5)       | 0.166852                 | (0.0602114, 0.3701629) |
| Kalimantan Tengah | Diarrheal diseases                                       | PNN | 174.5         | (78.3, 319.2)        | 0.007264                 | (0.0032612, 0.0132898) | 176.0         | (78.4, 325.1)        | 0.007637                 | (0.0034017, 0.0141056) |
| Kalimantan Tengah | HIV/AIDS                                                 | PNN | 7.3           | (0.9, 26.9)          | 0.000302                 | (0.0000360, 0.0011209) | 5.1           | (0.6, 17.2)          | 0.000220                 | (0.0000249, 0.0007470) |
| Kalimantan Tengah | Lower respiratory infections                             | PNN | 110.5         | (50.2, 193.9)        | 0.004600                 | (0.0020889, 0.0080733) | 76.1          | (33.1, 143.7)        | 0.003303                 | (0.0014356, 0.0062361) |
| Kalimantan Tengah | Malaria                                                  | PNN | 14.4          | (2.0, 52.3)          | 0.000600                 | (0.0000815, 0.0021781) | 10.5          | (1.6, 35.4)          | 0.000456                 | (0.0000698, 0.0015369) |
| Kalimantan Tengah | Tuberculosis                                             | PNN | 14.8          | (4.2, 34.7)          | 0.000616                 | (0.0001740, 0.0014441) | 10.8          | (2.9, 26.8)          | 0.000468                 | (0.0001269, 0.0011618) |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 10.0          | (2.4, 27.3)          | 0.000418                 | (0.0001020, 0.0011383) | 7.3           | (1.8, 20.4)          | 0.000317                 | (0.0000763, 0.0008866) |
| Kalimantan Tengah | Preterm birth complications                              | PNN | 19.4          | (5.7, 49.1)          | 0.000808                 | (0.0002377, 0.0020459) | 21.2          | (6.2, 52.0)          | 0.000921                 | (0.0002680, 0.0022579) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|-------------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Other neonatal disorders                                 | PNN | 29.1 (5.2, 79.4)           | 0.001213 (0.0002172, 0.0033057) | 21.5 (3.1, 66.8)           | 0.000933 (0.0001359, 0.0028974) |
| Kalimantan Tengah | Other communicable diseases                              | PNN | 256.3 (122.6, 442.6)       | 0.010673 (0.0051058, 0.0184292) | 180.0 (81.9, 320.5)        | 0.007811 (0.0035537, 0.0139051) |
| Kalimantan Tengah | Other malignant neoplasms                                | PNN | 4.7 (1.7, 10.7)            | 0.000197 (0.0000698, 0.0004442) | 4.1 (1.5, 9.2)             | 0.000180 (0.0000647, 0.0004006) |
| Kalimantan Tengah | Cerebrovascular disease                                  | PNN | 1.6 (0.4, 4.0)             | 0.000066 (0.0000164, 0.0001672) | 1.8 (0.4, 4.7)             | 0.000078 (0.0000181, 0.0002040) |
| Kalimantan Tengah | Ischemic heart disease                                   | PNN | 0.9 (0.1, 4.5)             | 0.000039 (0.0000027, 0.0001866) | 1.1 (0.1, 4.8)             | 0.000046 (0.0000027, 0.0002070) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | PNN | 1.2 (0.3, 3.4)             | 0.000050 (0.0000104, 0.0001417) | 1.3 (0.3, 3.8)             | 0.000057 (0.0000128, 0.0001645) |
| Kalimantan Tengah | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.8)             | 0.000014 (0.0000001, 0.0001148) | 1.0 (0.0, 7.2)             | 0.000043 (0.0000002, 0.0003105) |
| Kalimantan Tengah | Chronic kidney disease                                   | PNN | 8.0 (2.9, 17.8)            | 0.000334 (0.0001225, 0.0007417) | 7.1 (2.4, 15.6)            | 0.000309 (0.0001050, 0.0006757) |
| Kalimantan Tengah | Other non-communicable diseases                          | PNN | 102.2 (49.0, 168.5)        | 0.004256 (0.0020384, 0.0070179) | 101.6 (48.8, 176.2)        | 0.004408 (0.0021194, 0.0076443) |
| Kalimantan Tengah | Drowning                                                 | PNN | 10.8 (3.4, 24.2)           | 0.000448 (0.0001411, 0.0010069) | 2.7 (0.8, 6.8)             | 0.000119 (0.0000355, 0.0002965) |
| Kalimantan Tengah | Falls                                                    | PNN | 3.1 (1.0, 7.2)             | 0.000130 (0.0000396, 0.0003017) | 1.1 (0.3, 2.7)             | 0.000047 (0.0000141, 0.0001190) |
| Kalimantan Tengah | Interpersonal violence                                   | PNN | 3.3 (0.9, 7.9)             | 0.000136 (0.0000394, 0.0003299) | 2.0 (0.5, 5.1)             | 0.000086 (0.0000226, 0.0002199) |
| Kalimantan Tengah | Transport injuries                                       | PNN | 5.9 (1.9, 13.3)            | 0.000244 (0.0000780, 0.0005558) | 1.5 (0.5, 3.8)             | 0.000066 (0.0000199, 0.0001658) |
| Kalimantan Tengah | Other unintentional injuries                             | PNN | 21.6 (8.6, 43.6)           | 0.000899 (0.0003566, 0.0018149) | 7.4 (2.8, 15.7)            | 0.000321 (0.0001213, 0.0006810) |
| Kalimantan Tengah | Diarrheal diseases                                       | 1   | 1,395.2 (529.4, 3,043.3)   | 0.013087 (0.0049663, 0.0285468) | 1,585.5 (615.8, 3,205.8)   | 0.015423 (0.0059903, 0.0311842) |
| Kalimantan Tengah | HIV/AIDS                                                 | 1   | 136.3 (16.5, 452.0)        | 0.001279 (0.0001548, 0.0042396) | 110.9 (12.0, 373.4)        | 0.001079 (0.0001167, 0.0036326) |
| Kalimantan Tengah | Lower respiratory infections                             | 1   | 2,075.8 (811.8, 4,291.9)   | 0.019471 (0.0076143, 0.0402587) | 1,631.5 (651.8, 3,241.6)   | 0.015870 (0.0063403, 0.0315320) |
| Kalimantan Tengah | Malaria                                                  | 1   | 96.2 (12.2, 344.0)         | 0.000902 (0.0001141, 0.0032264) | 79.5 (10.2, 305.2)         | 0.000773 (0.0000995, 0.0029684) |
| Kalimantan Tengah | Tuberculosis                                             | 1   | 295.6 (74.6, 729.3)        | 0.002773 (0.0007001, 0.0068405) | 248.7 (66.5, 615.0)        | 0.002419 (0.0006473, 0.0059824) |
| Kalimantan Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 93.5 (19.7, 262.9)         | 0.000877 (0.0001849, 0.0024659) | 73.2 (16.3, 199.7)         | 0.000712 (0.0001586, 0.0019426) |
| Kalimantan Tengah | Preterm birth complications                              | 1   | 34.7 (4.8, 136.8)          | 0.000325 (0.0000455, 0.0012829) | 41.5 (5.7, 155.5)          | 0.000404 (0.0000555, 0.0015122) |
| Kalimantan Tengah | Other neonatal disorders                                 | 1   | 39.2 (0.2, 274.4)          | 0.000368 (0.0000022, 0.0025740) | 30.8 (0.2, 209.4)          | 0.000299 (0.0000018, 0.0020370) |
| Kalimantan Tengah | Other communicable diseases                              | 1   | 4,316.4 (1,699.7, 8,736.3) | 0.040488 (0.0159436, 0.0819473) | 3,503.2 (1,496.2, 6,665.7) | 0.034077 (0.0145540, 0.0648399) |
| Kalimantan Tengah | Other malignant neoplasms                                | 1   | 60.7 (18.3, 150.3)         | 0.000570 (0.0001717, 0.0014102) | 64.0 (19.4, 153.3)         | 0.000622 (0.0001886, 0.0014909) |
| Kalimantan Tengah | Cerebrovascular disease                                  | 1   | 22.1 (4.5, 59.3)           | 0.000207 (0.0000418, 0.0005560) | 29.7 (6.7, 76.0)           | 0.000289 (0.0000650, 0.0007390) |
| Kalimantan Tengah | Ischemic heart disease                                   | 1   | 13.6 (0.9, 69.7)           | 0.000128 (0.0000086, 0.0006541) | 17.8 (1.2, 82.0)           | 0.000173 (0.0000114, 0.0007975) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | 1   | 15.9 (3.2, 52.0)           | 0.000149 (0.0000303, 0.0004878) | 20.7 (4.1, 66.4)           | 0.000201 (0.0000400, 0.0006455) |
| Kalimantan Tengah | Diabetes mellitus                                        | 1   | 4.7 (0.0, 37.3)            | 0.000045 (0.0000002, 0.0003502) | 16.2 (0.1, 133.7)          | 0.000158 (0.0000007, 0.0013009) |
| Kalimantan Tengah | Chronic kidney disease                                   | 1   | 98.6 (31.3, 227.3)         | 0.000925 (0.0002940, 0.0021318) | 105.1 (35.3, 238.9)        | 0.001023 (0.0003432, 0.0023236) |
| Kalimantan Tengah | Cirrhosis                                                | 1   | 117.1 (30.0, 321.8)        | 0.001099 (0.0002815, 0.0030185) | 75.3 (15.6, 206.5)         | 0.000733 (0.0001516, 0.0020088) |
| Kalimantan Tengah | Chronic respiratory diseases                             | 1   | 185.9 (43.3, 487.3)        | 0.001744 (0.0004059, 0.0045708) | 86.5 (19.2, 244.8)         | 0.000842 (0.0001869, 0.0023813) |
| Kalimantan Tengah | Other non-communicable diseases                          | 1   | 1,311.9 (524.3, 2,710.1)   | 0.012305 (0.0049178, 0.0254206) | 1,552.3 (679.8, 2,967.6)   | 0.015100 (0.0066128, 0.0288665) |
| Kalimantan Tengah | Drowning                                                 | 1   | 557.2 (159.5, 1,348.2)     | 0.005227 (0.0014961, 0.0126462) | 173.8 (48.6, 437.9)        | 0.001691 (0.0004726, 0.0042595) |
| Kalimantan Tengah | Falls                                                    | 1   | 112.6 (29.0, 267.8)        | 0.001056 (0.0002721, 0.0025121) | 47.4 (12.4, 125.0)         | 0.000462 (0.0001206, 0.0012159) |
| Kalimantan Tengah | Interpersonal violence                                   | 1   | 97.4 (23.6, 244.3)         | 0.000914 (0.0002217, 0.0022917) | 71.1 (18.8, 187.2)         | 0.000691 (0.0001828, 0.0018208) |
| Kalimantan Tengah | Transport injuries                                       | 1   | 272.9 (81.7, 634.6)        | 0.002560 (0.0007665, 0.0059529) | 86.4 (25.9, 232.6)         | 0.000840 (0.0002515, 0.0022631) |
| Kalimantan Tengah | Other unintentional injuries                             | 1   | 678.0 (223.4, 1,528.2)     | 0.006359 (0.0020952, 0.0143346) | 282.0 (94.8, 633.5)        | 0.002743 (0.0009220, 0.0061621) |
| Kalimantan Tengah | Diarrheal diseases                                       | 5   | 640.2 (353.8, 999.6)       | 0.004836 (0.0026726, 0.0075511) | 632.4 (363.9, 971.8)       | 0.005156 (0.0029668, 0.0079230) |
| Kalimantan Tengah | HIV/AIDS                                                 | 5   | 42.6 (4.8, 137.8)          | 0.000322 (0.0000361, 0.0010411) | 29.6 (3.3, 98.8)           | 0.000241 (0.0000267, 0.0008054) |
| Kalimantan Tengah | Lower respiratory infections                             | 5   | 631.9 (364.0, 960.4)       | 0.004773 (0.0027499, 0.0072550) | 430.5 (245.6, 672.2)       | 0.003510 (0.0020022, 0.0054802) |
| Kalimantan Tengah | Malaria                                                  | 5   | 42.9 (7.6, 156.5)          | 0.000324 (0.0000576, 0.0011821) | 31.0 (5.7, 115.6)          | 0.000253 (0.0000461, 0.0009421) |
| Kalimantan Tengah | Tuberculosis                                             | 5   | 128.6 (50.6, 267.7)        | 0.000971 (0.0003822, 0.0020219) | 93.4 (37.6, 193.8)         | 0.000761 (0.0003065, 0.0015799) |
| Kalimantan Tengah | Other communicable diseases                              | 5   | 1,957.8 (1,435.4, 2,558.0) | 0.014789 (0.0108429, 0.0193228) | 1,381.2 (1,004.3, 1,797.8) | 0.011261 (0.0081878, 0.0146573) |
| Kalimantan Tengah | Other malignant neoplasms                                | 5   | 251.6 (124.0, 451.1)       | 0.001901 (0.0009368, 0.0034079) | 224.9 (116.4, 391.9)       | 0.001833 (0.0009492, 0.0031952) |
| Kalimantan Tengah | Cerebrovascular disease                                  | 5   | 61.9 (24.9, 122.9)         | 0.000467 (0.0001883, 0.0009286) | 69.6 (30.5, 131.4)         | 0.000568 (0.0002487, 0.0010716) |
| Kalimantan Tengah | Ischemic heart disease                                   | 5   | 42.7 (14.5, 91.4)          | 0.000322 (0.0001099, 0.0006907) | 47.7 (17.8, 97.9)          | 0.000389 (0.0001453, 0.0007980) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases            | 5   | 50.4 (17.1, 120.6)         | 0.000381 (0.0001294, 0.0009110) | 54.1 (19.7, 122.8)         | 0.000441 (0.0001606, 0.0010015) |
| Kalimantan Tengah | Diabetes mellitus                                        | 5   | 36.8 (12.6, 85.8)          | 0.000278 (0.0000950, 0.0006479) | 115.1 (39.4, 271.7)        | 0.000939 (0.0003215, 0.0022154) |
| Kalimantan Tengah | Chronic kidney disease                                   | 5   | 138.9 (68.1, 257.1)        | 0.001049 (0.0005141, 0.0019422) | 125.9 (63.6, 221.0)        | 0.001027 (0.0005182, 0.0018018) |
| Kalimantan Tengah | Cirrhosis                                                | 5   | 209.4 (102.2, 367.8)       | 0.001582 (0.0007716, 0.0027787) | 119.2 (45.7, 248.5)        | 0.000972 (0.0003726, 0.0020258) |
| Kalimantan Tengah | Chronic respiratory diseases                             | 5   | 98.6 (38.8, 196.2)         | 0.000745 (0.0002930, 0.0014819) | 38.1 (14.2, 80.8)          | 0.000311 (0.0001157, 0.0006584) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Other non-communicable diseases               | 5   | 791.6 (535.1, 1,078.6)     | 0.005980 (0.0040423, 0.0081473) | 795.4 (575.5, 1,041.1)   | 0.006485 (0.0046919, 0.0084878) |
| Kalimantan Tengah | Drowning                                      | 5   | 1,395.5 (800.6, 2,053.5)   | 0.010541 (0.0060476, 0.0155118) | 538.9 (263.7, 857.6)     | 0.004393 (0.0021502, 0.0069920) |
| Kalimantan Tengah | Falls                                         | 5   | 154.8 (68.6, 299.1)        | 0.001169 (0.0005181, 0.0022590) | 72.6 (31.1, 140.2)       | 0.000592 (0.0002537, 0.0011430) |
| Kalimantan Tengah | Interpersonal violence                        | 5   | 59.6 (24.7, 127.2)         | 0.000450 (0.0001867, 0.0009611) | 48.3 (19.1, 105.0)       | 0.000394 (0.0001557, 0.0008559) |
| Kalimantan Tengah | Transport injuries                            | 5   | 709.8 (383.4, 1,170.5)     | 0.005362 (0.0028959, 0.0088422) | 262.0 (127.1, 461.2)     | 0.002136 (0.0010362, 0.0037604) |
| Kalimantan Tengah | Other unintentional injuries                  | 5   | 481.0 (249.6, 811.4)       | 0.003634 (0.0018856, 0.0061294) | 226.2 (110.1, 406.0)     | 0.001844 (0.0008977, 0.0033099) |
| Kalimantan Tengah | Diarrheal diseases                            | 10  | 270.2 (131.0, 473.2)       | 0.002323 (0.0011266, 0.0040682) | 262.2 (131.9, 446.4)     | 0.002416 (0.0012151, 0.0041126) |
| Kalimantan Tengah | HIV/AIDS                                      | 10  | 38.3 (5.8, 123.7)          | 0.000329 (0.0000497, 0.0010640) | 26.2 (3.6, 88.2)         | 0.000241 (0.0000335, 0.0008128) |
| Kalimantan Tengah | Lower respiratory infections                  | 10  | 368.6 (183.2, 624.5)       | 0.003169 (0.0015755, 0.0053692) | 241.4 (116.1, 407.9)     | 0.002224 (0.0010698, 0.0037583) |
| Kalimantan Tengah | Malaria                                       | 10  | 72.9 (14.6, 234.2)         | 0.000627 (0.0001259, 0.0020133) | 51.6 (10.3, 165.2)       | 0.000476 (0.0000945, 0.0015224) |
| Kalimantan Tengah | Tuberculosis                                  | 10  | 255.9 (118.1, 445.0)       | 0.002200 (0.0010152, 0.0038261) | 180.3 (86.2, 316.3)      | 0.001661 (0.0007940, 0.0029145) |
| Kalimantan Tengah | Maternal disorders                            | 10  |                            |                                 | 15.3 (2.7, 44.0)         | 0.000141 (0.0000249, 0.0004058) |
| Kalimantan Tengah | Other communicable diseases                   | 10  | 1,269.8 (912.8, 1,673.4)   | 0.010918 (0.0078486, 0.0143883) | 861.2 (602.1, 1,154.5)   | 0.007934 (0.0055468, 0.0106368) |
| Kalimantan Tengah | Other malignant neoplasms                     | 10  | 308.2 (167.2, 504.1)       | 0.002650 (0.0014373, 0.0043340) | 275.3 (153.5, 438.9)     | 0.002536 (0.0014139, 0.0040434) |
| Kalimantan Tengah | Cerebrovascular disease                       | 10  | 85.4 (42.7, 150.2)         | 0.000734 (0.0003673, 0.0012913) | 90.9 (47.5, 155.4)       | 0.000837 (0.0004373, 0.0014316) |
| Kalimantan Tengah | Ischemic heart disease                        | 10  | 88.2 (43.1, 152.4)         | 0.000758 (0.0003707, 0.0013099) | 91.7 (47.9, 153.5)       | 0.000845 (0.0004409, 0.0014139) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 10  | 63.2 (27.5, 133.3)         | 0.000543 (0.0002364, 0.0011465) | 65.4 (29.4, 130.9)       | 0.000603 (0.0002708, 0.0012060) |
| Kalimantan Tengah | Diabetes mellitus                             | 10  | 44.3 (20.9, 81.0)          | 0.000381 (0.0001793, 0.0006963) | 135.0 (62.4, 254.0)      | 0.001244 (0.0005745, 0.0023400) |
| Kalimantan Tengah | Chronic kidney disease                        | 10  | 165.1 (97.5, 264.1)        | 0.001419 (0.0008384, 0.0022705) | 145.7 (87.0, 225.2)      | 0.001342 (0.0008015, 0.0020746) |
| Kalimantan Tengah | Cirrhosis                                     | 10  | 207.0 (117.5, 336.8)       | 0.001780 (0.0010104, 0.0028958) | 114.4 (50.5, 231.7)      | 0.001054 (0.0004654, 0.0021347) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 10  | 159.7 (77.2, 282.7)        | 0.001373 (0.0006635, 0.0024308) | 63.0 (28.8, 120.1)       | 0.000580 (0.0002657, 0.0011069) |
| Kalimantan Tengah | Other non-communicable diseases               | 10  | 779.2 (561.3, 1,018.4)     | 0.006700 (0.0048259, 0.0087560) | 742.3 (559.8, 960.0)     | 0.006839 (0.0051571, 0.0088443) |
| Kalimantan Tengah | Drowning                                      | 10  | 724.8 (391.1, 1,150.2)     | 0.006232 (0.0033623, 0.0098898) | 245.0 (112.9, 452.8)     | 0.002257 (0.0010400, 0.0041718) |
| Kalimantan Tengah | Falls                                         | 10  | 130.7 (56.9, 256.1)        | 0.001124 (0.0004896, 0.0022016) | 56.2 (23.3, 117.9)       | 0.000518 (0.0002145, 0.0010864) |
| Kalimantan Tengah | Interpersonal violence                        | 10  | 85.7 (43.8, 162.2)         | 0.000737 (0.0003762, 0.0013948) | 64.8 (29.2, 123.6)       | 0.000597 (0.0002693, 0.0011386) |
| Kalimantan Tengah | Self-harm                                     | 10  | 81.0 (30.1, 173.0)         | 0.000696 (0.0002586, 0.0014870) | 52.3 (19.2, 111.9)       | 0.000482 (0.0001770, 0.0010306) |
| Kalimantan Tengah | Transport injuries                            | 10  | 1,002.2 (617.3, 1,438.8)   | 0.008617 (0.0053078, 0.0123709) | 357.9 (197.1, 567.4)     | 0.003298 (0.0018155, 0.0052279) |
| Kalimantan Tengah | Other unintentional injuries                  | 10  | 445.3 (248.3, 712.9)       | 0.003829 (0.0021351, 0.0061296) | 193.9 (97.7, 327.3)      | 0.001786 (0.0009003, 0.0030157) |
| Kalimantan Tengah | Diarrheal diseases                            | 15  | 175.5 (67.4, 324.6)        | 0.001604 (0.0006158, 0.0029666) | 71.6 (27.5, 137.0)       | 0.000689 (0.0002643, 0.0013180) |
| Kalimantan Tengah | HIV/AIDS                                      | 15  | 43.2 (5.4, 149.4)          | 0.000395 (0.0000491, 0.0013656) | 12.7 (1.6, 45.1)         | 0.000122 (0.0000152, 0.0004336) |
| Kalimantan Tengah | Lower respiratory infections                  | 15  | 228.7 (84.3, 462.9)        | 0.002090 (0.0007703, 0.0042304) | 59.3 (21.6, 122.7)       | 0.000570 (0.0002074, 0.0011804) |
| Kalimantan Tengah | Malaria                                       | 15  | 195.5 (43.6, 520.1)        | 0.001787 (0.0003986, 0.0047535) | 57.9 (12.2, 167.2)       | 0.000557 (0.0001177, 0.0016083) |
| Kalimantan Tengah | Tuberculosis                                  | 15  | 557.2 (312.6, 901.0)       | 0.005092 (0.0028567, 0.0082337) | 150.9 (80.5, 258.6)      | 0.001451 (0.0007743, 0.0024872) |
| Kalimantan Tengah | Maternal disorders                            | 15  |                            |                                 | 892.1 (598.1, 1,243.1)   | 0.008580 (0.0057523, 0.0119554) |
| Kalimantan Tengah | Other communicable diseases                   | 15  | 1,028.8 (590.2, 1,542.6)   | 0.009402 (0.0053937, 0.0140969) | 289.8 (145.3, 499.8)     | 0.002788 (0.0013970, 0.0048068) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 15  | 61.7 (14.9, 161.1)         | 0.000564 (0.0001362, 0.0014724) | 22.0 (4.6, 56.4)         | 0.000212 (0.0000447, 0.0005423) |
| Kalimantan Tengah | Breast cancer                                 | 15  | 1.7 (0.1, 7.3)             | 0.000016 (0.0000014, 0.0000670) | 54.3 (12.1, 139.1)       | 0.000523 (0.0001165, 0.0013375) |
| Kalimantan Tengah | Cervical cancer                               | 15  |                            |                                 | 60.6 (9.3, 187.6)        | 0.000583 (0.0000893, 0.0018040) |
| Kalimantan Tengah | Other malignant neoplasms                     | 15  | 374.3 (190.7, 627.4)       | 0.003420 (0.0017428, 0.0057332) | 348.8 (170.1, 573.3)     | 0.003355 (0.0016360, 0.0055134) |
| Kalimantan Tengah | Cerebrovascular disease                       | 15  | 169.2 (85.2, 282.8)        | 0.001546 (0.0007786, 0.0025840) | 161.6 (85.5, 264.6)      | 0.001554 (0.0008221, 0.0025451) |
| Kalimantan Tengah | Ischemic heart disease                        | 15  | 303.7 (168.2, 493.8)       | 0.002775 (0.0015367, 0.0045124) | 238.3 (135.5, 372.6)     | 0.002292 (0.0013033, 0.0035836) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 15  | 104.7 (42.5, 219.9)        | 0.000957 (0.0003888, 0.0020091) | 108.2 (45.1, 216.9)      | 0.001040 (0.0004334, 0.0020857) |
| Kalimantan Tengah | Diabetes mellitus                             | 15  | 75.9 (36.2, 137.1)         | 0.000693 (0.0003311, 0.0012530) | 230.3 (108.7, 404.1)     | 0.002215 (0.0010458, 0.0038863) |
| Kalimantan Tengah | Chronic kidney disease                        | 15  | 259.3 (155.7, 409.0)       | 0.002370 (0.0014231, 0.0037381) | 231.9 (136.7, 356.5)     | 0.002230 (0.0013151, 0.0034282) |
| Kalimantan Tengah | Cirrhosis                                     | 15  | 272.9 (144.2, 456.8)       | 0.002494 (0.0013178, 0.0041745) | 152.4 (66.3, 299.4)      | 0.001466 (0.0006380, 0.0028795) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 15  | 149.9 (67.6, 267.2)        | 0.001370 (0.0006175, 0.0024416) | 73.4 (31.5, 137.3)       | 0.000706 (0.0003032, 0.0013204) |
| Kalimantan Tengah | Other non-communicable diseases               | 15  | 991.4 (668.1, 1,380.3)     | 0.009060 (0.0061053, 0.0126137) | 889.4 (638.2, 1,187.5)   | 0.008554 (0.0061381, 0.0114211) |
| Kalimantan Tengah | Drowning                                      | 15  | 456.7 (205.6, 879.5)       | 0.004174 (0.0018787, 0.0080372) | 149.2 (59.0, 307.2)      | 0.001435 (0.0005679, 0.0029549) |
| Kalimantan Tengah | Falls                                         | 15  | 137.1 (61.0, 270.9)        | 0.001253 (0.0005577, 0.0024759) | 60.1 (26.5, 121.9)       | 0.000578 (0.0002546, 0.0011727) |
| Kalimantan Tengah | Interpersonal violence                        | 15  | 223.9 (115.0, 404.1)       | 0.002046 (0.0010512, 0.0036930) | 174.7 (78.2, 328.2)      | 0.001680 (0.0007521, 0.0031563) |
| Kalimantan Tengah | Self-harm                                     | 15  | 180.7 (75.9, 335.3)        | 0.001652 (0.0006932, 0.0030640) | 120.4 (49.5, 236.8)      | 0.001158 (0.0004764, 0.0022773) |
| Kalimantan Tengah | Transport injuries                            | 15  | 3,126.3 (2,233.3, 4,199.3) | 0.028570 (0.0204089, 0.0383762) | 1,289.0 (898.8, 1,741.6) | 0.012397 (0.0086444, 0.0167495) |



Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Other unintentional injuries                  | 15  | 740.3 (418.0, 1,177.6)     | 0.006766 (0.0038200, 0.0107621) | 328.9 (175.1, 524.0)     | 0.003163 (0.0016841, 0.0050395) |
| Kalimantan Tengah | Diarrheal diseases                            | 20  | 191.2 (80.3, 366.0)        | 0.001702 (0.0007149, 0.0032568) | 128.6 (54.8, 232.7)      | 0.001161 (0.0004946, 0.0021004) |
| Kalimantan Tengah | HIV/AIDS                                      | 20  | 169.6 (26.5, 498.1)        | 0.001510 (0.0002362, 0.0044319) | 77.9 (12.4, 247.6)       | 0.000703 (0.0001118, 0.0022352) |
| Kalimantan Tengah | Lower respiratory infections                  | 20  | 275.7 (91.2, 583.3)        | 0.002454 (0.0008116, 0.0051903) | 102.8 (34.5, 207.2)      | 0.000928 (0.0003119, 0.0018707) |
| Kalimantan Tengah | Malaria                                       | 20  | 254.3 (55.3, 683.0)        | 0.002263 (0.0004924, 0.0060771) | 123.0 (25.7, 335.2)      | 0.001110 (0.0002321, 0.0030262) |
| Kalimantan Tengah | Tuberculosis                                  | 20  | 1,280.8 (780.4, 1,960.1)   | 0.011397 (0.0069443, 0.0174414) | 478.5 (277.7, 739.9)     | 0.004320 (0.0025069, 0.0066800) |
| Kalimantan Tengah | Maternal disorders                            | 20  |                            |                                 | 835.0 (521.5, 1,245.4)   | 0.007539 (0.0047084, 0.0112433) |
| Kalimantan Tengah | Other communicable diseases                   | 20  | 1,478.5 (870.6, 2,272.1)   | 0.013156 (0.0077466, 0.0202177) | 686.2 (397.9, 1,038.5)   | 0.006195 (0.0035922, 0.0093754) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 20  | 48.6 (10.4, 144.0)         | 0.000432 (0.0000925, 0.0012815) | 40.6 (10.4, 106.1)       | 0.000367 (0.0000943, 0.0009576) |
| Kalimantan Tengah | Breast cancer                                 | 20  | 2.3 (0.4, 7.5)             | 0.000020 (0.0000035, 0.0000672) | 178.0 (63.3, 360.1)      | 0.001607 (0.0005712, 0.0032510) |
| Kalimantan Tengah | Cervical cancer                               | 20  |                            |                                 | 119.7 (24.0, 301.1)      | 0.001080 (0.0002163, 0.0027186) |
| Kalimantan Tengah | Other malignant neoplasms                     | 20  | 362.0 (187.3, 614.7)       | 0.003221 (0.0016665, 0.0054693) | 418.5 (183.4, 736.5)     | 0.003778 (0.0016554, 0.0066490) |
| Kalimantan Tengah | Cerebrovascular disease                       | 20  | 337.9 (192.9, 553.2)       | 0.003007 (0.0017162, 0.0049222) | 303.3 (184.6, 456.0)     | 0.002738 (0.0016662, 0.0041163) |
| Kalimantan Tengah | Ischemic heart disease                        | 20  | 571.1 (340.7, 910.6)       | 0.005082 (0.0030317, 0.0081024) | 336.1 (201.3, 535.8)     | 0.003034 (0.0018176, 0.0048374) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 20  | 165.4 (68.3, 315.6)        | 0.001472 (0.0006075, 0.0028087) | 182.0 (85.1, 336.6)      | 0.001643 (0.0007683, 0.0030390) |
| Kalimantan Tengah | Diabetes mellitus                             | 20  | 76.3 (36.0, 125.1)         | 0.000679 (0.0003205, 0.0011133) | 248.0 (118.2, 432.7)     | 0.002239 (0.0010675, 0.0039063) |
| Kalimantan Tengah | Chronic kidney disease                        | 20  | 412.9 (250.7, 647.4)       | 0.003674 (0.0022304, 0.0057603) | 385.0 (245.4, 572.7)     | 0.003475 (0.0022156, 0.0051706) |
| Kalimantan Tengah | Cirrhosis                                     | 20  | 470.0 (263.2, 766.0)       | 0.004182 (0.0023416, 0.0068164) | 279.2 (120.0, 543.7)     | 0.002520 (0.0010831, 0.0049082) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 20  | 340.6 (166.6, 592.3)       | 0.003031 (0.0014821, 0.0052701) | 216.8 (103.7, 371.4)     | 0.001957 (0.0009365, 0.0033534) |
| Kalimantan Tengah | Other non-communicable diseases               | 20  | 991.1 (661.4, 1,458.8)     | 0.008819 (0.0058852, 0.0129807) | 897.5 (643.3, 1,243.2)   | 0.008103 (0.0058076, 0.0112239) |
| Kalimantan Tengah | Drowning                                      | 20  | 414.1 (158.5, 826.3)       | 0.003685 (0.0014105, 0.0073530) | 121.0 (41.7, 248.0)      | 0.001093 (0.0003768, 0.0022391) |
| Kalimantan Tengah | Falls                                         | 20  | 159.6 (68.8, 310.4)        | 0.001420 (0.0006123, 0.0027617) | 63.1 (26.8, 125.9)       | 0.000569 (0.0002424, 0.0011364) |
| Kalimantan Tengah | Interpersonal violence                        | 20  | 277.3 (144.5, 503.8)       | 0.002467 (0.0012856, 0.0044831) | 189.7 (88.3, 351.8)      | 0.001712 (0.0007974, 0.0031761) |
| Kalimantan Tengah | Self-harm                                     | 20  | 187.9 (82.8, 368.1)        | 0.001672 (0.0007367, 0.0032757) | 109.6 (46.3, 219.0)      | 0.000989 (0.0004181, 0.0019768) |
| Kalimantan Tengah | Transport injuries                            | 20  | 2,907.8 (1,914.8, 4,170.5) | 0.025874 (0.0170380, 0.0371099) | 1,009.4 (631.9, 1,464.8) | 0.009112 (0.0057044, 0.0132245) |
| Kalimantan Tengah | Other unintentional injuries                  | 20  | 905.4 (508.9, 1,483.6)     | 0.008056 (0.0045282, 0.0132015) | 357.6 (184.1, 579.9)     | 0.003229 (0.0016620, 0.0052352) |
| Kalimantan Tengah | Diarrheal diseases                            | 25  | 299.2 (140.2, 576.1)       | 0.002387 (0.0011181, 0.0045960) | 214.0 (100.9, 387.3)     | 0.001813 (0.0008551, 0.0032811) |
| Kalimantan Tengah | HIV/AIDS                                      | 25  | 341.3 (60.0, 910.1)        | 0.002723 (0.0004789, 0.0072598) | 163.1 (28.5, 460.7)      | 0.001382 (0.0002410, 0.0039029) |
| Kalimantan Tengah | Lower respiratory infections                  | 25  | 308.9 (100.7, 659.5)       | 0.002464 (0.0008031, 0.0052614) | 124.3 (40.1, 264.8)      | 0.001053 (0.0003394, 0.0022429) |
| Kalimantan Tengah | Malaria                                       | 25  | 304.5 (68.0, 839.6)        | 0.002429 (0.0005423, 0.0066979) | 146.8 (29.9, 399.2)      | 0.001244 (0.0002529, 0.0033818) |
| Kalimantan Tengah | Tuberculosis                                  | 25  | 1,906.3 (1,205.8, 2,789.3) | 0.015207 (0.0096191, 0.0222511) | 715.3 (413.6, 1,107.5)   | 0.006059 (0.0035035, 0.0093821) |
| Kalimantan Tengah | Maternal disorders                            | 25  |                            |                                 | 973.5 (616.2, 1,477.0)   | 0.008247 (0.0052203, 0.0125124) |
| Kalimantan Tengah | Other communicable diseases                   | 25  | 1,718.2 (1,060.7, 2,608.0) | 0.013707 (0.0084618, 0.0208046) | 866.3 (500.8, 1,335.7)   | 0.007339 (0.0042429, 0.0113154) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 25  | 58.5 (11.5, 179.6)         | 0.000467 (0.0000914, 0.0014323) | 58.4 (14.7, 151.6)       | 0.000494 (0.0001244, 0.0012839) |
| Kalimantan Tengah | Breast cancer                                 | 25  | 2.8 (0.5, 8.5)             | 0.000022 (0.0000044, 0.0000680) | 369.3 (153.3, 682.6)     | 0.003128 (0.0012984, 0.0057830) |
| Kalimantan Tengah | Cervical cancer                               | 25  |                            |                                 | 204.6 (44.6, 493.2)      | 0.001733 (0.0003775, 0.0041783) |
| Kalimantan Tengah | Other malignant neoplasms                     | 25  | 585.1 (318.7, 965.7)       | 0.004668 (0.0025422, 0.0077038) | 481.3 (201.4, 895.8)     | 0.004078 (0.0017066, 0.0075886) |
| Kalimantan Tengah | Cerebrovascular disease                       | 25  | 637.8 (402.2, 952.0)       | 0.005088 (0.0032085, 0.0075945) | 541.1 (350.9, 778.1)     | 0.004584 (0.0029725, 0.0065913) |
| Kalimantan Tengah | Ischemic heart disease                        | 25  | 1,099.9 (723.5, 1,629.2)   | 0.008774 (0.0057717, 0.0129964) | 593.2 (351.3, 915.3)     | 0.005025 (0.0029764, 0.0077540) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 25  | 238.9 (110.7, 430.9)       | 0.001906 (0.0008835, 0.0034375) | 245.9 (118.0, 438.9)     | 0.002083 (0.0009999, 0.0037185) |
| Kalimantan Tengah | Diabetes mellitus                             | 25  | 144.2 (79.6, 219.9)        | 0.001150 (0.0006349, 0.0017541) | 420.1 (212.2, 704.5)     | 0.003559 (0.0017979, 0.0059679) |
| Kalimantan Tengah | Chronic kidney disease                        | 25  | 526.8 (340.4, 788.1)       | 0.004202 (0.0027151, 0.0062868) | 437.9 (280.9, 653.7)     | 0.003710 (0.0023801, 0.0055375) |
| Kalimantan Tengah | Cirrhosis                                     | 25  | 719.0 (439.5, 1,150.2)     | 0.005736 (0.0035061, 0.0091758) | 402.1 (179.5, 778.8)     | 0.003406 (0.0015210, 0.0065975) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 25  | 491.7 (246.4, 830.7)       | 0.003923 (0.0019654, 0.0066269) | 286.0 (137.8, 495.1)     | 0.002423 (0.0011674, 0.0041942) |
| Kalimantan Tengah | Other non-communicable diseases               | 25  | 1,241.2 (859.9, 1,774.2)   | 0.009902 (0.0068597, 0.0141535) | 1,058.8 (717.5, 1,476.1) | 0.008970 (0.0060787, 0.0125044) |
| Kalimantan Tengah | Drowning                                      | 25  | 277.5 (100.3, 596.4)       | 0.002214 (0.0008003, 0.0047577) | 81.0 (27.2, 178.8)       | 0.000686 (0.0002306, 0.0015143) |
| Kalimantan Tengah | Falls                                         | 25  | 230.5 (104.5, 431.5)       | 0.001839 (0.0008333, 0.0034425) | 88.6 (39.3, 168.0)       | 0.000751 (0.0003327, 0.0014229) |
| Kalimantan Tengah | Interpersonal violence                        | 25  | 295.2 (156.9, 514.7)       | 0.002355 (0.0012516, 0.0041056) | 174.7 (79.8, 326.1)      | 0.001480 (0.0006762, 0.0027622) |
| Kalimantan Tengah | Self-harm                                     | 25  | 186.4 (79.6, 374.6)        | 0.001487 (0.0006351, 0.0029881) | 92.0 (35.6, 193.6)       | 0.000780 (0.0003016, 0.0016398) |
| Kalimantan Tengah | Transport injuries                            | 25  | 2,058.4 (1,277.1, 3,082.5) | 0.016421 (0.0101879, 0.0245902) | 618.9 (350.4, 982.8)     | 0.005243 (0.0029687, 0.0083261) |
| Kalimantan Tengah | Other unintentional injuries                  | 25  | 1,120.7 (642.3, 1,826.5)   | 0.008940 (0.0051236, 0.0145710) | 403.5 (202.0, 680.7)     | 0.003418 (0.0017110, 0.0057662) |
| Kalimantan Tengah | Diarrheal diseases                            | 30  | 306.0 (142.2, 562.8)       | 0.002629 (0.0012217, 0.0048352) | 209.9 (92.6, 388.3)      | 0.002041 (0.0009008, 0.0037759) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Kalimantan Tengah | HIV/AIDS                                      | 30  | 313.3 (55.8, 815.5)        | 0.002692 (0.0004793, 0.0070066) | 147.6 (26.5, 417.8)      | 0.001435 (0.0002579, 0.0040623) |
| Kalimantan Tengah | Lower respiratory infections                  | 30  | 252.7 (84.2, 544.7)        | 0.002171 (0.0007231, 0.0046798) | 102.5 (31.8, 219.6)      | 0.000997 (0.0003095, 0.0021357) |
| Kalimantan Tengah | Malaria                                       | 30  | 241.6 (55.3, 642.0)        | 0.002076 (0.0004755, 0.0055156) | 108.4 (23.1, 305.3)      | 0.001054 (0.0002244, 0.0029690) |
| Kalimantan Tengah | Tuberculosis                                  | 30  | 1,704.7 (1,116.9, 2,490.3) | 0.014646 (0.0095964, 0.0213961) | 620.6 (354.2, 966.9)     | 0.006034 (0.0034443, 0.0094014) |
| Kalimantan Tengah | Maternal disorders                            | 30  |                            |                                 | 1,002.2 (602.3, 1,495.0) | 0.009745 (0.0058562, 0.0145364) |
| Kalimantan Tengah | Other communicable diseases                   | 30  | 1,106.4 (625.8, 1,746.2)   | 0.009506 (0.0053764, 0.0150030) | 539.1 (285.6, 868.2)     | 0.005242 (0.0027775, 0.0084416) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 30  | 116.6 (25.4, 304.9)        | 0.001002 (0.0002182, 0.0026199) | 61.8 (17.0, 161.9)       | 0.000601 (0.0001652, 0.0015744) |
| Kalimantan Tengah | Breast cancer                                 | 30  | 3.7 (0.6, 12.8)            | 0.000032 (0.0000049, 0.0001103) | 529.6 (232.2, 932.9)     | 0.005149 (0.0022574, 0.0090712) |
| Kalimantan Tengah | Cervical cancer                               | 30  |                            |                                 | 278.3 (71.1, 630.6)      | 0.002706 (0.0006909, 0.0061318) |
| Kalimantan Tengah | Other malignant neoplasms                     | 30  | 735.5 (415.7, 1,160.5)     | 0.006319 (0.0035716, 0.0099704) | 453.3 (185.2, 877.3)     | 0.004408 (0.0018007, 0.0085307) |
| Kalimantan Tengah | Cerebrovascular disease                       | 30  | 918.2 (610.5, 1,301.3)     | 0.007889 (0.0052449, 0.0111805) | 793.6 (522.3, 1,110.3)   | 0.007717 (0.0050785, 0.0107962) |
| Kalimantan Tengah | Ischemic heart disease                        | 30  | 1,439.8 (981.9, 2,111.0)   | 0.012371 (0.0084366, 0.0181373) | 798.6 (486.6, 1,204.2)   | 0.007765 (0.0047311, 0.0117090) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 30  | 271.1 (131.7, 486.0)       | 0.002330 (0.0011319, 0.0041753) | 279.5 (133.4, 496.4)     | 0.002718 (0.0012969, 0.0048264) |
| Kalimantan Tengah | Diabetes mellitus                             | 30  | 223.1 (130.1, 333.2)       | 0.001917 (0.0011175, 0.0028627) | 631.5 (335.5, 1,036.7)   | 0.006141 (0.0032627, 0.0100809) |
| Kalimantan Tengah | Chronic kidney disease                        | 30  | 541.7 (355.8, 812.5)       | 0.004654 (0.0030571, 0.0069807) | 442.0 (283.0, 668.0)     | 0.004298 (0.0027517, 0.0064950) |
| Kalimantan Tengah | Cirrhosis                                     | 30  | 864.3 (541.6, 1,338.6)     | 0.007426 (0.0046532, 0.0115011) | 487.3 (223.6, 910.3)     | 0.004738 (0.0021746, 0.0088511) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 30  | 477.0 (244.7, 802.7)       | 0.004099 (0.0021022, 0.0068963) | 275.1 (134.1, 461.8)     | 0.002675 (0.0013037, 0.0044908) |
| Kalimantan Tengah | Other non-communicable diseases               | 30  | 1,187.9 (829.3, 1,708.1)   | 0.010206 (0.0071249, 0.0146757) | 1,026.9 (676.6, 1,451.7) | 0.009985 (0.0065789, 0.0141155) |
| Kalimantan Tengah | Drowning                                      | 30  | 266.9 (97.0, 565.7)        | 0.002293 (0.0008333, 0.0048606) | 86.9 (27.0, 197.6)       | 0.000845 (0.0002630, 0.0019210) |
| Kalimantan Tengah | Falls                                         | 30  | 240.4 (113.0, 438.2)       | 0.002066 (0.0009712, 0.0037646) | 100.6 (43.6, 194.9)      | 0.000978 (0.0004236, 0.0018953) |
| Kalimantan Tengah | Interpersonal violence                        | 30  | 213.4 (108.0, 382.2)       | 0.001833 (0.0009278, 0.0032838) | 129.6 (58.7, 253.5)      | 0.001260 (0.0005707, 0.0024651) |
| Kalimantan Tengah | Self-harm                                     | 30  | 132.7 (57.6, 271.0)        | 0.001140 (0.0004948, 0.0023287) | 66.6 (25.2, 138.4)       | 0.000648 (0.0002447, 0.0013453) |
| Kalimantan Tengah | Transport injuries                            | 30  | 1,580.7 (956.3, 2,409.7)   | 0.013581 (0.0082163, 0.0207039) | 499.3 (269.3, 793.7)     | 0.004855 (0.0026182, 0.0077176) |
| Kalimantan Tengah | Other unintentional injuries                  | 30  | 932.0 (530.8, 1,550.1)     | 0.008007 (0.0045607, 0.0133177) | 351.9 (172.2, 592.5)     | 0.003422 (0.0016748, 0.0057611) |
| Kalimantan Tengah | Diarrheal diseases                            | 35  | 242.9 (108.6, 449.1)       | 0.002321 (0.0010374, 0.0042916) | 257.4 (119.7, 475.7)     | 0.002885 (0.0013410, 0.0053310) |
| Kalimantan Tengah | HIV/AIDS                                      | 35  | 252.9 (45.0, 714.5)        | 0.002416 (0.0004300, 0.0068275) | 174.0 (30.8, 507.3)      | 0.001950 (0.0003454, 0.0056848) |
| Kalimantan Tengah | Lower respiratory infections                  | 35  | 245.8 (82.7, 518.4)        | 0.002349 (0.0007901, 0.0049534) | 148.2 (48.1, 310.0)      | 0.001661 (0.0005390, 0.0034737) |
| Kalimantan Tengah | Malaria                                       | 35  | 200.3 (45.0, 534.1)        | 0.001914 (0.0004295, 0.0051031) | 130.1 (26.9, 363.0)      | 0.001458 (0.0003020, 0.0040676) |
| Kalimantan Tengah | Tuberculosis                                  | 35  | 1,732.4 (1,122.5, 2,480.7) | 0.016554 (0.0107259, 0.0237034) | 865.0 (506.2, 1,324.0)   | 0.009694 (0.0056731, 0.0148382) |
| Kalimantan Tengah | Maternal disorders                            | 35  |                            |                                 | 460.5 (246.2, 766.3)     | 0.005161 (0.0027586, 0.0085883) |
| Kalimantan Tengah | Other communicable diseases                   | 35  | 886.7 (504.1, 1,423.6)     | 0.008473 (0.0048168, 0.0136030) | 679.5 (375.9, 1,061.5)   | 0.007615 (0.0042121, 0.0118958) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 35  | 79.2 (17.8, 211.4)         | 0.000757 (0.0001700, 0.0020203) | 77.6 (22.2, 191.0)       | 0.000870 (0.0002487, 0.0021407) |
| Kalimantan Tengah | Breast cancer                                 | 35  | 6.3 (1.1, 19.4)            | 0.000060 (0.0000104, 0.0001857) | 757.4 (359.7, 1,305.0)   | 0.008488 (0.0040313, 0.0146244) |
| Kalimantan Tengah | Cervical cancer                               | 35  |                            |                                 | 379.1 (103.0, 803.8)     | 0.004248 (0.0011548, 0.0090081) |
| Kalimantan Tengah | Other malignant neoplasms                     | 35  | 881.1 (506.8, 1,365.6)     | 0.008419 (0.0048427, 0.0130481) | 480.0 (194.1, 978.8)     | 0.005380 (0.0021748, 0.0109697) |
| Kalimantan Tengah | Cerebrovascular disease                       | 35  | 1,385.9 (974.1, 1,914.5)   | 0.013242 (0.0093080, 0.0182934) | 1,233.1 (833.5, 1,737.3) | 0.013820 (0.0093404, 0.0194699) |
| Kalimantan Tengah | Ischemic heart disease                        | 35  | 2,053.2 (1,464.0, 2,891.5) | 0.019619 (0.0139889, 0.0276291) | 1,114.7 (695.5, 1,654.4) | 0.012492 (0.0077947, 0.0185403) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 35  | 327.5 (164.7, 579.4)       | 0.003129 (0.0015737, 0.0055360) | 350.0 (170.3, 610.8)     | 0.003923 (0.0019085, 0.0068449) |
| Kalimantan Tengah | Diabetes mellitus                             | 35  | 399.7 (244.6, 572.5)       | 0.003819 (0.0023369, 0.0054702) | 1,101.3 (614.3, 1,749.9) | 0.012342 (0.0068845, 0.0196105) |
| Kalimantan Tengah | Chronic kidney disease                        | 35  | 618.6 (419.6, 910.1)       | 0.005911 (0.0040094, 0.0086965) | 499.8 (322.6, 736.0)     | 0.005601 (0.0036152, 0.0082478) |
| Kalimantan Tengah | Cirrhosis                                     | 35  | 1,014.8 (658.2, 1,567.6)   | 0.009697 (0.0062896, 0.0149784) | 595.7 (281.8, 1,116.2)   | 0.006676 (0.0031582, 0.0125087) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 35  | 529.2 (276.5, 865.5)       | 0.005057 (0.0026419, 0.0082703) | 311.1 (149.5, 528.2)     | 0.003486 (0.0016754, 0.0059197) |
| Kalimantan Tengah | Other non-communicable diseases               | 35  | 1,168.0 (812.5, 1,653.9)   | 0.011161 (0.0077638, 0.0158032) | 1,047.2 (693.1, 1,496.0) | 0.011736 (0.0077669, 0.0167657) |
| Kalimantan Tengah | Drowning                                      | 35  | 294.6 (109.8, 594.7)       | 0.002815 (0.0010489, 0.0056821) | 115.5 (40.2, 253.1)      | 0.001294 (0.0004503, 0.0028364) |
| Kalimantan Tengah | Falls                                         | 35  | 218.9 (104.4, 390.2)       | 0.002092 (0.0009978, 0.0037283) | 106.0 (46.6, 200.6)      | 0.001188 (0.0005217, 0.0022478) |
| Kalimantan Tengah | Interpersonal violence                        | 35  | 177.7 (91.2, 331.1)        | 0.001698 (0.0008712, 0.0031634) | 111.1 (48.9, 214.9)      | 0.001245 (0.0005480, 0.0024078) |
| Kalimantan Tengah | Self-harm                                     | 35  | 119.5 (49.5, 241.0)        | 0.001142 (0.0004726, 0.0023030) | 60.6 (22.7, 126.4)       | 0.000679 (0.0002549, 0.0014164) |
| Kalimantan Tengah | Transport injuries                            | 35  | 1,177.4 (692.3, 1,791.3)   | 0.011251 (0.0066150, 0.0171161) | 406.1 (214.0, 661.5)     | 0.004552 (0.0023982, 0.0074131) |
| Kalimantan Tengah | Other unintentional injuries                  | 35  | 826.9 (455.4, 1,329.6)     | 0.007901 (0.0043514, 0.0127046) | 336.8 (166.2, 583.7)     | 0.003774 (0.0018629, 0.0065411) |
| Kalimantan Tengah | Diarrheal diseases                            | 40  | 232.1 (101.8, 417.4)       | 0.002757 (0.0012090, 0.0049579) | 275.1 (130.8, 501.9)     | 0.003863 (0.0018365, 0.0070463) |
| Kalimantan Tengah | HIV/AIDS                                      | 40  | 117.0 (19.0, 366.4)        | 0.001390 (0.0002258, 0.0043514) | 90.9 (14.5, 291.0)       | 0.001276 (0.0002035, 0.0040863) |
| Kalimantan Tengah | Lower respiratory infections                  | 40  | 201.9 (68.9, 437.3)        | 0.002398 (0.0008180, 0.0051945) | 146.9 (46.8, 304.7)      | 0.002062 (0.0006571, 0.0042779) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Malaria                                       | 40  | 182.7 (43.3, 491.9)        | 0.002170 (0.0005146, 0.0058428) | 126.0 (27.2, 353.0)        | 0.001768 (0.0003824, 0.0049566) |
| Kalimantan Tengah | Tuberculosis                                  | 40  | 1,373.9 (901.4, 1,993.6)   | 0.016319 (0.0107063, 0.0236783) | 787.0 (473.7, 1,200.8)     | 0.011050 (0.0066503, 0.0168591) |
| Kalimantan Tengah | Maternal disorders                            | 40  |                            |                                 | 60.7 (27.6, 118.7)         | 0.000852 (0.0003877, 0.0016669) |
| Kalimantan Tengah | Other communicable diseases                   | 40  | 752.9 (403.2, 1,219.4)     | 0.008942 (0.0047894, 0.0144827) | 656.2 (365.0, 1,036.8)     | 0.009213 (0.0051253, 0.0145576) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 40  | 144.4 (44.3, 350.4)        | 0.001715 (0.0005256, 0.0041616) | 83.1 (24.4, 206.3)         | 0.001166 (0.0003432, 0.0028966) |
| Kalimantan Tengah | Breast cancer                                 | 40  | 12.5 (2.8, 35.0)           | 0.000148 (0.0000338, 0.0004159) | 823.0 (412.8, 1,384.7)     | 0.011556 (0.0057962, 0.0194415) |
| Kalimantan Tengah | Cervical cancer                               | 40  |                            |                                 | 381.4 (111.7, 826.2)       | 0.005355 (0.0015682, 0.0116001) |
| Kalimantan Tengah | Other malignant neoplasms                     | 40  | 1,165.4 (676.9, 1,814.2)   | 0.013842 (0.0080393, 0.0215481) | 415.2 (164.6, 847.0)       | 0.005830 (0.0023108, 0.0118915) |
| Kalimantan Tengah | Cerebrovascular disease                       | 40  | 1,960.3 (1,387.3, 2,677.8) | 0.023283 (0.0164769, 0.0318045) | 1,619.8 (1,135.6, 2,209.5) | 0.022742 (0.0159449, 0.0310223) |
| Kalimantan Tengah | Ischemic heart disease                        | 40  | 2,634.3 (1,905.9, 3,720.5) | 0.031288 (0.0226372, 0.0441898) | 1,428.2 (936.3, 2,070.8)   | 0.020053 (0.0131456, 0.0290747) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 40  | 430.3 (223.5, 743.1)       | 0.005111 (0.0026546, 0.0088266) | 399.6 (199.6, 696.3)       | 0.005611 (0.0028031, 0.0097763) |
| Kalimantan Tengah | Diabetes mellitus                             | 40  | 764.1 (487.2, 1,080.8)     | 0.009076 (0.0057869, 0.0128372) | 1,776.0 (1,055.5, 2,625.9) | 0.024935 (0.0148191, 0.0368690) |
| Kalimantan Tengah | Chronic kidney disease                        | 40  | 726.2 (495.9, 1,049.6)     | 0.008625 (0.0058898, 0.0124669) | 515.9 (338.4, 748.1)       | 0.007244 (0.0047517, 0.0105030) |
| Kalimantan Tengah | Cirrhosis                                     | 40  | 1,123.8 (725.7, 1,741.6)   | 0.013348 (0.0086191, 0.0206856) | 606.0 (293.1, 1,132.0)     | 0.008509 (0.0041155, 0.0158936) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 40  | 609.6 (325.2, 988.1)       | 0.007241 (0.0038625, 0.0117361) | 298.0 (150.5, 491.0)       | 0.004185 (0.0021133, 0.0068937) |
| Kalimantan Tengah | Other non-communicable diseases               | 40  | 1,157.6 (795.8, 1,663.7)   | 0.013750 (0.0094521, 0.0197600) | 937.7 (631.0, 1,328.5)     | 0.013166 (0.0088593, 0.0186521) |
| Kalimantan Tengah | Drowning                                      | 40  | 130.8 (47.2, 285.5)        | 0.001554 (0.0005610, 0.0033904) | 53.9 (18.2, 123.3)         | 0.000757 (0.0002560, 0.0017306) |
| Kalimantan Tengah | Falls                                         | 40  | 163.5 (72.9, 308.5)        | 0.001942 (0.0008655, 0.0036644) | 80.9 (35.6, 153.9)         | 0.001137 (0.0004996, 0.0021609) |
| Kalimantan Tengah | Interpersonal violence                        | 40  | 126.1 (61.5, 237.9)        | 0.001498 (0.0007310, 0.0028255) | 72.6 (31.7, 144.5)         | 0.001019 (0.0004445, 0.0020294) |
| Kalimantan Tengah | Self-harm                                     | 40  | 97.2 (40.4, 203.2)         | 0.001155 (0.0004793, 0.0024136) | 44.7 (15.8, 95.4)          | 0.000628 (0.0002212, 0.0013394) |
| Kalimantan Tengah | Transport injuries                            | 40  | 821.9 (448.4, 1,282.6)     | 0.009762 (0.0053253, 0.0152342) | 278.6 (143.7, 464.5)       | 0.003912 (0.0020171, 0.0065220) |
| Kalimantan Tengah | Other unintentional injuries                  | 40  | 588.3 (317.4, 952.9)       | 0.006988 (0.0037695, 0.0113174) | 229.9 (110.6, 386.0)       | 0.003229 (0.0015530, 0.0054200) |
| Kalimantan Tengah | Diarrheal diseases                            | 45  | 204.0 (90.4, 382.9)        | 0.003135 (0.0013897, 0.0058839) | 275.5 (133.1, 488.7)       | 0.004885 (0.0023595, 0.0086665) |
| Kalimantan Tengah | HIV/AIDS                                      | 45  | 51.1 (7.2, 161.9)          | 0.000785 (0.0001104, 0.0024883) | 47.3 (6.9, 163.3)          | 0.000839 (0.0001228, 0.0028953) |
| Kalimantan Tengah | Lower respiratory infections                  | 45  | 196.7 (69.2, 417.8)        | 0.003022 (0.0010630, 0.0064191) | 183.4 (64.3, 370.4)        | 0.003252 (0.0011394, 0.005685)  |
| Kalimantan Tengah | Malaria                                       | 45  | 144.2 (31.2, 393.2)        | 0.002215 (0.0004795, 0.0060413) | 105.0 (22.0, 305.0)        | 0.001863 (0.0003899, 0.0054085) |
| Kalimantan Tengah | Tuberculosis                                  | 45  | 1,231.6 (803.4, 1,792.7)   | 0.018924 (0.0123444, 0.0275469) | 838.6 (522.5, 1,244.3)     | 0.014871 (0.0092653, 0.0220656) |
| Kalimantan Tengah | Maternal disorders                            | 45  |                            |                                 | 22.1 (8.3, 47.1)           | 0.000391 (0.0001470, 0.0008344) |
| Kalimantan Tengah | Other communicable diseases                   | 45  | 563.0 (292.6, 935.1)       | 0.008650 (0.0044959, 0.0143678) | 572.9 (320.3, 905.3)       | 0.010158 (0.0056794, 0.0160545) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 45  | 238.8 (76.2, 549.0)        | 0.003669 (0.0011715, 0.0084359) | 92.7 (28.6, 225.0)         | 0.001644 (0.0005076, 0.0039891) |
| Kalimantan Tengah | Breast cancer                                 | 45  | 15.7 (4.1, 39.1)           | 0.000241 (0.0000629, 0.0006003) | 697.3 (333.1, 1,178.2)     | 0.012365 (0.0059072, 0.0208937) |
| Kalimantan Tengah | Cervical cancer                               | 45  |                            |                                 | 320.8 (90.6, 690.5)        | 0.005688 (0.0016064, 0.0122451) |
| Kalimantan Tengah | Other malignant neoplasms                     | 45  | 1,016.0 (578.1, 1,597.6)   | 0.015611 (0.0088824, 0.0245484) | 338.6 (126.5, 710.3)       | 0.006004 (0.0022440, 0.0125954) |
| Kalimantan Tengah | Cerebrovascular disease                       | 45  | 2,304.5 (1,647.1, 3,132.4) | 0.035410 (0.0253086, 0.0481322) | 2,118.9 (1,531.9, 2,792.1) | 0.037575 (0.0271646, 0.0495128) |
| Kalimantan Tengah | Ischemic heart disease                        | 45  | 2,729.5 (1,927.0, 3,818.2) | 0.041942 (0.0296096, 0.0586698) | 1,724.8 (1,185.1, 2,448.8) | 0.030586 (0.0210149, 0.0434251) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 45  | 476.1 (252.8, 830.4)       | 0.007315 (0.0038843, 0.0127595) | 462.9 (233.0, 808.8)       | 0.008209 (0.0041315, 0.0143425) |
| Kalimantan Tengah | Diabetes mellitus                             | 45  | 1,053.1 (670.9, 1,457.7)   | 0.016182 (0.0103086, 0.0223992) | 2,507.6 (1,630.8, 3,575.2) | 0.044467 (0.0289182, 0.0633998) |
| Kalimantan Tengah | Chronic kidney disease                        | 45  | 677.7 (457.6, 977.9)       | 0.010414 (0.0070311, 0.0150255) | 509.7 (345.8, 718.2)       | 0.009038 (0.0061320, 0.0127367) |
| Kalimantan Tengah | Cirrhosis                                     | 45  | 980.3 (610.6, 1,485.8)     | 0.015063 (0.0093820, 0.0228304) | 593.4 (286.4, 1,114.8)     | 0.010523 (0.0050788, 0.0197686) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 45  | 665.1 (366.9, 1,070.0)     | 0.010221 (0.0056378, 0.0164413) | 348.2 (181.4, 560.0)       | 0.006175 (0.0032172, 0.0099306) |
| Kalimantan Tengah | Other non-communicable diseases               | 45  | 984.9 (673.3, 1,406.1)     | 0.015134 (0.0103456, 0.0216056) | 867.6 (591.9, 1,218.6)     | 0.015385 (0.0104957, 0.0216089) |
| Kalimantan Tengah | Drowning                                      | 45  | 71.4 (24.0, 161.2)         | 0.001097 (0.0003682, 0.0024772) | 38.6 (12.0, 87.4)          | 0.000684 (0.0002132, 0.0015493) |
| Kalimantan Tengah | Falls                                         | 45  | 148.9 (67.5, 270.0)        | 0.002288 (0.0010370, 0.0041488) | 92.9 (42.4, 174.5)         | 0.001647 (0.0007523, 0.0030936) |
| Kalimantan Tengah | Interpersonal violence                        | 45  | 94.5 (41.4, 188.6)         | 0.001452 (0.0006365, 0.0028979) | 59.4 (25.9, 116.0)         | 0.001054 (0.0004595, 0.0020573) |
| Kalimantan Tengah | Self-harm                                     | 45  | 83.6 (32.7, 176.8)         | 0.001285 (0.0005026, 0.0027163) | 41.1 (14.9, 88.2)          | 0.000728 (0.0002642, 0.0015641) |
| Kalimantan Tengah | Transport injuries                            | 45  | 688.0 (364.4, 1,108.9)     | 0.010571 (0.0055990, 0.0170388) | 281.0 (147.0, 471.0)       | 0.004983 (0.0026067, 0.0083523) |
| Kalimantan Tengah | Other unintentional injuries                  | 45  | 469.9 (240.7, 781.5)       | 0.007221 (0.0036978, 0.0120089) | 213.2 (101.5, 367.7)       | 0.003780 (0.0018005, 0.0065203) |
| Kalimantan Tengah | Diarrheal diseases                            | 50  | 242.6 (112.9, 447.3)       | 0.004823 (0.0022456, 0.0088928) | 308.7 (154.8, 534.4)       | 0.007577 (0.0037989, 0.0131155) |
| Kalimantan Tengah | HIV/AIDS                                      | 50  | 19.5 (2.6, 67.2)           | 0.000388 (0.0000523, 0.0013364) | 17.0 (2.4, 59.7)           | 0.000417 (0.0000586, 0.0014648) |
| Kalimantan Tengah | Lower respiratory infections                  | 50  | 233.6 (82.1, 496.2)        | 0.004644 (0.0016331, 0.0098661) | 197.3 (69.5, 390.4)        | 0.004842 (0.0017059, 0.0095807) |
| Kalimantan Tengah | Malaria                                       | 50  | 130.1 (27.7, 375.7)        | 0.002587 (0.0005503, 0.0074697) | 86.6 (18.6, 264.1)         | 0.002125 (0.0004560, 0.0064821) |
| Kalimantan Tengah | Tuberculosis                                  | 50  | 1,248.7 (795.7, 1,835.6)   | 0.024827 (0.0158200, 0.0364952) | 722.7 (442.8, 1,083.4)     | 0.017737 (0.0108662, 0.0265879) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Maternal disorders                            | 50  |                            |                                 | 8.2 (2.4, 22.1)            | 0.000202 (0.0000578, 0.0005429) |
| Kalimantan Tengah | Other communicable diseases                   | 50  | 512.0 (257.6, 860.5)       | 0.010180 (0.0051210, 0.0171079) | 496.9 (275.8, 792.3)       | 0.012193 (0.0067677, 0.0194426) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 50  | 258.7 (86.1, 566.1)        | 0.005144 (0.0017109, 0.0112558) | 79.4 (23.2, 187.5)         | 0.001949 (0.0005690, 0.0046022) |
| Kalimantan Tengah | Breast cancer                                 | 50  | 12.5 (3.6, 30.0)           | 0.000248 (0.0000711, 0.0005962) | 528.0 (239.9, 905.6)       | 0.012956 (0.0058877, 0.0222237) |
| Kalimantan Tengah | Cervical cancer                               | 50  |                            |                                 | 260.6 (71.1, 563.4)        | 0.006395 (0.0017444, 0.0138267) |
| Kalimantan Tengah | Other malignant neoplasms                     | 50  | 714.3 (384.0, 1,144.6)     | 0.014202 (0.0076345, 0.0227577) | 298.2 (115.0, 618.8)       | 0.007317 (0.0028234, 0.0151856) |
| Kalimantan Tengah | Cerebrovascular disease                       | 50  | 2,842.7 (1,987.6, 3,891.7) | 0.056520 (0.0395192, 0.0773759) | 2,322.7 (1,721.1, 3,011.9) | 0.057001 (0.0422379, 0.0739138) |
| Kalimantan Tengah | Ischemic heart disease                        | 50  | 3,189.6 (2,218.3, 4,473.3) | 0.063417 (0.0441051, 0.0889394) | 1,603.2 (1,089.1, 2,284.4) | 0.039343 (0.0267275, 0.0560598) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 50  | 554.0 (283.0, 966.4)       | 0.011014 (0.0056262, 0.0192135) | 507.0 (258.4, 863.6)       | 0.012442 (0.0063420, 0.0211932) |
| Kalimantan Tengah | Diabetes mellitus                             | 50  | 1,279.0 (799.8, 1,808.8)   | 0.025430 (0.0159019, 0.0359639) | 2,668.1 (1,752.3, 3,708.4) | 0.065477 (0.0430027, 0.0910050) |
| Kalimantan Tengah | Chronic kidney disease                        | 50  | 649.2 (429.2, 933.8)       | 0.012908 (0.0085342, 0.0185655) | 436.0 (295.6, 624.1)       | 0.010701 (0.0072545, 0.0153170) |
| Kalimantan Tengah | Cirrhosis                                     | 50  | 941.1 (578.9, 1,459.9)     | 0.018711 (0.0115102, 0.0290263) | 522.6 (248.6, 990.3)       | 0.012824 (0.0061013, 0.0243037) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 50  | 752.8 (424.6, 1,211.2)     | 0.014968 (0.0084429, 0.0240815) | 398.3 (218.4, 637.7)       | 0.009774 (0.0053591, 0.0156504) |
| Kalimantan Tengah | Other non-communicable diseases               | 50  | 938.2 (632.5, 1,325.3)     | 0.018653 (0.0125753, 0.0263511) | 759.0 (517.4, 1,077.9)     | 0.018626 (0.0126970, 0.0264511) |
| Kalimantan Tengah | Drowning                                      | 50  | 48.1 (15.1, 122.1)         | 0.000957 (0.0003008, 0.0024280) | 24.7 (7.4, 63.2)           | 0.000607 (0.0001827, 0.0015516) |
| Kalimantan Tengah | Falls                                         | 50  | 155.4 (69.0, 285.2)        | 0.003091 (0.0013716, 0.0056714) | 89.1 (42.4, 162.8)         | 0.002187 (0.0010406, 0.0039963) |
| Kalimantan Tengah | Interpersonal violence                        | 50  | 67.7 (29.2, 135.4)         | 0.001345 (0.0005798, 0.0026930) | 36.7 (15.7, 74.9)          | 0.000901 (0.0003855, 0.0018386) |
| Kalimantan Tengah | Self-harm                                     | 50  | 66.2 (26.1, 139.7)         | 0.001317 (0.0005189, 0.0027775) | 27.7 (10.2, 60.5)          | 0.000680 (0.0002506, 0.0014852) |
| Kalimantan Tengah | Transport injuries                            | 50  | 495.8 (257.4, 816.5)       | 0.009857 (0.0051178, 0.0162338) | 181.6 (92.0, 301.2)        | 0.004457 (0.0022586, 0.0073927) |
| Kalimantan Tengah | Other unintentional injuries                  | 50  | 353.3 (176.9, 608.4)       | 0.007024 (0.0035177, 0.0120961) | 141.6 (67.2, 241.8)        | 0.003476 (0.0016489, 0.0059337) |
| Kalimantan Tengah | Diarrheal diseases                            | 55  | 217.7 (97.9, 397.0)        | 0.006516 (0.0029315, 0.0118845) | 276.8 (138.4, 480.2)       | 0.010137 (0.0050697, 0.0175887) |
| Kalimantan Tengah | HIV/AIDS                                      | 55  | 6.6 (0.8, 23.2)            | 0.000199 (0.0000248, 0.0006942) | 5.9 (0.8, 19.9)            | 0.000214 (0.0000286, 0.0007303) |
| Kalimantan Tengah | Lower respiratory infections                  | 55  | 190.5 (67.0, 399.1)        | 0.005702 (0.0020060, 0.0119483) | 169.0 (61.9, 334.5)        | 0.006190 (0.0022661, 0.0122520) |
| Kalimantan Tengah | Malaria                                       | 55  | 109.2 (24.0, 306.2)        | 0.003268 (0.0007173, 0.0091670) | 69.2 (14.3, 205.8)         | 0.002533 (0.0005245, 0.0075372) |
| Kalimantan Tengah | Tuberculosis                                  | 55  | 901.3 (551.1, 1,359.5)     | 0.026980 (0.0164973, 0.0406964) | 519.3 (308.4, 799.2)       | 0.019021 (0.0112969, 0.0292734) |
| Kalimantan Tengah | Other communicable diseases                   | 55  | 400.0 (200.4, 695.0)       | 0.011974 (0.0059978, 0.0208059) | 394.6 (214.7, 627.2)       | 0.014454 (0.0078655, 0.0229724) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 55  | 248.2 (83.2, 527.3)        | 0.007429 (0.0024896, 0.0157859) | 57.5 (16.9, 135.8)         | 0.002104 (0.0006199, 0.0049731) |
| Kalimantan Tengah | Breast cancer                                 | 55  | 9.5 (2.8, 22.5)            | 0.000285 (0.0000843, 0.0006731) | 331.1 (152.9, 588.6)       | 0.012126 (0.0056015, 0.0215599) |
| Kalimantan Tengah | Cervical cancer                               | 55  |                            |                                 | 175.7 (48.8, 375.4)        | 0.006437 (0.0017882, 0.0137504) |
| Kalimantan Tengah | Other malignant neoplasms                     | 55  | 476.8 (247.6, 780.4)       | 0.014272 (0.0074104, 0.0233624) | 211.3 (78.8, 431.8)        | 0.007741 (0.0028865, 0.0158156) |
| Kalimantan Tengah | Cerebrovascular disease                       | 55  | 2,740.0 (1,907.0, 3,720.8) | 0.082020 (0.0570869, 0.1113818) | 2,292.6 (1,716.0, 2,955.3) | 0.083975 (0.0628549, 0.1082486) |
| Kalimantan Tengah | Ischemic heart disease                        | 55  | 2,942.3 (2,026.0, 4,138.0) | 0.088075 (0.0606469, 0.1238692) | 1,525.9 (1,039.1, 2,155.6) | 0.055893 (0.0380622, 0.0789561) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 55  | 528.3 (272.6, 921.6)       | 0.015814 (0.0081591, 0.0275885) | 483.7 (248.2, 805.1)       | 0.017719 (0.0090896, 0.0294896) |
| Kalimantan Tengah | Diabetes mellitus                             | 55  | 1,141.5 (722.3, 1,601.8)   | 0.034169 (0.0216205, 0.0479502) | 2,393.5 (1,588.8, 3,280.4) | 0.087670 (0.0581959, 0.1201566) |
| Kalimantan Tengah | Chronic kidney disease                        | 55  | 531.3 (345.2, 777.8)       | 0.015906 (0.0103338, 0.0232839) | 356.2 (243.5, 509.9)       | 0.013047 (0.0089184, 0.0186770) |
| Kalimantan Tengah | Cirrhosis                                     | 55  | 703.1 (422.2, 1,092.4)     | 0.021046 (0.0126371, 0.0327009) | 404.6 (192.7, 755.5)       | 0.014819 (0.0070585, 0.0276737) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 55  | 671.0 (376.7, 1,069.8)     | 0.020086 (0.0112763, 0.0320230) | 362.5 (204.7, 576.3)       | 0.013279 (0.0074991, 0.0211101) |
| Kalimantan Tengah | Other non-communicable diseases               | 55  | 811.6 (540.0, 1,161.6)     | 0.024294 (0.0161633, 0.0347710) | 667.0 (462.5, 938.8)       | 0.024431 (0.0169403, 0.0343852) |
| Kalimantan Tengah | Drowning                                      | 55  | 27.1 (7.8, 67.4)           | 0.000810 (0.0002341, 0.0020191) | 15.0 (4.4, 36.2)           | 0.000551 (0.0001624, 0.0013263) |
| Kalimantan Tengah | Falls                                         | 55  | 129.6 (58.9, 235.2)        | 0.003880 (0.0017641, 0.0070398) | 78.5 (38.0, 138.1)         | 0.002876 (0.0013925, 0.0050596) |
| Kalimantan Tengah | Interpersonal violence                        | 55  | 43.1 (17.2, 89.2)          | 0.001289 (0.0005136, 0.0026716) | 22.4 (9.5, 47.0)           | 0.000820 (0.0003466, 0.0017201) |
| Kalimantan Tengah | Self-harm                                     | 55  | 48.4 (18.4, 100.8)         | 0.001449 (0.0005509, 0.0030169) | 19.2 (7.0, 39.3)           | 0.000704 (0.0002574, 0.0014404) |
| Kalimantan Tengah | Transport injuries                            | 55  | 261.7 (123.2, 455.9)       | 0.007834 (0.0036879, 0.0136479) | 98.2 (47.8, 171.8)         | 0.003596 (0.0017495, 0.0062932) |
| Kalimantan Tengah | Other unintentional injuries                  | 55  | 229.9 (114.0, 401.8)       | 0.006881 (0.0034117, 0.0120272) | 92.3 (45.3, 162.2)         | 0.003380 (0.0016611, 0.0059395) |
| Kalimantan Tengah | Diarrheal diseases                            | 60  | 241.6 (106.4, 435.1)       | 0.010582 (0.0046579, 0.0190536) | 298.5 (150.6, 497.1)       | 0.014451 (0.0072895, 0.0240696) |
| Kalimantan Tengah | HIV/AIDS                                      | 60  | 4.4 (0.5, 14.7)            | 0.000193 (0.0000237, 0.0006452) | 3.9 (0.5, 12.9)            | 0.000187 (0.0000239, 0.0006264) |
| Kalimantan Tengah | Lower respiratory infections                  | 60  | 254.8 (88.3, 537.9)        | 0.011157 (0.0038682, 0.0235541) | 228.6 (83.9, 419.4)        | 0.011066 (0.0040617, 0.0203034) |
| Kalimantan Tengah | Malaria                                       | 60  | 105.9 (23.3, 290.3)        | 0.004639 (0.0010215, 0.0127145) | 66.5 (13.7, 211.7)         | 0.003218 (0.0006642, 0.0102479) |
| Kalimantan Tengah | Tuberculosis                                  | 60  | 976.1 (588.3, 1,480.9)     | 0.042748 (0.0257618, 0.0648527) | 586.9 (345.2, 885.6)       | 0.028413 (0.0167107, 0.0428784) |
| Kalimantan Tengah | Other communicable diseases                   | 60  | 325.9 (157.1, 566.3)       | 0.014274 (0.0068808, 0.0247991) | 310.5 (167.6, 517.1)       | 0.015033 (0.0081158, 0.0250366) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 60  | 217.4 (70.5, 472.9)        | 0.009519 (0.0030875, 0.0207108) | 48.5 (14.5, 111.7)         | 0.002346 (0.0007014, 0.0054062) |
| Kalimantan Tengah | Breast cancer                                 | 60  | 7.9 (2.1, 19.8)            | 0.000345 (0.0000924, 0.0008662) | 223.6 (97.2, 420.8)        | 0.010824 (0.0047042, 0.0203711) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Tengah | Cervical cancer                               | 60  |                            |                                 | 146.7 (37.2, 324.2)        | 0.007100 (0.0018019, 0.0156970) |
| Kalimantan Tengah | Other malignant neoplasms                     | 60  | 410.3 (213.3, 681.0)       | 0.017970 (0.0093416, 0.0298225) | 195.2 (73.0, 386.9)        | 0.009451 (0.0035325, 0.0187329) |
| Kalimantan Tengah | Cerebrovascular disease                       | 60  | 2,881.5 (1,995.9, 3,870.7) | 0.126192 (0.0874072, 0.1695090) | 2,431.4 (1,887.3, 3,060.2) | 0.117716 (0.0913749, 0.1481592) |
| Kalimantan Tengah | Ischemic heart disease                        | 60  | 2,725.1 (1,843.3, 3,857.6) | 0.119338 (0.0807229, 0.1689347) | 1,516.6 (1,052.5, 2,119.3) | 0.073426 (0.0509563, 0.1026061) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 60  | 553.7 (286.4, 945.1)       | 0.024247 (0.0125422, 0.0413892) | 498.5 (262.4, 825.1)       | 0.024137 (0.0127061, 0.0399500) |
| Kalimantan Tengah | Diabetes mellitus                             | 60  | 955.5 (590.4, 1,352.8)     | 0.041846 (0.0258544, 0.0592439) | 2,099.6 (1,377.1, 2,887.7) | 0.101652 (0.0666724, 0.1398098) |
| Kalimantan Tengah | Chronic kidney disease                        | 60  | 452.4 (288.7, 663.3)       | 0.019811 (0.0126423, 0.0290476) | 311.0 (211.8, 433.5)       | 0.015057 (0.0102528, 0.0209870) |
| Kalimantan Tengah | Cirrhosis                                     | 60  | 583.5 (354.0, 924.3)       | 0.025555 (0.0155033, 0.0404770) | 339.9 (159.6, 665.8)       | 0.016455 (0.0077291, 0.0322352) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 60  | 904.7 (523.8, 1,408.5)     | 0.039622 (0.0229379, 0.0616845) | 472.4 (280.3, 728.1)       | 0.022869 (0.0135700, 0.0352516) |
| Kalimantan Tengah | Other non-communicable diseases               | 60  | 871.5 (570.8, 1,218.5)     | 0.038164 (0.0249958, 0.0533614) | 714.3 (510.2, 983.5)       | 0.034582 (0.0247008, 0.0476176) |
| Kalimantan Tengah | Drowning                                      | 60  | 21.1 (5.9, 54.0)           | 0.000925 (0.0002575, 0.0023633) | 11.3 (3.2, 30.1)           | 0.000549 (0.0001535, 0.0014551) |
| Kalimantan Tengah | Falls                                         | 60  | 110.9 (49.2, 206.5)        | 0.004859 (0.0021534, 0.0090426) | 65.1 (30.2, 116.9)         | 0.003150 (0.0014624, 0.0056578) |
| Kalimantan Tengah | Interpersonal violence                        | 60  | 27.2 (10.6, 60.0)          | 0.001192 (0.0004635, 0.0026294) | 14.2 (5.6, 29.4)           | 0.000687 (0.0002699, 0.0014238) |
| Kalimantan Tengah | Self-harm                                     | 60  | 34.3 (12.3, 72.9)          | 0.001500 (0.0005379, 0.0031932) | 13.7 (4.9, 28.8)           | 0.000662 (0.0002361, 0.0013943) |
| Kalimantan Tengah | Transport injuries                            | 60  | 214.9 (105.9, 375.7)       | 0.009413 (0.0046385, 0.0164539) | 78.8 (39.6, 132.4)         | 0.003816 (0.0019163, 0.0064122) |
| Kalimantan Tengah | Other unintentional injuries                  | 60  | 178.6 (86.4, 318.0)        | 0.007820 (0.0037820, 0.0139241) | 70.5 (34.2, 125.4)         | 0.003416 (0.0016556, 0.0060690) |
| Kalimantan Tengah | Diarrheal diseases                            | 65  | 284.3 (136.6, 501.1)       | 0.019729 (0.0094764, 0.0347758) | 381.0 (217.0, 630.8)       | 0.027307 (0.0155496, 0.0452083) |
| Kalimantan Tengah | HIV/AIDS                                      | 65  | 3.0 (0.4, 10.2)            | 0.000210 (0.0000279, 0.0007059) | 2.9 (0.4, 9.1)             | 0.000206 (0.0000261, 0.0006510) |
| Kalimantan Tengah | Lower respiratory infections                  | 65  | 208.8 (74.8, 435.2)        | 0.014487 (0.0051915, 0.0302031) | 209.8 (79.7, 393.2)        | 0.015032 (0.0057153, 0.0281827) |
| Kalimantan Tengah | Malaria                                       | 65  | 81.2 (17.4, 231.5)         | 0.005635 (0.0012064, 0.0160666) | 52.7 (10.8, 164.9)         | 0.003775 (0.0007774, 0.0118144) |
| Kalimantan Tengah | Tuberculosis                                  | 65  | 746.8 (447.6, 1,142.8)     | 0.051826 (0.0310609, 0.0793018) | 477.1 (279.3, 730.8)       | 0.034190 (0.0200174, 0.0523748) |
| Kalimantan Tengah | Other communicable diseases                   | 65  | 224.6 (106.6, 411.7)       | 0.015585 (0.0073953, 0.0285695) | 237.0 (121.1, 409.4)       | 0.016983 (0.0086755, 0.0293406) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 65  | 125.6 (41.0, 287.3)        | 0.008718 (0.0028460, 0.0199369) | 31.4 (9.7, 76.8)           | 0.002254 (0.0006940, 0.0055028) |
| Kalimantan Tengah | Breast cancer                                 | 65  | 4.7 (1.1, 12.5)            | 0.000326 (0.0000764, 0.0008663) | 135.9 (54.9, 261.5)        | 0.009738 (0.0039342, 0.0187396) |
| Kalimantan Tengah | Cervical cancer                               | 65  |                            |                                 | 87.0 (21.2, 201.9)         | 0.006236 (0.0015228, 0.0144729) |
| Kalimantan Tengah | Other malignant neoplasms                     | 65  | 244.5 (123.5, 405.0)       | 0.016969 (0.0085714, 0.0281076) | 157.6 (62.7, 305.1)        | 0.011297 (0.0044944, 0.0218628) |
| Kalimantan Tengah | Cerebrovascular disease                       | 65  | 2,253.8 (1,545.2, 3,043.4) | 0.156402 (0.1072233, 0.2111931) | 2,175.6 (1,707.3, 2,700.4) | 0.155919 (0.1223569, 0.1935314) |
| Kalimantan Tengah | Ischemic heart disease                        | 65  | 2,009.8 (1,327.5, 2,826.7) | 0.139469 (0.0921218, 0.1961555) | 1,263.1 (884.0, 1,763.2)   | 0.090525 (0.0633504, 0.1263610) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 65  | 465.1 (237.7, 812.5)       | 0.032275 (0.0164922, 0.0563821) | 470.9 (246.9, 770.2)       | 0.033747 (0.0176917, 0.0551975) |
| Kalimantan Tengah | Diabetes mellitus                             | 65  | 580.6 (353.0, 846.0)       | 0.040288 (0.0244950, 0.0587041) | 1,498.4 (965.9, 2,114.8)   | 0.107382 (0.0692213, 0.1515576) |
| Kalimantan Tengah | Chronic kidney disease                        | 65  | 323.0 (202.1, 478.0)       | 0.022416 (0.0140261, 0.0331681) | 248.7 (176.7, 350.9)       | 0.017827 (0.0126603, 0.0251459) |
| Kalimantan Tengah | Cirrhosis                                     | 65  | 339.8 (200.1, 547.5)       | 0.023577 (0.0138889, 0.0379945) | 230.3 (111.0, 440.7)       | 0.016508 (0.0079582, 0.0315844) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 65  | 770.0 (447.0, 1,201.3)     | 0.053434 (0.0310207, 0.0833644) | 448.3 (271.8, 677.4)       | 0.032126 (0.0194784, 0.0485480) |
| Kalimantan Tengah | Other non-communicable diseases               | 65  | 738.3 (479.3, 1,043.4)     | 0.051235 (0.0332580, 0.0724054) | 687.5 (499.2, 933.8)       | 0.049268 (0.0357763, 0.0669218) |
| Kalimantan Tengah | Drowning                                      | 65  | 11.5 (3.2, 28.2)           | 0.000797 (0.0002217, 0.0019557) | 7.4 (2.1, 18.4)            | 0.000534 (0.0001471, 0.0013221) |
| Kalimantan Tengah | Falls                                         | 65  | 79.3 (34.5, 148.1)         | 0.005501 (0.0023940, 0.0102749) | 54.7 (26.3, 97.3)          | 0.003917 (0.0018843, 0.0069723) |
| Kalimantan Tengah | Interpersonal violence                        | 65  | 15.5 (5.7, 36.3)           | 0.001079 (0.0003934, 0.0025187) | 8.7 (3.2, 18.8)            | 0.000620 (0.0002286, 0.0013464) |
| Kalimantan Tengah | Self-harm                                     | 65  | 22.6 (7.9, 51.5)           | 0.001571 (0.0005506, 0.0035747) | 9.5 (3.4, 21.2)            | 0.000684 (0.0002416, 0.0015191) |
| Kalimantan Tengah | Transport injuries                            | 65  | 124.6 (59.1, 219.6)        | 0.008647 (0.0041042, 0.0152406) | 52.3 (25.7, 92.0)          | 0.003751 (0.0018440, 0.0065950) |
| Kalimantan Tengah | Other unintentional injuries                  | 65  | 115.9 (52.9, 207.6)        | 0.008040 (0.0036717, 0.0144049) | 51.3 (24.0, 90.4)          | 0.003673 (0.0017191, 0.0064776) |
| Kalimantan Tengah | Diarrheal diseases                            | 70  | 340.5 (168.9, 586.6)       | 0.035322 (0.0175152, 0.0608464) | 416.7 (252.0, 649.4)       | 0.044843 (0.0271224, 0.0698822) |
| Kalimantan Tengah | HIV/AIDS                                      | 70  | 3.3 (0.4, 12.2)            | 0.000346 (0.0000431, 0.0012656) | 3.1 (0.4, 10.7)            | 0.000331 (0.0000431, 0.0011487) |
| Kalimantan Tengah | Lower respiratory infections                  | 70  | 219.5 (81.4, 453.4)        | 0.022768 (0.0084465, 0.0470324) | 214.7 (83.8, 390.3)        | 0.023102 (0.0090206, 0.0420013) |
| Kalimantan Tengah | Malaria                                       | 70  | 64.5 (12.5, 184.4)         | 0.006688 (0.0012941, 0.0191238) | 39.5 (7.9, 129.9)          | 0.004253 (0.0008473, 0.0139787) |
| Kalimantan Tengah | Tuberculosis                                  | 70  | 631.8 (360.5, 974.4)       | 0.065533 (0.0373965, 0.1010709) | 413.6 (237.5, 632.5)       | 0.044509 (0.0255543, 0.0680659) |
| Kalimantan Tengah | Other communicable diseases                   | 70  | 200.5 (94.8, 366.2)        | 0.020795 (0.0098318, 0.0379828) | 191.2 (101.4, 333.1)       | 0.020575 (0.0109153, 0.0358483) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 70  | 95.0 (30.3, 217.7)         | 0.009849 (0.0031436, 0.0225778) | 22.7 (7.2, 55.7)           | 0.002447 (0.0007731, 0.0059984) |
| Kalimantan Tengah | Breast cancer                                 | 70  | 2.7 (0.6, 7.9)             | 0.000280 (0.0000636, 0.0008210) | 76.4 (28.8, 154.3)         | 0.008217 (0.0030960, 0.0166065) |
| Kalimantan Tengah | Cervical cancer                               | 70  |                            |                                 | 43.0 (10.0, 105.2)         | 0.004624 (0.0010761, 0.0113252) |
| Kalimantan Tengah | Other malignant neoplasms                     | 70  | 156.5 (77.2, 263.0)        | 0.016232 (0.0080098, 0.0272815) | 113.5 (48.9, 208.9)        | 0.012211 (0.0052631, 0.0224800) |
| Kalimantan Tengah | Cerebrovascular disease                       | 70  | 1,933.2 (1,315.1, 2,622.1) | 0.200513 (0.1364062, 0.2719663) | 1,917.0 (1,520.5, 2,368.0) | 0.206292 (0.1636282, 0.2548300) |
| Kalimantan Tengah | Ischemic heart disease                        | 70  | 1,623.4 (1,055.4, 2,326.5) | 0.168380 (0.1094667, 0.2413067) | 1,110.2 (791.8, 1,532.8)   | 0.119472 (0.0852117, 0.1649468) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males         |                  |                          |                        | Females       |                    |                          |                        |
|-------------------|-----------------------------------------------|-----|---------------|------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                   |                                               |     | YLLs (95% UI) |                  | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 70  | 428.3         | (216.0, 755.5)   | 0.044420                 | (0.0224032, 0.0783659) | 439.5         | (232.7, 728.5)     | 0.047292                 | (0.0250448, 0.0783954) |
| Kalimantan Tengah | Diabetes mellitus                             | 70  | 361.3         | (213.5, 530.4)   | 0.037477                 | (0.0221412, 0.0550129) | 1,010.1       | (615.4, 1,469.8)   | 0.108703                 | (0.0662272, 0.1581727) |
| Kalimantan Tengah | Chronic kidney disease                        | 70  | 235.3         | (145.6, 351.8)   | 0.024404                 | (0.0151002, 0.0364872) | 190.9         | (134.6, 270.8)     | 0.020545                 | (0.0144823, 0.0291390) |
| Kalimantan Tengah | Cirrhosis                                     | 70  | 238.2         | (137.1, 392.3)   | 0.024708                 | (0.0142197, 0.0406882) | 164.9         | (77.8, 314.1)      | 0.017750                 | (0.0083708, 0.0338044) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 70  | 792.7         | (477.8, 1,202.3) | 0.082217                 | (0.0495560, 0.1247063) | 466.9         | (298.6, 695.0)     | 0.050247                 | (0.0321379, 0.0747899) |
| Kalimantan Tengah | Other non-communicable diseases               | 70  | 684.5         | (443.7, 960.3)   | 0.071002                 | (0.0460251, 0.0996064) | 650.7         | (478.5, 873.5)     | 0.070020                 | (0.0514979, 0.0939983) |
| Kalimantan Tengah | Drowning                                      | 70  | 15.4          | (4.5, 38.3)      | 0.001598                 | (0.0004621, 0.0039713) | 9.1           | (2.7, 21.6)        | 0.000978                 | (0.0002897, 0.0023271) |
| Kalimantan Tengah | Falls                                         | 70  | 70.2          | (29.6, 125.5)    | 0.007280                 | (0.0030713, 0.0130150) | 45.3          | (21.7, 80.6)       | 0.004874                 | (0.0023365, 0.0086739) |
| Kalimantan Tengah | Interpersonal violence                        | 70  | 9.1           | (2.9, 21.2)      | 0.000939                 | (0.0003048, 0.0021947) | 5.1           | (1.7, 11.4)        | 0.000545                 | (0.0001839, 0.0012305) |
| Kalimantan Tengah | Self-harm                                     | 70  | 15.6          | (5.4, 35.7)      | 0.001617                 | (0.0005582, 0.0036986) | 6.7           | (2.3, 15.2)        | 0.000719                 | (0.0002467, 0.0016407) |
| Kalimantan Tengah | Transport injuries                            | 70  | 95.0          | (42.6, 172.2)    | 0.009851                 | (0.0044167, 0.0178658) | 38.0          | (17.7, 66.4)       | 0.004091                 | (0.0019031, 0.0071452) |
| Kalimantan Tengah | Other unintentional injuries                  | 70  | 91.0          | (41.8, 163.4)    | 0.009443                 | (0.0043347, 0.0169502) | 39.1          | (17.8, 67.7)       | 0.004213                 | (0.0019189, 0.0072839) |
| Kalimantan Tengah | Diarrheal diseases                            | 75  | 205.9         | (105.7, 352.4)   | 0.044296                 | (0.0227447, 0.0758350) | 296.8         | (185.5, 450.2)     | 0.063957                 | (0.0399785, 0.0970210) |
| Kalimantan Tengah | HIV/AIDS                                      | 75  | 1.4           | (0.2, 5.0)       | 0.000293                 | (0.0000353, 0.0010755) | 1.4           | (0.2, 5.1)         | 0.000299                 | (0.0000367, 0.0010939) |
| Kalimantan Tengah | Lower respiratory infections                  | 75  | 115.2         | (42.5, 237.4)    | 0.024787                 | (0.0091403, 0.0510751) | 134.1         | (54.5, 242.6)      | 0.028906                 | (0.0117406, 0.0522758) |
| Kalimantan Tengah | Malaria                                       | 75  | 35.6          | (6.7, 103.6)     | 0.007654                 | (0.0014312, 0.0222866) | 23.0          | (4.1, 76.7)        | 0.004957                 | (0.0008769, 0.0165341) |
| Kalimantan Tengah | Tuberculosis                                  | 75  | 287.9         | (155.8, 460.4)   | 0.061948                 | (0.0335215, 0.0990776) | 198.9         | (110.8, 310.7)     | 0.042877                 | (0.0238879, 0.0669590) |
| Kalimantan Tengah | Other communicable diseases                   | 75  | 96.0          | (42.8, 170.9)    | 0.020650                 | (0.0092180, 0.0367825) | 111.8         | (58.7, 190.8)      | 0.024088                 | (0.0126592, 0.0411118) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 75  | 36.6          | (11.4, 89.2)     | 0.007886                 | (0.0024524, 0.0191948) | 10.2          | (3.2, 25.6)        | 0.002203                 | (0.0006824, 0.0055197) |
| Kalimantan Tengah | Breast cancer                                 | 75  | 1.0           | (0.2, 2.9)       | 0.000208                 | (0.0000411, 0.0006231) | 29.8          | (10.5, 60.7)       | 0.006421                 | (0.0022554, 0.0130770) |
| Kalimantan Tengah | Cervical cancer                               | 75  |               |                  |                          |                        | 17.0          | (3.6, 43.0)        | 0.003664                 | (0.0007669, 0.0092594) |
| Kalimantan Tengah | Other malignant neoplasms                     | 75  | 63.9          | (31.2, 111.3)    | 0.013759                 | (0.0067216, 0.0239600) | 59.2          | (26.9, 107.9)      | 0.012749                 | (0.0058000, 0.0232505) |
| Kalimantan Tengah | Cerebrovascular disease                       | 75  | 993.5         | (660.0, 1,395.0) | 0.213781                 | (0.1420164, 0.3001806) | 1,185.3       | (948.8, 1,443.7)   | 0.255465                 | (0.2044890, 0.3111545) |
| Kalimantan Tengah | Ischemic heart disease                        | 75  | 909.7         | (577.3, 1,316.8) | 0.195747                 | (0.1242348, 0.2833486) | 730.1         | (528.0, 989.2)     | 0.157352                 | (0.1138014, 0.2131832) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 75  | 231.2         | (116.9, 410.2)   | 0.049760                 | (0.0251545, 0.0882768) | 273.4         | (144.7, 445.0)     | 0.058932                 | (0.0311961, 0.0959125) |
| Kalimantan Tengah | Diabetes mellitus                             | 75  | 159.6         | (93.4, 238.7)    | 0.034338                 | (0.0200896, 0.0513652) | 524.7         | (323.0, 768.2)     | 0.113074                 | (0.0696034, 0.1655531) |
| Kalimantan Tengah | Chronic kidney disease                        | 75  | 112.6         | (68.4, 172.0)    | 0.024220                 | (0.0147156, 0.0370066) | 102.3         | (72.3, 142.5)      | 0.022043                 | (0.0155716, 0.0307168) |
| Kalimantan Tengah | Cirrhosis                                     | 75  | 106.7         | (60.4, 177.1)    | 0.022958                 | (0.0130008, 0.0381097) | 90.3          | (42.3, 173.7)      | 0.019461                 | (0.0091211, 0.0374438) |
| Kalimantan Tengah | Chronic respiratory diseases                  | 75  | 414.9         | (245.6, 641.8)   | 0.089292                 | (0.0528464, 0.1381128) | 273.1         | (177.0, 400.7)     | 0.058864                 | (0.0381448, 0.0863524) |
| Kalimantan Tengah | Other non-communicable diseases               | 75  | 407.3         | (259.3, 580.6)   | 0.087638                 | (0.0558011, 0.1249435) | 456.0         | (338.9, 603.6)     | 0.098275                 | (0.0730340, 0.1300905) |
| Kalimantan Tengah | Drowning                                      | 75  | 10.0          | (2.9, 25.0)      | 0.002151                 | (0.0006171, 0.0053728) | 8.0           | (2.6, 18.9)        | 0.001734                 | (0.0005560, 0.0040792) |
| Kalimantan Tengah | Falls                                         | 75  | 40.0          | (17.4, 71.6)     | 0.008614                 | (0.0037542, 0.0154135) | 33.3          | (17.3, 56.0)       | 0.007168                 | (0.0037261, 0.0120696) |
| Kalimantan Tengah | Interpersonal violence                        | 75  | 3.7           | (0.9, 10.2)      | 0.000793                 | (0.0001860, 0.0021975) | 2.2           | (0.6, 5.8)         | 0.000465                 | (0.0001292, 0.0012505) |
| Kalimantan Tengah | Self-harm                                     | 75  | 7.8           | (2.5, 18.8)      | 0.001678                 | (0.0005474, 0.0040482) | 3.4           | (1.1, 7.7)         | 0.000732                 | (0.0002439, 0.0016603) |
| Kalimantan Tengah | Transport injuries                            | 75  | 34.8          | (14.4, 67.9)     | 0.007483                 | (0.0030972, 0.0146135) | 17.0          | (7.5, 31.6)        | 0.003655                 | (0.0016069, 0.0068023) |
| Kalimantan Tengah | Other unintentional injuries                  | 75  | 43.8          | (19.4, 81.2)     | 0.009435                 | (0.0041748, 0.0174668) | 21.7          | (10.0, 39.1)       | 0.004687                 | (0.0021492, 0.0084347) |
| Kalimantan Tengah | Diarrheal diseases                            | 80  | 487.6         | (297.0, 749.9)   | 0.114322                 | (0.0696438, 0.1758168) | 836.1         | (563.3, 1,156.2)   | 0.152265                 | (0.1025881, 0.2105538) |
| Kalimantan Tengah | HIV/AIDS                                      | 80  | 1.8           | (0.2, 7.5)       | 0.000430                 | (0.0000387, 0.0017479) | 2.5           | (0.2, 10.4)        | 0.000456                 | (0.0000417, 0.0018861) |
| Kalimantan Tengah | Lower respiratory infections                  | 80  | 189.1         | (75.3, 363.7)    | 0.044337                 | (0.0176461, 0.0852801) | 280.2         | (122.2, 492.0)     | 0.051028                 | (0.0222481, 0.0895947) |
| Kalimantan Tengah | Malaria                                       | 80  | 50.2          | (8.4, 157.6)     | 0.011768                 | (0.0019596, 0.0369480) | 43.9          | (7.0, 154.2)       | 0.007990                 | (0.0012800, 0.0280800) |
| Kalimantan Tengah | Tuberculosis                                  | 80  | 333.0         | (187.1, 530.8)   | 0.078072                 | (0.0438576, 0.1244638) | 340.5         | (183.1, 548.2)     | 0.062003                 | (0.0333490, 0.0998376) |
| Kalimantan Tengah | Other communicable diseases                   | 80  | 161.1         | (80.3, 278.2)    | 0.037765                 | (0.0188358, 0.0652197) | 215.4         | (112.6, 369.9)     | 0.039228                 | (0.0205132, 0.0673715) |
| Kalimantan Tengah | Tracheal, bronchus, and lung cancer           | 80  | 37.7          | (11.4, 86.6)     | 0.008836                 | (0.0026841, 0.0202954) | 15.4          | (4.3, 37.5)        | 0.002802                 | (0.0007892, 0.0068353) |
| Kalimantan Tengah | Breast cancer                                 | 80  | 0.8           | (0.1, 2.5)       | 0.000194                 | (0.0000343, 0.0005894) | 36.0          | (11.9, 73.0)       | 0.006548                 | (0.0021733, 0.0133033) |
| Kalimantan Tengah | Cervical cancer                               | 80  |               |                  |                          |                        | 18.2          | (3.3, 48.2)        | 0.003311                 | (0.0006065, 0.0087848) |
| Kalimantan Tengah | Other malignant neoplasms                     | 80  | 66.1          | (34.2, 111.7)    | 0.015510                 | (0.0080237, 0.0261815) | 86.4          | (40.4, 153.5)      | 0.015733                 | (0.0073525, 0.0279600) |
| Kalimantan Tengah | Cerebrovascular disease                       | 80  | 1,343.5       | (986.0, 1,772.7) | 0.315016                 | (0.2311749, 0.4156311) | 2,194.7       | (1,788.9, 2,625.9) | 0.399690                 | (0.3257848, 0.4782139) |
| Kalimantan Tengah | Ischemic heart disease                        | 80  | 1,085.1       | (747.9, 1,492.5) | 0.254431                 | (0.1753631, 0.3499442) | 1,315.8       | (968.1, 1,755.5)   | 0.239623                 | (0.1763045, 0.3197021) |
| Kalimantan Tengah | Other cardiovascular and circulatory diseases | 80  | 283.3         | (148.3, 482.0)   | 0.066420                 | (0.0347768, 0.1130221) | 463.0         | (244.2, 769.1)     | 0.084320                 | (0.0444637, 0.1400705) |
| Kalimantan Tengah | Diabetes mellitus                             | 80  | 163.5         | (102.6, 231.4)   | 0.038333                 | (0.0240474, 0.0542450) | 785.8         | (469.4, 1,157.2)   | 0.143105                 | (0.0854854, 0.2107465) |
| Kalimantan Tengah | Chronic kidney disease                        | 80  | 115.9         | (75.8, 169.0)    | 0.027176                 | (0.0177752, 0.0396313) | 155.9         | (109.2, 217.9)     | 0.028388                 | (0.0198825, 0.0396855) |
| Kalimantan Tengah | Cirrhosis                                     | 80  | 123.3         | (71.6, 193.8)    | 0.028899                 | (0.0167773, 0.0454452) | 139.2         | (63.4, 262.2)      | 0.025354                 | (0.0115435, 0.0477463) |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Males                         |                                   | Females                       |                                  |
|--------------------|----------------------------------------------------------|-----|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|
|                    |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)          | YLLs (95% UI)                 | YLLs per capita (95% UI)         |
| Kalimantan Tengah  | Chronic respiratory diseases                             | 80  | 541.1 (345.5, 794.0)          | 0.126862 (0.0810012, 0.1861755)   | 487.2 (315.3, 714.8)          | 0.088734 (0.0574236, 0.1301778)  |
| Kalimantan Tengah  | Other non-communicable diseases                          | 80  | 598.8 (419.0, 803.6)          | 0.140407 (0.0982520, 0.1884225)   | 920.1 (687.3, 1,199.7)        | 0.167560 (0.1251598, 0.2184843)  |
| Kalimantan Tengah  | Drowning                                                 | 80  | 15.5 (4.4, 37.5)              | 0.003645 (0.0010291, 0.0087912)   | 13.3 (3.8, 31.6)              | 0.002413 (0.0006987, 0.0057607)  |
| Kalimantan Tengah  | Falls                                                    | 80  | 78.1 (38.2, 140.0)            | 0.018312 (0.0089661, 0.0328302)   | 73.6 (38.2, 128.1)            | 0.013397 (0.0069625, 0.0233221)  |
| Kalimantan Tengah  | Interpersonal violence                                   | 80  | 3.4 (0.6, 11.0)               | 0.000806 (0.0001414, 0.0025814)   | 2.9 (0.6, 8.7)                | 0.000527 (0.0001054, 0.0015842)  |
| Kalimantan Tengah  | Self-harm                                                | 80  | 8.4 (2.6, 19.7)               | 0.001974 (0.0006100, 0.0046244)   | 5.5 (1.7, 13.2)               | 0.000995 (0.0003007, 0.0024102)  |
| Kalimantan Tengah  | Transport injuries                                       | 80  | 42.1 (17.0, 78.6)             | 0.009863 (0.0039825, 0.0184335)   | 24.7 (9.7, 47.2)              | 0.004505 (0.0017746, 0.0085869)  |
| Kalimantan Tengah  | Other unintentional injuries                             | 80  | 54.5 (24.5, 98.7)             | 0.012767 (0.0057558, 0.0231334)   | 34.8 (15.5, 65.4)             | 0.006345 (0.0028152, 0.0119144)  |
| Kalimantan Tengah  | Diarrheal diseases                                       | All | 6,614.6 (3,711.6, 10,610.3)   | 0.005342 (0.0029975, 0.0085690)   | 7,330.6 (4,406.8, 11,247.6)   | 0.006468 (0.0038880, 0.0099233)  |
| Kalimantan Tengah  | HIV/AIDS                                                 | All | 1,553.0 (265.5, 4,379.5)      | 0.001254 (0.0002144, 0.0035370)   | 921.8 (158.7, 2,704.3)        | 0.000813 (0.0001400, 0.0023859)  |
| Kalimantan Tengah  | Lower respiratory infections                             | All | 9,819.6 (5,512.0, 15,544.4)   | 0.007930 (0.0044516, 0.0125538)   | 7,012.1 (3,970.8, 10,958.4)   | 0.006187 (0.0035032, 0.0096681)  |
| Kalimantan Tengah  | Malaria                                                  | All | 2,365.1 (531.0, 6,607.6)      | 0.001910 (0.0004289, 0.0053364)   | 1,377.4 (307.7, 3,882.2)      | 0.001215 (0.0002715, 0.0034251)  |
| Kalimantan Tengah  | Tuberculosis                                             | All | 15,607.5 (10,205.1, 22,740.6) | 0.012605 (0.0082417, 0.0183656)   | 8,247.9 (5,085.0, 12,298.3)   | 0.007277 (0.0044863, 0.0108503)  |
| Kalimantan Tengah  | Maternal disorders                                       | All |                               |                                   | 4,269.7 (2,803.2, 6,167.0)    | 0.003767 (0.0024732, 0.0054409)  |
| Kalimantan Tengah  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 10,351.3 (4,510.3, 18,779.3)  | 0.008360 (0.0036426, 0.0151664)   | 7,617.8 (3,317.2, 14,671.8)   | 0.006721 (0.0029267, 0.0129444)  |
| Kalimantan Tengah  | Preterm birth complications                              | All | 8,018.3 (3,215.1, 15,454.0)   | 0.006476 (0.0025966, 0.0124808)   | 7,920.7 (3,373.0, 15,023.9)   | 0.006988 (0.0029759, 0.0132550)  |
| Kalimantan Tengah  | Other neonatal disorders                                 | All | 7,064.7 (2,170.2, 14,234.3)   | 0.005706 (0.0017527, 0.0114957)   | 5,132.2 (1,364.3, 11,468.0)   | 0.004528 (0.0012037, 0.0101178)  |
| Kalimantan Tengah  | Other communicable diseases                              | All | 17,873.5 (11,725.6, 25,948.5) | 0.014435 (0.0094697, 0.0209563)   | 12,571.1 (8,321.9, 18,341.9)  | 0.011091 (0.0073421, 0.0161824)  |
| Kalimantan Tengah  | Tracheal, bronchus, and lung cancer                      | All | 1,767.0 (593.9, 3,909.8)      | 0.001427 (0.0004796, 0.0031576)   | 701.3 (214.8, 1,698.1)        | 0.000619 (0.0001895, 0.0014981)  |
| Kalimantan Tengah  | Breast cancer                                            | All | 84.0 (24.6, 192.4)            | 0.000068 (0.0000198, 0.0001554)   | 4,769.5 (2,284.1, 8,253.9)    | 0.004208 (0.0020152, 0.0072821)  |
| Kalimantan Tengah  | Cervical cancer                                          | All |                               |                                   | 2,492.5 (686.7, 5,390.8)      | 0.002199 (0.0006058, 0.0047561)  |
| Kalimantan Tengah  | Other malignant neoplasms                                | All | 8,112.7 (4,591.4, 12,767.5)   | 0.006552 (0.0037081, 0.0103112)   | 4,827.1 (2,334.4, 8,750.7)    | 0.004259 (0.0020596, 0.0077204)  |
| Kalimantan Tengah  | Cerebrovascular disease                                  | All | 22,951.7 (16,139.2, 30,892.2) | 0.018536 (0.0130342, 0.0249488)   | 21,569.4 (16,157.0, 27,755.7) | 0.019030 (0.0142547, 0.0244877)  |
| Kalimantan Tengah  | Ischemic heart disease                                   | All | 25,461.9 (17,730.1, 35,707.8) | 0.020563 (0.0143190, 0.0288380)   | 15,457.1 (10,650.2, 21,652.7) | 0.013637 (0.0093963, 0.0191033)  |
| Kalimantan Tengah  | Other cardiovascular and circulatory diseases            | All | 5,248.7 (2,751.0, 9,122.3)    | 0.004239 (0.0022217, 0.0073672)   | 5,369.7 (2,785.8, 9,035.0)    | 0.004738 (0.0024578, 0.0079713)  |
| Kalimantan Tengah  | Diabetes mellitus                                        | All | 7,480.6 (4,734.8, 10,395.1)   | 0.006041 (0.0038239, 0.0083952)   | 18,209.6 (11,647.7, 25,970.8) | 0.016066 (0.0102763, 0.0229130)  |
| Kalimantan Tengah  | Chronic kidney disease                                   | All | 6,593.5 (4,457.6, 9,468.8)    | 0.005325 (0.0036000, 0.0076471)   | 5,207.0 (3,613.3, 7,334.2)    | 0.004594 (0.0031878, 0.0064707)  |
| Kalimantan Tengah  | Cirrhosis                                                | All | 9,014.4 (5,714.2, 14,015.6)   | 0.007280 (0.0046149, 0.0113192)   | 5,316.8 (2,525.8, 10,028.1)   | 0.004691 (0.0022284, 0.0088474)  |
| Kalimantan Tengah  | Chronic respiratory diseases                             | All | 8,554.7 (4,940.9, 13,333.5)   | 0.006909 (0.0039903, 0.0107683)   | 4,904.9 (2,851.3, 7,675.8)    | 0.004327 (0.0025156, 0.0067721)  |
| Kalimantan Tengah  | Other non-communicable diseases                          | All | 20,871.6 (15,209.1, 27,501.9) | 0.016856 (0.0122831, 0.0222109)   | 19,778.4 (14,702.3, 26,062.3) | 0.017450 (0.0129712, 0.0229937)  |
| Kalimantan Tengah  | Drowning                                                 | All | 5,179.4 (2,646.0, 8,731.2)    | 0.004183 (0.0021370, 0.0070514)   | 1,802.2 (805.5, 3,304.0)      | 0.001590 (0.0007107, 0.0029150)  |
| Kalimantan Tengah  | Falls                                                    | All | 2,493.2 (1,247.4, 4,347.5)    | 0.002014 (0.0010074, 0.0035111)   | 1,253.6 (628.7, 2,229.9)      | 0.001106 (0.0005547, 0.0019674)  |
| Kalimantan Tengah  | Interpersonal violence                                   | All | 1,963.1 (1,074.0, 3,388.6)    | 0.001585 (0.0008673, 0.0027366)   | 1,271.3 (626.0, 2,319.8)      | 0.001122 (0.0005523, 0.0020467)  |
| Kalimantan Tengah  | Self-harm                                                | All | 1,272.4 (572.4, 2,467.6)      | 0.001028 (0.0004623, 0.0019929)   | 673.0 (278.0, 1,354.8)        | 0.000594 (0.0002453, 0.0011953)  |
| Kalimantan Tengah  | Transport injuries                                       | All | 15,857.3 (10,210.7, 22,580.7) | 0.012807 (0.0082463, 0.0182364)   | 5,640.7 (3,471.4, 8,433.2)    | 0.004977 (0.0030627, 0.0074403)  |
| Kalimantan Tengah  | Other unintentional injuries                             | All | 9,192.9 (5,304.6, 14,230.5)   | 0.007424 (0.0042841, 0.0114927)   | 3,690.8 (1,991.3, 5,942.6)    | 0.003256 (0.0017568, 0.0052429)  |
| Kalimantan Selatan | Diarrheal diseases                                       | NN  | 1,656.3 (599.8, 3,316.8)      | 0.488302 (0.1768488, 0.9778558)   | 1,322.0 (505.6, 2,731.8)      | 0.424951 (0.1625284, 0.8780966)  |
| Kalimantan Selatan | Lower respiratory infections                             | NN  | 14,654.5 (6,869.4, 25,272.8)  | 4.320493 (2.0252440, 7.4510188)   | 9,068.0 (4,052.3, 16,456.3)   | 2.914763 (1.3025330, 5.2896099)  |
| Kalimantan Selatan | Malaria                                                  | NN  | 158.0 (26.3, 512.0)           | 0.046595 (0.0077483, 0.1509642)   | 98.7 (15.3, 351.8)            | 0.031727 (0.0049077, 0.1130669)  |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 38,121.6 (18,440.7, 61,564.9) | 11.239130 (5.4367471, 18.1507702) | 26,197.4 (12,636.8, 46,191.6) | 8.420734 (4.0618920, 14.8475704) |
| Kalimantan Selatan | Preterm birth complications                              | NN  | 23,504.2 (9,453.8, 40,992.7)  | 6.929584 (2.7872031, 12.0855904)  | 21,102.3 (9,182.0, 38,380.6)  | 6.783008 (2.9514220, 12.3368397) |
| Kalimantan Selatan | Other neonatal disorders                                 | NN  | 14,800.9 (3,985.5, 32,614.3)  | 4.363647 (1.1750040, 9.6154442)   | 9,487.6 (2,714.1, 21,175.0)   | 3.049632 (0.8723946, 6.8063612)  |
| Kalimantan Selatan | Other communicable diseases                              | NN  | 1,578.2 (585.0, 3,197.3)      | 0.465280 (0.1724859, 0.9426446)   | 869.3 (320.7, 1,804.8)        | 0.279428 (0.1030795, 0.5801309)  |
| Kalimantan Selatan | Other malignant neoplasms                                | NN  | 751.9 (264.7, 1,650.1)        | 0.221678 (0.0780528, 0.4864756)   | 619.4 (214.5, 1,399.7)        | 0.199082 (0.0689466, 0.4499237)  |
| Kalimantan Selatan | Cerebrovascular disease                                  | NN  | 133.2 (31.6, 348.6)           | 0.039285 (0.0093132, 0.1027624)   | 138.0 (35.2, 392.6)           | 0.044373 (0.0113233, 0.1261861)  |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | NN  | 213.0 (45.6, 588.8)           | 0.062807 (0.0134412, 0.1736029)   | 226.5 (52.3, 624.8)           | 0.072818 (0.0168204, 0.2008227)  |
| Kalimantan Selatan | Diabetes mellitus                                        | NN  | 48.9 (0.2, 379.8)             | 0.014428 (0.0000672, 0.1119692)   | 70.6 (0.4, 592.2)             | 0.022682 (0.0001205, 0.1903560)  |
| Kalimantan Selatan | Other non-communicable diseases                          | NN  | 10,592.7 (5,157.6, 17,259.7)  | 3.122975 (1.5205880, 5.0885501)   | 9,734.4 (4,893.9, 16,392.5)   | 3.128967 (1.5730770, 5.2691269)  |
| Kalimantan Selatan | Drowning                                                 | NN  | 1,586.6 (495.2, 3,669.7)      | 0.467752 (0.1460069, 1.0819190)   | 357.9 (104.1, 896.7)          | 0.115050 (0.0334622, 0.2882329)  |
| Kalimantan Selatan | Falls                                                    | NN  | 395.0 (103.4, 954.8)          | 0.116470 (0.0304972, 0.2815049)   | 125.2 (30.5, 319.2)           | 0.040253 (0.0098045, 0.1025999)  |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|--------------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                    |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Kalimantan Selatan | Interpersonal violence                                   | NN  | 277.9         | (74.9, 727.5)       | 0.081918                 | (0.0220789, 0.2144779) | 166.2         | (39.0, 421.0)       | 0.053438                 | (0.0125416, 0.1353374) |
| Kalimantan Selatan | Transport injuries                                       | NN  | 958.3         | (287.4, 2,318.8)    | 0.282538                 | (0.0847323, 0.6836438) | 230.5         | (66.2, 573.4)       | 0.074075                 | (0.0212768, 0.1843239) |
| Kalimantan Selatan | Other unintentional injuries                             | NN  | 2,121.6       | (703.3, 4,624.1)    | 0.625497                 | (0.2073420, 1.3632920) | 690.0         | (234.4, 1,566.8)    | 0.221775                 | (0.0753528, 0.5036322) |
| Kalimantan Selatan | Diarrheal diseases                                       | PNN | 407.2         | (183.0, 715.3)      | 0.009619                 | (0.0043223, 0.0168949) | 418.6         | (193.3, 735.5)      | 0.010780                 | (0.0049791, 0.0189401) |
| Kalimantan Selatan | HIV/AIDS                                                 | PNN | 8.0           | (1.2, 25.9)         | 0.000189                 | (0.0000272, 0.0006118) | 6.1           | (0.8, 21.0)         | 0.000157                 | (0.0000215, 0.0005404) |
| Kalimantan Selatan | Lower respiratory infections                             | PNN | 304.9         | (145.1, 520.9)      | 0.007202                 | (0.0034278, 0.0123038) | 226.6         | (101.5, 399.0)      | 0.005836                 | (0.0026149, 0.0102749) |
| Kalimantan Selatan | Malaria                                                  | PNN | 37.5          | (7.0, 124.9)        | 0.000886                 | (0.0001656, 0.0029511) | 30.3          | (5.5, 106.1)        | 0.000781                 | (0.0001415, 0.0027319) |
| Kalimantan Selatan | Tuberculosis                                             | PNN | 56.0          | (22.3, 114.4)       | 0.001324                 | (0.0005257, 0.0027030) | 46.1          | (17.6, 99.1)        | 0.001186                 | (0.0004529, 0.0025524) |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 29.5          | (7.8, 71.3)         | 0.000698                 | (0.0001848, 0.0016841) | 23.1          | (5.7, 59.8)         | 0.000594                 | (0.0001455, 0.0015397) |
| Kalimantan Selatan | Preterm birth complications                              | PNN | 38.3          | (12.5, 82.0)        | 0.000904                 | (0.0002962, 0.0019357) | 45.0          | (13.0, 103.3)       | 0.001158                 | (0.0003351, 0.0026596) |
| Kalimantan Selatan | Other neonatal disorders                                 | PNN | 37.6          | (6.7, 103.9)        | 0.000889                 | (0.0001589, 0.0024533) | 28.5          | (5.3, 77.7)         | 0.000735                 | (0.0001361, 0.0020003) |
| Kalimantan Selatan | Other communicable diseases                              | PNN | 430.4         | (204.7, 744.9)      | 0.010165                 | (0.0048348, 0.0175953) | 306.1         | (135.0, 570.5)      | 0.007882                 | (0.0034757, 0.0146923) |
| Kalimantan Selatan | Other malignant neoplasms                                | PNN | 10.2          | (3.6, 22.0)         | 0.000241                 | (0.0000850, 0.0005198) | 9.9           | (3.3, 21.8)         | 0.000255                 | (0.0000843, 0.0005616) |
| Kalimantan Selatan | Cerebrovascular disease                                  | PNN | 1.8           | (0.4, 4.7)          | 0.000043                 | (0.0000105, 0.0001101) | 2.2           | (0.6, 5.9)          | 0.000057                 | (0.0000145, 0.0001508) |
| Kalimantan Selatan | Ischemic heart disease                                   | PNN | 0.9           | (0.1, 4.3)          | 0.000022                 | (0.0000016, 0.0001011) | 1.1           | (0.1, 5.0)          | 0.000029                 | (0.0000019, 0.0001299) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | PNN | 2.9           | (0.7, 7.6)          | 0.000068                 | (0.0000158, 0.0001795) | 3.6           | (0.8, 9.9)          | 0.000093                 | (0.0000210, 0.0002548) |
| Kalimantan Selatan | Diabetes mellitus                                        | PNN | 0.7           | (0.0, 5.4)          | 0.000016                 | (0.0000001, 0.0001287) | 1.2           | (0.0, 9.6)          | 0.000030                 | (0.0000001, 0.0002474) |
| Kalimantan Selatan | Chronic kidney disease                                   | PNN | 10.2          | (3.4, 21.7)         | 0.000240                 | (0.0000803, 0.0005129) | 9.1           | (2.9, 20.0)         | 0.000234                 | (0.0000756, 0.0005150) |
| Kalimantan Selatan | Other non-communicable diseases                          | PNN | 142.6         | (68.6, 234.4)       | 0.003368                 | (0.0016204, 0.0055374) | 154.3         | (71.1, 270.9)       | 0.003973                 | (0.0018316, 0.0069777) |
| Kalimantan Selatan | Drowning                                                 | PNN | 26.3          | (8.8, 55.0)         | 0.000621                 | (0.0002067, 0.0013003) | 7.0           | (2.1, 16.5)         | 0.000179                 | (0.0000528, 0.0004260) |
| Kalimantan Selatan | Falls                                                    | PNN | 6.3           | (2.0, 15.3)         | 0.000148                 | (0.0000462, 0.0003609) | 2.3           | (0.7, 5.6)          | 0.000060                 | (0.0000168, 0.0001432) |
| Kalimantan Selatan | Interpersonal violence                                   | PNN | 4.3           | (1.2, 10.7)         | 0.000102                 | (0.0000278, 0.0002524) | 3.1           | (0.7, 7.4)          | 0.000079                 | (0.0000187, 0.0001917) |
| Kalimantan Selatan | Transport injuries                                       | PNN | 15.6          | (4.8, 36.8)         | 0.000369                 | (0.0001137, 0.0008696) | 4.4           | (1.3, 11.0)         | 0.000114                 | (0.0000336, 0.0002836) |
| Kalimantan Selatan | Other unintentional injuries                             | PNN | 33.2          | (11.4, 68.6)        | 0.000785                 | (0.0002690, 0.0016214) | 12.8          | (4.4, 28.5)         | 0.000328                 | (0.0001141, 0.0007350) |
| Kalimantan Selatan | Diarrheal diseases                                       | 1   | 3,341.4       | (1,240.4, 6,857.0)  | 0.019979                 | (0.0074165, 0.0409986) | 4,854.3       | (1,999.4, 9,369.9)  | 0.030408                 | (0.0125246, 0.0586946) |
| Kalimantan Selatan | HIV/AIDS                                                 | 1   | 149.7         | (20.5, 531.7)       | 0.000895                 | (0.0001226, 0.0031793) | 160.4         | (21.7, 606.9)       | 0.001005                 | (0.0001361, 0.0038015) |
| Kalimantan Selatan | Lower respiratory infections                             | 1   | 5,584.6       | (2,107.0, 11,591.8) | 0.033391                 | (0.0125980, 0.0693088) | 5,843.7       | (2,527.3, 11,606.5) | 0.036606                 | (0.0158315, 0.0727049) |
| Kalimantan Selatan | Malaria                                                  | 1   | 251.4         | (38.2, 860.3)       | 0.001503                 | (0.0002282, 0.0051441) | 282.3         | (51.5, 950.2)       | 0.001768                 | (0.0003225, 0.0059525) |
| Kalimantan Selatan | Tuberculosis                                             | 1   | 1,103.0       | (373.6, 2,464.8)    | 0.006595                 | (0.0022339, 0.0147372) | 1,275.7       | (466.0, 2,743.4)    | 0.007991                 | (0.0029190, 0.0171853) |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 275.7         | (65.8, 794.0)       | 0.001648                 | (0.0003933, 0.0047475) | 288.8         | (67.7, 822.5)       | 0.001809                 | (0.0004239, 0.0051521) |
| Kalimantan Selatan | Preterm birth complications                              | 1   | 70.0          | (9.9, 263.8)        | 0.000419                 | (0.0000591, 0.0015772) | 109.6         | (18.0, 385.2)       | 0.000687                 | (0.0001125, 0.0024132) |
| Kalimantan Selatan | Other neonatal disorders                                 | 1   | 54.8          | (0.3, 412.5)        | 0.000328                 | (0.0000019, 0.0024664) | 53.8          | (0.3, 374.4)        | 0.000337                 | (0.0000018, 0.0023452) |
| Kalimantan Selatan | Other communicable diseases                              | 1   | 7,674.8       | (3,022.9, 15,467.2) | 0.045889                 | (0.0180745, 0.0924802) | 7,893.1       | (3,386.3, 15,551.5) | 0.049444                 | (0.0212125, 0.0974169) |
| Kalimantan Selatan | Other malignant neoplasms                                | 1   | 122.3         | (36.0, 294.8)       | 0.000731                 | (0.0002155, 0.0017626) | 181.0         | (58.3, 412.0)       | 0.001134                 | (0.0003654, 0.0025808) |
| Kalimantan Selatan | Cerebrovascular disease                                  | 1   | 24.5          | (4.8, 69.8)         | 0.000147                 | (0.0000290, 0.0004174) | 44.8          | (10.4, 115.3)       | 0.000281                 | (0.0000651, 0.0007221) |
| Kalimantan Selatan | Ischemic heart disease                                   | 1   | 12.7          | (0.7, 64.6)         | 0.000076                 | (0.0000043, 0.0003862) | 23.2          | (1.3, 113.2)        | 0.000146                 | (0.0000084, 0.0007089) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | 1   | 35.5          | (6.8, 102.4)        | 0.000212                 | (0.0000409, 0.0006122) | 68.7          | (15.5, 200.2)       | 0.000431                 | (0.0000972, 0.0012542) |
| Kalimantan Selatan | Diabetes mellitus                                        | 1   | 7.5           | (0.0, 57.9)         | 0.000045                 | (0.0000002, 0.0003462) | 20.5          | (0.1, 142.1)        | 0.000128                 | (0.0000006, 0.0008904) |
| Kalimantan Selatan | Chronic kidney disease                                   | 1   | 118.5         | (33.9, 296.3)       | 0.000709                 | (0.0002026, 0.0017714) | 162.0         | (49.2, 400.9)       | 0.001015                 | (0.0003082, 0.0025116) |
| Kalimantan Selatan | Cirrhosis                                                | 1   | 239.7         | (62.9, 623.8)       | 0.001433                 | (0.0003763, 0.0037297) | 205.8         | (57.2, 508.8)       | 0.001289                 | (0.0003581, 0.0031873) |
| Kalimantan Selatan | Chronic respiratory diseases                             | 1   | 312.0         | (89.8, 767.0)       | 0.001866                 | (0.0005370, 0.0045861) | 205.6         | (55.1, 513.1)       | 0.001288                 | (0.0003450, 0.0032144) |
| Kalimantan Selatan | Other non-communicable diseases                          | 1   | 1,732.0       | (676.7, 3,593.9)    | 0.010356                 | (0.0040463, 0.0214882) | 2,848.5       | (1,312.7, 5,712.7)  | 0.017843                 | (0.0082228, 0.0357853) |
| Kalimantan Selatan | Drowning                                                 | 1   | 1,293.5       | (414.7, 2,933.9)    | 0.007734                 | (0.0024797, 0.0175421) | 518.7         | (167.6, 1,151.6)    | 0.003249                 | (0.0010500, 0.0072137) |
| Kalimantan Selatan | Falls                                                    | 1   | 219.1         | (57.2, 579.1)       | 0.001310                 | (0.0003421, 0.0034624) | 121.9         | (31.2, 302.2)       | 0.000764                 | (0.0001956, 0.0018933) |
| Kalimantan Selatan | Interpersonal violence                                   | 1   | 123.2         | (34.0, 314.9)       | 0.000737                 | (0.0002035, 0.0018826) | 129.1         | (37.8, 341.4)       | 0.000808                 | (0.0002366, 0.0021383) |
| Kalimantan Selatan | Transport injuries                                       | 1   | 692.3         | (193.2, 1,675.9)    | 0.004139                 | (0.0011550, 0.0100204) | 295.2         | (87.3, 750.6)       | 0.001849                 | (0.0005471, 0.0047019) |
| Kalimantan Selatan | Other unintentional injuries                             | 1   | 993.9         | (314.4, 2,449.9)    | 0.005943                 | (0.0018797, 0.0146480) | 569.6         | (185.9, 1,290.6)    | 0.003568                 | (0.0011644, 0.0080846) |
| Kalimantan Selatan | Diarrheal diseases                                       | 5   | 1,591.1       | (960.0, 2,395.7)    | 0.007599                 | (0.0045850, 0.0114423) | 1,543.3       | (977.3, 2,258.3)    | 0.007828                 | (0.0049567, 0.0114541) |
| Kalimantan Selatan | HIV/AIDS                                                 | 5   | 50.5          | (6.2, 161.6)        | 0.000241                 | (0.0000296, 0.0007719) | 35.4          | (4.3, 118.1)        | 0.000180                 | (0.0000218, 0.0005990) |
| Kalimantan Selatan | Lower respiratory infections                             | 5   | 1,806.0       | (1,228.2, 2,488.2)  | 0.008626                 | (0.0058661, 0.0118841) | 1,243.1       | (829.2, 1,760.4)    | 0.006305                 | (0.0042058, 0.0089288) |



Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Malaria                                       | 5   | 118.8 (25.1, 356.7)        | 0.000567 (0.0001201, 0.0017035) | 89.0 (20.5, 247.7)         | 0.000451 (0.0001041, 0.0012564) |
| Kalimantan Selatan | Tuberculosis                                  | 5   | 505.2 (278.4, 834.3)       | 0.002413 (0.0013297, 0.0039850) | 386.9 (215.3, 655.9)       | 0.001962 (0.0010921, 0.003268)  |
| Kalimantan Selatan | Other communicable diseases                   | 5   | 3,592.8 (2,631.7, 4,689.2) | 0.017160 (0.0125697, 0.0223966) | 2,462.6 (1,762.3, 3,206.9) | 0.012490 (0.0089384, 0.0162656) |
| Kalimantan Selatan | Other malignant neoplasms                     | 5   | 452.6 (253.1, 738.8)       | 0.002162 (0.0012090, 0.0035289) | 451.5 (254.5, 713.0)       | 0.002290 (0.0012908, 0.0036164) |
| Kalimantan Selatan | Cerebrovascular disease                       | 5   | 60.0 (26.9, 118.3)         | 0.000287 (0.0001283, 0.0005649) | 73.6 (34.7, 145.9)         | 0.000373 (0.0001759, 0.0007403) |
| Kalimantan Selatan | Ischemic heart disease                        | 5   | 35.9 (12.9, 77.6)          | 0.000171 (0.0000617, 0.0003704) | 44.0 (17.0, 88.7)          | 0.000223 (0.0000862, 0.0004501) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 5   | 99.4 (39.0, 218.5)         | 0.000475 (0.0001861, 0.0010436) | 125.1 (53.4, 256.7)        | 0.000635 (0.0002707, 0.0013019) |
| Kalimantan Selatan | Diabetes mellitus                             | 5   | 56.5 (18.5, 129.4)         | 0.000270 (0.0000885, 0.0006179) | 104.6 (36.8, 236.8)        | 0.000530 (0.0001866, 0.0012011) |
| Kalimantan Selatan | Chronic kidney disease                        | 5   | 150.3 (70.4, 282.8)        | 0.000718 (0.0003365, 0.0013509) | 139.9 (68.9, 254.0)        | 0.000710 (0.0003497, 0.0012884) |
| Kalimantan Selatan | Cirrhosis                                     | 5   | 386.3 (194.7, 641.9)       | 0.001845 (0.0009299, 0.0030656) | 228.0 (114.1, 396.1)       | 0.001157 (0.0005788, 0.0020090) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 5   | 156.5 (62.2, 309.1)        | 0.000748 (0.0002972, 0.0014762) | 67.8 (25.5, 137.6)         | 0.000344 (0.0001292, 0.0006978) |
| Kalimantan Selatan | Other non-communicable diseases               | 5   | 933.2 (623.2, 1,311.2)     | 0.004457 (0.0029767, 0.0062627) | 1,032.2 (712.3, 1,383.8)   | 0.005235 (0.0036130, 0.0070190) |
| Kalimantan Selatan | Drowning                                      | 5   | 2,736.1 (1,753.9, 3,763.8) | 0.013068 (0.0083771, 0.0179769) | 1,035.9 (588.2, 1,587.5)   | 0.005254 (0.0029832, 0.0080520) |
| Kalimantan Selatan | Falls                                         | 5   | 255.8 (99.7, 493.3)        | 0.001222 (0.0004761, 0.0023561) | 118.7 (47.2, 234.8)        | 0.000602 (0.0002393, 0.0011908) |
| Kalimantan Selatan | Interpersonal violence                        | 5   | 64.6 (25.5, 142.6)         | 0.000308 (0.0001219, 0.0006812) | 56.1 (22.6, 116.1)         | 0.000285 (0.0001149, 0.0005887) |
| Kalimantan Selatan | Transport injuries                            | 5   | 1,505.4 (823.5, 2,376.4)   | 0.007190 (0.0039334, 0.0113502) | 573.2 (292.4, 1,003.6)     | 0.002908 (0.0014829, 0.0050905) |
| Kalimantan Selatan | Other unintentional injuries                  | 5   | 601.4 (315.3, 1,023.3)     | 0.002873 (0.0015061, 0.0048878) | 291.0 (141.7, 517.8)       | 0.001476 (0.0007189, 0.0026263) |
| Kalimantan Selatan | Diarrheal diseases                            | 10  | 721.4 (401.0, 1,165.5)     | 0.003794 (0.0021084, 0.0061283) | 684.1 (388.2, 1,076.6)     | 0.003771 (0.0021401, 0.0059346) |
| Kalimantan Selatan | HIV/AIDS                                      | 10  | 45.5 (7.9, 147.8)          | 0.000239 (0.0000413, 0.0007773) | 29.9 (5.5, 92.9)           | 0.000165 (0.0000302, 0.0005122) |
| Kalimantan Selatan | Lower respiratory infections                  | 10  | 1,055.9 (634.6, 1,578.7)   | 0.005552 (0.0033371, 0.0083015) | 677.8 (394.9, 1,027.0)     | 0.003736 (0.0021770, 0.0056609) |
| Kalimantan Selatan | Malaria                                       | 10  | 222.4 (62.5, 578.1)        | 0.001170 (0.0003284, 0.0030400) | 155.3 (42.9, 398.2)        | 0.000856 (0.0002364, 0.0021950) |
| Kalimantan Selatan | Tuberculosis                                  | 10  | 1,032.0 (628.1, 1,533.3)   | 0.005427 (0.0033026, 0.0080628) | 714.5 (437.1, 1,079.4)     | 0.003938 (0.0024092, 0.0059501) |
| Kalimantan Selatan | Maternal disorders                            | 10  |                            |                                 | 46.5 (7.3, 130.7)          | 0.000256 (0.0000404, 0.0007202) |
| Kalimantan Selatan | Other communicable diseases                   | 10  | 2,433.4 (1,782.2, 3,140.3) | 0.012796 (0.0093715, 0.0165128) | 1,611.6 (1,164.8, 2,106.8) | 0.008884 (0.0064207, 0.0116133) |
| Kalimantan Selatan | Other malignant neoplasms                     | 10  | 616.4 (383.3, 915.0)       | 0.003241 (0.0020157, 0.0048112) | 582.5 (361.4, 862.3)       | 0.003211 (0.0019920, 0.0047534) |
| Kalimantan Selatan | Cerebrovascular disease                       | 10  | 89.8 (48.1, 154.3)         | 0.000472 (0.0002529, 0.0008115) | 102.8 (57.2, 167.5)        | 0.000567 (0.0003154, 0.0009232) |
| Kalimantan Selatan | Ischemic heart disease                        | 10  | 81.1 (40.4, 138.2)         | 0.000426 (0.0002123, 0.0007264) | 90.4 (48.8, 151.3)         | 0.000498 (0.0002689, 0.0008340) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 10  | 138.2 (66.0, 251.0)        | 0.000727 (0.0003471, 0.0013201) | 162.1 (78.5, 296.3)        | 0.000893 (0.0004326, 0.0016333) |
| Kalimantan Selatan | Diabetes mellitus                             | 10  | 74.4 (34.3, 139.8)         | 0.000391 (0.0001802, 0.0007349) | 129.3 (64.4, 231.2)        | 0.000713 (0.0003549, 0.0012744) |
| Kalimantan Selatan | Chronic kidney disease                        | 10  | 197.9 (108.4, 326.5)       | 0.001041 (0.0005699, 0.0017169) | 170.9 (96.9, 276.8)        | 0.000942 (0.0005343, 0.0015259) |
| Kalimantan Selatan | Cirrhosis                                     | 10  | 408.9 (240.8, 636.7)       | 0.002150 (0.0012664, 0.0033479) | 230.7 (134.8, 375.8)       | 0.001272 (0.0007430, 0.0020715) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 10  | 269.0 (127.1, 463.1)       | 0.001414 (0.0006685, 0.0024349) | 109.9 (49.7, 196.4)        | 0.000606 (0.0002738, 0.0010827) |
| Kalimantan Selatan | Other non-communicable diseases               | 10  | 1,003.7 (716.6, 1,342.6)   | 0.005278 (0.0037681, 0.0070595) | 1,027.6 (739.7, 1,338.6)   | 0.005664 (0.0040772, 0.0073786) |
| Kalimantan Selatan | Drowning                                      | 10  | 1,428.5 (780.9, 2,184.0)   | 0.007512 (0.0041064, 0.0114842) | 487.4 (233.5, 815.3)       | 0.002687 (0.0012873, 0.0044943) |
| Kalimantan Selatan | Falls                                         | 10  | 219.0 (90.0, 434.5)        | 0.001152 (0.0004730, 0.0022847) | 95.2 (37.7, 188.3)         | 0.000525 (0.0002081, 0.0010377) |
| Kalimantan Selatan | Interpersonal violence                        | 10  | 101.3 (54.5, 176.8)        | 0.000533 (0.0002866, 0.0009298) | 77.2 (38.6, 135.6)         | 0.000426 (0.0002126, 0.0007434) |
| Kalimantan Selatan | Self-harm                                     | 10  | 161.3 (72.8, 311.2)        | 0.000848 (0.0003827, 0.0016361) | 105.5 (48.2, 203.8)        | 0.000582 (0.0002655, 0.0011232) |
| Kalimantan Selatan | Transport injuries                            | 10  | 2,174.2 (1,428.7, 3,107.5) | 0.011432 (0.0075124, 0.0163400) | 800.3 (469.4, 1,241.6)     | 0.004412 (0.0025875, 0.0068443) |
| Kalimantan Selatan | Other unintentional injuries                  | 10  | 589.2 (341.0, 941.6)       | 0.003098 (0.0017933, 0.0049511) | 256.4 (136.6, 433.1)       | 0.001413 (0.0007527, 0.0023874) |
| Kalimantan Selatan | Diarrheal diseases                            | 15  | 545.1 (257.2, 1,011.6)     | 0.002944 (0.0013894, 0.0054639) | 373.4 (177.4, 687.0)       | 0.002087 (0.0009915, 0.0038394) |
| Kalimantan Selatan | HIV/AIDS                                      | 15  | 57.2 (9.1, 211.0)          | 0.000309 (0.0000492, 0.0011394) | 28.7 (4.4, 103.4)          | 0.000160 (0.0000245, 0.0005777) |
| Kalimantan Selatan | Lower respiratory infections                  | 15  | 748.7 (383.2, 1,280.9)     | 0.004044 (0.0020696, 0.0069186) | 325.0 (165.5, 569.2)       | 0.001816 (0.0009246, 0.0031812) |
| Kalimantan Selatan | Malaria                                       | 15  | 629.5 (197.5, 1,445.0)     | 0.003400 (0.0010669, 0.0078045) | 345.0 (99.8, 809.2)        | 0.001928 (0.0005576, 0.0045221) |
| Kalimantan Selatan | Tuberculosis                                  | 15  | 2,283.2 (1,521.2, 3,159.5) | 0.012332 (0.0082161, 0.0170653) | 1,158.8 (771.5, 1,643.3)   | 0.006476 (0.0043114, 0.0091834) |
| Kalimantan Selatan | Maternal disorders                            | 15  |                            |                                 | 614.4 (302.6, 1,053.2)     | 0.003433 (0.0016909, 0.0058855) |
| Kalimantan Selatan | Other communicable diseases                   | 15  | 2,314.9 (1,457.9, 3,322.0) | 0.012503 (0.0078745, 0.0179427) | 1,060.7 (616.9, 1,587.0)   | 0.005927 (0.0034477, 0.008686)  |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 15  | 93.4 (21.9, 238.6)         | 0.000505 (0.0001181, 0.0012888) | 29.3 (7.0, 79.0)           | 0.000164 (0.0000390, 0.0004416) |
| Kalimantan Selatan | Breast cancer                                 | 15  | 2.8 (0.3, 11.3)            | 0.000015 (0.0000014, 0.0000611) | 75.8 (18.0, 192.0)         | 0.000423 (0.0001007, 0.0010727) |
| Kalimantan Selatan | Cervical cancer                               | 15  |                            |                                 | 71.9 (15.6, 209.6)         | 0.000402 (0.0000875, 0.0011713) |
| Kalimantan Selatan | Other malignant neoplasms                     | 15  | 921.0 (561.2, 1,387.6)     | 0.004975 (0.0030314, 0.0074949) | 875.7 (537.0, 1,339.9)     | 0.004894 (0.0030011, 0.0074876) |
| Kalimantan Selatan | Cerebrovascular disease                       | 15  | 218.5 (123.4, 364.3)       | 0.001180 (0.0006664, 0.0019674) | 195.6 (108.6, 318.6)       | 0.001093 (0.0006068, 0.0017802) |
| Kalimantan Selatan | Ischemic heart disease                        | 15  | 318.3 (173.5, 511.5)       | 0.001719 (0.0009373, 0.0027630) | 250.5 (139.3, 398.9)       | 0.001400 (0.0007785, 0.0022291) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 15  | 274.7 (129.7, 518.5)       | 0.001484 (0.0007004, 0.0028004) | 285.2 (130.4, 536.2)       | 0.001594 (0.0007287, 0.0029962) |
| Kalimantan Selatan | Diabetes mellitus                             | 15  | 147.3 (69.7, 270.5)        | 0.000796 (0.0003766, 0.0014610) | 232.3 (109.8, 408.7)       | 0.001298 (0.0006138, 0.0022838) |
| Kalimantan Selatan | Chronic kidney disease                        | 15  | 352.5 (198.1, 577.2)       | 0.001904 (0.0010700, 0.0031176) | 283.6 (157.1, 467.2)       | 0.001585 (0.0008778, 0.0026108) |
| Kalimantan Selatan | Cirrhosis                                     | 15  | 656.0 (389.4, 1,062.8)     | 0.003543 (0.0021031, 0.0057401) | 322.1 (180.0, 552.3)       | 0.001800 (0.0010058, 0.0030862) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 15  | 296.4 (147.0, 524.1)       | 0.001601 (0.0007939, 0.0028310) | 130.6 (60.4, 246.6)        | 0.000730 (0.0003378, 0.0013781) |
| Kalimantan Selatan | Other non-communicable diseases               | 15  | 1,550.4 (1,070.8, 2,149.5) | 0.008374 (0.0057834, 0.0116097) | 1,311.6 (915.8, 1,770.3)   | 0.007330 (0.0051176, 0.0098928) |
| Kalimantan Selatan | Drowning                                      | 15  | 1,228.3 (589.6, 2,146.5)   | 0.006634 (0.0031847, 0.0115939) | 303.5 (124.9, 589.9)       | 0.001696 (0.0006978, 0.0032967) |
| Kalimantan Selatan | Falls                                         | 15  | 295.1 (127.5, 554.8)       | 0.001594 (0.0006888, 0.0029964) | 102.8 (40.5, 206.3)        | 0.000574 (0.0002264, 0.0011529) |
| Kalimantan Selatan | Interpersonal violence                        | 15  | 288.4 (165.7, 466.7)       | 0.001558 (0.0008951, 0.0025208) | 208.6 (108.5, 359.4)       | 0.001166 (0.0006064, 0.0020083) |
| Kalimantan Selatan | Self-harm                                     | 15  | 377.3 (212.9, 607.3)       | 0.002038 (0.0011499, 0.0032800) | 240.1 (127.9, 417.9)       | 0.001342 (0.0007145, 0.0023355) |
| Kalimantan Selatan | Transport injuries                            | 15  | 7,944.3 (6,068.4, 9,774.4) | 0.042909 (0.0327766, 0.0527935) | 2,860.1 (2,069.6, 3,758.6) | 0.015983 (0.0115654, 0.0210041) |
| Kalimantan Selatan | Other unintentional injuries                  | 15  | 1,151.1 (701.3, 1,757.7)   | 0.006217 (0.0037878, 0.0094937) | 438.4 (235.8, 713.6)       | 0.002450 (0.0013180, 0.0039876) |
| Kalimantan Selatan | Diarrheal diseases                            | 20  | 542.3 (267.7, 1,003.9)     | 0.003084 (0.0015223, 0.0057087) | 392.2 (184.9, 719.7)       | 0.002213 (0.0010435, 0.0040617) |
| Kalimantan Selatan | HIV/AIDS                                      | 20  | 206.9 (40.4, 619.0)        | 0.001176 (0.0002295, 0.0035198) | 105.6 (20.5, 309.6)        | 0.000596 (0.0001159, 0.0017472) |
| Kalimantan Selatan | Lower respiratory infections                  | 20  | 757.8 (379.2, 1,316.5)     | 0.004309 (0.0021565, 0.0074861) | 327.7 (168.1, 587.5)       | 0.001850 (0.0009489, 0.0033159) |
| Kalimantan Selatan | Malaria                                       | 20  | 854.4 (262.7, 1,906.3)     | 0.004859 (0.0014938, 0.0108398) | 445.3 (124.4, 1,013.3)     | 0.002514 (0.0007023, 0.0057187) |
| Kalimantan Selatan | Tuberculosis                                  | 20  | 4,989.0 (3,617.9, 6,552.5) | 0.028369 (0.0205727, 0.0372599) | 2,213.4 (1,565.2, 2,993.3) | 0.012492 (0.0088336, 0.0168941) |
| Kalimantan Selatan | Maternal disorders                            | 20  |                            |                                 | 696.2 (360.3, 1,222.6)     | 0.003929 (0.0020338, 0.0069001) |
| Kalimantan Selatan | Other communicable diseases                   | 20  | 2,931.5 (1,815.8, 4,165.8) | 0.016670 (0.0103254, 0.0236883) | 1,459.4 (892.2, 2,137.3)   | 0.008237 (0.0050353, 0.0120629) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 20  | 95.2 (25.1, 260.5)         | 0.000541 (0.0001427, 0.0014811) | 52.1 (14.3, 143.8)         | 0.000294 (0.0000805, 0.0008116) |
| Kalimantan Selatan | Breast cancer                                 | 20  | 5.6 (0.9, 17.2)            | 0.000032 (0.0000051, 0.0000981) | 260.3 (89.3, 543.8)        | 0.001469 (0.0005039, 0.0030694) |
| Kalimantan Selatan | Cervical cancer                               | 20  |                            |                                 | 172.6 (53.1, 417.1)        | 0.000974 (0.0002995, 0.0023538) |
| Kalimantan Selatan | Other malignant neoplasms                     | 20  | 1,053.3 (634.3, 1,615.1)   | 0.005990 (0.0036066, 0.0091840) | 1,093.3 (676.1, 1,649.5)   | 0.006170 (0.0038160, 0.0093099) |
| Kalimantan Selatan | Cerebrovascular disease                       | 20  | 454.0 (279.0, 680.0)       | 0.002582 (0.0015865, 0.0038669) | 340.6 (212.6, 519.5)       | 0.001922 (0.0011998, 0.0029317) |
| Kalimantan Selatan | Ischemic heart disease                        | 20  | 635.9 (376.5, 977.0)       | 0.003616 (0.0021408, 0.0055557) | 328.9 (195.2, 504.9)       | 0.001856 (0.0011016, 0.0028493) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 20  | 478.0 (262.6, 784.9)       | 0.002718 (0.0014930, 0.0044635) | 446.6 (254.2, 712.3)       | 0.002521 (0.0014347, 0.0040200) |
| Kalimantan Selatan | Diabetes mellitus                             | 20  | 160.8 (84.9, 269.3)        | 0.000915 (0.0004826, 0.0015316) | 233.8 (123.3, 392.2)       | 0.001319 (0.0006957, 0.0022133) |
| Kalimantan Selatan | Chronic kidney disease                        | 20  | 628.1 (360.2, 978.0)       | 0.003572 (0.0020485, 0.0055612) | 452.0 (262.7, 709.5)       | 0.002551 (0.0014827, 0.0040041) |
| Kalimantan Selatan | Cirrhosis                                     | 20  | 1,137.6 (689.8, 1,709.1)   | 0.006469 (0.0039227, 0.0097186) | 544.3 (328.9, 882.6)       | 0.003072 (0.0018564, 0.0049816) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 20  | 738.1 (394.5, 1,195.0)     | 0.004197 (0.0022432, 0.0067953) | 377.7 (187.7, 620.4)       | 0.002132 (0.0010594, 0.0035012) |
| Kalimantan Selatan | Other non-communicable diseases               | 20  | 1,664.6 (1,125.3, 2,317.0) | 0.009465 (0.0063990, 0.0131754) | 1,235.1 (826.0, 1,720.9)   | 0.006971 (0.0046617, 0.0097123) |
| Kalimantan Selatan | Drowning                                      | 20  | 893.4 (387.9, 1,664.3)     | 0.005080 (0.0022058, 0.0094638) | 217.0 (83.9, 428.1)        | 0.001225 (0.0004733, 0.0024163) |
| Kalimantan Selatan | Falls                                         | 20  | 297.1 (125.9, 543.3)       | 0.001690 (0.0007162, 0.0030893) | 97.7 (39.5, 190.8)         | 0.000551 (0.0002227, 0.0010768) |
| Kalimantan Selatan | Interpersonal violence                        | 20  | 390.6 (227.6, 644.0)       | 0.002221 (0.0012945, 0.0036621) | 221.8 (112.1, 384.1)       | 0.001252 (0.0006327, 0.0021676) |
| Kalimantan Selatan | Self-harm                                     | 20  | 443.9 (253.0, 718.7)       | 0.002524 (0.0014389, 0.0040866) | 216.2 (117.2, 383.9)       | 0.001220 (0.0006613, 0.0021664) |
| Kalimantan Selatan | Transport injuries                            | 20  | 7,084.7 (5,074.8, 9,224.6) | 0.040286 (0.0288571, 0.0524546) | 2,089.8 (1,402.7, 2,903.9) | 0.011795 (0.0079164, 0.0163894) |
| Kalimantan Selatan | Other unintentional injuries                  | 20  | 1,386.4 (833.9, 2,150.8)   | 0.007884 (0.0047420, 0.0122303) | 449.6 (241.0, 742.1)       | 0.002537 (0.0013601, 0.0041884) |
| Kalimantan Selatan | Diarrheal diseases                            | 25  | 815.1 (407.9, 1,445.3)     | 0.004374 (0.0021890, 0.0077567) | 601.6 (288.9, 1,047.8)     | 0.003202 (0.0015372, 0.0055762) |
| Kalimantan Selatan | HIV/AIDS                                      | 25  | 403.0 (86.3, 1,118.3)      | 0.002163 (0.0004634, 0.0060016) | 213.7 (44.8, 594.5)        | 0.001137 (0.0002385, 0.0031636) |
| Kalimantan Selatan | Lower respiratory infections                  | 25  | 857.7 (424.4, 1,507.5)     | 0.004603 (0.0022774, 0.0080907) | 370.8 (184.2, 667.1)       | 0.001973 (0.0009803, 0.0035500) |
| Kalimantan Selatan | Malaria                                       | 25  | 957.9 (312.4, 2,157.4)     | 0.005141 (0.0016765, 0.0115785) | 495.6 (141.0, 1,194.9)     | 0.002637 (0.0007502, 0.0063586) |
| Kalimantan Selatan | Tuberculosis                                  | 25  | 7,306.4 (5,421.1, 9,409.6) | 0.039213 (0.0290946, 0.0505001) | 3,106.3 (2,126.3, 4,241.5) | 0.016531 (0.0113152, 0.0225711) |
| Kalimantan Selatan | Maternal disorders                            | 25  |                            |                                 | 804.0 (411.3, 1,421.3)     | 0.004278 (0.0021888, 0.0075636) |
| Kalimantan Selatan | Other communicable diseases                   | 25  | 3,305.6 (2,076.9, 4,752.5) | 0.017741 (0.0111463, 0.0255062) | 1,692.0 (1,022.7, 2,532.2) | 0.009004 (0.0054423, 0.0134753) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 25  | 112.9 (29.3, 310.4)        | 0.000606 (0.0001574, 0.0016659) | 76.7 (22.8, 202.4)         | 0.000408 (0.0001212, 0.0010772) |
| Kalimantan Selatan | Breast cancer                                 | 25  | 5.6 (1.1, 15.5)            | 0.000030 (0.0000061, 0.0000832) | 587.8 (235.8, 1,077.2)     | 0.003128 (0.0012548, 0.0057321) |
| Kalimantan Selatan | Cervical cancer                               | 25  |                            |                                 | 345.9 (119.7, 756.2)       | 0.001841 (0.0006371, 0.0040240) |
| Kalimantan Selatan | Other malignant neoplasms                     | 25  | 1,304.9 (790.7, 1,950.4)   | 0.007003 (0.0042434, 0.0104678) | 1,349.1 (811.9, 2,148.2)   | 0.007179 (0.0043205, 0.0114317) |
| Kalimantan Selatan | Cerebrovascular disease                       | 25  | 926.5 (605.4, 1,339.2)     | 0.004972 (0.0032490, 0.0071873) | 635.1 (418.3, 926.4)       | 0.003380 (0.0022261, 0.0049299) |
| Kalimantan Selatan | Ischemic heart disease                        | 25  | 1,473.9 (956.2, 2,113.6)   | 0.007910 (0.0051317, 0.0113434) | 604.9 (377.7, 896.4)       | 0.003219 (0.0020099, 0.0047703) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 25  | 685.4 (405.3, 1,084.8)     | 0.003679 (0.0021752, 0.0058219) | 630.5 (375.8, 987.6)       | 0.003356 (0.0020000, 0.0052558) |
| Kalimantan Selatan | Diabetes mellitus                             | 25  | 291.0 (165.6, 453.5)       | 0.001562 (0.0008885, 0.0024337) | 401.7 (234.3, 617.7)       | 0.002137 (0.0012467, 0.0032871) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Chronic kidney disease                        | 25  | 762.4 (449.9, 1,144.1)     | 0.004092 (0.0024145, 0.0061404) | 519.0 (307.6, 800.2)       | 0.002762 (0.0016368, 0.0042582) |
| Kalimantan Selatan | Cirrhosis                                     | 25  | 1,696.7 (1,083.6, 2,474.5) | 0.009106 (0.0058153, 0.0132802) | 788.2 (472.4, 1,221.1)     | 0.004195 (0.0025141, 0.0064982) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 25  | 891.7 (488.1, 1,402.4)     | 0.004786 (0.0026198, 0.0075266) | 511.6 (270.4, 824.5)       | 0.002722 (0.0014391, 0.0043875) |
| Kalimantan Selatan | Other non-communicable diseases               | 25  | 2,154.1 (1,476.9, 2,968.7) | 0.011561 (0.0079266, 0.0159324) | 1,517.8 (1,009.7, 2,117.4) | 0.008077 (0.0053733, 0.0112677) |
| Kalimantan Selatan | Drowning                                      | 25  | 645.7 (247.9, 1,277.2)     | 0.003465 (0.0013303, 0.0068546) | 148.9 (51.0, 317.3)        | 0.000792 (0.0002714, 0.0016884) |
| Kalimantan Selatan | Falls                                         | 25  | 456.4 (199.2, 859.9)       | 0.002450 (0.0010692, 0.0046151) | 141.2 (56.5, 273.8)        | 0.000751 (0.0003007, 0.0014572) |
| Kalimantan Selatan | Interpersonal violence                        | 25  | 415.1 (237.1, 679.8)       | 0.002228 (0.0012727, 0.0036482) | 211.4 (105.3, 370.3)       | 0.001125 (0.0005606, 0.0019706) |
| Kalimantan Selatan | Self-harm                                     | 25  | 435.3 (245.0, 714.4)       | 0.002336 (0.0013147, 0.0038343) | 188.0 (99.0, 339.2)        | 0.001000 (0.0005269, 0.0018052) |
| Kalimantan Selatan | Transport injuries                            | 25  | 5,302.3 (3,573.6, 7,362.2) | 0.028457 (0.0191794, 0.0395119) | 1,328.8 (791.9, 2,019.7)   | 0.007071 (0.0042144, 0.0107479) |
| Kalimantan Selatan | Other unintentional injuries                  | 25  | 1,757.2 (1,039.5, 2,826.4) | 0.009431 (0.0055789, 0.0151688) | 522.6 (275.1, 888.0)       | 0.002781 (0.0014640, 0.0047257) |
| Kalimantan Selatan | Diarrheal diseases                            | 30  | 885.2 (446.5, 1,540.3)     | 0.004905 (0.0024742, 0.0085347) | 631.7 (310.9, 1,102.1)     | 0.003587 (0.0017653, 0.0062571) |
| Kalimantan Selatan | HIV/AIDS                                      | 30  | 417.5 (89.5, 1,149.9)      | 0.002314 (0.0004957, 0.0063715) | 214.5 (46.3, 580.5)        | 0.001218 (0.0002631, 0.0032958) |
| Kalimantan Selatan | Lower respiratory infections                  | 30  | 778.9 (390.4, 1,394.9)     | 0.004316 (0.0021631, 0.0077289) | 343.3 (171.6, 609.3)       | 0.001949 (0.0009745, 0.0034593) |
| Kalimantan Selatan | Malaria                                       | 30  | 812.9 (259.4, 1,827.1)     | 0.004504 (0.0014376, 0.0101235) | 385.5 (112.2, 919.6)       | 0.002189 (0.0006370, 0.0052208) |
| Kalimantan Selatan | Tuberculosis                                  | 30  | 7,271.4 (5,392.9, 9,467.5) | 0.040290 (0.0298816, 0.0524587) | 2,981.0 (2,055.9, 4,119.3) | 0.016925 (0.0116724, 0.0233869) |
| Kalimantan Selatan | Maternal disorders                            | 30  |                            |                                 | 1,119.6 (598.0, 1,853.4)   | 0.006357 (0.0033952, 0.0105223) |
| Kalimantan Selatan | Other communicable diseases                   | 30  | 2,256.3 (1,276.8, 3,441.7) | 0.012502 (0.0070744, 0.0190699) | 1,132.7 (614.7, 1,767.0)   | 0.006431 (0.0034900, 0.0100319) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 30  | 230.8 (66.2, 559.6)        | 0.001279 (0.0003666, 0.0031005) | 91.2 (28.8, 227.9)         | 0.000518 (0.0001637, 0.0012940) |
| Kalimantan Selatan | Breast cancer                                 | 30  | 8.3 (1.5, 25.6)            | 0.000046 (0.0000085, 0.0001417) | 954.7 (413.4, 1,673.7)     | 0.005420 (0.0023473, 0.0095022) |
| Kalimantan Selatan | Cervical cancer                               | 30  |                            |                                 | 581.8 (216.2, 1,235.2)     | 0.003303 (0.0012273, 0.0070128) |
| Kalimantan Selatan | Other malignant neoplasms                     | 30  | 2,017.2 (1,232.9, 2,997.5) | 0.011177 (0.0068313, 0.0166086) | 1,436.4 (818.7, 2,371.7)   | 0.008155 (0.0046483, 0.0134654) |
| Kalimantan Selatan | Cerebrovascular disease                       | 30  | 1,557.9 (1,060.9, 2,153.4) | 0.008632 (0.0058784, 0.0119319) | 1,074.6 (718.8, 1,544.6)   | 0.006101 (0.0040807, 0.0087693) |
| Kalimantan Selatan | Ischemic heart disease                        | 30  | 2,181.7 (1,456.2, 3,132.6) | 0.012088 (0.0080689, 0.0173574) | 934.8 (602.5, 1,361.5)     | 0.005307 (0.0034205, 0.0077298) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 30  | 921.7 (565.8, 1,447.3)     | 0.005107 (0.0031352, 0.0080193) | 813.2 (492.3, 1,254.7)     | 0.004617 (0.0027953, 0.0071234) |
| Kalimantan Selatan | Diabetes mellitus                             | 30  | 516.8 (303.5, 765.1)       | 0.002863 (0.0016814, 0.0042393) | 670.4 (396.9, 990.6)       | 0.003806 (0.0022535, 0.0056240) |
| Kalimantan Selatan | Chronic kidney disease                        | 30  | 900.3 (545.3, 1,347.2)     | 0.004988 (0.0030215, 0.0074646) | 572.6 (347.0, 873.2)       | 0.003251 (0.0019701, 0.0049573) |
| Kalimantan Selatan | Cirrhosis                                     | 30  | 2,341.2 (1,535.6, 3,455.4) | 0.012972 (0.0085088, 0.0191460) | 1,063.0 (658.3, 1,638.5)   | 0.006035 (0.0037375, 0.0093022) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 30  | 1,065.1 (601.7, 1,628.3)   | 0.005902 (0.0033341, 0.0090223) | 549.1 (294.9, 861.5)       | 0.003118 (0.0016742, 0.0048913) |
| Kalimantan Selatan | Other non-communicable diseases               | 30  | 2,419.7 (1,662.2, 3,369.2) | 0.013407 (0.0092099, 0.0186683) | 1,679.5 (1,138.1, 2,356.2) | 0.009535 (0.0064613, 0.0133771) |
| Kalimantan Selatan | Drowning                                      | 30  | 685.2 (278.3, 1,325.4)     | 0.003797 (0.0015418, 0.0073438) | 177.9 (64.9, 372.7)        | 0.001010 (0.0003684, 0.0021161) |
| Kalimantan Selatan | Falls                                         | 30  | 527.4 (225.4, 975.0)       | 0.002922 (0.0012490, 0.0054025) | 177.5 (70.6, 347.3)        | 0.001008 (0.0004009, 0.0019718) |
| Kalimantan Selatan | Interpersonal violence                        | 30  | 330.8 (186.3, 563.9)       | 0.001833 (0.0010321, 0.0031244) | 166.2 (82.9, 298.9)        | 0.000943 (0.0004709, 0.0016972) |
| Kalimantan Selatan | Self-harm                                     | 30  | 343.5 (185.3, 562.5)       | 0.001903 (0.0010270, 0.0031170) | 143.9 (76.2, 260.0)        | 0.000817 (0.0004328, 0.0014762) |
| Kalimantan Selatan | Transport injuries                            | 30  | 4,535.8 (3,000.8, 6,602.6) | 0.025132 (0.0166274, 0.0365842) | 1,178.0 (682.9, 1,840.1)   | 0.006688 (0.0038768, 0.0104471) |
| Kalimantan Selatan | Other unintentional injuries                  | 30  | 1,611.9 (940.0, 2,593.4)   | 0.008931 (0.0052082, 0.0143696) | 492.6 (262.8, 849.5)       | 0.002797 (0.0014921, 0.0048231) |
| Kalimantan Selatan | Diarrheal diseases                            | 35  | 752.3 (372.2, 1,358.3)     | 0.004364 (0.0021592, 0.0078790) | 635.8 (304.7, 1,106.6)     | 0.003816 (0.0018287, 0.0066413) |
| Kalimantan Selatan | HIV/AIDS                                      | 35  | 344.0 (68.1, 1,017.5)      | 0.001995 (0.0003951, 0.0059022) | 202.7 (39.9, 588.6)        | 0.001217 (0.0002397, 0.0035325) |
| Kalimantan Selatan | Lower respiratory infections                  | 35  | 780.4 (387.5, 1,403.8)     | 0.004527 (0.0022475, 0.0081432) | 407.7 (202.8, 713.7)       | 0.002447 (0.0012169, 0.0042830) |
| Kalimantan Selatan | Malaria                                       | 35  | 706.5 (225.3, 1,612.8)     | 0.004098 (0.0013069, 0.0093555) | 372.7 (106.7, 884.4)       | 0.002237 (0.0006405, 0.0053076) |
| Kalimantan Selatan | Tuberculosis                                  | 35  | 7,494.6 (5,513.8, 9,771.1) | 0.043474 (0.0319838, 0.0566788) | 3,380.4 (2,291.7, 4,764.0) | 0.020287 (0.0137535, 0.0285906) |
| Kalimantan Selatan | Maternal disorders                            | 35  |                            |                                 | 1,264.7 (668.7, 2,113.6)   | 0.007590 (0.0040129, 0.0126848) |
| Kalimantan Selatan | Other communicable diseases                   | 35  | 1,933.5 (1,121.5, 2,992.3) | 0.011215 (0.0065054, 0.0173573) | 1,171.3 (651.6, 1,813.6)   | 0.007029 (0.0039105, 0.0108838) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 35  | 245.2 (71.9, 607.8)        | 0.001422 (0.0004170, 0.0035254) | 128.4 (43.6, 317.7)        | 0.000770 (0.0002618, 0.0019064) |
| Kalimantan Selatan | Breast cancer                                 | 35  | 14.8 (2.9, 45.1)           | 0.000086 (0.0000170, 0.0002614) | 1,488.5 (649.9, 2,628.5)   | 0.008933 (0.0039005, 0.0157744) |
| Kalimantan Selatan | Cervical cancer                               | 35  |                            |                                 | 1,045.6 (432.9, 2,087.5)   | 0.006275 (0.0025980, 0.0125278) |
| Kalimantan Selatan | Other malignant neoplasms                     | 35  | 2,776.6 (1,721.5, 4,069.5) | 0.016106 (0.0099858, 0.0236059) | 1,693.1 (947.8, 2,858.8)   | 0.010161 (0.0056884, 0.0171567) |
| Kalimantan Selatan | Cerebrovascular disease                       | 35  | 2,623.5 (1,804.6, 3,593.5) | 0.015218 (0.0104678, 0.0208449) | 1,950.4 (1,327.0, 2,762.2) | 0.011705 (0.0079637, 0.0165772) |
| Kalimantan Selatan | Ischemic heart disease                        | 35  | 3,352.5 (2,349.8, 4,784.9) | 0.019447 (0.0136305, 0.0277556) | 1,519.9 (997.0, 2,225.4)   | 0.009121 (0.0059832, 0.0133557) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 35  | 1,254.5 (773.3, 1,969.2)   | 0.007277 (0.0044854, 0.0114227) | 1,172.7 (711.3, 1,811.6)   | 0.007038 (0.0042685, 0.0108723) |
| Kalimantan Selatan | Diabetes mellitus                             | 35  | 998.4 (609.4, 1,442.2)     | 0.005792 (0.0035347, 0.0083657) | 1,335.1 (834.0, 1,951.4)   | 0.008012 (0.0050049, 0.0117110) |
| Kalimantan Selatan | Chronic kidney disease                        | 35  | 1,104.8 (672.3, 1,646.0)   | 0.006409 (0.0038997, 0.0095477) | 722.2 (447.3, 1,097.3)     | 0.004334 (0.0026844, 0.0065853) |
| Kalimantan Selatan | Cirrhosis                                     | 35  | 2,990.0 (1,981.6, 4,498.6) | 0.017344 (0.0114945, 0.0260951) | 1,467.2 (903.6, 2,325.3)   | 0.008805 (0.0054227, 0.0139552) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Chronic respiratory diseases                  | 35  | 1,295.7 (760.1, 1,988.8)   | 0.007516 (0.0044090, 0.0115366) | 696.9 (391.2, 1,098.0)     | 0.004182 (0.0023479, 0.0065894) |
| Kalimantan Selatan | Other non-communicable diseases               | 35  | 2,655.7 (1,829.9, 3,750.1) | 0.015405 (0.0106146, 0.0217531) | 1,980.0 (1,341.4, 2,829.8) | 0.011883 (0.0080501, 0.0169825) |
| Kalimantan Selatan | Drowning                                      | 35  | 818.8 (341.6, 1,570.2)     | 0.004750 (0.0019813, 0.0091081) | 264.3 (101.2, 538.0)       | 0.001586 (0.0006074, 0.0032287) |
| Kalimantan Selatan | Falls                                         | 35  | 518.0 (218.4, 980.4)       | 0.003005 (0.0012670, 0.0056870) | 208.5 (84.2, 421.6)        | 0.001251 (0.0005052, 0.0025305) |
| Kalimantan Selatan | Interpersonal violence                        | 35  | 287.0 (154.9, 479.4)       | 0.001665 (0.0008982, 0.0027809) | 154.1 (76.7, 283.4)        | 0.000925 (0.0004600, 0.0017006) |
| Kalimantan Selatan | Self-harm                                     | 35  | 322.5 (166.4, 545.5)       | 0.001871 (0.0009655, 0.0031645) | 141.4 (70.5, 253.0)        | 0.000848 (0.0004233, 0.0015184) |
| Kalimantan Selatan | Transport injuries                            | 35  | 3,636.5 (2,240.5, 5,530.9) | 0.021094 (0.0129964, 0.0320830) | 1,064.4 (587.5, 1,733.6)   | 0.006388 (0.0035260, 0.0104039) |
| Kalimantan Selatan | Other unintentional injuries                  | 35  | 1,509.8 (862.5, 2,451.2)   | 0.008758 (0.0050030, 0.0142185) | 515.6 (267.6, 865.1)       | 0.003094 (0.0016060, 0.0051919) |
| Kalimantan Selatan | Diarrheal diseases                            | 40  | 763.4 (386.7, 1,345.4)     | 0.005112 (0.0025894, 0.0090094) | 716.3 (376.8, 1,221.6)     | 0.005040 (0.0026513, 0.0085959) |
| Kalimantan Selatan | HIV/AIDS                                      | 40  | 170.9 (33.8, 500.9)        | 0.001145 (0.0002264, 0.0033544) | 108.5 (20.5, 320.6)        | 0.000763 (0.0001442, 0.0022557) |
| Kalimantan Selatan | Lower respiratory infections                  | 40  | 710.2 (354.1, 1,267.9)     | 0.004756 (0.0023715, 0.0084904) | 428.2 (214.7, 730.8)       | 0.003013 (0.0015110, 0.0051423) |
| Kalimantan Selatan | Malaria                                       | 40  | 674.8 (215.3, 1,530.3)     | 0.004519 (0.0014420, 0.0102476) | 369.1 (104.2, 898.3)       | 0.002597 (0.0007330, 0.0063210) |
| Kalimantan Selatan | Tuberculosis                                  | 40  | 6,547.7 (4,819.5, 8,916.3) | 0.043848 (0.0322744, 0.0597093) | 3,165.2 (2,197.1, 4,331.6) | 0.022272 (0.0154603, 0.0304796) |
| Kalimantan Selatan | Maternal disorders                            | 40  |                            |                                 | 345.1 (157.4, 667.5)       | 0.002428 (0.0011076, 0.0046967) |
| Kalimantan Selatan | Other communicable diseases                   | 40  | 1,754.6 (986.3, 2,827.7)   | 0.011750 (0.0066049, 0.0189360) | 1,202.7 (686.3, 1,926.5)   | 0.008463 (0.0048295, 0.0135560) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 40  | 348.9 (123.9, 828.1)       | 0.002336 (0.0008300, 0.0055452) | 148.6 (54.4, 352.4)        | 0.001045 (0.0003826, 0.0024797) |
| Kalimantan Selatan | Breast cancer                                 | 40  | 32.3 (7.8, 87.0)           | 0.000216 (0.0000520, 0.0005824) | 1,815.0 (819.4, 3,106.2)   | 0.012771 (0.0057661, 0.0218569) |
| Kalimantan Selatan | Cervical cancer                               | 40  |                            |                                 | 1,326.1 (570.4, 2,643.2)   | 0.009331 (0.0040135, 0.0185989) |
| Kalimantan Selatan | Other malignant neoplasms                     | 40  | 4,087.9 (2,619.8, 5,861.0) | 0.027376 (0.0175440, 0.0392488) | 1,674.8 (918.2, 2,914.7)   | 0.011785 (0.0064610, 0.0205098) |
| Kalimantan Selatan | Cerebrovascular disease                       | 40  | 4,236.0 (3,026.0, 5,795.4) | 0.028367 (0.0202638, 0.0388101) | 2,939.0 (2,080.5, 3,999.3) | 0.020681 (0.0146395, 0.0281412) |
| Kalimantan Selatan | Ischemic heart disease                        | 40  | 4,872.8 (3,434.1, 6,893.6) | 0.032631 (0.0229967, 0.0461643) | 2,170.3 (1,467.8, 3,051.2) | 0.015272 (0.0103282, 0.0214698) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 40  | 1,862.2 (1,131.3, 2,916.0) | 0.012471 (0.0075759, 0.0195274) | 1,524.2 (949.0, 2,380.4)   | 0.010725 (0.0066779, 0.0167496) |
| Kalimantan Selatan | Diabetes mellitus                             | 40  | 2,119.3 (1,372.0, 3,021.2) | 0.014192 (0.0091879, 0.0202322) | 2,455.0 (1,580.1, 3,496.5) | 0.017275 (0.0111183, 0.0246033) |
| Kalimantan Selatan | Chronic kidney disease                        | 40  | 1,437.3 (888.5, 2,173.2)   | 0.009625 (0.0059498, 0.0145529) | 816.8 (517.2, 1,233.2)     | 0.005748 (0.0036391, 0.0086776) |
| Kalimantan Selatan | Cirrhosis                                     | 40  | 3,714.6 (2,413.3, 5,702.0) | 0.024876 (0.0161609, 0.0381842) | 1,670.1 (1,064.8, 2,577.1) | 0.011752 (0.0074927, 0.0181338) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 40  | 1,716.7 (1,030.8, 2,615.7) | 0.011496 (0.0069030, 0.0175162) | 755.0 (429.7, 1,168.3)     | 0.005312 (0.0030239, 0.0082208) |
| Kalimantan Selatan | Other non-communicable diseases               | 40  | 2,978.6 (2,049.9, 4,315.3) | 0.019947 (0.0137277, 0.0288981) | 2,020.4 (1,363.3, 2,858.7) | 0.014216 (0.0095933, 0.0201154) |
| Kalimantan Selatan | Drowning                                      | 40  | 404.9 (147.0, 839.2)       | 0.002712 (0.0009842, 0.0056200) | 138.5 (48.7, 312.4)        | 0.000975 (0.0003425, 0.0021985) |
| Kalimantan Selatan | Falls                                         | 40  | 423.3 (173.0, 803.9)       | 0.002835 (0.0011585, 0.0053831) | 173.9 (72.1, 314.1)        | 0.001224 (0.0005070, 0.0022102) |
| Kalimantan Selatan | Interpersonal violence                        | 40  | 216.3 (117.0, 383.9)       | 0.001449 (0.0007838, 0.0025708) | 104.5 (51.5, 190.8)        | 0.000735 (0.0003621, 0.0013428) |
| Kalimantan Selatan | Self-harm                                     | 40  | 277.5 (137.6, 498.7)       | 0.001858 (0.0009213, 0.0033394) | 107.3 (52.8, 199.0)        | 0.000755 (0.0003714, 0.0014006) |
| Kalimantan Selatan | Transport injuries                            | 40  | 2,772.1 (1,644.5, 4,247.8) | 0.018564 (0.0110128, 0.0284461) | 787.6 (444.6, 1,273.0)     | 0.005542 (0.0031285, 0.0089576) |
| Kalimantan Selatan | Other unintentional injuries                  | 40  | 1,155.4 (619.2, 1,927.4)   | 0.007737 (0.0041467, 0.0129075) | 374.0 (188.9, 631.3)       | 0.002632 (0.0013294, 0.0044422) |
| Kalimantan Selatan | Diarrheal diseases                            | 45  | 665.5 (339.5, 1,157.3)     | 0.005558 (0.0028349, 0.0096651) | 760.7 (418.4, 1,264.2)     | 0.006642 (0.0036533, 0.0110385) |
| Kalimantan Selatan | HIV/AIDS                                      | 45  | 75.0 (13.9, 240.3)         | 0.000626 (0.0001164, 0.0020064) | 57.3 (10.7, 179.7)         | 0.000500 (0.0000931, 0.0015689) |
| Kalimantan Selatan | Lower respiratory infections                  | 45  | 723.9 (354.5, 1,297.1)     | 0.006045 (0.0029607, 0.0108322) | 566.6 (290.8, 954.7)       | 0.004948 (0.0025389, 0.0083363) |
| Kalimantan Selatan | Malaria                                       | 45  | 509.2 (164.4, 1,179.5)     | 0.004252 (0.0013729, 0.0098501) | 304.4 (85.3, 760.9)        | 0.002658 (0.0007448, 0.0066440) |
| Kalimantan Selatan | Tuberculosis                                  | 45  | 5,871.7 (4,228.9, 7,929.4) | 0.049036 (0.0353159, 0.0662190) | 3,272.3 (2,297.0, 4,402.6) | 0.028573 (0.0200573, 0.0384433) |
| Kalimantan Selatan | Maternal disorders                            | 45  |                            |                                 | 88.4 (31.5, 189.3)         | 0.000772 (0.0002754, 0.0016533) |
| Kalimantan Selatan | Other communicable diseases                   | 45  | 1,321.8 (729.1, 2,102.7)   | 0.011038 (0.0060886, 0.0175600) | 1,139.9 (663.1, 1,729.5)   | 0.009954 (0.0057899, 0.0151018) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 45  | 542.1 (208.2, 1,259.3)     | 0.004527 (0.0017385, 0.0105168) | 167.5 (61.4, 395.2)        | 0.001463 (0.0005360, 0.0034509) |
| Kalimantan Selatan | Breast cancer                                 | 45  | 39.4 (11.2, 94.7)          | 0.000329 (0.0000932, 0.0007908) | 1,657.0 (746.5, 2,808.2)   | 0.014469 (0.0065184, 0.0245207) |
| Kalimantan Selatan | Cervical cancer                               | 45  |                            |                                 | 1,307.0 (569.3, 2,504.9)   | 0.011413 (0.0049712, 0.0218729) |
| Kalimantan Selatan | Other malignant neoplasms                     | 45  | 3,678.6 (2,314.8, 5,286.7) | 0.030720 (0.0193311, 0.0441501) | 1,478.8 (814.0, 2,651.9)   | 0.012913 (0.0071081, 0.0231566) |
| Kalimantan Selatan | Cerebrovascular disease                       | 45  | 5,299.7 (3,818.4, 7,222.9) | 0.044258 (0.0318876, 0.0603194) | 4,127.3 (3,073.7, 5,507.7) | 0.036039 (0.0268395, 0.0480933) |
| Kalimantan Selatan | Ischemic heart disease                        | 45  | 5,275.0 (3,777.2, 7,486.2) | 0.044052 (0.0315439, 0.0625181) | 2,631.1 (1,806.5, 3,600.0) | 0.022975 (0.0157739, 0.0314347) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 45  | 2,143.1 (1,349.3, 3,335.9) | 0.017897 (0.0112679, 0.0278581) | 1,869.0 (1,194.4, 2,824.1) | 0.016320 (0.0104291, 0.0246597) |
| Kalimantan Selatan | Diabetes mellitus                             | 45  | 3,009.2 (2,005.5, 4,298.9) | 0.025130 (0.0167479, 0.0359004) | 3,680.8 (2,519.6, 4,988.8) | 0.032140 (0.0220012, 0.0435621) |
| Kalimantan Selatan | Chronic kidney disease                        | 45  | 1,365.8 (854.1, 2,038.7)   | 0.011406 (0.0071324, 0.0170253) | 813.1 (521.6, 1,215.6)     | 0.007100 (0.0045548, 0.0106144) |
| Kalimantan Selatan | Cirrhosis                                     | 45  | 3,413.3 (2,227.9, 5,195.7) | 0.028504 (0.0186052, 0.0433900) | 1,745.2 (1,112.7, 2,631.4) | 0.015239 (0.0097163, 0.0229770) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 45  | 2,002.3 (1,234.6, 3,013.5) | 0.016721 (0.0103106, 0.0251663) | 943.6 (562.5, 1,432.3)     | 0.008239 (0.0049116, 0.0125065) |
| Kalimantan Selatan | Other non-communicable diseases               | 45  | 2,664.2 (1,842.1, 3,853.9) | 0.022249 (0.0153836, 0.0321845) | 1,988.7 (1,359.6, 2,815.5) | 0.017365 (0.0118719, 0.0245849) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Drowning                                      | 45  | 243.9 (84.7, 523.5)        | 0.002036 (0.0007075, 0.0043719) | 114.9 (38.8, 244.0)        | 0.001003 (0.0003385, 0.0021309) |
| Kalimantan Selatan | Falls                                         | 45  | 415.7 (176.1, 791.0)       | 0.003472 (0.0014709, 0.0066061) | 220.7 (88.6, 413.5)        | 0.001927 (0.0007736, 0.0036107) |
| Kalimantan Selatan | Interpersonal violence                        | 45  | 160.3 (80.7, 279.3)        | 0.001339 (0.0006743, 0.0023324) | 82.5 (41.1, 154.4)         | 0.000720 (0.0003590, 0.0013481) |
| Kalimantan Selatan | Self-harm                                     | 45  | 233.1 (115.5, 410.4)       | 0.001947 (0.0009645, 0.0034273) | 92.9 (46.0, 169.2)         | 0.000811 (0.0004019, 0.0014774) |
| Kalimantan Selatan | Transport injuries                            | 45  | 2,441.0 (1,473.8, 3,735.5) | 0.020385 (0.0123075, 0.0311953) | 844.4 (482.5, 1,372.7)     | 0.007373 (0.0042129, 0.0119865) |
| Kalimantan Selatan | Other unintentional injuries                  | 45  | 945.4 (497.0, 1,614.4)     | 0.007895 (0.0041504, 0.0134821) | 354.4 (183.6, 607.1)       | 0.003095 (0.0016031, 0.0053013) |
| Kalimantan Selatan | Diarrheal diseases                            | 50  | 781.8 (401.5, 1,317.6)     | 0.007948 (0.0040816, 0.0133958) | 861.0 (484.1, 1,398.5)     | 0.009744 (0.0054781, 0.0158267) |
| Kalimantan Selatan | HIV/AIDS                                      | 50  | 28.4 (5.1, 86.1)           | 0.000289 (0.0000517, 0.0008755) | 21.2 (4.0, 64.2)           | 0.000240 (0.0000454, 0.0007270) |
| Kalimantan Selatan | Lower respiratory infections                  | 50  | 847.8 (421.0, 1,467.8)     | 0.008619 (0.0042807, 0.0149224) | 646.4 (340.2, 1,067.7)     | 0.007315 (0.0038501, 0.0120829) |
| Kalimantan Selatan | Malaria                                       | 50  | 463.2 (145.5, 1,140.3)     | 0.004709 (0.0014792, 0.0115926) | 260.2 (74.1, 664.7)        | 0.002945 (0.0008385, 0.0075226) |
| Kalimantan Selatan | Tuberculosis                                  | 50  | 6,004.5 (4,303.8, 8,281.0) | 0.061046 (0.0437557, 0.0841900) | 3,135.7 (2,223.6, 4,236.3) | 0.035487 (0.0251646, 0.0479419) |
| Kalimantan Selatan | Maternal disorders                            | 50  |                            |                                 | 31.5 (8.7, 85.7)           | 0.000357 (0.0000985, 0.0009697) |
| Kalimantan Selatan | Other communicable diseases                   | 50  | 1,174.6 (660.8, 1,914.9)   | 0.011942 (0.0067183, 0.0194680) | 988.3 (572.1, 1,522.2)     | 0.011185 (0.0064746, 0.0172272) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 50  | 554.9 (210.6, 1,222.2)     | 0.005641 (0.0021409, 0.0124257) | 165.6 (59.3, 391.0)        | 0.001874 (0.0006714, 0.0044246) |
| Kalimantan Selatan | Breast cancer                                 | 50  | 34.9 (10.2, 81.5)          | 0.000355 (0.0001041, 0.0008289) | 1,248.9 (538.9, 2,214.8)   | 0.014134 (0.0060988, 0.0250651) |
| Kalimantan Selatan | Cervical cancer                               | 50  |                            |                                 | 1,045.7 (454.6, 2,073.9)   | 0.011834 (0.0051449, 0.0234703) |
| Kalimantan Selatan | Other malignant neoplasms                     | 50  | 2,916.4 (1,793.3, 4,295.2) | 0.029650 (0.0182319, 0.0436678) | 1,299.9 (697.9, 2,284.4)   | 0.014710 (0.0078981, 0.0258527) |
| Kalimantan Selatan | Cerebrovascular disease                       | 50  | 6,885.0 (5,026.3, 9,291.2) | 0.069998 (0.0511002, 0.0944603) | 5,020.3 (3,789.5, 6,557.8) | 0.056815 (0.0428851, 0.0742144) |
| Kalimantan Selatan | Ischemic heart disease                        | 50  | 6,359.2 (4,554.7, 9,027.6) | 0.064652 (0.0463062, 0.0917809) | 2,869.7 (2,004.2, 3,875.5) | 0.032476 (0.0226809, 0.0438587) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 50  | 2,671.2 (1,661.8, 4,228.9) | 0.027158 (0.0168950, 0.0429936) | 2,207.6 (1,466.0, 3,235.0) | 0.024983 (0.0165904, 0.0366099) |
| Kalimantan Selatan | Diabetes mellitus                             | 50  | 3,827.3 (2,542.6, 5,423.5) | 0.038911 (0.0258500, 0.0551388) | 4,370.5 (3,082.3, 5,767.5) | 0.049461 (0.0348827, 0.0652702) |
| Kalimantan Selatan | Chronic kidney disease                        | 50  | 1,378.0 (859.9, 2,046.7)   | 0.014010 (0.0087423, 0.0208082) | 768.3 (502.0, 1,129.4)     | 0.008694 (0.0056816, 0.0127818) |
| Kalimantan Selatan | Cirrhosis                                     | 50  | 3,392.6 (2,169.8, 5,158.9) | 0.034492 (0.0220596, 0.0524487) | 1,659.8 (1,062.7, 2,510.8) | 0.018784 (0.0120260, 0.0284149) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 50  | 2,471.6 (1,554.0, 3,705.7) | 0.025128 (0.0157993, 0.0376748) | 1,138.9 (691.9, 1,681.1)   | 0.012889 (0.0078298, 0.0190249) |
| Kalimantan Selatan | Other non-communicable diseases               | 50  | 2,689.9 (1,848.1, 3,876.8) | 0.027347 (0.0187894, 0.0394140) | 1,899.7 (1,309.0, 2,651.3) | 0.021499 (0.0148136, 0.0300052) |
| Kalimantan Selatan | Drowning                                      | 50  | 158.6 (55.0, 345.8)        | 0.001612 (0.0005594, 0.0035159) | 73.0 (25.0, 160.1)         | 0.000826 (0.0002834, 0.0018115) |
| Kalimantan Selatan | Falls                                         | 50  | 425.3 (174.3, 793.9)       | 0.004324 (0.0017724, 0.0080715) | 216.1 (90.2, 401.3)        | 0.002446 (0.0010204, 0.0045416) |
| Kalimantan Selatan | Interpersonal violence                        | 50  | 118.0 (61.7, 214.5)        | 0.001199 (0.0006270, 0.0021806) | 55.3 (26.7, 107.9)         | 0.000626 (0.0003017, 0.0012216) |
| Kalimantan Selatan | Self-harm                                     | 50  | 192.1 (94.7, 342.3)        | 0.001953 (0.0009632, 0.0034802) | 69.0 (34.3, 127.6)         | 0.000781 (0.0003880, 0.0014438) |
| Kalimantan Selatan | Transport injuries                            | 50  | 1,765.0 (1,019.1, 2,789.1) | 0.017944 (0.0103611, 0.0283556) | 570.4 (318.1, 928.4)       | 0.006456 (0.0036002, 0.0105068) |
| Kalimantan Selatan | Other unintentional injuries                  | 50  | 715.7 (376.1, 1,193.3)     | 0.007276 (0.0038232, 0.0121315) | 248.9 (127.4, 420.6)       | 0.002817 (0.0014413, 0.0047605) |
| Kalimantan Selatan | Diarrheal diseases                            | 55  | 633.1 (336.9, 1,054.7)     | 0.010062 (0.0053541, 0.0167620) | 775.2 (433.4, 1,199.4)     | 0.013203 (0.0073817, 0.0204273) |
| Kalimantan Selatan | HIV/AIDS                                      | 55  | 9.3 (1.5, 32.3)            | 0.000147 (0.0000236, 0.0005138) | 7.5 (1.3, 23.0)            | 0.000127 (0.0000224, 0.0003925) |
| Kalimantan Selatan | Lower respiratory infections                  | 55  | 667.9 (338.8, 1,168.4)     | 0.010615 (0.0053837, 0.0185687) | 573.5 (304.9, 963.9)       | 0.009768 (0.0051933, 0.0164159) |
| Kalimantan Selatan | Malaria                                       | 55  | 351.4 (107.6, 835.9)       | 0.005585 (0.0017106, 0.0132838) | 204.8 (57.9, 517.5)        | 0.003488 (0.0009863, 0.0088129) |
| Kalimantan Selatan | Tuberculosis                                  | 55  | 4,168.2 (2,933.2, 5,798.2) | 0.066242 (0.0466153, 0.0921470) | 2,260.4 (1,554.3, 3,088.1) | 0.038497 (0.0264708, 0.0525928) |
| Kalimantan Selatan | Other communicable diseases                   | 55  | 831.2 (457.6, 1,317.9)     | 0.013210 (0.0072719, 0.0209441) | 795.1 (451.5, 1,226.9)     | 0.013542 (0.0076892, 0.0208952) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 55  | 448.8 (174.6, 1,016.7)     | 0.007132 (0.0027741, 0.0161579) | 115.7 (42.2, 279.9)        | 0.001971 (0.0007185, 0.0047673) |
| Kalimantan Selatan | Breast cancer                                 | 55  | 24.7 (6.9, 60.4)           | 0.000393 (0.0001104, 0.0009599) | 800.9 (335.3, 1,455.4)     | 0.013639 (0.0057109, 0.0247861) |
| Kalimantan Selatan | Cervical cancer                               | 55  |                            |                                 | 636.2 (265.0, 1,290.3)     | 0.010836 (0.0045124, 0.0219757) |
| Kalimantan Selatan | Other malignant neoplasms                     | 55  | 1,803.7 (1,075.0, 2,703.2) | 0.028665 (0.0170846, 0.0429601) | 982.5 (539.1, 1,688.6)     | 0.016733 (0.0091813, 0.0287593) |
| Kalimantan Selatan | Cerebrovascular disease                       | 55  | 6,364.2 (4,736.0, 8,422.0) | 0.101141 (0.0752663, 0.1338452) | 5,050.2 (3,875.3, 6,513.3) | 0.086010 (0.0660003, 0.1109278) |
| Kalimantan Selatan | Ischemic heart disease                        | 55  | 5,675.4 (4,062.6, 7,902.6) | 0.090194 (0.0645648, 0.1255898) | 2,727.1 (1,921.8, 3,666.2) | 0.046445 (0.0327294, 0.0624385) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 55  | 2,406.3 (1,519.2, 3,736.0) | 0.038242 (0.0241442, 0.0593738) | 2,123.4 (1,421.6, 3,117.5) | 0.036163 (0.0242105, 0.0530939) |
| Kalimantan Selatan | Diabetes mellitus                             | 55  | 3,215.9 (2,151.3, 4,502.3) | 0.051108 (0.0341897, 0.0715522) | 3,915.1 (2,774.4, 5,165.8) | 0.066678 (0.0472502, 0.0879778) |
| Kalimantan Selatan | Chronic kidney disease                        | 55  | 1,060.3 (663.9, 1,582.8)   | 0.016851 (0.0105511, 0.0251539) | 620.4 (412.0, 915.5)       | 0.010565 (0.0070163, 0.0155920) |
| Kalimantan Selatan | Cirrhosis                                     | 55  | 2,399.2 (1,512.9, 3,642.5) | 0.038129 (0.0240428, 0.0578869) | 1,298.2 (831.6, 1,969.5)   | 0.022109 (0.0141623, 0.0335428) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 55  | 2,152.6 (1,388.3, 3,164.6) | 0.034209 (0.0220630, 0.0502920) | 1,067.5 (651.2, 1,522.3)   | 0.018180 (0.0110905, 0.0259269) |
| Kalimantan Selatan | Other non-communicable diseases               | 55  | 2,212.1 (1,519.2, 3,151.2) | 0.035155 (0.0241440, 0.0500795) | 1,690.6 (1,181.5, 2,363.6) | 0.028792 (0.0201215, 0.0402550) |
| Kalimantan Selatan | Drowning                                      | 55  | 86.0 (29.9, 203.8)         | 0.001366 (0.0004754, 0.0032390) | 47.1 (15.4, 107.1)         | 0.000802 (0.0002629, 0.0018248) |
| Kalimantan Selatan | Falls                                         | 55  | 340.0 (148.1, 628.0)       | 0.005404 (0.0023542, 0.0099803) | 197.4 (92.4, 359.3)        | 0.003363 (0.0015745, 0.0061189) |
| Kalimantan Selatan | Interpersonal violence                        | 55  | 71.2 (34.3, 131.0)         | 0.001131 (0.0005452, 0.0020818) | 33.5 (16.1, 64.0)          | 0.000571 (0.0002748, 0.0010895) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Self-harm                                     | 55  | 132.9 (66.8, 245.7)        | 0.002112 (0.0010614, 0.0039043) | 47.0 (22.9, 87.1)          | 0.000800 (0.0003893, 0.0014838) |
| Kalimantan Selatan | Transport injuries                            | 55  | 889.7 (492.5, 1,491.1)     | 0.014139 (0.0078275, 0.0236974) | 315.7 (168.4, 529.2)       | 0.005377 (0.0028675, 0.0090130) |
| Kalimantan Selatan | Other unintentional injuries                  | 55  | 443.0 (224.6, 768.8)       | 0.007040 (0.0035695, 0.0122183) | 164.0 (83.9, 290.3)        | 0.002794 (0.0014295, 0.0049438) |
| Kalimantan Selatan | Diarrheal diseases                            | 60  | 629.7 (333.7, 1,031.3)     | 0.014278 (0.0075670, 0.0233855) | 879.6 (517.7, 1,386.6)     | 0.018277 (0.0107579, 0.0288114) |
| Kalimantan Selatan | HIV/AIDS                                      | 60  | 5.8 (0.9, 18.4)            | 0.000131 (0.0000205, 0.0004167) | 5.2 (0.8, 16.5)            | 0.000108 (0.0000175, 0.0003419) |
| Kalimantan Selatan | Lower respiratory infections                  | 60  | 803.2 (409.0, 1,408.4)     | 0.018213 (0.0092732, 0.0319362) | 829.3 (456.1, 1,334.5)     | 0.017233 (0.0094783, 0.0277299) |
| Kalimantan Selatan | Malaria                                       | 60  | 329.6 (101.6, 738.3)       | 0.007473 (0.0023046, 0.0167422) | 201.0 (55.2, 526.6)        | 0.004176 (0.0011479, 0.0109428) |
| Kalimantan Selatan | Tuberculosis                                  | 60  | 4,405.2 (3,129.4, 5,917.4) | 0.099890 (0.0709601, 0.1341787) | 2,629.6 (1,852.8, 3,525.9) | 0.054639 (0.0385000, 0.0732649) |
| Kalimantan Selatan | Other communicable diseases                   | 60  | 590.5 (300.9, 970.0)       | 0.013390 (0.0068241, 0.0219954) | 663.6 (364.3, 1,053.5)     | 0.013789 (0.0075702, 0.0218903) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 60  | 433.9 (168.2, 955.9)       | 0.009839 (0.0038130, 0.0216751) | 105.7 (38.1, 257.3)        | 0.002197 (0.0007918, 0.0053457) |
| Kalimantan Selatan | Breast cancer                                 | 60  | 20.5 (5.6, 51.7)           | 0.000465 (0.0001265, 0.0011719) | 569.8 (224.0, 1,048.9)     | 0.011840 (0.0046543, 0.0217960) |
| Kalimantan Selatan | Cervical cancer                               | 60  |                            |                                 | 507.5 (207.4, 1,057.8)     | 0.010545 (0.0043098, 0.0219792) |
| Kalimantan Selatan | Other malignant neoplasms                     | 60  | 1,581.7 (957.7, 2,369.2)   | 0.035865 (0.0217169, 0.0537230) | 992.2 (552.8, 1,635.6)     | 0.020616 (0.0114857, 0.0339863) |
| Kalimantan Selatan | Cerebrovascular disease                       | 60  | 6,492.3 (4,807.9, 8,551.5) | 0.147217 (0.1090219, 0.1939079) | 5,818.2 (4,584.2, 7,340.4) | 0.120896 (0.0952548, 0.1525259) |
| Kalimantan Selatan | Ischemic heart disease                        | 60  | 5,177.3 (3,733.7, 7,178.6) | 0.117398 (0.0846630, 0.1627787) | 2,876.0 (2,068.9, 3,854.5) | 0.059761 (0.0429889, 0.0800917) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 60  | 2,503.8 (1,584.0, 3,856.4) | 0.056776 (0.0359175, 0.0874445) | 2,350.4 (1,572.7, 3,407.7) | 0.048838 (0.0326798, 0.0708073) |
| Kalimantan Selatan | Diabetes mellitus                             | 60  | 2,693.8 (1,817.7, 3,795.6) | 0.061082 (0.0412168, 0.0860664) | 3,610.6 (2,540.1, 4,760.3) | 0.075025 (0.0527796, 0.0989143) |
| Kalimantan Selatan | Chronic kidney disease                        | 60  | 918.9 (578.1, 1,350.2)     | 0.020836 (0.0131084, 0.0306171) | 572.6 (382.3, 833.9)       | 0.011898 (0.0079427, 0.0173276) |
| Kalimantan Selatan | Cirrhosis                                     | 60  | 1,914.2 (1,215.7, 2,960.6) | 0.043405 (0.0275670, 0.0671329) | 1,181.9 (756.5, 1,824.5)   | 0.024559 (0.0157185, 0.0379105) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 60  | 2,866.6 (1,904.8, 4,105.7) | 0.065002 (0.0431911, 0.0930981) | 1,487.4 (962.5, 2,081.8)   | 0.030906 (0.0199995, 0.0432571) |
| Kalimantan Selatan | Other non-communicable diseases               | 60  | 2,327.9 (1,586.2, 3,283.5) | 0.052786 (0.0359683, 0.0744541) | 1,955.7 (1,382.6, 2,739.1) | 0.040637 (0.0287292, 0.0569159) |
| Kalimantan Selatan | Drowning                                      | 60  | 56.3 (17.6, 136.0)         | 0.001276 (0.0003998, 0.0030842) | 40.5 (12.1, 99.4)          | 0.000841 (0.0002511, 0.0020647) |
| Kalimantan Selatan | Falls                                         | 60  | 254.4 (108.0, 476.7)       | 0.005768 (0.0024485, 0.0108084) | 181.5 (81.4, 319.7)        | 0.003771 (0.0016904, 0.0066421) |
| Kalimantan Selatan | Interpersonal violence                        | 60  | 45.7 (21.1, 87.8)          | 0.001035 (0.0004795, 0.0019903) | 22.5 (10.3, 45.3)          | 0.000467 (0.0002130, 0.0009418) |
| Kalimantan Selatan | Self-harm                                     | 60  | 97.4 (47.6, 175.7)         | 0.002208 (0.0010804, 0.0039833) | 34.9 (16.8, 64.6)          | 0.000726 (0.0003496, 0.0013429) |
| Kalimantan Selatan | Transport injuries                            | 60  | 668.6 (351.1, 1,123.0)     | 0.015161 (0.0079611, 0.0254645) | 279.2 (149.1, 481.8)       | 0.005801 (0.0030988, 0.0100116) |
| Kalimantan Selatan | Other unintentional injuries                  | 60  | 326.2 (155.6, 577.4)       | 0.007397 (0.0035289, 0.0130934) | 135.7 (67.2, 243.2)        | 0.002819 (0.0013959, 0.0050531) |
| Kalimantan Selatan | Diarrheal diseases                            | 65  | 801.7 (454.1, 1,273.8)     | 0.027521 (0.0155873, 0.0437275) | 1,164.2 (757.2, 1,680.2)   | 0.034423 (0.0223904, 0.0496826) |
| Kalimantan Selatan | HIV/AIDS                                      | 65  | 4.3 (0.6, 13.4)            | 0.000146 (0.0000220, 0.0004607) | 4.1 (0.7, 12.7)            | 0.000123 (0.0000198, 0.0003744) |
| Kalimantan Selatan | Lower respiratory infections                  | 65  | 735.6 (378.4, 1,282.1)     | 0.025251 (0.0129900, 0.0440130) | 822.0 (461.6, 1,299.2)     | 0.024306 (0.0136480, 0.0384145) |
| Kalimantan Selatan | Malaria                                       | 65  | 253.9 (74.9, 604.1)        | 0.008717 (0.0025712, 0.0207397) | 161.0 (44.4, 412.2)        | 0.004759 (0.0013122, 0.0121880) |
| Kalimantan Selatan | Tuberculosis                                  | 65  | 3,457.0 (2,495.3, 4,637.0) | 0.118674 (0.0856610, 0.1591833) | 2,243.3 (1,562.4, 3,054.6) | 0.066332 (0.0461973, 0.0903201) |
| Kalimantan Selatan | Other communicable diseases                   | 65  | 449.4 (237.9, 743.5)       | 0.015428 (0.0081663, 0.0255228) | 527.5 (293.7, 837.4)       | 0.015598 (0.0086838, 0.0247613) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 65  | 271.4 (105.5, 600.6)       | 0.009316 (0.0036216, 0.0206180) | 69.3 (25.3, 169.5)         | 0.002048 (0.0007470, 0.0050114) |
| Kalimantan Selatan | Breast cancer                                 | 65  | 11.0 (2.7, 28.1)           | 0.000376 (0.0000912, 0.0009653) | 334.9 (130.2, 632.8)       | 0.009902 (0.0038484, 0.0187118) |
| Kalimantan Selatan | Cervical cancer                               | 65  |                            |                                 | 289.8 (107.2, 642.4)       | 0.008568 (0.0031692, 0.0189945) |
| Kalimantan Selatan | Other malignant neoplasms                     | 65  | 933.6 (562.1, 1,448.4)     | 0.032049 (0.0192962, 0.0497221) | 797.8 (456.7, 1,310.2)     | 0.023589 (0.0135032, 0.0387406) |
| Kalimantan Selatan | Cerebrovascular disease                       | 65  | 5,298.4 (3,967.8, 6,901.3) | 0.181887 (0.1362112, 0.2369155) | 5,375.1 (4,292.4, 6,710.9) | 0.158935 (0.1269208, 0.1984323) |
| Kalimantan Selatan | Ischemic heart disease                        | 65  | 3,894.5 (2,774.4, 5,305.7) | 0.133695 (0.0952425, 0.1821401) | 2,443.9 (1,737.8, 3,292.4) | 0.072262 (0.0513843, 0.0973518) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 65  | 2,117.7 (1,357.7, 3,180.0) | 0.072698 (0.0466085, 0.1091664) | 2,258.2 (1,544.7, 3,251.9) | 0.066771 (0.0456737, 0.0961556) |
| Kalimantan Selatan | Diabetes mellitus                             | 65  | 1,656.9 (1,105.6, 2,334.6) | 0.056878 (0.0379531, 0.0801459) | 2,580.2 (1,811.6, 3,457.2) | 0.076292 (0.0535680, 0.1022247) |
| Kalimantan Selatan | Chronic kidney disease                        | 65  | 651.6 (407.2, 955.8)       | 0.022368 (0.0139799, 0.0328108) | 465.6 (304.9, 669.1)       | 0.013768 (0.0090151, 0.0197859) |
| Kalimantan Selatan | Cirrhosis                                     | 65  | 1,176.2 (747.8, 1,811.4)   | 0.040378 (0.0256695, 0.0621829) | 830.2 (532.8, 1,233.7)     | 0.024547 (0.0157547, 0.0364781) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 65  | 2,442.3 (1,629.2, 3,408.1) | 0.083842 (0.0559298, 0.1169958) | 1,451.0 (940.5, 2,025.5)   | 0.042903 (0.0278100, 0.0598915) |
| Kalimantan Selatan | Other non-communicable diseases               | 65  | 2,025.2 (1,411.0, 2,842.1) | 0.069524 (0.0484384, 0.0975649) | 1,931.4 (1,375.2, 2,640.6) | 0.057109 (0.0406622, 0.0780788) |
| Kalimantan Selatan | Drowning                                      | 65  | 37.1 (11.3, 84.6)          | 0.001273 (0.0003883, 0.0029032) | 29.1 (8.3, 71.7)           | 0.000862 (0.0002468, 0.0021201) |
| Kalimantan Selatan | Falls                                         | 65  | 210.4 (91.5, 387.8)        | 0.007223 (0.0031407, 0.0133122) | 164.1 (77.1, 284.7)        | 0.004853 (0.0022792, 0.0084187) |
| Kalimantan Selatan | Interpersonal violence                        | 65  | 26.2 (11.0, 52.6)          | 0.000898 (0.0003779, 0.0018060) | 14.1 (5.8, 30.0)           | 0.000418 (0.0001728, 0.0008858) |
| Kalimantan Selatan | Self-harm                                     | 65  | 63.1 (30.9, 117.5)         | 0.002167 (0.0010624, 0.0040345) | 24.8 (12.0, 45.4)          | 0.000735 (0.0003536, 0.0013426) |
| Kalimantan Selatan | Transport injuries                            | 65  | 431.4 (231.0, 716.8)       | 0.014809 (0.0079315, 0.0246083) | 197.1 (102.6, 340.2)       | 0.005828 (0.0030346, 0.0100593) |
| Kalimantan Selatan | Other unintentional injuries                  | 65  | 226.1 (114.7, 396.4)       | 0.007762 (0.0039390, 0.0136089) | 103.0 (53.9, 182.5)        | 0.003045 (0.0015931, 0.0053969) |
| Kalimantan Selatan | Diarrheal diseases                            | 70  | 940.7 (566.9, 1,456.0)     | 0.049363 (0.0297487, 0.0764062) | 1,474.9 (983.7, 2,092.9)   | 0.056313 (0.0375585, 0.0799124) |

Aim 2 Supplementary Tables

| Location           | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|--------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                    |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Selatan | HIV/AIDS                                      | 70  | 4.7 (0.7, 15.3)            | 0.000245 (0.0000377, 0.0008010) | 5.2 (0.8, 16.9)            | 0.000197 (0.0000316, 0.0006441) |
| Kalimantan Selatan | Lower respiratory infections                  | 70  | 771.3 (405.2, 1,274.9)     | 0.040476 (0.0212648, 0.0668986) | 996.6 (568.6, 1,534.8)     | 0.038051 (0.0217086, 0.0586003) |
| Kalimantan Selatan | Malaria                                       | 70  | 194.2 (56.1, 484.1)        | 0.010193 (0.0029412, 0.0254043) | 135.1 (36.1, 367.5)        | 0.005159 (0.0013793, 0.0140336) |
| Kalimantan Selatan | Tuberculosis                                  | 70  | 2,875.0 (2,071.7, 3,842.8) | 0.150864 (0.1087125, 0.2016496) | 2,224.6 (1,564.1, 3,016.6) | 0.084941 (0.0597199, 0.1151823) |
| Kalimantan Selatan | Other communicable diseases                   | 70  | 396.0 (206.3, 660.6)       | 0.020782 (0.0108269, 0.0346653) | 499.8 (270.0, 835.0)       | 0.019085 (0.0103078, 0.0318809) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 70  | 192.6 (73.2, 434.6)        | 0.010108 (0.0038386, 0.0228081) | 56.4 (20.3, 140.4)         | 0.002152 (0.0007751, 0.0053626) |
| Kalimantan Selatan | Breast cancer                                 | 70  | 6.0 (1.3, 16.2)            | 0.000317 (0.0000704, 0.0008485) | 198.2 (72.6, 390.9)        | 0.007569 (0.0027702, 0.0149271) |
| Kalimantan Selatan | Cervical cancer                               | 70  |                            |                                 | 158.1 (52.9, 350.1)        | 0.006036 (0.0020200, 0.0133665) |
| Kalimantan Selatan | Other malignant neoplasms                     | 70  | 581.2 (353.6, 900.0)       | 0.030501 (0.0185577, 0.0472273) | 618.8 (357.9, 984.5)       | 0.023628 (0.0136664, 0.0375901) |
| Kalimantan Selatan | Cerebrovascular disease                       | 70  | 4,359.7 (3,287.5, 5,606.2) | 0.228775 (0.1725133, 0.2941889) | 5,408.1 (4,329.4, 6,761.1) | 0.206493 (0.1653080, 0.2581558) |
| Kalimantan Selatan | Ischemic heart disease                        | 70  | 2,973.0 (2,099.9, 4,051.0) | 0.156011 (0.1101932, 0.2125778) | 2,429.9 (1,739.7, 3,223.9) | 0.092778 (0.0664239, 0.1230949) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 70  | 1,863.7 (1,193.2, 2,764.2) | 0.097797 (0.0626113, 0.1450498) | 2,368.5 (1,635.1, 3,394.5) | 0.090433 (0.0624331, 0.1296082) |
| Kalimantan Selatan | Diabetes mellitus                             | 70  | 990.2 (660.6, 1,383.1)     | 0.051958 (0.0346658, 0.0725782) | 1,911.6 (1,318.5, 2,564.1) | 0.072991 (0.0503415, 0.0979034) |
| Kalimantan Selatan | Chronic kidney disease                        | 70  | 454.2 (287.7, 664.1)       | 0.023833 (0.0150981, 0.0348478) | 398.5 (263.2, 567.3)       | 0.015216 (0.0100480, 0.0216624) |
| Kalimantan Selatan | Cirrhosis                                     | 70  | 798.7 (505.9, 1,239.6)     | 0.041910 (0.0265484, 0.0650469) | 681.6 (425.9, 1,033.6)     | 0.026024 (0.0162625, 0.0394667) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 70  | 2,444.7 (1,701.2, 3,337.9) | 0.128284 (0.0892693, 0.1751560) | 1,698.8 (1,115.8, 2,312.2) | 0.064865 (0.0426025, 0.0882843) |
| Kalimantan Selatan | Other non-communicable diseases               | 70  | 1,799.6 (1,260.5, 2,469.8) | 0.094434 (0.0661454, 0.1296056) | 2,073.9 (1,503.5, 2,774.5) | 0.079184 (0.0574071, 0.1059383) |
| Kalimantan Selatan | Drowning                                      | 70  | 48.7 (16.7, 108.4)         | 0.002555 (0.0008745, 0.0056870) | 42.5 (14.4, 95.4)          | 0.001624 (0.0005500, 0.0036428) |
| Kalimantan Selatan | Falls                                         | 70  | 182.5 (80.4, 328.9)        | 0.009577 (0.0042165, 0.0172574) | 161.6 (78.2, 281.0)        | 0.006171 (0.0029873, 0.0107291) |
| Kalimantan Selatan | Interpersonal violence                        | 70  | 14.6 (5.7, 31.8)           | 0.000766 (0.0003004, 0.0016678) | 9.3 (3.4, 21.0)            | 0.000354 (0.0001294, 0.0008010) |
| Kalimantan Selatan | Self-harm                                     | 70  | 41.6 (20.0, 77.5)          | 0.002181 (0.0010491, 0.0040692) | 19.4 (9.2, 36.3)           | 0.000739 (0.0003499, 0.0013861) |
| Kalimantan Selatan | Transport injuries                            | 70  | 320.6 (174.2, 539.8)       | 0.016826 (0.0091427, 0.0283267) | 167.7 (85.2, 291.2)        | 0.006404 (0.0032537, 0.0111184) |
| Kalimantan Selatan | Other unintentional injuries                  | 70  | 171.7 (90.8, 295.7)        | 0.009008 (0.0047673, 0.0155179) | 90.6 (47.1, 168.0)         | 0.003461 (0.0017989, 0.0064152) |
| Kalimantan Selatan | Diarrheal diseases                            | 75  | 530.7 (324.1, 796.5)       | 0.064075 (0.0391300, 0.0961698) | 1,006.8 (691.1, 1,394.3)   | 0.079641 (0.0546670, 0.1102971) |
| Kalimantan Selatan | HIV/AIDS                                      | 75  | 1.7 (0.3, 5.6)             | 0.000209 (0.0000316, 0.0006761) | 2.3 (0.4, 7.4)             | 0.000179 (0.0000298, 0.0005833) |
| Kalimantan Selatan | Lower respiratory infections                  | 75  | 388.1 (211.5, 637.2)       | 0.046851 (0.0255395, 0.0769330) | 611.7 (364.6, 923.0)       | 0.048390 (0.0288404, 0.0730102) |
| Kalimantan Selatan | Malaria                                       | 75  | 95.3 (27.1, 245.5)         | 0.011501 (0.0032720, 0.0296357) | 76.5 (20.3, 216.2)         | 0.006054 (0.0016085, 0.0171055) |
| Kalimantan Selatan | Tuberculosis                                  | 75  | 1,201.9 (853.2, 1,634.7)   | 0.145116 (0.1030050, 0.1973652) | 1,077.0 (745.9, 1,471.7)   | 0.085191 (0.0589993, 0.1164173) |
| Kalimantan Selatan | Other communicable diseases                   | 75  | 179.5 (92.3, 306.0)        | 0.021668 (0.0111457, 0.0369439) | 279.0 (149.0, 448.3)       | 0.022072 (0.0117880, 0.0354595) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer           | 75  | 67.2 (24.8, 149.0)         | 0.008117 (0.0029929, 0.0179948) | 24.5 (8.5, 61.8)           | 0.001939 (0.0006711, 0.0048867) |
| Kalimantan Selatan | Breast cancer                                 | 75  | 1.9 (0.4, 5.8)             | 0.000232 (0.0000478, 0.0007048) | 70.6 (25.4, 144.3)         | 0.005587 (0.0020064, 0.0114111) |
| Kalimantan Selatan | Cervical cancer                               | 75  |                            |                                 | 55.5 (17.4, 131.9)         | 0.004391 (0.0013798, 0.0104344) |
| Kalimantan Selatan | Other malignant neoplasms                     | 75  | 212.6 (125.4, 328.6)       | 0.025672 (0.0151352, 0.0396763) | 295.1 (175.9, 472.4)       | 0.023342 (0.0139179, 0.0373669) |
| Kalimantan Selatan | Cerebrovascular disease                       | 75  | 2,049.2 (1,543.9, 2,639.8) | 0.247412 (0.1863988, 0.3187215) | 3,181.3 (2,561.3, 3,935.7) | 0.251650 (0.2026028, 0.3113232) |
| Kalimantan Selatan | Ischemic heart disease                        | 75  | 1,508.7 (1,089.0, 2,039.9) | 0.182148 (0.1314847, 0.2462844) | 1,542.0 (1,126.1, 2,026.1) | 0.121974 (0.0890780, 0.1602678) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases | 75  | 909.0 (584.6, 1,352.9)     | 0.109746 (0.0705838, 0.1633379) | 1,409.7 (974.6, 1,998.4)   | 0.111515 (0.0770953, 0.1580819) |
| Kalimantan Selatan | Diabetes mellitus                             | 75  | 391.7 (260.4, 547.2)       | 0.047295 (0.0314405, 0.0660625) | 930.1 (627.5, 1,257.1)     | 0.073570 (0.0496332, 0.0994390) |
| Kalimantan Selatan | Chronic kidney disease                        | 75  | 192.5 (120.0, 283.1)       | 0.023242 (0.0144919, 0.0341850) | 203.8 (133.5, 293.6)       | 0.016118 (0.0105618, 0.0232208) |
| Kalimantan Selatan | Cirrhosis                                     | 75  | 328.1 (207.7, 500.5)       | 0.039616 (0.0250785, 0.0604334) | 351.0 (221.7, 526.6)       | 0.027763 (0.0175343, 0.0416539) |
| Kalimantan Selatan | Chronic respiratory diseases                  | 75  | 1,163.7 (800.2, 1,600.8)   | 0.140496 (0.0966096, 0.1932684) | 956.4 (635.0, 1,306.2)     | 0.075657 (0.0502328, 0.1033204) |
| Kalimantan Selatan | Other non-communicable diseases               | 75  | 974.2 (693.8, 1,336.0)     | 0.117621 (0.0837713, 0.1613064) | 1,387.0 (1,036.1, 1,838.8) | 0.109715 (0.0819554, 0.1454562) |
| Kalimantan Selatan | Drowning                                      | 75  | 31.3 (11.1, 68.5)          | 0.003776 (0.0013377, 0.0082697) | 34.5 (13.8, 75.4)          | 0.002730 (0.0010906, 0.0059650) |
| Kalimantan Selatan | Falls                                         | 75  | 101.6 (47.0, 176.5)        | 0.012264 (0.0056763, 0.0213157) | 111.0 (54.2, 186.1)        | 0.008783 (0.0042861, 0.0147199) |
| Kalimantan Selatan | Interpersonal violence                        | 75  | 5.3 (1.6, 13.6)            | 0.000644 (0.0001918, 0.0016437) | 3.8 (1.2, 10.3)            | 0.000301 (0.0000916, 0.0008165) |
| Kalimantan Selatan | Self-harm                                     | 75  | 18.5 (8.4, 37.7)           | 0.002236 (0.0010170, 0.0045574) | 9.6 (4.2, 19.0)            | 0.000759 (0.0003288, 0.0015044) |
| Kalimantan Selatan | Transport injuries                            | 75  | 111.3 (55.3, 200.9)        | 0.013440 (0.0066779, 0.0242560) | 70.1 (33.9, 129.8)         | 0.005546 (0.0026790, 0.0102642) |
| Kalimantan Selatan | Other unintentional injuries                  | 75  | 77.2 (38.1, 139.5)         | 0.009323 (0.0046030, 0.0168448) | 48.0 (22.7, 89.6)          | 0.003795 (0.0017945, 0.0070845) |
| Kalimantan Selatan | Diarrheal diseases                            | 80  | 1,103.0 (756.2, 1,518.8)   | 0.151851 (0.1041007, 0.2090795) | 2,427.4 (1,771.0, 3,160.5) | 0.183378 (0.1337947, 0.2387627) |
| Kalimantan Selatan | HIV/AIDS                                      | 80  | 2.1 (0.3, 7.4)             | 0.000290 (0.0000400, 0.0010245) | 3.6 (0.5, 12.4)            | 0.000271 (0.0000380, 0.0009370) |
| Kalimantan Selatan | Lower respiratory infections                  | 80  | 574.9 (324.4, 905.9)       | 0.079149 (0.0446581, 0.1247136) | 1,105.5 (665.2, 1,635.3)   | 0.083516 (0.0502516, 0.1235406) |
| Kalimantan Selatan | Malaria                                       | 80  | 119.3 (28.9, 330.2)        | 0.016423 (0.0039815, 0.0454521) | 127.6 (31.3, 373.3)        | 0.009640 (0.0023658, 0.0282025) |
| Kalimantan Selatan | Tuberculosis                                  | 80  | 1,292.7 (923.0, 1,755.9)   | 0.177966 (0.1270621, 0.2417277) | 1,641.4 (1,109.7, 2,217.1) | 0.124004 (0.0838294, 0.1674898) |

Aim 2 Supplementary Tables

| Location           | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|--------------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                    |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Kalimantan Selatan | Other communicable diseases                              | 80  | 262.3 (138.2, 436.4)          | 0.036105 (0.0190288, 0.0600798) | 456.8 (245.4, 756.6)          | 0.034510 (0.0185386, 0.0571553) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer                      | 80  | 58.8 (20.7, 133.4)            | 0.008098 (0.0028536, 0.0183712) | 30.9 (10.4, 81.8)             | 0.002335 (0.0007863, 0.0061816) |
| Kalimantan Selatan | Breast cancer                                            | 80  | 1.5 (0.3, 4.4)                | 0.000200 (0.0000364, 0.0006099) | 73.2 (23.8, 153.0)            | 0.005527 (0.0017969, 0.0115575) |
| Kalimantan Selatan | Cervical cancer                                          | 80  |                               |                                 | 49.3 (13.7, 128.7)            | 0.003727 (0.0010321, 0.0097241) |
| Kalimantan Selatan | Other malignant neoplasms                                | 80  | 187.1 (112.2, 288.3)          | 0.025762 (0.0154439, 0.0396840) | 363.5 (216.8, 586.7)          | 0.027463 (0.0163768, 0.0443213) |
| Kalimantan Selatan | Cerebrovascular disease                                  | 80  | 2,344.0 (1,849.1, 2,921.2)    | 0.322689 (0.2545630, 0.4021523) | 4,954.4 (4,050.7, 6,001.0)    | 0.374283 (0.3060104, 0.4533488) |
| Kalimantan Selatan | Ischemic heart disease                                   | 80  | 1,528.3 (1,109.6, 1,984.5)    | 0.210395 (0.1527549, 0.2731924) | 2,334.6 (1,693.9, 3,040.8)    | 0.176372 (0.1279656, 0.2297190) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | 80  | 949.1 (632.0, 1,371.1)        | 0.130659 (0.0870030, 0.1887594) | 2,040.5 (1,411.2, 2,911.7)    | 0.154153 (0.1066126, 0.2199687) |
| Kalimantan Selatan | Diabetes mellitus                                        | 80  | 342.7 (227.9, 470.4)          | 0.047177 (0.0313728, 0.0647549) | 1,163.4 (790.7, 1,558.6)      | 0.087891 (0.0597325, 0.1177457) |
| Kalimantan Selatan | Chronic kidney disease                                   | 80  | 170.7 (106.1, 254.1)          | 0.023495 (0.0146057, 0.0349768) | 264.9 (173.1, 397.8)          | 0.020013 (0.0130803, 0.0300488) |
| Kalimantan Selatan | Cirrhosis                                                | 80  | 319.5 (203.8, 490.8)          | 0.043986 (0.0280503, 0.0675623) | 451.1 (280.0, 680.4)          | 0.034079 (0.0211506, 0.0514051) |
| Kalimantan Selatan | Chronic respiratory diseases                             | 80  | 1,304.9 (927.6, 1,741.5)      | 0.179641 (0.1277050, 0.2397426) | 1,452.9 (972.8, 1,963.0)      | 0.109758 (0.0734907, 0.1482932) |
| Kalimantan Selatan | Other non-communicable diseases                          | 80  | 1,214.0 (890.9, 1,593.2)      | 0.167125 (0.1226512, 0.2193236) | 2,368.2 (1,780.8, 3,043.2)    | 0.178904 (0.1345298, 0.2299009) |
| Kalimantan Selatan | Drowning                                                 | 80  | 40.0 (13.6, 90.2)             | 0.005500 (0.0018761, 0.0124170) | 46.2 (16.3, 107.0)            | 0.003492 (0.0012282, 0.0080810) |
| Kalimantan Selatan | Falls                                                    | 80  | 163.6 (80.7, 273.2)           | 0.022524 (0.0111112, 0.0376165) | 202.2 (106.3, 329.6)          | 0.015274 (0.0080326, 0.0249031) |
| Kalimantan Selatan | Interpersonal violence                                   | 80  | 4.3 (0.9, 12.7)               | 0.000593 (0.0001208, 0.0017471) | 4.4 (1.0, 13.7)               | 0.000334 (0.0000731, 0.0010359) |
| Kalimantan Selatan | Self-harm                                                | 80  | 17.6 (7.4, 36.9)              | 0.002427 (0.0010249, 0.0050747) | 13.7 (5.3, 28.8)              | 0.001032 (0.0003983, 0.0021757) |
| Kalimantan Selatan | Transport injuries                                       | 80  | 114.2 (52.3, 215.7)           | 0.015723 (0.0072057, 0.0296920) | 86.8 (36.6, 170.4)            | 0.006560 (0.0027655, 0.0128746) |
| Kalimantan Selatan | Other unintentional injuries                             | 80  | 81.9 (37.5, 147.4)            | 0.011269 (0.0051654, 0.0202881) | 65.6 (29.2, 121.1)            | 0.004956 (0.0022036, 0.0091503) |
| Kalimantan Selatan | Diarrheal diseases                                       | All | 18,106.9 (11,228.5, 27,259.5) | 0.008829 (0.0054749, 0.0132914) | 21,523.1 (14,271.3, 31,158.0) | 0.010736 (0.0071190, 0.0155426) |
| Kalimantan Selatan | HIV/AIDS                                                 | All | 1,984.2 (429.5, 5,549.1)      | 0.000968 (0.0002094, 0.0027057) | 1,211.8 (257.3, 3,316.0)      | 0.000605 (0.0001283, 0.0016541) |
| Kalimantan Selatan | Lower respiratory infections                             | All | 33,552.3 (21,340.8, 48,189.7) | 0.016360 (0.0104055, 0.0234967) | 25,413.5 (16,248.4, 37,388.2) | 0.012677 (0.0081052, 0.0186504) |
| Kalimantan Selatan | Malaria                                                  | All | 7,740.2 (2,623.6, 17,534.0)   | 0.003774 (0.0012792, 0.0085493) | 4,539.4 (1,395.3, 10,846.5)   | 0.002264 (0.0006960, 0.0054106) |
| Kalimantan Selatan | Tuberculosis                                             | All | 67,864.8 (51,139.5, 87,655.7) | 0.033090 (0.0249350, 0.0427398) | 36,912.4 (26,176.5, 48,983.8) | 0.018413 (0.0130577, 0.0244346) |
| Kalimantan Selatan | Maternal disorders                                       | All |                               |                                 | 5,010.3 (2,690.3, 8,339.7)    | 0.002499 (0.0013420, 0.0041601) |
| Kalimantan Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | All | 38,426.8 (18,696.9, 61,952.7) | 0.018736 (0.0091164, 0.0302074) | 26,509.2 (12,870.0, 46,546.0) | 0.013224 (0.0064200, 0.0232186) |
| Kalimantan Selatan | Preterm birth complications                              | All | 23,612.5 (9,494.3, 41,120.1)  | 0.011513 (0.0046293, 0.0200496) | 21,256.9 (9,256.9, 38,612.8)  | 0.010604 (0.0046176, 0.0192613) |
| Kalimantan Selatan | Other neonatal disorders                                 | All | 14,893.3 (4,033.3, 32,775.0)  | 0.007262 (0.0019666, 0.0159807) | 9,569.9 (2,721.8, 21,270.0)   | 0.004774 (0.0013577, 0.0106101) |
| Kalimantan Selatan | Other communicable diseases                              | All | 35,411.2 (23,962.3, 49,723.3) | 0.017266 (0.0116837, 0.0242445) | 26,211.6 (17,185.3, 37,892.6) | 0.013075 (0.0085726, 0.0189020) |
| Kalimantan Selatan | Tracheal, bronchus, and lung cancer                      | All | 3,696.1 (1,464.0, 8,373.2)    | 0.001802 (0.0007138, 0.0040827) | 1,261.8 (460.7, 3,035.7)      | 0.000629 (0.0002298, 0.0015143) |
| Kalimantan Selatan | Breast cancer                                            | All | 209.4 (62.4, 491.0)           | 0.000102 (0.0000304, 0.0002394) | 10,135.5 (4,541.2, 17,750.7)  | 0.005056 (0.0022653, 0.0088546) |
| Kalimantan Selatan | Cervical cancer                                          | All |                               |                                 | 7,593.0 (3,231.0, 15,147.0)   | 0.003788 (0.0016117, 0.0075558) |
| Kalimantan Selatan | Other malignant neoplasms                                | All | 26,009.1 (16,349.5, 37,955.4) | 0.012682 (0.0079718, 0.0185066) | 16,795.3 (10,227.2, 26,840.2) | 0.008378 (0.0051016, 0.0133887) |
| Kalimantan Selatan | Cerebrovascular disease                                  | All | 49,418.3 (36,901.7, 64,985.8) | 0.024096 (0.0179928, 0.0316863) | 46,431.6 (36,253.5, 58,934.5) | 0.023162 (0.0180844, 0.0293984) |
| Kalimantan Selatan | Ischemic heart disease                                   | All | 45,356.9 (32,497.0, 62,419.4) | 0.022116 (0.0158451, 0.0304349) | 25,822.3 (18,260.1, 35,182.2) | 0.012881 (0.0091087, 0.0175500) |
| Kalimantan Selatan | Other cardiovascular and circulatory diseases            | All | 21,529.5 (13,688.3, 32,785.2) | 0.010498 (0.0066742, 0.0159857) | 22,085.7 (14,729.1, 31,914.2) | 0.011017 (0.0073473, 0.0159198) |
| Kalimantan Selatan | Diabetes mellitus                                        | All | 20,549.3 (13,679.8, 28,607.9) | 0.010020 (0.0066701, 0.0139488) | 27,816.6 (19,095.2, 37,211.1) | 0.013876 (0.0095253, 0.0185620) |
| Kalimantan Selatan | Chronic kidney disease                                   | All | 11,854.2 (7,540.8, 17,300.1)  | 0.005780 (0.0036768, 0.0084353) | 7,955.2 (5,202.7, 11,660.6)   | 0.003968 (0.0025953, 0.0058167) |
| Kalimantan Selatan | Cirrhosis                                                | All | 27,312.8 (18,205.9, 40,620.2) | 0.013317 (0.0088770, 0.0198059) | 14,718.3 (9,418.2, 22,211.7)  | 0.007342 (0.0046981, 0.0110799) |
| Kalimantan Selatan | Chronic respiratory diseases                             | All | 23,589.9 (15,413.8, 33,844.7) | 0.011502 (0.0075156, 0.0165023) | 13,600.5 (8,500.1, 19,368.2)  | 0.006784 (0.0042401, 0.0096615) |
| Kalimantan Selatan | Other non-communicable diseases                          | All | 43,734.5 (31,679.3, 58,273.5) | 0.021324 (0.0154464, 0.0284134) | 39,836.4 (29,137.5, 52,189.4) | 0.019872 (0.0145347, 0.0260337) |
| Kalimantan Selatan | Drowning                                                 | All | 12,448.9 (6,858.3, 19,545.0)  | 0.006070 (0.0033440, 0.0095299) | 4,084.8 (2,000.1, 6,961.3)    | 0.002038 (0.0009977, 0.0034725) |
| Kalimantan Selatan | Falls                                                    | All | 5,706.1 (2,662.1, 9,923.2)    | 0.002782 (0.0012980, 0.0048384) | 2,819.6 (1,346.6, 4,930.0)    | 0.001407 (0.0006717, 0.0024592) |
| Kalimantan Selatan | Interpersonal violence                                   | All | 2,945.1 (1,783.8, 4,725.2)    | 0.001436 (0.0008698, 0.0023040) | 1,723.6 (957.7, 2,895.6)      | 0.000860 (0.0004777, 0.0014444) |
| Kalimantan Selatan | Self-harm                                                | All | 3,157.7 (1,825.8, 5,064.9)    | 0.001540 (0.0008902, 0.0024696) | 1,453.6 (815.8, 2,496.2)      | 0.000725 (0.0004069, 0.0012452) |
| Kalimantan Selatan | Transport injuries                                       | All | 43,363.1 (29,829.0, 61,189.6) | 0.021143 (0.0145443, 0.0298353) | 13,743.7 (8,728.6, 20,335.2)  | 0.006856 (0.0043541, 0.0101438) |
| Kalimantan Selatan | Other unintentional injuries                             | All | 15,898.3 (9,614.5, 24,741.7)  | 0.007752 (0.0046879, 0.0120637) | 5,822.6 (3,277.1, 9,348.5)    | 0.002905 (0.0016347, 0.0046633) |
| Kalimantan Timur   | Diarrheal diseases                                       | NN  | 222.1 (74.9, 462.0)           | 0.076266 (0.0257120, 0.1586381) | 180.7 (62.0, 400.2)           | 0.065433 (0.0224422, 0.1449239) |
| Kalimantan Timur   | Lower respiratory infections                             | NN  | 2,364.9 (1,012.0, 4,147.1)    | 0.811979 (0.3474714, 1.4238740) | 1,389.7 (601.5, 2,652.5)      | 0.503198 (0.2177983, 0.9604504) |
| Kalimantan Timur   | Malaria                                                  | NN  | 6.1 (0.4, 30.1)               | 0.002089 (0.0001405, 0.0103270) | 3.5 (0.3, 15.4)               | 0.001285 (0.0001024, 0.0055864) |



Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                       |                                 | Females                     |                                 |
|------------------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 4,996.2 (2,011.7, 9,141.6)  | 1.715430 (0.6907063, 3.1386981) | 3,195.0 (1,322.5, 6,416.4)  | 1.156895 (0.4788578, 2.3233740) |
| Kalimantan Timur | Preterm birth complications                              | NN  | 8,072.2 (3,482.4, 14,115.9) | 2.771555 (1.1956520, 4.8466048) | 6,856.2 (3,165.6, 12,373.3) | 2.482622 (1.1462420, 4.4803171) |
| Kalimantan Timur | Other neonatal disorders                                 | NN  | 5,253.3 (1,855.2, 10,730.1) | 1.803674 (0.6369767, 3.6841230) | 3,310.1 (1,198.3, 6,749.3)  | 1.198589 (0.4338948, 2.4438961) |
| Kalimantan Timur | Other communicable diseases                              | NN  | 295.5 (106.9, 625.9)        | 0.101444 (0.0367003, 0.2149097) | 165.6 (57.9, 370.3)         | 0.059950 (0.0209746, 0.1340723) |
| Kalimantan Timur | Other malignant neoplasms                                | NN  | 301.0 (106.1, 635.0)        | 0.103335 (0.0364203, 0.2180066) | 237.9 (90.0, 518.7)         | 0.086135 (0.0326005, 0.1878258) |
| Kalimantan Timur | Cerebrovascular disease                                  | NN  | 79.5 (19.5, 226.7)          | 0.027304 (0.0066863, 0.0778382) | 78.5 (18.8, 225.8)          | 0.028418 (0.0067998, 0.0817794) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | NN  | 88.8 (18.9, 241.5)          | 0.030493 (0.0064887, 0.0829113) | 80.3 (18.8, 229.2)          | 0.029090 (0.0068082, 0.0829849) |
| Kalimantan Timur | Diabetes mellitus                                        | NN  | 26.7 (0.1, 227.0)           | 0.009169 (0.0000374, 0.0779480) | 34.2 (0.2, 256.2)           | 0.012389 (0.0000571, 0.0927552) |
| Kalimantan Timur | Other non-communicable diseases                          | NN  | 4,691.5 (2,222.6, 7,798.7)  | 1.610815 (0.7631037, 2.6776531) | 4,174.3 (2,089.0, 7,287.4)  | 1.511515 (0.7564106, 2.6387579) |
| Kalimantan Timur | Drowning                                                 | NN  | 260.3 (74.6, 643.5)         | 0.089359 (0.0256120, 0.2209363) | 60.4 (15.7, 158.4)          | 0.021879 (0.0056877, 0.0573422) |
| Kalimantan Timur | Falls                                                    | NN  | 182.9 (50.6, 469.1)         | 0.062792 (0.0173700, 0.1610775) | 58.4 (16.0, 148.4)          | 0.021129 (0.0058065, 0.0537279) |
| Kalimantan Timur | Interpersonal violence                                   | NN  | 71.2 (17.1, 198.8)          | 0.024446 (0.0058715, 0.0682493) | 39.6 (9.6, 101.8)           | 0.014349 (0.0034644, 0.0368630) |
| Kalimantan Timur | Transport injuries                                       | NN  | 384.1 (121.8, 814.4)        | 0.131894 (0.0418315, 0.2796211) | 92.2 (29.0, 218.3)          | 0.033369 (0.0104978, 0.0790283) |
| Kalimantan Timur | Other unintentional injuries                             | NN  | 521.9 (178.4, 1,139.5)      | 0.179178 (0.0612399, 0.3912417) | 164.8 (55.8, 362.6)         | 0.059666 (0.0201892, 0.1312950) |
| Kalimantan Timur | Diarrheal diseases                                       | PNN | 62.9 (27.2, 112.2)          | 0.001730 (0.0007475, 0.0030863) | 77.3 (31.9, 138.6)          | 0.002242 (0.0009267, 0.0040216) |
| Kalimantan Timur | HIV/AIDS                                                 | PNN | 4.4 (0.8, 12.8)             | 0.000120 (0.0000222, 0.0003513) | 3.7 (0.7, 10.5)             | 0.000108 (0.0000192, 0.0003042) |
| Kalimantan Timur | Lower respiratory infections                             | PNN | 50.9 (23.1, 92.5)           | 0.001400 (0.0006361, 0.0025442) | 43.2 (18.7, 81.1)           | 0.001252 (0.0005416, 0.0023532) |
| Kalimantan Timur | Malaria                                                  | PNN | 1.7 (0.1, 6.8)              | 0.000046 (0.0000037, 0.0001876) | 1.5 (0.1, 6.3)              | 0.000043 (0.0000033, 0.0001830) |
| Kalimantan Timur | Tuberculosis                                             | PNN | 4.1 (1.4, 8.8)              | 0.000114 (0.0000373, 0.0002412) | 3.8 (1.2, 8.3)              | 0.000110 (0.0000348, 0.0002397) |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 2.8 (0.6, 7.9)              | 0.000078 (0.0000176, 0.0002178) | 2.5 (0.5, 7.1)              | 0.000073 (0.0000158, 0.0002063) |
| Kalimantan Timur | Preterm birth complications                              | PNN | 15.2 (4.7, 35.5)            | 0.000418 (0.0001286, 0.0009776) | 20.2 (6.1, 48.5)            | 0.000587 (0.0001759, 0.0014069) |
| Kalimantan Timur | Other neonatal disorders                                 | PNN | 14.3 (3.2, 40.0)            | 0.000394 (0.0000890, 0.0010995) | 12.6 (2.6, 37.2)            | 0.000366 (0.0000760, 0.0010784) |
| Kalimantan Timur | Other communicable diseases                              | PNN | 92.8 (44.0, 161.9)          | 0.002552 (0.0012097, 0.0044549) | 78.5 (35.4, 144.7)          | 0.002278 (0.0010264, 0.0041967) |
| Kalimantan Timur | Other malignant neoplasms                                | PNN | 3.4 (1.3, 6.8)              | 0.000094 (0.0000360, 0.0001884) | 3.7 (1.4, 7.6)              | 0.000107 (0.0000397, 0.0002211) |
| Kalimantan Timur | Cerebrovascular disease                                  | PNN | 0.9 (0.2, 2.4)              | 0.000025 (0.0000067, 0.0000655) | 1.2 (0.3, 3.4)              | 0.000036 (0.0000085, 0.0000991) |
| Kalimantan Timur | Ischemic heart disease                                   | PNN | 0.6 (0.0, 2.7)              | 0.000015 (0.0000010, 0.0000754) | 0.7 (0.0, 3.5)              | 0.000020 (0.0000014, 0.0001026) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | PNN | 1.0 (0.2, 2.8)              | 0.000028 (0.0000060, 0.0000760) | 1.2 (0.3, 3.3)              | 0.000036 (0.0000082, 0.0000962) |
| Kalimantan Timur | Diabetes mellitus                                        | PNN | 0.3 (0.0, 2.7)              | 0.000009 (0.0000000, 0.0000751) | 0.5 (0.0, 3.9)              | 0.000015 (0.0000001, 0.0001142) |
| Kalimantan Timur | Chronic kidney disease                                   | PNN | 3.1 (1.0, 6.8)              | 0.000087 (0.0000282, 0.0001879) | 3.7 (1.1, 8.4)              | 0.000108 (0.0000332, 0.0002446) |
| Kalimantan Timur | Other non-communicable diseases                          | PNN | 52.8 (25.2, 90.3)           | 0.001452 (0.0006941, 0.0024848) | 64.6 (30.4, 117.8)          | 0.001876 (0.0008828, 0.0034176) |
| Kalimantan Timur | Drowning                                                 | PNN | 3.6 (1.1, 8.4)              | 0.000099 (0.0000302, 0.0002322) | 1.1 (0.3, 2.8)              | 0.000033 (0.0000093, 0.0000825) |
| Kalimantan Timur | Falls                                                    | PNN | 2.4 (0.7, 5.9)              | 0.000067 (0.0000190, 0.0001620) | 1.1 (0.3, 2.7)              | 0.000031 (0.0000083, 0.0000792) |
| Kalimantan Timur | Interpersonal violence                                   | PNN | 0.9 (0.2, 2.5)              | 0.000025 (0.0000064, 0.0000678) | 0.7 (0.2, 1.8)              | 0.000021 (0.0000051, 0.0000522) |
| Kalimantan Timur | Transport injuries                                       | PNN | 5.2 (1.8, 10.9)             | 0.000144 (0.0000506, 0.0003005) | 1.7 (0.6, 3.8)              | 0.000050 (0.0000165, 0.0001112) |
| Kalimantan Timur | Other unintentional injuries                             | PNN | 6.8 (2.5, 14.0)             | 0.000187 (0.0000678, 0.0003864) | 2.9 (1.0, 6.3)              | 0.000086 (0.0000297, 0.0001830) |
| Kalimantan Timur | Diarrheal diseases                                       | 1   | 558.1 (182.0, 1,220.1)      | 0.003739 (0.0012195, 0.0081740) | 646.1 (214.1, 1,484.5)      | 0.004582 (0.0015187, 0.0105290) |
| Kalimantan Timur | HIV/AIDS                                                 | 1   | 97.5 (16.9, 319.7)          | 0.000653 (0.0001133, 0.0021420) | 78.5 (13.7, 250.3)          | 0.000557 (0.0000971, 0.0017750) |
| Kalimantan Timur | Lower respiratory infections                             | 1   | 1,116.0 (408.5, 2,334.9)    | 0.007476 (0.0027366, 0.0156422) | 889.0 (345.9, 1,807.0)      | 0.006305 (0.0024531, 0.0128168) |
| Kalimantan Timur | Malaria                                                  | 1   | 11.7 (1.0, 48.6)            | 0.000078 (0.0000065, 0.0003257) | 9.8 (0.8, 38.1)             | 0.000070 (0.0000058, 0.0002703) |
| Kalimantan Timur | Tuberculosis                                             | 1   | 99.5 (26.2, 242.0)          | 0.000667 (0.0001758, 0.0016211) | 85.0 (22.9, 202.9)          | 0.000603 (0.0001624, 0.0014394) |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 29.8 (6.4, 81.9)            | 0.000199 (0.0000428, 0.0005488) | 23.7 (4.9, 67.1)            | 0.000168 (0.0000350, 0.0004757) |
| Kalimantan Timur | Preterm birth complications                              | 1   | 32.3 (3.8, 118.1)           | 0.000217 (0.0000253, 0.0007912) | 39.1 (5.3, 155.4)           | 0.000277 (0.0000373, 0.0011021) |
| Kalimantan Timur | Other neonatal disorders                                 | 1   | 22.8 (0.1, 169.4)           | 0.000153 (0.0000009, 0.0011346) | 17.7 (0.1, 132.9)           | 0.000126 (0.0000009, 0.0009428) |
| Kalimantan Timur | Other communicable diseases                              | 1   | 1,814.4 (686.9, 3,833.7)    | 0.012155 (0.0046018, 0.0256828) | 1,464.8 (577.2, 3,037.2)    | 0.010390 (0.0040939, 0.0215425) |
| Kalimantan Timur | Other malignant neoplasms                                | 1   | 53.6 (16.6, 130.6)          | 0.000359 (0.0001110, 0.0008748) | 56.9 (18.0, 139.5)          | 0.000403 (0.0001275, 0.0009891) |
| Kalimantan Timur | Cerebrovascular disease                                  | 1   | 15.5 (3.1, 47.0)            | 0.000104 (0.0000205, 0.0003148) | 20.5 (4.6, 60.0)            | 0.000146 (0.0000327, 0.0004257) |
| Kalimantan Timur | Ischemic heart disease                                   | 1   | 9.4 (0.6, 41.8)             | 0.000063 (0.0000038, 0.0002798) | 11.5 (0.8, 56.6)            | 0.000082 (0.0000054, 0.0004013) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 1   | 16.2 (3.1, 46.9)            | 0.000108 (0.0000207, 0.0003143) | 19.4 (3.9, 57.6)            | 0.000138 (0.0000274, 0.0004086) |
| Kalimantan Timur | Diabetes mellitus                                        | 1   | 4.9 (0.0, 41.1)             | 0.000033 (0.0000001, 0.0002754) | 7.8 (0.0, 68.1)             | 0.000055 (0.0000003, 0.0004833) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | Chronic kidney disease                        | 1   | 47.8 (12.3, 127.0)         | 0.000320 (0.0000823, 0.0008510) | 54.9 (15.1, 137.9)         | 0.000389 (0.0001074, 0.0009780) |
| Kalimantan Timur | Cirrhosis                                     | 1   | 62.1 (15.6, 164.7)         | 0.000416 (0.0001046, 0.0011034) | 34.1 (8.6, 89.0)           | 0.000242 (0.0000608, 0.0006310) |
| Kalimantan Timur | Chronic respiratory diseases                  | 1   | 100.1 (25.9, 252.0)        | 0.000670 (0.0001737, 0.0016883) | 45.9 (11.5, 124.0)         | 0.000326 (0.0000814, 0.0008797) |
| Kalimantan Timur | Other non-communicable diseases               | 1   | 830.5 (306.9, 1,733.1)     | 0.005564 (0.0020559, 0.0116103) | 988.1 (383.2, 2,006.4)     | 0.007008 (0.0027182, 0.0142311) |
| Kalimantan Timur | Drowning                                      | 1   | 218.9 (60.8, 563.0)        | 0.001466 (0.0004072, 0.0037719) | 68.9 (17.2, 177.6)         | 0.000488 (0.0001223, 0.0012594) |
| Kalimantan Timur | Falls                                         | 1   | 101.9 (27.2, 273.2)        | 0.000683 (0.0001822, 0.0018301) | 43.7 (10.8, 113.2)         | 0.000310 (0.0000767, 0.0008030) |
| Kalimantan Timur | Interpersonal violence                        | 1   | 31.9 (7.5, 92.5)           | 0.000214 (0.0000502, 0.0006199) | 24.2 (5.7, 66.5)           | 0.000172 (0.0000401, 0.0004719) |
| Kalimantan Timur | Transport injuries                            | 1   | 279.8 (87.2, 626.5)        | 0.001875 (0.0005840, 0.0041970) | 91.5 (32.2, 216.6)         | 0.000649 (0.0002286, 0.0015366) |
| Kalimantan Timur | Other unintentional injuries                  | 1   | 245.7 (76.5, 584.5)        | 0.001646 (0.0005123, 0.0039159) | 104.8 (33.6, 244.8)        | 0.000744 (0.0002383, 0.0017362) |
| Kalimantan Timur | Diarrheal diseases                            | 5   | 616.4 (329.2, 962.9)       | 0.003630 (0.0019389, 0.0056708) | 631.0 (364.1, 955.3)       | 0.003935 (0.0022706, 0.0059577) |
| Kalimantan Timur | HIV/AIDS                                      | 5   | 78.7 (13.8, 226.8)         | 0.000463 (0.0000812, 0.0013358) | 55.7 (9.7, 158.7)          | 0.000347 (0.0000605, 0.0009900) |
| Kalimantan Timur | Lower respiratory infections                  | 5   | 851.1 (517.6, 1,227.4)     | 0.005013 (0.0030485, 0.0072283) | 599.7 (368.3, 851.1)       | 0.003740 (0.0022967, 0.0053080) |
| Kalimantan Timur | Malaria                                       | 5   | 13.0 (1.2, 50.1)           | 0.000077 (0.0000073, 0.0002950) | 9.7 (1.1, 35.4)            | 0.000061 (0.0000066, 0.0002210) |
| Kalimantan Timur | Tuberculosis                                  | 5   | 108.6 (45.9, 206.1)        | 0.000640 (0.0002702, 0.0012140) | 82.2 (34.1, 156.2)         | 0.000513 (0.0002128, 0.0009743) |
| Kalimantan Timur | Other communicable diseases                   | 5   | 1,982.3 (1,443.0, 2,652.9) | 0.011674 (0.0084978, 0.0156232) | 1,424.7 (1,032.8, 1,857.5) | 0.008886 (0.0064412, 0.0115846) |
| Kalimantan Timur | Other malignant neoplasms                     | 5   | 558.8 (322.4, 870.5)       | 0.003291 (0.0018989, 0.0051264) | 526.8 (330.5, 799.1)       | 0.003286 (0.0020613, 0.0049836) |
| Kalimantan Timur | Cerebrovascular disease                       | 5   | 106.4 (49.8, 207.9)        | 0.000626 (0.0002932, 0.0012242) | 124.4 (62.9, 217.7)        | 0.000776 (0.0003924, 0.0013577) |
| Kalimantan Timur | Ischemic heart disease                        | 5   | 74.1 (27.6, 156.1)         | 0.000436 (0.0001625, 0.0009193) | 80.1 (32.2, 160.0)         | 0.000499 (0.0002008, 0.0009976) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 5   | 125.5 (47.9, 274.5)        | 0.000739 (0.0002819, 0.0016169) | 132.5 (53.0, 265.1)        | 0.000827 (0.0003304, 0.0016535) |
| Kalimantan Timur | Diabetes mellitus                             | 5   | 101.7 (38.8, 225.5)        | 0.000599 (0.0002282, 0.0013279) | 154.8 (64.2, 332.4)        | 0.000966 (0.0004004, 0.0020728) |
| Kalimantan Timur | Chronic kidney disease                        | 5   | 174.0 (75.2, 330.2)        | 0.001025 (0.0004428, 0.0019443) | 179.5 (86.7, 322.6)        | 0.001120 (0.0005407, 0.0020122) |
| Kalimantan Timur | Cirrhosis                                     | 5   | 288.9 (139.6, 506.8)       | 0.001701 (0.0008224, 0.0029846) | 142.6 (67.8, 253.2)        | 0.000889 (0.0004228, 0.0015789) |
| Kalimantan Timur | Chronic respiratory diseases                  | 5   | 138.7 (59.0, 276.3)        | 0.000817 (0.0003475, 0.0016270) | 56.4 (22.9, 116.2)         | 0.000352 (0.0001428, 0.0007248) |
| Kalimantan Timur | Other non-communicable diseases               | 5   | 1,240.4 (899.0, 1,668.9)   | 0.007305 (0.0052943, 0.0098283) | 1,324.5 (999.9, 1,704.0)   | 0.008261 (0.0062362, 0.0106273) |
| Kalimantan Timur | Drowning                                      | 5   | 1,425.9 (773.5, 2,184.8)   | 0.008397 (0.0045552, 0.0128664) | 541.0 (271.0, 888.2)       | 0.003374 (0.0016904, 0.0055398) |
| Kalimantan Timur | Falls                                         | 5   | 337.6 (131.2, 699.5)       | 0.001988 (0.0007727, 0.0041198) | 165.9 (62.4, 330.9)        | 0.001035 (0.0003890, 0.0020637) |
| Kalimantan Timur | Interpersonal violence                        | 5   | 48.1 (15.0, 121.0)         | 0.000283 (0.0000882, 0.0007125) | 41.3 (14.0, 95.5)          | 0.000257 (0.0000871, 0.0005953) |
| Kalimantan Timur | Transport injuries                            | 5   | 1,710.6 (1,024.2, 2,458.0) | 0.010074 (0.0060319, 0.0144753) | 680.5 (373.9, 1,044.6)     | 0.004244 (0.0023317, 0.0065150) |
| Kalimantan Timur | Other unintentional injuries                  | 5   | 426.9 (197.8, 785.3)       | 0.002514 (0.0011647, 0.0046250) | 208.1 (97.3, 389.1)        | 0.001298 (0.0006068, 0.0024270) |
| Kalimantan Timur | Diarrheal diseases                            | 10  | 254.2 (131.2, 429.8)       | 0.001696 (0.0008750, 0.0028675) | 245.4 (130.1, 414.3)       | 0.001720 (0.0009120, 0.0029039) |
| Kalimantan Timur | HIV/AIDS                                      | 10  | 75.4 (16.9, 193.2)         | 0.000503 (0.0001129, 0.0012893) | 50.6 (11.2, 132.1)         | 0.000355 (0.0000785, 0.0009261) |
| Kalimantan Timur | Lower respiratory infections                  | 10  | 530.2 (298.1, 816.9)       | 0.003537 (0.0019889, 0.0054504) | 347.7 (195.4, 555.8)       | 0.002437 (0.0013694, 0.0038957) |
| Kalimantan Timur | Malaria                                       | 10  | 22.3 (2.6, 83.1)           | 0.000149 (0.0000175, 0.0005545) | 15.7 (1.9, 59.1)           | 0.000110 (0.0000130, 0.0004142) |
| Kalimantan Timur | Tuberculosis                                  | 10  | 238.6 (112.0, 399.6)       | 0.001592 (0.0007474, 0.0026663) | 168.8 (82.6, 282.1)        | 0.001183 (0.0005787, 0.0019772) |
| Kalimantan Timur | Maternal disorders                            | 10  |                            |                                 | 44.3 (7.5, 117.9)          | 0.000310 (0.0000525, 0.0008266) |
| Kalimantan Timur | Other communicable diseases                   | 10  | 1,246.9 (885.1, 1,719.9)   | 0.008319 (0.0059054, 0.0114749) | 831.0 (586.7, 1,131.2)     | 0.005825 (0.0041124, 0.0079293) |
| Kalimantan Timur | Other malignant neoplasms                     | 10  | 711.9 (468.6, 997.9)       | 0.004750 (0.0031265, 0.0066576) | 644.3 (444.3, 889.0)       | 0.004516 (0.0031142, 0.0062316) |
| Kalimantan Timur | Cerebrovascular disease                       | 10  | 148.7 (83.6, 243.5)        | 0.000992 (0.0005575, 0.0016247) | 162.5 (96.7, 256.3)        | 0.001139 (0.0006778, 0.0017968) |
| Kalimantan Timur | Ischemic heart disease                        | 10  | 153.4 (81.4, 256.7)        | 0.001024 (0.0005429, 0.0017126) | 153.4 (87.4, 245.4)        | 0.001075 (0.0006124, 0.0017204) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 10  | 160.0 (79.7, 301.6)        | 0.001067 (0.0005315, 0.0020125) | 159.6 (81.0, 295.6)        | 0.001119 (0.0005681, 0.0020717) |
| Kalimantan Timur | Diabetes mellitus                             | 10  | 127.0 (63.1, 217.5)        | 0.000848 (0.0004213, 0.0014514) | 183.3 (98.4, 308.5)        | 0.001285 (0.0006899, 0.0021624) |
| Kalimantan Timur | Chronic kidney disease                        | 10  | 213.4 (112.5, 347.1)       | 0.001424 (0.0007507, 0.0023155) | 208.3 (119.2, 321.7)       | 0.001460 (0.0008354, 0.0022551) |
| Kalimantan Timur | Cirrhosis                                     | 10  | 291.8 (169.2, 460.5)       | 0.001947 (0.0011288, 0.0030725) | 136.4 (77.2, 216.5)        | 0.000956 (0.0005408, 0.0015174) |
| Kalimantan Timur | Chronic respiratory diseases                  | 10  | 253.5 (133.2, 420.7)       | 0.001692 (0.0008888, 0.0028065) | 102.1 (51.7, 176.3)        | 0.000716 (0.0003624, 0.0012360) |
| Kalimantan Timur | Other non-communicable diseases               | 10  | 1,237.5 (941.4, 1,594.0)   | 0.008256 (0.0062809, 0.0106346) | 1,231.6 (956.7, 1,546.1)   | 0.008633 (0.0067057, 0.0108372) |
| Kalimantan Timur | Drowning                                      | 10  | 661.5 (307.7, 1,181.5)     | 0.004413 (0.0020532, 0.0078824) | 217.5 (91.0, 421.1)        | 0.001525 (0.0006377, 0.0029519) |
| Kalimantan Timur | Falls                                         | 10  | 265.6 (99.9, 541.9)        | 0.001772 (0.0006666, 0.0036151) | 116.7 (44.5, 243.7)        | 0.000818 (0.0003120, 0.0017083) |
| Kalimantan Timur | Interpersonal violence                        | 10  | 65.4 (27.9, 134.7)         | 0.000436 (0.0001862, 0.0008989) | 50.2 (20.9, 99.1)          | 0.000352 (0.0001465, 0.0006947) |
| Kalimantan Timur | Self-harm                                     | 10  | 51.8 (16.7, 118.1)         | 0.000346 (0.0001112, 0.0007879) | 34.1 (11.0, 73.0)          | 0.000239 (0.0000774, 0.0005118) |
| Kalimantan Timur | Transport injuries                            | 10  | 2,206.0 (1,592.1, 2,876.9) | 0.014718 (0.0106220, 0.0191943) | 833.8 (546.4, 1,183.4)     | 0.005845 (0.0038298, 0.0082949) |
| Kalimantan Timur | Other unintentional injuries                  | 10  | 372.4 (187.1, 633.7)       | 0.002485 (0.0012485, 0.0042279) | 162.2 (81.0, 295.1)        | 0.001137 (0.0005681, 0.0020688) |
| Kalimantan Timur | Diarrheal diseases                            | 15  | 191.5 (77.4, 349.8)        | 0.001365 (0.0005521, 0.0024941) | 93.9 (38.8, 179.7)         | 0.000701 (0.0002900, 0.0013415) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | HIV/AIDS                                      | 15  | 105.1 (23.5, 287.7)        | 0.000749 (0.0001677, 0.0020509) | 38.8 (8.2, 114.2)          | 0.000290 (0.0000615, 0.0008527) |
| Kalimantan Timur | Lower respiratory infections                  | 15  | 363.7 (179.7, 649.1)       | 0.002593 (0.0012812, 0.0046276) | 119.3 (56.5, 224.7)        | 0.000890 (0.0004217, 0.0016775) |
| Kalimantan Timur | Malaria                                       | 15  | 84.7 (11.2, 287.0)         | 0.000604 (0.0000799, 0.0020462) | 32.3 (3.6, 110.7)          | 0.000241 (0.0000269, 0.0008264) |
| Kalimantan Timur | Tuberculosis                                  | 15  | 708.9 (403.5, 1,065.7)     | 0.005054 (0.0028769, 0.0075981) | 257.9 (149.0, 396.4)       | 0.001926 (0.0011127, 0.0029596) |
| Kalimantan Timur | Maternal disorders                            | 15  |                            |                                 | 570.5 (349.9, 834.7)       | 0.004259 (0.0026125, 0.0062313) |
| Kalimantan Timur | Other communicable diseases                   | 15  | 1,093.0 (685.9, 1,596.8)   | 0.007793 (0.0048905, 0.0113844) | 360.7 (209.9, 552.6)       | 0.002693 (0.0015674, 0.0041256) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 15  | 189.4 (57.6, 437.9)        | 0.001350 (0.0004105, 0.0031221) | 54.9 (14.3, 133.2)         | 0.000410 (0.0001066, 0.0009943) |
| Kalimantan Timur | Breast cancer                                 | 15  | 6.9 (0.7, 29.5)            | 0.000050 (0.0000051, 0.0002102) | 124.3 (33.4, 303.1)        | 0.000928 (0.0002494, 0.0022627) |
| Kalimantan Timur | Cervical cancer                               | 15  |                            |                                 | 131.9 (36.5, 316.6)        | 0.000985 (0.0002728, 0.0023640) |
| Kalimantan Timur | Other malignant neoplasms                     | 15  | 1,213.0 (795.5, 1,719.8)   | 0.008648 (0.0056713, 0.0122617) | 910.3 (603.6, 1,288.9)     | 0.006796 (0.0045064, 0.0096225) |
| Kalimantan Timur | Cerebrovascular disease                       | 15  | 334.8 (195.2, 542.9)       | 0.002387 (0.0013918, 0.0038710) | 276.1 (154.5, 440.2)       | 0.002061 (0.0011535, 0.0032865) |
| Kalimantan Timur | Ischemic heart disease                        | 15  | 610.3 (374.2, 897.4)       | 0.004352 (0.0026676, 0.0063982) | 412.3 (261.3, 619.7)       | 0.003078 (0.0019504, 0.0046261) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 15  | 325.9 (164.4, 580.7)       | 0.002324 (0.0011719, 0.0041403) | 271.7 (124.1, 504.1)       | 0.002029 (0.0009262, 0.0037634) |
| Kalimantan Timur | Diabetes mellitus                             | 15  | 276.4 (140.3, 491.9)       | 0.001971 (0.0010004, 0.0035067) | 333.7 (175.6, 578.3)       | 0.002491 (0.0013108, 0.0043173) |
| Kalimantan Timur | Chronic kidney disease                        | 15  | 441.4 (244.8, 702.3)       | 0.003147 (0.0017455, 0.0050073) | 366.5 (211.4, 603.1)       | 0.002736 (0.0015784, 0.0045024) |
| Kalimantan Timur | Cirrhosis                                     | 15  | 443.6 (259.2, 694.5)       | 0.003163 (0.0018482, 0.0049515) | 170.0 (93.3, 284.2)        | 0.001269 (0.0006962, 0.0021215) |
| Kalimantan Timur | Chronic respiratory diseases                  | 15  | 340.3 (183.5, 573.7)       | 0.002426 (0.0013080, 0.0040899) | 140.1 (71.4, 235.9)        | 0.001046 (0.0005327, 0.0017613) |
| Kalimantan Timur | Other non-communicable diseases               | 15  | 1,857.2 (1,326.0, 2,407.3) | 0.013241 (0.0094537, 0.0171632) | 1,456.1 (1,054.5, 1,960.5) | 0.010871 (0.0078725, 0.0146361) |
| Kalimantan Timur | Drowning                                      | 15  | 317.7 (133.3, 634.0)       | 0.002265 (0.0009503, 0.0045203) | 75.0 (27.9, 167.4)         | 0.000560 (0.0002084, 0.0012499) |
| Kalimantan Timur | Falls                                         | 15  | 244.6 (103.9, 515.0)       | 0.001744 (0.0007407, 0.0036720) | 82.1 (30.5, 185.0)         | 0.000613 (0.0002277, 0.0013812) |
| Kalimantan Timur | Interpersonal violence                        | 15  | 200.4 (93.9, 359.3)        | 0.001428 (0.0006695, 0.0025618) | 129.5 (55.7, 248.6)        | 0.000967 (0.0004159, 0.0018561) |
| Kalimantan Timur | Self-harm                                     | 15  | 143.6 (60.6, 282.4)        | 0.001024 (0.0004319, 0.0020132) | 80.7 (31.5, 169.0)         | 0.000602 (0.0002353, 0.0012618) |
| Kalimantan Timur | Transport injuries                            | 15  | 6,425.5 (5,072.4, 7,732.3) | 0.045811 (0.0361642, 0.0551284) | 2,178.5 (1,580.8, 2,850.8) | 0.016264 (0.0118016, 0.0212825) |
| Kalimantan Timur | Other unintentional injuries                  | 15  | 640.2 (347.7, 1,055.0)     | 0.004564 (0.0024792, 0.0075215) | 223.5 (108.3, 413.9)       | 0.001669 (0.0008086, 0.0030903) |
| Kalimantan Timur | Diarrheal diseases                            | 20  | 234.1 (100.3, 436.2)       | 0.001532 (0.0006563, 0.0028539) | 106.2 (46.6, 196.2)        | 0.000724 (0.0003177, 0.0013378) |
| Kalimantan Timur | HIV/AIDS                                      | 20  | 482.3 (138.3, 1,123.3)     | 0.003155 (0.0009049, 0.0073486) | 148.0 (42.8, 358.7)        | 0.001009 (0.0002916, 0.0024456) |
| Kalimantan Timur | Lower respiratory infections                  | 20  | 468.0 (215.5, 850.0)       | 0.003062 (0.0014101, 0.0055610) | 123.7 (54.1, 234.6)        | 0.000843 (0.0003690, 0.0015996) |
| Kalimantan Timur | Malaria                                       | 20  | 133.4 (17.1, 462.4)        | 0.000873 (0.0001116, 0.0030249) | 42.5 (5.0, 145.5)          | 0.000290 (0.0000342, 0.0009920) |
| Kalimantan Timur | Tuberculosis                                  | 20  | 1,938.9 (1,200.0, 2,795.7) | 0.012684 (0.0078502, 0.0182899) | 496.4 (284.0, 782.9)       | 0.003385 (0.0019366, 0.0053378) |
| Kalimantan Timur | Maternal disorders                            | 20  |                            |                                 | 1,107.8 (751.0, 1,537.5)   | 0.007553 (0.0051203, 0.0104830) |
| Kalimantan Timur | Other communicable diseases                   | 20  | 1,722.9 (1,098.9, 2,512.3) | 0.011271 (0.0071892, 0.0164359) | 540.4 (333.3, 827.7)       | 0.003685 (0.0022723, 0.0056431) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 20  | 200.3 (64.5, 467.0)        | 0.001310 (0.0004217, 0.0030551) | 100.6 (31.6, 228.9)        | 0.000686 (0.0002152, 0.0015604) |
| Kalimantan Timur | Breast cancer                                 | 20  | 14.7 (2.8, 46.6)           | 0.000096 (0.0000181, 0.0003046) | 408.1 (183.0, 754.4)       | 0.002783 (0.0012475, 0.0051438) |
| Kalimantan Timur | Cervical cancer                               | 20  |                            |                                 | 332.3 (130.0, 683.2)       | 0.002266 (0.0008861, 0.0046584) |
| Kalimantan Timur | Other malignant neoplasms                     | 20  | 1,553.7 (1,015.9, 2,200.3) | 0.010164 (0.0066459, 0.0143945) | 1,127.9 (689.3, 1,663.6)   | 0.007691 (0.0047001, 0.0113431) |
| Kalimantan Timur | Cerebrovascular disease                       | 20  | 776.7 (497.0, 1,145.8)     | 0.005082 (0.0032517, 0.0074957) | 526.9 (348.6, 750.1)       | 0.003593 (0.0023770, 0.0051142) |
| Kalimantan Timur | Ischemic heart disease                        | 20  | 1,332.1 (888.7, 1,880.5)   | 0.008715 (0.0058138, 0.0123025) | 586.5 (385.0, 836.4)       | 0.003999 (0.0026248, 0.0057030) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 20  | 619.1 (363.3, 1,003.7)     | 0.004050 (0.0023767, 0.0065660) | 460.7 (269.7, 734.8)       | 0.003141 (0.0018390, 0.0050104) |
| Kalimantan Timur | Diabetes mellitus                             | 20  | 343.7 (192.4, 570.3)       | 0.002248 (0.0012588, 0.0037307) | 367.1 (207.3, 604.6)       | 0.002503 (0.0014137, 0.0041220) |
| Kalimantan Timur | Chronic kidney disease                        | 20  | 885.9 (517.5, 1,392.5)     | 0.005796 (0.0033855, 0.0091098) | 630.1 (390.6, 975.8)       | 0.004296 (0.0026631, 0.0066529) |
| Kalimantan Timur | Cirrhosis                                     | 20  | 909.2 (536.5, 1,358.6)     | 0.005948 (0.0035096, 0.0088880) | 323.1 (189.7, 508.5)       | 0.002203 (0.0012936, 0.0034668) |
| Kalimantan Timur | Chronic respiratory diseases                  | 20  | 995.4 (588.7, 1,555.1)     | 0.006512 (0.0038516, 0.0101736) | 417.9 (243.1, 662.8)       | 0.002850 (0.0016576, 0.0045188) |
| Kalimantan Timur | Other non-communicable diseases               | 20  | 2,203.4 (1,552.3, 2,951.7) | 0.014415 (0.0101554, 0.0193104) | 1,494.9 (1,061.4, 2,037.7) | 0.010193 (0.0072370, 0.0138936) |
| Kalimantan Timur | Drowning                                      | 20  | 286.1 (108.9, 603.1)       | 0.001871 (0.0007121, 0.0039458) | 65.5 (23.3, 149.6)         | 0.000447 (0.0001585, 0.0010203) |
| Kalimantan Timur | Falls                                         | 20  | 301.3 (127.1, 635.9)       | 0.001971 (0.0008317, 0.0041601) | 93.3 (36.4, 208.8)         | 0.000636 (0.0002484, 0.0014236) |
| Kalimantan Timur | Interpersonal violence                        | 20  | 299.9 (143.1, 531.4)       | 0.001962 (0.0009362, 0.0034764) | 151.1 (68.5, 284.7)        | 0.001030 (0.0004671, 0.0019414) |
| Kalimantan Timur | Self-harm                                     | 20  | 184.4 (77.3, 362.7)        | 0.001207 (0.0005056, 0.0023725) | 78.9 (31.3, 161.2)         | 0.000538 (0.0002132, 0.0010989) |
| Kalimantan Timur | Transport injuries                            | 20  | 6,758.1 (5,098.5, 8,495.8) | 0.044212 (0.0333550, 0.0555803) | 1,860.5 (1,281.4, 2,600.6) | 0.012686 (0.0087371, 0.0177315) |
| Kalimantan Timur | Other unintentional injuries                  | 20  | 892.3 (476.2, 1,522.2)     | 0.005838 (0.0031156, 0.0099583) | 262.5 (127.4, 479.0)       | 0.001790 (0.0008688, 0.0032661) |
| Kalimantan Timur | Diarrheal diseases                            | 25  | 366.8 (169.8, 655.1)       | 0.002086 (0.0009655, 0.0037256) | 220.5 (101.4, 402.8)       | 0.001349 (0.0006203, 0.0024643) |
| Kalimantan Timur | HIV/AIDS                                      | 25  | 974.1 (315.6, 2,111.0)     | 0.005540 (0.0017946, 0.0120044) | 386.2 (118.9, 853.4)       | 0.002363 (0.0007272, 0.0052209) |
| Kalimantan Timur | Lower respiratory infections                  | 25  | 537.0 (247.0, 1,002.6)     | 0.003054 (0.0014044, 0.0057016) | 183.8 (77.7, 359.7)        | 0.001124 (0.0004754, 0.0022007) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | Malaria                                       | 25  | 158.0 (19.8, 523.3)        | 0.000899 (0.0001125, 0.0029757) | 63.2 (7.6, 213.3)          | 0.000387 (0.0000468, 0.0013047) |
| Kalimantan Timur | Tuberculosis                                  | 25  | 2,998.7 (1,889.9, 4,320.2) | 0.017053 (0.0107473, 0.0245677) | 919.5 (528.5, 1,415.6)     | 0.005625 (0.0032332, 0.0086600) |
| Kalimantan Timur | Maternal disorders                            | 25  |                            |                                 | 1,039.7 (683.9, 1,483.2)   | 0.006361 (0.0041839, 0.0090734) |
| Kalimantan Timur | Other communicable diseases                   | 25  | 1,999.8 (1,241.6, 2,974.0) | 0.011373 (0.0070603, 0.0169123) | 846.3 (530.5, 1,269.9)     | 0.005177 (0.0032454, 0.0077685) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 25  | 228.5 (62.7, 552.5)        | 0.001300 (0.0003566, 0.0031418) | 149.1 (50.3, 332.2)        | 0.000912 (0.0003078, 0.0020323) |
| Kalimantan Timur | Breast cancer                                 | 25  | 15.8 (3.8, 45.7)           | 0.000090 (0.0000217, 0.0002602) | 910.4 (485.3, 1,493.7)     | 0.005570 (0.0029690, 0.0091377) |
| Kalimantan Timur | Cervical cancer                               | 25  |                            |                                 | 572.6 (254.4, 1,045.7)     | 0.003503 (0.0015563, 0.0063974) |
| Kalimantan Timur | Other malignant neoplasms                     | 25  | 2,218.4 (1,479.7, 3,119.5) | 0.012615 (0.0084145, 0.0177394) | 1,370.8 (821.4, 2,096.7)   | 0.008386 (0.0050250, 0.0128266) |
| Kalimantan Timur | Cerebrovascular disease                       | 25  | 1,494.7 (1,049.2, 2,074.5) | 0.008500 (0.0059666, 0.0117972) | 985.0 (673.4, 1,358.0)     | 0.006026 (0.0041196, 0.0083080) |
| Kalimantan Timur | Ischemic heart disease                        | 25  | 2,772.9 (2,022.4, 3,743.7) | 0.015769 (0.0115006, 0.0212891) | 1,087.6 (743.9, 1,518.3)   | 0.006653 (0.0045507, 0.0092886) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 25  | 877.5 (543.4, 1,382.3)     | 0.004990 (0.0030904, 0.0078605) | 651.9 (393.3, 1,023.6)     | 0.003988 (0.0024058, 0.0062618) |
| Kalimantan Timur | Diabetes mellitus                             | 25  | 643.2 (400.3, 962.8)       | 0.003658 (0.0022767, 0.0054754) | 652.3 (404.0, 1,001.7)     | 0.003991 (0.0024715, 0.0061283) |
| Kalimantan Timur | Chronic kidney disease                        | 25  | 1,125.2 (676.1, 1,725.0)   | 0.006399 (0.0038447, 0.0098094) | 754.6 (474.0, 1,160.6)     | 0.004617 (0.0029000, 0.0071004) |
| Kalimantan Timur | Cirrhosis                                     | 25  | 1,390.6 (887.2, 2,059.1)   | 0.007908 (0.0050455, 0.0117095) | 488.6 (296.1, 738.4)       | 0.002989 (0.0018117, 0.0045172) |
| Kalimantan Timur | Chronic respiratory diseases                  | 25  | 1,331.4 (782.5, 2,054.3)   | 0.007571 (0.0044500, 0.0116822) | 563.7 (335.0, 906.7)       | 0.003448 (0.0020494, 0.0055467) |
| Kalimantan Timur | Other non-communicable diseases               | 25  | 2,754.0 (1,997.9, 3,712.1) | 0.015661 (0.0113612, 0.0211095) | 1,842.2 (1,317.2, 2,519.4) | 0.011270 (0.0080582, 0.0154127) |
| Kalimantan Timur | Drowning                                      | 25  | 200.8 (68.9, 438.2)        | 0.001142 (0.0003919, 0.0024921) | 48.6 (16.9, 113.1)         | 0.000297 (0.0001036, 0.0006918) |
| Kalimantan Timur | Falls                                         | 25  | 466.2 (194.5, 978.9)       | 0.002651 (0.0011059, 0.0055668) | 148.3 (58.6, 329.9)        | 0.000907 (0.0003582, 0.0020180) |
| Kalimantan Timur | Interpersonal violence                        | 25  | 339.0 (167.0, 585.5)       | 0.001928 (0.0009498, 0.0033296) | 158.5 (73.8, 293.6)        | 0.000969 (0.0004514, 0.0017963) |
| Kalimantan Timur | Self-harm                                     | 25  | 193.9 (78.7, 379.2)        | 0.001103 (0.0004474, 0.0021563) | 75.6 (29.4, 158.2)         | 0.000462 (0.0001800, 0.0009679) |
| Kalimantan Timur | Transport injuries                            | 25  | 5,215.4 (3,622.0, 6,997.9) | 0.029658 (0.0205970, 0.0397947) | 1,306.3 (805.8, 1,944.7)   | 0.007992 (0.0049293, 0.0118966) |
| Kalimantan Timur | Other unintentional injuries                  | 25  | 1,173.7 (603.5, 1,999.3)   | 0.006675 (0.0034318, 0.0113691) | 335.0 (160.5, 587.9)       | 0.002049 (0.0009817, 0.0035966) |
| Kalimantan Timur | Diarrheal diseases                            | 30  | 371.4 (163.6, 662.4)       | 0.002265 (0.0009980, 0.0040400) | 226.2 (108.1, 402.2)       | 0.001557 (0.0007440, 0.0027677) |
| Kalimantan Timur | HIV/AIDS                                      | 30  | 868.2 (302.9, 1,924.7)     | 0.005296 (0.0018475, 0.0117398) | 366.7 (118.4, 810.9)       | 0.002524 (0.0008148, 0.0055804) |
| Kalimantan Timur | Lower respiratory infections                  | 30  | 424.8 (191.7, 791.0)       | 0.002591 (0.0011692, 0.0048247) | 158.3 (67.2, 305.2)        | 0.001089 (0.0004628, 0.0021006) |
| Kalimantan Timur | Malaria                                       | 30  | 121.2 (17.2, 379.9)        | 0.000739 (0.0001050, 0.0023171) | 48.5 (6.2, 155.0)          | 0.000334 (0.0000427, 0.0010664) |
| Kalimantan Timur | Tuberculosis                                  | 30  | 2,536.8 (1,581.3, 3,800.2) | 0.015473 (0.0096449, 0.0231788) | 840.7 (481.3, 1,343.9)     | 0.005786 (0.0033119, 0.0092487) |
| Kalimantan Timur | Maternal disorders                            | 30  |                            |                                 | 876.9 (559.0, 1,273.5)     | 0.006035 (0.0038473, 0.0087644) |
| Kalimantan Timur | Other communicable diseases                   | 30  | 1,268.8 (739.3, 1,992.0)   | 0.007739 (0.0045093, 0.0121500) | 545.1 (320.0, 851.4)       | 0.003751 (0.0022024, 0.0058591) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 30  | 436.4 (135.1, 1,046.5)     | 0.002662 (0.0008242, 0.0063828) | 156.5 (57.7, 328.9)        | 0.001077 (0.0003973, 0.0022633) |
| Kalimantan Timur | Breast cancer                                 | 30  | 18.2 (3.2, 61.3)           | 0.000111 (0.0000195, 0.0003739) | 1,328.7 (772.4, 2,089.7)   | 0.009144 (0.0053156, 0.0143809) |
| Kalimantan Timur | Cervical cancer                               | 30  |                            |                                 | 741.4 (339.7, 1,321.1)     | 0.005103 (0.0023378, 0.0090915) |
| Kalimantan Timur | Other malignant neoplasms                     | 30  | 2,800.0 (1,841.7, 3,884.0) | 0.017079 (0.0112332, 0.0236902) | 1,298.6 (754.2, 2,025.4)   | 0.008937 (0.0051901, 0.0139389) |
| Kalimantan Timur | Cerebrovascular disease                       | 30  | 2,084.9 (1,470.4, 2,865.6) | 0.012717 (0.0089684, 0.0174783) | 1,422.5 (1,017.0, 1,946.6) | 0.009790 (0.0069992, 0.0133967) |
| Kalimantan Timur | Ischemic heart disease                        | 30  | 3,420.6 (2,433.5, 4,645.8) | 0.020864 (0.0148431, 0.0283367) | 1,439.2 (1,014.1, 2,016.4) | 0.009904 (0.0069790, 0.0138770) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 30  | 969.3 (603.6, 1,474.9)     | 0.005912 (0.0036817, 0.0089962) | 731.0 (448.8, 1,121.4)     | 0.005031 (0.0030887, 0.0077177) |
| Kalimantan Timur | Diabetes mellitus                             | 30  | 961.3 (627.3, 1,370.9)     | 0.005864 (0.0038261, 0.0083620) | 973.9 (633.3, 1,413.6)     | 0.006702 (0.0043581, 0.0097280) |
| Kalimantan Timur | Chronic kidney disease                        | 30  | 1,119.2 (690.2, 1,729.0)   | 0.006826 (0.0042100, 0.0105460) | 755.2 (477.6, 1,177.3)     | 0.005197 (0.0032865, 0.0081022) |
| Kalimantan Timur | Cirrhosis                                     | 30  | 1,642.5 (1,045.3, 2,423.8) | 0.010018 (0.0063760, 0.0147841) | 587.7 (356.7, 895.7)       | 0.004044 (0.0024548, 0.0061643) |
| Kalimantan Timur | Chronic respiratory diseases                  | 30  | 1,251.1 (740.0, 1,887.9)   | 0.007631 (0.0045138, 0.0115152) | 534.1 (309.5, 838.8)       | 0.003676 (0.0021297, 0.0057728) |
| Kalimantan Timur | Other non-communicable diseases               | 30  | 2,556.3 (1,812.5, 3,493.0) | 0.015592 (0.0110552, 0.0213050) | 1,758.5 (1,230.3, 2,442.8) | 0.012102 (0.0084667, 0.0168115) |
| Kalimantan Timur | Drowning                                      | 30  | 203.8 (75.6, 445.6)        | 0.001243 (0.0004614, 0.0027177) | 52.6 (18.3, 123.6)         | 0.000362 (0.0001262, 0.0008505) |
| Kalimantan Timur | Falls                                         | 30  | 501.4 (217.3, 1,011.7)     | 0.003058 (0.0013255, 0.0061708) | 168.6 (66.9, 367.9)        | 0.001160 (0.0004605, 0.0025320) |
| Kalimantan Timur | Interpersonal violence                        | 30  | 245.2 (115.5, 430.8)       | 0.001496 (0.0007042, 0.0026275) | 118.6 (51.5, 228.4)        | 0.000816 (0.0003547, 0.0015720) |
| Kalimantan Timur | Self-harm                                     | 30  | 137.8 (57.2, 273.2)        | 0.000841 (0.0003491, 0.0016665) | 55.4 (22.0, 114.7)         | 0.000381 (0.0001516, 0.0007896) |
| Kalimantan Timur | Transport injuries                            | 30  | 4,135.8 (2,770.2, 5,875.2) | 0.025226 (0.0168963, 0.0358354) | 1,063.8 (661.0, 1,634.5)   | 0.007321 (0.0045489, 0.0112482) |
| Kalimantan Timur | Other unintentional injuries                  | 30  | 989.9 (499.0, 1,737.0)     | 0.006038 (0.0030436, 0.0105945) | 294.0 (138.3, 529.0)       | 0.002024 (0.0009520, 0.0036403) |
| Kalimantan Timur | Diarrheal diseases                            | 35  | 275.9 (123.0, 483.3)       | 0.001918 (0.0008552, 0.0033597) | 232.7 (106.3, 427.4)       | 0.001822 (0.0008325, 0.0033462) |
| Kalimantan Timur | HIV/AIDS                                      | 35  | 661.8 (198.4, 1,465.1)     | 0.004600 (0.0013790, 0.0101839) | 360.8 (109.0, 827.5)       | 0.002825 (0.0008534, 0.0064785) |
| Kalimantan Timur | Lower respiratory infections                  | 35  | 389.0 (179.6, 757.2)       | 0.002704 (0.0012482, 0.0052631) | 197.4 (86.2, 382.3)        | 0.001546 (0.0006746, 0.0029929) |
| Kalimantan Timur | Malaria                                       | 35  | 94.8 (12.8, 300.1)         | 0.000659 (0.0000891, 0.0020857) | 47.1 (6.1, 151.3)          | 0.000369 (0.0000480, 0.0011847) |
| Kalimantan Timur | Tuberculosis                                  | 35  | 2,435.4 (1,539.1, 3,561.8) | 0.016929 (0.0106984, 0.0247583) | 969.5 (547.8, 1,534.0)     | 0.007590 (0.0042883, 0.0120092) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | Maternal disorders                            | 35  |                            |                                 | 658.6 (391.8, 986.9)       | 0.005156 (0.0030674, 0.0077263) |
| Kalimantan Timur | Other communicable diseases                   | 35  | 945.5 (554.7, 1,474.6)     | 0.006572 (0.0038560, 0.0102499) | 580.5 (342.1, 924.4)       | 0.004545 (0.0026784, 0.0072368) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 35  | 341.7 (117.3, 748.2)       | 0.002375 (0.0008155, 0.0052006) | 194.6 (76.9, 404.4)        | 0.001523 (0.0006018, 0.0031663) |
| Kalimantan Timur | Breast cancer                                 | 35  | 27.1 (5.1, 83.3)           | 0.000188 (0.0000353, 0.0005791) | 1,765.2 (1,032.5, 2,758.2) | 0.013819 (0.0080829, 0.0215927) |
| Kalimantan Timur | Cervical cancer                               | 35  |                            |                                 | 1,109.9 (524.5, 1,931.0)   | 0.008689 (0.0041059, 0.0151175) |
| Kalimantan Timur | Other malignant neoplasms                     | 35  | 3,224.8 (2,222.9, 4,410.7) | 0.022416 (0.0154516, 0.0306593) | 1,307.3 (726.5, 2,123.3)   | 0.010234 (0.0056875, 0.0166223) |
| Kalimantan Timur | Cerebrovascular disease                       | 35  | 2,920.7 (2,105.9, 3,957.0) | 0.020302 (0.0146384, 0.0275051) | 2,230.6 (1,603.0, 3,098.9) | 0.017462 (0.0125496, 0.0242607) |
| Kalimantan Timur | Ischemic heart disease                        | 35  | 4,466.7 (3,305.2, 5,996.1) | 0.031049 (0.0229750, 0.0416793) | 2,017.8 (1,431.7, 2,883.0) | 0.015797 (0.0112087, 0.0225705) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 35  | 1,098.3 (704.7, 1,666.5)   | 0.007635 (0.0048981, 0.0115837) | 904.1 (565.8, 1,383.5)     | 0.007078 (0.0044294, 0.0108308) |
| Kalimantan Timur | Diabetes mellitus                             | 35  | 1,596.5 (1,069.3, 2,305.3) | 0.011097 (0.0074331, 0.0160242) | 1,701.7 (1,110.5, 2,481.1) | 0.013322 (0.0086935, 0.0194234) |
| Kalimantan Timur | Chronic kidney disease                        | 35  | 1,197.8 (737.9, 1,849.0)   | 0.008326 (0.0051295, 0.0128527) | 841.9 (528.0, 1,332.0)     | 0.006591 (0.0041339, 0.0104277) |
| Kalimantan Timur | Cirrhosis                                     | 35  | 1,798.4 (1,151.4, 2,608.2) | 0.012501 (0.0080034, 0.0181298) | 728.6 (430.9, 1,099.7)     | 0.005704 (0.0033737, 0.0086093) |
| Kalimantan Timur | Chronic respiratory diseases                  | 35  | 1,333.7 (831.4, 2,019.2)   | 0.009271 (0.0057789, 0.0140357) | 597.8 (357.5, 942.4)       | 0.004680 (0.0027986, 0.0073781) |
| Kalimantan Timur | Other non-communicable diseases               | 35  | 2,341.6 (1,667.6, 3,220.0) | 0.016276 (0.0115913, 0.0223828) | 1,788.4 (1,242.8, 2,542.2) | 0.014001 (0.0097294, 0.0199024) |
| Kalimantan Timur | Drowning                                      | 35  | 220.3 (84.3, 491.2)        | 0.001532 (0.0005859, 0.0034146) | 78.2 (29.1, 170.3)         | 0.000612 (0.0002280, 0.0013334) |
| Kalimantan Timur | Falls                                         | 35  | 451.6 (194.1, 913.7)       | 0.003139 (0.0013492, 0.0063510) | 195.6 (78.3, 401.3)        | 0.001532 (0.0006132, 0.0031419) |
| Kalimantan Timur | Interpersonal violence                        | 35  | 204.0 (94.1, 357.3)        | 0.001418 (0.0006538, 0.0024838) | 105.0 (45.6, 203.5)        | 0.000822 (0.0003570, 0.0015929) |
| Kalimantan Timur | Self-harm                                     | 35  | 124.4 (48.2, 247.7)        | 0.000865 (0.0003354, 0.0017218) | 51.5 (19.4, 104.0)         | 0.000403 (0.0001519, 0.0008144) |
| Kalimantan Timur | Transport injuries                            | 35  | 3,080.2 (1,994.8, 4,457.6) | 0.021411 (0.0138658, 0.0309851) | 941.2 (573.9, 1,496.8)     | 0.007368 (0.0044928, 0.0117179) |
| Kalimantan Timur | Other unintentional injuries                  | 35  | 867.3 (438.8, 1,479.8)     | 0.006029 (0.0030500, 0.0102865) | 298.1 (142.7, 524.9)       | 0.002334 (0.0011168, 0.0041096) |
| Kalimantan Timur | Diarrheal diseases                            | 40  | 278.7 (127.8, 495.3)       | 0.002295 (0.0010524, 0.0040781) | 267.4 (133.5, 465.3)       | 0.002534 (0.0012652, 0.0044094) |
| Kalimantan Timur | HIV/AIDS                                      | 40  | 316.3 (92.5, 791.8)        | 0.002605 (0.0007615, 0.0065203) | 199.4 (54.5, 507.8)        | 0.001889 (0.0005169, 0.0048128) |
| Kalimantan Timur | Lower respiratory infections                  | 40  | 363.2 (166.4, 695.9)       | 0.002991 (0.0013704, 0.0057300) | 215.0 (97.8, 406.7)        | 0.002038 (0.0009264, 0.0038541) |
| Kalimantan Timur | Malaria                                       | 40  | 82.7 (10.9, 257.9)         | 0.000681 (0.0000901, 0.0021236) | 45.3 (5.8, 149.9)          | 0.000429 (0.0000547, 0.0014205) |
| Kalimantan Timur | Tuberculosis                                  | 40  | 1,998.2 (1,294.5, 2,944.3) | 0.016454 (0.0106594, 0.0242447) | 892.0 (553.5, 1,374.3)     | 0.008453 (0.0052451, 0.0130240) |
| Kalimantan Timur | Maternal disorders                            | 40  |                            |                                 | 137.9 (73.6, 230.8)        | 0.001307 (0.0006977, 0.0021874) |
| Kalimantan Timur | Other communicable diseases                   | 40  | 868.7 (503.3, 1,364.7)     | 0.007153 (0.0041440, 0.0112375) | 613.6 (376.9, 943.8)       | 0.005815 (0.0035717, 0.0089442) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 40  | 485.6 (210.7, 980.5)       | 0.003999 (0.0017351, 0.0080735) | 203.2 (88.1, 402.5)        | 0.001926 (0.0008351, 0.0038142) |
| Kalimantan Timur | Breast cancer                                 | 40  | 39.9 (9.3, 109.6)          | 0.000328 (0.0000767, 0.0009025) | 1,877.3 (1,129.4, 2,789.0) | 0.017791 (0.0107030, 0.0264307) |
| Kalimantan Timur | Cervical cancer                               | 40  |                            |                                 | 1,265.4 (644.8, 2,142.6)   | 0.011992 (0.0061108, 0.0203056) |
| Kalimantan Timur | Other malignant neoplasms                     | 40  | 3,472.9 (2,374.6, 4,782.6) | 0.028597 (0.0195534, 0.0393821) | 1,130.9 (623.4, 1,818.8)   | 0.010718 (0.0059079, 0.0172370) |
| Kalimantan Timur | Cerebrovascular disease                       | 40  | 4,110.8 (3,008.5, 5,471.5) | 0.033850 (0.0247733, 0.0450544) | 2,924.7 (2,179.4, 3,962.1) | 0.027717 (0.0206536, 0.0375488) |
| Kalimantan Timur | Ischemic heart disease                        | 40  | 5,904.2 (4,366.0, 7,777.0) | 0.048618 (0.0359512, 0.0640396) | 2,456.8 (1,806.2, 3,383.8) | 0.023283 (0.0171173, 0.0320676) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 40  | 1,327.5 (847.2, 2,043.1)   | 0.010932 (0.0069761, 0.0168240) | 1,021.2 (663.8, 1,536.2)   | 0.009677 (0.0062909, 0.0145584) |
| Kalimantan Timur | Diabetes mellitus                             | 40  | 2,853.6 (1,991.7, 4,043.2) | 0.023498 (0.0164005, 0.0332934) | 2,735.6 (1,937.2, 3,781.6) | 0.025925 (0.0183587, 0.0358382) |
| Kalimantan Timur | Chronic kidney disease                        | 40  | 1,306.8 (794.5, 2,028.9)   | 0.010761 (0.0065421, 0.0167067) | 839.5 (541.2, 1,279.9)     | 0.007956 (0.0051292, 0.0121295) |
| Kalimantan Timur | Cirrhosis                                     | 40  | 1,984.6 (1,268.0, 2,914.7) | 0.016342 (0.0104415, 0.0240013) | 753.4 (445.7, 1,116.6)     | 0.007140 (0.0042234, 0.0105814) |
| Kalimantan Timur | Chronic respiratory diseases                  | 40  | 1,367.5 (858.9, 2,079.9)   | 0.011260 (0.0070728, 0.0171265) | 585.2 (365.7, 898.0)       | 0.005545 (0.0034656, 0.0085102) |
| Kalimantan Timur | Other non-communicable diseases               | 40  | 2,221.0 (1,577.7, 3,092.6) | 0.018288 (0.0129916, 0.0254661) | 1,590.4 (1,109.7, 2,244.0) | 0.015072 (0.0105168, 0.0212662) |
| Kalimantan Timur | Drowning                                      | 40  | 115.4 (38.2, 264.3)        | 0.000951 (0.0003146, 0.0021767) | 40.5 (14.4, 92.1)          | 0.000384 (0.0001363, 0.0008724) |
| Kalimantan Timur | Falls                                         | 40  | 378.8 (162.7, 778.8)       | 0.003119 (0.0013399, 0.0064132) | 159.2 (64.8, 335.6)        | 0.001508 (0.0006136, 0.0031801) |
| Kalimantan Timur | Interpersonal violence                        | 40  | 137.0 (59.2, 249.5)        | 0.001128 (0.0004875, 0.0020545) | 64.9 (27.8, 128.7)         | 0.000615 (0.0002630, 0.0012194) |
| Kalimantan Timur | Self-harm                                     | 40  | 93.3 (35.6, 191.3)         | 0.000768 (0.0002931, 0.0015749) | 35.3 (12.8, 72.3)          | 0.000334 (0.0001214, 0.0006855) |
| Kalimantan Timur | Transport injuries                            | 40  | 2,312.2 (1,468.0, 3,458.1) | 0.019040 (0.0120878, 0.0284758) | 666.1 (400.4, 1,049.8)     | 0.006313 (0.0037944, 0.0099485) |
| Kalimantan Timur | Other unintentional injuries                  | 40  | 628.3 (311.4, 1,104.0)     | 0.005174 (0.0025644, 0.0090912) | 203.1 (98.9, 368.5)        | 0.001925 (0.0009372, 0.0034920) |
| Kalimantan Timur | Diarrheal diseases                            | 45  | 240.2 (110.9, 419.2)       | 0.002499 (0.0011534, 0.0043610) | 264.1 (131.9, 445.1)       | 0.003219 (0.0016071, 0.0054256) |
| Kalimantan Timur | HIV/AIDS                                      | 45  | 140.8 (37.4, 368.0)        | 0.001464 (0.0003888, 0.0038286) | 103.1 (26.7, 271.6)        | 0.001256 (0.0003256, 0.0033106) |
| Kalimantan Timur | Lower respiratory infections                  | 45  | 359.9 (167.9, 671.1)       | 0.003744 (0.0017464, 0.0069813) | 267.8 (121.8, 474.6)       | 0.003264 (0.0014850, 0.0057842) |
| Kalimantan Timur | Malaria                                       | 45  | 65.3 (8.4, 224.2)          | 0.000679 (0.0000873, 0.0023321) | 36.1 (4.7, 125.0)          | 0.000440 (0.0000569, 0.0015236) |
| Kalimantan Timur | Tuberculosis                                  | 45  | 1,819.9 (1,201.7, 2,666.6) | 0.018932 (0.0125013, 0.0277398) | 896.4 (564.3, 1,346.7)     | 0.010926 (0.0068785, 0.0164138) |
| Kalimantan Timur | Maternal disorders                            | 45  |                            |                                 | 54.8 (24.0, 100.8)         | 0.000668 (0.0002922, 0.0012284) |
| Kalimantan Timur | Other communicable diseases                   | 45  | 638.3 (363.3, 1,049.5)     | 0.006640 (0.0037798, 0.0109179) | 536.4 (320.7, 842.2)       | 0.006538 (0.0039091, 0.0102653) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 45  | 591.6 (265.0, 1,130.2)     | 0.006154 (0.0027564, 0.0117572) | 216.6 (97.8, 421.4)        | 0.002640 (0.0011920, 0.0051367) |
| Kalimantan Timur | Breast cancer                                 | 45  | 47.0 (13.8, 115.1)         | 0.000489 (0.0001435, 0.0011976) | 1,572.4 (907.5, 2,316.6)   | 0.019165 (0.0110611, 0.0282362) |
| Kalimantan Timur | Cervical cancer                               | 45  |                            |                                 | 1,211.8 (628.7, 1,969.6)   | 0.014769 (0.0076624, 0.0240064) |
| Kalimantan Timur | Other malignant neoplasms                     | 45  | 3,014.9 (2,074.0, 4,212.5) | 0.031363 (0.0215755, 0.0438220) | 903.3 (491.8, 1,421.8)     | 0.011010 (0.0059944, 0.0173298) |
| Kalimantan Timur | Cerebrovascular disease                       | 45  | 4,754.9 (3,531.4, 6,297.5) | 0.049465 (0.0367361, 0.0655115) | 3,700.4 (2,837.6, 4,877.2) | 0.045102 (0.0345861, 0.0594453) |
| Kalimantan Timur | Ischemic heart disease                        | 45  | 6,011.5 (4,466.9, 8,092.6) | 0.062537 (0.0464687, 0.0841855) | 2,736.8 (2,070.4, 3,642.1) | 0.033358 (0.0252347, 0.0443916) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 45  | 1,445.8 (921.2, 2,187.0)   | 0.015040 (0.0095834, 0.0227506) | 1,148.0 (749.0, 1,717.9)   | 0.013993 (0.0091286, 0.0209385) |
| Kalimantan Timur | Diabetes mellitus                             | 45  | 3,834.9 (2,725.4, 5,291.6) | 0.039894 (0.0283518, 0.0550476) | 3,767.6 (2,779.8, 5,043.3) | 0.045921 (0.0338813, 0.0614706) |
| Kalimantan Timur | Chronic kidney disease                        | 45  | 1,208.8 (728.0, 1,886.8)   | 0.012575 (0.0075731, 0.0196279) | 789.6 (512.3, 1,216.1)     | 0.009624 (0.0062445, 0.0148229) |
| Kalimantan Timur | Cirrhosis                                     | 45  | 1,706.6 (1,096.9, 2,479.6) | 0.017754 (0.0114104, 0.0257944) | 722.4 (441.3, 1,066.1)     | 0.008805 (0.0053793, 0.0129944) |
| Kalimantan Timur | Chronic respiratory diseases                  | 45  | 1,524.4 (981.7, 2,308.4)   | 0.015858 (0.0102127, 0.0240141) | 685.0 (440.2, 1,004.5)     | 0.008349 (0.0053649, 0.0122430) |
| Kalimantan Timur | Other non-communicable diseases               | 45  | 1,860.1 (1,301.7, 2,568.9) | 0.019350 (0.0135415, 0.0267242) | 1,424.2 (1,013.0, 1,956.5) | 0.017359 (0.0123472, 0.0238470) |
| Kalimantan Timur | Drowning                                      | 45  | 61.3 (19.9, 144.8)         | 0.000638 (0.0002070, 0.0015062) | 28.9 (9.8, 69.0)           | 0.000352 (0.0001192, 0.0008407) |
| Kalimantan Timur | Falls                                         | 45  | 337.1 (144.2, 688.0)       | 0.003507 (0.0015006, 0.0071569) | 177.3 (72.8, 365.2)        | 0.002161 (0.0008876, 0.0044517) |
| Kalimantan Timur | Interpersonal violence                        | 45  | 100.7 (42.0, 185.7)        | 0.001047 (0.0004371, 0.0019314) | 48.0 (19.7, 94.9)          | 0.000585 (0.0002405, 0.0011567) |
| Kalimantan Timur | Self-harm                                     | 45  | 78.8 (30.3, 157.0)         | 0.000820 (0.0003149, 0.0016336) | 29.0 (10.6, 59.6)          | 0.000353 (0.0001286, 0.0007263) |
| Kalimantan Timur | Transport injuries                            | 45  | 1,903.7 (1,160.6, 2,861.6) | 0.019803 (0.0120737, 0.0297690) | 641.8 (377.2, 1,017.5)     | 0.007822 (0.0045977, 0.0124017) |
| Kalimantan Timur | Other unintentional injuries                  | 45  | 489.5 (233.8, 889.6)       | 0.005093 (0.0024318, 0.0092539) | 175.6 (82.9, 328.3)        | 0.002140 (0.0010109, 0.0040020) |
| Kalimantan Timur | Diarrheal diseases                            | 50  | 284.6 (136.9, 500.0)       | 0.003862 (0.0018567, 0.0067830) | 289.6 (149.6, 480.7)       | 0.004972 (0.0025683, 0.0082543) |
| Kalimantan Timur | HIV/AIDS                                      | 50  | 51.8 (12.9, 144.9)         | 0.000703 (0.0001750, 0.0019652) | 36.3 (9.0, 101.6)          | 0.000624 (0.0001545, 0.0017437) |
| Kalimantan Timur | Lower respiratory infections                  | 50  | 401.9 (190.2, 730.2)       | 0.005453 (0.0025808, 0.0099062) | 296.6 (141.8, 513.0)       | 0.005093 (0.0024345, 0.0088086) |
| Kalimantan Timur | Malaria                                       | 50  | 58.7 (7.4, 200.3)          | 0.000796 (0.0001008, 0.0027176) | 27.6 (3.4, 98.9)           | 0.000474 (0.0000583, 0.0016981) |
| Kalimantan Timur | Tuberculosis                                  | 50  | 1,745.7 (1,137.2, 2,510.0) | 0.023684 (0.0154276, 0.0340522) | 769.6 (481.5, 1,160.8)     | 0.013214 (0.0082667, 0.0199318) |
| Kalimantan Timur | Maternal disorders                            | 50  |                            |                                 | 21.6 (7.0, 56.8)           | 0.000372 (0.0001206, 0.0009758) |
| Kalimantan Timur | Other communicable diseases                   | 50  | 574.4 (320.3, 944.0)       | 0.007793 (0.0043452, 0.0128065) | 459.9 (275.5, 725.2)       | 0.007896 (0.0047306, 0.0124517) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 50  | 766.6 (354.3, 1,477.4)     | 0.010400 (0.0048071, 0.0200433) | 189.2 (82.7, 369.2)        | 0.003249 (0.0014192, 0.0063393) |
| Kalimantan Timur | Breast cancer                                 | 50  | 38.7 (13.6, 86.7)          | 0.000524 (0.0001848, 0.0011756) | 1,015.2 (572.4, 1,547.0)   | 0.017431 (0.0098282, 0.0265634) |
| Kalimantan Timur | Cervical cancer                               | 50  |                            |                                 | 924.7 (469.7, 1,479.8)     | 0.015878 (0.0080653, 0.0254083) |
| Kalimantan Timur | Other malignant neoplasms                     | 50  | 2,218.2 (1,487.3, 3,136.0) | 0.030094 (0.0201775, 0.0425448) | 694.4 (371.9, 1,108.0)     | 0.011924 (0.0063857, 0.0190241) |
| Kalimantan Timur | Cerebrovascular disease                       | 50  | 5,589.2 (4,178.7, 7,395.7) | 0.075827 (0.0566906, 0.1003351) | 4,043.4 (3,155.3, 5,259.1) | 0.069427 (0.0541769, 0.0903000) |
| Kalimantan Timur | Ischemic heart disease                        | 50  | 6,492.2 (4,854.1, 8,665.9) | 0.088077 (0.0658532, 0.1175666) | 2,638.6 (1,997.4, 3,480.2) | 0.045305 (0.0342970, 0.0597567) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 50  | 1,642.1 (1,052.9, 2,524.7) | 0.022278 (0.0142844, 0.0342520) | 1,197.9 (795.5, 1,794.3)   | 0.020569 (0.0136588, 0.0308094) |
| Kalimantan Timur | Diabetes mellitus                             | 50  | 4,446.8 (3,176.6, 6,074.6) | 0.060328 (0.0430963, 0.0824110) | 3,951.2 (2,973.9, 5,229.4) | 0.067844 (0.0510629, 0.0897904) |
| Kalimantan Timur | Chronic kidney disease                        | 50  | 1,119.4 (680.0, 1,742.8)   | 0.015187 (0.0092247, 0.0236435) | 654.3 (426.6, 967.5)       | 0.011234 (0.0073254, 0.0166129) |
| Kalimantan Timur | Cirrhosis                                     | 50  | 1,565.5 (1,003.2, 2,291.4) | 0.021239 (0.0136094, 0.0310859) | 633.6 (392.1, 952.7)       | 0.010879 (0.0067322, 0.0163577) |
| Kalimantan Timur | Chronic respiratory diseases                  | 50  | 1,656.6 (1,060.6, 2,486.0) | 0.022474 (0.0143889, 0.0337262) | 726.6 (462.3, 1,056.6)     | 0.012477 (0.0079383, 0.0181421) |
| Kalimantan Timur | Other non-communicable diseases               | 50  | 1,707.5 (1,208.0, 2,376.8) | 0.023165 (0.0163889, 0.0322448) | 1,214.7 (868.2, 1,660.6)   | 0.020857 (0.0149082, 0.0285130) |
| Kalimantan Timur | Drowning                                      | 50  | 38.3 (12.0, 91.3)          | 0.000519 (0.0001633, 0.0012381) | 18.8 (6.2, 45.4)           | 0.000323 (0.0001059, 0.0007790) |
| Kalimantan Timur | Falls                                         | 50  | 329.8 (141.6, 645.5)       | 0.004475 (0.0019210, 0.0087573) | 171.2 (72.1, 324.6)        | 0.002940 (0.0012388, 0.0055739) |
| Kalimantan Timur | Interpersonal violence                        | 50  | 69.2 (29.6, 127.7)         | 0.000939 (0.0004021, 0.0017323) | 28.0 (11.6, 55.5)          | 0.000480 (0.0001985, 0.0009538) |
| Kalimantan Timur | Self-harm                                     | 50  | 60.2 (23.3, 120.7)         | 0.000816 (0.0003156, 0.0016371) | 18.3 (6.8, 39.0)           | 0.000313 (0.0001167, 0.0006695) |
| Kalimantan Timur | Transport injuries                            | 50  | 1,303.8 (789.4, 2,010.2)   | 0.017688 (0.0107094, 0.0272717) | 412.6 (240.9, 658.2)       | 0.007084 (0.0041367, 0.0113019) |
| Kalimantan Timur | Other unintentional injuries                  | 50  | 349.5 (162.2, 616.3)       | 0.004741 (0.0022004, 0.0083616) | 113.5 (52.2, 215.6)        | 0.001949 (0.0008969, 0.0037024) |
| Kalimantan Timur | Diarrheal diseases                            | 55  | 264.8 (131.3, 456.7)       | 0.005204 (0.0025806, 0.0089757) | 243.7 (135.6, 391.4)       | 0.006885 (0.0038307, 0.0110578) |
| Kalimantan Timur | HIV/AIDS                                      | 55  | 18.4 (3.7, 53.9)           | 0.000361 (0.0000732, 0.0010589) | 11.4 (2.4, 33.9)           | 0.000322 (0.0000680, 0.0009568) |
| Kalimantan Timur | Lower respiratory infections                  | 55  | 356.8 (175.8, 626.2)       | 0.007011 (0.0034551, 0.0123054) | 241.2 (121.6, 406.5)       | 0.006814 (0.0034341, 0.0114836) |
| Kalimantan Timur | Malaria                                       | 55  | 47.7 (6.1, 165.9)          | 0.000938 (0.0001202, 0.0032604) | 19.0 (2.2, 66.6)           | 0.000536 (0.0000628, 0.0018813) |
| Kalimantan Timur | Tuberculosis                                  | 55  | 1,263.5 (807.2, 1,839.9)   | 0.024829 (0.0158625, 0.0361570) | 476.5 (283.9, 732.5)       | 0.013461 (0.0080210, 0.0206951) |
| Kalimantan Timur | Other communicable diseases                   | 55  | 474.9 (264.0, 779.0)       | 0.009332 (0.0051882, 0.0153075) | 350.8 (211.0, 549.3)       | 0.009910 (0.0059614, 0.0155179) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 55  | 562.7 (269.5, 1,048.0)     | 0.011058 (0.0052967, 0.0205943) | 119.0 (51.9, 243.0)        | 0.003362 (0.0014652, 0.0068653) |
| Kalimantan Timur | Breast cancer                                 | 55  | 30.6 (11.4, 66.1)          | 0.000602 (0.0002238, 0.0012988) | 562.1 (303.6, 882.0)       | 0.015880 (0.0085777, 0.0249165) |
| Kalimantan Timur | Cervical cancer                               | 55  |                            |                                 | 540.9 (278.4, 896.1)       | 0.015281 (0.0078665, 0.0253161) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Timur | Other malignant neoplasms                     | 55  | 1,477.1 (981.7, 2,132.5)   | 0.029028 (0.0192909, 0.0419075) | 460.8 (244.2, 735.9)       | 0.013017 (0.0068991, 0.0207914) |
| Kalimantan Timur | Cerebrovascular disease                       | 55  | 5,546.3 (4,181.7, 7,166.6) | 0.108992 (0.0821764, 0.1408329) | 3,663.2 (2,883.4, 4,687.5) | 0.103491 (0.0814594, 0.1324299) |
| Kalimantan Timur | Ischemic heart disease                        | 55  | 6,020.6 (4,573.8, 7,955.9) | 0.118314 (0.0898805, 0.1563454) | 2,238.3 (1,698.4, 2,957.6) | 0.063237 (0.0479830, 0.0835571) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 55  | 1,571.1 (990.6, 2,427.1)   | 0.030874 (0.0194665, 0.0476952) | 1,020.8 (677.6, 1,505.4)   | 0.028840 (0.0191443, 0.0425287) |
| Kalimantan Timur | Diabetes mellitus                             | 55  | 3,973.4 (2,847.6, 5,418.4) | 0.078083 (0.0559601, 0.1064790) | 3,177.5 (2,387.6, 4,209.2) | 0.089769 (0.0674537, 0.1189163) |
| Kalimantan Timur | Chronic kidney disease                        | 55  | 902.8 (547.1, 1,416.7)     | 0.017742 (0.0107513, 0.0278404) | 467.8 (303.7, 700.4)       | 0.013215 (0.0085796, 0.0197866) |
| Kalimantan Timur | Cirrhosis                                     | 55  | 1,214.1 (793.0, 1,794.0)   | 0.023858 (0.0155829, 0.0352554) | 456.3 (278.1, 671.8)       | 0.012891 (0.0078565, 0.0189793) |
| Kalimantan Timur | Chronic respiratory diseases                  | 55  | 1,527.6 (1,013.8, 2,243.5) | 0.030020 (0.0199218, 0.0440878) | 586.3 (385.1, 851.1)       | 0.016564 (0.0108798, 0.0240462) |
| Kalimantan Timur | Other non-communicable diseases               | 55  | 1,503.8 (1,049.0, 2,091.1) | 0.029551 (0.0206137, 0.0410933) | 968.6 (703.5, 1,326.8)     | 0.027363 (0.0198737, 0.0374850) |
| Kalimantan Timur | Drowning                                      | 55  | 25.6 (7.5, 66.3)           | 0.000502 (0.0001479, 0.0013034) | 12.2 (3.6, 28.4)           | 0.000344 (0.0001010, 0.0008026) |
| Kalimantan Timur | Falls                                         | 55  | 313.2 (135.9, 611.4)       | 0.006155 (0.0026697, 0.0120157) | 151.2 (70.8, 273.7)        | 0.004271 (0.0019997, 0.0077319) |
| Kalimantan Timur | Interpersonal violence                        | 55  | 44.0 (18.1, 82.9)          | 0.000866 (0.0003564, 0.0016286) | 14.9 (5.9, 29.5)           | 0.000420 (0.0001679, 0.0008325) |
| Kalimantan Timur | Self-harm                                     | 55  | 43.3 (17.3, 86.0)          | 0.000850 (0.0003394, 0.0016891) | 10.7 (3.8, 23.2)           | 0.000304 (0.0001081, 0.0006564) |
| Kalimantan Timur | Transport injuries                            | 55  | 758.3 (444.6, 1,206.8)     | 0.014901 (0.0087368, 0.0237146) | 215.8 (116.0, 358.1)       | 0.006095 (0.0032760, 0.0101164) |
| Kalimantan Timur | Other unintentional injuries                  | 55  | 241.7 (113.6, 442.8)       | 0.004749 (0.0022317, 0.0087016) | 68.7 (30.7, 129.3)         | 0.001941 (0.0008679, 0.0036522) |
| Kalimantan Timur | Diarrheal diseases                            | 60  | 237.9 (115.5, 407.3)       | 0.008233 (0.0039986, 0.0140993) | 235.5 (131.1, 373.4)       | 0.009808 (0.0054586, 0.0155545) |
| Kalimantan Timur | HIV/AIDS                                      | 60  | 9.6 (2.0, 30.1)            | 0.000333 (0.0000690, 0.0010404) | 6.7 (1.2, 21.0)            | 0.000278 (0.0000512, 0.0008735) |
| Kalimantan Timur | Lower respiratory infections                  | 60  | 375.9 (187.3, 657.9)       | 0.013012 (0.0064844, 0.0227725) | 291.7 (154.0, 484.8)       | 0.012150 (0.0064135, 0.0201934) |
| Kalimantan Timur | Malaria                                       | 60  | 36.9 (4.8, 128.0)          | 0.001277 (0.0001666, 0.0044323) | 15.7 (1.9, 54.5)           | 0.000652 (0.0000808, 0.0022686) |
| Kalimantan Timur | Tuberculosis                                  | 60  | 1,055.1 (681.7, 1,538.9)   | 0.036520 (0.0235969, 0.0532672) | 458.2 (272.0, 692.4)       | 0.019086 (0.0113277, 0.0288387) |
| Kalimantan Timur | Other communicable diseases                   | 60  | 313.7 (165.1, 514.2)       | 0.010860 (0.0057163, 0.0177972) | 250.1 (143.8, 399.9)       | 0.010417 (0.0059888, 0.0166566) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 60  | 439.3 (208.8, 841.5)       | 0.015206 (0.0072258, 0.0291270) | 89.1 (38.5, 183.4)         | 0.003710 (0.0016036, 0.0076393) |
| Kalimantan Timur | Breast cancer                                 | 60  | 20.6 (7.4, 45.8)           | 0.000713 (0.0002568, 0.0015847) | 322.6 (167.2, 525.8)       | 0.013438 (0.0069638, 0.0218995) |
| Kalimantan Timur | Cervical cancer                               | 60  |                            |                                 | 394.6 (203.1, 645.5)       | 0.016435 (0.0084611, 0.0268839) |
| Kalimantan Timur | Other malignant neoplasms                     | 60  | 1,011.1 (667.9, 1,437.6)   | 0.034998 (0.0231200, 0.0497606) | 372.4 (201.9, 602.9)       | 0.015511 (0.0084114, 0.0251114) |
| Kalimantan Timur | Cerebrovascular disease                       | 60  | 4,677.2 (3,544.0, 5,974.4) | 0.161900 (0.1226731, 0.2067989) | 3,489.6 (2,819.8, 4,409.1) | 0.145345 (0.1174471, 0.1836441) |
| Kalimantan Timur | Ischemic heart disease                        | 60  | 4,445.4 (3,363.6, 5,785.3) | 0.153875 (0.1164293, 0.2002542) | 1,966.9 (1,517.3, 2,562.2) | 0.081925 (0.0631989, 0.1067206) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 60  | 1,309.2 (850.5, 1,972.7)   | 0.045316 (0.0294411, 0.0682839) | 930.0 (624.6, 1,359.5)     | 0.038736 (0.0260141, 0.0566233) |
| Kalimantan Timur | Diabetes mellitus                             | 60  | 2,672.5 (1,924.9, 3,660.1) | 0.092508 (0.0666292, 0.1266922) | 2,450.3 (1,839.6, 3,212.6) | 0.102059 (0.0766196, 0.1338076) |
| Kalimantan Timur | Chronic kidney disease                        | 60  | 609.6 (374.2, 944.8)       | 0.021100 (0.0129521, 0.0327038) | 357.4 (227.5, 551.7)       | 0.014885 (0.0094738, 0.0229770) |
| Kalimantan Timur | Cirrhosis                                     | 60  | 809.2 (526.1, 1,208.5)     | 0.028009 (0.0182099, 0.0418303) | 346.3 (213.6, 515.0)       | 0.014425 (0.0088975, 0.0214496) |
| Kalimantan Timur | Chronic respiratory diseases                  | 60  | 1,601.8 (1,099.4, 2,287.2) | 0.055446 (0.0380550, 0.0791690) | 672.5 (449.2, 935.1)       | 0.028011 (0.0187110, 0.0389469) |
| Kalimantan Timur | Other non-communicable diseases               | 60  | 1,291.2 (912.9, 1,741.4)   | 0.044696 (0.0315998, 0.0602783) | 926.8 (678.5, 1,256.3)     | 0.038603 (0.0282596, 0.0523259) |
| Kalimantan Timur | Drowning                                      | 60  | 16.1 (4.8, 42.1)           | 0.000556 (0.0001674, 0.0014577) | 8.7 (2.3, 22.1)            | 0.000363 (0.0000970, 0.0009219) |
| Kalimantan Timur | Falls                                         | 60  | 211.3 (97.2, 392.8)        | 0.007313 (0.0033638, 0.0135953) | 114.1 (55.1, 207.6)        | 0.004752 (0.0022956, 0.0086488) |
| Kalimantan Timur | Interpersonal violence                        | 60  | 21.3 (8.4, 42.3)           | 0.000738 (0.0002899, 0.0014634) | 8.0 (2.9, 17.7)            | 0.000333 (0.0001195, 0.0007352) |
| Kalimantan Timur | Self-harm                                     | 60  | 23.3 (9.2, 47.8)           | 0.000808 (0.0003201, 0.0016557) | 6.4 (2.1, 14.0)            | 0.000265 (0.0000893, 0.0005830) |
| Kalimantan Timur | Transport injuries                            | 60  | 492.0 (281.6, 778.5)       | 0.017029 (0.0097491, 0.0269485) | 155.7 (82.9, 246.5)        | 0.006487 (0.0034525, 0.0102655) |
| Kalimantan Timur | Other unintentional injuries                  | 60  | 145.7 (65.5, 252.0)        | 0.005044 (0.0022668, 0.0087244) | 46.0 (19.6, 86.7)          | 0.001914 (0.0008149, 0.0036128) |
| Kalimantan Timur | Diarrheal diseases                            | 65  | 285.2 (156.0, 454.1)       | 0.016166 (0.0088436, 0.0257397) | 299.3 (178.8, 461.1)       | 0.018791 (0.0112228, 0.0289465) |
| Kalimantan Timur | HIV/AIDS                                      | 65  | 6.4 (1.4, 19.4)            | 0.000363 (0.0000815, 0.0010972) | 4.8 (1.1, 14.6)            | 0.000303 (0.0000691, 0.0009152) |
| Kalimantan Timur | Lower respiratory infections                  | 65  | 317.4 (163.4, 547.0)       | 0.017990 (0.0092627, 0.0310062) | 267.3 (144.8, 436.8)       | 0.016779 (0.0090921, 0.0274235) |
| Kalimantan Timur | Malaria                                       | 65  | 26.4 (3.3, 91.1)           | 0.001495 (0.0001861, 0.0051648) | 11.9 (1.4, 41.2)           | 0.000746 (0.0000851, 0.0025892) |
| Kalimantan Timur | Tuberculosis                                  | 65  | 755.3 (485.1, 1,088.9)     | 0.042810 (0.0274978, 0.0617167) | 358.7 (215.1, 552.1)       | 0.022520 (0.0135035, 0.0346596) |
| Kalimantan Timur | Other communicable diseases                   | 65  | 225.1 (120.0, 382.0)       | 0.012760 (0.0067987, 0.0216498) | 190.1 (107.7, 302.1)       | 0.011936 (0.0067631, 0.0189667) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 65  | 285.8 (131.0, 539.7)       | 0.016201 (0.0074229, 0.0305885) | 55.7 (23.4, 117.2)         | 0.003495 (0.0014705, 0.0073599) |
| Kalimantan Timur | Breast cancer                                 | 65  | 11.2 (3.6, 27.3)           | 0.000634 (0.0002041, 0.0015485) | 189.3 (96.4, 308.1)        | 0.011883 (0.0060509, 0.0193428) |
| Kalimantan Timur | Cervical cancer                               | 65  |                            |                                 | 233.1 (112.0, 397.3)       | 0.014636 (0.0070325, 0.0249443) |
| Kalimantan Timur | Other malignant neoplasms                     | 65  | 570.2 (381.5, 809.9)       | 0.032317 (0.0216210, 0.0459066) | 298.1 (166.3, 463.3)       | 0.018717 (0.0104381, 0.0290870) |
| Kalimantan Timur | Cerebrovascular disease                       | 65  | 3,615.8 (2,767.8, 4,554.9) | 0.204941 (0.1568748, 0.2581680) | 3,066.4 (2,515.0, 3,838.6) | 0.192504 (0.1578867, 0.2409796) |
| Kalimantan Timur | Ischemic heart disease                        | 65  | 3,156.2 (2,385.2, 4,066.2) | 0.178892 (0.1351928, 0.2304667) | 1,586.2 (1,219.1, 2,038.4) | 0.099578 (0.0765299, 0.1279705) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 65  | 1,054.0 (688.7, 1,544.0)   | 0.059739 (0.0390350, 0.0875110) | 855.6 (564.8, 1,231.9)     | 0.053715 (0.0354567, 0.0773385) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
|                  |                                               |     |               |                    |                          |                        |               |                    |                          |                        |
| Kalimantan Timur | Diabetes mellitus                             | 65  | 1,571.4       | (1,121.6, 2,145.1) | 0.089064                 | (0.0635719, 0.1215812) | 1,686.5       | (1,260.6, 2,197.2) | 0.105876                 | (0.0791376, 0.1379355) |
| Kalimantan Timur | Chronic kidney disease                        | 65  | 407.8         | (250.9, 631.0)     | 0.023114                 | (0.0142209, 0.0357629) | 276.6         | (178.4, 424.8)     | 0.017362                 | (0.0111998, 0.0266672) |
| Kalimantan Timur | Cirrhosis                                     | 65  | 471.7         | (304.9, 702.1)     | 0.026735                 | (0.0172839, 0.0397920) | 231.8         | (143.4, 346.3)     | 0.014551                 | (0.0090006, 0.0217412) |
| Kalimantan Timur | Chronic respiratory diseases                  | 65  | 1,281.5       | (895.8, 1,775.1)   | 0.072633                 | (0.0507726, 0.1006119) | 620.1         | (419.9, 855.8)     | 0.038927                 | (0.0263632, 0.0537235) |
| Kalimantan Timur | Other non-communicable diseases               | 65  | 1,068.8       | (755.2, 1,420.8)   | 0.060578                 | (0.0428015, 0.0805303) | 873.9         | (643.1, 1,170.0)   | 0.054862                 | (0.0403742, 0.0734521) |
| Kalimantan Timur | Drowning                                      | 65  | 9.9           | (2.8, 25.9)        | 0.000562                 | (0.0001567, 0.0014660) | 5.9           | (1.6, 14.6)        | 0.000367                 | (0.0000998, 0.0009150) |
| Kalimantan Timur | Falls                                         | 65  | 163.3         | (77.1, 298.5)      | 0.009258                 | (0.0043704, 0.0169185) | 96.3          | (45.2, 170.9)      | 0.006047                 | (0.0028384, 0.0107258) |
| Kalimantan Timur | Interpersonal violence                        | 65  | 11.2          | (4.4, 24.4)        | 0.000637                 | (0.0002520, 0.0013858) | 4.7           | (1.6, 10.6)        | 0.000292                 | (0.0000988, 0.0006638) |
| Kalimantan Timur | Self-harm                                     | 65  | 13.9          | (5.3, 27.7)        | 0.000786                 | (0.0003025, 0.0015707) | 4.2           | (1.4, 9.4)         | 0.000263                 | (0.0000901, 0.0005881) |
| Kalimantan Timur | Transport injuries                            | 65  | 296.0         | (171.2, 472.4)     | 0.016780                 | (0.0097024, 0.0267731) | 102.5         | (52.5, 166.3)      | 0.006438                 | (0.0032986, 0.0104386) |
| Kalimantan Timur | Other unintentional injuries                  | 65  | 93.6          | (42.9, 165.7)      | 0.005307                 | (0.0024307, 0.0093927) | 32.5          | (13.6, 60.0)       | 0.002039                 | (0.0008562, 0.0037679) |
| Kalimantan Timur | Diarrheal diseases                            | 70  | 298.0         | (177.3, 456.4)     | 0.029016                 | (0.0172638, 0.0444417) | 341.1         | (214.4, 506.7)     | 0.032600                 | (0.0204839, 0.0484218) |
| Kalimantan Timur | HIV/AIDS                                      | 70  | 6.0           | (1.4, 17.9)        | 0.000587                 | (0.0001327, 0.0017445) | 4.9           | (1.0, 15.0)        | 0.000472                 | (0.0000952, 0.0014347) |
| Kalimantan Timur | Lower respiratory infections                  | 70  | 299.4         | (159.6, 506.9)     | 0.029149                 | (0.0155417, 0.0493561) | 288.5         | (161.5, 457.1)     | 0.027571                 | (0.0154368, 0.0436847) |
| Kalimantan Timur | Malaria                                       | 70  | 17.0          | (2.0, 61.2)        | 0.001653                 | (0.0001982, 0.0059579) | 7.8           | (0.9, 27.4)        | 0.000750                 | (0.0000849, 0.0026165) |
| Kalimantan Timur | Tuberculosis                                  | 70  | 535.7         | (332.7, 783.4)     | 0.052160                 | (0.0323968, 0.0762779) | 277.7         | (159.9, 431.6)     | 0.026539                 | (0.0152759, 0.0412461) |
| Kalimantan Timur | Other communicable diseases                   | 70  | 178.2         | (95.7, 297.3)      | 0.017349                 | (0.0093186, 0.0289480) | 167.3         | (94.4, 267.2)      | 0.015984                 | (0.0090218, 0.0255309) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 70  | 165.1         | (70.4, 333.4)      | 0.016070                 | (0.0068561, 0.0324603) | 38.0          | (14.6, 84.9)       | 0.003635                 | (0.0013913, 0.0081152) |
| Kalimantan Timur | Breast cancer                                 | 70  | 5.6           | (1.7, 14.7)        | 0.000544                 | (0.0001608, 0.0014292) | 90.7          | (43.8, 154.7)      | 0.008668                 | (0.0041822, 0.0147873) |
| Kalimantan Timur | Cervical cancer                               | 70  |               |                    |                          |                        | 124.4         | (56.7, 213.5)      | 0.011887                 | (0.0054141, 0.0203991) |
| Kalimantan Timur | Other malignant neoplasms                     | 70  | 315.6         | (213.4, 447.8)     | 0.030726                 | (0.0207756, 0.0436019) | 197.9         | (114.4, 309.0)     | 0.018909                 | (0.0109364, 0.0295279) |
| Kalimantan Timur | Cerebrovascular disease                       | 70  | 2,737.2       | (2,128.9, 3,404.9) | 0.266512                 | (0.2072792, 0.3315200) | 2,746.8       | (2,277.2, 3,416.0) | 0.262493                 | (0.2176101, 0.3264438) |
| Kalimantan Timur | Ischemic heart disease                        | 70  | 2,202.4       | (1,680.1, 2,810.6) | 0.214442                 | (0.1635817, 0.2736546) | 1,357.9       | (1,053.4, 1,757.0) | 0.129767                 | (0.1006652, 0.1679049) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 70  | 840.6         | (563.6, 1,211.1)   | 0.081850                 | (0.0548796, 0.1179180) | 770.2         | (509.6, 1,127.6)   | 0.073603                 | (0.0487012, 0.1077579) |
| Kalimantan Timur | Diabetes mellitus                             | 70  | 855.5         | (603.7, 1,180.6)   | 0.083295                 | (0.0587800, 0.1149509) | 1,084.7       | (792.6, 1,440.6)   | 0.103659                 | (0.0757464, 0.1376707) |
| Kalimantan Timur | Chronic kidney disease                        | 70  | 253.4         | (154.4, 392.6)     | 0.024673                 | (0.0150286, 0.0382272) | 197.2         | (126.6, 306.0)     | 0.018846                 | (0.0120989, 0.0292447) |
| Kalimantan Timur | Cirrhosis                                     | 70  | 295.0         | (189.9, 426.8)     | 0.028719                 | (0.0184945, 0.0415591) | 173.4         | (104.5, 262.1)     | 0.016569                 | (0.0099867, 0.0250439) |
| Kalimantan Timur | Chronic respiratory diseases                  | 70  | 1,146.9       | (816.2, 1,565.3)   | 0.111667                 | (0.0794698, 0.1524117) | 603.9         | (402.3, 833.7)     | 0.057708                 | (0.0384435, 0.0796694) |
| Kalimantan Timur | Other non-communicable diseases               | 70  | 868.4         | (627.9, 1,149.6)   | 0.084554                 | (0.0611344, 0.1119359) | 822.4         | (617.2, 1,102.6)   | 0.078588                 | (0.0589775, 0.1053626) |
| Kalimantan Timur | Drowning                                      | 70  | 12.7          | (3.8, 30.3)        | 0.001232                 | (0.0003670, 0.0029486) | 9.2           | (2.9, 22.3)        | 0.000876                 | (0.0002748, 0.0021313) |
| Kalimantan Timur | Falls                                         | 70  | 132.6         | (63.0, 237.5)      | 0.012908                 | (0.0061364, 0.0231200) | 93.1          | (44.5, 157.8)      | 0.008893                 | (0.0042535, 0.0150844) |
| Kalimantan Timur | Interpersonal violence                        | 70  | 5.4           | (1.8, 12.0)        | 0.000525                 | (0.0001792, 0.0011703) | 2.4           | (0.7, 6.1)         | 0.000234                 | (0.0000672, 0.0005788) |
| Kalimantan Timur | Self-harm                                     | 70  | 7.8           | (3.1, 16.2)        | 0.000756                 | (0.0002995, 0.0015800) | 2.5           | (0.8, 5.8)         | 0.000239                 | (0.0000740, 0.0005504) |
| Kalimantan Timur | Transport injuries                            | 70  | 201.9         | (108.3, 324.1)     | 0.019657                 | (0.0105496, 0.0315571) | 81.1          | (40.0, 139.5)      | 0.007752                 | (0.0038228, 0.0133268) |
| Kalimantan Timur | Other unintentional injuries                  | 70  | 63.9          | (29.7, 117.6)      | 0.006226                 | (0.0028953, 0.0114538) | 25.1          | (10.1, 48.7)       | 0.002400                 | (0.0009647, 0.0046542) |
| Kalimantan Timur | Diarrheal diseases                            | 75  | 201.8         | (119.0, 301.2)     | 0.038145                 | (0.0224924, 0.0569276) | 237.5         | (150.2, 335.8)     | 0.044027                 | (0.0278317, 0.0622448) |
| Kalimantan Timur | HIV/AIDS                                      | 75  | 2.6           | (0.6, 7.4)         | 0.000491                 | (0.0001067, 0.0014036) | 2.2           | (0.5, 6.9)         | 0.000415                 | (0.0000859, 0.0012715) |
| Kalimantan Timur | Lower respiratory infections                  | 75  | 176.3         | (95.8, 291.7)      | 0.033322                 | (0.0181088, 0.0551329) | 172.1         | (98.7, 264.6)      | 0.031900                 | (0.0182968, 0.0490416) |
| Kalimantan Timur | Malaria                                       | 75  | 9.8           | (1.2, 36.2)        | 0.001850                 | (0.0002287, 0.0068500) | 5.0           | (0.6, 18.6)        | 0.000927                 | (0.0001054, 0.0034489) |
| Kalimantan Timur | Tuberculosis                                  | 75  | 255.1         | (152.1, 379.5)     | 0.048214                 | (0.0287496, 0.0717141) | 144.5         | (81.9, 224.4)      | 0.026785                 | (0.0151799, 0.0415938) |
| Kalimantan Timur | Other communicable diseases                   | 75  | 97.3          | (50.5, 162.8)      | 0.018395                 | (0.0095517, 0.0307725) | 92.0          | (50.6, 149.0)      | 0.017058                 | (0.0093818, 0.0276183) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer           | 75  | 73.5          | (30.1, 147.8)      | 0.013883                 | (0.0056928, 0.0279237) | 17.7          | (6.7, 40.9)        | 0.003289                 | (0.0012478, 0.0075790) |
| Kalimantan Timur | Breast cancer                                 | 75  | 2.0           | (0.5, 5.5)         | 0.000379                 | (0.0001025, 0.0010308) | 40.7          | (19.7, 70.5)       | 0.007537                 | (0.0036532, 0.0130638) |
| Kalimantan Timur | Cervical cancer                               | 75  |               |                    |                          |                        | 46.9          | (19.2, 85.4)       | 0.008687                 | (0.0035561, 0.0158350) |
| Kalimantan Timur | Other malignant neoplasms                     | 75  | 135.6         | (89.9, 196.8)      | 0.025627                 | (0.0169870, 0.0371948) | 114.0         | (66.0, 176.5)      | 0.021132                 | (0.0122400, 0.0327108) |
| Kalimantan Timur | Cerebrovascular disease                       | 75  | 1,559.6       | (1,213.9, 1,946.3) | 0.294752                 | (0.2294212, 0.3678364) | 1,704.1       | (1,426.5, 2,087.8) | 0.315846                 | (0.2644073, 0.3869755) |
| Kalimantan Timur | Ischemic heart disease                        | 75  | 1,352.5       | (1,030.5, 1,737.3) | 0.255616                 | (0.1947585, 0.3283278) | 929.1         | (731.6, 1,175.2)   | 0.172205                 | (0.1356073, 0.2178293) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases | 75  | 489.9         | (322.7, 709.5)     | 0.092581                 | (0.0609917, 0.1340809) | 500.4         | (336.5, 710.9)     | 0.092742                 | (0.0623614, 0.1317656) |
| Kalimantan Timur | Diabetes mellitus                             | 75  | 409.8         | (283.9, 572.1)     | 0.077457                 | (0.0536561, 0.1081290) | 583.1         | (427.7, 772.2)     | 0.108074                 | (0.0792773, 0.1431202) |
| Kalimantan Timur | Chronic kidney disease                        | 75  | 128.7         | (79.1, 201.0)      | 0.024316                 | (0.0149404, 0.0379803) | 113.5         | (73.3, 174.7)      | 0.021031                 | (0.0135782, 0.0323766) |
| Kalimantan Timur | Cirrhosis                                     | 75  | 147.4         | (94.0, 213.6)      | 0.027854                 | (0.0177728, 0.0403656) | 92.7          | (58.0, 136.1)      | 0.017191                 | (0.0107432, 0.0252293) |
| Kalimantan Timur | Chronic respiratory diseases                  | 75  | 636.5         | (453.5, 862.0)     | 0.120285                 | (0.0857069, 0.1629118) | 370.3         | (255.4, 496.2)     | 0.068636                 | (0.0473383, 0.0919727) |



Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|------------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Kalimantan Timur | Other non-communicable diseases                          | 75  | 566.6 (407.5, 744.0)          | 0.107073 (0.0770120, 0.1406088) | 589.7 (448.1, 764.5)          | 0.109294 (0.0830516, 0.1417003) |
| Kalimantan Timur | Drowning                                                 | 75  | 10.4 (3.2, 25.7)              | 0.001961 (0.0006133, 0.0048609) | 6.8 (2.0, 16.7)               | 0.001261 (0.0003782, 0.0030955) |
| Kalimantan Timur | Falls                                                    | 75  | 91.1 (46.6, 156.6)            | 0.017225 (0.0088126, 0.0296047) | 61.2 (33.3, 100.3)            | 0.011349 (0.0061661, 0.0185894) |
| Kalimantan Timur | Interpersonal violence                                   | 75  | 2.3 (0.6, 6.1)                | 0.000443 (0.0001176, 0.0011587) | 1.1 (0.3, 3.2)                | 0.000211 (0.0000523, 0.0005916) |
| Kalimantan Timur | Self-harm                                                | 75  | 4.1 (1.5, 8.5)                | 0.000771 (0.0002813, 0.0015982) | 1.5 (0.5, 3.3)                | 0.000270 (0.0000893, 0.0006117) |
| Kalimantan Timur | Transport injuries                                       | 75  | 86.5 (43.5, 146.2)            | 0.016351 (0.0082117, 0.0276220) | 34.3 (16.3, 59.5)             | 0.006358 (0.0030146, 0.0110341) |
| Kalimantan Timur | Other unintentional injuries                             | 75  | 34.9 (14.8, 66.1)             | 0.006603 (0.0027969, 0.0124969) | 14.1 (5.8, 27.9)              | 0.002605 (0.0010685, 0.0051735) |
| Kalimantan Timur | Diarrheal diseases                                       | 80  | 343.7 (227.1, 476.8)          | 0.090926 (0.0600824, 0.1261382) | 485.4 (331.3, 660.0)          | 0.102941 (0.0702600, 0.1399763) |
| Kalimantan Timur | HIV/AIDS                                                 | 80  | 2.5 (0.4, 8.2)                | 0.000675 (0.0001176, 0.0021580) | 3.0 (0.5, 9.7)                | 0.000631 (0.0001083, 0.0020598) |
| Kalimantan Timur | Lower respiratory infections                             | 80  | 206.5 (114.4, 326.3)          | 0.054624 (0.0302643, 0.0863266) | 257.6 (148.3, 386.2)          | 0.054628 (0.0314468, 0.0819128) |
| Kalimantan Timur | Malaria                                                  | 80  | 9.9 (1.2, 38.3)               | 0.002612 (0.0003063, 0.0101246) | 7.2 (0.8, 28.5)               | 0.001529 (0.0001648, 0.0060485) |
| Kalimantan Timur | Tuberculosis                                             | 80  | 213.2 (123.4, 324.3)          | 0.056390 (0.0326352, 0.0857951) | 189.1 (104.2, 298.0)          | 0.040109 (0.0220955, 0.0632117) |
| Kalimantan Timur | Other communicable diseases                              | 80  | 115.4 (62.6, 193.0)           | 0.030527 (0.0165596, 0.0510642) | 124.4 (68.8, 203.1)           | 0.026381 (0.0145998, 0.0430759) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer                      | 80  | 50.7 (20.0, 108.2)            | 0.013423 (0.0053030, 0.0286337) | 19.5 (7.4, 43.6)              | 0.004142 (0.0015623, 0.0092470) |
| Kalimantan Timur | Breast cancer                                            | 80  | 1.3 (0.3, 3.9)                | 0.000348 (0.0000815, 0.0010373) | 38.1 (16.7, 71.2)             | 0.008075 (0.0035365, 0.0150902) |
| Kalimantan Timur | Cervical cancer                                          | 80  |                               |                                 | 34.6 (12.6, 66.7)             | 0.007332 (0.0026625, 0.0141368) |
| Kalimantan Timur | Other malignant neoplasms                                | 80  | 104.7 (68.8, 149.1)           | 0.027701 (0.0182142, 0.0394542) | 125.7 (75.5, 189.4)           | 0.026667 (0.0160148, 0.0401613) |
| Kalimantan Timur | Cerebrovascular disease                                  | 80  | 1,530.2 (1,244.8, 1,851.9)    | 0.404808 (0.3293025, 0.4899252) | 2,266.2 (1,945.7, 2,667.8)    | 0.480642 (0.4126542, 0.5658079) |
| Kalimantan Timur | Ischemic heart disease                                   | 80  | 1,169.0 (912.9, 1,462.9)      | 0.309267 (0.2415081, 0.3870173) | 1,228.7 (982.6, 1,514.2)      | 0.260598 (0.2083977, 0.3211452) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | 80  | 441.4 (300.3, 624.3)          | 0.116768 (0.0794566, 0.1651644) | 622.3 (421.9, 872.1)          | 0.131982 (0.0894725, 0.1849591) |
| Kalimantan Timur | Diabetes mellitus                                        | 80  | 308.0 (220.5, 417.5)          | 0.081492 (0.0583308, 0.1104532) | 635.5 (467.3, 826.2)          | 0.134785 (0.0991086, 0.1752211) |
| Kalimantan Timur | Chronic kidney disease                                   | 80  | 97.3 (58.5, 153.5)            | 0.025751 (0.0154888, 0.0406102) | 128.7 (82.1, 204.0)           | 0.027299 (0.0174090, 0.0432733) |
| Kalimantan Timur | Cirrhosis                                                | 80  | 122.7 (79.0, 175.3)           | 0.032457 (0.0209107, 0.0463789) | 101.1 (64.1, 146.0)           | 0.021438 (0.0135875, 0.0309717) |
| Kalimantan Timur | Chronic respiratory diseases                             | 80  | 602.8 (445.1, 796.0)          | 0.159483 (0.1177601, 0.2105934) | 484.3 (346.9, 646.4)          | 0.102712 (0.0735801, 0.1370885) |
| Kalimantan Timur | Other non-communicable diseases                          | 80  | 608.6 (453.9, 776.0)          | 0.161006 (0.1200789, 0.2053002) | 863.8 (671.4, 1,101.6)        | 0.183197 (0.1423926, 0.2336388) |
| Kalimantan Timur | Drowning                                                 | 80  | 10.6 (2.8, 27.3)              | 0.002812 (0.0007472, 0.0072150) | 7.1 (1.9, 17.5)               | 0.001496 (0.0003987, 0.0037111) |
| Kalimantan Timur | Falls                                                    | 80  | 117.4 (64.3, 186.8)           | 0.031050 (0.0170225, 0.0494076) | 88.2 (50.9, 140.5)            | 0.018716 (0.0107867, 0.0297994) |
| Kalimantan Timur | Interpersonal violence                                   | 80  | 1.5 (0.3, 4.6)                | 0.000402 (0.0000700, 0.0012280) | 1.1 (0.2, 3.6)                | 0.000235 (0.0000431, 0.0007557) |
| Kalimantan Timur | Self-harm                                                | 80  | 3.1 (1.1, 6.9)                | 0.000814 (0.0002807, 0.0018327) | 1.8 (0.6, 4.1)                | 0.000372 (0.0001167, 0.0008755) |
| Kalimantan Timur | Transport injuries                                       | 80  | 70.8 (32.5, 128.0)            | 0.018728 (0.0086028, 0.0338608) | 34.1 (13.9, 62.8)             | 0.007224 (0.0029566, 0.0133123) |
| Kalimantan Timur | Other unintentional injuries                             | 80  | 29.7 (11.6, 61.0)             | 0.007849 (0.0030568, 0.0161488) | 15.7 (5.8, 32.0)              | 0.003340 (0.0012390, 0.0067898) |
| Kalimantan Timur | Diarrheal diseases                                       | All | 5,588.4 (3,101.2, 8,555.3)    | 0.003301 (0.0018317, 0.0050532) | 5,323.6 (3,147.7, 7,840.7)    | 0.003457 (0.0020439, 0.0050912) |
| Kalimantan Timur | HIV/AIDS                                                 | All | 3,901.8 (1,293.0, 8,796.8)    | 0.002305 (0.0007637, 0.0051958) | 1,860.9 (583.4, 4,266.0)      | 0.001208 (0.0003788, 0.0027701) |
| Kalimantan Timur | Lower respiratory infections                             | All | 9,953.0 (6,062.9, 15,012.5)   | 0.005879 (0.0035810, 0.0088672) | 6,349.5 (3,824.1, 9,522.6)    | 0.004123 (0.0024831, 0.0061833) |
| Kalimantan Timur | Malaria                                                  | All | 1,001.2 (144.7, 3,291.3)      | 0.000591 (0.0000855, 0.0019440) | 449.4 (61.0, 1,421.2)         | 0.000292 (0.0000396, 0.0009228) |
| Kalimantan Timur | Tuberculosis                                             | All | 20,711.3 (13,728.3, 29,716.1) | 0.012233 (0.0081086, 0.0175519) | 8,286.5 (5,098.2, 12,542.0)   | 0.005381 (0.0033104, 0.0081439) |
| Kalimantan Timur | Maternal disorders                                       | All |                               |                                 | 4,512.0 (3,110.1, 6,156.7)    | 0.002930 (0.0020195, 0.0039977) |
| Kalimantan Timur | Neonatal encephalopathy due to birth asphyxia and trauma | All | 5,028.8 (2,033.3, 9,209.3)    | 0.002970 (0.0012009, 0.0054395) | 3,221.2 (1,340.4, 6,451.0)    | 0.002092 (0.0008703, 0.0041888) |
| Kalimantan Timur | Preterm birth complications                              | All | 8,119.8 (3,494.9, 14,192.4)   | 0.004796 (0.0020643, 0.0083828) | 6,915.6 (3,190.3, 12,528.0)   | 0.004491 (0.0020715, 0.0081348) |
| Kalimantan Timur | Other neonatal disorders                                 | All | 5,290.4 (1,865.2, 10,795.5)   | 0.003125 (0.0011017, 0.0063764) | 3,340.5 (1,204.8, 6,833.9)    | 0.002169 (0.0007823, 0.0044374) |
| Kalimantan Timur | Other communicable diseases                              | All | 15,947.8 (10,826.0, 22,406.6) | 0.009420 (0.0063944, 0.0132345) | 9,622.3 (6,680.2, 13,520.6)   | 0.006248 (0.0043377, 0.0087793) |
| Kalimantan Timur | Tracheal, bronchus, and lung cancer                      | All | 4,817.2 (2,242.4, 9,090.6)    | 0.002845 (0.0013245, 0.0053694) | 1,603.8 (709.7, 3,180.6)      | 0.001041 (0.0004608, 0.0020653) |
| Kalimantan Timur | Breast cancer                                            | All | 279.6 (102.8, 660.1)          | 0.000165 (0.0000607, 0.0003899) | 10,245.1 (6,023.7, 15,677.4)  | 0.006652 (0.0039114, 0.0101798) |
| Kalimantan Timur | Cervical cancer                                          | All |                               |                                 | 7,664.4 (3,950.7, 12,571.1)   | 0.004977 (0.0025653, 0.0081628) |
| Kalimantan Timur | Other malignant neoplasms                                | All | 24,958.8 (17,301.8, 33,868.3) | 0.014742 (0.0102194, 0.0200044) | 11,781.9 (7,363.5, 17,335.5)  | 0.007650 (0.0047814, 0.0112564) |
| Kalimantan Timur | Cerebrovascular disease                                  | All | 42,084.2 (31,952.5, 54,431.9) | 0.024857 (0.0188728, 0.0321503) | 33,432.9 (26,558.6, 43,021.6) | 0.021709 (0.0172453, 0.0279352) |
| Kalimantan Timur | Ischemic heart disease                                   | All | 49,594.4 (37,258.1, 64,319.1) | 0.029293 (0.0220066, 0.0379902) | 22,928.4 (17,346.0, 30,171.2) | 0.014888 (0.0112632, 0.0195910) |
| Kalimantan Timur | Other cardiovascular and circulatory diseases            | All | 14,403.2 (9,530.6, 21,343.4)  | 0.008507 (0.0056293, 0.0126065) | 11,479.0 (7,692.3, 16,947.4)  | 0.007454 (0.0049948, 0.0110044) |
| Kalimantan Timur | Diabetes mellitus                                        | All | 25,007.8 (17,991.1, 33,905.3) | 0.014771 (0.0106265, 0.0200263) | 24,481.4 (18,071.4, 32,782.7) | 0.015897 (0.0117342, 0.0212867) |
| Kalimantan Timur | Chronic kidney disease                                   | All | 11,242.4 (7,019.2, 16,841.8)  | 0.006640 (0.0041459, 0.0099476) | 7,619.1 (4,988.9, 11,407.3)   | 0.004947 (0.0032394, 0.0074071) |
| Kalimantan Timur | Cirrhosis                                                | All | 15,144.0 (9,946.4, 21,784.0)  | 0.008945 (0.0058749, 0.0128667) | 6,122.3 (3,810.4, 8,829.2)    | 0.003975 (0.0024742, 0.0057331) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                  |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Kalimantan Timur | Chronic respiratory diseases                             | All | 17,089.7      | (11,534.4, 24,728.2) | 0.010094                 | (0.0068128, 0.0146058) | 7,792.2       | (5,179.0, 11,124.1)  | 0.005060                 | (0.0033629, 0.0072232) |
| Kalimantan Timur | Other non-communicable diseases                          | All | 31,461.1      | (24,130.1, 40,341.9) | 0.018583                 | (0.0142525, 0.0238280) | 25,397.7      | (19,689.0, 32,830.4) | 0.016491                 | (0.0127846, 0.0213177) |
| Kalimantan Timur | Drowning                                                 | All | 4,099.0       | (2,040.5, 6,990.0)   | 0.002421                 | (0.0012052, 0.0041287) | 1,346.8       | (651.6, 2,541.1)     | 0.000875                 | (0.0004231, 0.0016500) |
| Kalimantan Timur | Falls                                                    | All | 4,930.2       | (2,350.3, 9,374.2)   | 0.002912                 | (0.0013882, 0.0055369) | 2,185.2       | (1,012.0, 4,128.0)   | 0.001419                 | (0.0006571, 0.0026804) |
| Kalimantan Timur | Interpersonal violence                                   | All | 1,898.8       | (961.3, 3,212.7)     | 0.001122                 | (0.0005678, 0.0018976) | 991.7         | (468.2, 1,748.3)     | 0.000644                 | (0.0003040, 0.0011352) |
| Kalimantan Timur | Self-harm                                                | All | 1,163.7       | (504.4, 2,216.0)     | 0.000687                 | (0.0002979, 0.0013089) | 485.6         | (196.1, 961.7)       | 0.000315                 | (0.0001273, 0.0006245) |
| Kalimantan Timur | Transport injuries                                       | All | 37,626.0      | (27,472.7, 49,715.1) | 0.022224                 | (0.0162268, 0.0293644) | 11,393.8      | (7,701.3, 16,312.9)  | 0.007398                 | (0.0050007, 0.0105924) |
| Kalimantan Timur | Other unintentional injuries                             | All | 8,214.0       | (4,547.7, 13,478.4)  | 0.004852                 | (0.0026861, 0.0079610) | 2,750.2       | (1,417.6, 4,703.5)   | 0.001786                 | (0.0009205, 0.0030541) |
| Kalimantan Utara | Diarrheal diseases                                       | NN  | 75.5          | (18.5, 182.8)        | 0.141365                 | (0.0345810, 0.3422388) | 63.6          | (17.5, 150.4)        | 0.119838                 | (0.0329252, 0.2831941) |
| Kalimantan Utara | Lower respiratory infections                             | NN  | 549.0         | (192.6, 1,231.6)     | 1.027710                 | (0.3606118, 2.3056700) | 334.7         | (120.8, 714.1)       | 0.630261                 | (0.2274386, 1.3448570) |
| Kalimantan Utara | Malaria                                                  | NN  | 1.7           | (0.0, 13.4)          | 0.003194                 | (0.0000486, 0.0250886) | 1.2           | (0.0, 9.8)           | 0.002221                 | (0.0000321, 0.0184467) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 1,010.8       | (374.9, 2,029.4)     | 1.892329                 | (0.7019171, 3.7991791) | 671.4         | (254.8, 1,425.4)     | 1.264434                 | (0.4798551, 2.6843150) |
| Kalimantan Utara | Preterm birth complications                              | NN  | 2,833.9       | (1,173.1, 5,033.8)   | 5.305340                 | (2.1961701, 9.4236431) | 2,450.9       | (1,086.2, 4,402.1)   | 4.615568                 | (2.0455861, 8.2903500) |
| Kalimantan Utara | Other neonatal disorders                                 | NN  | 816.4         | (177.1, 2,149.4)     | 1.528290                 | (0.3316321, 4.0237861) | 534.2         | (96.1, 1,462.2)      | 1.006036                 | (0.1809488, 2.7536321) |
| Kalimantan Utara | Other communicable diseases                              | NN  | 126.9         | (39.6, 295.9)        | 0.237539                 | (0.0741865, 0.5538759) | 74.9          | (23.2, 173.8)        | 0.141128                 | (0.0437762, 0.3272986) |
| Kalimantan Utara | Other malignant neoplasms                                | NN  | 81.7          | (20.9, 206.2)        | 0.153002                 | (0.0391129, 0.3860177) | 69.9          | (17.8, 191.1)        | 0.131565                 | (0.0335762, 0.3599351) |
| Kalimantan Utara | Cerebrovascular disease                                  | NN  | 30.9          | (6.3, 90.1)          | 0.057936                 | (0.0118640, 0.1686336) | 32.8          | (6.6, 96.9)          | 0.061714                 | (0.0125099, 0.1825461) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | NN  | 14.1          | (1.8, 46.6)          | 0.026408                 | (0.0033006, 0.0871529) | 14.5          | (1.9, 51.2)          | 0.027361                 | (0.0036422, 0.0963383) |
| Kalimantan Utara | Diabetes mellitus                                        | NN  | 4.8           | (0.0, 43.6)          | 0.008977                 | (0.0000385, 0.0817077) | 18.5          | (0.1, 155.8)         | 0.034907                 | (0.0001692, 0.2933164) |
| Kalimantan Utara | Other non-communicable diseases                          | NN  | 1,262.9       | (559.6, 2,200.6)     | 2.364292                 | (1.0476000, 4.1197128) | 1,187.8       | (537.9, 2,099.4)     | 2.236914                 | (1.0129350, 3.9536901) |
| Kalimantan Utara | Drowning                                                 | NN  | 42.4          | (6.7, 133.5)         | 0.079309                 | (0.0124899, 0.2499692) | 9.1           | (1.4, 32.6)          | 0.017141                 | (0.0026924, 0.0614757) |
| Kalimantan Utara | Falls                                                    | NN  | 35.7          | (5.8, 107.8)         | 0.066845                 | (0.0108738, 0.2017755) | 10.6          | (1.8, 35.4)          | 0.020014                 | (0.0034733, 0.0666664) |
| Kalimantan Utara | Interpersonal violence                                   | NN  | 31.9          | (5.7, 96.2)          | 0.059716                 | (0.0106593, 0.1800972) | 17.7          | (3.0, 56.4)          | 0.033369                 | (0.0056152, 0.1061947) |
| Kalimantan Utara | Transport injuries                                       | NN  | 65.5          | (11.9, 187.5)        | 0.122539                 | (0.0222225, 0.3509450) | 15.1          | (2.5, 45.8)          | 0.028360                 | (0.0046260, 0.0862770) |
| Kalimantan Utara | Other unintentional injuries                             | NN  | 229.0         | (59.9, 534.8)        | 0.428714                 | (0.1121854, 1.0011131) | 70.5          | (19.9, 175.6)        | 0.132714                 | (0.0375087, 0.3307905) |
| Kalimantan Utara | Diarrheal diseases                                       | PNN | 23.0          | (7.3, 49.1)          | 0.003457                 | (0.0010924, 0.0073602) | 23.9          | (8.5, 49.1)          | 0.003609                 | (0.0012769, 0.0074066) |
| Kalimantan Utara | HIV/AIDS                                                 | PNN | 1.9           | (0.2, 7.4)           | 0.000281                 | (0.0000242, 0.0011148) | 1.3           | (0.1, 5.3)           | 0.000203                 | (0.0000181, 0.0008036) |
| Kalimantan Utara | Lower respiratory infections                             | PNN | 12.5          | (4.3, 26.9)          | 0.001875                 | (0.0006387, 0.0040350) | 8.8           | (2.7, 19.7)          | 0.001327                 | (0.0004126, 0.0029790) |
| Kalimantan Utara | Malaria                                                  | PNN | 0.5           | (0.0, 3.5)           | 0.000073                 | (0.0000015, 0.0005220) | 0.4           | (0.0, 3.0)           | 0.000062                 | (0.0000010, 0.0004528) |
| Kalimantan Utara | Tuberculosis                                             | PNN | 2.3           | (0.3, 8.3)           | 0.000343                 | (0.0000504, 0.0012470) | 1.8           | (0.3, 6.6)           | 0.000266                 | (0.0000391, 0.0009920) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 0.6           | (0.1, 1.8)           | 0.000097                 | (0.0000215, 0.0002703) | 0.5           | (0.1, 1.4)           | 0.000073                 | (0.0000156, 0.0002145) |
| Kalimantan Utara | Preterm birth complications                              | PNN | 8.0           | (1.9, 19.7)          | 0.001195                 | (0.0002850, 0.0029568) | 8.9           | (2.4, 22.4)          | 0.001344                 | (0.0003586, 0.0033813) |
| Kalimantan Utara | Other neonatal disorders                                 | PNN | 2.7           | (0.4, 11.0)          | 0.000412                 | (0.0000554, 0.0016486) | 2.0           | (0.3, 8.8)           | 0.000308                 | (0.0000380, 0.0013267) |
| Kalimantan Utara | Other communicable diseases                              | PNN | 42.5          | (18.8, 79.2)         | 0.006379                 | (0.0028164, 0.0118816) | 30.9          | (11.8, 59.0)         | 0.004660                 | (0.0017762, 0.0089054) |
| Kalimantan Utara | Other malignant neoplasms                                | PNN | 1.3           | (0.4, 3.2)           | 0.000197                 | (0.0000555, 0.0004737) | 1.2           | (0.3, 3.1)           | 0.000186                 | (0.0000516, 0.0004644) |
| Kalimantan Utara | Cerebrovascular disease                                  | PNN | 0.5           | (0.1, 1.5)           | 0.000075                 | (0.0000152, 0.0002228) | 0.6           | (0.1, 1.5)           | 0.000087                 | (0.0000189, 0.0002312) |
| Kalimantan Utara | Ischemic heart disease                                   | PNN | 0.2           | (0.0, 1.2)           | 0.000035                 | (0.0000017, 0.0001766) | 0.3           | (0.0, 1.3)           | 0.000040                 | (0.0000020, 0.0002031) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | PNN | 0.2           | (0.0, 0.8)           | 0.000034                 | (0.0000047, 0.0001177) | 0.3           | (0.0, 0.9)           | 0.000039                 | (0.0000049, 0.0001420) |
| Kalimantan Utara | Diabetes mellitus                                        | PNN | 0.1           | (0.0, 0.7)           | 0.000012                 | (0.0000001, 0.0001031) | 0.3           | (0.0, 2.7)           | 0.000051                 | (0.0000003, 0.0004138) |
| Kalimantan Utara | Chronic kidney disease                                   | PNN | 2.1           | (0.6, 5.0)           | 0.000317                 | (0.0000859, 0.0007501) | 2.2           | (0.6, 5.4)           | 0.000325                 | (0.0000869, 0.0008144) |
| Kalimantan Utara | Other non-communicable diseases                          | PNN | 20.1          | (9.2, 36.5)          | 0.003021                 | (0.0013747, 0.0054755) | 20.8          | (9.2, 37.5)          | 0.003136                 | (0.0013810, 0.0056552) |
| Kalimantan Utara | Drowning                                                 | PNN | 0.9           | (0.1, 2.7)           | 0.000130                 | (0.0000217, 0.0003986) | 0.2           | (0.0, 0.7)           | 0.000031                 | (0.0000055, 0.0001100) |
| Kalimantan Utara | Falls                                                    | PNN | 0.7           | (0.1, 2.0)           | 0.000105                 | (0.0000201, 0.0003048) | 0.2           | (0.0, 0.8)           | 0.000035                 | (0.0000065, 0.0001136) |
| Kalimantan Utara | Interpersonal violence                                   | PNN | 0.6           | (0.1, 1.9)           | 0.000092                 | (0.0000178, 0.0002839) | 0.4           | (0.1, 1.2)           | 0.000057                 | (0.0000101, 0.0001787) |
| Kalimantan Utara | Transport injuries                                       | PNN | 1.3           | (0.3, 3.7)           | 0.000197                 | (0.0000419, 0.0005479) | 0.3           | (0.1, 1.1)           | 0.000051                 | (0.0000099, 0.0001685) |
| Kalimantan Utara | Other unintentional injuries                             | PNN | 4.4           | (1.2, 10.2)          | 0.000665                 | (0.0001834, 0.0015326) | 1.5           | (0.4, 3.9)           | 0.000228                 | (0.0000667, 0.0005845) |
| Kalimantan Utara | Diarrheal diseases                                       | 1   | 186.9         | (49.5, 467.8)        | 0.006945                 | (0.0018374, 0.0173788) | 204.8         | (66.0, 460.9)        | 0.007696                 | (0.0024819, 0.0173238) |
| Kalimantan Utara | HIV/AIDS                                                 | 1   | 33.5          | (2.8, 138.6)         | 0.001245                 | (0.0001050, 0.0051495) | 26.8          | (2.2, 110.1)         | 0.001007                 | (0.0000833, 0.0041363) |
| Kalimantan Utara | Lower respiratory infections                             | 1   | 228.8         | (56.1, 551.6)        | 0.008502                 | (0.0020836, 0.0204913) | 177.6         | (47.9, 431.9)        | 0.006673                 | (0.0018009, 0.0162302) |
| Kalimantan Utara | Malaria                                                  | 1   | 3.7           | (0.1, 28.7)          | 0.000137                 | (0.0000023, 0.0010646) | 3.1           | (0.0, 23.6)          | 0.000117                 | (0.0000018, 0.0008859) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                  |                                 | Females                |                                 |
|------------------|----------------------------------------------------------|-----|------------------------|---------------------------------|------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Kalimantan Utara | Tuberculosis                                             | 1   | 44.0 (6.2, 150.1)      | 0.001635 (0.0002303, 0.0055755) | 37.8 (5.3, 134.4)      | 0.001422 (0.0002007, 0.0050506) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 6.3 (1.2, 19.7)        | 0.000234 (0.0000441, 0.0007324) | 4.8 (0.9, 14.1)        | 0.000180 (0.0000357, 0.0005282) |
| Kalimantan Utara | Preterm birth complications                              | 1   | 14.9 (1.7, 52.4)       | 0.000553 (0.0000647, 0.0019473) | 17.4 (2.2, 60.1)       | 0.000652 (0.0000842, 0.0022605) |
| Kalimantan Utara | Other neonatal disorders                                 | 1   | 3.5 (0.0, 25.7)        | 0.000130 (0.0000006, 0.0009530) | 2.7 (0.0, 20.2)        | 0.000103 (0.0000004, 0.0007594) |
| Kalimantan Utara | Other communicable diseases                              | 1   | 707.3 (244.6, 1,494.1) | 0.026275 (0.0090889, 0.0555082) | 553.7 (220.5, 1,183.5) | 0.020808 (0.0082867, 0.0444809) |
| Kalimantan Utara | Other malignant neoplasms                                | 1   | 16.9 (3.8, 46.5)       | 0.000628 (0.0001413, 0.0017273) | 17.6 (4.6, 46.1)       | 0.000660 (0.0001722, 0.0017310) |
| Kalimantan Utara | Cerebrovascular disease                                  | 1   | 7.0 (1.1, 21.4)        | 0.000260 (0.0000412, 0.0007968) | 9.0 (1.9, 27.2)        | 0.000338 (0.0000697, 0.0010233) |
| Kalimantan Utara | Ischemic heart disease                                   | 1   | 3.2 (0.1, 16.2)        | 0.000118 (0.0000049, 0.0006024) | 4.2 (0.2, 19.9)        | 0.000157 (0.0000071, 0.0007490) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 1   | 2.9 (0.3, 9.7)         | 0.000108 (0.0000119, 0.0003621) | 3.6 (0.5, 12.0)        | 0.000136 (0.0000182, 0.0004512) |
| Kalimantan Utara | Diabetes mellitus                                        | 1   | 0.9 (0.0, 7.3)         | 0.000035 (0.0000001, 0.0002729) | 4.6 (0.0, 33.5)        | 0.000172 (0.0000008, 0.0012572) |
| Kalimantan Utara | Chronic kidney disease                                   | 1   | 26.4 (6.3, 74.9)       | 0.000981 (0.0002347, 0.0027812) | 29.9 (7.5, 81.7)       | 0.001126 (0.0002829, 0.0030687) |
| Kalimantan Utara | Cirrhosis                                                | 1   | 17.3 (3.6, 48.6)       | 0.000642 (0.0001331, 0.0018072) | 11.4 (1.8, 33.1)       | 0.000429 (0.0000684, 0.0012430) |
| Kalimantan Utara | Chronic respiratory diseases                             | 1   | 46.4 (9.6, 135.1)      | 0.001725 (0.0003566, 0.0050201) | 22.7 (3.9, 70.6)       | 0.000853 (0.0001452, 0.0026543) |
| Kalimantan Utara | Other non-communicable diseases                          | 1   | 259.8 (84.8, 594.1)    | 0.009650 (0.0031520, 0.0220694) | 298.9 (113.2, 621.0)   | 0.011233 (0.0042548, 0.0233395) |
| Kalimantan Utara | Drowning                                                 | 1   | 46.3 (9.4, 130.1)      | 0.001722 (0.0003477, 0.0048315) | 12.7 (2.2, 40.5)       | 0.000477 (0.0000841, 0.0015227) |
| Kalimantan Utara | Falls                                                    | 1   | 26.5 (4.7, 89.3)       | 0.000984 (0.0001729, 0.0033165) | 10.0 (1.8, 32.5)       | 0.000377 (0.0000668, 0.0012232) |
| Kalimantan Utara | Interpersonal violence                                   | 1   | 19.2 (3.2, 57.2)       | 0.000713 (0.0001191, 0.0021254) | 13.2 (2.3, 39.6)       | 0.000497 (0.0000861, 0.0014881) |
| Kalimantan Utara | Transport injuries                                       | 1   | 61.9 (12.3, 179.9)     | 0.002299 (0.0004560, 0.006851)  | 18.2 (3.4, 55.7)       | 0.000683 (0.0001268, 0.0020951) |
| Kalimantan Utara | Other unintentional injuries                             | 1   | 143.2 (36.5, 369.3)    | 0.005321 (0.0013560, 0.0137208) | 55.7 (15.1, 140.2)     | 0.002094 (0.0005676, 0.0052675) |
| Kalimantan Utara | Diarrheal diseases                                       | 5   | 108.4 (39.6, 207.8)    | 0.003256 (0.0011906, 0.0062439) | 93.2 (38.1, 170.2)     | 0.003084 (0.0012599, 0.0056321) |
| Kalimantan Utara | HIV/AIDS                                                 | 5   | 13.5 (1.0, 52.1)       | 0.000407 (0.0000298, 0.0015662) | 8.4 (0.6, 33.0)        | 0.000279 (0.0000202, 0.0010906) |
| Kalimantan Utara | Lower respiratory infections                             | 5   | 84.9 (26.6, 164.3)     | 0.002551 (0.0007992, 0.0049351) | 51.6 (15.9, 100.2)     | 0.001707 (0.0005271, 0.0033158) |
| Kalimantan Utara | Malaria                                                  | 5   | 2.0 (0.0, 16.0)        | 0.000060 (0.0000012, 0.0004820) | 1.3 (0.0, 10.2)        | 0.000043 (0.0000009, 0.0003379) |
| Kalimantan Utara | Tuberculosis                                             | 5   | 22.7 (4.6, 69.7)       | 0.000682 (0.0001368, 0.0020943) | 15.3 (3.2, 47.6)       | 0.000506 (0.0001062, 0.0015738) |
| Kalimantan Utara | Other communicable diseases                              | 5   | 406.0 (251.4, 571.5)   | 0.012198 (0.0075514, 0.0171698) | 249.0 (153.9, 355.5)   | 0.008237 (0.0050910, 0.0117606) |
| Kalimantan Utara | Other malignant neoplasms                                | 5   | 87.7 (35.7, 169.9)     | 0.002634 (0.0010716, 0.0051029) | 65.7 (27.5, 122.6)     | 0.002173 (0.0009107, 0.0040551) |
| Kalimantan Utara | Cerebrovascular disease                                  | 5   | 24.6 (7.6, 54.8)       | 0.000740 (0.0002292, 0.0016457) | 22.6 (7.8, 48.5)       | 0.000749 (0.0002588, 0.0016045) |
| Kalimantan Utara | Ischemic heart disease                                   | 5   | 13.1 (3.7, 31.9)       | 0.000394 (0.0001101, 0.0009590) | 12.0 (3.4, 28.5)       | 0.000395 (0.0001138, 0.0009422) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 5   | 12.0 (2.5, 33.0)       | 0.000362 (0.0000750, 0.0009920) | 10.5 (2.4, 29.4)       | 0.000348 (0.0000797, 0.0009722) |
| Kalimantan Utara | Diabetes mellitus                                        | 5   | 10.8 (3.3, 27.1)       | 0.000324 (0.0000981, 0.0008136) | 40.0 (12.3, 95.1)      | 0.001322 (0.0004062, 0.0031457) |
| Kalimantan Utara | Chronic kidney disease                                   | 5   | 48.0 (18.1, 97.5)      | 0.001441 (0.0005433, 0.0029285) | 39.3 (16.1, 76.7)      | 0.001301 (0.0005332, 0.0025386) |
| Kalimantan Utara | Cirrhosis                                                | 5   | 40.8 (16.1, 80.4)      | 0.001225 (0.0004828, 0.0024164) | 20.1 (5.3, 49.0)       | 0.000666 (0.0001749, 0.0016199) |
| Kalimantan Utara | Chronic respiratory diseases                             | 5   | 31.5 (8.8, 74.0)       | 0.000946 (0.0002648, 0.0022223) | 10.9 (2.8, 26.6)       | 0.000361 (0.0000918, 0.0008810) |
| Kalimantan Utara | Other non-communicable diseases                          | 5   | 197.3 (112.9, 300.2)   | 0.005927 (0.0033920, 0.0090187) | 163.7 (95.5, 237.9)    | 0.005417 (0.0031598, 0.0078723) |
| Kalimantan Utara | Drowning                                                 | 5   | 186.0 (69.6, 351.7)    | 0.005587 (0.0020898, 0.0105647) | 56.7 (17.1, 123.8)     | 0.001875 (0.0005642, 0.0040947) |
| Kalimantan Utara | Falls                                                    | 5   | 53.3 (16.0, 137.6)     | 0.001600 (0.0004812, 0.0041341) | 21.2 (6.4, 58.1)       | 0.000701 (0.0002125, 0.0019211) |
| Kalimantan Utara | Interpersonal violence                                   | 5   | 17.9 (4.7, 49.1)       | 0.000538 (0.0001399, 0.0014737) | 12.8 (3.5, 32.2)       | 0.000425 (0.0001162, 0.0010640) |
| Kalimantan Utara | Transport injuries                                       | 5   | 228.3 (95.1, 405.6)    | 0.006857 (0.0028566, 0.0121854) | 74.7 (24.7, 148.6)     | 0.002471 (0.0008182, 0.0049171) |
| Kalimantan Utara | Other unintentional injuries                             | 5   | 155.2 (54.4, 292.9)    | 0.004663 (0.0016351, 0.0087999) | 64.3 (20.7, 130.4)     | 0.002127 (0.0006842, 0.0043135) |
| Kalimantan Utara | Diarrheal diseases                                       | 10  | 41.1 (12.6, 87.1)      | 0.001467 (0.0004481, 0.0031042) | 35.1 (11.6, 71.4)      | 0.001295 (0.0004267, 0.0026340) |
| Kalimantan Utara | HIV/AIDS                                                 | 10  | 9.7 (0.9, 38.4)        | 0.000347 (0.0000322, 0.0013708) | 5.9 (0.6, 22.7)        | 0.000219 (0.0000219, 0.0008381) |
| Kalimantan Utara | Lower respiratory infections                             | 10  | 40.7 (9.1, 90.8)       | 0.001451 (0.0003262, 0.0032369) | 24.4 (5.5, 54.8)       | 0.000900 (0.0002014, 0.0020224) |
| Kalimantan Utara | Malaria                                                  | 10  | 2.9 (0.1, 21.9)        | 0.000103 (0.0000025, 0.0007807) | 1.8 (0.0, 12.9)        | 0.000067 (0.0000016, 0.0004775) |
| Kalimantan Utara | Tuberculosis                                             | 10  | 34.9 (9.1, 87.1)       | 0.001245 (0.0003238, 0.0031071) | 22.2 (6.3, 56.5)       | 0.000820 (0.0002341, 0.0020868) |
| Kalimantan Utara | Maternal disorders                                       | 10  |                        |                                 | 6.4 (0.7, 22.9)        | 0.000238 (0.0000242, 0.0008436) |
| Kalimantan Utara | Other communicable diseases                              | 10  | 236.7 (138.1, 345.3)   | 0.008438 (0.0049251, 0.0123118) | 142.2 (83.7, 210.5)    | 0.005249 (0.0030898, 0.0077721) |
| Kalimantan Utara | Other malignant neoplasms                                | 10  | 94.9 (43.4, 171.1)     | 0.003383 (0.0015473, 0.0061010) | 69.7 (32.9, 121.1)     | 0.002571 (0.0012142, 0.0044688) |
| Kalimantan Utara | Cerebrovascular disease                                  | 10  | 28.8 (10.9, 56.1)      | 0.001027 (0.0003897, 0.0019996) | 25.8 (10.8, 50.2)      | 0.000951 (0.0003971, 0.0018547) |
| Kalimantan Utara | Ischemic heart disease                                   | 10  | 22.7 (8.2, 47.3)       | 0.000811 (0.0002940, 0.0016866) | 19.8 (7.1, 39.1)       | 0.000729 (0.0002635, 0.0014444) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 10  | 12.8 (3.3, 31.7)       | 0.000457 (0.0001186, 0.0011318) | 10.9 (2.9, 27.3)       | 0.000401 (0.0001075, 0.0010087) |
| Kalimantan Utara | Diabetes mellitus                                        | 10  | 11.4 (4.4, 24.3)       | 0.000407 (0.0001564, 0.0008652) | 41.3 (16.1, 88.2)      | 0.001525 (0.0005945, 0.0032562) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females             |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|---------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)       | YLLs per capita (95% UI)        |
| Kalimantan Utara | Chronic kidney disease                        | 10  | 49.7 (22.2, 93.4)    | 0.001770 (0.0007902, 0.0033290) | 39.4 (18.3, 70.6)   | 0.001455 (0.0006756, 0.0026073) |
| Kalimantan Utara | Cirrhosis                                     | 10  | 35.2 (16.0, 65.2)    | 0.001256 (0.0005718, 0.0023234) | 17.4 (5.2, 42.1)    | 0.000641 (0.0001910, 0.0015557) |
| Kalimantan Utara | Chronic respiratory diseases                  | 10  | 41.0 (13.9, 89.1)    | 0.001461 (0.0004944, 0.0031754) | 14.3 (4.2, 33.3)    | 0.000527 (0.0001544, 0.0012289) |
| Kalimantan Utara | Other non-communicable diseases               | 10  | 165.3 (99.6, 241.0)  | 0.005894 (0.0035507, 0.0085933) | 132.6 (85.2, 187.9) | 0.004893 (0.0031448, 0.0069352) |
| Kalimantan Utara | Drowning                                      | 10  | 75.6 (25.0, 162.0)   | 0.002694 (0.0008928, 0.0057757) | 22.2 (6.2, 51.8)    | 0.000819 (0.0002274, 0.0019139) |
| Kalimantan Utara | Falls                                         | 10  | 36.5 (11.3, 95.6)    | 0.001301 (0.0004027, 0.0034073) | 14.2 (3.9, 40.5)    | 0.000525 (0.0001455, 0.0014952) |
| Kalimantan Utara | Interpersonal violence                        | 10  | 20.5 (6.8, 48.3)     | 0.000730 (0.0002435, 0.0017230) | 13.6 (4.1, 31.6)    | 0.000503 (0.0001509, 0.0011673) |
| Kalimantan Utara | Self-harm                                     | 10  | 8.5 (2.1, 21.6)      | 0.000303 (0.0000760, 0.0007684) | 4.9 (1.0, 13.0)     | 0.000179 (0.0000377, 0.0004784) |
| Kalimantan Utara | Transport injuries                            | 10  | 250.4 (129.6, 392.9) | 0.008928 (0.0046221, 0.0140094) | 83.8 (36.0, 152.0)  | 0.003094 (0.0013285, 0.0056108) |
| Kalimantan Utara | Other unintentional injuries                  | 10  | 115.3 (44.1, 219.8)  | 0.004109 (0.0015730, 0.0078360) | 45.5 (15.2, 92.5)   | 0.001678 (0.0005609, 0.0034159) |
| Kalimantan Utara | Diarrheal diseases                            | 15  | 24.1 (6.0, 58.9)     | 0.000993 (0.0002492, 0.0024327) | 16.5 (4.2, 39.3)    | 0.000704 (0.0001793, 0.0016766) |
| Kalimantan Utara | HIV/AIDS                                      | 15  | 6.7 (0.6, 28.0)      | 0.000275 (0.0000240, 0.0011548) | 3.8 (0.3, 14.7)     | 0.000163 (0.0000122, 0.0006263) |
| Kalimantan Utara | Lower respiratory infections                  | 15  | 15.1 (2.4, 43.1)     | 0.000625 (0.0000990, 0.0017800) | 7.5 (1.2, 22.2)     | 0.000320 (0.0000533, 0.0009463) |
| Kalimantan Utara | Malaria                                       | 15  | 6.6 (0.2, 43.0)      | 0.000272 (0.0000073, 0.0017754) | 3.8 (0.1, 24.7)     | 0.000160 (0.0000040, 0.0010527) |
| Kalimantan Utara | Tuberculosis                                  | 15  | 45.8 (11.9, 113.2)   | 0.001891 (0.0004925, 0.0046732) | 26.8 (8.0, 62.0)    | 0.001143 (0.0003416, 0.0026463) |
| Kalimantan Utara | Maternal disorders                            | 15  |                      |                                 | 20.2 (5.4, 52.2)    | 0.000860 (0.0002313, 0.0022288) |
| Kalimantan Utara | Other communicable diseases                   | 15  | 171.4 (87.1, 282.9)  | 0.007079 (0.0035954, 0.0116802) | 78.6 (39.8, 135.7)  | 0.003352 (0.0016987, 0.0057885) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 15  | 31.2 (6.1, 75.7)     | 0.001288 (0.0002509, 0.0031241) | 10.2 (1.6, 29.4)    | 0.000435 (0.0000672, 0.0012526) |
| Kalimantan Utara | Breast cancer                                 | 15  | 0.4 (0.0, 1.8)       | 0.000018 (0.0000011, 0.0000754) | 11.1 (1.8, 31.8)    | 0.000472 (0.0000757, 0.0013560) |
| Kalimantan Utara | Cervical cancer                               | 15  |                      |                                 | 12.8 (0.9, 45.4)    | 0.000547 (0.0000385, 0.0019389) |
| Kalimantan Utara | Other malignant neoplasms                     | 15  | 99.8 (44.1, 182.4)   | 0.004122 (0.0018208, 0.0075309) | 64.7 (25.1, 124.8)  | 0.002760 (0.0010703, 0.0053227) |
| Kalimantan Utara | Cerebrovascular disease                       | 15  | 41.1 (17.4, 80.7)    | 0.001696 (0.0007186, 0.0033334) | 31.0 (13.5, 58.7)   | 0.001324 (0.0005762, 0.0025047) |
| Kalimantan Utara | Ischemic heart disease                        | 15  | 53.7 (22.4, 100.3)   | 0.002218 (0.0009245, 0.0041423) | 37.0 (14.4, 68.7)   | 0.001577 (0.0006137, 0.0029299) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 15  | 15.8 (4.0, 37.1)     | 0.000651 (0.0001650, 0.0015300) | 12.8 (3.2, 33.1)    | 0.000548 (0.0001368, 0.0014111) |
| Kalimantan Utara | Diabetes mellitus                             | 15  | 15.2 (6.1, 33.1)     | 0.000630 (0.0002506, 0.0013670) | 52.1 (20.9, 103.9)  | 0.002221 (0.0008900, 0.0044321) |
| Kalimantan Utara | Chronic kidney disease                        | 15  | 60.8 (28.7, 112.3)   | 0.002510 (0.0011861, 0.0046386) | 48.2 (22.3, 87.4)   | 0.002055 (0.0009499, 0.0037305) |
| Kalimantan Utara | Cirrhosis                                     | 15  | 35.5 (16.2, 66.6)    | 0.001465 (0.0006694, 0.0027517) | 15.8 (4.4, 37.9)    | 0.000675 (0.0001890, 0.0016168) |
| Kalimantan Utara | Chronic respiratory diseases                  | 15  | 23.1 (6.9, 54.1)     | 0.000955 (0.0002843, 0.0022359) | 9.9 (2.8, 24.9)     | 0.000424 (0.0001214, 0.0010611) |
| Kalimantan Utara | Other non-communicable diseases               | 15  | 155.0 (89.1, 234.8)  | 0.006401 (0.0036785, 0.0096953) | 111.1 (66.4, 166.9) | 0.004741 (0.0028325, 0.0071207) |
| Kalimantan Utara | Drowning                                      | 15  | 30.3 (9.4, 68.4)     | 0.001250 (0.0003871, 0.0028253) | 6.4 (1.7, 16.3)     | 0.000273 (0.0000711, 0.0006953) |
| Kalimantan Utara | Falls                                         | 15  | 26.0 (8.3, 70.4)     | 0.001074 (0.0003430, 0.0029089) | 8.2 (2.4, 25.1)     | 0.000348 (0.0001011, 0.0010717) |
| Kalimantan Utara | Interpersonal violence                        | 15  | 37.8 (13.9, 78.0)    | 0.001561 (0.0005759, 0.0032195) | 25.7 (8.0, 55.1)    | 0.001097 (0.0003419, 0.0023516) |
| Kalimantan Utara | Self-harm                                     | 15  | 13.8 (4.1, 32.9)     | 0.000570 (0.0001707, 0.0013599) | 8.4 (2.2, 20.8)     | 0.000358 (0.0000921, 0.0008889) |
| Kalimantan Utara | Transport injuries                            | 15  | 506.2 (337.6, 695.7) | 0.020903 (0.0139414, 0.0287261) | 169.2 (91.3, 266.1) | 0.007218 (0.0038962, 0.0113537) |
| Kalimantan Utara | Other unintentional injuries                  | 15  | 134.3 (54.5, 258.4)  | 0.005544 (0.0022491, 0.0106680) | 48.6 (16.1, 99.0)   | 0.002073 (0.0006887, 0.0042234) |
| Kalimantan Utara | Diarrheal diseases                            | 20  | 26.4 (6.8, 66.4)     | 0.001052 (0.0002717, 0.0026439) | 12.7 (3.4, 30.2)    | 0.000557 (0.0001479, 0.0013298) |
| Kalimantan Utara | HIV/AIDS                                      | 20  | 29.1 (3.4, 100.1)    | 0.001157 (0.0001343, 0.0039845) | 9.3 (1.0, 33.0)     | 0.000409 (0.0000420, 0.0014523) |
| Kalimantan Utara | Lower respiratory infections                  | 20  | 19.6 (2.9, 54.3)     | 0.000780 (0.0001162, 0.0021626) | 5.2 (0.8, 15.5)     | 0.000230 (0.0000333, 0.0006815) |
| Kalimantan Utara | Malaria                                       | 20  | 9.3 (0.3, 55.0)      | 0.000369 (0.0000105, 0.0021876) | 3.4 (0.1, 18.9)     | 0.000149 (0.0000036, 0.0008324) |
| Kalimantan Utara | Tuberculosis                                  | 20  | 122.6 (44.4, 255.0)  | 0.004877 (0.0017683, 0.0101483) | 33.7 (10.6, 77.0)   | 0.001485 (0.0004676, 0.0033929) |
| Kalimantan Utara | Maternal disorders                            | 20  |                      |                                 | 58.8 (20.4, 120.7)  | 0.002592 (0.0008974, 0.0053161) |
| Kalimantan Utara | Other communicable diseases                   | 20  | 239.3 (124.0, 389.5) | 0.009522 (0.0049366, 0.0155005) | 79.3 (38.1, 140.2)  | 0.003492 (0.0016803, 0.0061772) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 20  | 32.2 (5.0, 95.5)     | 0.001283 (0.0001992, 0.0037993) | 14.1 (2.4, 39.7)    | 0.000622 (0.0001053, 0.0017475) |
| Kalimantan Utara | Breast cancer                                 | 20  | 0.7 (0.1, 2.7)       | 0.000029 (0.0000034, 0.0001067) | 24.5 (6.6, 57.9)    | 0.001081 (0.0002896, 0.0025507) |
| Kalimantan Utara | Cervical cancer                               | 20  |                      |                                 | 23.9 (2.6, 70.2)    | 0.001055 (0.0001134, 0.0030922) |
| Kalimantan Utara | Other malignant neoplasms                     | 20  | 107.7 (46.9, 206.6)  | 0.004287 (0.0018664, 0.0082223) | 58.9 (19.6, 119.5)  | 0.002595 (0.0008622, 0.0052651) |
| Kalimantan Utara | Cerebrovascular disease                       | 20  | 79.7 (36.0, 138.1)   | 0.003172 (0.0014310, 0.0054956) | 43.9 (20.4, 75.1)   | 0.001933 (0.0009004, 0.0033085) |
| Kalimantan Utara | Ischemic heart disease                        | 20  | 100.6 (45.1, 178.5)  | 0.004003 (0.0017967, 0.0071042) | 38.9 (16.5, 71.6)   | 0.001712 (0.0007276, 0.0031526) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 20  | 25.7 (6.5, 62.5)     | 0.001023 (0.0002574, 0.0024854) | 16.5 (4.5, 39.3)    | 0.000727 (0.0001986, 0.0017291) |
| Kalimantan Utara | Diabetes mellitus                             | 20  | 16.3 (7.2, 32.0)     | 0.000649 (0.0002861, 0.0012720) | 44.2 (18.3, 89.0)   | 0.001948 (0.0008062, 0.0039209) |
| Kalimantan Utara | Chronic kidney disease                        | 20  | 104.6 (54.2, 188.0)  | 0.004162 (0.0021572, 0.0074829) | 62.0 (32.1, 110.6)  | 0.002731 (0.0014153, 0.0048714) |
| Kalimantan Utara | Cirrhosis                                     | 20  | 61.6 (30.8, 108.5)   | 0.002450 (0.0012246, 0.0043189) | 22.6 (7.4, 51.2)    | 0.000996 (0.0003240, 0.0022550) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females             |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|---------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)       | YLLs per capita (95% UI)        |
| Kalimantan Utara | Chronic respiratory diseases                  | 20  | 62.5 (21.4, 124.9)   | 0.002488 (0.0008509, 0.0049708) | 21.5 (7.3, 46.7)    | 0.000946 (0.0003237, 0.0020571) |
| Kalimantan Utara | Other non-communicable diseases               | 20  | 154.5 (83.2, 250.4)  | 0.006149 (0.0033093, 0.0099640) | 84.9 (48.7, 133.0)  | 0.003739 (0.0021446, 0.0058587) |
| Kalimantan Utara | Drowning                                      | 20  | 22.8 (6.6, 58.9)     | 0.000907 (0.0002646, 0.0023442) | 4.2 (1.0, 11.3)     | 0.000183 (0.0000453, 0.0004991) |
| Kalimantan Utara | Falls                                         | 20  | 26.8 (8.0, 74.8)     | 0.001065 (0.0003183, 0.0029749) | 6.8 (1.8, 20.0)     | 0.000299 (0.0000799, 0.0008832) |
| Kalimantan Utara | Interpersonal violence                        | 20  | 48.8 (17.7, 103.7)   | 0.001943 (0.0007057, 0.0041273) | 21.9 (7.3, 48.9)    | 0.000965 (0.0003231, 0.0021544) |
| Kalimantan Utara | Self-harm                                     | 20  | 15.4 (4.3, 36.5)     | 0.000613 (0.0001692, 0.0014512) | 6.0 (1.4, 15.1)     | 0.000263 (0.0000631, 0.0006669) |
| Kalimantan Utara | Transport injuries                            | 20  | 454.4 (265.8, 692.1) | 0.018083 (0.0105769, 0.0275442) | 107.0 (49.8, 186.8) | 0.004712 (0.0021932, 0.0082300) |
| Kalimantan Utara | Other unintentional injuries                  | 20  | 158.5 (61.9, 305.3)  | 0.006307 (0.0024633, 0.0121495) | 41.5 (13.3, 88.1)   | 0.001830 (0.0005853, 0.0038811) |
| Kalimantan Utara | Diarrheal diseases                            | 25  | 45.9 (13.0, 104.8)   | 0.001477 (0.0004193, 0.0033674) | 18.7 (5.7, 41.4)    | 0.000670 (0.0002044, 0.0014850) |
| Kalimantan Utara | HIV/AIDS                                      | 25  | 67.0 (9.0, 201.3)    | 0.002153 (0.0002881, 0.0064708) | 16.9 (2.0, 54.6)    | 0.000607 (0.0000706, 0.0019586) |
| Kalimantan Utara | Lower respiratory infections                  | 25  | 25.7 (3.9, 70.5)     | 0.000827 (0.0001248, 0.0022670) | 5.6 (0.8, 17.0)     | 0.000199 (0.0000296, 0.0006086) |
| Kalimantan Utara | Malaria                                       | 25  | 12.7 (0.4, 75.9)     | 0.000408 (0.0000116, 0.0024408) | 3.6 (0.1, 22.0)     | 0.000128 (0.0000032, 0.0007903) |
| Kalimantan Utara | Tuberculosis                                  | 25  | 219.0 (83.6, 429.5)  | 0.007039 (0.0026889, 0.0138050) | 43.5 (14.0, 98.2)   | 0.001560 (0.0005025, 0.0035207) |
| Kalimantan Utara | Maternal disorders                            | 25  |                      |                                 | 90.5 (33.6, 173.1)  | 0.003244 (0.0012048, 0.0062068) |
| Kalimantan Utara | Other communicable diseases                   | 25  | 311.2 (160.3, 500.6) | 0.010003 (0.0051530, 0.0160924) | 90.5 (44.7, 161.4)  | 0.003245 (0.0016030, 0.0057889) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 25  | 40.1 (5.5, 124.8)    | 0.001288 (0.0001761, 0.0040104) | 19.2 (3.5, 51.0)    | 0.000687 (0.0001259, 0.0018306) |
| Kalimantan Utara | Breast cancer                                 | 25  | 0.8 (0.1, 2.8)       | 0.000026 (0.0000038, 0.0000902) | 46.4 (14.8, 99.6)   | 0.001664 (0.0005320, 0.0035702) |
| Kalimantan Utara | Cervical cancer                               | 25  |                      |                                 | 41.5 (6.4, 111.0)   | 0.001487 (0.0002296, 0.0039816) |
| Kalimantan Utara | Other malignant neoplasms                     | 25  | 177.9 (83.0, 329.8)  | 0.005718 (0.0026676, 0.0106006) | 64.1 (19.4, 144.1)  | 0.002300 (0.0006967, 0.0051670) |
| Kalimantan Utara | Cerebrovascular disease                       | 25  | 163.0 (82.2, 272.8)  | 0.005241 (0.0026422, 0.0087688) | 74.0 (37.9, 118.3)  | 0.002652 (0.0013609, 0.0042422) |
| Kalimantan Utara | Ischemic heart disease                        | 25  | 221.8 (109.4, 358.5) | 0.007128 (0.0035165, 0.0115225) | 64.4 (28.5, 111.0)  | 0.002310 (0.0010224, 0.0039790) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 25  | 39.8 (10.7, 94.8)    | 0.001278 (0.0003431, 0.0030477) | 21.0 (6.0, 48.9)    | 0.000754 (0.0002152, 0.0017550) |
| Kalimantan Utara | Diabetes mellitus                             | 25  | 34.4 (16.1, 65.2)    | 0.001104 (0.0005186, 0.0020945) | 72.2 (32.6, 137.3)  | 0.002588 (0.0011694, 0.0049238) |
| Kalimantan Utara | Chronic kidney disease                        | 25  | 149.7 (77.3, 261.2)  | 0.004813 (0.0024847, 0.0083969) | 68.8 (35.9, 121.4)  | 0.002467 (0.0012874, 0.0043550) |
| Kalimantan Utara | Cirrhosis                                     | 25  | 103.8 (54.6, 174.9)  | 0.003336 (0.0017558, 0.0056227) | 32.1 (10.8, 70.4)   | 0.001151 (0.0003884, 0.0025253) |
| Kalimantan Utara | Chronic respiratory diseases                  | 25  | 99.2 (35.5, 192.2)   | 0.003188 (0.0011420, 0.0061787) | 26.9 (9.2, 57.5)    | 0.000966 (0.0003313, 0.0020615) |
| Kalimantan Utara | Other non-communicable diseases               | 25  | 209.0 (111.0, 329.7) | 0.006719 (0.0035678, 0.0105979) | 94.9 (54.5, 148.0)  | 0.003403 (0.0019535, 0.0053070) |
| Kalimantan Utara | Drowning                                      | 25  | 15.8 (3.9, 40.9)     | 0.000507 (0.0001257, 0.0013135) | 2.8 (0.7, 7.9)      | 0.000101 (0.0000241, 0.0002848) |
| Kalimantan Utara | Falls                                         | 25  | 41.2 (12.7, 119.3)   | 0.001324 (0.0004075, 0.0038363) | 9.7 (2.7, 28.9)     | 0.000347 (0.0000967, 0.0010361) |
| Kalimantan Utara | Interpersonal violence                        | 25  | 57.9 (20.7, 123.5)   | 0.001862 (0.0006662, 0.0039698) | 19.8 (6.3, 43.6)    | 0.000709 (0.0002270, 0.0015637) |
| Kalimantan Utara | Self-harm                                     | 25  | 17.1 (4.5, 42.9)     | 0.000550 (0.0001433, 0.0013784) | 4.9 (1.1, 12.2)     | 0.000175 (0.0000378, 0.0004368) |
| Kalimantan Utara | Transport injuries                            | 25  | 362.6 (178.9, 617.8) | 0.011654 (0.0057513, 0.0198601) | 67.8 (26.2, 134.6)  | 0.002433 (0.0009386, 0.0048275) |
| Kalimantan Utara | Other unintentional injuries                  | 25  | 212.0 (83.4, 396.1)  | 0.006815 (0.0026819, 0.0127322) | 46.0 (15.7, 97.2)   | 0.001651 (0.0005617, 0.0034842) |
| Kalimantan Utara | Diarrheal diseases                            | 30  | 49.9 (12.9, 118.7)   | 0.001722 (0.0004462, 0.0040992) | 18.6 (5.5, 41.4)    | 0.000745 (0.0002221, 0.0016590) |
| Kalimantan Utara | HIV/AIDS                                      | 30  | 56.5 (7.6, 172.0)    | 0.001951 (0.0002622, 0.0059397) | 14.9 (1.6, 47.1)    | 0.000595 (0.0000643, 0.0018838) |
| Kalimantan Utara | Lower respiratory infections                  | 30  | 19.7 (3.1, 53.4)     | 0.000681 (0.0001063, 0.0018434) | 4.5 (0.7, 13.4)     | 0.000180 (0.0000274, 0.0005383) |
| Kalimantan Utara | Malaria                                       | 30  | 10.2 (0.3, 60.2)     | 0.000354 (0.0000111, 0.0020786) | 2.6 (0.1, 16.1)     | 0.000105 (0.0000028, 0.0006430) |
| Kalimantan Utara | Tuberculosis                                  | 30  | 180.1 (66.4, 365.9)  | 0.006222 (0.0022947, 0.0126386) | 36.4 (11.2, 83.5)   | 0.001456 (0.0004467, 0.0033431) |
| Kalimantan Utara | Maternal disorders                            | 30  |                      |                                 | 80.1 (31.6, 150.6)  | 0.003208 (0.0012631, 0.0060303) |
| Kalimantan Utara | Other communicable diseases                   | 30  | 217.0 (99.6, 375.9)  | 0.007496 (0.0034409, 0.0129818) | 58.5 (26.2, 110.4)  | 0.002341 (0.0010505, 0.0044187) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 30  | 70.2 (12.2, 177.2)   | 0.002425 (0.0004206, 0.0061196) | 17.9 (3.5, 48.2)    | 0.000718 (0.0001384, 0.0019131) |
| Kalimantan Utara | Breast cancer                                 | 30  | 0.7 (0.1, 3.0)       | 0.000025 (0.0000023, 0.0001037) | 59.4 (20.8, 122.3)  | 0.002380 (0.0008316, 0.0048948) |
| Kalimantan Utara | Cervical cancer                               | 30  |                      |                                 | 50.2 (8.6, 127.2)   | 0.002009 (0.0003428, 0.0050923) |
| Kalimantan Utara | Other malignant neoplasms                     | 30  | 198.0 (93.8, 371.6)  | 0.006839 (0.0032398, 0.0128340) | 55.3 (14.7, 133.6)  | 0.002212 (0.0005881, 0.0053472) |
| Kalimantan Utara | Cerebrovascular disease                       | 30  | 215.2 (113.5, 345.1) | 0.007431 (0.0039210, 0.0119196) | 96.6 (52.4, 153.0)  | 0.003867 (0.0020991, 0.0061257) |
| Kalimantan Utara | Ischemic heart disease                        | 30  | 270.1 (141.3, 431.1) | 0.009329 (0.0048791, 0.0148892) | 77.0 (35.8, 129.0)  | 0.003081 (0.0014331, 0.0051623) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 30  | 40.6 (11.1, 96.7)    | 0.001402 (0.0003822, 0.0033414) | 21.3 (6.0, 48.6)    | 0.000852 (0.0002407, 0.0019444) |
| Kalimantan Utara | Diabetes mellitus                             | 30  | 49.3 (24.3, 90.4)    | 0.001704 (0.0008391, 0.0031220) | 97.6 (45.8, 171.8)  | 0.003906 (0.0018332, 0.0068790) |
| Kalimantan Utara | Chronic kidney disease                        | 30  | 142.2 (75.5, 241.1)  | 0.004912 (0.0026074, 0.0083291) | 63.4 (33.5, 114.9)  | 0.002538 (0.0013416, 0.0045996) |
| Kalimantan Utara | Cirrhosis                                     | 30  | 118.5 (62.6, 198.7)  | 0.004094 (0.0021638, 0.0068620) | 36.2 (12.0, 79.0)   | 0.001450 (0.0004817, 0.0031613) |
| Kalimantan Utara | Chronic respiratory diseases                  | 30  | 77.5 (28.4, 156.4)   | 0.002677 (0.0009794, 0.0054021) | 23.0 (8.2, 50.0)    | 0.000922 (0.0003281, 0.0020003) |
| Kalimantan Utara | Other non-communicable diseases               | 30  | 182.6 (97.5, 295.9)  | 0.006308 (0.0033687, 0.0102218) | 82.4 (46.7, 128.9)  | 0.003297 (0.0018709, 0.0051619) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females              |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|----------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)        | YLLs per capita (95% UI)        |
| Kalimantan Utara | Drowning                                      | 30  | 16.0 (3.4, 43.8)     | 0.000554 (0.0001159, 0.0015121) | 3.1 (0.6, 8.5)       | 0.000123 (0.0000238, 0.0003390) |
| Kalimantan Utara | Falls                                         | 30  | 43.9 (12.9, 122.7)   | 0.001518 (0.0004442, 0.0042378) | 10.8 (3.0, 30.7)     | 0.000433 (0.0001207, 0.0012279) |
| Kalimantan Utara | Interpersonal violence                        | 30  | 40.9 (13.5, 88.8)    | 0.001411 (0.0004652, 0.0030668) | 14.0 (4.1, 32.5)     | 0.000560 (0.0001652, 0.0013022) |
| Kalimantan Utara | Self-harm                                     | 30  | 11.8 (2.8, 30.1)     | 0.000406 (0.0000960, 0.0010381) | 3.3 (0.7, 8.6)       | 0.000133 (0.0000284, 0.0003448) |
| Kalimantan Utara | Transport injuries                            | 30  | 283.2 (132.9, 501.3) | 0.009783 (0.0045909, 0.0173156) | 53.6 (19.9, 108.0)   | 0.002146 (0.0007974, 0.0043231) |
| Kalimantan Utara | Other unintentional injuries                  | 30  | 176.7 (66.2, 343.4)  | 0.006105 (0.0022875, 0.0118620) | 38.9 (13.0, 83.6)    | 0.001559 (0.0005195, 0.0033472) |
| Kalimantan Utara | Diarrheal diseases                            | 35  | 37.3 (9.8, 87.9)     | 0.001495 (0.0003932, 0.0035189) | 18.7 (5.7, 43.0)     | 0.000905 (0.0002737, 0.0020782) |
| Kalimantan Utara | HIV/AIDS                                      | 35  | 44.9 (5.6, 135.8)    | 0.001799 (0.0002251, 0.0054391) | 13.8 (1.4, 43.6)     | 0.000667 (0.0000695, 0.0021053) |
| Kalimantan Utara | Lower respiratory infections                  | 35  | 18.7 (2.9, 53.2)     | 0.000748 (0.0001174, 0.0021320) | 5.2 (0.8, 15.2)      | 0.000254 (0.0000370, 0.0007349) |
| Kalimantan Utara | Malaria                                       | 35  | 7.8 (0.2, 47.6)      | 0.000311 (0.0000081, 0.0019066) | 2.5 (0.1, 14.1)      | 0.000120 (0.0000029, 0.0006798) |
| Kalimantan Utara | Tuberculosis                                  | 35  | 171.6 (64.0, 345.4)  | 0.006869 (0.0025617, 0.0138278) | 39.5 (11.9, 92.2)    | 0.001910 (0.0005730, 0.0044567) |
| Kalimantan Utara | Maternal disorders                            | 35  |                      |                                 | 58.5 (19.7, 121.3)   | 0.002827 (0.0009539, 0.0058602) |
| Kalimantan Utara | Other communicable diseases                   | 35  | 164.1 (71.2, 294.0)  | 0.006572 (0.0028494, 0.0117720) | 60.7 (28.4, 118.7)   | 0.002933 (0.0013714, 0.0057338) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 35  | 46.8 (7.7, 126.2)    | 0.001872 (0.0003102, 0.0050545) | 19.5 (3.8, 49.4)     | 0.000943 (0.0001860, 0.0023851) |
| Kalimantan Utara | Breast cancer                                 | 35  | 1.2 (0.1, 4.7)       | 0.000048 (0.0000049, 0.0001868) | 70.7 (24.9, 141.9)   | 0.003416 (0.0012029, 0.0068574) |
| Kalimantan Utara | Cervical cancer                               | 35  |                      |                                 | 64.1 (12.3, 147.1)   | 0.003098 (0.0005941, 0.0071092) |
| Kalimantan Utara | Other malignant neoplasms                     | 35  | 235.4 (118.9, 428.8) | 0.009425 (0.0047593, 0.0171693) | 50.8 (12.9, 127.7)   | 0.002452 (0.0006255, 0.0061695) |
| Kalimantan Utara | Cerebrovascular disease                       | 35  | 284.9 (152.6, 452.2) | 0.011408 (0.0061116, 0.0181063) | 132.3 (74.4, 208.1)  | 0.006394 (0.0035955, 0.0100525) |
| Kalimantan Utara | Ischemic heart disease                        | 35  | 322.0 (173.8, 500.3) | 0.012891 (0.0069603, 0.0200314) | 95.6 (46.9, 160.3)   | 0.004617 (0.0022679, 0.0077467) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 35  | 44.4 (12.2, 102.1)   | 0.001779 (0.0004882, 0.0040872) | 23.3 (6.7, 52.5)     | 0.001127 (0.0003247, 0.0025369) |
| Kalimantan Utara | Diabetes mellitus                             | 35  | 80.0 (41.1, 142.4)   | 0.003203 (0.0016449, 0.0057020) | 148.9 (74.6, 251.5)  | 0.007192 (0.0036033, 0.0121538) |
| Kalimantan Utara | Chronic kidney disease                        | 35  | 146.9 (77.9, 258.6)  | 0.005881 (0.0031173, 0.0103544) | 64.5 (33.9, 121.7)   | 0.003115 (0.0016377, 0.0058777) |
| Kalimantan Utara | Cirrhosis                                     | 35  | 128.0 (67.8, 218.8)  | 0.005127 (0.0027151, 0.0087615) | 40.7 (13.7, 87.8)    | 0.001967 (0.0006637, 0.0042420) |
| Kalimantan Utara | Chronic respiratory diseases                  | 35  | 87.0 (31.4, 180.8)   | 0.003485 (0.0012569, 0.0072390) | 22.5 (7.9, 50.8)     | 0.001089 (0.0003806, 0.0024521) |
| Kalimantan Utara | Other non-communicable diseases               | 35  | 160.7 (86.0, 260.8)  | 0.006434 (0.0034438, 0.0104413) | 74.2 (40.5, 120.3)   | 0.003583 (0.0019583, 0.0058103) |
| Kalimantan Utara | Drowning                                      | 35  | 17.3 (4.2, 46.8)     | 0.000693 (0.0001673, 0.0018756) | 4.2 (0.9, 11.9)      | 0.000201 (0.0000435, 0.0005760) |
| Kalimantan Utara | Falls                                         | 35  | 38.6 (11.6, 102.0)   | 0.001544 (0.0004625, 0.0040840) | 11.3 (3.2, 31.1)     | 0.000548 (0.0001564, 0.0015023) |
| Kalimantan Utara | Interpersonal violence                        | 35  | 31.7 (10.0, 73.3)    | 0.001270 (0.0003992, 0.0029335) | 11.3 (3.3, 26.2)     | 0.000548 (0.0001583, 0.0012659) |
| Kalimantan Utara | Self-harm                                     | 35  | 9.8 (2.3, 25.7)      | 0.000393 (0.0000912, 0.0010272) | 2.8 (0.6, 7.3)       | 0.000136 (0.0000280, 0.0003527) |
| Kalimantan Utara | Transport injuries                            | 35  | 204.4 (86.6, 381.3)  | 0.008184 (0.0034682, 0.0152676) | 43.2 (15.3, 89.7)    | 0.002089 (0.0007380, 0.0043353) |
| Kalimantan Utara | Other unintentional injuries                  | 35  | 148.8 (53.6, 295.7)  | 0.005959 (0.0021480, 0.0118391) | 36.0 (11.8, 76.7)    | 0.001740 (0.0005685, 0.0037070) |
| Kalimantan Utara | Diarrheal diseases                            | 40  | 38.1 (9.7, 91.6)     | 0.001863 (0.0004763, 0.0044767) | 21.5 (6.3, 50.0)     | 0.001334 (0.0003872, 0.0030983) |
| Kalimantan Utara | HIV/AIDS                                      | 40  | 20.5 (2.0, 72.9)     | 0.000999 (0.0000985, 0.0035597) | 7.4 (0.7, 26.3)      | 0.000459 (0.0000447, 0.0016263) |
| Kalimantan Utara | Lower respiratory infections                  | 40  | 15.4 (2.5, 44.1)     | 0.000754 (0.0001197, 0.0021541) | 5.6 (0.8, 16.4)      | 0.000346 (0.0000496, 0.0010165) |
| Kalimantan Utara | Malaria                                       | 40  | 7.4 (0.2, 44.6)      | 0.000359 (0.0000100, 0.0021793) | 2.3 (0.1, 14.2)      | 0.000144 (0.0000034, 0.0008801) |
| Kalimantan Utara | Tuberculosis                                  | 40  | 131.9 (45.9, 276.2)  | 0.006446 (0.0022401, 0.0134952) | 33.4 (9.9, 81.4)     | 0.002069 (0.0006109, 0.0050402) |
| Kalimantan Utara | Maternal disorders                            | 40  |                      |                                 | 23.8 (6.6, 60.5)     | 0.001472 (0.0004065, 0.0037451) |
| Kalimantan Utara | Other communicable diseases                   | 40  | 151.4 (65.2, 275.8)  | 0.007395 (0.0031853, 0.0134731) | 65.5 (30.9, 120.8)   | 0.004056 (0.0019108, 0.0074815) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 40  | 69.2 (14.6, 165.7)   | 0.003383 (0.0007154, 0.0080960) | 18.8 (3.9, 45.1)     | 0.001166 (0.0002425, 0.0027931) |
| Kalimantan Utara | Breast cancer                                 | 40  | 2.1 (0.3, 7.8)       | 0.000104 (0.0000144, 0.0003829) | 67.6 (23.3, 139.2)   | 0.004187 (0.0014436, 0.0086189) |
| Kalimantan Utara | Cervical cancer                               | 40  |                      |                                 | 73.5 (15.3, 162.2)   | 0.004551 (0.0009454, 0.0100421) |
| Kalimantan Utara | Other malignant neoplasms                     | 40  | 274.5 (136.5, 500.3) | 0.013409 (0.0066666, 0.0244398) | 41.6 (9.0, 107.0)    | 0.002575 (0.0005572, 0.0066287) |
| Kalimantan Utara | Cerebrovascular disease                       | 40  | 391.7 (217.6, 605.5) | 0.019138 (0.0106318, 0.0295834) | 169.5 (99.5, 261.4)  | 0.010498 (0.0061641, 0.0161899) |
| Kalimantan Utara | Ischemic heart disease                        | 40  | 417.2 (231.1, 634.2) | 0.020380 (0.0112891, 0.0309817) | 113.7 (57.9, 188.8)  | 0.007040 (0.0035880, 0.0116908) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 40  | 54.8 (15.6, 122.9)   | 0.002677 (0.0007629, 0.0060053) | 25.4 (7.1, 58.5)     | 0.001574 (0.0004404, 0.0036238) |
| Kalimantan Utara | Diabetes mellitus                             | 40  | 147.4 (78.1, 252.3)  | 0.007202 (0.0038162, 0.0123253) | 221.6 (126.0, 359.2) | 0.013726 (0.0078001, 0.0222422) |
| Kalimantan Utara | Chronic kidney disease                        | 40  | 166.0 (87.7, 287.1)  | 0.008111 (0.0042824, 0.0140260) | 62.5 (31.9, 114.9)   | 0.003869 (0.0019782, 0.0071161) |
| Kalimantan Utara | Cirrhosis                                     | 40  | 141.2 (75.8, 235.4)  | 0.006898 (0.0037017, 0.0114991) | 42.8 (14.2, 92.1)    | 0.002648 (0.0008773, 0.0057031) |
| Kalimantan Utara | Chronic respiratory diseases                  | 40  | 84.3 (30.7, 171.7)   | 0.004118 (0.0014981, 0.0083878) | 20.3 (7.2, 44.7)     | 0.001258 (0.0004431, 0.0027709) |
| Kalimantan Utara | Other non-communicable diseases               | 40  | 152.9 (78.6, 251.6)  | 0.007468 (0.0038382, 0.0122919) | 64.4 (34.7, 106.7)   | 0.003990 (0.0021466, 0.0066105) |
| Kalimantan Utara | Drowning                                      | 40  | 8.4 (1.8, 23.1)      | 0.000410 (0.0000899, 0.0011275) | 2.5 (0.5, 6.8)       | 0.000154 (0.0000318, 0.0004232) |
| Kalimantan Utara | Falls                                         | 40  | 31.0 (8.6, 83.9)     | 0.001514 (0.0004202, 0.0041006) | 10.3 (2.8, 27.4)     | 0.000638 (0.0001720, 0.0016994) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females              |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|----------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)        | YLLs per capita (95% UI)        |
| Kalimantan Utara | Interpersonal violence                        | 40  | 22.3 (6.8, 53.5)     | 0.001089 (0.0003330, 0.0026132) | 7.1 (2.0, 17.6)      | 0.000438 (0.0001211, 0.0010924) |
| Kalimantan Utara | Self-harm                                     | 40  | 7.8 (1.7, 21.1)      | 0.000380 (0.0000840, 0.0010289) | 1.9 (0.4, 5.2)       | 0.000118 (0.0000235, 0.0003222) |
| Kalimantan Utara | Transport injuries                            | 40  | 151.6 (61.3, 304.6)  | 0.007409 (0.0029956, 0.0148826) | 33.4 (11.2, 73.4)    | 0.002067 (0.0006964, 0.0045450) |
| Kalimantan Utara | Other unintentional injuries                  | 40  | 109.6 (36.1, 228.5)  | 0.005353 (0.0017660, 0.0111636) | 26.0 (7.8, 57.3)     | 0.001610 (0.0004815, 0.0035483) |
| Kalimantan Utara | Diarrheal diseases                            | 45  | 30.9 (8.4, 71.4)     | 0.002110 (0.0005702, 0.0048686) | 24.1 (7.1, 53.4)     | 0.002077 (0.0006146, 0.0046000) |
| Kalimantan Utara | HIV/AIDS                                      | 45  | 8.6 (0.8, 32.5)      | 0.000590 (0.0000540, 0.0022145) | 4.4 (0.4, 16.9)      | 0.000375 (0.0000303, 0.0014525) |
| Kalimantan Utara | Lower respiratory infections                  | 45  | 14.5 (2.1, 40.7)     | 0.000992 (0.0001459, 0.0027777) | 7.7 (1.1, 21.8)      | 0.000662 (0.0000971, 0.0018795) |
| Kalimantan Utara | Malaria                                       | 45  | 5.2 (0.1, 31.0)      | 0.000358 (0.0000094, 0.0021114) | 2.1 (0.0, 12.7)      | 0.000179 (0.0000042, 0.0010932) |
| Kalimantan Utara | Tuberculosis                                  | 45  | 110.4 (38.5, 226.8)  | 0.007529 (0.0026243, 0.0154707) | 36.6 (11.0, 85.8)    | 0.003149 (0.0009504, 0.0073851) |
| Kalimantan Utara | Maternal disorders                            | 45  |                      |                                 | 8.1 (1.7, 22.4)      | 0.000696 (0.0001452, 0.0019275) |
| Kalimantan Utara | Other communicable diseases                   | 45  | 106.7 (41.9, 202.7)  | 0.007280 (0.0028562, 0.0138302) | 65.7 (29.5, 119.7)   | 0.005657 (0.0025369, 0.0103057) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 45  | 64.7 (15.1, 154.1)   | 0.004417 (0.0010323, 0.0105097) | 20.0 (4.3, 48.3)     | 0.001725 (0.0003709, 0.0041618) |
| Kalimantan Utara | Breast cancer                                 | 45  | 2.6 (0.5, 7.8)       | 0.000174 (0.0000325, 0.0005341) | 57.2 (19.1, 123.6)   | 0.004927 (0.0016449, 0.0106422) |
| Kalimantan Utara | Cervical cancer                               | 45  |                      |                                 | 67.3 (14.8, 147.4)   | 0.005794 (0.0012738, 0.0126923) |
| Kalimantan Utara | Other malignant neoplasms                     | 45  | 203.8 (99.3, 389.9)  | 0.013906 (0.0067713, 0.0266002) | 34.0 (7.0, 91.6)     | 0.002932 (0.0006043, 0.0078911) |
| Kalimantan Utara | Cerebrovascular disease                       | 45  | 408.4 (235.9, 612.5) | 0.027858 (0.0160918, 0.0417834) | 210.5 (128.7, 318.1) | 0.018130 (0.0110805, 0.0273944) |
| Kalimantan Utara | Ischemic heart disease                        | 45  | 391.9 (221.0, 589.9) | 0.026737 (0.0150785, 0.0402403) | 125.0 (64.0, 203.0)  | 0.010765 (0.0055141, 0.0174809) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 45  | 52.7 (15.1, 118.2)   | 0.003596 (0.0010274, 0.0080608) | 28.3 (7.9, 64.5)     | 0.002437 (0.0006818, 0.0055509) |
| Kalimantan Utara | Diabetes mellitus                             | 45  | 180.3 (99.4, 297.0)  | 0.012299 (0.0067779, 0.0202574) | 290.4 (169.7, 457.2) | 0.025011 (0.0146097, 0.0393737) |
| Kalimantan Utara | Chronic kidney disease                        | 45  | 137.6 (72.9, 243.2)  | 0.009390 (0.0049754, 0.0165925) | 58.9 (29.6, 110.2)   | 0.005071 (0.0025522, 0.0094878) |
| Kalimantan Utara | Cirrhosis                                     | 45  | 112.0 (60.3, 191.5)  | 0.007638 (0.0041138, 0.0130665) | 41.7 (13.7, 91.4)    | 0.003587 (0.0011788, 0.0078719) |
| Kalimantan Utara | Chronic respiratory diseases                  | 45  | 81.8 (30.4, 165.4)   | 0.005581 (0.0020742, 0.0112822) | 23.3 (8.2, 50.5)     | 0.002005 (0.0007080, 0.0043467) |
| Kalimantan Utara | Other non-communicable diseases               | 45  | 114.9 (58.8, 192.1)  | 0.007838 (0.0040141, 0.0131063) | 57.2 (30.0, 95.9)    | 0.004925 (0.0025867, 0.0082596) |
| Kalimantan Utara | Drowning                                      | 45  | 4.4 (0.9, 13.0)      | 0.000300 (0.0000601, 0.0008839) | 1.9 (0.4, 5.4)       | 0.000166 (0.0000315, 0.0004693) |
| Kalimantan Utara | Falls                                         | 45  | 26.4 (7.4, 70.2)     | 0.001804 (0.0005080, 0.0047860) | 12.2 (3.3, 33.4)     | 0.001052 (0.0002871, 0.0028771) |
| Kalimantan Utara | Interpersonal violence                        | 45  | 14.8 (4.3, 37.6)     | 0.001006 (0.0002936, 0.0025652) | 5.5 (1.4, 13.9)      | 0.000470 (0.0001189, 0.0011927) |
| Kalimantan Utara | Self-harm                                     | 45  | 5.8 (1.2, 15.7)      | 0.000398 (0.0000846, 0.0010736) | 1.6 (0.3, 4.5)       | 0.000139 (0.0000277, 0.0003869) |
| Kalimantan Utara | Transport injuries                            | 45  | 117.6 (42.9, 239.4)  | 0.008021 (0.0029297, 0.0163333) | 33.9 (11.1, 73.8)    | 0.002920 (0.0009531, 0.0063527) |
| Kalimantan Utara | Other unintentional injuries                  | 45  | 79.9 (25.9, 168.2)   | 0.005451 (0.0017669, 0.0114772) | 23.8 (6.9, 54.5)     | 0.002045 (0.0005923, 0.0046931) |
| Kalimantan Utara | Diarrheal diseases                            | 50  | 41.6 (11.6, 96.2)    | 0.003586 (0.0010032, 0.0082930) | 29.7 (9.3, 64.5)     | 0.003393 (0.0010572, 0.0073640) |
| Kalimantan Utara | HIV/AIDS                                      | 50  | 3.3 (0.2, 13.9)      | 0.000288 (0.0000214, 0.0011949) | 1.8 (0.1, 7.7)       | 0.000206 (0.0000159, 0.0008840) |
| Kalimantan Utara | Lower respiratory infections                  | 50  | 16.8 (2.5, 45.9)     | 0.001449 (0.0002178, 0.0039576) | 9.6 (1.4, 27.4)      | 0.001097 (0.0001603, 0.0031305) |
| Kalimantan Utara | Malaria                                       | 50  | 5.2 (0.1, 33.1)      | 0.000448 (0.0000125, 0.0028560) | 1.9 (0.0, 11.2)      | 0.000212 (0.0000048, 0.0012758) |
| Kalimantan Utara | Tuberculosis                                  | 50  | 104.4 (33.7, 225.1)  | 0.009001 (0.0029017, 0.0194094) | 36.2 (10.0, 85.8)    | 0.004136 (0.0011379, 0.0097948) |
| Kalimantan Utara | Maternal disorders                            | 50  |                      |                                 | 3.1 (0.4, 10.8)      | 0.000356 (0.0000505, 0.0012366) |
| Kalimantan Utara | Other communicable diseases                   | 50  | 111.8 (44.3, 210.2)  | 0.009643 (0.0038209, 0.0181223) | 63.7 (27.4, 117.2)   | 0.007268 (0.0031277, 0.0133817) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 50  | 89.8 (24.7, 192.0)   | 0.007746 (0.0021275, 0.0165562) | 19.6 (4.4, 47.8)     | 0.002241 (0.0005029, 0.0054616) |
| Kalimantan Utara | Breast cancer                                 | 50  | 2.5 (0.5, 7.0)       | 0.000214 (0.0000460, 0.0006056) | 41.4 (12.3, 93.6)    | 0.004722 (0.0014048, 0.0106870) |
| Kalimantan Utara | Cervical cancer                               | 50  |                      |                                 | 57.5 (12.1, 127.9)   | 0.006561 (0.0013785, 0.0145954) |
| Kalimantan Utara | Other malignant neoplasms                     | 50  | 170.8 (80.0, 331.2)  | 0.014727 (0.0069007, 0.0285588) | 28.9 (5.8, 80.9)     | 0.003297 (0.0006672, 0.0092341) |
| Kalimantan Utara | Cerebrovascular disease                       | 50  | 511.5 (307.2, 747.8) | 0.044109 (0.0264869, 0.0644806) | 250.6 (155.2, 372.0) | 0.028611 (0.0177198, 0.0424640) |
| Kalimantan Utara | Ischemic heart disease                        | 50  | 435.1 (249.4, 646.6) | 0.037514 (0.0215072, 0.0557518) | 133.1 (67.9, 218.3)  | 0.015188 (0.0077509, 0.0249211) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 50  | 64.6 (18.5, 143.2)   | 0.005570 (0.0015938, 0.0123491) | 32.8 (9.3, 75.7)     | 0.003739 (0.0010563, 0.0086452) |
| Kalimantan Utara | Diabetes mellitus                             | 50  | 224.4 (124.7, 365.4) | 0.019349 (0.0107506, 0.0315051) | 331.3 (199.7, 507.1) | 0.037814 (0.0227965, 0.0578834) |
| Kalimantan Utara | Chronic kidney disease                        | 50  | 134.8 (71.6, 235.9)  | 0.011624 (0.0061735, 0.0203433) | 54.8 (27.2, 102.8)   | 0.006260 (0.0031097, 0.0117366) |
| Kalimantan Utara | Cirrhosis                                     | 50  | 112.5 (60.2, 188.1)  | 0.009697 (0.0051933, 0.0162232) | 40.5 (13.1, 89.9)    | 0.004625 (0.0014999, 0.0102585) |
| Kalimantan Utara | Chronic respiratory diseases                  | 50  | 89.7 (33.3, 184.9)   | 0.007736 (0.0028675, 0.0159402) | 27.8 (10.4, 58.6)    | 0.003173 (0.0011837, 0.0066900) |
| Kalimantan Utara | Other non-communicable diseases               | 50  | 113.6 (57.6, 190.0)  | 0.009795 (0.0049706, 0.0163799) | 53.8 (28.8, 89.8)    | 0.006145 (0.0032876, 0.0102555) |
| Kalimantan Utara | Drowning                                      | 50  | 3.2 (0.6, 9.2)       | 0.000277 (0.0000549, 0.0007893) | 1.4 (0.2, 4.2)       | 0.000157 (0.0000284, 0.0004764) |
| Kalimantan Utara | Falls                                         | 50  | 29.4 (8.4, 77.9)     | 0.002536 (0.0007278, 0.0067169) | 13.0 (3.7, 34.7)     | 0.001481 (0.0004235, 0.0039577) |
| Kalimantan Utara | Interpersonal violence                        | 50  | 10.6 (2.9, 28.0)     | 0.000917 (0.0002539, 0.0024109) | 3.6 (0.9, 10.0)      | 0.000415 (0.0000997, 0.0011455) |
| Kalimantan Utara | Self-harm                                     | 50  | 4.6 (1.0, 13.1)      | 0.000396 (0.0000845, 0.0011292) | 1.2 (0.2, 3.2)       | 0.000132 (0.0000271, 0.0003598) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females              |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|----------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)        | YLLs per capita (95% UI)        |
| Kalimantan Utara | Transport injuries                            | 50  | 90.0 (33.5, 190.3)   | 0.007760 (0.0028923, 0.0164053) | 24.3 (8.1, 54.7)     | 0.002776 (0.0009195, 0.0062448) |
| Kalimantan Utara | Other unintentional injuries                  | 50  | 62.7 (18.9, 137.4)   | 0.005405 (0.0016265, 0.0118483) | 17.3 (4.5, 39.6)     | 0.001979 (0.0005186, 0.0045188) |
| Kalimantan Utara | Diarrheal diseases                            | 55  | 40.6 (11.1, 92.3)    | 0.004784 (0.0013076, 0.0108773) | 29.4 (9.6, 62.7)     | 0.004731 (0.0015404, 0.0100871) |
| Kalimantan Utara | HIV/AIDS                                      | 55  | 1.2 (0.1, 5.6)       | 0.000143 (0.0000109, 0.0006613) | 0.7 (0.1, 3.3)       | 0.000113 (0.0000086, 0.0005376) |
| Kalimantan Utara | Lower respiratory infections                  | 55  | 14.6 (2.3, 40.5)     | 0.001722 (0.0002743, 0.0047712) | 9.5 (1.5, 26.5)      | 0.001521 (0.0002378, 0.0042553) |
| Kalimantan Utara | Malaria                                       | 55  | 4.7 (0.1, 31.8)      | 0.000557 (0.0000144, 0.0037434) | 1.5 (0.0, 9.7)       | 0.000249 (0.0000057, 0.0015668) |
| Kalimantan Utara | Tuberculosis                                  | 55  | 80.8 (23.3, 176.0)   | 0.009528 (0.0027485, 0.0207539) | 28.2 (7.6, 68.6)     | 0.004532 (0.0012289, 0.0110393) |
| Kalimantan Utara | Other communicable diseases                   | 55  | 95.0 (37.3, 177.7)   | 0.011206 (0.0044025, 0.0209490) | 56.9 (24.6, 101.8)   | 0.009149 (0.0039519, 0.0163831) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 55  | 83.1 (22.8, 173.4)   | 0.009797 (0.0026903, 0.0204487) | 15.6 (3.3, 39.5)     | 0.002517 (0.0005316, 0.0063546) |
| Kalimantan Utara | Breast cancer                                 | 55  | 2.1 (0.4, 6.0)       | 0.000242 (0.0000473, 0.0007111) | 28.1 (8.0, 66.8)     | 0.004525 (0.0012811, 0.0107543) |
| Kalimantan Utara | Cervical cancer                               | 55  |                      |                                 | 39.6 (7.7, 93.3)     | 0.006378 (0.0012316, 0.0150150) |
| Kalimantan Utara | Other malignant neoplasms                     | 55  | 123.4 (55.0, 243.7)  | 0.014551 (0.0064792, 0.0287308) | 23.4 (4.8, 66.0)     | 0.003770 (0.0007734, 0.0106191) |
| Kalimantan Utara | Cerebrovascular disease                       | 55  | 537.1 (333.0, 791.9) | 0.063323 (0.0392594, 0.0933581) | 273.2 (172.9, 395.3) | 0.043958 (0.0278216, 0.0636005) |
| Kalimantan Utara | Ischemic heart disease                        | 55  | 445.4 (257.3, 664.8) | 0.052513 (0.0303368, 0.0783747) | 139.9 (71.3, 227.9)  | 0.022509 (0.0114723, 0.0366606) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 55  | 66.9 (19.1, 145.8)   | 0.007890 (0.0022547, 0.0171923) | 33.9 (9.8, 77.5)     | 0.005454 (0.0015761, 0.0124665) |
| Kalimantan Utara | Diabetes mellitus                             | 55  | 220.0 (125.4, 369.5) | 0.025940 (0.0147799, 0.0435648) | 325.7 (194.2, 485.9) | 0.052399 (0.0312461, 0.0781732) |
| Kalimantan Utara | Chronic kidney disease                        | 55  | 121.4 (65.3, 219.4)  | 0.014318 (0.0076938, 0.0258637) | 48.5 (23.7, 91.2)    | 0.007802 (0.0038154, 0.0146722) |
| Kalimantan Utara | Cirrhosis                                     | 55  | 92.4 (48.8, 153.9)   | 0.010895 (0.0057589, 0.0181396) | 35.6 (11.2, 80.5)    | 0.005730 (0.0018050, 0.0129527) |
| Kalimantan Utara | Chronic respiratory diseases                  | 55  | 85.0 (31.8, 182.1)   | 0.010015 (0.0037474, 0.0214646) | 27.8 (10.6, 59.6)    | 0.004475 (0.0017081, 0.0095951) |
| Kalimantan Utara | Other non-communicable diseases               | 55  | 107.3 (54.9, 179.4)  | 0.012652 (0.0064768, 0.0211561) | 52.1 (28.1, 86.5)    | 0.008377 (0.0045157, 0.0139137) |
| Kalimantan Utara | Drowning                                      | 55  | 2.0 (0.4, 6.2)       | 0.000237 (0.0000413, 0.0007296) | 1.0 (0.2, 3.3)       | 0.000168 (0.0000276, 0.0005327) |
| Kalimantan Utara | Falls                                         | 55  | 27.0 (7.8, 70.1)     | 0.003189 (0.0009139, 0.0082605) | 13.5 (4.0, 33.0)     | 0.002170 (0.0006359, 0.0053084) |
| Kalimantan Utara | Interpersonal violence                        | 55  | 7.4 (2.0, 18.0)      | 0.000876 (0.0002339, 0.0021224) | 2.4 (0.6, 6.5)       | 0.000381 (0.0000891, 0.0010492) |
| Kalimantan Utara | Self-harm                                     | 55  | 3.7 (0.8, 10.6)      | 0.000437 (0.0000912, 0.0012457) | 0.8 (0.2, 2.4)       | 0.000135 (0.0000251, 0.0003843) |
| Kalimantan Utara | Transport injuries                            | 55  | 53.1 (17.7, 118.3)   | 0.006261 (0.0020813, 0.0139423) | 15.3 (4.5, 35.4)     | 0.002464 (0.0007167, 0.0056966) |
| Kalimantan Utara | Other unintentional injuries                  | 55  | 45.2 (13.5, 98.8)    | 0.005328 (0.0015954, 0.0116443) | 12.7 (3.2, 30.5)     | 0.002045 (0.0005075, 0.0048991) |
| Kalimantan Utara | Diarrheal diseases                            | 60  | 44.7 (13.4, 95.7)    | 0.008524 (0.0025530, 0.0182378) | 34.0 (11.9, 70.5)    | 0.007902 (0.0027654, 0.0163771) |
| Kalimantan Utara | HIV/AIDS                                      | 60  | 0.8 (0.1, 3.6)       | 0.000154 (0.0000117, 0.0006793) | 0.5 (0.0, 2.2)       | 0.000116 (0.0000080, 0.0005150) |
| Kalimantan Utara | Lower respiratory infections                  | 60  | 20.3 (3.3, 52.3)     | 0.003858 (0.0006246, 0.0099709) | 14.6 (2.5, 38.0)     | 0.003402 (0.0005826, 0.0088354) |
| Kalimantan Utara | Malaria                                       | 60  | 4.3 (0.1, 28.8)      | 0.000816 (0.0000217, 0.0054819) | 1.4 (0.0, 9.0)       | 0.000331 (0.0000074, 0.0020948) |
| Kalimantan Utara | Tuberculosis                                  | 60  | 83.9 (27.7, 180.7)   | 0.015979 (0.0052691, 0.0344235) | 31.7 (8.9, 75.9)     | 0.007370 (0.0020595, 0.0176225) |
| Kalimantan Utara | Other communicable diseases                   | 60  | 79.6 (30.2, 153.1)   | 0.015172 (0.0057455, 0.0291640) | 50.8 (20.7, 95.6)    | 0.011794 (0.0047982, 0.0222007) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 60  | 73.7 (19.1, 160.1)   | 0.014046 (0.0036293, 0.0304892) | 14.9 (2.9, 38.7)     | 0.003452 (0.0006623, 0.0089886) |
| Kalimantan Utara | Breast cancer                                 | 60  | 1.5 (0.3, 4.8)       | 0.000286 (0.0000519, 0.0009053) | 16.6 (4.2, 42.1)     | 0.003852 (0.0009873, 0.0097828) |
| Kalimantan Utara | Cervical cancer                               | 60  |                      |                                 | 29.9 (5.9, 73.3)     | 0.006937 (0.0013717, 0.0170332) |
| Kalimantan Utara | Other malignant neoplasms                     | 60  | 98.6 (43.9, 191.6)   | 0.018787 (0.0083581, 0.0364951) | 20.3 (4.2, 53.7)     | 0.004720 (0.0009750, 0.0124669) |
| Kalimantan Utara | Cerebrovascular disease                       | 60  | 533.5 (341.3, 763.1) | 0.101632 (0.0650175, 0.1453662) | 294.5 (193.7, 414.3) | 0.068411 (0.0450072, 0.0962532) |
| Kalimantan Utara | Ischemic heart disease                        | 60  | 382.0 (220.9, 577.5) | 0.072761 (0.0420702, 0.1100138) | 139.2 (71.0, 224.8)  | 0.032337 (0.0165017, 0.0522160) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 60  | 65.1 (19.1, 142.3)   | 0.012397 (0.0036467, 0.0271027) | 33.8 (9.7, 77.0)     | 0.007859 (0.0022572, 0.0178983) |
| Kalimantan Utara | Diabetes mellitus                             | 60  | 171.8 (95.4, 279.6)  | 0.032726 (0.0181690, 0.0532630) | 286.7 (168.6, 438.1) | 0.066604 (0.0391691, 0.1017837) |
| Kalimantan Utara | Chronic kidney disease                        | 60  | 94.8 (49.6, 169.8)   | 0.018049 (0.0094544, 0.0323526) | 40.3 (19.7, 76.3)    | 0.009366 (0.0045695, 0.0177190) |
| Kalimantan Utara | Cirrhosis                                     | 60  | 74.0 (39.2, 123.2)   | 0.014099 (0.0074763, 0.0234604) | 31.6 (9.9, 72.0)     | 0.007344 (0.0023014, 0.0167189) |
| Kalimantan Utara | Chronic respiratory diseases                  | 60  | 110.4 (45.4, 212.5)  | 0.021032 (0.0086427, 0.0404721) | 36.1 (15.1, 73.9)    | 0.008383 (0.0035105, 0.0171741) |
| Kalimantan Utara | Other non-communicable diseases               | 60  | 108.4 (56.9, 180.1)  | 0.020655 (0.0108400, 0.0343160) | 55.7 (30.7, 89.7)    | 0.012952 (0.0071219, 0.0208433) |
| Kalimantan Utara | Drowning                                      | 60  | 1.7 (0.3, 5.3)       | 0.000322 (0.0000595, 0.0010090) | 1.0 (0.2, 3.3)       | 0.000237 (0.0000361, 0.0007696) |
| Kalimantan Utara | Falls                                         | 60  | 23.6 (6.6, 60.8)     | 0.004486 (0.0012578, 0.0115735) | 12.9 (3.8, 32.2)     | 0.003007 (0.0008788, 0.0074760) |
| Kalimantan Utara | Interpersonal violence                        | 60  | 4.2 (1.1, 11.2)      | 0.000806 (0.0002019, 0.0021354) | 1.4 (0.3, 4.3)       | 0.000326 (0.0000664, 0.0010054) |
| Kalimantan Utara | Self-harm                                     | 60  | 2.3 (0.5, 6.5)       | 0.000439 (0.0000911, 0.0012426) | 0.5 (0.1, 1.6)       | 0.000122 (0.0000209, 0.0003616) |
| Kalimantan Utara | Transport injuries                            | 60  | 43.2 (14.2, 99.3)    | 0.008227 (0.0027010, 0.0189083) | 13.4 (4.0, 31.8)     | 0.003125 (0.0009177, 0.0073765) |
| Kalimantan Utara | Other unintentional injuries                  | 60  | 33.5 (9.7, 76.2)     | 0.006384 (0.0018566, 0.0145075) | 10.0 (2.5, 24.1)     | 0.002312 (0.0005737, 0.0056051) |
| Kalimantan Utara | Diarrheal diseases                            | 65  | 61.0 (21.0, 122.6)   | 0.016256 (0.0055818, 0.0326494) | 36.2 (13.7, 68.8)    | 0.014518 (0.0054902, 0.0276343) |
| Kalimantan Utara | HIV/AIDS                                      | 65  | 0.6 (0.1, 2.5)       | 0.000160 (0.0000152, 0.0006578) | 0.3 (0.0, 1.3)       | 0.000124 (0.0000103, 0.0005287) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                |                                 | Females              |                                 |
|------------------|-----------------------------------------------|-----|----------------------|---------------------------------|----------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)        | YLLs per capita (95% UI)        |
| Kalimantan Utara | Lower respiratory infections                  | 65  | 20.1 (3.5, 53.3)     | 0.005361 (0.0009261, 0.0141937) | 11.6 (2.1, 29.6)     | 0.004657 (0.0008506, 0.0118842) |
| Kalimantan Utara | Malaria                                       | 65  | 3.4 (0.1, 23.3)      | 0.000916 (0.0000236, 0.0062026) | 1.0 (0.0, 6.6)       | 0.000388 (0.0000075, 0.0026402) |
| Kalimantan Utara | Tuberculosis                                  | 65  | 67.0 (19.9, 153.2)   | 0.017850 (0.0052888, 0.0407970) | 22.5 (6.2, 56.5)     | 0.009042 (0.0024981, 0.0226700) |
| Kalimantan Utara | Other communicable diseases                   | 65  | 67.6 (25.8, 132.4)   | 0.018001 (0.0068739, 0.0352536) | 32.7 (13.3, 63.7)    | 0.013139 (0.0053500, 0.0255741) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 65  | 58.3 (14.8, 134.9)   | 0.015518 (0.0039458, 0.0359381) | 9.0 (1.7, 25.4)      | 0.003629 (0.0006941, 0.0101959) |
| Kalimantan Utara | Breast cancer                                 | 65  | 0.9 (0.1, 2.9)       | 0.000227 (0.0000356, 0.0007638) | 8.5 (2.1, 21.7)      | 0.003401 (0.0008404, 0.0087190) |
| Kalimantan Utara | Cervical cancer                               | 65  |                      |                                 | 15.1 (2.6, 38.7)     | 0.006055 (0.0010442, 0.0155249) |
| Kalimantan Utara | Other malignant neoplasms                     | 65  | 63.2 (27.4, 123.9)   | 0.016827 (0.0073026, 0.0330083) | 13.7 (3.0, 35.3)     | 0.005514 (0.0012049, 0.0141572) |
| Kalimantan Utara | Cerebrovascular disease                       | 65  | 485.8 (312.3, 690.8) | 0.129386 (0.0831821, 0.1839873) | 227.9 (151.7, 320.1) | 0.091483 (0.0609000, 0.1285065) |
| Kalimantan Utara | Ischemic heart disease                        | 65  | 316.7 (177.4, 487.3) | 0.084360 (0.0472368, 0.1297913) | 103.1 (53.1, 172.2)  | 0.041409 (0.0212993, 0.0691319) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 65  | 60.6 (18.2, 132.6)   | 0.016128 (0.0048498, 0.0353167) | 27.4 (8.1, 61.8)     | 0.011012 (0.0032718, 0.0248244) |
| Kalimantan Utara | Diabetes mellitus                             | 65  | 116.2 (62.8, 193.9)  | 0.030960 (0.0167143, 0.0516538) | 181.3 (102.4, 283.5) | 0.072807 (0.0411019, 0.1138048) |
| Kalimantan Utara | Chronic kidney disease                        | 65  | 72.5 (37.3, 130.7)   | 0.019299 (0.0099347, 0.0348184) | 27.9 (13.7, 52.7)    | 0.011209 (0.0055001, 0.0211727) |
| Kalimantan Utara | Cirrhosis                                     | 65  | 51.7 (27.2, 89.3)    | 0.013762 (0.0072442, 0.0237725) | 18.6 (5.8, 43.0)     | 0.007465 (0.0023440, 0.0172835) |
| Kalimantan Utara | Chronic respiratory diseases                  | 65  | 103.6 (43.8, 192.4)  | 0.027601 (0.0116767, 0.0512499) | 30.1 (13.3, 60.3)    | 0.012068 (0.0053512, 0.0242220) |
| Kalimantan Utara | Other non-communicable diseases               | 65  | 104.9 (56.0, 169.8)  | 0.027942 (0.0149121, 0.0452277) | 46.4 (26.5, 75.4)    | 0.018637 (0.0106468, 0.0302600) |
| Kalimantan Utara | Drowning                                      | 65  | 1.4 (0.2, 4.2)       | 0.000365 (0.0000637, 0.0011107) | 0.6 (0.1, 1.9)       | 0.000227 (0.0000326, 0.0007488) |
| Kalimantan Utara | Falls                                         | 65  | 23.0 (6.4, 60.6)     | 0.006125 (0.0017121, 0.0161473) | 9.2 (2.8, 23.4)      | 0.003694 (0.0011386, 0.0094102) |
| Kalimantan Utara | Interpersonal violence                        | 65  | 2.5 (0.6, 7.1)       | 0.000673 (0.0001636, 0.0018941) | 0.7 (0.1, 2.3)       | 0.000290 (0.0000589, 0.0009115) |
| Kalimantan Utara | Self-harm                                     | 65  | 1.5 (0.3, 4.5)       | 0.000407 (0.0000808, 0.0012045) | 0.3 (0.1, 0.9)       | 0.000124 (0.0000225, 0.0003625) |
| Kalimantan Utara | Transport injuries                            | 65  | 32.2 (9.6, 75.0)     | 0.008571 (0.0025597, 0.0199765) | 7.6 (1.9, 18.4)      | 0.003071 (0.0007816, 0.0073843) |
| Kalimantan Utara | Other unintentional injuries                  | 65  | 25.9 (7.6, 59.1)     | 0.006887 (0.0020317, 0.0157348) | 6.1 (1.4, 15.6)      | 0.002464 (0.0005757, 0.0062614) |
| Kalimantan Utara | Diarrheal diseases                            | 70  | 53.9 (21.2, 103.3)   | 0.027798 (0.0109199, 0.0532970) | 39.7 (17.4, 72.0)    | 0.024551 (0.0107207, 0.0444719) |
| Kalimantan Utara | HIV/AIDS                                      | 70  | 0.5 (0.0, 2.1)       | 0.000266 (0.0000249, 0.0010961) | 0.3 (0.0, 1.4)       | 0.000204 (0.0000176, 0.0008919) |
| Kalimantan Utara | Lower respiratory infections                  | 70  | 17.0 (3.0, 43.4)     | 0.008763 (0.0015688, 0.0224169) | 12.7 (2.4, 31.1)     | 0.007835 (0.0014522, 0.0191960) |
| Kalimantan Utara | Malaria                                       | 70  | 2.0 (0.0, 13.6)      | 0.001036 (0.0000248, 0.0070143) | 0.7 (0.0, 4.8)       | 0.000424 (0.0000081, 0.0029552) |
| Kalimantan Utara | Tuberculosis                                  | 70  | 44.7 (13.3, 103.4)   | 0.023053 (0.0068679, 0.0533456) | 19.5 (5.3, 49.6)     | 0.012069 (0.0032757, 0.0306583) |
| Kalimantan Utara | Other communicable diseases                   | 70  | 45.3 (17.9, 86.9)    | 0.023354 (0.0092458, 0.0448321) | 27.4 (11.3, 55.0)    | 0.016945 (0.0069909, 0.0339928) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer           | 70  | 33.4 (7.8, 82.0)     | 0.017254 (0.0040239, 0.0422964) | 7.3 (1.3, 21.3)      | 0.004489 (0.0008063, 0.0131692) |
| Kalimantan Utara | Breast cancer                                 | 70  | 0.4 (0.1, 1.4)       | 0.000196 (0.0000270, 0.0007078) | 4.2 (1.0, 11.4)      | 0.002622 (0.0005949, 0.0070379) |
| Kalimantan Utara | Cervical cancer                               | 70  |                      |                                 | 8.0 (1.2, 21.2)      | 0.004918 (0.0007469, 0.0131044) |
| Kalimantan Utara | Other malignant neoplasms                     | 70  | 31.0 (13.2, 61.8)    | 0.015984 (0.0068255, 0.0318926) | 9.0 (2.0, 22.9)      | 0.005556 (0.0012193, 0.0141136) |
| Kalimantan Utara | Cerebrovascular disease                       | 70  | 331.2 (217.0, 465.5) | 0.170870 (0.1119500, 0.2401669) | 207.4 (142.6, 287.5) | 0.128095 (0.0880447, 0.1775774) |
| Kalimantan Utara | Ischemic heart disease                        | 70  | 204.9 (114.6, 315.6) | 0.105728 (0.0591097, 0.1628247) | 95.0 (50.9, 155.9)   | 0.058694 (0.0314201, 0.0962918) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases | 70  | 43.7 (13.1, 93.9)    | 0.022551 (0.0067373, 0.0484530) | 25.4 (7.6, 58.3)     | 0.015695 (0.0047157, 0.0359789) |
| Kalimantan Utara | Diabetes mellitus                             | 70  | 57.3 (30.4, 97.0)    | 0.029566 (0.0157113, 0.0500630) | 126.9 (68.7, 206.4)  | 0.078379 (0.0424259, 0.1274970) |
| Kalimantan Utara | Chronic kidney disease                        | 70  | 41.5 (21.3, 75.5)    | 0.021430 (0.0110147, 0.0389439) | 21.2 (10.4, 40.3)    | 0.013115 (0.0064336, 0.0248935) |
| Kalimantan Utara | Cirrhosis                                     | 70  | 28.9 (15.1, 48.3)    | 0.014886 (0.0078114, 0.0249070) | 14.0 (4.4, 32.7)     | 0.008618 (0.0026925, 0.0202121) |
| Kalimantan Utara | Chronic respiratory diseases                  | 70  | 87.2 (39.9, 156.3)   | 0.045017 (0.0205652, 0.0806610) | 31.3 (14.4, 60.0)    | 0.019355 (0.0088831, 0.0370804) |
| Kalimantan Utara | Other non-communicable diseases               | 70  | 77.0 (42.4, 124.2)   | 0.039719 (0.0218918, 0.0640591) | 44.7 (25.7, 71.5)    | 0.027622 (0.0158824, 0.0441688) |
| Kalimantan Utara | Drowning                                      | 70  | 1.5 (0.3, 4.7)       | 0.000776 (0.0001411, 0.0024444) | 0.8 (0.1, 2.5)       | 0.000491 (0.0000838, 0.0015620) |
| Kalimantan Utara | Falls                                         | 70  | 16.2 (5.1, 39.8)     | 0.008356 (0.0026292, 0.0205265) | 8.3 (2.7, 19.9)      | 0.005141 (0.0016555, 0.0122769) |
| Kalimantan Utara | Interpersonal violence                        | 70  | 1.1 (0.3, 3.2)       | 0.000586 (0.0001296, 0.0016365) | 0.4 (0.1, 1.4)       | 0.000253 (0.0000459, 0.0008565) |
| Kalimantan Utara | Self-harm                                     | 70  | 0.8 (0.2, 2.4)       | 0.000418 (0.0000816, 0.0012396) | 0.2 (0.0, 0.6)       | 0.000127 (0.0000224, 0.0003930) |
| Kalimantan Utara | Transport injuries                            | 70  | 19.5 (5.7, 43.1)     | 0.010071 (0.0029480, 0.0222534) | 5.9 (1.5, 14.0)      | 0.003650 (0.0009446, 0.0086531) |
| Kalimantan Utara | Other unintentional injuries                  | 70  | 16.1 (4.4, 37.2)     | 0.008291 (0.0022753, 0.0191773) | 4.8 (1.1, 11.9)      | 0.002990 (0.0006701, 0.0073659) |
| Kalimantan Utara | Diarrheal diseases                            | 75  | 32.8 (13.3, 61.7)    | 0.033791 (0.0136417, 0.0634621) | 31.7 (14.4, 55.6)    | 0.033020 (0.0150201, 0.0579393) |
| Kalimantan Utara | HIV/AIDS                                      | 75  | 0.2 (0.0, 0.9)       | 0.000215 (0.0000178, 0.0009297) | 0.2 (0.0, 0.8)       | 0.000181 (0.0000146, 0.0008338) |
| Kalimantan Utara | Lower respiratory infections                  | 75  | 9.1 (1.6, 23.0)      | 0.009316 (0.0016232, 0.0236711) | 8.9 (1.7, 21.6)      | 0.009229 (0.0017237, 0.0225314) |
| Kalimantan Utara | Malaria                                       | 75  | 1.2 (0.0, 7.8)       | 0.001192 (0.0000255, 0.0080363) | 0.5 (0.0, 3.2)       | 0.000536 (0.0000110, 0.0033571) |
| Kalimantan Utara | Tuberculosis                                  | 75  | 21.5 (6.2, 52.4)     | 0.022091 (0.0063752, 0.0539119) | 12.2 (3.2, 32.3)     | 0.012670 (0.0033593, 0.0336674) |
| Kalimantan Utara | Other communicable diseases                   | 75  | 21.8 (8.2, 44.7)     | 0.022470 (0.0083943, 0.0460229) | 17.4 (6.8, 35.7)     | 0.018149 (0.0070595, 0.0372607) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|------------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer                      | 75  | 16.0 (3.6, 39.1)           | 0.016425 (0.0037353, 0.0402024) | 4.2 (0.7, 12.4)            | 0.004391 (0.0007809, 0.0129642) |
| Kalimantan Utara | Breast cancer                                            | 75  | 0.1 (0.0, 0.5)             | 0.000142 (0.0000194, 0.0005379) | 2.2 (0.5, 6.0)             | 0.002327 (0.0005176, 0.0062914) |
| Kalimantan Utara | Cervical cancer                                          | 75  |                            |                                 | 3.7 (0.5, 10.3)            | 0.003894 (0.0004955, 0.0107216) |
| Kalimantan Utara | Other malignant neoplasms                                | 75  | 12.6 (5.4, 25.3)           | 0.012954 (0.0055343, 0.0259990) | 5.9 (1.5, 14.2)            | 0.006163 (0.0015766, 0.0148375) |
| Kalimantan Utara | Cerebrovascular disease                                  | 75  | 179.0 (115.9, 251.3)       | 0.184187 (0.1192217, 0.2586356) | 152.6 (106.8, 211.2)       | 0.159089 (0.1113361, 0.2200922) |
| Kalimantan Utara | Ischemic heart disease                                   | 75  | 124.8 (69.5, 188.9)        | 0.128401 (0.0715261, 0.1943516) | 78.0 (43.5, 123.1)         | 0.081339 (0.0452937, 0.1282737) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 75  | 24.6 (7.4, 51.8)           | 0.025312 (0.0075674, 0.0533377) | 19.5 (5.8, 43.6)           | 0.020296 (0.0060192, 0.0454298) |
| Kalimantan Utara | Diabetes mellitus                                        | 75  | 26.7 (14.2, 45.7)          | 0.027441 (0.0145607, 0.0470443) | 82.5 (43.5, 137.3)         | 0.086021 (0.0453765, 0.1430559) |
| Kalimantan Utara | Chronic kidney disease                                   | 75  | 21.0 (10.9, 38.0)          | 0.021599 (0.0111702, 0.0390695) | 14.5 (7.3, 27.3)           | 0.015112 (0.0075882, 0.0284210) |
| Kalimantan Utara | Cirrhosis                                                | 75  | 13.4 (7.1, 22.5)           | 0.013776 (0.0073481, 0.0231342) | 8.8 (2.7, 20.4)            | 0.009189 (0.0028130, 0.0212652) |
| Kalimantan Utara | Chronic respiratory diseases                             | 75  | 47.2 (22.4, 85.0)          | 0.048589 (0.0230849, 0.0874276) | 23.0 (11.0, 43.3)          | 0.023977 (0.0115005, 0.0451438) |
| Kalimantan Utara | Other non-communicable diseases                          | 75  | 48.0 (27.1, 76.2)          | 0.049398 (0.0278564, 0.0784561) | 37.9 (22.0, 59.3)          | 0.039527 (0.0229633, 0.0617715) |
| Kalimantan Utara | Drowning                                                 | 75  | 1.0 (0.2, 3.3)             | 0.001013 (0.0001904, 0.0033520) | 0.7 (0.1, 2.1)             | 0.000696 (0.0001208, 0.0021485) |
| Kalimantan Utara | Falls                                                    | 75  | 9.4 (3.2, 21.9)            | 0.009677 (0.0032780, 0.0225205) | 6.2 (2.2, 14.0)            | 0.006503 (0.0023031, 0.0145437) |
| Kalimantan Utara | Interpersonal violence                                   | 75  | 0.5 (0.1, 1.6)             | 0.000500 (0.0000940, 0.0016375) | 0.2 (0.0, 0.8)             | 0.000228 (0.0000397, 0.0007845) |
| Kalimantan Utara | Self-harm                                                | 75  | 0.4 (0.1, 1.3)             | 0.000446 (0.0000895, 0.0013372) | 0.1 (0.0, 0.4)             | 0.000144 (0.0000259, 0.0004403) |
| Kalimantan Utara | Transport injuries                                       | 75  | 7.5 (2.1, 17.5)            | 0.007704 (0.0021388, 0.0179595) | 2.9 (0.7, 7.3)             | 0.003032 (0.0007562, 0.0076530) |
| Kalimantan Utara | Other unintentional injuries                             | 75  | 8.1 (2.2, 19.0)            | 0.008354 (0.0022776, 0.0195982) | 3.1 (0.7, 7.8)             | 0.003267 (0.0007542, 0.0081810) |
| Kalimantan Utara | Diarrheal diseases                                       | 80  | 52.6 (26.6, 86.8)          | 0.090292 (0.0455849, 0.1489001) | 58.1 (30.9, 92.3)          | 0.096963 (0.0516258, 0.1541333) |
| Kalimantan Utara | HIV/AIDS                                                 | 80  | 0.2 (0.0, 0.9)             | 0.000348 (0.0000237, 0.0015424) | 0.2 (0.0, 0.9)             | 0.000333 (0.0000204, 0.0015673) |
| Kalimantan Utara | Lower respiratory infections                             | 80  | 10.8 (2.0, 27.2)           | 0.018503 (0.0033542, 0.0466888) | 13.1 (2.7, 30.4)           | 0.021851 (0.0044853, 0.0507946) |
| Kalimantan Utara | Malaria                                                  | 80  | 1.1 (0.0, 8.2)             | 0.001959 (0.0000415, 0.0140682) | 0.6 (0.0, 3.6)             | 0.000939 (0.0000169, 0.0060568) |
| Kalimantan Utara | Tuberculosis                                             | 80  | 17.9 (4.9, 44.3)           | 0.030656 (0.0083904, 0.0760552) | 12.5 (3.1, 33.8)           | 0.020946 (0.0051471, 0.0564272) |
| Kalimantan Utara | Other communicable diseases                              | 80  | 25.1 (9.6, 50.2)           | 0.043106 (0.0164623, 0.0860208) | 23.2 (9.1, 47.7)           | 0.038757 (0.0151731, 0.0795900) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer                      | 80  | 12.5 (2.5, 31.6)           | 0.021472 (0.0043653, 0.0542147) | 4.7 (0.6, 15.0)            | 0.007796 (0.0010342, 0.0251226) |
| Kalimantan Utara | Breast cancer                                            | 80  | 0.1 (0.0, 0.3)             | 0.000143 (0.0000171, 0.0005603) | 1.3 (0.2, 3.8)             | 0.002121 (0.0003934, 0.0062784) |
| Kalimantan Utara | Cervical cancer                                          | 80  |                            |                                 | 2.4 (0.3, 7.2)             | 0.004021 (0.0004321, 0.0119509) |
| Kalimantan Utara | Other malignant neoplasms                                | 80  | 9.3 (4.0, 18.9)            | 0.015976 (0.0067846, 0.0324089) | 4.4 (1.2, 10.9)            | 0.007403 (0.0019353, 0.0181881) |
| Kalimantan Utara | Cerebrovascular disease                                  | 80  | 181.9 (125.0, 244.0)       | 0.311985 (0.2144496, 0.4185778) | 187.7 (134.8, 250.1)       | 0.313370 (0.2249805, 0.4175096) |
| Kalimantan Utara | Ischemic heart disease                                   | 80  | 113.7 (64.6, 170.0)        | 0.195002 (0.1108603, 0.2915704) | 96.1 (54.7, 147.5)         | 0.160483 (0.0912785, 0.2462422) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | 80  | 22.3 (6.7, 48.7)           | 0.038192 (0.0114938, 0.0834751) | 19.9 (5.8, 47.0)           | 0.033179 (0.0097006, 0.0784997) |
| Kalimantan Utara | Diabetes mellitus                                        | 80  | 20.5 (10.8, 34.8)          | 0.035121 (0.0185865, 0.0596791) | 79.1 (39.3, 131.0)         | 0.132109 (0.0656543, 0.2186915) |
| Kalimantan Utara | Chronic kidney disease                                   | 80  | 16.1 (8.4, 29.1)           | 0.027700 (0.0143504, 0.0499024) | 13.3 (6.6, 24.5)           | 0.022193 (0.0110357, 0.0409490) |
| Kalimantan Utara | Cirrhosis                                                | 80  | 11.7 (6.2, 19.8)           | 0.020116 (0.0106442, 0.0339984) | 9.4 (2.9, 22.1)            | 0.015731 (0.0048281, 0.0368166) |
| Kalimantan Utara | Chronic respiratory diseases                             | 80  | 46.8 (23.4, 80.5)          | 0.080269 (0.0401745, 0.1381214) | 24.1 (10.8, 45.7)          | 0.040180 (0.0181050, 0.0762431) |
| Kalimantan Utara | Other non-communicable diseases                          | 80  | 52.8 (30.8, 79.5)          | 0.090568 (0.0528764, 0.1363913) | 48.9 (28.6, 76.5)          | 0.081685 (0.0477092, 0.1276339) |
| Kalimantan Utara | Drowning                                                 | 80  | 1.2 (0.2, 3.9)             | 0.002023 (0.0003012, 0.0067532) | 1.0 (0.1, 3.3)             | 0.001626 (0.0002298, 0.0055020) |
| Kalimantan Utara | Falls                                                    | 80  | 13.5 (4.9, 29.7)           | 0.023111 (0.0084217, 0.0509706) | 10.5 (3.9, 23.1)           | 0.017610 (0.0065489, 0.0385848) |
| Kalimantan Utara | Interpersonal violence                                   | 80  | 0.3 (0.0, 1.3)             | 0.000564 (0.0000727, 0.0021761) | 0.2 (0.0, 0.7)             | 0.000283 (0.0000333, 0.0011807) |
| Kalimantan Utara | Self-harm                                                | 80  | 0.3 (0.1, 1.0)             | 0.000575 (0.0001059, 0.0016712) | 0.1 (0.0, 0.4)             | 0.000200 (0.0000305, 0.0006753) |
| Kalimantan Utara | Transport injuries                                       | 80  | 6.8 (1.7, 16.6)            | 0.011600 (0.0029207, 0.0284193) | 3.1 (0.6, 8.5)             | 0.005133 (0.0010601, 0.0141516) |
| Kalimantan Utara | Other unintentional injuries                             | 80  | 7.5 (1.9, 19.3)            | 0.012788 (0.0032269, 0.0331225) | 3.3 (0.7, 9.3)             | 0.005551 (0.0011200, 0.0155869) |
| Kalimantan Utara | Diarrheal diseases                                       | All | 1,015.0 (380.5, 2,026.2)   | 0.003411 (0.0012788, 0.0068100) | 810.2 (342.4, 1,488.6)     | 0.003075 (0.0012996, 0.0056496) |
| Kalimantan Utara | HIV/AIDS                                                 | All | 298.8 (40.8, 967.9)        | 0.001004 (0.0001372, 0.0032531) | 117.0 (15.1, 386.8)        | 0.000444 (0.0000574, 0.0014678) |
| Kalimantan Utara | Lower respiratory infections                             | All | 1,153.4 (462.8, 2,193.9)   | 0.003876 (0.0015554, 0.0073734) | 718.2 (292.7, 1,376.5)     | 0.002726 (0.0011110, 0.0052242) |
| Kalimantan Utara | Malaria                                                  | All | 91.8 (2.7, 538.4)          | 0.000309 (0.0000091, 0.0018096) | 35.5 (0.9, 216.2)          | 0.000135 (0.0000035, 0.0008207) |
| Kalimantan Utara | Tuberculosis                                             | All | 1,505.4 (531.9, 3,159.3)   | 0.005059 (0.0017875, 0.0106180) | 489.9 (149.8, 1,135.0)     | 0.001859 (0.0005684, 0.0043074) |
| Kalimantan Utara | Maternal disorders                                       | All |                            |                                 | 349.5 (122.2, 707.2)       | 0.001327 (0.0004638, 0.0026841) |
| Kalimantan Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 1,017.8 (378.0, 2,039.9)   | 0.003421 (0.0012703, 0.0068560) | 676.7 (257.0, 1,428.7)     | 0.002568 (0.0009753, 0.0054223) |
| Kalimantan Utara | Preterm birth complications                              | All | 2,856.8 (1,186.5, 5,072.9) | 0.009601 (0.0039877, 0.0170496) | 2,477.1 (1,103.5, 4,440.6) | 0.009401 (0.0041880, 0.0168528) |
| Kalimantan Utara | Other neonatal disorders                                 | All | 822.6 (177.7, 2,183.2)     | 0.002765 (0.0005974, 0.0073376) | 539.0 (96.8, 1,487.0)      | 0.002046 (0.0003672, 0.0056433) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males         |                     |                          |                         | Females       |                     |                          |                        |
|------------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|-------------------------|---------------|---------------------|--------------------------|------------------------|
|                  |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Kalimantan Utara | Other communicable diseases                              | All | 3,326.8       | (1,877.4, 5,189.7)  | 0.011181                 | (0.0063096, 0.0174421)  | 1,821.4       | (1,077.9, 2,877.7)  | 0.006913                 | (0.0040908, 0.0109214) |
| Kalimantan Utara | Tracheal, bronchus, and lung cancer                      | All | 721.3         | (170.2, 1,704.2)    | 0.002424                 | (0.0005719, 0.0057276)  | 195.1         | (40.9, 485.7)       | 0.000740                 | (0.0001552, 0.0018434) |
| Kalimantan Utara | Breast cancer                                            | All | 16.1          | (3.2, 47.7)         | 0.000054                 | (0.0000106, 0.0001603)  | 439.3         | (150.3, 927.0)      | 0.001667                 | (0.0005704, 0.0035180) |
| Kalimantan Utara | Cervical cancer                                          | All |               |                     |                          |                         | 489.5         | (91.7, 1,157.1)     | 0.001858                 | (0.0003481, 0.0043914) |
| Kalimantan Utara | Other malignant neoplasms                                | All | 2,088.6       | (1,002.2, 3,899.1)  | 0.007020                 | (0.0033684, 0.0131044)  | 699.1         | (281.7, 1,475.4)    | 0.002653                 | (0.0010690, 0.0055995) |
| Kalimantan Utara | Cerebrovascular disease                                  | All | 4,435.8       | (2,662.3, 6,502.1)  | 0.014908                 | (0.0089477, 0.0218527)  | 2,442.5       | (1,565.9, 3,567.4)  | 0.009270                 | (0.0059429, 0.0135389) |
| Kalimantan Utara | Ischemic heart disease                                   | All | 3,839.0       | (2,165.2, 5,836.3)  | 0.012903                 | (0.0072770, 0.0196153)  | 1,372.1       | (707.5, 2,214.1)    | 0.005207                 | (0.0026850, 0.0084030) |
| Kalimantan Utara | Other cardiovascular and circulatory diseases            | All | 663.6         | (194.7, 1,469.3)    | 0.002230                 | (0.0006544, 0.0049381)  | 381.1         | (113.6, 864.7)      | 0.001446                 | (0.0004311, 0.0032816) |
| Kalimantan Utara | Diabetes mellitus                                        | All | 1,387.9       | (756.6, 2,341.4)    | 0.004664                 | (0.0025430, 0.0078690)  | 2,445.3       | (1,385.1, 3,882.1)  | 0.009280                 | (0.0052567, 0.0147331) |
| Kalimantan Utara | Chronic kidney disease                                   | All | 1,536.1       | (822.6, 2,677.3)    | 0.005163                 | (0.0027647, 0.0089980)  | 759.6         | (401.9, 1,345.9)    | 0.002883                 | (0.0015251, 0.0051081) |
| Kalimantan Utara | Cirrhosis                                                | All | 1,178.4       | (624.5, 1,962.6)    | 0.003960                 | (0.0020988, 0.0065959)  | 439.3         | (143.8, 963.5)      | 0.001667                 | (0.0005458, 0.0036568) |
| Kalimantan Utara | Chronic respiratory diseases                             | All | 1,204.3       | (499.9, 2,278.4)    | 0.004048                 | (0.0016802, 0.0076574)  | 395.5         | (163.5, 815.9)      | 0.001501                 | (0.0006204, 0.0030966) |
| Kalimantan Utara | Other non-communicable diseases                          | All | 3,647.1       | (2,233.1, 5,373.5)  | 0.012258                 | (0.0075051, 0.0180596)  | 2,712.4       | (1,693.5, 3,958.5)  | 0.010294                 | (0.0064272, 0.0150232) |
| Kalimantan Utara | Drowning                                                 | All | 478.0         | (160.4, 1,030.7)    | 0.001607                 | (0.0005393, 0.0034641)  | 132.3         | (40.0, 315.9)       | 0.000502                 | (0.0001517, 0.0011990) |
| Kalimantan Utara | Falls                                                    | All | 528.6         | (174.1, 1,339.3)    | 0.001777                 | (0.0005851, 0.0045011)  | 199.4         | (64.1, 499.4)       | 0.000757                 | (0.0002431, 0.0018954) |
| Kalimantan Utara | Interpersonal violence                                   | All | 371.0         | (133.2, 802.0)      | 0.001247                 | (0.0004478, 0.0026956)  | 171.9         | (56.3, 386.3)       | 0.000652                 | (0.0002138, 0.0014659) |
| Kalimantan Utara | Self-harm                                                | All | 103.7         | (27.4, 258.7)       | 0.000349                 | (0.0000920, 0.0008694)  | 37.0          | (8.7, 95.2)         | 0.000141                 | (0.0000332, 0.0003614) |
| Kalimantan Utara | Transport injuries                                       | All | 2,939.5       | (1,517.6, 4,931.6)  | 0.009880                 | (0.0051003, 0.0165745)  | 772.8         | (330.7, 1,431.7)    | 0.002933                 | (0.0012549, 0.0054336) |
| Kalimantan Utara | Other unintentional injuries                             | All | 1,865.8       | (721.0, 3,507.7)    | 0.006271                 | (0.0024231, 0.0117891)  | 555.8         | (187.6, 1,133.9)    | 0.002109                 | (0.0007120, 0.0043034) |
| Sulawesi Utara   | Diarrheal diseases                                       | NN  | 354.8         | (120.0, 751.8)      | 0.208035                 | (0.0703359, 0.4407313)  | 286.7         | (100.6, 632.1)      | 0.172881                 | (0.0606413, 0.3810751) |
| Sulawesi Utara   | Lower respiratory infections                             | NN  | 3,135.2       | (1,330.9, 5,799.5)  | 1.838049                 | (0.7802850, 3.4000680)  | 1,848.8       | (829.3, 3,581.4)    | 1.114632                 | (0.4999600, 2.1592050) |
| Sulawesi Utara   | Malaria                                                  | NN  | 14.1          | (1.0, 61.9)         | 0.008264                 | (0.0005730, 0.0362757)  | 8.6           | (0.6, 40.0)         | 0.005178                 | (0.0003587, 0.0241157) |
| Sulawesi Utara   | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 8,315.5       | (3,415.4, 15,651.6) | 4.875092                 | (2.0023229, 9.1759777)  | 5,438.1       | (2,125.8, 10,626.7) | 3.278596                 | (1.2816420, 6.4067941) |
| Sulawesi Utara   | Preterm birth complications                              | NN  | 9,577.1       | (3,701.7, 17,674.2) | 5.614714                 | (2.1702001, 10.3617201) | 8,287.1       | (3,309.2, 15,737.4) | 4.996296                 | (1.9951290, 9.4880362) |
| Sulawesi Utara   | Other neonatal disorders                                 | NN  | 10,348.5      | (3,514.9, 20,450.3) | 6.066935                 | (2.0606861, 11.9892902) | 6,737.9       | (2,051.6, 14,423.6) | 4.062251                 | (1.2368820, 8.6959743) |
| Sulawesi Utara   | Other communicable diseases                              | NN  | 383.6         | (132.2, 842.2)      | 0.224875                 | (0.0775029, 0.4937681)  | 214.5         | (71.9, 501.5)       | 0.129314                 | (0.0433656, 0.3023511) |
| Sulawesi Utara   | Other malignant neoplasms                                | NN  | 785.4         | (301.2, 1,634.7)    | 0.460428                 | (0.1766021, 0.9583845)  | 621.2         | (227.2, 1,272.3)    | 0.374506                 | (0.1369716, 0.7670481) |
| Sulawesi Utara   | Cerebrovascular disease                                  | NN  | 127.7         | (30.6, 336.9)       | 0.074892                 | (0.0179662, 0.1975168)  | 128.1         | (32.6, 321.6)       | 0.077220                 | (0.0196245, 0.1938670) |
| Sulawesi Utara   | Other cardiovascular and circulatory diseases            | NN  | 82.7          | (18.0, 219.0)       | 0.048475                 | (0.0105416, 0.1283837)  | 79.3          | (16.5, 219.0)       | 0.047786                 | (0.0099234, 0.1320140) |
| Sulawesi Utara   | Diabetes mellitus                                        | NN  | 33.3          | (0.2, 277.1)        | 0.019509                 | (0.0001004, 0.1624282)  | 53.3          | (0.3, 385.8)        | 0.032157                 | (0.0001695, 0.2325906) |
| Sulawesi Utara   | Other non-communicable diseases                          | NN  | 7,176.2       | (3,505.0, 11,863.9) | 4.207144                 | (2.0548360, 6.9553661)  | 6,389.1       | (3,108.3, 10,998.7) | 3.851962                 | (1.8739860, 6.6311040) |
| Sulawesi Utara   | Drowning                                                 | NN  | 470.1         | (100.2, 1,244.0)    | 0.275620                 | (0.0587724, 0.7292992)  | 116.8         | (21.3, 347.9)       | 0.070394                 | (0.0128247, 0.2097238) |
| Sulawesi Utara   | Falls                                                    | NN  | 169.5         | (42.5, 393.9)       | 0.099383                 | (0.0249102, 0.2309329)  | 56.9          | (13.2, 147.4)       | 0.034329                 | (0.0079501, 0.0888930) |
| Sulawesi Utara   | Interpersonal violence                                   | NN  | 128.3         | (34.7, 320.8)       | 0.075247                 | (0.0203164, 0.1880724)  | 75.9          | (19.0, 185.6)       | 0.045771                 | (0.0114618, 0.1118992) |
| Sulawesi Utara   | Transport injuries                                       | NN  | 693.3         | (210.8, 1,503.8)    | 0.406432                 | (0.1235733, 0.8816205)  | 173.9         | (52.5, 402.0)       | 0.104826                 | (0.0316395, 0.2423386) |
| Sulawesi Utara   | Other unintentional injuries                             | NN  | 1,133.5       | (415.6, 2,313.3)    | 0.664539                 | (0.2436619, 1.3562080)  | 376.7         | (135.2, 762.1)      | 0.227142                 | (0.0814886, 0.4594735) |
| Sulawesi Utara   | Diarrheal diseases                                       | PNN | 137.5         | (57.6, 259.4)       | 0.006456                 | (0.0027077, 0.0121853)  | 163.8         | (71.3, 313.4)       | 0.007913                 | (0.0034447, 0.0151390) |
| Sulawesi Utara   | HIV/AIDS                                                 | PNN | 6.3           | (0.8, 22.4)         | 0.000296                 | (0.0000365, 0.0010499)  | 5.4           | (0.6, 18.9)         | 0.000259                 | (0.0000305, 0.0009140) |
| Sulawesi Utara   | Lower respiratory infections                             | PNN | 89.3          | (39.6, 159.1)       | 0.004194                 | (0.0018616, 0.0074712)  | 74.2          | (34.5, 140.4)       | 0.003583                 | (0.0016665, 0.0067826) |
| Sulawesi Utara   | Malaria                                                  | PNN | 5.2           | (0.4, 22.9)         | 0.000246                 | (0.0000207, 0.0010772)  | 4.7           | (0.4, 19.7)         | 0.000225                 | (0.0000206, 0.0009500) |
| Sulawesi Utara   | Tuberculosis                                             | PNN | 11.8          | (3.6, 26.9)         | 0.000554                 | (0.0001707, 0.0012624)  | 10.6          | (3.4, 24.7)         | 0.000512                 | (0.0001625, 0.0011918) |
| Sulawesi Utara   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 6.7           | (1.6, 18.3)         | 0.000317                 | (0.0000740, 0.0008581)  | 6.0           | (1.4, 17.6)         | 0.000291                 | (0.0000691, 0.0008487) |
| Sulawesi Utara   | Preterm birth complications                              | PNN | 23.0          | (6.2, 57.4)         | 0.001079                 | (0.0002913, 0.0026960)  | 30.5          | (7.9, 78.1)         | 0.001476                 | (0.0003807, 0.0037719) |
| Sulawesi Utara   | Other neonatal disorders                                 | PNN | 45.9          | (8.7, 127.8)        | 0.002158                 | (0.0004065, 0.0060031)  | 40.4          | (7.5, 120.9)        | 0.001950                 | (0.0003633, 0.0058417) |
| Sulawesi Utara   | Other communicable diseases                              | PNN | 165.4         | (76.9, 297.2)       | 0.007767                 | (0.0036115, 0.0139613)  | 136.5         | (56.9, 252.2)       | 0.006592                 | (0.0027493, 0.0121797) |
| Sulawesi Utara   | Other malignant neoplasms                                | PNN | 11.2          | (4.4, 22.5)         | 0.000525                 | (0.0002073, 0.0010564)  | 12.1          | (4.7, 25.2)         | 0.000584                 | (0.0002270, 0.0012192) |
| Sulawesi Utara   | Cerebrovascular disease                                  | PNN | 1.8           | (0.5, 4.7)          | 0.000086                 | (0.0000222, 0.0002187)  | 2.5           | (0.7, 6.2)          | 0.000122                 | (0.0000324, 0.0002985) |
| Sulawesi Utara   | Ischemic heart disease                                   | PNN | 0.6           | (0.0, 2.8)          | 0.000029                 | (0.0000019, 0.0001324)  | 0.8           | (0.1, 4.1)          | 0.000041                 | (0.0000028, 0.0001974) |
| Sulawesi Utara   | Other cardiovascular and circulatory diseases            | PNN | 1.2           | (0.3, 3.3)          | 0.000056                 | (0.0000123, 0.0001561)  | 1.5           | (0.4, 4.2)          | 0.000075                 | (0.0000182, 0.0002025) |
| Sulawesi Utara   | Diabetes mellitus                                        | PNN | 0.5           | (0.0, 3.6)          | 0.000022                 | (0.0000001, 0.0001713)  | 1.0           | (0.0, 8.4)          | 0.000050                 | (0.0000003, 0.0004042) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                 | Females                  |                                 |
|----------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Sulawesi Utara | Chronic kidney disease                                   | PNN | 10.7 (3.8, 23.4)           | 0.000503 (0.0001804, 0.0011014) | 11.7 (3.9, 26.5)         | 0.000567 (0.0001885, 0.0012824) |
| Sulawesi Utara | Other non-communicable diseases                          | PNN | 101.8 (48.0, 173.7)        | 0.004784 (0.0022546, 0.0081606) | 123.8 (58.8, 220.6)      | 0.005979 (0.0028385, 0.0106541) |
| Sulawesi Utara | Drowning                                                 | PNN | 8.4 (1.9, 21.5)            | 0.000396 (0.0000875, 0.0010107) | 2.9 (0.6, 8.3)           | 0.000139 (0.0000277, 0.0004019) |
| Sulawesi Utara | Falls                                                    | PNN | 2.9 (0.8, 6.8)             | 0.000136 (0.0000380, 0.0003183) | 1.3 (0.4, 3.1)           | 0.000064 (0.0000177, 0.0001511) |
| Sulawesi Utara | Interpersonal violence                                   | PNN | 2.2 (0.6, 5.5)             | 0.000102 (0.0000289, 0.0002564) | 1.7 (0.5, 4.2)           | 0.000084 (0.0000235, 0.0002010) |
| Sulawesi Utara | Transport injuries                                       | PNN | 12.3 (4.1, 26.2)           | 0.000576 (0.0001915, 0.0012285) | 4.2 (1.4, 9.9)           | 0.000203 (0.0000653, 0.0004779) |
| Sulawesi Utara | Other unintentional injuries                             | PNN | 19.1 (7.6, 36.0)           | 0.000898 (0.0003565, 0.0016918) | 8.7 (3.3, 17.1)          | 0.000420 (0.0001607, 0.0008249) |
| Sulawesi Utara | Diarrheal diseases                                       | 1   | 1,254.6 (415.8, 2,760.4)   | 0.013957 (0.0046259, 0.0307085) | 1,148.4 (421.6, 2,300.7) | 0.013339 (0.0048968, 0.0267228) |
| Sulawesi Utara | HIV/AIDS                                                 | 1   | 131.7 (15.2, 497.9)        | 0.001465 (0.0001691, 0.0055387) | 87.0 (10.4, 319.5)       | 0.001011 (0.0001203, 0.0037115) |
| Sulawesi Utara | Lower respiratory infections                             | 1   | 1,857.8 (691.1, 4,074.8)   | 0.020668 (0.0076878, 0.0453312) | 1,215.5 (480.4, 2,553.0) | 0.014118 (0.0055804, 0.0296537) |
| Sulawesi Utara | Malaria                                                  | 1   | 40.7 (2.9, 198.2)          | 0.000452 (0.0000321, 0.0022050) | 27.1 (2.0, 128.8)        | 0.000314 (0.0000238, 0.0014957) |
| Sulawesi Utara | Tuberculosis                                             | 1   | 259.7 (76.6, 611.9)        | 0.002889 (0.0008517, 0.0068070) | 184.7 (59.8, 455.6)      | 0.002145 (0.0006951, 0.0052920) |
| Sulawesi Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 74.4 (14.1, 245.7)         | 0.000828 (0.0001567, 0.0027328) | 47.6 (9.9, 141.5)        | 0.000553 (0.0001153, 0.0016435) |
| Sulawesi Utara | Preterm birth complications                              | 1   | 47.6 (6.8, 177.3)          | 0.000530 (0.0000761, 0.0019730) | 46.7 (6.8, 164.3)        | 0.000542 (0.0000793, 0.0019079) |
| Sulawesi Utara | Other neonatal disorders                                 | 1   | 78.0 (0.3, 622.2)          | 0.000868 (0.0000038, 0.0069219) | 47.9 (0.3, 373.3)        | 0.000557 (0.0000029, 0.0043365) |
| Sulawesi Utara | Other communicable diseases                              | 1   | 3,332.3 (1,188.2, 6,838.3) | 0.037072 (0.0132184, 0.0760745) | 2,157.7 (902.1, 4,417.6) | 0.025061 (0.0104777, 0.0513104) |
| Sulawesi Utara | Other malignant neoplasms                                | 1   | 161.8 (49.3, 376.6)        | 0.001800 (0.0005487, 0.0041895) | 143.1 (45.7, 322.1)      | 0.001662 (0.0005305, 0.0037407) |
| Sulawesi Utara | Cerebrovascular disease                                  | 1   | 29.5 (6.1, 90.0)           | 0.000328 (0.0000682, 0.0010012) | 33.1 (7.3, 97.3)         | 0.000385 (0.0000843, 0.0011307) |
| Sulawesi Utara | Ischemic heart disease                                   | 1   | 10.0 (0.6, 51.2)           | 0.000111 (0.0000071, 0.0005700) | 11.1 (0.7, 62.4)         | 0.000129 (0.0000087, 0.0007245) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases            | 1   | 17.5 (3.2, 52.3)           | 0.000195 (0.0000352, 0.0005813) | 18.7 (3.9, 55.1)         | 0.000218 (0.0000452, 0.0006400) |
| Sulawesi Utara | Diabetes mellitus                                        | 1   | 6.5 (0.0, 57.0)            | 0.000072 (0.0000003, 0.0006337) | 11.7 (0.1, 90.8)         | 0.000136 (0.0000007, 0.0010543) |
| Sulawesi Utara | Chronic kidney disease                                   | 1   | 149.2 (43.4, 365.4)        | 0.001659 (0.0004823, 0.0040650) | 133.8 (41.4, 311.4)      | 0.001554 (0.0004805, 0.0036169) |
| Sulawesi Utara | Cirrhosis                                                | 1   | 123.3 (30.2, 330.8)        | 0.001372 (0.0003364, 0.0036797) | 61.5 (16.4, 164.6)       | 0.000714 (0.0001900, 0.0019122) |
| Sulawesi Utara | Chronic respiratory diseases                             | 1   | 286.8 (77.3, 767.4)        | 0.003191 (0.0008596, 0.0085371) | 112.8 (29.9, 303.8)      | 0.001310 (0.0003475, 0.0035283) |
| Sulawesi Utara | Other non-communicable diseases                          | 1   | 1,470.2 (531.2, 3,048.9)   | 0.016356 (0.0059095, 0.0339183) | 1,468.8 (611.6, 2,991.8) | 0.017060 (0.0071041, 0.0347500) |
| Sulawesi Utara | Drowning                                                 | 1   | 489.5 (99.8, 1,364.6)      | 0.005446 (0.0011107, 0.0151806) | 136.1 (26.4, 391.7)      | 0.001581 (0.0003072, 0.0045496) |
| Sulawesi Utara | Falls                                                    | 1   | 117.9 (30.9, 296.1)        | 0.001312 (0.0003434, 0.0032935) | 44.3 (11.2, 115.4)       | 0.000514 (0.0001303, 0.0013402) |
| Sulawesi Utara | Interpersonal violence                                   | 1   | 71.0 (17.6, 181.4)         | 0.000790 (0.0001959, 0.0020183) | 47.6 (12.3, 119.6)       | 0.000553 (0.0001425, 0.0013889) |
| Sulawesi Utara | Transport injuries                                       | 1   | 623.8 (197.6, 1,437.4)     | 0.006939 (0.0021984, 0.0159909) | 178.6 (55.1, 421.3)      | 0.002074 (0.0006404, 0.0048939) |
| Sulawesi Utara | Other unintentional injuries                             | 1   | 665.6 (223.3, 1,537.9)     | 0.007405 (0.0024840, 0.0171083) | 248.9 (87.5, 571.4)      | 0.002891 (0.0010168, 0.0066365) |
| Sulawesi Utara | Diarrheal diseases                                       | 5   | 466.4 (245.0, 742.6)       | 0.003833 (0.0020137, 0.0061029) | 460.7 (259.5, 703.0)     | 0.004033 (0.0022717, 0.0061551) |
| Sulawesi Utara | HIV/AIDS                                                 | 5   | 34.6 (3.9, 139.7)          | 0.000284 (0.0000317, 0.0011477) | 24.6 (2.9, 102.6)        | 0.000215 (0.0000251, 0.0008980) |
| Sulawesi Utara | Lower respiratory infections                             | 5   | 458.6 (271.9, 691.9)       | 0.003769 (0.0022346, 0.0056856) | 323.1 (195.8, 502.5)     | 0.002829 (0.0017145, 0.0043994) |
| Sulawesi Utara | Malaria                                                  | 5   | 14.8 (1.4, 63.7)           | 0.000121 (0.0000111, 0.0005237) | 10.6 (1.1, 42.2)         | 0.000093 (0.0000098, 0.0003696) |
| Sulawesi Utara | Tuberculosis                                             | 5   | 92.8 (40.6, 182.5)         | 0.000762 (0.0003337, 0.0014994) | 70.9 (32.1, 136.6)       | 0.000621 (0.0002814, 0.0011963) |
| Sulawesi Utara | Other communicable diseases                              | 5   | 1,218.0 (863.5, 1,601.8)   | 0.010009 (0.0070965, 0.0131636) | 849.3 (600.0, 1,148.5)   | 0.007436 (0.0052533, 0.0100559) |
| Sulawesi Utara | Other malignant neoplasms                                | 5   | 521.6 (330.1, 792.5)       | 0.004286 (0.0027131, 0.0065126) | 492.6 (318.6, 723.8)     | 0.004313 (0.0027895, 0.0063370) |
| Sulawesi Utara | Cerebrovascular disease                                  | 5   | 65.9 (29.0, 122.4)         | 0.000542 (0.0002384, 0.0010062) | 78.6 (36.7, 135.3)       | 0.000689 (0.0003211, 0.0011845) |
| Sulawesi Utara | Ischemic heart disease                                   | 5   | 25.6 (9.3, 56.3)           | 0.000210 (0.0000764, 0.0004626) | 30.2 (12.2, 60.4)        | 0.000265 (0.0001069, 0.0005286) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases            | 5   | 45.2 (15.8, 99.2)          | 0.000371 (0.0001298, 0.0008154) | 50.8 (20.2, 106.0)       | 0.000445 (0.0001766, 0.0009282) |
| Sulawesi Utara | Diabetes mellitus                                        | 5   | 44.2 (16.3, 103.1)         | 0.000363 (0.0001339, 0.0008473) | 88.7 (33.9, 192.5)       | 0.000777 (0.0002965, 0.0016852) |
| Sulawesi Utara | Chronic kidney disease                                   | 5   | 170.0 (86.0, 296.6)        | 0.001397 (0.0007069, 0.0024371) | 163.5 (86.5, 278.3)      | 0.001431 (0.0007570, 0.0024369) |
| Sulawesi Utara | Cirrhosis                                                | 5   | 179.0 (87.7, 305.3)        | 0.001471 (0.0007207, 0.0025091) | 97.7 (47.6, 171.9)       | 0.000855 (0.0004172, 0.0015051) |
| Sulawesi Utara | Chronic respiratory diseases                             | 5   | 122.5 (50.9, 237.3)        | 0.001007 (0.0004181, 0.0019504) | 51.5 (20.7, 107.0)       | 0.000451 (0.0001812, 0.0009372) |
| Sulawesi Utara | Other non-communicable diseases                          | 5   | 725.0 (503.2, 996.7)       | 0.005958 (0.0041356, 0.0081907) | 774.8 (560.5, 1,033.6)   | 0.006784 (0.0049077, 0.0090500) |
| Sulawesi Utara | Drowning                                                 | 5   | 1,056.4 (400.1, 1,791.4)   | 0.008681 (0.0032880, 0.0147219) | 435.2 (151.2, 817.9)     | 0.003810 (0.0013235, 0.0071616) |
| Sulawesi Utara | Falls                                                    | 5   | 136.2 (51.6, 266.9)        | 0.001119 (0.0004244, 0.0021937) | 70.0 (25.5, 135.1)       | 0.000613 (0.0002233, 0.0011827) |
| Sulawesi Utara | Interpersonal violence                                   | 5   | 36.7 (14.2, 76.8)          | 0.000302 (0.0001171, 0.0006312) | 33.3 (13.3, 68.3)        | 0.000291 (0.0001166, 0.0005978) |
| Sulawesi Utara | Transport injuries                                       | 5   | 1,288.7 (726.6, 1,966.8)   | 0.010590 (0.0059715, 0.0161633) | 551.0 (286.6, 866.2)     | 0.004824 (0.0025097, 0.0075837) |
| Sulawesi Utara | Other unintentional injuries                             | 5   | 399.5 (208.7, 654.3)       | 0.003283 (0.0017155, 0.0053771) | 207.0 (102.7, 350.9)     | 0.001813 (0.0008993, 0.0030724) |
| Sulawesi Utara | Diarrheal diseases                                       | 10  | 197.8 (100.3, 330.8)       | 0.001743 (0.0008837, 0.0029152) | 196.6 (100.4, 322.5)     | 0.001798 (0.0009184, 0.0029491) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | HIV/AIDS                                      | 10  | 29.1 (4.6, 92.0)           | 0.000256 (0.0000403, 0.0008109) | 20.9 (3.3, 71.6)           | 0.000192 (0.0000305, 0.0006547) |
| Sulawesi Utara | Lower respiratory infections                  | 10  | 258.1 (134.6, 422.8)       | 0.002275 (0.0011865, 0.0037262) | 179.3 (93.1, 298.4)        | 0.001640 (0.0008511, 0.0027290) |
| Sulawesi Utara | Malaria                                       | 10  | 24.4 (2.8, 91.5)           | 0.000215 (0.0000246, 0.0008068) | 17.8 (2.2, 64.7)           | 0.000163 (0.0000202, 0.0005917) |
| Sulawesi Utara | Tuberculosis                                  | 10  | 179.5 (91.1, 305.7)        | 0.001582 (0.0008026, 0.0026944) | 136.8 (71.5, 231.9)        | 0.001251 (0.0006539, 0.0021205) |
| Sulawesi Utara | Maternal disorders                            | 10  |                            |                                 | 16.7 (2.6, 44.9)           | 0.000153 (0.0000242, 0.0004105) |
| Sulawesi Utara | Other communicable diseases                   | 10  | 790.2 (538.2, 1,071.1)     | 0.006964 (0.0047432, 0.0094404) | 543.0 (358.7, 730.7)       | 0.004966 (0.0032801, 0.0066819) |
| Sulawesi Utara | Other malignant neoplasms                     | 10  | 629.5 (431.0, 889.3)       | 0.005548 (0.0037989, 0.0078380) | 614.5 (441.9, 842.6)       | 0.005620 (0.0040408, 0.0077052) |
| Sulawesi Utara | Cerebrovascular disease                       | 10  | 94.3 (53.1, 154.0)         | 0.000831 (0.0004680, 0.0013575) | 109.2 (61.7, 170.1)        | 0.000999 (0.0005645, 0.0015556) |
| Sulawesi Utara | Ischemic heart disease                        | 10  | 54.4 (29.3, 90.5)          | 0.000480 (0.0002579, 0.0007976) | 61.5 (35.2, 99.9)          | 0.000563 (0.0003218, 0.0009132) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 10  | 57.9 (25.6, 111.5)         | 0.000510 (0.0002259, 0.0009825) | 64.6 (31.8, 116.8)         | 0.000591 (0.0002904, 0.0010680) |
| Sulawesi Utara | Diabetes mellitus                             | 10  | 53.7 (27.2, 95.0)          | 0.000473 (0.0002394, 0.0008370) | 108.0 (57.6, 184.3)        | 0.000988 (0.0005265, 0.0016856) |
| Sulawesi Utara | Chronic kidney disease                        | 10  | 202.3 (121.6, 312.0)       | 0.001783 (0.0010722, 0.0027496) | 195.2 (120.2, 297.3)       | 0.001785 (0.0010994, 0.0027186) |
| Sulawesi Utara | Cirrhosis                                     | 10  | 180.7 (106.7, 273.2)       | 0.001593 (0.0009402, 0.0024078) | 98.4 (54.6, 165.8)         | 0.000900 (0.0004997, 0.0015161) |
| Sulawesi Utara | Chronic respiratory diseases                  | 10  | 192.6 (104.5, 329.8)       | 0.001698 (0.0009214, 0.0029070) | 85.6 (44.5, 156.1)         | 0.000783 (0.0004065, 0.0014277) |
| Sulawesi Utara | Other non-communicable diseases               | 10  | 734.6 (545.6, 960.7)       | 0.006475 (0.0048086, 0.0084673) | 765.0 (589.4, 989.8)       | 0.006996 (0.0053900, 0.0090513) |
| Sulawesi Utara | Drowning                                      | 10  | 527.3 (164.7, 1,069.7)     | 0.004648 (0.0014517, 0.0094286) | 191.3 (51.9, 430.5)        | 0.001749 (0.0004747, 0.0039370) |
| Sulawesi Utara | Falls                                         | 10  | 108.7 (43.1, 206.7)        | 0.000958 (0.0003800, 0.0018219) | 50.8 (20.2, 99.4)          | 0.000464 (0.0001849, 0.0009089) |
| Sulawesi Utara | Interpersonal violence                        | 10  | 47.7 (26.5, 83.2)          | 0.000420 (0.0002337, 0.0007334) | 40.2 (21.4, 70.5)          | 0.000367 (0.0001958, 0.0006443) |
| Sulawesi Utara | Self-harm                                     | 10  | 115.0 (51.5, 222.3)        | 0.001014 (0.0004537, 0.0019597) | 83.2 (38.4, 154.0)         | 0.000761 (0.0003509, 0.0014084) |
| Sulawesi Utara | Transport injuries                            | 10  | 1,595.1 (1,106.5, 2,162.8) | 0.014059 (0.0097530, 0.0190624) | 677.1 (427.6, 952.6)       | 0.006192 (0.0039099, 0.0087113) |
| Sulawesi Utara | Other unintentional injuries                  | 10  | 341.1 (205.5, 533.3)       | 0.003006 (0.0018115, 0.0047008) | 162.5 (92.1, 256.9)        | 0.001486 (0.0008422, 0.0023491) |
| Sulawesi Utara | Diarrheal diseases                            | 15  | 125.8 (52.5, 228.8)        | 0.001205 (0.0005029, 0.0021906) | 94.4 (39.2, 171.6)         | 0.000957 (0.0003970, 0.0017394) |
| Sulawesi Utara | HIV/AIDS                                      | 15  | 31.1 (4.0, 107.3)          | 0.000297 (0.0000380, 0.0010277) | 18.0 (2.4, 62.8)           | 0.000182 (0.0000246, 0.0006372) |
| Sulawesi Utara | Lower respiratory infections                  | 15  | 146.9 (66.1, 266.4)        | 0.001407 (0.0006331, 0.0025508) | 69.9 (29.1, 134.5)         | 0.000709 (0.0002952, 0.0013634) |
| Sulawesi Utara | Malaria                                       | 15  | 68.8 (10.2, 217.6)         | 0.000658 (0.0000977, 0.0020837) | 41.6 (5.8, 135.6)          | 0.000422 (0.0000589, 0.0013746) |
| Sulawesi Utara | Tuberculosis                                  | 15  | 399.9 (239.9, 628.7)       | 0.003829 (0.0022968, 0.0060199) | 225.0 (138.2, 345.4)       | 0.002281 (0.0014012, 0.0035021) |
| Sulawesi Utara | Maternal disorders                            | 15  |                            |                                 | 154.7 (75.1, 284.5)        | 0.001569 (0.0007611, 0.0028850) |
| Sulawesi Utara | Other communicable diseases                   | 15  | 604.6 (355.0, 916.9)       | 0.005789 (0.0033990, 0.0087796) | 299.3 (167.0, 449.0)       | 0.003035 (0.0016934, 0.0045524) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 15  | 67.2 (18.4, 163.7)         | 0.000643 (0.0001761, 0.0015679) | 24.4 (6.4, 62.4)           | 0.000247 (0.0000644, 0.0006330) |
| Sulawesi Utara | Breast cancer                                 | 15  | 4.8 (0.5, 18.5)            | 0.000046 (0.0000052, 0.0001774) | 123.9 (34.1, 270.6)        | 0.001256 (0.0003460, 0.0027438) |
| Sulawesi Utara | Cervical cancer                               | 15  |                            |                                 | 199.5 (54.2, 444.0)        | 0.002022 (0.0005496, 0.0045016) |
| Sulawesi Utara | Other malignant neoplasms                     | 15  | 779.0 (520.6, 1,141.1)     | 0.007459 (0.0049850, 0.0109271) | 662.9 (385.5, 960.1)       | 0.006722 (0.0039082, 0.0097347) |
| Sulawesi Utara | Cerebrovascular disease                       | 15  | 204.1 (109.0, 324.8)       | 0.001954 (0.0010433, 0.0031097) | 180.7 (103.2, 277.7)       | 0.001832 (0.0010468, 0.0028152) |
| Sulawesi Utara | Ischemic heart disease                        | 15  | 216.2 (126.7, 337.9)       | 0.002070 (0.0012137, 0.0032352) | 160.4 (95.8, 250.9)        | 0.001626 (0.0009716, 0.0025437) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 15  | 104.3 (49.6, 195.6)        | 0.000999 (0.0004750, 0.0018732) | 105.1 (50.0, 198.4)        | 0.001066 (0.0005073, 0.0020114) |
| Sulawesi Utara | Diabetes mellitus                             | 15  | 97.4 (47.0, 167.3)         | 0.000932 (0.0004503, 0.0016020) | 179.4 (88.3, 292.3)        | 0.001819 (0.0008953, 0.0029640) |
| Sulawesi Utara | Chronic kidney disease                        | 15  | 340.6 (205.4, 531.4)       | 0.003261 (0.0019667, 0.0050881) | 310.2 (184.8, 477.4)       | 0.003145 (0.0018741, 0.0048400) |
| Sulawesi Utara | Cirrhosis                                     | 15  | 244.7 (137.9, 402.4)       | 0.002343 (0.0013209, 0.0038535) | 116.3 (62.1, 205.4)        | 0.001179 (0.0006296, 0.0020829) |
| Sulawesi Utara | Chronic respiratory diseases                  | 15  | 184.7 (98.4, 310.7)        | 0.001769 (0.0009421, 0.0029748) | 94.0 (48.8, 161.8)         | 0.000953 (0.0004946, 0.0016401) |
| Sulawesi Utara | Other non-communicable diseases               | 15  | 1,021.2 (712.3, 1,387.0)   | 0.009779 (0.0068203, 0.0132812) | 873.9 (654.2, 1,143.2)     | 0.008860 (0.0066333, 0.0115912) |
| Sulawesi Utara | Drowning                                      | 15  | 280.9 (73.0, 676.1)        | 0.002689 (0.0006992, 0.0064740) | 70.2 (16.3, 192.9)         | 0.000712 (0.0001652, 0.0019556) |
| Sulawesi Utara | Falls                                         | 15  | 97.4 (40.7, 190.1)         | 0.000933 (0.0003900, 0.0018201) | 35.2 (13.1, 67.8)          | 0.000357 (0.0001332, 0.0006876) |
| Sulawesi Utara | Interpersonal violence                        | 15  | 120.1 (68.3, 194.8)        | 0.001150 (0.0006543, 0.0018654) | 95.6 (45.1, 164.5)         | 0.000969 (0.0004568, 0.0016679) |
| Sulawesi Utara | Self-harm                                     | 15  | 246.0 (146.2, 378.8)       | 0.002355 (0.0014002, 0.0036272) | 173.1 (92.3, 285.5)        | 0.001755 (0.0009360, 0.0028946) |
| Sulawesi Utara | Transport injuries                            | 15  | 3,970.1 (2,987.8, 5,059.3) | 0.038016 (0.0286098, 0.0484459) | 1,641.1 (1,241.3, 2,072.9) | 0.016639 (0.0125855, 0.0210174) |
| Sulawesi Utara | Other unintentional injuries                  | 15  | 520.3 (334.1, 787.7)       | 0.004982 (0.0031989, 0.0075423) | 212.3 (118.6, 342.6)       | 0.002153 (0.0012029, 0.0034740) |
| Sulawesi Utara | Diarrheal diseases                            | 20  | 121.1 (50.0, 235.2)        | 0.001330 (0.0005487, 0.0025826) | 90.3 (36.9, 169.7)         | 0.001064 (0.0004349, 0.0020011) |
| Sulawesi Utara | HIV/AIDS                                      | 20  | 108.8 (16.5, 327.6)        | 0.001195 (0.0001810, 0.0035966) | 58.0 (9.3, 173.3)          | 0.000684 (0.0001098, 0.0020433) |
| Sulawesi Utara | Lower respiratory infections                  | 20  | 147.5 (62.7, 291.0)        | 0.001620 (0.0006879, 0.0031955) | 59.4 (24.5, 120.5)         | 0.000700 (0.0002893, 0.0014201) |
| Sulawesi Utara | Malaria                                       | 20  | 83.2 (12.2, 276.1)         | 0.000914 (0.0001340, 0.0030314) | 50.4 (6.9, 158.1)          | 0.000594 (0.0000818, 0.0018635) |
| Sulawesi Utara | Tuberculosis                                  | 20  | 835.8 (513.7, 1,263.7)     | 0.009177 (0.0056397, 0.0138742) | 386.3 (239.8, 582.9)       | 0.004554 (0.0028275, 0.0068724) |
| Sulawesi Utara | Maternal disorders                            | 20  |                            |                                 | 231.6 (119.9, 386.9)       | 0.002730 (0.0014131, 0.0045618) |

## Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Sulawesi Utara | Other communicable diseases                   | 20  | 750.9 (436.2, 1,138.0)     | 0.008244 (0.0047887, 0.0124940) | 369.1 (214.0, 564.4)     | 0.004351 (0.0025228, 0.0066542) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 20  | 60.2 (14.8, 154.0)         | 0.000661 (0.0001628, 0.0016908) | 36.5 (11.1, 88.5)        | 0.000431 (0.0001306, 0.0010433) |
| Sulawesi Utara | Breast cancer                                 | 20  | 6.4 (1.3, 19.8)            | 0.000070 (0.0000148, 0.0002175) | 302.7 (150.6, 528.3)     | 0.003569 (0.0017759, 0.0062283) |
| Sulawesi Utara | Cervical cancer                               | 20  |                            |                                 | 322.9 (133.1, 621.7)     | 0.003806 (0.0015691, 0.0073292) |
| Sulawesi Utara | Other malignant neoplasms                     | 20  | 695.0 (450.6, 1,013.4)     | 0.007630 (0.0049478, 0.0111267) | 601.9 (347.0, 919.2)     | 0.007096 (0.0040908, 0.0108368) |
| Sulawesi Utara | Cerebrovascular disease                       | 20  | 371.6 (233.8, 555.3)       | 0.004080 (0.0025675, 0.0060971) | 273.9 (180.3, 395.4)     | 0.003229 (0.0021259, 0.0046614) |
| Sulawesi Utara | Ischemic heart disease                        | 20  | 384.3 (241.8, 567.1)       | 0.004219 (0.0026551, 0.0062261) | 190.3 (118.3, 284.3)     | 0.002244 (0.0013949, 0.0033521) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 20  | 153.3 (75.7, 274.3)        | 0.001683 (0.0008310, 0.0030117) | 145.9 (76.5, 235.0)      | 0.001720 (0.0009022, 0.0027700) |
| Sulawesi Utara | Diabetes mellitus                             | 20  | 90.1 (48.8, 155.7)         | 0.000989 (0.0005354, 0.0017092) | 158.2 (87.0, 254.6)      | 0.001865 (0.0010260, 0.0030013) |
| Sulawesi Utara | Chronic kidney disease                        | 20  | 500.5 (316.6, 754.9)       | 0.005496 (0.0034756, 0.0082878) | 431.6 (271.7, 630.9)     | 0.005088 (0.0032035, 0.0074382) |
| Sulawesi Utara | Cirrhosis                                     | 20  | 374.5 (230.2, 578.2)       | 0.004112 (0.0025272, 0.0063481) | 168.9 (98.0, 271.5)      | 0.001991 (0.0011555, 0.0032011) |
| Sulawesi Utara | Chronic respiratory diseases                  | 20  | 376.7 (211.0, 614.2)       | 0.004136 (0.0023165, 0.0067430) | 218.5 (129.5, 333.4)     | 0.002576 (0.0015265, 0.0039306) |
| Sulawesi Utara | Other non-communicable diseases               | 20  | 941.4 (649.5, 1,328.6)     | 0.010336 (0.0071305, 0.0145868) | 719.8 (523.6, 955.1)     | 0.008486 (0.0061725, 0.0112604) |
| Sulawesi Utara | Drowning                                      | 20  | 200.3 (46.0, 514.1)        | 0.002199 (0.0005046, 0.0056447) | 42.4 (8.9, 119.5)        | 0.000499 (0.0001052, 0.0014086) |
| Sulawesi Utara | Falls                                         | 20  | 92.6 (38.2, 177.6)         | 0.001017 (0.0004189, 0.0019494) | 28.7 (10.4, 56.9)        | 0.000338 (0.0001226, 0.0006713) |
| Sulawesi Utara | Interpersonal violence                        | 20  | 134.4 (76.8, 215.5)        | 0.001475 (0.0008431, 0.0023657) | 92.5 (44.4, 161.9)       | 0.001091 (0.0005237, 0.0019084) |
| Sulawesi Utara | Self-harm                                     | 20  | 234.2 (137.3, 363.1)       | 0.002571 (0.0015070, 0.0039866) | 143.7 (75.4, 246.7)      | 0.001694 (0.0008886, 0.0029081) |
| Sulawesi Utara | Transport injuries                            | 20  | 3,311.3 (2,420.2, 4,586.3) | 0.036356 (0.0265717, 0.0503540) | 1,074.4 (755.3, 1,453.4) | 0.012666 (0.0089044, 0.0171352) |
| Sulawesi Utara | Other unintentional injuries                  | 20  | 549.6 (343.5, 835.8)       | 0.006034 (0.0037719, 0.0091767) | 193.3 (106.6, 317.3)     | 0.002279 (0.0012572, 0.0037410) |
| Sulawesi Utara | Diarrheal diseases                            | 25  | 180.0 (72.3, 338.4)        | 0.001830 (0.0007355, 0.0034407) | 144.3 (63.4, 264.3)      | 0.001598 (0.0007013, 0.0029254) |
| Sulawesi Utara | HIV/AIDS                                      | 25  | 208.4 (39.3, 603.6)        | 0.002119 (0.0003992, 0.0061379) | 117.6 (23.2, 333.9)      | 0.001301 (0.0002570, 0.0036950) |
| Sulawesi Utara | Lower respiratory infections                  | 25  | 160.9 (66.8, 320.9)        | 0.001636 (0.0006791, 0.0032632) | 69.4 (27.6, 140.1)       | 0.000768 (0.0003049, 0.0015499) |
| Sulawesi Utara | Malaria                                       | 25  | 94.4 (13.4, 304.6)         | 0.000960 (0.0001361, 0.0030969) | 56.9 (8.1, 186.1)        | 0.000630 (0.0000901, 0.0020598) |
| Sulawesi Utara | Tuberculosis                                  | 25  | 1,221.7 (772.1, 1,792.5)   | 0.012423 (0.0078509, 0.0182278) | 545.8 (318.0, 824.6)     | 0.006040 (0.0035190, 0.0091258) |
| Sulawesi Utara | Maternal disorders                            | 25  |                            |                                 | 330.1 (177.2, 555.9)     | 0.003654 (0.0019607, 0.0061522) |
| Sulawesi Utara | Other communicable diseases                   | 25  | 827.0 (495.1, 1,263.5)     | 0.008409 (0.0050343, 0.0128478) | 449.0 (257.6, 693.2)     | 0.004969 (0.0028512, 0.0076714) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 25  | 83.3 (24.0, 200.2)         | 0.000847 (0.0002439, 0.0020353) | 52.2 (16.0, 121.9)       | 0.000578 (0.0001771, 0.0013492) |
| Sulawesi Utara | Breast cancer                                 | 25  | 7.6 (1.9, 20.7)            | 0.000077 (0.0000196, 0.0002101) | 595.6 (325.9, 957.5)     | 0.006591 (0.0036063, 0.0105966) |
| Sulawesi Utara | Cervical cancer                               | 25  |                            |                                 | 557.6 (262.2, 975.4)     | 0.006171 (0.0029013, 0.0107951) |
| Sulawesi Utara | Other malignant neoplasms                     | 25  | 961.4 (645.3, 1,393.8)     | 0.009777 (0.0065623, 0.0141729) | 664.9 (373.6, 1,056.0)   | 0.007359 (0.0041342, 0.0116867) |
| Sulawesi Utara | Cerebrovascular disease                       | 25  | 684.0 (471.5, 951.4)       | 0.006955 (0.0047946, 0.0096746) | 496.6 (338.5, 681.0)     | 0.005496 (0.0037461, 0.0075361) |
| Sulawesi Utara | Ischemic heart disease                        | 25  | 764.9 (529.6, 1,075.8)     | 0.007778 (0.0053854, 0.0109399) | 336.2 (219.3, 488.9)     | 0.003720 (0.0024271, 0.0054106) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 25  | 210.1 (111.3, 339.6)       | 0.002137 (0.0011313, 0.0034530) | 201.0 (109.7, 324.3)     | 0.002224 (0.0012136, 0.0035895) |
| Sulawesi Utara | Diabetes mellitus                             | 25  | 159.8 (100.6, 247.4)       | 0.001625 (0.0010234, 0.0025154) | 269.9 (163.6, 406.9)     | 0.002987 (0.0018108, 0.0045035) |
| Sulawesi Utara | Chronic kidney disease                        | 25  | 601.7 (402.2, 875.4)       | 0.006118 (0.0040899, 0.0089018) | 492.6 (322.8, 720.9)     | 0.005452 (0.0035725, 0.0079783) |
| Sulawesi Utara | Cirrhosis                                     | 25  | 541.5 (346.1, 793.6)       | 0.005506 (0.0035198, 0.0080698) | 247.4 (142.9, 389.4)     | 0.002738 (0.0015813, 0.0043097) |
| Sulawesi Utara | Chronic respiratory diseases                  | 25  | 484.6 (287.0, 776.0)       | 0.004928 (0.0029186, 0.0078915) | 293.0 (174.9, 452.3)     | 0.003243 (0.0019353, 0.0050053) |
| Sulawesi Utara | Other non-communicable diseases               | 25  | 1,133.6 (814.4, 1,549.3)   | 0.011528 (0.0082817, 0.0157546) | 864.1 (614.3, 1,151.0)   | 0.009563 (0.0067979, 0.0127383) |
| Sulawesi Utara | Drowning                                      | 25  | 131.4 (26.7, 356.1)        | 0.001336 (0.0002716, 0.0036208) | 31.7 (6.1, 91.9)         | 0.000351 (0.0000681, 0.0010173) |
| Sulawesi Utara | Falls                                         | 25  | 132.0 (51.6, 245.3)        | 0.001342 (0.0005245, 0.0024940) | 45.0 (17.4, 85.0)        | 0.000498 (0.0001921, 0.0009409) |
| Sulawesi Utara | Interpersonal violence                        | 25  | 140.2 (82.1, 222.6)        | 0.001426 (0.0008345, 0.0022634) | 91.7 (44.2, 156.0)       | 0.001015 (0.0004891, 0.0017261) |
| Sulawesi Utara | Self-harm                                     | 25  | 227.8 (134.3, 359.3)       | 0.002317 (0.0013654, 0.0036538) | 129.3 (69.0, 217.1)      | 0.001431 (0.0007635, 0.0024031) |
| Sulawesi Utara | Transport injuries                            | 25  | 2,497.5 (1,778.3, 3,523.4) | 0.025396 (0.0180831, 0.0358283) | 754.9 (469.1, 1,078.9)   | 0.008355 (0.0051909, 0.0119401) |
| Sulawesi Utara | Other unintentional injuries                  | 25  | 667.4 (415.7, 1,005.3)     | 0.006787 (0.0042267, 0.0102225) | 238.2 (135.1, 392.2)     | 0.002636 (0.0014947, 0.0043407) |
| Sulawesi Utara | Diarrheal diseases                            | 30  | 197.9 (84.6, 370.3)        | 0.001928 (0.0008243, 0.0036081) | 175.8 (80.0, 305.8)      | 0.001840 (0.0008368, 0.0031998) |
| Sulawesi Utara | HIV/AIDS                                      | 30  | 204.0 (38.3, 591.8)        | 0.001988 (0.0003733, 0.0057672) | 134.8 (26.3, 369.5)      | 0.001410 (0.0002753, 0.0038663) |
| Sulawesi Utara | Lower respiratory infections                  | 30  | 145.8 (61.3, 291.2)        | 0.001420 (0.0005970, 0.0028380) | 73.0 (28.9, 148.0)       | 0.000764 (0.0003029, 0.0015490) |
| Sulawesi Utara | Malaria                                       | 30  | 75.7 (11.0, 251.0)         | 0.000738 (0.0001076, 0.0024458) | 52.0 (8.1, 166.9)        | 0.000544 (0.0000850, 0.0017463) |
| Sulawesi Utara | Tuberculosis                                  | 30  | 1,124.2 (712.7, 1,679.3)   | 0.010955 (0.0069449, 0.0163646) | 600.9 (351.0, 882.8)     | 0.006288 (0.0036722, 0.0092372) |
| Sulawesi Utara | Maternal disorders                            | 30  |                            |                                 | 324.5 (171.9, 548.1)     | 0.003395 (0.0017988, 0.0057347) |
| Sulawesi Utara | Other communicable diseases                   | 30  | 580.8 (335.1, 924.1)       | 0.005660 (0.0032658, 0.0090053) | 346.5 (188.0, 551.4)     | 0.003626 (0.0019671, 0.0057688) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 30  | 132.3 (41.5, 286.9)        | 0.001289 (0.0004045, 0.0027956) | 64.6 (21.2, 143.5)       | 0.000676 (0.0002216, 0.0015019) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | Breast cancer                                 | 30  | 10.1 (2.3, 30.6)           | 0.000098 (0.0000220, 0.0002981) | 980.0 (560.9, 1,472.8)     | 0.010254 (0.0058682, 0.0154095) |
| Sulawesi Utara | Cervical cancer                               | 30  |                            |                                 | 833.6 (403.4, 1,398.6)     | 0.008722 (0.0042208, 0.0146333) |
| Sulawesi Utara | Other malignant neoplasms                     | 30  | 1,270.4 (873.2, 1,799.1)   | 0.012380 (0.0085095, 0.0175323) | 720.4 (398.5, 1,159.1)     | 0.007538 (0.0041690, 0.0121275) |
| Sulawesi Utara | Cerebrovascular disease                       | 30  | 1,066.0 (760.4, 1,473.3)   | 0.010388 (0.0074101, 0.0143569) | 872.7 (605.4, 1,175.6)     | 0.009131 (0.0063338, 0.0123007) |
| Sulawesi Utara | Ischemic heart disease                        | 30  | 1,064.1 (753.8, 1,499.6)   | 0.010370 (0.0073456, 0.0146135) | 546.0 (354.6, 787.3)       | 0.005713 (0.0037100, 0.0082374) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 30  | 253.6 (140.5, 413.5)       | 0.002471 (0.0013692, 0.0040296) | 274.3 (151.5, 438.7)       | 0.002870 (0.0015851, 0.0045897) |
| Sulawesi Utara | Diabetes mellitus                             | 30  | 261.1 (170.3, 384.9)       | 0.002544 (0.0016592, 0.0037512) | 486.1 (311.9, 715.1)       | 0.005086 (0.0032631, 0.0074824) |
| Sulawesi Utara | Chronic kidney disease                        | 30  | 643.9 (437.5, 917.5)       | 0.006275 (0.0042635, 0.0089412) | 590.9 (385.5, 849.8)       | 0.006183 (0.0040334, 0.0088916) |
| Sulawesi Utara | Cirrhosis                                     | 30  | 715.1 (459.1, 1,043.1)     | 0.006969 (0.0044734, 0.0101645) | 360.2 (208.5, 557.5)       | 0.003769 (0.0021811, 0.0058333) |
| Sulawesi Utara | Chronic respiratory diseases                  | 30  | 498.5 (291.9, 798.6)       | 0.004858 (0.0028443, 0.0077821) | 334.0 (193.0, 520.1)       | 0.003494 (0.0020199, 0.0054417) |
| Sulawesi Utara | Other non-communicable diseases               | 30  | 1,166.6 (827.6, 1,598.8)   | 0.011368 (0.0080652, 0.0155798) | 1,006.1 (709.5, 1,340.6)   | 0.010527 (0.0074236, 0.0140267) |
| Sulawesi Utara | Drowning                                      | 30  | 159.0 (34.5, 445.4)        | 0.001549 (0.0003358, 0.0043405) | 42.6 (9.0, 121.5)          | 0.000446 (0.0000936, 0.0012711) |
| Sulawesi Utara | Falls                                         | 30  | 167.4 (67.9, 313.6)        | 0.001631 (0.0006615, 0.0030561) | 63.9 (23.3, 120.8)         | 0.000668 (0.0002442, 0.0012640) |
| Sulawesi Utara | Interpersonal violence                        | 30  | 108.5 (62.7, 175.6)        | 0.001057 (0.0006108, 0.0017116) | 83.2 (39.9, 142.2)         | 0.000871 (0.0004173, 0.0014876) |
| Sulawesi Utara | Self-harm                                     | 30  | 171.5 (97.6, 271.7)        | 0.001671 (0.0009511, 0.0026477) | 114.8 (59.9, 198.2)        | 0.001202 (0.0006267, 0.0020733) |
| Sulawesi Utara | Transport injuries                            | 30  | 2,276.6 (1,582.0, 3,293.5) | 0.022185 (0.0154166, 0.0320940) | 761.8 (466.8, 1,114.8)     | 0.007971 (0.0048836, 0.0116646) |
| Sulawesi Utara | Other unintentional injuries                  | 30  | 627.2 (381.2, 954.5)       | 0.006112 (0.0037152, 0.0093011) | 256.3 (139.8, 408.3)       | 0.002682 (0.0014631, 0.0042725) |
| Sulawesi Utara | Diarrheal diseases                            | 35  | 167.8 (72.5, 306.2)        | 0.001627 (0.0007029, 0.0029695) | 206.1 (94.1, 370.9)        | 0.002109 (0.0009631, 0.0037946) |
| Sulawesi Utara | HIV/AIDS                                      | 35  | 177.1 (31.3, 512.7)        | 0.001717 (0.0003039, 0.0049714) | 154.2 (26.7, 439.4)        | 0.001578 (0.0002736, 0.0044950) |
| Sulawesi Utara | Lower respiratory infections                  | 35  | 144.8 (60.8, 289.4)        | 0.001405 (0.0005897, 0.0028063) | 99.8 (41.8, 204.1)         | 0.001021 (0.0004272, 0.0020882) |
| Sulawesi Utara | Malaria                                       | 35  | 68.9 (10.5, 222.8)         | 0.000668 (0.0001022, 0.0021609) | 61.9 (9.0, 189.8)          | 0.000633 (0.0000924, 0.0019423) |
| Sulawesi Utara | Tuberculosis                                  | 35  | 1,208.3 (782.5, 1,739.6)   | 0.011717 (0.0075877, 0.0168688) | 837.3 (505.1, 1,239.6)     | 0.008567 (0.0051676, 0.0126826) |
| Sulawesi Utara | Maternal disorders                            | 35  |                            |                                 | 181.8 (87.8, 331.5)        | 0.001861 (0.0008987, 0.0033918) |
| Sulawesi Utara | Other communicable diseases                   | 35  | 489.2 (272.4, 778.4)       | 0.004744 (0.0026419, 0.0075485) | 409.6 (209.0, 680.8)       | 0.004191 (0.0021387, 0.0069655) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 35  | 105.9 (30.2, 226.6)        | 0.001027 (0.0002927, 0.0021969) | 93.6 (31.0, 201.4)         | 0.000958 (0.0003171, 0.0020609) |
| Sulawesi Utara | Breast cancer                                 | 35  | 18.6 (4.1, 57.7)           | 0.000180 (0.0000396, 0.0005598) | 1,621.7 (940.9, 2,418.3)   | 0.016591 (0.0096261, 0.0247414) |
| Sulawesi Utara | Cervical cancer                               | 35  |                            |                                 | 1,225.1 (611.4, 2,062.0)   | 0.012534 (0.0062556, 0.0210968) |
| Sulawesi Utara | Other malignant neoplasms                     | 35  | 1,875.7 (1,328.1, 2,611.4) | 0.018188 (0.0128789, 0.0253231) | 890.6 (502.0, 1,417.4)     | 0.009112 (0.0051361, 0.0145010) |
| Sulawesi Utara | Cerebrovascular disease                       | 35  | 1,717.6 (1,303.9, 2,324.0) | 0.016655 (0.0126437, 0.0225361) | 1,590.5 (1,132.8, 2,121.7) | 0.016272 (0.0115893, 0.0217067) |
| Sulawesi Utara | Ischemic heart disease                        | 35  | 1,572.0 (1,150.0, 2,129.3) | 0.015243 (0.0111517, 0.0206475) | 930.2 (622.7, 1,317.0)     | 0.009517 (0.0063705, 0.0134744) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 35  | 346.0 (200.0, 557.6)       | 0.003355 (0.0019395, 0.0054075) | 409.0 (231.5, 652.1)       | 0.004184 (0.0023685, 0.0066712) |
| Sulawesi Utara | Diabetes mellitus                             | 35  | 515.1 (344.4, 733.9)       | 0.004995 (0.0033393, 0.0071164) | 1,020.4 (662.0, 1,468.1)   | 0.010440 (0.0067729, 0.0150198) |
| Sulawesi Utara | Chronic kidney disease                        | 35  | 818.9 (569.2, 1,165.1)     | 0.007941 (0.0055196, 0.0112984) | 804.2 (527.9, 1,176.7)     | 0.008228 (0.0054006, 0.0120384) |
| Sulawesi Utara | Cirrhosis                                     | 35  | 907.9 (588.6, 1,307.2)     | 0.008804 (0.0057076, 0.0126757) | 511.1 (300.9, 799.2)       | 0.005229 (0.0030781, 0.0081765) |
| Sulawesi Utara | Chronic respiratory diseases                  | 35  | 645.5 (393.0, 1,014.4)     | 0.006259 (0.0038109, 0.0098366) | 440.9 (264.0, 683.4)       | 0.004511 (0.0027010, 0.0069917) |
| Sulawesi Utara | Other non-communicable diseases               | 35  | 1,259.9 (908.7, 1,694.8)   | 0.012218 (0.0088119, 0.0164344) | 1,214.4 (835.9, 1,643.7)   | 0.012424 (0.0085516, 0.0168162) |
| Sulawesi Utara | Drowning                                      | 35  | 183.2 (45.6, 500.7)        | 0.001777 (0.0004425, 0.0048556) | 63.2 (13.4, 186.2)         | 0.000647 (0.0001376, 0.0019052) |
| Sulawesi Utara | Falls                                         | 35  | 163.3 (65.6, 305.9)        | 0.001583 (0.0006358, 0.0029660) | 77.2 (27.1, 151.1)         | 0.000790 (0.0002771, 0.0015457) |
| Sulawesi Utara | Interpersonal violence                        | 35  | 103.9 (55.3, 172.3)        | 0.001008 (0.0005360, 0.0016706) | 89.1 (39.0, 156.2)         | 0.000912 (0.0003988, 0.0015981) |
| Sulawesi Utara | Self-harm                                     | 35  | 180.4 (101.3, 289.1)       | 0.001750 (0.0009822, 0.0028038) | 132.8 (67.4, 230.7)        | 0.001358 (0.0006895, 0.0023608) |
| Sulawesi Utara | Transport injuries                            | 35  | 1,917.9 (1,302.3, 2,813.2) | 0.018598 (0.0126284, 0.0272794) | 736.1 (428.8, 1,140.9)     | 0.007531 (0.0043865, 0.0116726) |
| Sulawesi Utara | Other unintentional injuries                  | 35  | 619.5 (371.7, 937.3)       | 0.006007 (0.0036047, 0.0090886) | 294.5 (153.3, 487.8)       | 0.003013 (0.0015683, 0.0049911) |
| Sulawesi Utara | Diarrheal diseases                            | 40  | 183.9 (79.9, 320.9)        | 0.001954 (0.0008489, 0.0034102) | 214.8 (99.0, 367.1)        | 0.002444 (0.0011269, 0.0041767) |
| Sulawesi Utara | HIV/AIDS                                      | 40  | 90.6 (15.0, 291.5)         | 0.000963 (0.0001598, 0.0030984) | 79.3 (12.6, 254.1)         | 0.000902 (0.0001430, 0.0028917) |
| Sulawesi Utara | Lower respiratory infections                  | 40  | 131.2 (58.2, 253.8)        | 0.001394 (0.0006185, 0.0026970) | 95.1 (37.9, 188.3)         | 0.001082 (0.0004317, 0.0021421) |
| Sulawesi Utara | Malaria                                       | 40  | 70.8 (10.7, 236.8)         | 0.000753 (0.0001140, 0.0025169) | 60.6 (8.7, 190.5)          | 0.000689 (0.0000994, 0.0021675) |
| Sulawesi Utara | Tuberculosis                                  | 40  | 1,020.9 (682.5, 1,459.6)   | 0.010851 (0.0072537, 0.0155132) | 761.6 (492.5, 1,101.4)     | 0.008666 (0.0056040, 0.0125317) |
| Sulawesi Utara | Maternal disorders                            | 40  |                            |                                 | 52.0 (21.3, 102.3)         | 0.000592 (0.0002423, 0.0011644) |
| Sulawesi Utara | Other communicable diseases                   | 40  | 478.5 (271.6, 746.5)       | 0.005086 (0.0028863, 0.0079341) | 380.3 (197.2, 622.2)       | 0.004328 (0.0022438, 0.0070794) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 40  | 200.8 (72.3, 432.1)        | 0.002134 (0.0007685, 0.0045922) | 110.9 (38.9, 236.4)        | 0.001262 (0.0004430, 0.0026896) |
| Sulawesi Utara | Breast cancer                                 | 40  | 38.3 (9.6, 112.3)          | 0.000407 (0.0001023, 0.0011932) | 2,007.8 (1,233.5, 2,937.1) | 0.022846 (0.0140354, 0.0334197) |
| Sulawesi Utara | Cervical cancer                               | 40  |                            |                                 | 1,305.3 (612.5, 2,177.8)   | 0.014853 (0.0069692, 0.0247793) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | Other malignant neoplasms                     | 40  | 2,798.2 (2,019.4, 3,808.6) | 0.029741 (0.0214637, 0.0404796) | 903.1 (496.7, 1,455.8)     | 0.010276 (0.0056512, 0.0165652) |
| Sulawesi Utara | Cerebrovascular disease                       | 40  | 2,622.2 (2,004.9, 3,529.2) | 0.027871 (0.0213096, 0.0375098) | 2,316.6 (1,695.0, 3,003.3) | 0.026359 (0.0192866, 0.0341723) |
| Sulawesi Utara | Ischemic heart disease                        | 40  | 2,116.5 (1,563.0, 2,829.1) | 0.022495 (0.0166120, 0.0300695) | 1,354.9 (935.6, 1,865.5)   | 0.015417 (0.0106454, 0.0212267) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 40  | 498.5 (305.5, 793.2)       | 0.005298 (0.0032466, 0.0084305) | 527.5 (316.6, 826.8)       | 0.006003 (0.0036024, 0.0094078) |
| Sulawesi Utara | Diabetes mellitus                             | 40  | 1,059.6 (738.3, 1,488.7)   | 0.011262 (0.0078473, 0.0158228) | 1,876.1 (1,274.4, 2,612.7) | 0.021347 (0.0145002, 0.0297285) |
| Sulawesi Utara | Chronic kidney disease                        | 40  | 1,034.8 (720.8, 1,465.2)   | 0.010999 (0.0076611, 0.0155725) | 937.2 (620.0, 1,351.0)     | 0.010664 (0.0070547, 0.0153727) |
| Sulawesi Utara | Cirrhosis                                     | 40  | 1,100.0 (718.9, 1,589.9)   | 0.011692 (0.0076408, 0.0168982) | 570.7 (342.3, 874.2)       | 0.006493 (0.0038948, 0.0099468) |
| Sulawesi Utara | Chronic respiratory diseases                  | 40  | 801.1 (504.0, 1,220.0)     | 0.008515 (0.0053571, 0.0129665) | 466.6 (286.9, 694.5)       | 0.005309 (0.0032648, 0.0079023) |
| Sulawesi Utara | Other non-communicable diseases               | 40  | 1,359.9 (978.6, 1,829.6)   | 0.014454 (0.0104013, 0.0194455) | 1,219.4 (846.6, 1,646.7)   | 0.013875 (0.0096325, 0.0187367) |
| Sulawesi Utara | Drowning                                      | 40  | 93.1 (22.9, 258.7)         | 0.000989 (0.0002432, 0.0027501) | 29.4 (6.7, 92.9)           | 0.000334 (0.0000767, 0.0010572) |
| Sulawesi Utara | Falls                                         | 40  | 138.0 (56.6, 246.2)        | 0.001467 (0.0006019, 0.0026172) | 60.3 (21.6, 115.8)         | 0.000686 (0.0002459, 0.0013179) |
| Sulawesi Utara | Interpersonal violence                        | 40  | 80.4 (41.5, 135.6)         | 0.000855 (0.0004406, 0.0014414) | 64.1 (25.9, 119.0)         | 0.000729 (0.0002951, 0.0013539) |
| Sulawesi Utara | Self-harm                                     | 40  | 158.7 (87.0, 262.9)        | 0.001687 (0.0009251, 0.0027941) | 108.3 (54.8, 190.4)        | 0.001232 (0.0006238, 0.0021667) |
| Sulawesi Utara | Transport injuries                            | 40  | 1,531.1 (997.5, 2,313.4)   | 0.016273 (0.0106023, 0.0245879) | 528.9 (310.1, 820.9)       | 0.006018 (0.0035287, 0.0093400) |
| Sulawesi Utara | Other unintentional injuries                  | 40  | 488.2 (282.5, 775.0)       | 0.005189 (0.0030023, 0.0082373) | 213.2 (114.4, 365.2)       | 0.002426 (0.0013017, 0.0041551) |
| Sulawesi Utara | Diarrheal diseases                            | 45  | 162.3 (71.9, 289.6)        | 0.002084 (0.0009231, 0.0037188) | 207.1 (97.3, 358.2)        | 0.002870 (0.0013480, 0.0049641) |
| Sulawesi Utara | HIV/AIDS                                      | 45  | 42.0 (6.3, 142.1)          | 0.000540 (0.0000809, 0.0018248) | 41.5 (5.9, 139.0)          | 0.000576 (0.0000824, 0.0019269) |
| Sulawesi Utara | Lower respiratory infections                  | 45  | 139.2 (61.3, 273.0)        | 0.001787 (0.0007874, 0.0035059) | 114.8 (48.4, 228.4)        | 0.001591 (0.0006713, 0.0031652) |
| Sulawesi Utara | Malaria                                       | 45  | 55.8 (8.3, 193.3)          | 0.000717 (0.0001062, 0.0024827) | 51.1 (7.3, 170.2)          | 0.000708 (0.0001013, 0.0023584) |
| Sulawesi Utara | Tuberculosis                                  | 45  | 1,001.7 (665.7, 1,432.5)   | 0.012864 (0.0085492, 0.0183954) | 829.7 (556.2, 1,169.9)     | 0.011499 (0.0077085, 0.0162134) |
| Sulawesi Utara | Maternal disorders                            | 45  |                            |                                 | 14.7 (4.9, 34.8)           | 0.000204 (0.0000681, 0.0004817) |
| Sulawesi Utara | Other communicable diseases                   | 45  | 359.4 (197.1, 577.4)       | 0.004616 (0.0025307, 0.0074143) | 313.9 (161.4, 522.4)       | 0.004351 (0.0022368, 0.0072400) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 45  | 251.4 (100.3, 512.7)       | 0.003228 (0.0012877, 0.0065845) | 123.4 (42.4, 267.8)        | 0.001711 (0.0005883, 0.0037113) |
| Sulawesi Utara | Breast cancer                                 | 45  | 44.0 (13.8, 111.3)         | 0.000565 (0.0001774, 0.0014292) | 1,947.5 (1,211.8, 2,823.7) | 0.026991 (0.0167941, 0.0391340) |
| Sulawesi Utara | Cervical cancer                               | 45  |                            |                                 | 1,091.2 (514.7, 1,892.4)   | 0.015123 (0.0071333, 0.0262264) |
| Sulawesi Utara | Other malignant neoplasms                     | 45  | 2,338.4 (1,646.1, 3,229.2) | 0.030030 (0.0211392, 0.0414693) | 829.7 (469.6, 1,338.3)     | 0.011499 (0.0065079, 0.0185481) |
| Sulawesi Utara | Cerebrovascular disease                       | 45  | 3,355.6 (2,610.9, 4,353.0) | 0.043092 (0.0335285, 0.0559006) | 3,150.4 (2,397.4, 3,969.3) | 0.043662 (0.0332257, 0.0550114) |
| Sulawesi Utara | Ischemic heart disease                        | 45  | 2,577.6 (1,919.3, 3,395.3) | 0.033101 (0.0246478, 0.0436025) | 1,754.8 (1,253.7, 2,356.0) | 0.024319 (0.0173746, 0.0326522) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 45  | 577.3 (356.3, 893.7)       | 0.007414 (0.0045760, 0.0114768) | 648.4 (397.7, 1,013.4)     | 0.008986 (0.0055113, 0.0140447) |
| Sulawesi Utara | Diabetes mellitus                             | 45  | 1,572.1 (1,129.9, 2,142.0) | 0.020189 (0.0145095, 0.0275074) | 2,850.1 (2,046.0, 3,843.5) | 0.039499 (0.0283554, 0.0532671) |
| Sulawesi Utara | Chronic kidney disease                        | 45  | 1,043.2 (731.3, 1,470.0)   | 0.013397 (0.0093917, 0.0188780) | 995.2 (678.3, 1,428.1)     | 0.013793 (0.0094007, 0.0197916) |
| Sulawesi Utara | Cirrhosis                                     | 45  | 1,037.9 (671.9, 1,517.1)   | 0.013329 (0.0086280, 0.0194821) | 574.9 (345.5, 893.5)       | 0.007968 (0.0047879, 0.0123833) |
| Sulawesi Utara | Chronic respiratory diseases                  | 45  | 908.5 (598.9, 1,355.5)     | 0.011666 (0.0076906, 0.0174072) | 575.4 (368.0, 841.3)       | 0.007974 (0.0051001, 0.0116590) |
| Sulawesi Utara | Other non-communicable diseases               | 45  | 1,241.3 (885.5, 1,695.7)   | 0.015941 (0.0113714, 0.0217756) | 1,188.5 (828.3, 1,624.7)   | 0.016472 (0.0114789, 0.0225169) |
| Sulawesi Utara | Drowning                                      | 45  | 53.9 (11.1, 152.6)         | 0.000692 (0.0001429, 0.0019594) | 18.9 (3.8, 60.5)           | 0.000262 (0.0000522, 0.0008387) |
| Sulawesi Utara | Falls                                         | 45  | 134.1 (56.7, 246.3)        | 0.001722 (0.0007287, 0.0031625) | 64.5 (24.2, 119.8)         | 0.000894 (0.0003360, 0.0016608) |
| Sulawesi Utara | Interpersonal violence                        | 45  | 63.3 (31.2, 112.5)         | 0.000813 (0.0004011, 0.0014445) | 53.5 (21.2, 96.2)          | 0.000741 (0.0002940, 0.0013337) |
| Sulawesi Utara | Self-harm                                     | 45  | 143.2 (76.8, 236.0)        | 0.001839 (0.0009865, 0.0030301) | 102.9 (50.0, 175.8)        | 0.001426 (0.0006935, 0.0024362) |
| Sulawesi Utara | Transport injuries                            | 45  | 1,373.2 (884.4, 2,045.0)   | 0.017634 (0.0113576, 0.0262614) | 509.8 (302.6, 778.8)       | 0.007066 (0.0041943, 0.0107939) |
| Sulawesi Utara | Other unintentional injuries                  | 45  | 410.9 (239.3, 659.5)       | 0.005277 (0.0030734, 0.0084694) | 192.7 (100.7, 323.6)       | 0.002671 (0.0013962, 0.0044853) |
| Sulawesi Utara | Diarrheal diseases                            | 50  | 212.6 (96.4, 384.1)        | 0.003128 (0.0014187, 0.0056499) | 279.5 (138.3, 467.1)       | 0.004306 (0.0021306, 0.0071967) |
| Sulawesi Utara | HIV/AIDS                                      | 50  | 18.3 (2.4, 68.0)           | 0.000269 (0.0000349, 0.0009997) | 18.5 (2.3, 66.4)           | 0.000285 (0.0000358, 0.0010237) |
| Sulawesi Utara | Lower respiratory infections                  | 50  | 169.0 (72.1, 319.9)        | 0.002486 (0.0010612, 0.0047059) | 149.5 (62.1, 288.1)        | 0.002304 (0.0009561, 0.0044396) |
| Sulawesi Utara | Malaria                                       | 50  | 61.1 (9.2, 201.1)          | 0.000899 (0.0001346, 0.0029576) | 52.8 (7.5, 177.3)          | 0.000814 (0.0001155, 0.0027325) |
| Sulawesi Utara | Tuberculosis                                  | 50  | 1,135.8 (751.7, 1,602.8)   | 0.016708 (0.0110581, 0.0235785) | 905.9 (610.6, 1,277.3)     | 0.013958 (0.0094076, 0.0196806) |
| Sulawesi Utara | Maternal disorders                            | 50  |                            |                                 | 5.4 (1.2, 15.6)            | 0.000083 (0.0000184, 0.0002397) |
| Sulawesi Utara | Other communicable diseases                   | 50  | 349.7 (189.6, 571.0)       | 0.005144 (0.0027892, 0.0084002) | 323.9 (173.7, 533.3)       | 0.004991 (0.0026761, 0.0082167) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 50  | 313.6 (121.8, 633.3)       | 0.004613 (0.0017921, 0.0093166) | 137.3 (49.3, 292.0)        | 0.002116 (0.0007603, 0.0044984) |
| Sulawesi Utara | Breast cancer                                 | 50  | 49.7 (17.6, 106.3)         | 0.000731 (0.0002583, 0.0015642) | 2,013.8 (1,235.3, 3,003.6) | 0.031028 (0.0190330, 0.0462787) |
| Sulawesi Utara | Cervical cancer                               | 50  |                            |                                 | 942.4 (423.3, 1,702.3)     | 0.014521 (0.0065226, 0.0262284) |
| Sulawesi Utara | Other malignant neoplasms                     | 50  | 2,352.4 (1,588.4, 3,280.3) | 0.034605 (0.0233659, 0.0482557) | 988.3 (556.1, 1,568.7)     | 0.015228 (0.0085685, 0.0241703) |
| Sulawesi Utara | Cerebrovascular disease                       | 50  | 4,614.7 (3,498.4, 5,889.8) | 0.067886 (0.0514634, 0.0866429) | 4,268.2 (3,277.7, 5,315.2) | 0.065764 (0.0505010, 0.0818950) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | Ischemic heart disease                        | 50  | 3,226.9 (2,363.0, 4,245.3) | 0.047470 (0.0347608, 0.0624522) | 2,072.2 (1,488.7, 2,769.3) | 0.031929 (0.0229374, 0.0426685) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 50  | 817.9 (506.3, 1,250.5)     | 0.012033 (0.0074475, 0.0183963) | 889.6 (549.8, 1,371.3)     | 0.013706 (0.0084715, 0.0211282) |
| Sulawesi Utara | Diabetes mellitus                             | 50  | 2,239.1 (1,592.2, 3,047.9) | 0.032939 (0.0234222, 0.0448376) | 3,855.8 (2,832.1, 5,108.0) | 0.059409 (0.0436355, 0.0787021) |
| Sulawesi Utara | Chronic kidney disease                        | 50  | 1,203.3 (828.2, 1,726.0)   | 0.017701 (0.0121829, 0.0253903) | 1,087.8 (745.6, 1,563.6)   | 0.016760 (0.0114883, 0.0240914) |
| Sulawesi Utara | Cirrhosis                                     | 50  | 1,111.8 (721.9, 1,616.7)   | 0.016355 (0.0106190, 0.0237828) | 623.7 (384.5, 959.7)       | 0.009610 (0.0059246, 0.0147867) |
| Sulawesi Utara | Chronic respiratory diseases                  | 50  | 1,283.1 (836.9, 1,842.3)   | 0.018876 (0.0123119, 0.0271019) | 809.3 (527.3, 1,154.6)     | 0.012469 (0.0081249, 0.0177892) |
| Sulawesi Utara | Other non-communicable diseases               | 50  | 1,377.3 (956.3, 1,861.4)   | 0.020261 (0.0140682, 0.0273829) | 1,295.1 (909.0, 1,762.5)   | 0.019954 (0.0140063, 0.0271566) |
| Sulawesi Utara | Drowning                                      | 50  | 34.0 (7.1, 95.2)           | 0.000500 (0.0001046, 0.0014005) | 13.8 (2.8, 39.0)           | 0.000213 (0.0000433, 0.0006014) |
| Sulawesi Utara | Falls                                         | 50  | 138.9 (57.3, 252.2)        | 0.002043 (0.0008430, 0.0037099) | 73.3 (29.6, 133.3)         | 0.001129 (0.0004559, 0.0020536) |
| Sulawesi Utara | Interpersonal violence                        | 50  | 54.0 (23.5, 97.3)          | 0.000794 (0.0003460, 0.0014310) | 42.2 (17.8, 76.6)          | 0.000651 (0.0002742, 0.0011798) |
| Sulawesi Utara | Self-harm                                     | 50  | 139.2 (71.5, 231.3)        | 0.002047 (0.0010525, 0.0034019) | 90.6 (46.2, 161.4)         | 0.001396 (0.0007120, 0.0024873) |
| Sulawesi Utara | Transport injuries                            | 50  | 1,049.7 (644.9, 1,652.6)   | 0.015442 (0.0094875, 0.0243109) | 402.3 (230.8, 626.6)       | 0.006199 (0.0035559, 0.0096547) |
| Sulawesi Utara | Other unintentional injuries                  | 50  | 338.6 (187.2, 534.0)       | 0.004981 (0.0027541, 0.0078555) | 158.8 (85.2, 261.0)        | 0.002447 (0.0013133, 0.0040218) |
| Sulawesi Utara | Diarrheal diseases                            | 55  | 228.8 (100.6, 412.3)       | 0.004198 (0.0018462, 0.0075651) | 286.2 (140.4, 490.0)       | 0.005645 (0.0027698, 0.0096651) |
| Sulawesi Utara | HIV/AIDS                                      | 55  | 7.4 (0.9, 27.0)            | 0.000136 (0.0000161, 0.0004946) | 7.4 (0.8, 27.5)            | 0.000146 (0.0000161, 0.0005427) |
| Sulawesi Utara | Lower respiratory infections                  | 55  | 167.0 (73.5, 314.5)        | 0.003064 (0.0013493, 0.0057708) | 146.6 (62.2, 277.4)        | 0.002892 (0.0012273, 0.0054722) |
| Sulawesi Utara | Malaria                                       | 55  | 61.7 (9.3, 196.8)          | 0.001133 (0.0001707, 0.0036118) | 50.0 (6.7, 164.5)          | 0.000985 (0.0001331, 0.0032442) |
| Sulawesi Utara | Tuberculosis                                  | 55  | 994.6 (641.5, 1,421.2)     | 0.018249 (0.0117704, 0.0260776) | 773.3 (508.9, 1,119.4)     | 0.015253 (0.0100386, 0.0220798) |
| Sulawesi Utara | Other communicable diseases                   | 55  | 326.6 (168.0, 537.2)       | 0.005994 (0.0030825, 0.0098569) | 289.7 (143.5, 480.6)       | 0.005714 (0.0028307, 0.0094788) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 55  | 357.2 (136.7, 721.2)       | 0.006555 (0.0025090, 0.0132324) | 120.0 (43.0, 256.1)        | 0.002367 (0.0008482, 0.0050517) |
| Sulawesi Utara | Breast cancer                                 | 55  | 40.4 (15.0, 91.0)          | 0.000742 (0.0002760, 0.0016702) | 1,589.5 (965.2, 2,362.6)   | 0.031353 (0.0190385, 0.0465999) |
| Sulawesi Utara | Cervical cancer                               | 55  |                            |                                 | 686.3 (286.2, 1,257.9)     | 0.013538 (0.0056444, 0.0248119) |
| Sulawesi Utara | Other malignant neoplasms                     | 55  | 1,877.1 (1,247.8, 2,655.8) | 0.034442 (0.0228951, 0.0487303) | 870.8 (474.7, 1,395.7)     | 0.017177 (0.0093639, 0.0275293) |
| Sulawesi Utara | Cerebrovascular disease                       | 55  | 5,421.1 (4,093.5, 6,843.9) | 0.099470 (0.0751102, 0.1255752) | 4,943.6 (3,842.5, 6,092.7) | 0.097509 (0.0757910, 0.1201743) |
| Sulawesi Utara | Ischemic heart disease                        | 55  | 3,728.7 (2,704.0, 4,808.7) | 0.068416 (0.0496148, 0.0882328) | 2,381.9 (1,747.0, 3,190.3) | 0.046981 (0.0344576, 0.0629263) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 55  | 944.6 (579.5, 1,438.4)     | 0.017331 (0.0106330, 0.0263918) | 1,006.8 (625.8, 1,506.5)   | 0.019858 (0.0123440, 0.0297153) |
| Sulawesi Utara | Diabetes mellitus                             | 55  | 2,432.6 (1,733.5, 3,277.9) | 0.044634 (0.0318069, 0.0601453) | 4,103.3 (3,040.6, 5,346.3) | 0.080936 (0.0599731, 0.1054524) |
| Sulawesi Utara | Chronic kidney disease                        | 55  | 1,201.2 (821.2, 1,724.8)   | 0.022040 (0.0150685, 0.0316480) | 1,064.2 (731.8, 1,510.4)   | 0.020990 (0.0144339, 0.0297927) |
| Sulawesi Utara | Cirrhosis                                     | 55  | 1,009.6 (652.9, 1,476.0)   | 0.018525 (0.0119791, 0.0270823) | 561.2 (342.4, 874.6)       | 0.011070 (0.0067537, 0.0172507) |
| Sulawesi Utara | Chronic respiratory diseases                  | 55  | 1,358.9 (903.6, 1,990.0)   | 0.024934 (0.0165798, 0.0365134) | 859.2 (580.0, 1,207.8)     | 0.016948 (0.0114392, 0.0238232) |
| Sulawesi Utara | Other non-communicable diseases               | 55  | 1,449.7 (991.2, 1,920.8)   | 0.026599 (0.0181877, 0.0352432) | 1,344.7 (944.2, 1,829.4)   | 0.026523 (0.0186231, 0.0360840) |
| Sulawesi Utara | Drowning                                      | 55  | 23.9 (4.9, 73.8)           | 0.000439 (0.0000895, 0.0013540) | 9.5 (1.7, 29.4)            | 0.000187 (0.0000338, 0.0005803) |
| Sulawesi Utara | Falls                                         | 55  | 146.3 (59.8, 274.3)        | 0.002684 (0.0010970, 0.0050339) | 74.7 (30.8, 135.1)         | 0.001474 (0.0006079, 0.0026651) |
| Sulawesi Utara | Interpersonal violence                        | 55  | 43.4 (18.3, 79.3)          | 0.000796 (0.0003357, 0.0014559) | 31.8 (12.4, 59.7)          | 0.000628 (0.0002438, 0.0011773) |
| Sulawesi Utara | Self-harm                                     | 55  | 128.5 (63.2, 219.6)        | 0.002358 (0.0011599, 0.0040294) | 78.2 (39.1, 139.1)         | 0.001542 (0.0007712, 0.0027432) |
| Sulawesi Utara | Transport injuries                            | 55  | 702.2 (414.4, 1,143.1)     | 0.012884 (0.0076040, 0.0209745) | 255.3 (142.2, 419.9)       | 0.005036 (0.0028043, 0.0082814) |
| Sulawesi Utara | Other unintentional injuries                  | 55  | 277.9 (149.7, 450.3)       | 0.005099 (0.0027461, 0.0082630) | 123.9 (65.9, 206.0)        | 0.002444 (0.0013004, 0.0040634) |
| Sulawesi Utara | Diarrheal diseases                            | 60  | 217.4 (100.5, 399.4)       | 0.006203 (0.0028666, 0.0113942) | 247.5 (122.2, 418.5)       | 0.007252 (0.0035818, 0.0122642) |
| Sulawesi Utara | HIV/AIDS                                      | 60  | 4.5 (0.5, 17.9)            | 0.000128 (0.0000153, 0.0005097) | 4.2 (0.5, 16.0)            | 0.000123 (0.0000141, 0.0004699) |
| Sulawesi Utara | Lower respiratory infections                  | 60  | 189.6 (82.2, 353.6)        | 0.005411 (0.0023440, 0.0100883) | 164.9 (71.7, 315.1)        | 0.004832 (0.0021020, 0.0092322) |
| Sulawesi Utara | Malaria                                       | 60  | 58.0 (9.0, 190.2)          | 0.001655 (0.0002558, 0.0054266) | 41.5 (6.2, 140.2)          | 0.001215 (0.0001830, 0.0041078) |
| Sulawesi Utara | Tuberculosis                                  | 60  | 1,048.8 (685.6, 1,450.3)   | 0.029923 (0.0195595, 0.0413779) | 789.7 (530.0, 1,093.3)     | 0.023142 (0.0155323, 0.0320368) |
| Sulawesi Utara | Other communicable diseases                   | 60  | 218.9 (104.9, 366.6)       | 0.006246 (0.0029937, 0.0104581) | 178.5 (85.5, 302.7)        | 0.005232 (0.0025045, 0.0088710) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 60  | 259.3 (97.3, 542.4)        | 0.007399 (0.0027764, 0.0154758) | 94.1 (32.6, 217.2)         | 0.002758 (0.0009565, 0.0063654) |
| Sulawesi Utara | Breast cancer                                 | 60  | 34.9 (12.5, 79.4)          | 0.000995 (0.0003564, 0.0022641) | 995.0 (578.0, 1,545.1)     | 0.029157 (0.0169362, 0.0452769) |
| Sulawesi Utara | Cervical cancer                               | 60  |                            |                                 | 513.8 (208.3, 959.3)       | 0.015058 (0.0061034, 0.0281123) |
| Sulawesi Utara | Other malignant neoplasms                     | 60  | 1,610.7 (1,056.1, 2,268.4) | 0.045954 (0.0301292, 0.0647179) | 711.5 (397.1, 1,154.7)     | 0.020848 (0.0116366, 0.0338381) |
| Sulawesi Utara | Cerebrovascular disease                       | 60  | 5,239.5 (3,899.6, 6,589.9) | 0.149482 (0.1112546, 0.1880101) | 4,632.1 (3,696.9, 5,655.4) | 0.135738 (0.1083315, 0.1657242) |
| Sulawesi Utara | Ischemic heart disease                        | 60  | 3,294.0 (2,341.9, 4,276.8) | 0.093978 (0.0668139, 0.1220175) | 2,193.7 (1,630.0, 2,904.9) | 0.064284 (0.0477656, 0.0851237) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 60  | 953.6 (585.2, 1,460.7)     | 0.027205 (0.0166946, 0.0416748) | 931.3 (591.4, 1,414.6)     | 0.027290 (0.0173299, 0.0414527) |
| Sulawesi Utara | Diabetes mellitus                             | 60  | 1,982.6 (1,382.5, 2,666.7) | 0.056565 (0.0394414, 0.0760804) | 3,228.0 (2,407.6, 4,207.3) | 0.094592 (0.0705510, 0.1232888) |
| Sulawesi Utara | Chronic kidney disease                        | 60  | 1,024.9 (699.9, 1,490.3)   | 0.029239 (0.0199684, 0.0425193) | 857.1 (595.3, 1,221.5)     | 0.025117 (0.0174432, 0.0357951) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | Cirrhosis                                     | 60  | 759.8 (482.9, 1,129.6)     | 0.021677 (0.0137783, 0.0322284) | 408.8 (251.4, 632.4)       | 0.011980 (0.0073677, 0.0185324) |
| Sulawesi Utara | Chronic respiratory diseases                  | 60  | 1,768.0 (1,165.3, 2,470.6) | 0.050442 (0.0332458, 0.0704854) | 1,001.3 (688.6, 1,359.5)   | 0.029341 (0.0201782, 0.0398390) |
| Sulawesi Utara | Other non-communicable diseases               | 60  | 1,463.0 (987.1, 1,923.4)   | 0.041740 (0.0281607, 0.0548755) | 1,283.1 (918.0, 1,711.6)   | 0.037600 (0.0269008, 0.0501571) |
| Sulawesi Utara | Drowning                                      | 60  | 13.4 (2.7, 42.1)           | 0.000383 (0.0000761, 0.0011997) | 5.4 (0.9, 16.0)            | 0.000157 (0.0000274, 0.0004682) |
| Sulawesi Utara | Falls                                         | 60  | 97.2 (38.1, 187.2)         | 0.002774 (0.0010881, 0.0053401) | 48.9 (19.6, 88.3)          | 0.001434 (0.0005739, 0.0025879) |
| Sulawesi Utara | Interpersonal violence                        | 60  | 27.1 (10.4, 52.2)          | 0.000772 (0.0002967, 0.0014884) | 18.3 (6.8, 36.0)           | 0.000536 (0.0001987, 0.0010559) |
| Sulawesi Utara | Self-harm                                     | 60  | 92.7 (45.6, 169.9)         | 0.002645 (0.0013021, 0.0048459) | 51.4 (26.6, 95.2)          | 0.001507 (0.0007797, 0.0027901) |
| Sulawesi Utara | Transport injuries                            | 60  | 480.0 (272.2, 785.9)       | 0.013693 (0.0077667, 0.0224214) | 168.6 (94.8, 274.4)        | 0.004941 (0.0027770, 0.0080395) |
| Sulawesi Utara | Other unintentional injuries                  | 60  | 190.3 (98.5, 315.5)        | 0.005429 (0.0028109, 0.0090018) | 80.7 (41.6, 136.6)         | 0.002365 (0.0012188, 0.0040023) |
| Sulawesi Utara | Diarrheal diseases                            | 65  | 279.8 (142.4, 471.1)       | 0.011791 (0.0060000, 0.0198489) | 351.9 (194.9, 550.6)       | 0.013946 (0.0077220, 0.0218196) |
| Sulawesi Utara | HIV/AIDS                                      | 65  | 3.4 (0.4, 12.7)            | 0.000141 (0.0000150, 0.0005334) | 3.5 (0.4, 13.8)            | 0.000139 (0.0000156, 0.0005482) |
| Sulawesi Utara | Lower respiratory infections                  | 65  | 172.3 (74.1, 324.8)        | 0.007260 (0.0031242, 0.0136843) | 175.1 (77.2, 329.7)        | 0.006941 (0.0030575, 0.0130663) |
| Sulawesi Utara | Malaria                                       | 65  | 47.8 (7.1, 156.1)          | 0.002014 (0.0003003, 0.0065766) | 35.5 (5.1, 118.5)          | 0.001405 (0.0002014, 0.0046954) |
| Sulawesi Utara | Tuberculosis                                  | 65  | 870.4 (550.0, 1,227.4)     | 0.036674 (0.0231740, 0.0517182) | 714.4 (476.5, 982.0)       | 0.028310 (0.0188810, 0.0389142) |
| Sulawesi Utara | Other communicable diseases                   | 65  | 165.4 (76.8, 289.6)        | 0.006969 (0.0032365, 0.0122034) | 152.2 (73.5, 269.8)        | 0.006030 (0.0029122, 0.0106904) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 65  | 202.4 (76.2, 422.0)        | 0.008528 (0.0032087, 0.0177806) | 69.1 (23.9, 156.0)         | 0.002737 (0.0009466, 0.0061804) |
| Sulawesi Utara | Breast cancer                                 | 65  | 23.9 (7.3, 56.0)           | 0.001008 (0.0003079, 0.0023600) | 659.9 (353.1, 1,070.2)     | 0.026150 (0.0139913, 0.0424086) |
| Sulawesi Utara | Cervical cancer                               | 65  |                            |                                 | 400.7 (158.0, 761.5)       | 0.015879 (0.0062615, 0.0301757) |
| Sulawesi Utara | Other malignant neoplasms                     | 65  | 1,050.8 (668.7, 1,500.4)   | 0.044277 (0.0281777, 0.0632210) | 617.5 (348.1, 995.6)       | 0.024472 (0.0137959, 0.0394533) |
| Sulawesi Utara | Cerebrovascular disease                       | 65  | 4,475.2 (3,260.9, 5,674.0) | 0.188568 (0.1374008, 0.2390801) | 4,570.9 (3,705.4, 5,554.4) | 0.181138 (0.1468382, 0.2201115) |
| Sulawesi Utara | Ischemic heart disease                        | 65  | 2,638.8 (1,836.0, 3,455.7) | 0.111186 (0.0773595, 0.1456068) | 1,985.1 (1,483.3, 2,630.4) | 0.078665 (0.0587812, 0.1042378) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 65  | 870.7 (523.8, 1,322.8)     | 0.036688 (0.0220725, 0.0557378) | 965.4 (624.5, 1,464.8)     | 0.038257 (0.0247487, 0.0580495) |
| Sulawesi Utara | Diabetes mellitus                             | 65  | 1,317.5 (883.5, 1,821.9)   | 0.055516 (0.0372278, 0.0767654) | 2,503.7 (1,836.5, 3,283.3) | 0.099219 (0.0727777, 0.1301098) |
| Sulawesi Utara | Chronic kidney disease                        | 65  | 794.4 (521.6, 1,168.9)     | 0.033473 (0.0219763, 0.0492512) | 747.7 (521.4, 1,066.6)     | 0.029631 (0.0206609, 0.0422660) |
| Sulawesi Utara | Cirrhosis                                     | 65  | 485.6 (299.8, 741.5)       | 0.020461 (0.0126332, 0.0312438) | 307.7 (187.0, 479.4)       | 0.012195 (0.0074099, 0.0189980) |
| Sulawesi Utara | Chronic respiratory diseases                  | 65  | 1,591.4 (1,044.1, 2,232.1) | 0.067056 (0.0439919, 0.0940522) | 1,044.7 (735.7, 1,406.0)   | 0.041399 (0.0291535, 0.0557182) |
| Sulawesi Utara | Other non-communicable diseases               | 65  | 1,351.0 (909.9, 1,779.0)   | 0.056927 (0.0383389, 0.0749602) | 1,359.9 (981.1, 1,780.1)   | 0.053891 (0.0388791, 0.0705441) |
| Sulawesi Utara | Drowning                                      | 65  | 8.3 (1.5, 25.2)            | 0.000352 (0.0000625, 0.0010629) | 4.2 (0.8, 12.2)            | 0.000168 (0.0000307, 0.0004822) |
| Sulawesi Utara | Falls                                         | 65  | 78.9 (31.6, 151.6)         | 0.003324 (0.0013299, 0.0063865) | 48.5 (19.6, 87.9)          | 0.001922 (0.0007783, 0.0034847) |
| Sulawesi Utara | Interpersonal violence                        | 65  | 17.0 (5.7, 36.0)           | 0.000714 (0.0002419, 0.0015170) | 12.5 (4.4, 26.6)           | 0.000495 (0.0001747, 0.0010550) |
| Sulawesi Utara | Self-harm                                     | 65  | 66.8 (30.9, 123.8)         | 0.002815 (0.0013025, 0.0052175) | 39.7 (19.8, 72.0)          | 0.001575 (0.0007833, 0.0028541) |
| Sulawesi Utara | Transport injuries                            | 65  | 312.7 (175.4, 525.0)       | 0.013175 (0.0073910, 0.0221228) | 130.0 (71.0, 212.6)        | 0.005153 (0.0028124, 0.0084246) |
| Sulawesi Utara | Other unintentional injuries                  | 65  | 137.0 (70.3, 231.8)        | 0.005774 (0.0029631, 0.0097670) | 66.9 (33.7, 112.7)         | 0.002651 (0.0013361, 0.0044672) |
| Sulawesi Utara | Diarrheal diseases                            | 70  | 370.2 (200.9, 600.7)       | 0.021577 (0.0117101, 0.0350044) | 539.2 (319.0, 822.5)       | 0.023969 (0.0141821, 0.0365650) |
| Sulawesi Utara | HIV/AIDS                                      | 70  | 4.2 (0.5, 16.5)            | 0.000243 (0.0000277, 0.0009624) | 5.3 (0.6, 20.4)            | 0.000234 (0.0000262, 0.0009069) |
| Sulawesi Utara | Lower respiratory infections                  | 70  | 203.5 (89.8, 373.3)        | 0.011857 (0.0052345, 0.0217543) | 261.0 (121.5, 485.5)       | 0.011601 (0.0054002, 0.0215843) |
| Sulawesi Utara | Malaria                                       | 70  | 41.6 (5.8, 140.8)          | 0.002427 (0.0003355, 0.0082027) | 34.8 (4.8, 116.8)          | 0.001549 (0.0002128, 0.0051920) |
| Sulawesi Utara | Tuberculosis                                  | 70  | 811.8 (500.5, 1,155.3)     | 0.047308 (0.0291673, 0.0673249) | 831.5 (543.5, 1,165.0)     | 0.036964 (0.0241623, 0.0517866) |
| Sulawesi Utara | Other communicable diseases                   | 70  | 163.4 (77.2, 289.9)        | 0.009524 (0.0044982, 0.0168933) | 175.8 (86.7, 306.5)        | 0.007814 (0.0038556, 0.0136254) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 70  | 160.3 (58.9, 341.0)        | 0.009343 (0.0034317, 0.0198744) | 67.1 (22.7, 150.8)         | 0.002984 (0.0010103, 0.0067029) |
| Sulawesi Utara | Breast cancer                                 | 70  | 16.3 (4.4, 41.4)           | 0.000950 (0.0002582, 0.0024099) | 480.0 (250.7, 794.6)       | 0.021337 (0.0111455, 0.0353215) |
| Sulawesi Utara | Cervical cancer                               | 70  |                            |                                 | 322.8 (124.4, 632.8)       | 0.014350 (0.0055279, 0.0281310) |
| Sulawesi Utara | Other malignant neoplasms                     | 70  | 758.2 (481.9, 1,095.6)     | 0.044184 (0.0280840, 0.0638490) | 585.4 (326.3, 931.6)       | 0.026024 (0.0145070, 0.0414134) |
| Sulawesi Utara | Cerebrovascular disease                       | 70  | 4,226.4 (3,038.2, 5,388.5) | 0.246296 (0.1770547, 0.3140168) | 5,558.1 (4,521.7, 6,717.6) | 0.247078 (0.2010033, 0.2986225) |
| Sulawesi Utara | Ischemic heart disease                        | 70  | 2,316.1 (1,567.2, 3,073.9) | 0.134971 (0.0913270, 0.1791324) | 2,361.9 (1,774.3, 3,075.9) | 0.104995 (0.0788755, 0.1367331) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 70  | 884.8 (528.2, 1,343.2)     | 0.051563 (0.0307790, 0.0782779) | 1,215.2 (783.5, 1,807.9)   | 0.054019 (0.0348313, 0.0803694) |
| Sulawesi Utara | Diabetes mellitus                             | 70  | 908.3 (588.7, 1,261.4)     | 0.052930 (0.0343044, 0.0735115) | 2,250.7 (1,639.8, 2,987.5) | 0.100050 (0.0728944, 0.1328037) |
| Sulawesi Utara | Chronic kidney disease                        | 70  | 638.3 (415.6, 953.8)       | 0.037197 (0.0242180, 0.0555857) | 761.4 (530.8, 1,072.6)     | 0.033846 (0.0235965, 0.0476794) |
| Sulawesi Utara | Cirrhosis                                     | 70  | 376.9 (227.2, 575.8)       | 0.021966 (0.0132417, 0.0335565) | 307.2 (189.4, 481.5)       | 0.013657 (0.0084210, 0.0214053) |
| Sulawesi Utara | Chronic respiratory diseases                  | 70  | 1,799.3 (1,213.9, 2,494.2) | 0.104853 (0.0707434, 0.1453544) | 1,468.8 (1,052.8, 1,961.2) | 0.065294 (0.0468006, 0.0871840) |
| Sulawesi Utara | Other non-communicable diseases               | 70  | 1,381.0 (923.1, 1,841.0)   | 0.080481 (0.0537959, 0.1072865) | 1,759.1 (1,281.4, 2,302.6) | 0.078198 (0.0569609, 0.1023587) |
| Sulawesi Utara | Drowning                                      | 70  | 13.0 (2.5, 41.6)           | 0.000757 (0.0001433, 0.0024231) | 8.5 (1.6, 26.5)            | 0.000377 (0.0000726, 0.0011794) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Utara | Falls                                         | 70  | 79.3 (30.6, 146.2)         | 0.004621 (0.0017844, 0.0085228) | 62.3 (25.5, 110.4)         | 0.002769 (0.0011328, 0.0049063) |
| Sulawesi Utara | Interpersonal violence                        | 70  | 11.0 (3.4, 24.8)           | 0.000642 (0.0002007, 0.0014468) | 10.0 (3.2, 22.3)           | 0.000443 (0.0001426, 0.0009933) |
| Sulawesi Utara | Self-harm                                     | 70  | 51.5 (23.5, 98.9)          | 0.002999 (0.0013721, 0.0057636) | 37.4 (17.8, 70.0)          | 0.001661 (0.0007911, 0.0031111) |
| Sulawesi Utara | Transport injuries                            | 70  | 269.1 (143.3, 460.5)       | 0.015684 (0.0083523, 0.0268367) | 141.4 (77.0, 228.8)        | 0.006287 (0.0034251, 0.0101707) |
| Sulawesi Utara | Other unintentional injuries                  | 70  | 120.8 (62.3, 203.5)        | 0.007042 (0.0036283, 0.0118603) | 73.8 (39.3, 124.5)         | 0.003279 (0.0017456, 0.0055348) |
| Sulawesi Utara | Diarrheal diseases                            | 75  | 295.6 (161.6, 474.0)       | 0.028787 (0.0157389, 0.0461568) | 534.5 (324.1, 801.0)       | 0.034711 (0.0210458, 0.0520213) |
| Sulawesi Utara | HIV/AIDS                                      | 75  | 2.1 (0.2, 7.9)             | 0.000206 (0.0000226, 0.0007721) | 3.3 (0.4, 12.3)            | 0.000215 (0.0000256, 0.0008020) |
| Sulawesi Utara | Lower respiratory infections                  | 75  | 143.1 (66.5, 265.1)        | 0.013929 (0.0064786, 0.0258162) | 230.1 (108.1, 419.0)       | 0.014942 (0.0070197, 0.0272115) |
| Sulawesi Utara | Malaria                                       | 75  | 27.5 (3.7, 96.9)           | 0.002678 (0.0003568, 0.0094389) | 28.2 (3.7, 99.4)           | 0.001832 (0.0002416, 0.0064555) |
| Sulawesi Utara | Tuberculosis                                  | 75  | 446.4 (259.7, 657.9)       | 0.043465 (0.0252901, 0.0640625) | 566.0 (361.9, 814.3)       | 0.036761 (0.0235054, 0.0528852) |
| Sulawesi Utara | Other communicable diseases                   | 75  | 106.5 (50.0, 193.4)        | 0.010374 (0.0048708, 0.0188347) | 142.7 (69.1, 257.1)        | 0.009271 (0.0044896, 0.0167001) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 75  | 87.1 (30.9, 185.9)         | 0.008478 (0.0030071, 0.0181016) | 42.4 (14.3, 97.2)          | 0.002751 (0.0009267, 0.0063109) |
| Sulawesi Utara | Breast cancer                                 | 75  | 6.8 (1.6, 17.9)            | 0.000660 (0.0001562, 0.0017397) | 268.7 (133.4, 454.6)       | 0.017452 (0.0086620, 0.0295257) |
| Sulawesi Utara | Cervical cancer                               | 75  |                            |                                 | 185.2 (70.3, 360.7)        | 0.012027 (0.0045668, 0.0234247) |
| Sulawesi Utara | Other malignant neoplasms                     | 75  | 376.4 (230.5, 567.3)       | 0.036646 (0.0224467, 0.0552353) | 436.3 (249.8, 686.8)       | 0.028335 (0.0162229, 0.0446067) |
| Sulawesi Utara | Cerebrovascular disease                       | 75  | 2,790.0 (1,946.2, 3,618.9) | 0.271655 (0.1895003, 0.3523694) | 4,735.7 (3,874.5, 5,623.1) | 0.307562 (0.2516266, 0.3651940) |
| Sulawesi Utara | Ischemic heart disease                        | 75  | 1,631.5 (1,091.8, 2,191.6) | 0.158859 (0.1063040, 0.2133919) | 2,139.7 (1,615.3, 2,761.7) | 0.138966 (0.1049041, 0.1793579) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 75  | 593.0 (346.8, 895.2)       | 0.057741 (0.0337657, 0.0871635) | 1,048.3 (682.0, 1,544.1)   | 0.068082 (0.0442945, 0.1002845) |
| Sulawesi Utara | Diabetes mellitus                             | 75  | 495.9 (318.3, 717.2)       | 0.048283 (0.0309897, 0.0698290) | 1,599.8 (1,157.8, 2,112.5) | 0.103901 (0.0751933, 0.1371956) |
| Sulawesi Utara | Chronic kidney disease                        | 75  | 368.7 (235.3, 556.2)       | 0.035901 (0.0229114, 0.0541539) | 564.7 (394.5, 792.0)       | 0.036677 (0.0256231, 0.0514388) |
| Sulawesi Utara | Cirrhosis                                     | 75  | 218.6 (132.4, 334.3)       | 0.021284 (0.0128946, 0.0325454) | 230.3 (144.2, 361.8)       | 0.014955 (0.0093642, 0.0234998) |
| Sulawesi Utara | Chronic respiratory diseases                  | 75  | 1,145.1 (742.1, 1,603.9)   | 0.111501 (0.0722614, 0.1561694) | 1,197.8 (871.9, 1,579.0)   | 0.077791 (0.0566247, 0.1025510) |
| Sulawesi Utara | Other non-communicable diseases               | 75  | 1,039.1 (680.8, 1,404.0)   | 0.101177 (0.0662916, 0.1367053) | 1,702.8 (1,273.5, 2,190.4) | 0.110591 (0.0827060, 0.1422568) |
| Sulawesi Utara | Drowning                                      | 75  | 13.5 (2.8, 43.8)           | 0.001311 (0.0002681, 0.0042693) | 11.1 (2.4, 32.7)           | 0.000720 (0.0001569, 0.0021245) |
| Sulawesi Utara | Falls                                         | 75  | 69.1 (28.4, 127.0)         | 0.006725 (0.0027651, 0.0123702) | 68.1 (29.6, 117.1)         | 0.004422 (0.0019251, 0.0076041) |
| Sulawesi Utara | Interpersonal violence                        | 75  | 5.8 (1.3, 16.1)            | 0.000562 (0.0001307, 0.0015720) | 6.4 (1.6, 17.3)            | 0.000419 (0.0001035, 0.0011267) |
| Sulawesi Utara | Self-harm                                     | 75  | 32.3 (13.4, 66.0)          | 0.003148 (0.0013033, 0.0064244) | 28.9 (13.2, 57.6)          | 0.001880 (0.0008567, 0.0037430) |
| Sulawesi Utara | Transport injuries                            | 75  | 142.7 (73.1, 246.1)        | 0.013899 (0.0071190, 0.0239659) | 93.7 (49.9, 160.3)         | 0.006083 (0.0032400, 0.0104100) |
| Sulawesi Utara | Other unintentional injuries                  | 75  | 81.0 (40.7, 142.4)         | 0.007884 (0.0039595, 0.0138612) | 61.5 (32.6, 105.1)         | 0.003996 (0.0021154, 0.0068244) |
| Sulawesi Utara | Diarrheal diseases                            | 80  | 476.4 (301.3, 704.6)       | 0.072620 (0.0459234, 0.1074027) | 993.9 (664.8, 1,380.0)     | 0.084457 (0.0564914, 0.1172684) |
| Sulawesi Utara | HIV/AIDS                                      | 80  | 2.1 (0.2, 8.4)             | 0.000314 (0.0000315, 0.0012775) | 4.1 (0.4, 17.2)            | 0.000346 (0.0000337, 0.0014609) |
| Sulawesi Utara | Lower respiratory infections                  | 80  | 161.7 (76.3, 288.8)        | 0.024644 (0.0116317, 0.0440285) | 330.2 (159.8, 582.9)       | 0.028055 (0.0135778, 0.0495334) |
| Sulawesi Utara | Malaria                                       | 80  | 28.2 (3.5, 101.0)          | 0.004292 (0.0005346, 0.0153935) | 35.1 (4.3, 126.9)          | 0.002985 (0.0003649, 0.0107811) |
| Sulawesi Utara | Tuberculosis                                  | 80  | 385.2 (234.3, 579.1)       | 0.058726 (0.0357153, 0.0882815) | 670.2 (425.9, 995.0)       | 0.056949 (0.0361904, 0.0845477) |
| Sulawesi Utara | Other communicable diseases                   | 80  | 117.6 (60.4, 206.8)        | 0.017934 (0.0092103, 0.0315318) | 179.9 (90.4, 322.8)        | 0.015284 (0.0076814, 0.0274266) |
| Sulawesi Utara | Tracheal, bronchus, and lung cancer           | 80  | 62.4 (23.5, 131.6)         | 0.009513 (0.0035790, 0.0200627) | 43.4 (14.3, 101.0)         | 0.003688 (0.0012153, 0.0085849) |
| Sulawesi Utara | Breast cancer                                 | 80  | 4.6 (1.0, 12.9)            | 0.000708 (0.0001534, 0.0019735) | 210.4 (97.3, 393.2)        | 0.017879 (0.0082677, 0.0334117) |
| Sulawesi Utara | Cervical cancer                               | 80  |                            |                                 | 134.9 (46.7, 286.7)        | 0.011465 (0.0039653, 0.0243646) |
| Sulawesi Utara | Other malignant neoplasms                     | 80  | 285.4 (183.4, 416.5)       | 0.043500 (0.0279631, 0.0634869) | 410.7 (240.0, 636.9)       | 0.034898 (0.0203981, 0.0541176) |
| Sulawesi Utara | Cerebrovascular disease                       | 80  | 2,592.2 (2,004.9, 3,178.6) | 0.395159 (0.3056314, 0.4845499) | 5,711.1 (4,806.7, 6,610.5) | 0.485308 (0.4084554, 0.5617318) |
| Sulawesi Utara | Ischemic heart disease                        | 80  | 1,361.4 (990.4, 1,740.0)   | 0.207537 (0.1509786, 0.2652490) | 2,559.3 (1,964.8, 3,245.3) | 0.217482 (0.1669584, 0.2757705) |
| Sulawesi Utara | Other cardiovascular and circulatory diseases | 80  | 515.2 (320.8, 768.8)       | 0.078534 (0.0489065, 0.1171936) | 1,151.3 (739.1, 1,706.0)   | 0.097835 (0.0628051, 0.1449734) |
| Sulawesi Utara | Diabetes mellitus                             | 80  | 363.8 (248.5, 503.4)       | 0.055454 (0.0378797, 0.0767396) | 1,553.7 (1,134.6, 2,071.3) | 0.132031 (0.0964125, 0.1760128) |
| Sulawesi Utara | Chronic kidney disease                        | 80  | 278.1 (188.8, 402.5)       | 0.042397 (0.0287822, 0.0613542) | 564.2 (392.0, 789.8)       | 0.047943 (0.0333105, 0.0671124) |
| Sulawesi Utara | Cirrhosis                                     | 80  | 172.4 (108.7, 258.5)       | 0.026274 (0.0165707, 0.0394076) | 230.5 (145.5, 359.6)       | 0.019589 (0.0123629, 0.0305582) |
| Sulawesi Utara | Chronic respiratory diseases                  | 80  | 1,073.1 (769.6, 1,433.3)   | 0.163583 (0.1173195, 0.2184908) | 1,406.2 (1,011.1, 1,832.8) | 0.119491 (0.0859177, 0.1557479) |
| Sulawesi Utara | Other non-communicable diseases               | 80  | 1,064.7 (762.8, 1,364.7)   | 0.162296 (0.1162836, 0.2080267) | 2,233.9 (1,718.8, 2,824.7) | 0.189829 (0.1460572, 0.2400292) |
| Sulawesi Utara | Drowning                                      | 80  | 13.0 (2.4, 41.6)           | 0.001976 (0.0003670, 0.0063395) | 12.2 (2.2, 41.0)           | 0.001037 (0.0001887, 0.0034828) |
| Sulawesi Utara | Falls                                         | 80  | 87.3 (38.1, 149.6)         | 0.013315 (0.0058052, 0.0228064) | 101.2 (46.6, 170.8)        | 0.008598 (0.0039580, 0.0145136) |
| Sulawesi Utara | Interpersonal violence                        | 80  | 4.1 (0.7, 12.8)            | 0.000626 (0.0001008, 0.0019462) | 6.0 (1.0, 18.8)            | 0.000507 (0.0000812, 0.0015982) |
| Sulawesi Utara | Self-harm                                     | 80  | 27.5 (10.3, 59.2)          | 0.004186 (0.0015736, 0.0090206) | 32.2 (12.6, 67.7)          | 0.002738 (0.0010705, 0.0057541) |
| Sulawesi Utara | Transport injuries                            | 80  | 117.4 (60.1, 205.5)        | 0.017894 (0.0091615, 0.0313200) | 92.8 (45.2, 164.1)         | 0.007889 (0.0038376, 0.0139422) |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males         |                      |                          |                         | Females       |                      |                          |                         |
|-----------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|-------------------------|---------------|----------------------|--------------------------|-------------------------|
|                 |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                         |
| Sulawesi Utara  | Other unintentional injuries                             | 80  | 71.3          | (35.2, 122.9)        | 0.010873                 | (0.0053700, 0.0187293)  | 67.0          | (31.9, 118.0)        | 0.005693                 | (0.0027090, 0.0100261)  |
| Sulawesi Utara  | Diarrheal diseases                                       | All | 5,630.8       | (3,134.7, 8,587.6)   | 0.004560                 | (0.0025385, 0.0069545)  | 6,621.5       | (3,940.1, 9,961.1)   | 0.005593                 | (0.0033284, 0.0084145)  |
| Sulawesi Utara  | HIV/AIDS                                                 | All | 1,105.5       | (200.4, 3,241.0)     | 0.000895                 | (0.0001623, 0.0026247)  | 787.6         | (145.6, 2,307.6)     | 0.000665                 | (0.0001230, 0.0019493)  |
| Sulawesi Utara  | Lower respiratory infections                             | All | 8,021.4       | (4,690.8, 12,328.8)  | 0.006496                 | (0.0037987, 0.0099842)  | 5,679.6       | (3,474.0, 8,617.4)   | 0.004798                 | (0.0029346, 0.0072794)  |
| Sulawesi Utara  | Malaria                                                  | All | 942.8         | (142.3, 3,035.8)     | 0.000764                 | (0.0001153, 0.0024584)  | 721.0         | (112.1, 2,246.3)     | 0.000609                 | (0.0000947, 0.0018975)  |
| Sulawesi Utara  | Tuberculosis                                             | All | 13,049.3      | (8,662.7, 18,301.5)  | 0.010568                 | (0.0070153, 0.0148211)  | 9,840.5       | (6,588.5, 13,771.5)  | 0.008313                 | (0.0055655, 0.0116332)  |
| Sulawesi Utara  | Maternal disorders                                       | All |               |                      |                          |                         | 1,311.6       | (705.1, 2,223.7)     | 0.001108                 | (0.0005956, 0.0018784)  |
| Sulawesi Utara  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 8,396.7       | (3,462.4, 15,758.5)  | 0.006800                 | (0.0028039, 0.0127617)  | 5,491.7       | (2,148.8, 10,679.9)  | 0.004639                 | (0.0018152, 0.0090216)  |
| Sulawesi Utara  | Preterm birth complications                              | All | 9,647.7       | (3,714.6, 17,839.0)  | 0.007813                 | (0.0030081, 0.0144465)  | 8,364.3       | (3,328.2, 15,855.5)  | 0.007066                 | (0.0028114, 0.0133936)  |
| Sulawesi Utara  | Other neonatal disorders                                 | All | 10,472.4      | (3,544.8, 20,828.8)  | 0.008481                 | (0.0028707, 0.0168678)  | 6,826.2       | (2,086.1, 14,611.2)  | 0.005766                 | (0.0017622, 0.0123425)  |
| Sulawesi Utara  | Other communicable diseases                              | All | 11,428.0      | (7,322.1, 16,616.8)  | 0.009255                 | (0.0059296, 0.0134567)  | 7,911.4       | (5,032.4, 11,618.8)  | 0.006683                 | (0.0042510, 0.0098148)  |
| Sulawesi Utara  | Tracheal, bronchus, and lung cancer                      | All | 2,343.4       | (938.1, 4,697.3)     | 0.001898                 | (0.0007597, 0.0038040)  | 1,079.1       | (390.8, 2,318.4)     | 0.000912                 | (0.0003301, 0.0019585)  |
| Sulawesi Utara  | Breast cancer                                            | All | 306.3         | (112.6, 660.5)       | 0.000248                 | (0.0000912, 0.0005349)  | 13,796.5      | (8,402.9, 20,363.4)  | 0.011654                 | (0.0070982, 0.0172016)  |
| Sulawesi Utara  | Cervical cancer                                          | All |               |                      |                          |                         | 8,721.5       | (4,197.7, 15,027.1)  | 0.007367                 | (0.0035459, 0.0126938)  |
| Sulawesi Utara  | Other malignant neoplasms                                | All | 21,138.3      | (14,827.6, 29,133.0) | 0.017118                 | (0.0120078, 0.0235927)  | 11,777.7      | (7,541.8, 17,427.2)  | 0.009949                 | (0.0063708, 0.0147213)  |
| Sulawesi Utara  | Cerebrovascular disease                                  | All | 39,699.5      | (29,911.9, 50,460.5) | 0.032150                 | (0.0242235, 0.0408643)  | 43,652.7      | (34,845.9, 53,012.7) | 0.036875                 | (0.0294353, 0.0447814)  |
| Sulawesi Utara  | Ischemic heart disease                                   | All | 26,983.4      | (19,776.5, 35,120.8) | 0.021852                 | (0.0160155, 0.0284418)  | 21,070.5      | (15,653.9, 27,873.0) | 0.017799                 | (0.0132233, 0.0235451)  |
| Sulawesi Utara  | Other cardiovascular and circulatory diseases            | All | 7,927.4       | (4,888.5, 12,003.8)  | 0.006420                 | (0.0039588, 0.0097210)  | 9,733.9       | (6,196.1, 14,685.9)  | 0.008223                 | (0.0052341, 0.0124056)  |
| Sulawesi Utara  | Diabetes mellitus                                        | All | 13,633.1      | (9,659.7, 18,405.5)  | 0.011040                 | (0.0078227, 0.0149053)  | 26,198.1      | (19,171.5, 34,744.7) | 0.022130                 | (0.0161947, 0.0293498)  |
| Sulawesi Utara  | Chronic kidney disease                                   | All | 11,024.7      | (7,780.8, 15,519.7)  | 0.008928                 | (0.0063011, 0.0125682)  | 10,713.3      | (7,462.6, 14,960.4)  | 0.009050                 | (0.0063039, 0.0126375)  |
| Sulawesi Utara  | Cirrhosis                                                | All | 9,539.4       | (6,291.0, 13,700.3)  | 0.007725                 | (0.0050946, 0.0110949)  | 5,476.6       | (3,358.9, 8,407.8)   | 0.004626                 | (0.0028374, 0.0071023)  |
| Sulawesi Utara  | Chronic respiratory diseases                             | All | 14,520.5      | (9,751.2, 20,719.7)  | 0.011759                 | (0.0078968, 0.0167794)  | 10,459.4      | (7,175.4, 14,458.2)  | 0.008835                 | (0.0060613, 0.0122132)  |
| Sulawesi Utara  | Other non-communicable diseases                          | All | 27,457.7      | (20,031.7, 35,713.5) | 0.022236                 | (0.0162222, 0.0289218)  | 27,586.2      | (20,805.4, 35,316.9) | 0.023303                 | (0.0175749, 0.0298332)  |
| Sulawesi Utara  | Drowning                                                 | All | 3,772.5       | (1,195.7, 8,001.6)   | 0.003055                 | (0.0009683, 0.0064800)  | 1,245.2       | (374.3, 2,767.6)     | 0.001052                 | (0.0003162, 0.0023379)  |
| Sulawesi Utara  | Falls                                                    | All | 2,157.0       | (926.0, 3,735.8)     | 0.001747                 | (0.0007499, 0.0030253)  | 1,075.0       | (451.7, 1,893.2)     | 0.000908                 | (0.0003816, 0.0015992)  |
| Sulawesi Utara  | Interpersonal violence                                   | All | 1,198.9       | (741.5, 1,871.4)     | 0.000971                 | (0.0006005, 0.0015156)  | 895.5         | (470.2, 1,464.9)     | 0.000757                 | (0.0003972, 0.0012375)  |
| Sulawesi Utara  | Self-harm                                                | All | 2,015.3       | (1,240.3, 3,061.0)   | 0.001632                 | (0.0010044, 0.0024789)  | 1,346.5       | (743.2, 2,192.8)     | 0.001138                 | (0.0006278, 0.0018523)  |
| Sulawesi Utara  | Transport injuries                                       | All | 24,164.4      | (17,287.6, 33,581.3) | 0.019569                 | (0.0140000, 0.0271951)  | 8,875.9       | (5,868.2, 12,420.2)  | 0.007498                 | (0.0049570, 0.0104917)  |
| Sulawesi Utara  | Other unintentional injuries                             | All | 7,659.0       | (4,870.2, 11,311.0)  | 0.006203                 | (0.0039440, 0.0091599)  | 3,237.2       | (1,929.7, 4,960.5)   | 0.002735                 | (0.0016300, 0.0041903)  |
| Sulawesi Tengah | Diarrheal diseases                                       | NN  | 1,278.0       | (471.4, 2,628.7)     | 0.539079                 | (0.1988344, 1.1088560)  | 891.2         | (323.1, 1,955.9)     | 0.390534                 | (0.1415896, 0.8570429)  |
| Sulawesi Tengah | Lower respiratory infections                             | NN  | 13,192.4      | (5,983.3, 22,993.7)  | 5.564859                 | (2.5238810, 9.6992531)  | 7,077.5       | (3,104.8, 13,332.2)  | 3.101300                 | (1.3605070, 5.8420358)  |
| Sulawesi Tengah | Malaria                                                  | NN  | 71.8          | (6.8, 297.8)         | 0.030274                 | (0.0028598, 0.1256000)  | 37.3          | (3.9, 153.7)         | 0.016328                 | (0.0017001, 0.0673681)  |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 27,764.9      | (13,348.0, 47,061.1) | 11.711870                | (5.6304822, 19.8514309) | 16,377.7      | (7,933.1, 29,169.2)  | 7.176558                 | (3.4762199, 12.7816601) |
| Sulawesi Tengah | Preterm birth complications                              | NN  | 17,490.9      | (7,470.0, 32,619.8)  | 7.378056                 | (3.1510279, 13.7597704) | 13,709.7      | (6,072.3, 25,574.7)  | 6.007480                 | (2.6608191, 11.2066002) |
| Sulawesi Tengah | Other neonatal disorders                                 | NN  | 19,196.7      | (7,682.6, 35,446.0)  | 8.097575                 | (3.2406890, 14.9519300) | 10,954.6      | (4,211.2, 21,684.8)  | 4.800220                 | (1.8453170, 9.5020714)  |
| Sulawesi Tengah | Other communicable diseases                              | NN  | 1,190.9       | (421.3, 2,490.6)     | 0.502360                 | (0.1777070, 1.0505790)  | 575.4         | (194.3, 1,266.5)     | 0.252132                 | (0.0851539, 0.5549742)  |
| Sulawesi Tengah | Other malignant neoplasms                                | NN  | 653.2         | (213.6, 1,419.2)     | 0.275547                 | (0.0900976, 0.5986625)  | 455.0         | (147.0, 1,000.4)     | 0.199388                 | (0.0644070, 0.4383849)  |
| Sulawesi Tengah | Cerebrovascular disease                                  | NN  | 134.9         | (32.6, 359.2)        | 0.056905                 | (0.0137593, 0.1515320)  | 121.5         | (28.0, 335.4)        | 0.053245                 | (0.0122593, 0.1469723)  |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | NN  | 136.7         | (27.3, 396.0)        | 0.057647                 | (0.0114968, 0.1670552)  | 119.4         | (23.5, 346.8)        | 0.052304                 | (0.0103029, 0.1519583)  |
| Sulawesi Tengah | Diabetes mellitus                                        | NN  | 46.4          | (0.2, 411.0)         | 0.019568                 | (0.0000890, 0.1733838)  | 51.0          | (0.3, 433.7)         | 0.022359                 | (0.0001261, 0.1900291)  |
| Sulawesi Tengah | Other non-communicable diseases                          | NN  | 10,539.5      | (5,024.7, 17,929.6)  | 4.445817                 | (2.1195381, 7.5630898)  | 8,278.5       | (3,979.7, 14,870.0)  | 3.627547                 | (1.7438591, 6.5158858)  |
| Sulawesi Tengah | Drowning                                                 | NN  | 856.0         | (234.6, 2,114.1)     | 0.361081                 | (0.0989739, 0.8917776)  | 154.1         | (38.8, 425.4)        | 0.067514                 | (0.0169848, 0.1864071)  |
| Sulawesi Tengah | Falls                                                    | NN  | 322.7         | (85.3, 831.6)        | 0.136117                 | (0.0359679, 0.3507771)  | 81.2          | (19.3, 216.6)        | 0.035596                 | (0.0084626, 0.0948975)  |
| Sulawesi Tengah | Interpersonal violence                                   | NN  | 332.0         | (85.7, 898.4)        | 0.140027                 | (0.0361573, 0.3789677)  | 152.5         | (38.4, 400.4)        | 0.066836                 | (0.0168173, 0.1754699)  |
| Sulawesi Tengah | Transport injuries                                       | NN  | 628.9         | (177.1, 1,522.2)     | 0.265298                 | (0.0747085, 0.6421140)  | 119.2         | (32.7, 308.9)        | 0.052244                 | (0.0143178, 0.1353761)  |
| Sulawesi Tengah | Other unintentional injuries                             | NN  | 2,008.8       | (671.1, 4,418.6)     | 0.847378                 | (0.2830944, 1.8638530)  | 514.6         | (174.9, 1,194.4)     | 0.225508                 | (0.0766307, 0.5233659)  |
| Sulawesi Tengah | Diarrheal diseases                                       | PNN | 504.5         | (221.8, 912.6)       | 0.017051                 | (0.0074975, 0.0308417)  | 552.7         | (247.7, 987.5)       | 0.019404                 | (0.0086970, 0.0346684)  |
| Sulawesi Tengah | HIV/AIDS                                                 | PNN | 18.0          | (3.6, 52.7)          | 0.000609                 | (0.0001223, 0.0017819)  | 14.7          | (2.8, 43.8)          | 0.000517                 | (0.0000996, 0.0015390)  |
| Sulawesi Tengah | Lower respiratory infections                             | PNN | 452.9         | (217.9, 785.5)       | 0.015307                 | (0.0073644, 0.0265463)  | 362.0         | (168.3, 669.7)       | 0.012708                 | (0.0059096, 0.0235126)  |
| Sulawesi Tengah | Malaria                                                  | PNN | 27.6          | (2.9, 99.0)          | 0.000933                 | (0.0000987, 0.0033470)  | 22.4          | (2.5, 76.7)          | 0.000788                 | (0.0000894, 0.0026937)  |

Aim 2 Supplementary Tables

| Location        | Cause group                                              | Age | Males                       |                                 | Females                     |                                 |
|-----------------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|                 |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Sulawesi Tengah | Tuberculosis                                             | PNN | 42.0 (15.2, 91.6)           | 0.001420 (0.0005152, 0.0030969) | 36.5 (12.7, 80.5)           | 0.001281 (0.0004446, 0.0028260) |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 30.8 (7.8, 83.4)            | 0.001040 (0.0002622, 0.0028183) | 25.2 (7.0, 71.8)            | 0.000884 (0.0002444, 0.0025206) |
| Sulawesi Tengah | Preterm birth complications                              | PNN | 42.5 (13.7, 95.5)           | 0.001438 (0.0004629, 0.0032284) | 53.2 (17.0, 129.9)          | 0.001866 (0.0005970, 0.0045603) |
| Sulawesi Tengah | Other neonatal disorders                                 | PNN | 85.1 (19.9, 220.9)          | 0.002876 (0.0006718, 0.0074639) | 69.6 (15.3, 187.4)          | 0.002443 (0.0005380, 0.0065784) |
| Sulawesi Tengah | Other communicable diseases                              | PNN | 522.3 (241.0, 915.2)        | 0.017650 (0.0081433, 0.0309299) | 398.2 (172.5, 746.8)        | 0.013979 (0.0060576, 0.0262174) |
| Sulawesi Tengah | Other malignant neoplasms                                | PNN | 13.4 (4.7, 29.1)            | 0.000453 (0.0001604, 0.0009833) | 13.5 (4.6, 29.8)            | 0.000474 (0.0001611, 0.0010479) |
| Sulawesi Tengah | Cerebrovascular disease                                  | PNN | 2.8 (0.7, 7.6)              | 0.000094 (0.0000240, 0.0002557) | 3.6 (0.9, 9.4)              | 0.000126 (0.0000317, 0.0003288) |
| Sulawesi Tengah | Ischemic heart disease                                   | PNN | 1.4 (0.1, 6.4)              | 0.000047 (0.0000029, 0.0002167) | 1.8 (0.1, 7.9)              | 0.000062 (0.0000039, 0.0002785) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | PNN | 2.8 (0.6, 7.5)              | 0.000094 (0.0000203, 0.0002551) | 3.5 (0.7, 10.2)             | 0.000124 (0.0000259, 0.0003582) |
| Sulawesi Tengah | Diabetes mellitus                                        | PNN | 0.9 (0.0, 8.4)              | 0.000031 (0.0000002, 0.0002847) | 1.6 (0.0, 12.9)             | 0.000055 (0.0000003, 0.0004532) |
| Sulawesi Tengah | Chronic kidney disease                                   | PNN | 15.0 (5.3, 32.8)            | 0.000506 (0.0001789, 0.0011073) | 15.0 (5.5, 34.6)            | 0.000527 (0.0001929, 0.0012137) |
| Sulawesi Tengah | Other non-communicable diseases                          | PNN | 214.2 (102.2, 370.6)        | 0.007240 (0.0034544, 0.0125243) | 243.1 (115.0, 433.8)        | 0.008533 (0.0040357, 0.0152307) |
| Sulawesi Tengah | Drowning                                                 | PNN | 21.4 (6.0, 50.9)            | 0.000724 (0.0002038, 0.0017192) | 5.6 (1.5, 14.3)             | 0.000198 (0.0000510, 0.0005018) |
| Sulawesi Tengah | Falls                                                    | PNN | 7.8 (2.1, 19.4)             | 0.000264 (0.0000699, 0.0006548) | 2.9 (0.7, 7.4)              | 0.000100 (0.0000252, 0.0002596) |
| Sulawesi Tengah | Interpersonal violence                                   | PNN | 7.8 (2.1, 20.2)             | 0.000264 (0.0000715, 0.0006810) | 5.2 (1.4, 12.6)             | 0.000184 (0.0000475, 0.0004427) |
| Sulawesi Tengah | Transport injuries                                       | PNN | 15.6 (4.5, 35.7)            | 0.000526 (0.0001534, 0.0012076) | 4.3 (1.3, 11.3)             | 0.000151 (0.0000449, 0.0003953) |
| Sulawesi Tengah | Other unintentional injuries                             | PNN | 47.6 (17.8, 98.5)           | 0.001610 (0.0006018, 0.0033287) | 17.7 (6.3, 38.3)            | 0.000623 (0.0002224, 0.0013445) |
| Sulawesi Tengah | Diarrheal diseases                                       | 1   | 4,441.5 (1,558.5, 9,865.5)  | 0.033037 (0.0115926, 0.0733813) | 5,597.6 (2,249.7, 12,216.6) | 0.044973 (0.0180746, 0.0981523) |
| Sulawesi Tengah | HIV/AIDS                                                 | 1   | 344.3 (63.3, 1,112.2)       | 0.002561 (0.0004706, 0.0082729) | 326.3 (58.9, 1,039.0)       | 0.002622 (0.0004733, 0.0083480) |
| Sulawesi Tengah | Lower respiratory infections                             | 1   | 8,425.1 (3,226.2, 18,699.6) | 0.062668 (0.0239967, 0.1390906) | 7,887.7 (3,322.3, 16,663.9) | 0.063373 (0.0266921, 0.1338839) |
| Sulawesi Tengah | Malaria                                                  | 1   | 198.0 (17.1, 934.9)         | 0.001473 (0.0001270, 0.0069538) | 185.8 (18.9, 750.3)         | 0.001493 (0.0001521, 0.0060278) |
| Sulawesi Tengah | Tuberculosis                                             | 1   | 850.2 (243.9, 2,101.7)      | 0.006324 (0.0018141, 0.0156332) | 862.9 (267.4, 2,058.9)      | 0.006933 (0.0021484, 0.0165416) |
| Sulawesi Tengah | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 305.1 (69.4, 843.7)         | 0.002270 (0.0005161, 0.0062753) | 275.0 (64.1, 759.8)         | 0.002209 (0.0005153, 0.0061048) |
| Sulawesi Tengah | Preterm birth complications                              | 1   | 82.7 (10.1, 309.7)          | 0.000615 (0.0000753, 0.0023036) | 114.9 (15.8, 420.6)         | 0.000924 (0.0001266, 0.0033794) |
| Sulawesi Tengah | Other neonatal disorders                                 | 1   | 124.5 (0.9, 857.2)          | 0.000926 (0.0000070, 0.0063760) | 106.0 (0.8, 683.5)          | 0.000852 (0.0000067, 0.0054912) |
| Sulawesi Tengah | Other communicable diseases                              | 1   | 9,875.0 (3,688.9, 21,625.2) | 0.073452 (0.0274386, 0.1608516) | 8,872.2 (3,563.5, 18,335.7) | 0.071282 (0.0286305, 0.1473150) |
| Sulawesi Tengah | Other malignant neoplasms                                | 1   | 164.5 (48.5, 392.2)         | 0.001223 (0.0003608, 0.0029176) | 214.1 (65.0, 522.2)         | 0.001721 (0.0005220, 0.0041954) |
| Sulawesi Tengah | Cerebrovascular disease                                  | 1   | 37.5 (7.4, 107.5)           | 0.000279 (0.0000549, 0.0007998) | 62.2 (14.2, 170.7)          | 0.000499 (0.0001138, 0.0013712) |
| Sulawesi Tengah | Ischemic heart disease                                   | 1   | 18.8 (1.0, 92.1)            | 0.000140 (0.0000078, 0.0006851) | 31.6 (1.7, 157.7)           | 0.000254 (0.0000138, 0.0012667) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | 1   | 35.0 (6.5, 110.0)           | 0.000260 (0.0000483, 0.0008182) | 56.8 (10.7, 177.8)          | 0.000456 (0.0000858, 0.0014283) |
| Sulawesi Tengah | Diabetes mellitus                                        | 1   | 12.2 (0.1, 97.1)            | 0.000091 (0.0000004, 0.0007222) | 26.2 (0.1, 224.8)           | 0.000210 (0.0000010, 0.0018059) |
| Sulawesi Tengah | Chronic kidney disease                                   | 1   | 180.0 (49.9, 488.8)         | 0.001339 (0.0003709, 0.0036360) | 231.2 (72.9, 573.3)         | 0.001858 (0.0005855, 0.0046062) |
| Sulawesi Tengah | Cirrhosis                                                | 1   | 253.5 (61.2, 680.2)         | 0.001885 (0.0004556, 0.0050598) | 182.8 (47.5, 513.7)         | 0.001469 (0.0003813, 0.0041274) |
| Sulawesi Tengah | Chronic respiratory diseases                             | 1   | 737.6 (204.3, 1,760.4)      | 0.005487 (0.0015195, 0.0130943) | 438.4 (126.4, 1,137.0)      | 0.003522 (0.0010159, 0.0091348) |
| Sulawesi Tengah | Other non-communicable diseases                          | 1   | 2,653.5 (994.6, 5,834.9)    | 0.019737 (0.0073982, 0.0434008) | 3,881.6 (1,568.4, 7,874.1)  | 0.031186 (0.0126010, 0.0632636) |
| Sulawesi Tengah | Drowning                                                 | 1   | 1,207.0 (317.8, 3,159.2)    | 0.008978 (0.0023635, 0.0234987) | 395.8 (96.4, 1,007.8)       | 0.003180 (0.0007742, 0.0080970) |
| Sulawesi Tengah | Falls                                                    | 1   | 308.9 (74.5, 849.8)         | 0.002298 (0.0005539, 0.0063207) | 139.9 (31.4, 384.8)         | 0.001124 (0.0002523, 0.0030913) |
| Sulawesi Tengah | Interpersonal violence                                   | 1   | 258.6 (61.5, 718.3)         | 0.001923 (0.0004578, 0.0053428) | 212.9 (54.7, 571.5)         | 0.001710 (0.0004398, 0.0045920) |
| Sulawesi Tengah | Transport injuries                                       | 1   | 784.2 (208.5, 2,112.3)      | 0.005833 (0.0015508, 0.0157114) | 268.4 (75.0, 696.5)         | 0.002157 (0.0006029, 0.0055960) |
| Sulawesi Tengah | Other unintentional injuries                             | 1   | 1,626.6 (500.5, 3,789.3)    | 0.012099 (0.0037225, 0.0281855) | 750.3 (224.3, 1,905.3)      | 0.006028 (0.0018020, 0.0153075) |
| Sulawesi Tengah | Diarrheal diseases                                       | 5   | 1,576.5 (932.7, 2,327.1)    | 0.009009 (0.0053302, 0.0132982) | 1,580.7 (994.9, 2,255.3)    | 0.009652 (0.0060748, 0.0137701) |
| Sulawesi Tengah | HIV/AIDS                                                 | 5   | 92.4 (16.6, 277.6)          | 0.000528 (0.0000948, 0.0015866) | 68.7 (13.0, 194.3)          | 0.000419 (0.0000795, 0.0011861) |
| Sulawesi Tengah | Lower respiratory infections                             | 5   | 2,114.4 (1,426.1, 2,938.4)  | 0.012083 (0.0081495, 0.0167920) | 1,558.4 (1,052.6, 2,150.1)  | 0.009515 (0.0064269, 0.0131281) |
| Sulawesi Tengah | Malaria                                                  | 5   | 70.3 (8.5, 241.7)           | 0.000402 (0.0000485, 0.0013812) | 52.7 (6.6, 178.1)           | 0.000322 (0.0000402, 0.0010875) |
| Sulawesi Tengah | Tuberculosis                                             | 5   | 301.9 (128.2, 580.1)        | 0.001725 (0.0007328, 0.0033153) | 241.4 (104.2, 455.5)        | 0.001474 (0.0006360, 0.0027812) |
| Sulawesi Tengah | Other communicable diseases                              | 5   | 3,458.0 (2,469.1, 4,540.4)  | 0.019761 (0.0141098, 0.0259468) | 2,469.9 (1,719.6, 3,310.4)  | 0.015080 (0.0104994, 0.0202121) |
| Sulawesi Tengah | Other malignant neoplasms                                | 5   | 505.4 (256.1, 867.5)        | 0.002888 (0.0014635, 0.0049575) | 523.9 (271.4, 858.3)        | 0.003199 (0.0016573, 0.0052403) |
| Sulawesi Tengah | Cerebrovascular disease                                  | 5   | 79.7 (33.8, 152.7)          | 0.000456 (0.0001929, 0.0008724) | 103.4 (45.1, 185.3)         | 0.000631 (0.0002752, 0.0011314) |
| Sulawesi Tengah | Ischemic heart disease                                   | 5   | 44.6 (15.5, 99.7)           | 0.000255 (0.0000888, 0.0005696) | 58.2 (21.6, 120.6)          | 0.000355 (0.0001321, 0.0007363) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases            | 5   | 84.1 (27.4, 194.9)          | 0.000481 (0.0001564, 0.0011137) | 105.9 (38.0, 237.1)         | 0.000647 (0.0002321, 0.0014477) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Sulawesi Tengah | Diabetes mellitus                             | 5   | 72.5 (24.4, 161.1)         | 0.000414 (0.0001395, 0.0009207) | 120.8 (43.6, 267.8)      | 0.000738 (0.0002659, 0.0016349) |
| Sulawesi Tengah | Chronic kidney disease                        | 5   | 188.2 (89.0, 350.1)        | 0.001076 (0.0005084, 0.0020009) | 194.5 (95.3, 344.0)      | 0.001188 (0.0005821, 0.0021004) |
| Sulawesi Tengah | Cirrhosis                                     | 5   | 341.6 (157.4, 594.7)       | 0.001952 (0.0008993, 0.003982)  | 198.1 (87.0, 356.4)      | 0.001210 (0.0005315, 0.0021762) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 5   | 312.3 (144.9, 553.7)       | 0.001785 (0.0008281, 0.0031644) | 145.1 (63.5, 273.5)      | 0.000886 (0.0003879, 0.0016696) |
| Sulawesi Tengah | Other non-communicable diseases               | 5   | 1,209.9 (824.6, 1,701.5)   | 0.006914 (0.0047124, 0.0097231) | 1,405.9 (984.2, 1,872.5) | 0.008584 (0.0060095, 0.0114331) |
| Sulawesi Tengah | Drowning                                      | 5   | 2,371.2 (1,289.9, 3,635.0) | 0.013551 (0.0073714, 0.0207724) | 873.6 (416.1, 1,555.2)   | 0.005334 (0.0025409, 0.0094954) |
| Sulawesi Tengah | Falls                                         | 5   | 319.3 (124.0, 609.0)       | 0.001825 (0.0007084, 0.0034799) | 148.9 (56.0, 304.4)      | 0.000909 (0.0003418, 0.0018587) |
| Sulawesi Tengah | Interpersonal violence                        | 5   | 119.4 (41.5, 262.4)        | 0.000683 (0.0002369, 0.0014992) | 100.8 (35.8, 222.8)      | 0.000616 (0.0002183, 0.0013601) |
| Sulawesi Tengah | Transport injuries                            | 5   | 1,543.3 (809.4, 2,518.7)   | 0.008819 (0.0046256, 0.0143933) | 575.4 (267.1, 1,020.8)   | 0.003514 (0.0016306, 0.0062325) |
| Sulawesi Tengah | Other unintentional injuries                  | 5   | 878.3 (449.5, 1,562.2)     | 0.005019 (0.0025688, 0.0089272) | 420.1 (215.3, 779.6)     | 0.002565 (0.0013143, 0.0047603) |
| Sulawesi Tengah | Diarrheal diseases                            | 10  | 617.6 (325.1, 1,026.8)     | 0.004130 (0.0021738, 0.0068670) | 619.7 (327.8, 1,007.7)   | 0.004270 (0.0022586, 0.0069426) |
| Sulawesi Tengah | HIV/AIDS                                      | 10  | 73.2 (18.3, 190.6)         | 0.000490 (0.0001221, 0.0012743) | 54.3 (13.7, 141.5)       | 0.000374 (0.0000947, 0.0009750) |
| Sulawesi Tengah | Lower respiratory infections                  | 10  | 1,168.2 (704.7, 1,694.2)   | 0.007813 (0.0047126, 0.0113300) | 845.8 (512.0, 1,251.8)   | 0.005827 (0.0035276, 0.0086246) |
| Sulawesi Tengah | Malaria                                       | 10  | 110.2 (15.2, 359.7)        | 0.000737 (0.0001016, 0.0024056) | 80.5 (10.9, 257.0)       | 0.000555 (0.0000754, 0.0017705) |
| Sulawesi Tengah | Tuberculosis                                  | 10  | 563.0 (283.9, 955.8)       | 0.003765 (0.0018986, 0.0063921) | 439.5 (225.0, 735.7)     | 0.003028 (0.0015502, 0.0050690) |
| Sulawesi Tengah | Maternal disorders                            | 10  |                            |                                 | 31.3 (5.4, 82.7)         | 0.000216 (0.0000375, 0.0005697) |
| Sulawesi Tengah | Other communicable diseases                   | 10  | 2,021.0 (1,425.7, 2,711.9) | 0.013515 (0.0095345, 0.0181361) | 1,420.7 (968.5, 1,905.6) | 0.009788 (0.0066730, 0.0131288) |
| Sulawesi Tengah | Other malignant neoplasms                     | 10  | 557.4 (318.6, 887.4)       | 0.003727 (0.0021306, 0.0059342) | 583.9 (345.8, 911.2)     | 0.004023 (0.0023821, 0.0062783) |
| Sulawesi Tengah | Cerebrovascular disease                       | 10  | 98.3 (51.3, 172.4)         | 0.000657 (0.0003428, 0.0011528) | 125.2 (66.6, 204.3)      | 0.000863 (0.0004591, 0.0014074) |
| Sulawesi Tengah | Ischemic heart disease                        | 10  | 82.0 (39.1, 146.6)         | 0.000549 (0.0002616, 0.0009807) | 103.3 (52.6, 180.2)      | 0.000712 (0.0003624, 0.0012414) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 10  | 95.9 (40.2, 201.8)         | 0.000641 (0.0002686, 0.0013498) | 119.4 (50.0, 243.8)      | 0.000823 (0.0003443, 0.0016797) |
| Sulawesi Tengah | Diabetes mellitus                             | 10  | 77.7 (37.0, 142.9)         | 0.000520 (0.0002476, 0.0009555) | 129.1 (64.3, 227.4)      | 0.000890 (0.0004433, 0.0015670) |
| Sulawesi Tengah | Chronic kidney disease                        | 10  | 199.3 (115.1, 324.4)       | 0.001333 (0.0007695, 0.0021697) | 204.2 (121.1, 325.2)     | 0.001407 (0.0008344, 0.0022405) |
| Sulawesi Tengah | Cirrhosis                                     | 10  | 295.5 (161.0, 474.3)       | 0.001976 (0.0010766, 0.0031717) | 172.1 (90.8, 286.8)      | 0.001186 (0.0006255, 0.0019762) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 10  | 470.7 (258.5, 741.2)       | 0.003148 (0.0017287, 0.0049565) | 227.4 (114.1, 384.4)     | 0.001567 (0.0007864, 0.0026487) |
| Sulawesi Tengah | Other non-communicable diseases               | 10  | 1,067.8 (752.6, 1,471.9)   | 0.007141 (0.0050329, 0.0098431) | 1,214.9 (886.8, 1,618.1) | 0.008371 (0.0061099, 0.0111484) |
| Sulawesi Tengah | Drowning                                      | 10  | 1,005.6 (471.3, 1,677.5)   | 0.006725 (0.0031515, 0.0112182) | 338.0 (132.1, 642.4)     | 0.002329 (0.0009103, 0.0044262) |
| Sulawesi Tengah | Falls                                         | 10  | 224.2 (86.9, 455.2)        | 0.001500 (0.0005808, 0.0030441) | 98.4 (37.9, 209.2)       | 0.000678 (0.0002614, 0.0014413) |
| Sulawesi Tengah | Interpersonal violence                        | 10  | 148.3 (70.7, 281.8)        | 0.000992 (0.0004729, 0.0018846) | 114.7 (51.9, 208.5)      | 0.000790 (0.0003574, 0.0014363) |
| Sulawesi Tengah | Self-harm                                     | 10  | 166.9 (66.6, 339.6)        | 0.001116 (0.0004455, 0.0022710) | 111.4 (42.0, 232.2)      | 0.000768 (0.0002897, 0.0015999) |
| Sulawesi Tengah | Transport injuries                            | 10  | 1,829.6 (1,178.7, 2,594.0) | 0.012235 (0.0078822, 0.0173474) | 667.8 (379.3, 1,055.3)   | 0.004601 (0.0026132, 0.0072709) |
| Sulawesi Tengah | Other unintentional injuries                  | 10  | 693.0 (394.2, 1,138.3)     | 0.004635 (0.0026365, 0.0076124) | 306.9 (161.6, 556.9)     | 0.002114 (0.0011133, 0.0038367) |
| Sulawesi Tengah | Diarrheal diseases                            | 15  | 314.4 (129.9, 594.3)       | 0.002535 (0.0010472, 0.0047919) | 254.2 (109.5, 471.2)     | 0.002062 (0.0008886, 0.0038232) |
| Sulawesi Tengah | HIV/AIDS                                      | 15  | 70.7 (16.1, 189.2)         | 0.000570 (0.0001301, 0.0015257) | 44.0 (9.5, 118.0)        | 0.000357 (0.0000769, 0.0009576) |
| Sulawesi Tengah | Lower respiratory infections                  | 15  | 632.9 (322.4, 1,100.2)     | 0.005103 (0.0025997, 0.0088710) | 341.9 (168.1, 606.1)     | 0.002774 (0.0013639, 0.0049174) |
| Sulawesi Tengah | Malaria                                       | 15  | 221.1 (37.1, 616.6)        | 0.001783 (0.0002995, 0.0049715) | 139.7 (24.2, 361.3)      | 0.001133 (0.0001967, 0.0029315) |
| Sulawesi Tengah | Tuberculosis                                  | 15  | 1,021.9 (590.8, 1,577.6)   | 0.008239 (0.0047638, 0.0127201) | 628.5 (389.5, 956.8)     | 0.005100 (0.0031607, 0.0077636) |
| Sulawesi Tengah | Maternal disorders                            | 15  |                            |                                 | 684.8 (412.2, 1,049.6)   | 0.005557 (0.0033447, 0.0085164) |
| Sulawesi Tengah | Other communicable diseases                   | 15  | 1,277.6 (781.7, 1,936.5)   | 0.010302 (0.0063031, 0.0156143) | 695.8 (406.6, 1,077.6)   | 0.005646 (0.0032992, 0.0087436) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 15  | 54.3 (12.5, 138.6)         | 0.000437 (0.0001008, 0.0011175) | 23.8 (5.0, 63.0)         | 0.000193 (0.0000406, 0.0005108) |
| Sulawesi Tengah | Breast cancer                                 | 15  | 3.4 (0.3, 14.9)            | 0.000027 (0.0000025, 0.0001201) | 99.3 (26.1, 256.2)       | 0.000806 (0.0002116, 0.0020791) |
| Sulawesi Tengah | Cervical cancer                               | 15  |                            |                                 | 86.1 (17.4, 245.7)       | 0.000699 (0.0001408, 0.0019936) |
| Sulawesi Tengah | Other malignant neoplasms                     | 15  | 574.9 (318.1, 909.9)       | 0.004635 (0.0025649, 0.0073370) | 680.8 (372.2, 1,086.2)   | 0.005524 (0.0030200, 0.0088130) |
| Sulawesi Tengah | Cerebrovascular disease                       | 15  | 162.0 (87.7, 273.6)        | 0.001306 (0.0007072, 0.0022062) | 196.8 (108.0, 324.0)     | 0.001596 (0.0008764, 0.0026290) |
| Sulawesi Tengah | Ischemic heart disease                        | 15  | 225.0 (122.6, 368.1)       | 0.001814 (0.0009885, 0.0029679) | 240.4 (130.5, 394.7)     | 0.001950 (0.0010591, 0.0032021) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 15  | 132.9 (55.4, 272.2)        | 0.001072 (0.0004466, 0.0021946) | 177.5 (68.7, 375.6)      | 0.001440 (0.0005572, 0.0030473) |
| Sulawesi Tengah | Diabetes mellitus                             | 15  | 106.3 (53.6, 188.9)        | 0.000857 (0.0004318, 0.0015230) | 194.1 (99.7, 342.0)      | 0.001575 (0.0008089, 0.0027749) |
| Sulawesi Tengah | Chronic kidney disease                        | 15  | 249.3 (142.1, 406.1)       | 0.002010 (0.0011455, 0.0032748) | 286.1 (162.2, 450.3)     | 0.002321 (0.0013158, 0.0036540) |
| Sulawesi Tengah | Cirrhosis                                     | 15  | 317.0 (174.2, 526.7)       | 0.002556 (0.0014047, 0.0042471) | 195.8 (105.4, 345.6)     | 0.001589 (0.0008554, 0.0028042) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 15  | 419.8 (227.8, 681.0)       | 0.003385 (0.0018371, 0.0054910) | 263.5 (129.5, 443.1)     | 0.002138 (0.0010508, 0.0035955) |
| Sulawesi Tengah | Other non-communicable diseases               | 15  | 1,133.0 (791.3, 1,556.7)   | 0.009136 (0.0063807, 0.0125515) | 1,292.5 (955.4, 1,747.3) | 0.010488 (0.0077517, 0.0141773) |
| Sulawesi Tengah | Drowning                                      | 15  | 501.2 (198.5, 953.1)       | 0.004042 (0.0016002, 0.0076853) | 154.7 (53.7, 341.8)      | 0.001255 (0.0004353, 0.0027730) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tengah | Falls                                         | 15  | 184.4 (79.8, 362.2)        | 0.001487 (0.0006434, 0.0029205) | 81.5 (31.7, 169.7)         | 0.000661 (0.0002571, 0.0013771) |
| Sulawesi Tengah | Interpersonal violence                        | 15  | 289.3 (156.8, 488.1)       | 0.002333 (0.0012646, 0.0039354) | 257.6 (120.2, 474.6)       | 0.002090 (0.0009757, 0.0038507) |
| Sulawesi Tengah | Self-harm                                     | 15  | 278.1 (131.4, 516.7)       | 0.002243 (0.0010593, 0.0041663) | 218.4 (93.6, 427.3)        | 0.001772 (0.0007597, 0.0034671) |
| Sulawesi Tengah | Transport injuries                            | 15  | 4,400.9 (3,347.4, 5,584.7) | 0.035485 (0.0269903, 0.0450298) | 1,908.9 (1,307.4, 2,594.4) | 0.015489 (0.0106081, 0.0210504) |
| Sulawesi Tengah | Other unintentional injuries                  | 15  | 883.3 (536.6, 1,416.5)     | 0.007122 (0.0043263, 0.0114218) | 421.0 (221.5, 739.4)       | 0.003416 (0.0017975, 0.0059992) |
| Sulawesi Tengah | Diarrheal diseases                            | 20  | 327.1 (135.8, 652.0)       | 0.002802 (0.0011630, 0.0055831) | 205.8 (93.7, 385.3)        | 0.001783 (0.0008121, 0.0033388) |
| Sulawesi Tengah | HIV/AIDS                                      | 20  | 257.8 (71.6, 673.1)        | 0.002208 (0.0006129, 0.0057642) | 120.1 (33.7, 292.6)        | 0.001041 (0.0002923, 0.0025352) |
| Sulawesi Tengah | Lower respiratory infections                  | 20  | 672.9 (328.4, 1,190.6)     | 0.005763 (0.0028125, 0.0101959) | 253.5 (118.7, 473.9)       | 0.002197 (0.0010288, 0.0041061) |
| Sulawesi Tengah | Malaria                                       | 20  | 280.6 (48.2, 804.8)        | 0.002403 (0.0004128, 0.0068918) | 134.9 (24.9, 361.5)        | 0.001169 (0.0002161, 0.0031327) |
| Sulawesi Tengah | Tuberculosis                                  | 20  | 2,132.8 (1,354.4, 3,128.1) | 0.018264 (0.0115986, 0.0267874) | 873.9 (556.2, 1,303.5)     | 0.007572 (0.0048198, 0.0112946) |
| Sulawesi Tengah | Maternal disorders                            | 20  |                            |                                 | 1,422.5 (966.6, 1,965.5)   | 0.012326 (0.0083758, 0.0170312) |
| Sulawesi Tengah | Other communicable diseases                   | 20  | 1,728.1 (1,066.9, 2,662.4) | 0.014798 (0.0091363, 0.0227996) | 735.2 (431.7, 1,097.6)     | 0.006370 (0.0037404, 0.0095109) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 20  | 48.5 (12.7, 130.8)         | 0.000415 (0.0001088, 0.0011202) | 35.4 (8.9, 86.4)           | 0.000307 (0.0000767, 0.0007490) |
| Sulawesi Tengah | Breast cancer                                 | 20  | 5.4 (0.9, 20.8)            | 0.000046 (0.0000076, 0.0001780) | 265.2 (102.4, 543.9)       | 0.002298 (0.0008869, 0.0047130) |
| Sulawesi Tengah | Cervical cancer                               | 20  |                            |                                 | 187.2 (48.3, 441.8)        | 0.001622 (0.0004188, 0.0038284) |
| Sulawesi Tengah | Other malignant neoplasms                     | 20  | 555.1 (306.8, 955.3)       | 0.004753 (0.0026274, 0.0081808) | 679.9 (353.1, 1,111.3)     | 0.005892 (0.0030598, 0.0096296) |
| Sulawesi Tengah | Cerebrovascular disease                       | 20  | 310.0 (189.0, 497.8)       | 0.002654 (0.0016187, 0.0042630) | 307.6 (190.3, 478.2)       | 0.002665 (0.0016489, 0.0041435) |
| Sulawesi Tengah | Ischemic heart disease                        | 20  | 400.1 (225.9, 646.3)       | 0.003426 (0.0019341, 0.0055344) | 282.3 (157.9, 442.1)       | 0.002446 (0.0013679, 0.0038305) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 20  | 203.8 (95.1, 371.9)        | 0.001745 (0.0008145, 0.0031845) | 248.6 (125.3, 445.0)       | 0.002154 (0.0010856, 0.0038555) |
| Sulawesi Tengah | Diabetes mellitus                             | 20  | 100.6 (53.3, 172.2)        | 0.000862 (0.0004563, 0.0014747) | 170.8 (94.7, 287.6)        | 0.001480 (0.0008209, 0.0024919) |
| Sulawesi Tengah | Chronic kidney disease                        | 20  | 375.9 (217.7, 585.1)       | 0.003219 (0.0018640, 0.0050105) | 397.5 (248.9, 583.1)       | 0.003445 (0.0021563, 0.0050530) |
| Sulawesi Tengah | Cirrhosis                                     | 20  | 506.3 (286.4, 818.3)       | 0.004336 (0.0024528, 0.0070071) | 294.5 (155.7, 487.0)       | 0.002552 (0.0013494, 0.0042199) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 20  | 880.5 (537.8, 1,347.0)     | 0.007540 (0.0046055, 0.0115346) | 633.2 (371.5, 949.5)       | 0.005487 (0.0032190, 0.0082275) |
| Sulawesi Tengah | Other non-communicable diseases               | 20  | 1,096.5 (743.9, 1,552.1)   | 0.009390 (0.0063700, 0.0132909) | 1,090.1 (768.0, 1,480.5)   | 0.009446 (0.0066545, 0.0128286) |
| Sulawesi Tengah | Drowning                                      | 20  | 397.5 (141.9, 831.1)       | 0.003404 (0.0012156, 0.0071172) | 100.2 (32.3, 232.9)        | 0.000868 (0.0002797, 0.0020179) |
| Sulawesi Tengah | Falls                                         | 20  | 192.0 (85.2, 365.3)        | 0.001644 (0.0007299, 0.0031280) | 69.1 (27.7, 138.4)         | 0.000599 (0.0002400, 0.0011989) |
| Sulawesi Tengah | Interpersonal violence                        | 20  | 338.2 (183.2, 573.0)       | 0.002896 (0.0015691, 0.0049071) | 238.2 (114.3, 436.5)       | 0.002064 (0.0009901, 0.0037826) |
| Sulawesi Tengah | Self-harm                                     | 20  | 274.7 (129.0, 502.4)       | 0.002352 (0.0011050, 0.0043022) | 170.3 (72.7, 343.1)        | 0.001476 (0.0006300, 0.0029731) |
| Sulawesi Tengah | Transport injuries                            | 20  | 3,746.2 (2,588.3, 5,139.3) | 0.032080 (0.0221651, 0.0440101) | 1,232.0 (760.9, 1,830.2)   | 0.010675 (0.0065932, 0.0158591) |
| Sulawesi Tengah | Other unintentional injuries                  | 20  | 995.3 (592.6, 1,584.9)     | 0.008523 (0.0050745, 0.0135722) | 381.2 (194.8, 673.0)       | 0.003303 (0.0016884, 0.0058314) |
| Sulawesi Tengah | Diarrheal diseases                            | 25  | 501.8 (236.4, 946.0)       | 0.003908 (0.0018410, 0.0073674) | 333.5 (157.3, 600.0)       | 0.002655 (0.0012521, 0.0047761) |
| Sulawesi Tengah | HIV/AIDS                                      | 25  | 526.1 (151.9, 1,228.9)     | 0.004097 (0.0011830, 0.0095712) | 258.9 (79.0, 603.7)        | 0.002061 (0.0006292, 0.0048055) |
| Sulawesi Tengah | Lower respiratory infections                  | 25  | 776.8 (368.6, 1,413.7)     | 0.006050 (0.0028711, 0.0110105) | 304.0 (145.4, 583.3)       | 0.002420 (0.0011577, 0.0046429) |
| Sulawesi Tengah | Malaria                                       | 25  | 327.4 (55.9, 946.3)        | 0.002550 (0.0004350, 0.0073697) | 163.0 (28.5, 429.0)        | 0.001298 (0.0002268, 0.0034146) |
| Sulawesi Tengah | Tuberculosis                                  | 25  | 3,225.0 (2,099.5, 4,632.0) | 0.025117 (0.0163514, 0.0360753) | 1,334.3 (846.0, 1,998.3)   | 0.010621 (0.0067342, 0.0159068) |
| Sulawesi Tengah | Maternal disorders                            | 25  |                            |                                 | 1,385.1 (921.3, 1,977.1)   | 0.011025 (0.0073333, 0.0157376) |
| Sulawesi Tengah | Other communicable diseases                   | 25  | 1,995.1 (1,201.6, 3,031.3) | 0.015538 (0.0093585, 0.0236090) | 902.7 (529.0, 1,409.0)     | 0.007186 (0.0042105, 0.0112160) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 25  | 63.6 (16.9, 173.3)         | 0.000495 (0.0001317, 0.0013494) | 50.0 (13.3, 116.5)         | 0.000398 (0.0001055, 0.0009271) |
| Sulawesi Tengah | Breast cancer                                 | 25  | 6.5 (1.3, 20.4)            | 0.000051 (0.0000102, 0.0001589) | 548.7 (238.6, 1,017.5)     | 0.004368 (0.0018994, 0.0080992) |
| Sulawesi Tengah | Cervical cancer                               | 25  |                            |                                 | 319.8 (93.4, 710.2)        | 0.002546 (0.0007436, 0.0056534) |
| Sulawesi Tengah | Other malignant neoplasms                     | 25  | 814.6 (473.3, 1,347.3)     | 0.006344 (0.0036862, 0.0104931) | 759.4 (369.2, 1,277.8)     | 0.006045 (0.0029387, 0.0101716) |
| Sulawesi Tengah | Cerebrovascular disease                       | 25  | 638.0 (416.6, 953.0)       | 0.004969 (0.0032447, 0.0074221) | 551.1 (370.0, 828.9)       | 0.004387 (0.0029450, 0.0065981) |
| Sulawesi Tengah | Ischemic heart disease                        | 25  | 885.4 (553.8, 1,328.1)     | 0.006896 (0.0043133, 0.0103432) | 506.6 (306.9, 765.6)       | 0.004033 (0.0024430, 0.0060939) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 25  | 309.3 (156.5, 556.5)       | 0.002409 (0.0012188, 0.0043340) | 340.1 (174.4, 596.7)       | 0.002707 (0.0013883, 0.0047496) |
| Sulawesi Tengah | Diabetes mellitus                             | 25  | 191.7 (115.5, 304.6)       | 0.001493 (0.0008995, 0.0023719) | 284.9 (173.6, 449.4)       | 0.002267 (0.0013817, 0.0035774) |
| Sulawesi Tengah | Chronic kidney disease                        | 25  | 481.4 (302.3, 722.7)       | 0.003749 (0.0023543, 0.0056289) | 445.0 (287.8, 656.3)       | 0.003542 (0.0022909, 0.0052246) |
| Sulawesi Tengah | Cirrhosis                                     | 25  | 790.7 (464.9, 1,220.2)     | 0.006158 (0.0036207, 0.0095034) | 409.7 (225.3, 666.0)       | 0.003261 (0.0017934, 0.0053015) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 25  | 1,216.9 (768.7, 1,809.0)   | 0.009477 (0.0059866, 0.0140889) | 819.1 (475.8, 1,250.1)     | 0.006520 (0.0037874, 0.0099511) |
| Sulawesi Tengah | Other non-communicable diseases               | 25  | 1,465.8 (996.0, 2,079.5)   | 0.011416 (0.0077571, 0.0161960) | 1,293.2 (898.1, 1,776.6)   | 0.010294 (0.0071487, 0.0141416) |
| Sulawesi Tengah | Drowning                                      | 25  | 274.2 (86.6, 612.1)        | 0.002136 (0.0006743, 0.0047669) | 59.3 (17.1, 140.9)         | 0.000472 (0.0001362, 0.0011213) |
| Sulawesi Tengah | Falls                                         | 25  | 284.8 (120.9, 543.3)       | 0.002218 (0.0009419, 0.0042312) | 88.0 (35.5, 173.5)         | 0.000701 (0.0002829, 0.0013812) |
| Sulawesi Tengah | Interpersonal violence                        | 25  | 358.2 (183.6, 602.8)       | 0.002790 (0.0014300, 0.0046948) | 208.7 (96.8, 378.1)        | 0.001661 (0.0007708, 0.0030093) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|-----------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                 |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sulawesi Tengah | Self-harm                                     | 25  | 268.6         | (121.9, 508.5)     | 0.002092                 | (0.0009496, 0.0039603) | 136.6         | (56.6, 288.5)      | 0.001088                 | (0.0004503, 0.0022968) |
| Sulawesi Tengah | Transport injuries                            | 25  | 2,701.5       | (1,717.0, 3,963.4) | 0.021040                 | (0.0133728, 0.0308680) | 695.0         | (371.0, 1,146.1)   | 0.005532                 | (0.0029532, 0.0091226) |
| Sulawesi Tengah | Other unintentional injuries                  | 25  | 1,240.4       | (722.2, 2,046.5)   | 0.009661                 | (0.0056248, 0.0159385) | 399.5         | (206.9, 702.5)     | 0.003180                 | (0.0016466, 0.0055918) |
| Sulawesi Tengah | Diarrheal diseases                            | 30  | 508.8         | (233.4, 914.0)     | 0.004075                 | (0.0018694, 0.0073209) | 345.5         | (175.5, 604.9)     | 0.002960                 | (0.0015036, 0.0051829) |
| Sulawesi Tengah | HIV/AIDS                                      | 30  | 506.9         | (158.5, 1,223.3)   | 0.004060                 | (0.0012698, 0.0097983) | 255.6         | (83.6, 575.7)      | 0.002190                 | (0.0007167, 0.0049328) |
| Sulawesi Tengah | Lower respiratory infections                  | 30  | 686.0         | (324.6, 1,247.8)   | 0.005494                 | (0.0025999, 0.0099949) | 279.8         | (130.6, 532.3)     | 0.002397                 | (0.0011187, 0.0045612) |
| Sulawesi Tengah | Malaria                                       | 30  | 259.1         | (45.4, 730.3)      | 0.002076                 | (0.0003640, 0.0058497) | 123.7         | (22.7, 333.8)      | 0.001060                 | (0.0001942, 0.0028603) |
| Sulawesi Tengah | Tuberculosis                                  | 30  | 3,153.6       | (2,083.5, 4,484.6) | 0.025260                 | (0.0166884, 0.0359213) | 1,248.6       | (775.3, 1,885.6)   | 0.010698                 | (0.0066428, 0.0161559) |
| Sulawesi Tengah | Maternal disorders                            | 30  |               |                    |                          |                        | 1,324.4       | (868.5, 1,928.6)   | 0.011348                 | (0.0074413, 0.0165246) |
| Sulawesi Tengah | Other communicable diseases                   | 30  | 1,274.2       | (721.8, 2,048.4)   | 0.010206                 | (0.0057819, 0.0164077) | 600.6         | (334.6, 986.1)     | 0.005146                 | (0.0028665, 0.0084488) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 30  | 118.7         | (31.2, 300.6)      | 0.000951                 | (0.0002498, 0.0024080) | 56.7          | (15.4, 133.9)      | 0.000486                 | (0.0001319, 0.0011471) |
| Sulawesi Tengah | Breast cancer                                 | 30  | 7.2           | (1.4, 23.5)        | 0.000058                 | (0.0000111, 0.0001886) | 825.4         | (388.6, 1,460.6)   | 0.007072                 | (0.0033299, 0.0125149) |
| Sulawesi Tengah | Cervical cancer                               | 30  |               |                    |                          |                        | 472.2         | (154.7, 985.2)     | 0.004046                 | (0.0013251, 0.0084409) |
| Sulawesi Tengah | Other malignant neoplasms                     | 30  | 981.5         | (568.9, 1,553.6)   | 0.007862                 | (0.0045569, 0.0124442) | 754.3         | (362.8, 1,312.7)   | 0.006463                 | (0.0031087, 0.0112474) |
| Sulawesi Tengah | Cerebrovascular disease                       | 30  | 1,054.2       | (716.1, 1,533.4)   | 0.008444                 | (0.0057360, 0.0122822) | 897.3         | (617.3, 1,304.6)   | 0.007688                 | (0.0052891, 0.0111783) |
| Sulawesi Tengah | Ischemic heart disease                        | 30  | 1,428.8       | (947.1, 2,096.6)   | 0.011444                 | (0.0075858, 0.0167932) | 748.7         | (464.8, 1,125.3)   | 0.006415                 | (0.0039827, 0.0096418) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 30  | 386.5         | (198.6, 725.8)     | 0.003096                 | (0.0015905, 0.0058138) | 422.8         | (216.6, 732.0)     | 0.003622                 | (0.0018555, 0.0062719) |
| Sulawesi Tengah | Diabetes mellitus                             | 30  | 322.4         | (206.8, 501.9)     | 0.002583                 | (0.0016563, 0.0040202) | 459.6         | (283.5, 693.9)     | 0.003938                 | (0.0024293, 0.0059457) |
| Sulawesi Tengah | Chronic kidney disease                        | 30  | 538.3         | (346.1, 818.6)     | 0.004311                 | (0.0027719, 0.0065569) | 472.3         | (305.2, 695.8)     | 0.004047                 | (0.0026153, 0.0059619) |
| Sulawesi Tengah | Cirrhosis                                     | 30  | 1,035.1       | (620.4, 1,584.6)   | 0.008291                 | (0.0049690, 0.0126922) | 538.4         | (299.7, 872.0)     | 0.004613                 | (0.0025674, 0.0074715) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 30  | 1,234.9       | (757.2, 1,829.3)   | 0.009891                 | (0.0060649, 0.0146523) | 844.1         | (481.5, 1,278.5)   | 0.007232                 | (0.0041253, 0.0109540) |
| Sulawesi Tengah | Other non-communicable diseases               | 30  | 1,573.5       | (1,077.5, 2,240.2) | 0.012604                 | (0.0086306, 0.0179440) | 1,379.0       | (944.7, 1,946.3)   | 0.011815                 | (0.0080940, 0.0166760) |
| Sulawesi Tengah | Drowning                                      | 30  | 280.8         | (95.9, 626.5)      | 0.002249                 | (0.0007680, 0.0050181) | 71.2          | (21.9, 163.2)      | 0.000610                 | (0.0001874, 0.0013986) |
| Sulawesi Tengah | Falls                                         | 30  | 317.2         | (135.3, 597.5)     | 0.002540                 | (0.0010840, 0.0047862) | 109.6         | (45.3, 214.7)      | 0.000939                 | (0.0003882, 0.0018399) |
| Sulawesi Tengah | Interpersonal violence                        | 30  | 276.8         | (138.8, 490.3)     | 0.002217                 | (0.0011117, 0.0039274) | 159.9         | (74.2, 303.3)      | 0.001370                 | (0.0006359, 0.0025986) |
| Sulawesi Tengah | Self-harm                                     | 30  | 204.5         | (91.4, 393.0)      | 0.001638                 | (0.0007320, 0.0031479) | 100.8         | (43.0, 211.3)      | 0.000864                 | (0.0003686, 0.0018106) |
| Sulawesi Tengah | Transport injuries                            | 30  | 2,219.0       | (1,341.4, 3,338.9) | 0.017774                 | (0.0107447, 0.0267440) | 604.9         | (323.0, 1,014.0)   | 0.005183                 | (0.0027673, 0.0086884) |
| Sulawesi Tengah | Other unintentional injuries                  | 30  | 1,100.4       | (632.2, 1,852.3)   | 0.008814                 | (0.0050639, 0.0148364) | 369.7         | (186.6, 684.7)     | 0.003167                 | (0.0015992, 0.0058663) |
| Sulawesi Tengah | Diarrheal diseases                            | 35  | 413.6         | (177.0, 756.5)     | 0.003668                 | (0.0015697, 0.0067082) | 403.8         | (185.1, 708.7)     | 0.003788                 | (0.0017362, 0.0066484) |
| Sulawesi Tengah | HIV/AIDS                                      | 35  | 406.5         | (129.2, 979.9)     | 0.003605                 | (0.0011456, 0.0086898) | 282.6         | (83.0, 662.9)      | 0.002652                 | (0.0007786, 0.0062186) |
| Sulawesi Tengah | Lower respiratory infections                  | 35  | 641.1         | (295.7, 1,211.4)   | 0.005685                 | (0.0026223, 0.0107429) | 388.5         | (183.4, 752.4)     | 0.003644                 | (0.0017210, 0.0070582) |
| Sulawesi Tengah | Malaria                                       | 35  | 221.0         | (38.6, 636.8)      | 0.001960                 | (0.0003426, 0.0056475) | 138.2         | (23.2, 378.5)      | 0.001297                 | (0.0002174, 0.0035511) |
| Sulawesi Tengah | Tuberculosis                                  | 35  | 3,069.4       | (2,052.3, 4,383.1) | 0.027219                 | (0.0181996, 0.0388683) | 1,649.3       | (1,033.3, 2,506.4) | 0.015473                 | (0.0096941, 0.0235138) |
| Sulawesi Tengah | Maternal disorders                            | 35  |               |                    |                          |                        | 696.1         | (413.1, 1,089.7)   | 0.006531                 | (0.0038758, 0.0102231) |
| Sulawesi Tengah | Other communicable diseases                   | 35  | 1,035.1       | (571.8, 1,643.6)   | 0.009179                 | (0.0050708, 0.0145749) | 719.2         | (394.8, 1,165.9)   | 0.006747                 | (0.0037040, 0.0109375) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 35  | 103.6         | (29.3, 257.9)      | 0.000919                 | (0.0002601, 0.0022869) | 75.7          | (21.5, 175.6)      | 0.000710                 | (0.0002015, 0.0016477) |
| Sulawesi Tengah | Breast cancer                                 | 35  | 13.3          | (2.4, 43.0)        | 0.000118                 | (0.0000215, 0.0003812) | 1,192.0       | (583.8, 2,022.4)   | 0.011183                 | (0.0054767, 0.0189731) |
| Sulawesi Tengah | Cervical cancer                               | 35  |               |                    |                          |                        | 680.6         | (245.6, 1,363.6)   | 0.006385                 | (0.0023039, 0.0127926) |
| Sulawesi Tengah | Other malignant neoplasms                     | 35  | 1,451.1       | (875.0, 2,305.2)   | 0.012868                 | (0.0077592, 0.0204418) | 816.2         | (376.6, 1,460.0)   | 0.007658                 | (0.0035328, 0.0136966) |
| Sulawesi Tengah | Cerebrovascular disease                       | 35  | 1,658.8       | (1,140.2, 2,347.8) | 0.014710                 | (0.0101107, 0.0208199) | 1,536.2       | (1,051.5, 2,198.3) | 0.014412                 | (0.0098649, 0.0206236) |
| Sulawesi Tengah | Ischemic heart disease                        | 35  | 1,971.2       | (1,356.0, 2,755.8) | 0.017481                 | (0.0120245, 0.0244383) | 1,167.0       | (744.1, 1,722.6)   | 0.010949                 | (0.0069811, 0.0161602) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 35  | 513.4         | (268.1, 934.5)     | 0.004553                 | (0.0023772, 0.0082870) | 572.1         | (296.1, 993.1)     | 0.005368                 | (0.0027782, 0.0093171) |
| Sulawesi Tengah | Diabetes mellitus                             | 35  | 601.7         | (381.3, 888.1)     | 0.005336                 | (0.0033818, 0.0078753) | 864.6         | (560.9, 1,312.0)   | 0.008111                 | (0.0052617, 0.0123084) |
| Sulawesi Tengah | Chronic kidney disease                        | 35  | 643.6         | (419.6, 970.6)     | 0.005708                 | (0.0037206, 0.0086069) | 562.3         | (370.1, 835.8)     | 0.005275                 | (0.0034716, 0.0078413) |
| Sulawesi Tengah | Cirrhosis                                     | 35  | 1,261.3       | (778.0, 1,912.9)   | 0.011185                 | (0.0068990, 0.0169631) | 701.3         | (400.6, 1,119.6)   | 0.006579                 | (0.0037579, 0.0105032) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 35  | 1,534.7       | (960.9, 2,272.6)   | 0.013610                 | (0.0085207, 0.0201534) | 992.6         | (584.2, 1,538.8)   | 0.009312                 | (0.0054808, 0.0144365) |
| Sulawesi Tengah | Other non-communicable diseases               | 35  | 1,650.8       | (1,137.4, 2,326.9) | 0.014639                 | (0.0100864, 0.0206344) | 1,531.3       | (1,041.3, 2,184.0) | 0.014366                 | (0.0097688, 0.0204891) |
| Sulawesi Tengah | Drowning                                      | 35  | 301.6         | (106.1, 645.7)     | 0.002674                 | (0.0009410, 0.0057262) | 101.0         | (33.6, 239.6)      | 0.000948                 | (0.0003154, 0.0022483) |
| Sulawesi Tengah | Falls                                         | 35  | 283.7         | (125.1, 531.0)     | 0.002516                 | (0.0011091, 0.0047090) | 121.9         | (50.4, 240.6)      | 0.001143                 | (0.0004730, 0.0022571) |
| Sulawesi Tengah | Interpersonal violence                        | 35  | 230.5         | (112.5, 424.4)     | 0.002044                 | (0.0009976, 0.0037638) | 140.8         | (61.1, 272.3)      | 0.001321                 | (0.0005728, 0.0025545) |
| Sulawesi Tengah | Self-harm                                     | 35  | 185.2         | (80.8, 339.2)      | 0.001642                 | (0.0007167, 0.0030080) | 93.8          | (38.3, 186.7)      | 0.000880                 | (0.0003597, 0.0017518) |
| Sulawesi Tengah | Transport injuries                            | 35  | 1,633.4       | (953.9, 2,546.3)   | 0.014485                 | (0.0084588, 0.0225803) | 516.2         | (263.3, 875.6)     | 0.004843                 | (0.0024701, 0.0082145) |



Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|-----------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                 |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sulawesi Tengah | Other unintentional injuries                  | 35  | 968.8         | (534.4, 1,701.0)   | 0.008592                 | (0.0047393, 0.0150847) | 368.1         | (186.1, 692.2)     | 0.003453                 | (0.0017459, 0.0064935) |
| Sulawesi Tengah | Diarrheal diseases                            | 40  | 399.7         | (179.7, 725.4)     | 0.004182                 | (0.0018800, 0.0075899) | 434.1         | (213.0, 753.6)     | 0.004864                 | (0.0023873, 0.0084451) |
| Sulawesi Tengah | HIV/AIDS                                      | 40  | 188.8         | (53.6, 493.1)      | 0.001976                 | (0.0005609, 0.0051598) | 147.1         | (38.5, 363.1)      | 0.001648                 | (0.0004313, 0.0040689) |
| Sulawesi Tengah | Lower respiratory infections                  | 40  | 559.7         | (273.5, 1,068.0)   | 0.005857                 | (0.0028613, 0.0111751) | 384.9         | (182.4, 740.4)     | 0.004313                 | (0.0020439, 0.0082964) |
| Sulawesi Tengah | Malaria                                       | 40  | 198.7         | (35.7, 553.1)      | 0.002080                 | (0.0003735, 0.0057868) | 135.8         | (24.8, 360.7)      | 0.001522                 | (0.0002777, 0.0040417) |
| Sulawesi Tengah | Tuberculosis                                  | 40  | 2,550.9       | (1,702.1, 3,613.6) | 0.026691                 | (0.0178095, 0.0378107) | 1,512.5       | (942.6, 2,221.7)   | 0.016949                 | (0.0105622, 0.0248953) |
| Sulawesi Tengah | Maternal disorders                            | 40  |               |                    |                          |                        | 156.8         | (79.2, 277.8)      | 0.001757                 | (0.0008874, 0.0031132) |
| Sulawesi Tengah | Other communicable diseases                   | 40  | 895.7         | (495.2, 1,474.8)   | 0.009372                 | (0.0051819, 0.0154317) | 696.5         | (378.7, 1,150.5)   | 0.007804                 | (0.0042439, 0.0128921) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 40  | 201.9         | (60.4, 446.5)      | 0.002112                 | (0.0006322, 0.0046717) | 83.4          | (23.3, 194.1)      | 0.000935                 | (0.0002614, 0.0021750) |
| Sulawesi Tengah | Breast cancer                                 | 40  | 23.1          | (5.1, 68.2)        | 0.000242                 | (0.0000529, 0.0007131) | 1,453.4       | (730.2, 2,434.9)   | 0.016287                 | (0.0081826, 0.0272851) |
| Sulawesi Tengah | Cervical cancer                               | 40  |               |                    |                          |                        | 765.2         | (273.9, 1,542.8)   | 0.008575                 | (0.0030690, 0.0172878) |
| Sulawesi Tengah | Other malignant neoplasms                     | 40  | 1,775.2       | (1,051.0, 2,752.5) | 0.018574                 | (0.0109966, 0.0288003) | 799.8         | (378.5, 1,413.3)   | 0.008962                 | (0.0042415, 0.0158367) |
| Sulawesi Tengah | Cerebrovascular disease                       | 40  | 2,520.1       | (1,798.5, 3,436.4) | 0.026368                 | (0.0188178, 0.0359560) | 2,194.5       | (1,552.1, 3,046.7) | 0.024591                 | (0.0173927, 0.0341404) |
| Sulawesi Tengah | Ischemic heart disease                        | 40  | 2,847.5       | (2,014.8, 3,868.1) | 0.029795                 | (0.0210815, 0.0404731) | 1,595.1       | (1,042.1, 2,338.9) | 0.017874                 | (0.0116777, 0.0262088) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 40  | 693.1         | (365.2, 1,215.2)   | 0.007253                 | (0.0038209, 0.0127150) | 720.9         | (377.9, 1,242.0)   | 0.008079                 | (0.0042345, 0.0139172) |
| Sulawesi Tengah | Diabetes mellitus                             | 40  | 1,181.3       | (790.9, 1,639.6)   | 0.012360                 | (0.0082757, 0.0171557) | 1,547.3       | (1,020.4, 2,247.3) | 0.017339                 | (0.0114339, 0.0251828) |
| Sulawesi Tengah | Chronic kidney disease                        | 40  | 774.2         | (510.3, 1,127.7)   | 0.008101                 | (0.0053399, 0.0117996) | 622.9         | (405.4, 896.3)     | 0.006980                 | (0.0045432, 0.0100433) |
| Sulawesi Tengah | Cirrhosis                                     | 40  | 1,456.3       | (888.3, 2,174.6)   | 0.015238                 | (0.0092945, 0.0227535) | 758.8         | (424.5, 1,207.0)   | 0.008503                 | (0.0047571, 0.0135255) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 40  | 1,737.2       | (1,082.3, 2,523.8) | 0.018177                 | (0.0113246, 0.0264069) | 1,045.0       | (613.8, 1,568.9)   | 0.011711                 | (0.0068778, 0.0175805) |
| Sulawesi Tengah | Other non-communicable diseases               | 40  | 1,716.9       | (1,183.2, 2,428.6) | 0.017965                 | (0.0123798, 0.0254111) | 1,498.6       | (997.8, 2,107.0)   | 0.016793                 | (0.0111810, 0.0236102) |
| Sulawesi Tengah | Drowning                                      | 40  | 139.8         | (48.1, 332.1)      | 0.001463                 | (0.0005033, 0.0034752) | 46.1          | (14.2, 115.3)      | 0.000517                 | (0.0001591, 0.0012917) |
| Sulawesi Tengah | Falls                                         | 40  | 219.6         | (92.2, 414.9)      | 0.002298                 | (0.0009642, 0.0043408) | 92.2          | (37.3, 182.1)      | 0.001033                 | (0.0004178, 0.0020406) |
| Sulawesi Tengah | Interpersonal violence                        | 40  | 161.9         | (75.5, 305.8)      | 0.001695                 | (0.0007896, 0.0031995) | 92.8          | (40.5, 189.0)      | 0.001040                 | (0.0004538, 0.0021174) |
| Sulawesi Tengah | Self-harm                                     | 40  | 147.9         | (62.4, 289.1)      | 0.001548                 | (0.0006534, 0.0030252) | 69.8          | (27.5, 139.1)      | 0.000783                 | (0.0003077, 0.0015586) |
| Sulawesi Tengah | Transport injuries                            | 40  | 1,165.1       | (658.5, 1,850.0)   | 0.012190                 | (0.0068898, 0.0193576) | 351.0         | (181.7, 601.9)     | 0.003934                 | (0.0020364, 0.0067446) |
| Sulawesi Tengah | Other unintentional injuries                  | 40  | 695.4         | (377.6, 1,197.0)   | 0.007276                 | (0.0039508, 0.0125243) | 250.9         | (126.8, 467.2)     | 0.002811                 | (0.0014210, 0.0052358) |
| Sulawesi Tengah | Diarrheal diseases                            | 45  | 330.9         | (147.6, 621.9)     | 0.004352                 | (0.0019415, 0.0081812) | 439.9         | (218.2, 756.7)     | 0.006241                 | (0.0030958, 0.0107367) |
| Sulawesi Tengah | HIV/AIDS                                      | 45  | 81.4          | (21.1, 217.8)      | 0.001070                 | (0.0002771, 0.0028649) | 75.1          | (20.7, 192.7)      | 0.001065                 | (0.0002934, 0.0027347) |
| Sulawesi Tengah | Lower respiratory infections                  | 45  | 539.6         | (259.7, 1,010.5)   | 0.007098                 | (0.0034165, 0.0132927) | 479.8         | (236.4, 893.2)     | 0.006808                 | (0.0033542, 0.0126728) |
| Sulawesi Tengah | Malaria                                       | 45  | 151.6         | (25.3, 430.4)      | 0.001994                 | (0.0003334, 0.0056615) | 111.9         | (19.2, 304.6)      | 0.001588                 | (0.0002727, 0.0043211) |
| Sulawesi Tengah | Tuberculosis                                  | 45  | 2,325.4       | (1,574.5, 3,322.4) | 0.030589                 | (0.0207108, 0.0437040) | 1,557.5       | (994.5, 2,304.7)   | 0.022098                 | (0.0141096, 0.0326993) |
| Sulawesi Tengah | Maternal disorders                            | 45  |               |                    |                          |                        | 29.6          | (12.3, 59.2)       | 0.000420                 | (0.0001742, 0.0008402) |
| Sulawesi Tengah | Other communicable diseases                   | 45  | 628.3         | (334.6, 1,069.6)   | 0.008265                 | (0.0044020, 0.0140695) | 620.8         | (336.2, 1,029.4)   | 0.008808                 | (0.0047694, 0.0146051) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 45  | 212.2         | (68.8, 475.6)      | 0.002791                 | (0.0009052, 0.0062566) | 94.9          | (27.7, 214.9)      | 0.001347                 | (0.0003933, 0.0030489) |
| Sulawesi Tengah | Breast cancer                                 | 45  | 29.3          | (8.2, 78.1)        | 0.000385                 | (0.0001080, 0.0010269) | 1,313.2       | (652.1, 2,181.8)   | 0.018632                 | (0.0092526, 0.0309553) |
| Sulawesi Tengah | Cervical cancer                               | 45  |               |                    |                          |                        | 652.2         | (230.2, 1,309.4)   | 0.009253                 | (0.0032658, 0.0185782) |
| Sulawesi Tengah | Other malignant neoplasms                     | 45  | 1,537.2       | (907.6, 2,408.9)   | 0.020221                 | (0.0119392, 0.0316876) | 686.7         | (319.5, 1,213.0)   | 0.009743                 | (0.0045328, 0.0172097) |
| Sulawesi Tengah | Cerebrovascular disease                       | 45  | 3,066.4       | (2,201.7, 4,180.5) | 0.040336                 | (0.0289620, 0.0549913) | 3,007.1       | (2,219.7, 4,061.4) | 0.042665                 | (0.0314938, 0.0576239) |
| Sulawesi Tengah | Ischemic heart disease                        | 45  | 3,132.8       | (2,244.2, 4,244.8) | 0.041210                 | (0.0295210, 0.0558374) | 1,967.4       | (1,330.8, 2,794.6) | 0.027913                 | (0.0188817, 0.0396506) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 45  | 787.4         | (416.5, 1,395.9)   | 0.010357                 | (0.0054793, 0.0183615) | 867.4         | (478.9, 1,483.4)   | 0.012307                 | (0.0067952, 0.0210463) |
| Sulawesi Tengah | Diabetes mellitus                             | 45  | 1,672.1       | (1,148.6, 2,312.1) | 0.021996                 | (0.0151085, 0.0304146) | 2,300.7       | (1,625.2, 3,225.8) | 0.032643                 | (0.0230583, 0.0457686) |
| Sulawesi Tengah | Chronic kidney disease                        | 45  | 746.1         | (486.9, 1,061.1)   | 0.009814                 | (0.0064044, 0.0139574) | 621.2         | (412.6, 882.3)     | 0.008814                 | (0.0058537, 0.0125188) |
| Sulawesi Tengah | Cirrhosis                                     | 45  | 1,288.2       | (793.0, 1,918.7)   | 0.016946                 | (0.0104312, 0.0252391) | 764.6         | (436.0, 1,181.7)   | 0.010849                 | (0.0061865, 0.0167664) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 45  | 1,964.2       | (1,268.6, 2,806.0) | 0.025838                 | (0.0166874, 0.0369108) | 1,232.0       | (746.5, 1,783.6)   | 0.017480                 | (0.0105911, 0.0253056) |
| Sulawesi Tengah | Other non-communicable diseases               | 45  | 1,504.7       | (1,027.7, 2,121.1) | 0.019793                 | (0.0135187, 0.0279020) | 1,445.1       | (974.9, 1,990.3)   | 0.020504                 | (0.0138320, 0.0282392) |
| Sulawesi Tengah | Drowning                                      | 45  | 72.8          | (22.2, 167.0)      | 0.000957                 | (0.0002920, 0.0021965) | 34.6          | (10.2, 85.7)       | 0.000491                 | (0.0001449, 0.0012159) |
| Sulawesi Tengah | Falls                                         | 45  | 195.0         | (80.6, 366.6)      | 0.002565                 | (0.0010605, 0.0048217) | 109.3         | (45.6, 217.3)      | 0.001551                 | (0.0006475, 0.0030824) |
| Sulawesi Tengah | Interpersonal violence                        | 45  | 122.3         | (54.3, 237.3)      | 0.001609                 | (0.0007145, 0.0031216) | 74.4          | (31.9, 146.8)      | 0.001055                 | (0.0004524, 0.0020834) |
| Sulawesi Tengah | Self-harm                                     | 45  | 129.1         | (54.1, 255.1)      | 0.001698                 | (0.0007113, 0.0033557) | 62.2          | (23.8, 124.9)      | 0.000883                 | (0.0003382, 0.0017717) |
| Sulawesi Tengah | Transport injuries                            | 45  | 958.7         | (534.0, 1,556.1)   | 0.012612                 | (0.0070241, 0.0204689) | 360.6         | (179.9, 626.9)     | 0.005116                 | (0.0025526, 0.0088940) |
| Sulawesi Tengah | Other unintentional injuries                  | 45  | 548.6         | (286.0, 977.4)     | 0.007217                 | (0.0037616, 0.0128572) | 232.6         | (116.4, 448.8)     | 0.003300                 | (0.0016519, 0.0063675) |
| Sulawesi Tengah | Diarrheal diseases                            | 50  | 395.2         | (187.4, 715.0)     | 0.006280                 | (0.0029776, 0.0113597) | 531.1         | (279.9, 894.2)     | 0.009367                 | (0.0049365, 0.0157714) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tengah | HIV/AIDS                                      | 50  | 31.2 (8.4, 85.1)           | 0.000496 (0.0001331, 0.0013515) | 28.9 (7.8, 75.1)           | 0.000511 (0.0001369, 0.0013245) |
| Sulawesi Tengah | Lower respiratory infections                  | 50  | 631.2 (305.6, 1,169.0)     | 0.010029 (0.0048563, 0.0185744) | 564.8 (292.5, 1,038.7)     | 0.009961 (0.0051582, 0.0183195) |
| Sulawesi Tengah | Malaria                                       | 50  | 140.9 (23.0, 401.5)        | 0.002239 (0.0003652, 0.0063798) | 101.3 (16.9, 284.0)        | 0.001786 (0.0002977, 0.0050097) |
| Sulawesi Tengah | Tuberculosis                                  | 50  | 2,387.2 (1,549.0, 3,440.0) | 0.037929 (0.0246116, 0.0546576) | 1,520.3 (939.0, 2,248.2)   | 0.026814 (0.0165622, 0.0396527) |
| Sulawesi Tengah | Maternal disorders                            | 50  |                            |                                 | 11.6 (3.5, 31.1)           | 0.000205 (0.0000610, 0.0005477) |
| Sulawesi Tengah | Other communicable diseases                   | 50  | 568.5 (307.8, 960.7)       | 0.009033 (0.0048900, 0.0152639) | 577.2 (303.5, 985.6)       | 0.010181 (0.0053524, 0.0173842) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 50  | 258.2 (85.5, 575.3)        | 0.004103 (0.0013584, 0.0091404) | 91.3 (27.0, 210.8)         | 0.001610 (0.0004757, 0.0037187) |
| Sulawesi Tengah | Breast cancer                                 | 50  | 25.7 (7.4, 63.1)           | 0.000408 (0.0001170, 0.0010026) | 1,057.2 (508.1, 1,822.3)   | 0.018647 (0.0089612, 0.0321404) |
| Sulawesi Tengah | Cervical cancer                               | 50  |                            |                                 | 573.4 (199.9, 1,107.6)     | 0.010113 (0.0035251, 0.0195359) |
| Sulawesi Tengah | Other malignant neoplasms                     | 50  | 1,195.0 (695.3, 1,898.4)   | 0.018987 (0.0110478, 0.0301628) | 637.9 (286.2, 1,141.5)     | 0.011250 (0.0050487, 0.0201342) |
| Sulawesi Tengah | Cerebrovascular disease                       | 50  | 3,939.7 (2,843.0, 5,336.1) | 0.062597 (0.0451719, 0.0847840) | 3,775.8 (2,838.5, 4,974.1) | 0.066596 (0.0500635, 0.0877313) |
| Sulawesi Tengah | Ischemic heart disease                        | 50  | 3,764.1 (2,680.5, 5,050.1) | 0.059806 (0.0425897, 0.0802390) | 2,182.5 (1,447.4, 3,082.9) | 0.038494 (0.0255294, 0.0543745) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 50  | 974.8 (519.4, 1,689.0)     | 0.015488 (0.0082519, 0.0268365) | 1,068.3 (595.6, 1,798.4)   | 0.018842 (0.0105047, 0.0317186) |
| Sulawesi Tengah | Diabetes mellitus                             | 50  | 2,114.9 (1,465.3, 2,895.1) | 0.033603 (0.0232812, 0.0459996) | 2,831.3 (2,019.1, 3,930.7) | 0.049938 (0.0356122, 0.0693286) |
| Sulawesi Tengah | Chronic kidney disease                        | 50  | 750.1 (491.4, 1,074.5)     | 0.011919 (0.0078076, 0.0170726) | 606.5 (409.3, 850.2)       | 0.010697 (0.0072197, 0.0149955) |
| Sulawesi Tengah | Cirrhosis                                     | 50  | 1,270.0 (749.6, 1,942.2)   | 0.020179 (0.0119102, 0.0308586) | 754.7 (429.8, 1,176.0)     | 0.013311 (0.0075805, 0.0207422) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 50  | 2,323.4 (1,507.2, 3,315.5) | 0.036916 (0.0239477, 0.0526785) | 1,497.4 (939.9, 2,119.0)   | 0.026411 (0.0165775, 0.0373733) |
| Sulawesi Tengah | Other non-communicable diseases               | 50  | 1,506.3 (1,012.7, 2,119.5) | 0.023933 (0.0160905, 0.0336765) | 1,432.6 (981.9, 1,982.2)   | 0.025267 (0.0173188, 0.0349609) |
| Sulawesi Tengah | Drowning                                      | 50  | 47.0 (13.9, 110.3)         | 0.000746 (0.0002210, 0.0017529) | 23.4 (6.5, 59.0)           | 0.000412 (0.0001144, 0.0010413) |
| Sulawesi Tengah | Falls                                         | 50  | 199.2 (82.6, 383.4)        | 0.003164 (0.0013128, 0.0060914) | 113.4 (49.8, 220.5)        | 0.002000 (0.0008785, 0.0038894) |
| Sulawesi Tengah | Interpersonal violence                        | 50  | 90.6 (38.3, 179.0)         | 0.001440 (0.0006078, 0.0028436) | 51.9 (21.5, 103.5)         | 0.000915 (0.0003788, 0.0018254) |
| Sulawesi Tengah | Self-harm                                     | 50  | 107.0 (42.7, 212.3)        | 0.001700 (0.0006777, 0.0033728) | 47.9 (18.2, 96.8)          | 0.000844 (0.0003213, 0.0017077) |
| Sulawesi Tengah | Transport injuries                            | 50  | 688.1 (367.7, 1,123.1)     | 0.010933 (0.0058417, 0.0178445) | 255.1 (128.3, 443.9)       | 0.004499 (0.0022630, 0.0078287) |
| Sulawesi Tengah | Other unintentional injuries                  | 50  | 416.6 (214.5, 741.4)       | 0.006619 (0.0034088, 0.0117801) | 171.5 (82.8, 324.2)        | 0.003025 (0.0014599, 0.0057175) |
| Sulawesi Tengah | Diarrheal diseases                            | 55  | 357.1 (167.8, 633.5)       | 0.008013 (0.0037661, 0.0142170) | 468.7 (238.5, 779.4)       | 0.012393 (0.0063058, 0.0206081) |
| Sulawesi Tengah | HIV/AIDS                                      | 55  | 10.9 (2.5, 30.1)           | 0.000245 (0.0000553, 0.0006752) | 9.8 (2.4, 27.0)            | 0.000260 (0.0000633, 0.0007143) |
| Sulawesi Tengah | Lower respiratory infections                  | 55  | 533.0 (259.1, 983.4)       | 0.011960 (0.0058143, 0.0220694) | 472.0 (245.8, 857.1)       | 0.012479 (0.0064994, 0.0226622) |
| Sulawesi Tengah | Malaria                                       | 55  | 118.5 (21.1, 342.8)        | 0.002660 (0.0004736, 0.0076918) | 81.6 (13.7, 232.8)         | 0.002159 (0.0003621, 0.0061547) |
| Sulawesi Tengah | Tuberculosis                                  | 55  | 1,777.7 (1,130.6, 2,552.6) | 0.039894 (0.0253710, 0.0572825) | 1,100.2 (672.6, 1,656.9)   | 0.029090 (0.0177832, 0.0438088) |
| Sulawesi Tengah | Other communicable diseases                   | 55  | 447.6 (226.0, 770.9)       | 0.010045 (0.0050707, 0.0173006) | 446.0 (232.2, 733.9)       | 0.011793 (0.0061395, 0.0194040) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 55  | 191.1 (64.8, 430.1)        | 0.004288 (0.0014549, 0.0096520) | 63.1 (19.3, 147.4)         | 0.001669 (0.0005105, 0.0038973) |
| Sulawesi Tengah | Breast cancer                                 | 55  | 19.9 (6.1, 49.9)           | 0.000447 (0.0001371, 0.0011194) | 691.8 (321.1, 1,225.6)     | 0.018290 (0.0084894, 0.0324050) |
| Sulawesi Tengah | Cervical cancer                               | 55  |                            |                                 | 344.8 (115.4, 712.8)       | 0.009117 (0.0030502, 0.0188462) |
| Sulawesi Tengah | Other malignant neoplasms                     | 55  | 825.0 (468.8, 1,324.6)     | 0.018514 (0.0105204, 0.0297264) | 476.4 (217.4, 858.7)       | 0.012596 (0.0057483, 0.0227033) |
| Sulawesi Tengah | Cerebrovascular disease                       | 55  | 3,940.2 (2,864.9, 5,239.1) | 0.088423 (0.0642920, 0.1175716) | 3,753.1 (2,899.9, 4,914.0) | 0.099230 (0.0766731, 0.1299242) |
| Sulawesi Tengah | Ischemic heart disease                        | 55  | 3,593.6 (2,551.0, 4,774.8) | 0.080644 (0.0572468, 0.1071516) | 2,115.5 (1,452.4, 2,944.4) | 0.055934 (0.0384011, 0.0778499) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 55  | 960.8 (501.7, 1,633.8)     | 0.021561 (0.0112587, 0.0366646) | 1,030.5 (582.8, 1,686.8)   | 0.027246 (0.0154081, 0.0445982) |
| Sulawesi Tengah | Diabetes mellitus                             | 55  | 1,937.8 (1,370.2, 2,659.7) | 0.043487 (0.0307495, 0.0596872) | 2,557.9 (1,843.1, 3,539.2) | 0.067631 (0.0487300, 0.0935758) |
| Sulawesi Tengah | Chronic kidney disease                        | 55  | 629.8 (414.0, 909.5)       | 0.014132 (0.0092914, 0.0204103) | 501.1 (338.7, 713.2)       | 0.013248 (0.0089545, 0.0188576) |
| Sulawesi Tengah | Cirrhosis                                     | 55  | 975.4 (572.3, 1,491.4)     | 0.021889 (0.0128419, 0.0334681) | 577.1 (328.6, 907.1)       | 0.015258 (0.0086886, 0.0239842) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 55  | 2,162.6 (1,439.9, 3,017.2) | 0.048531 (0.0323133, 0.0677101) | 1,343.3 (870.2, 1,890.9)   | 0.035518 (0.0230081, 0.0499938) |
| Sulawesi Tengah | Other non-communicable diseases               | 55  | 1,347.4 (907.2, 1,890.7)   | 0.030237 (0.0203595, 0.0424289) | 1,267.0 (877.8, 1,729.4)   | 0.033499 (0.0232079, 0.0457261) |
| Sulawesi Tengah | Drowning                                      | 55  | 27.0 (8.0, 68.8)           | 0.000606 (0.0001802, 0.0015431) | 13.4 (3.8, 34.0)           | 0.000354 (0.0001006, 0.0008988) |
| Sulawesi Tengah | Falls                                         | 55  | 170.6 (73.0, 325.4)        | 0.003828 (0.0016382, 0.0073026) | 95.6 (41.2, 186.1)         | 0.002527 (0.0010882, 0.0049204) |
| Sulawesi Tengah | Interpersonal violence                        | 55  | 58.4 (23.6, 116.8)         | 0.001311 (0.0005304, 0.0026207) | 31.8 (13.2, 63.3)          | 0.000840 (0.0003489, 0.0016742) |
| Sulawesi Tengah | Self-harm                                     | 55  | 79.2 (31.4, 158.9)         | 0.001776 (0.0007036, 0.0035670) | 33.6 (13.1, 66.8)          | 0.000888 (0.0003476, 0.0017663) |
| Sulawesi Tengah | Transport injuries                            | 55  | 370.8 (188.1, 639.8)       | 0.008322 (0.0042204, 0.0143581) | 133.4 (63.0, 240.2)        | 0.003526 (0.0016661, 0.0063509) |
| Sulawesi Tengah | Other unintentional injuries                  | 55  | 275.3 (143.1, 476.8)       | 0.006178 (0.0032124, 0.0106989) | 109.5 (56.3, 198.8)        | 0.002895 (0.0014875, 0.0052560) |
| Sulawesi Tengah | Diarrheal diseases                            | 60  | 398.9 (199.5, 704.0)       | 0.012569 (0.0062845, 0.0221799) | 513.9 (287.0, 835.1)       | 0.017214 (0.0096136, 0.0279763) |
| Sulawesi Tengah | HIV/AIDS                                      | 60  | 7.0 (1.5, 20.0)            | 0.000222 (0.0000476, 0.0006286) | 6.5 (1.5, 19.4)            | 0.000219 (0.0000492, 0.0006496) |
| Sulawesi Tengah | Lower respiratory infections                  | 60  | 687.0 (353.0, 1,228.0)     | 0.021644 (0.0111226, 0.0386895) | 643.8 (357.4, 1,100.8)     | 0.021566 (0.0119733, 0.0368742) |
| Sulawesi Tengah | Malaria                                       | 60  | 116.4 (20.4, 329.4)        | 0.003666 (0.0006424, 0.0103789) | 79.0 (13.4, 226.9)         | 0.002647 (0.0004499, 0.0076015) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tengah | Tuberculosis                                  | 60  | 1,853.8 (1,193.7, 2,638.6) | 0.058406 (0.0376084, 0.0831319) | 1,231.8 (774.6, 1,802.7)   | 0.041265 (0.0259479, 0.0603898) |
| Sulawesi Tengah | Other communicable diseases                   | 60  | 367.8 (174.8, 633.0)       | 0.011588 (0.0055076, 0.0199442) | 359.7 (178.2, 612.5)       | 0.012048 (0.0059697, 0.0205163) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 60  | 191.1 (63.6, 422.4)        | 0.006019 (0.0020038, 0.0133085) | 54.8 (17.1, 124.0)         | 0.001836 (0.0005718, 0.0041522) |
| Sulawesi Tengah | Breast cancer                                 | 60  | 15.1 (4.3, 36.5)           | 0.000477 (0.0001362, 0.0011492) | 485.2 (221.7, 872.7)       | 0.016254 (0.0074251, 0.0292330) |
| Sulawesi Tengah | Cervical cancer                               | 60  |                            |                                 | 274.8 (94.4, 569.8)        | 0.009206 (0.0031624, 0.0190886) |
| Sulawesi Tengah | Other malignant neoplasms                     | 60  | 714.6 (406.7, 1,141.5)     | 0.022515 (0.0128130, 0.0359643) | 467.6 (220.0, 840.9)       | 0.015663 (0.0073696, 0.0281677) |
| Sulawesi Tengah | Cerebrovascular disease                       | 60  | 4,123.2 (3,057.0, 5,405.0) | 0.129905 (0.0963128, 0.1702908) | 4,143.9 (3,230.6, 5,294.7) | 0.138815 (0.1082201, 0.1773667) |
| Sulawesi Tengah | Ischemic heart disease                        | 60  | 3,279.7 (2,284.5, 4,377.1) | 0.103329 (0.0719769, 0.1379054) | 2,169.4 (1,486.8, 2,979.8) | 0.072671 (0.0498046, 0.0998185) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 60  | 1,000.8 (527.2, 1,706.0)   | 0.031530 (0.0166111, 0.0537504) | 1,095.7 (616.9, 1,755.4)   | 0.036705 (0.0206640, 0.0588048) |
| Sulawesi Tengah | Diabetes mellitus                             | 60  | 1,617.1 (1,118.3, 2,221.9) | 0.050949 (0.0352344, 0.0700032) | 2,270.5 (1,630.3, 3,083.9) | 0.076060 (0.0546114, 0.1033074) |
| Sulawesi Tengah | Chronic kidney disease                        | 60  | 532.8 (358.5, 764.2)       | 0.016787 (0.0112959, 0.0240756) | 447.6 (301.0, 632.7)       | 0.014994 (0.0100848, 0.0211962) |
| Sulawesi Tengah | Cirrhosis                                     | 60  | 805.1 (471.5, 1,197.2)     | 0.025366 (0.0148556, 0.0377177) | 501.5 (289.5, 777.5)       | 0.016798 (0.0096979, 0.0260466) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 60  | 2,699.8 (1,856.8, 3,684.4) | 0.085061 (0.0584988, 0.1160815) | 1,722.8 (1,169.0, 2,348.2) | 0.057713 (0.0391590, 0.0786616) |
| Sulawesi Tengah | Other non-communicable diseases               | 60  | 1,437.5 (988.1, 2,004.2)   | 0.045291 (0.0311306, 0.0631448) | 1,405.1 (1,003.3, 1,908.4) | 0.047069 (0.0336106, 0.0639296) |
| Sulawesi Tengah | Drowning                                      | 60  | 21.4 (5.8, 52.0)           | 0.000673 (0.0001842, 0.0016384) | 11.0 (2.8, 26.9)           | 0.000368 (0.0000942, 0.0009010) |
| Sulawesi Tengah | Falls                                         | 60  | 147.1 (62.1, 283.8)        | 0.004635 (0.0019552, 0.0089403) | 85.2 (38.1, 166.9)         | 0.002853 (0.0012768, 0.0055923) |
| Sulawesi Tengah | Interpersonal violence                        | 60  | 37.3 (15.1, 73.0)          | 0.001175 (0.0004766, 0.0022990) | 21.1 (8.6, 42.1)           | 0.000707 (0.0002875, 0.0014111) |
| Sulawesi Tengah | Self-harm                                     | 60  | 56.7 (21.1, 115.0)         | 0.001787 (0.0006662, 0.0036247) | 24.9 (9.5, 49.3)           | 0.000835 (0.0003196, 0.0016526) |
| Sulawesi Tengah | Transport injuries                            | 60  | 309.3 (157.8, 525.8)       | 0.009745 (0.0049719, 0.0165659) | 115.2 (55.3, 210.7)        | 0.003860 (0.0018530, 0.0070591) |
| Sulawesi Tengah | Other unintentional injuries                  | 60  | 216.8 (106.8, 390.4)       | 0.006829 (0.0033660, 0.0123011) | 89.1 (42.7, 170.4)         | 0.002986 (0.0014319, 0.0057087) |
| Sulawesi Tengah | Diarrheal diseases                            | 65  | 490.8 (251.5, 832.1)       | 0.023188 (0.0118825, 0.0393159) | 638.5 (382.2, 986.6)       | 0.032205 (0.0192787, 0.0497614) |
| Sulawesi Tengah | HIV/AIDS                                      | 65  | 5.1 (1.2, 14.2)            | 0.000241 (0.0000552, 0.0006727) | 4.9 (1.2, 13.5)            | 0.000245 (0.0000600, 0.0006811) |
| Sulawesi Tengah | Lower respiratory infections                  | 65  | 603.8 (303.1, 1,070.2)     | 0.028528 (0.0143217, 0.0505620) | 593.2 (329.0, 1,017.8)     | 0.029921 (0.0165928, 0.0513373) |
| Sulawesi Tengah | Malaria                                       | 65  | 89.9 (15.2, 255.9)         | 0.004250 (0.0007197, 0.0120914) | 59.5 (10.4, 171.3)         | 0.003003 (0.0005231, 0.0086407) |
| Sulawesi Tengah | Tuberculosis                                  | 65  | 1,468.3 (922.6, 2,162.7)   | 0.069374 (0.0435887, 0.1021787) | 984.8 (608.8, 1,467.2)     | 0.049668 (0.0307069, 0.0740018) |
| Sulawesi Tengah | Other communicable diseases                   | 65  | 267.2 (133.9, 467.9)       | 0.012626 (0.0063255, 0.0221073) | 268.2 (135.0, 450.5)       | 0.013527 (0.0068110, 0.0227198) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 65  | 115.7 (37.7, 250.7)        | 0.005467 (0.0017829, 0.0118452) | 33.3 (10.4, 75.2)          | 0.001679 (0.0005230, 0.0037945) |
| Sulawesi Tengah | Breast cancer                                 | 65  | 8.7 (2.3, 23.3)            | 0.000413 (0.0001072, 0.0010995) | 279.1 (123.4, 507.0)       | 0.014075 (0.0062234, 0.0255711) |
| Sulawesi Tengah | Cervical cancer                               | 65  |                            |                                 | 154.3 (50.3, 349.9)        | 0.007784 (0.0025354, 0.0176454) |
| Sulawesi Tengah | Other malignant neoplasms                     | 65  | 431.7 (239.2, 697.2)       | 0.020397 (0.0113036, 0.0329384) | 364.4 (170.2, 638.7)       | 0.018381 (0.0085864, 0.0322128) |
| Sulawesi Tengah | Cerebrovascular disease                       | 65  | 3,368.6 (2,485.0, 4,411.0) | 0.159154 (0.1174091, 0.2084034) | 3,607.3 (2,882.6, 4,531.3) | 0.181942 (0.1453920, 0.2285473) |
| Sulawesi Tengah | Ischemic heart disease                        | 65  | 2,506.7 (1,721.3, 3,378.3) | 0.118434 (0.0813279, 0.1596146) | 1,740.8 (1,211.0, 2,379.1) | 0.087799 (0.0610799, 0.1199940) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 65  | 863.0 (448.9, 1,435.9)     | 0.040775 (0.0212108, 0.0678425) | 997.7 (565.3, 1,603.8)     | 0.050322 (0.0285104, 0.0808919) |
| Sulawesi Tengah | Diabetes mellitus                             | 65  | 1,012.6 (685.1, 1,396.2)   | 0.047842 (0.0323687, 0.0659657) | 1,529.2 (1,111.9, 2,100.3) | 0.077128 (0.0560801, 0.1059329) |
| Sulawesi Tengah | Chronic kidney disease                        | 65  | 388.5 (255.8, 553.8)       | 0.018356 (0.0120866, 0.0261636) | 344.0 (231.9, 475.4)       | 0.017351 (0.0116942, 0.0239795) |
| Sulawesi Tengah | Cirrhosis                                     | 65  | 490.8 (288.2, 739.0)       | 0.023189 (0.0136168, 0.0349161) | 330.6 (191.4, 515.0)       | 0.016677 (0.0096515, 0.0259735) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 65  | 2,271.6 (1,557.7, 3,102.6) | 0.107324 (0.0735949, 0.1465878) | 1,541.2 (1,078.7, 2,093.0) | 0.077733 (0.0544055, 0.1055654) |
| Sulawesi Tengah | Other non-communicable diseases               | 65  | 1,261.9 (860.5, 1,747.3)   | 0.059619 (0.0406574, 0.0825521) | 1,310.0 (930.2, 1,779.0)   | 0.066071 (0.0469179, 0.0897249) |
| Sulawesi Tengah | Drowning                                      | 65  | 13.0 (3.5, 31.3)           | 0.000615 (0.0001664, 0.0014807) | 7.4 (2.0, 18.3)            | 0.000374 (0.0000984, 0.0009206) |
| Sulawesi Tengah | Falls                                         | 65  | 115.4 (46.8, 213.2)        | 0.005451 (0.0022135, 0.0100711) | 72.6 (32.9, 134.8)         | 0.003664 (0.0016601, 0.0067983) |
| Sulawesi Tengah | Interpersonal violence                        | 65  | 22.0 (8.6, 46.7)           | 0.001038 (0.0004067, 0.0022056) | 12.6 (5.2, 25.9)           | 0.000637 (0.0002620, 0.0013075) |
| Sulawesi Tengah | Self-harm                                     | 65  | 38.4 (14.7, 79.5)          | 0.001813 (0.0006942, 0.0037579) | 17.0 (6.4, 35.9)           | 0.000857 (0.0003228, 0.0018105) |
| Sulawesi Tengah | Transport injuries                            | 65  | 193.7 (98.6, 342.7)        | 0.009153 (0.0046584, 0.0161910) | 77.0 (36.0, 140.2)         | 0.003882 (0.0018143, 0.0070715) |
| Sulawesi Tengah | Other unintentional injuries                  | 65  | 149.3 (74.5, 270.4)        | 0.007052 (0.0035208, 0.0127766) | 64.4 (31.9, 120.5)         | 0.003250 (0.0016071, 0.0060789) |
| Sulawesi Tengah | Diarrheal diseases                            | 70  | 598.7 (330.6, 959.2)       | 0.042460 (0.0234465, 0.0680261) | 795.5 (516.9, 1,202.1)     | 0.053733 (0.0349160, 0.0811929) |
| Sulawesi Tengah | HIV/AIDS                                      | 70  | 5.5 (1.4, 15.2)            | 0.000389 (0.0000976, 0.0010782) | 5.6 (1.4, 14.8)            | 0.000378 (0.0000967, 0.0010028) |
| Sulawesi Tengah | Lower respiratory infections                  | 70  | 644.8 (341.6, 1,112.9)     | 0.045731 (0.0242286, 0.0789302) | 698.5 (399.5, 1,136.9)     | 0.047180 (0.0269846, 0.0767937) |
| Sulawesi Tengah | Malaria                                       | 70  | 69.0 (10.9, 211.8)         | 0.004891 (0.0007739, 0.0150189) | 46.3 (7.6, 136.4)          | 0.003124 (0.0005165, 0.0092141) |
| Sulawesi Tengah | Tuberculosis                                  | 70  | 1,183.3 (725.1, 1,740.5)   | 0.083919 (0.0514254, 0.1234407) | 879.6 (524.7, 1,333.0)     | 0.059414 (0.0354414, 0.0900384) |
| Sulawesi Tengah | Other communicable diseases                   | 70  | 248.6 (119.8, 428.6)       | 0.017634 (0.0084974, 0.0303986) | 255.8 (125.4, 447.9)       | 0.017281 (0.0084717, 0.0302499) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 70  | 77.6 (25.6, 171.6)         | 0.005501 (0.0018123, 0.0121719) | 24.6 (7.4, 56.4)           | 0.001661 (0.0005005, 0.0038066) |
| Sulawesi Tengah | Breast cancer                                 | 70  | 5.0 (1.2, 14.1)            | 0.000356 (0.0000824, 0.0010024) | 151.0 (64.4, 290.4)        | 0.010199 (0.0043501, 0.0196164) |

Aim 2 Supplementary Tables

| Location        | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                 |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tengah | Cervical cancer                               | 70  |                            |                                 | 88.4 (28.5, 194.6)         | 0.005973 (0.0019269, 0.0131416) |
| Sulawesi Tengah | Other malignant neoplasms                     | 70  | 268.5 (146.1, 438.9)       | 0.019045 (0.0103622, 0.0311257) | 264.2 (131.5, 464.9)       | 0.017846 (0.0088831, 0.0314026) |
| Sulawesi Tengah | Cerebrovascular disease                       | 70  | 2,843.7 (2,085.2, 3,723.6) | 0.201681 (0.1478888, 0.2640868) | 3,480.5 (2,805.3, 4,366.2) | 0.235090 (0.1894809, 0.2949144) |
| Sulawesi Tengah | Ischemic heart disease                        | 70  | 1,934.1 (1,319.7, 2,622.8) | 0.137170 (0.0935977, 0.1860129) | 1,623.2 (1,136.0, 2,197.5) | 0.109639 (0.0767335, 0.1484252) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 70  | 768.8 (408.2, 1,261.0)     | 0.054525 (0.0289520, 0.0894311) | 981.6 (567.6, 1,551.4)     | 0.066304 (0.0383410, 0.1047878) |
| Sulawesi Tengah | Diabetes mellitus                             | 70  | 609.3 (414.5, 861.0)       | 0.043215 (0.0293983, 0.0610643) | 1,058.1 (756.9, 1,458.8)   | 0.071470 (0.0511266, 0.0985364) |
| Sulawesi Tengah | Chronic kidney disease                        | 70  | 269.1 (176.7, 389.1)       | 0.019088 (0.0125303, 0.0275962) | 270.6 (184.0, 374.1)       | 0.018274 (0.0124311, 0.0252679) |
| Sulawesi Tengah | Cirrhosis                                     | 70  | 342.8 (199.2, 521.1)       | 0.024309 (0.0141272, 0.0369564) | 262.8 (151.7, 403.9)       | 0.017754 (0.0102490, 0.0272838) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 70  | 2,170.9 (1,514.9, 2,942.5) | 0.153966 (0.1074374, 0.2086869) | 1,622.5 (1,157.0, 2,153.5) | 0.109588 (0.0781459, 0.1454558) |
| Sulawesi Tengah | Other non-communicable diseases               | 70  | 1,142.0 (782.3, 1,593.3)   | 0.080994 (0.0554809, 0.1130036) | 1,333.5 (976.2, 1,761.8)   | 0.090071 (0.0659376, 0.1190000) |
| Sulawesi Tengah | Drowning                                      | 70  | 19.5 (5.7, 45.8)           | 0.001386 (0.0004038, 0.0032478) | 12.3 (3.6, 30.5)           | 0.000834 (0.0002454, 0.0020599) |
| Sulawesi Tengah | Falls                                         | 70  | 110.3 (48.2, 204.0)        | 0.007821 (0.0034165, 0.0144678) | 76.9 (35.6, 138.1)         | 0.005192 (0.0024051, 0.0093283) |
| Sulawesi Tengah | Interpersonal violence                        | 70  | 12.4 (4.5, 26.6)           | 0.000878 (0.0003219, 0.0018858) | 7.8 (2.9, 17.1)            | 0.000530 (0.0001960, 0.0011568) |
| Sulawesi Tengah | Self-harm                                     | 70  | 25.1 (9.5, 49.5)           | 0.001782 (0.0006765, 0.0035090) | 12.2 (4.8, 24.2)           | 0.000824 (0.0003221, 0.0016343) |
| Sulawesi Tengah | Transport injuries                            | 70  | 155.0 (75.2, 266.8)        | 0.010994 (0.0053308, 0.0189220) | 68.0 (31.5, 125.0)         | 0.004593 (0.0021276, 0.0084460) |
| Sulawesi Tengah | Other unintentional injuries                  | 70  | 119.1 (58.2, 217.1)        | 0.008450 (0.0041242, 0.0153973) | 56.7 (27.2, 108.6)         | 0.003828 (0.0018395, 0.0073348) |
| Sulawesi Tengah | Diarrheal diseases                            | 75  | 372.4 (208.1, 607.2)       | 0.053937 (0.0301428, 0.0879439) | 544.4 (359.3, 785.6)       | 0.070668 (0.0466383, 0.1019792) |
| Sulawesi Tengah | HIV/AIDS                                      | 75  | 2.2 (0.5, 6.3)             | 0.000324 (0.0000750, 0.0009056) | 2.6 (0.7, 7.2)             | 0.000337 (0.0000864, 0.0009290) |
| Sulawesi Tengah | Lower respiratory infections                  | 75  | 352.5 (191.5, 610.1)       | 0.051053 (0.0277427, 0.0883639) | 419.9 (241.4, 673.7)       | 0.054512 (0.0313416, 0.0874482) |
| Sulawesi Tengah | Malaria                                       | 75  | 37.3 (5.7, 116.2)          | 0.005399 (0.0008264, 0.0168369) | 29.3 (5.0, 87.1)           | 0.003807 (0.0006529, 0.0113129) |
| Sulawesi Tengah | Tuberculosis                                  | 75  | 538.3 (313.0, 835.6)       | 0.077966 (0.0453299, 0.1210214) | 468.9 (271.4, 714.8)       | 0.060869 (0.0352316, 0.0927939) |
| Sulawesi Tengah | Other communicable diseases                   | 75  | 124.2 (59.1, 219.7)        | 0.017988 (0.0085624, 0.0318178) | 138.3 (69.7, 236.1)        | 0.017948 (0.0090492, 0.0306523) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 75  | 32.4 (10.4, 74.1)          | 0.004691 (0.0015080, 0.0107347) | 11.5 (3.5, 26.9)           | 0.001490 (0.0004583, 0.0034916) |
| Sulawesi Tengah | Breast cancer                                 | 75  | 1.8 (0.4, 5.3)             | 0.000254 (0.0000534, 0.0007633) | 65.8 (26.9, 126.9)         | 0.008546 (0.0034885, 0.0164788) |
| Sulawesi Tengah | Cervical cancer                               | 75  |                            |                                 | 32.7 (9.9, 76.9)           | 0.004244 (0.0012804, 0.0099807) |
| Sulawesi Tengah | Other malignant neoplasms                     | 75  | 108.0 (57.5, 178.6)        | 0.015648 (0.0083312, 0.0258695) | 145.2 (74.0, 256.5)        | 0.018850 (0.0096096, 0.0332925) |
| Sulawesi Tengah | Cerebrovascular disease                       | 75  | 1,498.9 (1,074.1, 2,014.4) | 0.217103 (0.1555698, 0.2917662) | 2,132.9 (1,725.7, 2,639.3) | 0.276880 (0.2240144, 0.3426172) |
| Sulawesi Tengah | Ischemic heart disease                        | 75  | 1,108.5 (761.6, 1,550.7)   | 0.160555 (0.1103108, 0.2245951) | 1,105.6 (789.9, 1,497.9)   | 0.143523 (0.1025428, 0.1944451) |
| Sulawesi Tengah | Other cardiovascular and circulatory diseases | 75  | 418.3 (222.3, 706.5)       | 0.060580 (0.0322044, 0.1023253) | 633.9 (363.7, 995.8)       | 0.082287 (0.0472143, 0.1292667) |
| Sulawesi Tengah | Diabetes mellitus                             | 75  | 270.7 (178.3, 383.2)       | 0.039207 (0.0258298, 0.0555008) | 560.8 (401.3, 759.8)       | 0.072801 (0.0520983, 0.0986320) |
| Sulawesi Tengah | Chronic kidney disease                        | 75  | 128.0 (82.8, 187.3)        | 0.018538 (0.0119861, 0.0271227) | 155.0 (105.9, 215.1)       | 0.020117 (0.0137494, 0.0279205) |
| Sulawesi Tengah | Cirrhosis                                     | 75  | 157.9 (89.3, 240.3)        | 0.022875 (0.0129404, 0.0348043) | 138.9 (79.8, 211.8)        | 0.018026 (0.0103529, 0.0274887) |
| Sulawesi Tengah | Chronic respiratory diseases                  | 75  | 1,122.9 (768.4, 1,553.8)   | 0.162632 (0.1112987, 0.2250438) | 990.4 (718.2, 1,305.6)     | 0.128572 (0.0932306, 0.1694781) |
| Sulawesi Tengah | Other non-communicable diseases               | 75  | 691.2 (468.8, 985.3)       | 0.100109 (0.0678998, 0.1427059) | 945.4 (705.3, 1,244.5)     | 0.122726 (0.0915569, 0.1615524) |
| Sulawesi Tengah | Drowning                                      | 75  | 14.0 (4.1, 33.8)           | 0.002024 (0.0005992, 0.0048960) | 8.8 (2.6, 21.3)            | 0.001147 (0.0003389, 0.0027618) |
| Sulawesi Tengah | Falls                                         | 75  | 68.3 (31.0, 123.4)         | 0.009891 (0.0044958, 0.0178782) | 49.5 (23.4, 86.9)          | 0.006423 (0.0030437, 0.0112760) |
| Sulawesi Tengah | Interpersonal violence                        | 75  | 5.1 (1.4, 13.1)            | 0.000732 (0.0002062, 0.0019031) | 3.7 (1.1, 9.9)             | 0.000481 (0.0001423, 0.0012807) |
| Sulawesi Tengah | Self-harm                                     | 75  | 12.5 (4.4, 26.9)           | 0.001807 (0.0006439, 0.0038997) | 7.2 (2.6, 15.7)            | 0.000930 (0.0003339, 0.0020336) |
| Sulawesi Tengah | Transport injuries                            | 75  | 60.2 (27.2, 113.0)         | 0.008714 (0.0039452, 0.0163646) | 28.1 (12.1, 52.7)          | 0.003651 (0.0015700, 0.0068465) |
| Sulawesi Tengah | Other unintentional injuries                  | 75  | 59.6 (27.2, 113.2)         | 0.008637 (0.0039449, 0.0163950) | 31.3 (14.7, 58.8)          | 0.004062 (0.0019043, 0.0076326) |
| Sulawesi Tengah | Diarrheal diseases                            | 80  | 757.0 (488.6, 1,094.3)     | 0.127962 (0.0825957, 0.1849692) | 1,241.3 (879.7, 1,696.4)   | 0.163695 (0.1160049, 0.2237096) |
| Sulawesi Tengah | HIV/AIDS                                      | 80  | 2.8 (0.5, 9.1)             | 0.000473 (0.0000897, 0.0015460) | 3.8 (0.7, 12.4)            | 0.000504 (0.0000974, 0.0016380) |
| Sulawesi Tengah | Lower respiratory infections                  | 80  | 497.9 (286.8, 807.7)       | 0.084168 (0.0484823, 0.1365255) | 720.6 (419.9, 1,130.2)     | 0.095024 (0.0553685, 0.1490491) |
| Sulawesi Tengah | Malaria                                       | 80  | 49.5 (7.0, 155.7)          | 0.008361 (0.0011875, 0.0263245) | 43.6 (7.0, 132.2)          | 0.005743 (0.0009289, 0.0174320) |
| Sulawesi Tengah | Tuberculosis                                  | 80  | 591.8 (336.7, 902.5)       | 0.100026 (0.0569205, 0.1525453) | 630.6 (357.4, 986.3)       | 0.083159 (0.0471371, 0.1300643) |
| Sulawesi Tengah | Other communicable diseases                   | 80  | 174.7 (86.3, 301.4)        | 0.029533 (0.0145871, 0.0509441) | 219.9 (109.8, 381.0)       | 0.028995 (0.0144756, 0.0502462) |
| Sulawesi Tengah | Tracheal, bronchus, and lung cancer           | 80  | 27.9 (8.5, 68.1)           | 0.004721 (0.0014293, 0.0115110) | 13.2 (3.8, 31.5)           | 0.001740 (0.0005047, 0.0041512) |
| Sulawesi Tengah | Breast cancer                                 | 80  | 1.5 (0.3, 5.1)             | 0.000260 (0.0000505, 0.0008567) | 59.6 (22.3, 126.5)         | 0.007860 (0.0029348, 0.0166849) |
| Sulawesi Tengah | Cervical cancer                               | 80  |                            |                                 | 28.2 (7.7, 70.4)           | 0.003718 (0.0010127, 0.0092875) |
| Sulawesi Tengah | Other malignant neoplasms                     | 80  | 104.7 (57.7, 172.3)        | 0.017699 (0.0097566, 0.0291184) | 162.0 (81.9, 285.4)        | 0.021360 (0.0108044, 0.0376409) |
| Sulawesi Tengah | Cerebrovascular disease                       | 80  | 1,768.6 (1,363.1, 2,248.5) | 0.298946 (0.2304123, 0.3800740) | 3,106.4 (2,534.3, 3,739.2) | 0.409648 (0.3342084, 0.4931085) |
| Sulawesi Tengah | Ischemic heart disease                        | 80  | 1,174.0 (829.5, 1,567.7)   | 0.198453 (0.1402082, 0.2649894) | 1,543.5 (1,101.1, 2,048.2) | 0.203552 (0.1452047, 0.2700996) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                         |                                  | Females                       |                                 |
|------------------|----------------------------------------------------------|-----|-------------------------------|----------------------------------|-------------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)         | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sulawesi Tengah  | Other cardiovascular and circulatory diseases            | 80  | 463.3 (253.3, 759.7)          | 0.078319 (0.0428210, 0.1284136)  | 833.4 (480.1, 1,324.3)        | 0.109901 (0.0633137, 0.1746351) |
| Sulawesi Tengah  | Diabetes mellitus                                        | 80  | 252.4 (168.8, 348.6)          | 0.042661 (0.0285338, 0.0589252)  | 641.7 (453.3, 887.3)          | 0.084625 (0.0597826, 0.1170106) |
| Sulawesi Tengah  | Chronic kidney disease                                   | 80  | 122.6 (80.2, 176.0)           | 0.020720 (0.0135568, 0.0297463)  | 180.9 (120.7, 254.8)          | 0.023863 (0.0159146, 0.0336053) |
| Sulawesi Tengah  | Cirrhosis                                                | 80  | 157.8 (89.1, 234.5)           | 0.026675 (0.0150673, 0.0396428)  | 169.5 (95.1, 263.6)           | 0.022358 (0.0125354, 0.0347630) |
| Sulawesi Tengah  | Chronic respiratory diseases                             | 80  | 1,317.7 (963.6, 1,710.0)      | 0.222739 (0.1628866, 0.2890453)  | 1,353.2 (959.6, 1,787.1)      | 0.178451 (0.1265431, 0.2356774) |
| Sulawesi Tengah  | Other non-communicable diseases                          | 80  | 900.3 (649.1, 1,203.4)        | 0.152177 (0.1097214, 0.2034220)  | 1,490.4 (1,123.3, 1,932.9)    | 0.196547 (0.1481388, 0.2548968) |
| Sulawesi Tengah  | Drowning                                                 | 80  | 16.6 (4.7, 43.4)              | 0.002802 (0.0008008, 0.0073412)  | 12.6 (3.4, 32.7)              | 0.001658 (0.0004450, 0.0043118) |
| Sulawesi Tengah  | Falls                                                    | 80  | 105.5 (51.4, 185.7)           | 0.017825 (0.0086876, 0.0313928)  | 91.2 (46.9, 156.7)            | 0.012032 (0.0061816, 0.0206606) |
| Sulawesi Tengah  | Interpersonal violence                                   | 80  | 4.5 (0.8, 12.7)               | 0.000753 (0.0001347, 0.0021461)  | 3.9 (0.8, 12.5)               | 0.000511 (0.0001021, 0.0016549) |
| Sulawesi Tengah  | Self-harm                                                | 80  | 13.1 (4.4, 29.7)              | 0.002217 (0.0007360, 0.0050268)  | 8.9 (2.8, 20.6)               | 0.001176 (0.0003726, 0.0027101) |
| Sulawesi Tengah  | Transport injuries                                       | 80  | 60.6 (25.9, 113.3)            | 0.010245 (0.0043827, 0.0191580)  | 33.8 (13.8, 65.7)             | 0.004456 (0.0018259, 0.0086582) |
| Sulawesi Tengah  | Other unintentional injuries                             | 80  | 64.8 (26.8, 121.8)            | 0.010949 (0.0045343, 0.0205887)  | 40.4 (17.1, 77.1)             | 0.005328 (0.0022584, 0.0101684) |
| Sulawesi Tengah  | Diarrheal diseases                                       | All | 14,584.4 (8,377.0, 23,376.2)  | 0.010012 (0.0057509, 0.0160479)  | 16,392.0 (10,039.4, 25,756.3) | 0.011829 (0.0072447, 0.0185865) |
| Sulawesi Tengah  | HIV/AIDS                                                 | All | 2,630.9 (806.1, 6,247.4)      | 0.001806 (0.0005534, 0.0042888)  | 1,709.6 (525.2, 4,046.1)      | 0.001234 (0.0003790, 0.0029198) |
| Sulawesi Tengah  | Lower respiratory infections                             | All | 33,812.4 (20,925.7, 50,587.6) | 0.023212 (0.0143656, 0.0347287)  | 24,276.6 (14,799.5, 36,693.0) | 0.017519 (0.0106798, 0.0264787) |
| Sulawesi Tengah  | Malaria                                                  | All | 2,758.8 (511.0, 7,908.3)      | 0.001894 (0.0003508, 0.0054291)  | 1,766.6 (317.6, 4,725.9)      | 0.001275 (0.0002292, 0.0034103) |
| Sulawesi Tengah  | Tuberculosis                                             | All | 29,036.5 (19,704.9, 40,806.2) | 0.019934 (0.0135276, 0.0280137)  | 17,201.2 (10,895.3, 24,965.2) | 0.012413 (0.0078623, 0.0180156) |
| Sulawesi Tengah  | Maternal disorders                                       | All |                               |                                  | 5,742.2 (4,000.9, 7,989.0)    | 0.004144 (0.0028871, 0.0057651) |
| Sulawesi Tengah  | Neonatal encephalopathy due to birth asphyxia and trauma | All | 28,100.9 (13,529.1, 47,918.2) | 0.019291 (0.0092878, 0.0328961)  | 16,677.9 (8,062.8, 29,455.5)  | 0.012035 (0.0058184, 0.0212560) |
| Sulawesi Tengah  | Preterm birth complications                              | All | 17,616.2 (7,541.4, 32,878.4)  | 0.012094 (0.0051772, 0.0225712)  | 13,877.8 (6,190.4, 25,865.5)  | 0.010015 (0.0044672, 0.0186653) |
| Sulawesi Tengah  | Other neonatal disorders                                 | All | 19,406.2 (7,791.3, 35,978.9)  | 0.013323 (0.0053488, 0.0246997)  | 11,130.2 (4,278.2, 21,939.4)  | 0.008032 (0.0030873, 0.0158321) |
| Sulawesi Tengah  | Other communicable diseases                              | All | 28,099.9 (17,549.6, 42,608.7) | 0.019291 (0.0120479, 0.0292511)  | 20,972.2 (13,151.2, 32,633.9) | 0.015134 (0.0094903, 0.0235496) |
| Sulawesi Tengah  | Tracheal, bronchus, and lung cancer                      | All | 1,696.6 (568.7, 3,739.6)      | 0.001165 (0.0003904, 0.0025672)  | 711.6 (216.4, 1,612.6)        | 0.000514 (0.0001562, 0.0011637) |
| Sulawesi Tengah  | Breast cancer                                            | All | 166.0 (49.5, 426.1)           | 0.000114 (0.0000340, 0.0002925)  | 8,486.9 (4,191.3, 14,484.8)   | 0.006124 (0.0030246, 0.0104527) |
| Sulawesi Tengah  | Cervical cancer                                          | All |                               |                                  | 4,660.0 (1,673.5, 9,327.4)    | 0.003363 (0.0012077, 0.0067310) |
| Sulawesi Tengah  | Other malignant neoplasms                                | All | 13,230.9 (7,824.1, 20,701.4)  | 0.009083 (0.0053713, 0.0142117)  | 9,485.3 (5,080.5, 15,433.2)   | 0.006845 (0.0036662, 0.0111371) |
| Sulawesi Tengah  | Cerebrovascular disease                                  | All | 31,245.5 (23,008.2, 41,910.9) | 0.021450 (0.0157953, 0.0287721)  | 33,106.3 (25,856.3, 42,835.8) | 0.023890 (0.0186586, 0.0309116) |
| Sulawesi Tengah  | Ischemic heart disease                                   | All | 28,398.3 (20,063.3, 38,119.4) | 0.019496 (0.0137736, 0.0261692)  | 19,182.8 (13,157.1, 26,467.8) | 0.013843 (0.0094945, 0.0191000) |
| Sulawesi Tengah  | Other cardiovascular and circulatory diseases            | All | 8,830.7 (4,750.6, 15,116.2)   | 0.006062 (0.0032613, 0.0103774)  | 10,395.5 (5,855.0, 16,892.7)  | 0.007502 (0.0042251, 0.0121903) |
| Sulawesi Tengah  | Diabetes mellitus                                        | All | 12,200.8 (8,489.7, 16,746.2)  | 0.008376 (0.0058282, 0.0114964)  | 17,600.3 (12,604.8, 24,410.2) | 0.012701 (0.0090960, 0.0176151) |
| Sulawesi Tengah  | Chronic kidney disease                                   | All | 7,212.2 (4,913.0, 10,295.5)   | 0.004951 (0.0033728, 0.0070679)  | 6,557.9 (4,432.2, 9,052.8)    | 0.004732 (0.0031984, 0.0065327) |
| Sulawesi Tengah  | Cirrhosis                                                | All | 11,745.3 (6,995.1, 17,574.4)  | 0.008063 (0.0048022, 0.0120649)  | 6,951.4 (4,052.4, 10,765.3)   | 0.005016 (0.0029243, 0.0077686) |
| Sulawesi Tengah  | Chronic respiratory diseases                             | All | 24,577.8 (16,412.3, 33,600.8) | 0.016873 (0.0112671, 0.0230671)  | 16,711.4 (10,963.5, 23,186.6) | 0.012060 (0.0079116, 0.0167321) |
| Sulawesi Tengah  | Other non-communicable diseases                          | All | 34,112.9 (24,738.9, 47,048.3) | 0.023419 (0.0169834, 0.0322990)  | 33,737.9 (24,482.1, 45,027.7) | 0.024346 (0.0176670, 0.0324933) |
| Sulawesi Tengah  | Drowning                                                 | All | 7,587.6 (3,639.0, 13,232.1)   | 0.005209 (0.0024982, 0.0090839)  | 2,423.1 (1,024.5, 4,818.4)    | 0.001749 (0.0007393, 0.0034771) |
| Sulawesi Tengah  | Falls                                                    | All | 3,775.8 (1,764.1, 6,673.5)    | 0.002592 (0.0012110, 0.0045814)  | 1,727.2 (777.3, 3,204.9)      | 0.001246 (0.0005609, 0.0023127) |
| Sulawesi Tengah  | Interpersonal violence                                   | All | 2,873.5 (1,548.9, 4,913.0)    | 0.001973 (0.0010633, 0.0033728)  | 1,891.3 (929.0, 3,349.5)      | 0.001365 (0.0006704, 0.0024171) |
| Sulawesi Tengah  | Self-harm                                                | All | 1,986.9 (943.4, 3,647.4)      | 0.001364 (0.0006477, 0.0025040)  | 1,115.0 (496.0, 2,173.6)      | 0.000805 (0.0003580, 0.0015686) |
| Sulawesi Tengah  | Transport injuries                                       | All | 23,464.2 (15,463.8, 33,715.1) | 0.016108 (0.0106160, 0.0231456)  | 8,014.2 (4,740.3, 12,305.6)   | 0.005783 (0.0034207, 0.0088801) |
| Sulawesi Tengah  | Other unintentional injuries                             | All | 12,988.2 (7,624.7, 21,424.8)  | 0.008916 (0.0052344, 0.0147083)  | 4,995.4 (2,752.1, 8,930.2)    | 0.003605 (0.0019860, 0.0064443) |
| Sulawesi Selatan | Diarrheal diseases                                       | NN  | 2,178.6 (931.4, 4,085.6)      | 0.316544 (0.1353303, 0.5936272)  | 1,926.4 (834.1, 3,758.3)      | 0.290973 (0.1259809, 0.5676537) |
| Sulawesi Selatan | Lower respiratory infections                             | NN  | 22,946.4 (11,330.1, 38,222.0) | 3.334015 (1.6462131, 5.5534959)  | 14,388.5 (6,898.1, 24,927.4)  | 2.173253 (1.0418960, 3.7650659) |
| Sulawesi Selatan | Malaria                                                  | NN  | 96.9 (21.0, 286.7)            | 0.014084 (0.0030562, 0.0416511)  | 58.8 (14.6, 165.2)            | 0.008877 (0.0022013, 0.0249505) |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 49,586.2 (23,725.5, 82,424.5) | 7.204673 (3.4472210, 11.9759398) | 34,507.6 (16,204.5, 59,698.4) | 5.212081 (2.4475451, 9.0169344) |
| Sulawesi Selatan | Preterm birth complications                              | NN  | 31,338.1 (14,043.0, 54,374.0) | 4.553293 (2.0403891, 7.9003201)  | 28,977.0 (13,614.6, 53,314.3) | 4.376732 (2.0563691, 8.0526571) |
| Sulawesi Selatan | Other neonatal disorders                                 | NN  | 35,461.1 (15,349.0, 62,430.6) | 5.152357 (2.2301450, 9.0709028)  | 23,815.1 (10,363.8, 44,284.0) | 3.597067 (1.5653690, 6.6887150) |
| Sulawesi Selatan | Other communicable diseases                              | NN  | 2,976.7 (1,271.7, 5,581.6)    | 0.432500 (0.1847764, 0.8109784)  | 1,862.7 (772.3, 3,647.7)      | 0.281346 (0.1166525, 0.5509569) |
| Sulawesi Selatan | Other malignant neoplasms                                | NN  | 1,511.4 (608.7, 2,807.6)      | 0.219606 (0.0884472, 0.4079323)  | 1,182.6 (458.4, 2,367.4)      | 0.178621 (0.0692430, 0.3575803) |
| Sulawesi Selatan | Cerebrovascular disease                                  | NN  | 160.5 (41.8, 421.5)           | 0.023315 (0.0060726, 0.0612462)  | 163.8 (45.7, 410.5)           | 0.024741 (0.0068966, 0.0620087) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | NN  | 140.9 (32.2, 371.7)           | 0.020479 (0.0046724, 0.0540032)  | 148.9 (36.3, 398.3)           | 0.022491 (0.0054860, 0.0601591) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|------------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                  |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Sulawesi Selatan | Diabetes mellitus                                        | NN  | 76.0          | (0.4, 578.3)        | 0.011041                 | (0.0000534, 0.0840271) | 92.6          | (0.5, 675.6)        | 0.013994                 | (0.0000781, 0.1020449) |
| Sulawesi Selatan | Other non-communicable diseases                          | NN  | 18,284.3      | (9,341.8, 29,402.2) | 2.656630                 | (1.3573300, 4.2720151) | 16,484.3      | (8,409.4, 27,915.6) | 2.489811                 | (1.2701660, 4.2164130) |
| Sulawesi Selatan | Drowning                                                 | NN  | 2,973.4       | (1,148.8, 5,804.4)  | 0.432016                 | (0.1669146, 0.8433517) | 811.3         | (283.9, 1,717.2)    | 0.122539                 | (0.0428795, 0.2593747) |
| Sulawesi Selatan | Falls                                                    | NN  | 967.3         | (346.2, 2,067.0)    | 0.140547                 | (0.0502968, 0.3003307) | 355.9         | (112.3, 816.2)      | 0.053755                 | (0.0169628, 0.1232849) |
| Sulawesi Selatan | Interpersonal violence                                   | NN  | 570.7         | (168.7, 1,284.6)    | 0.082917                 | (0.0245060, 0.1866501) | 340.7         | (104.7, 823.7)      | 0.051461                 | (0.0158118, 0.1244163) |
| Sulawesi Selatan | Transport injuries                                       | NN  | 2,361.2       | (909.2, 4,670.7)    | 0.343069                 | (0.1321089, 0.6786406) | 631.6         | (228.8, 1,276.8)    | 0.095400                 | (0.0345611, 0.1928421) |
| Sulawesi Selatan | Other unintentional injuries                             | NN  | 3,421.8       | (1,380.6, 6,751.8)  | 0.497181                 | (0.2005984, 0.9810047) | 1,184.3       | (467.3, 2,450.4)    | 0.178884                 | (0.0705757, 0.3701152) |
| Sulawesi Selatan | Diarrheal diseases                                       | PNN | 720.6         | (352.8, 1,219.6)    | 0.008388                 | (0.0041064, 0.0141976) | 795.6         | (384.1, 1,350.4)    | 0.009628                 | (0.0046480, 0.0163420) |
| Sulawesi Selatan | HIV/AIDS                                                 | PNN | 28.3          | (9.4, 69.4)         | 0.000330                 | (0.0001091, 0.0008074) | 21.2          | (6.7, 50.1)         | 0.000256                 | (0.0000805, 0.0006058) |
| Sulawesi Selatan | Lower respiratory infections                             | PNN | 680.5         | (330.6, 1,143.5)    | 0.007922                 | (0.0038485, 0.0133109) | 515.1         | (248.7, 873.6)      | 0.006233                 | (0.0030095, 0.0105720) |
| Sulawesi Selatan | Malaria                                                  | PNN | 31.0          | (8.0, 84.8)         | 0.000360                 | (0.0000935, 0.0009873) | 23.8          | (6.5, 59.8)         | 0.000288                 | (0.0000788, 0.0007236) |
| Sulawesi Selatan | Tuberculosis                                             | PNN | 88.7          | (38.0, 161.6)       | 0.001033                 | (0.0004422, 0.0018814) | 68.5          | (29.0, 128.5)       | 0.000829                 | (0.0003505, 0.0015550) |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 48.4          | (13.7, 112.5)       | 0.000564                 | (0.0001591, 0.0013096) | 37.9          | (11.0, 92.6)        | 0.000459                 | (0.0001333, 0.0011210) |
| Sulawesi Selatan | Preterm birth complications                              | PNN | 67.2          | (24.4, 146.3)       | 0.000782                 | (0.0002843, 0.0017027) | 79.6          | (28.3, 173.1)       | 0.000964                 | (0.0003425, 0.0020946) |
| Sulawesi Selatan | Other neonatal disorders                                 | PNN | 137.0         | (44.7, 310.2)       | 0.001595                 | (0.0005205, 0.0036114) | 106.2         | (32.5, 261.5)       | 0.001285                 | (0.0003932, 0.0031642) |
| Sulawesi Selatan | Other communicable diseases                              | PNN | 1,086.8       | (529.6, 1,832.7)    | 0.012651                 | (0.0061656, 0.0213340) | 851.7         | (406.9, 1,467.8)    | 0.010307                 | (0.0049236, 0.0177626) |
| Sulawesi Selatan | Other malignant neoplasms                                | PNN | 28.6          | (11.4, 54.7)        | 0.000333                 | (0.0001333, 0.0006370) | 26.8          | (10.9, 53.4)        | 0.000325                 | (0.0001318, 0.0006461) |
| Sulawesi Selatan | Cerebrovascular disease                                  | PNN | 3.0           | (0.8, 7.6)          | 0.000035                 | (0.0000095, 0.0000888) | 3.7           | (1.0, 9.5)          | 0.000045                 | (0.0000119, 0.0001145) |
| Sulawesi Selatan | Ischemic heart disease                                   | PNN | 3.0           | (0.2, 12.3)         | 0.000034                 | (0.0000023, 0.0001432) | 3.7           | (0.3, 17.6)         | 0.000044                 | (0.0000031, 0.0002135) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | PNN | 2.6           | (0.7, 6.5)          | 0.000031                 | (0.0000076, 0.0000760) | 3.4           | (0.9, 9.3)          | 0.000041                 | (0.0000104, 0.0001123) |
| Sulawesi Selatan | Diabetes mellitus                                        | PNN | 1.5           | (0.0, 11.3)         | 0.000017                 | (0.0000001, 0.0001314) | 2.2           | (0.0, 18.7)         | 0.000026                 | (0.0000001, 0.0002258) |
| Sulawesi Selatan | Chronic kidney disease                                   | PNN | 27.7          | (10.8, 58.4)        | 0.000322                 | (0.0001258, 0.0006803) | 24.0          | (8.7, 50.4)         | 0.000290                 | (0.0001056, 0.0006097) |
| Sulawesi Selatan | Other non-communicable diseases                          | PNN | 341.6         | (169.3, 567.3)      | 0.003977                 | (0.0019712, 0.0066042) | 370.0         | (178.3, 643.1)      | 0.004478                 | (0.0021576, 0.0077826) |
| Sulawesi Selatan | Drowning                                                 | PNN | 68.7          | (30.0, 131.4)       | 0.000800                 | (0.0003492, 0.0015291) | 22.5          | (7.9, 43.5)         | 0.000272                 | (0.0000961, 0.0005261) |
| Sulawesi Selatan | Falls                                                    | PNN | 21.5          | (8.1, 45.3)         | 0.000250                 | (0.0000944, 0.0005274) | 9.4           | (3.3, 20.8)         | 0.000114                 | (0.0000399, 0.0002522) |
| Sulawesi Selatan | Interpersonal violence                                   | PNN | 12.5          | (3.9, 28.3)         | 0.000145                 | (0.0000453, 0.0003291) | 8.8           | (2.7, 21.2)         | 0.000107                 | (0.0000329, 0.0002567) |
| Sulawesi Selatan | Transport injuries                                       | PNN | 54.0          | (21.5, 99.0)        | 0.000629                 | (0.0002503, 0.0011524) | 17.3          | (6.4, 33.3)         | 0.000209                 | (0.0000772, 0.0004030) |
| Sulawesi Selatan | Other unintentional injuries                             | PNN | 74.9          | (31.9, 143.6)       | 0.000872                 | (0.0003717, 0.0016714) | 31.0          | (12.6, 62.0)        | 0.000375                 | (0.0001531, 0.0007501) |
| Sulawesi Selatan | Diarrheal diseases                                       | 1   | 5,539.4       | (1,986.9, 10,911.2) | 0.015638                 | (0.0056091, 0.0308027) | 5,818.8       | (2,463.7, 11,496.3) | 0.016911                 | (0.0071601, 0.0334113) |
| Sulawesi Selatan | HIV/AIDS                                                 | 1   | 493.0         | (128.0, 1,266.0)    | 0.001392                 | (0.0003612, 0.0035740) | 361.0         | (100.1, 918.1)      | 0.001049                 | (0.0002908, 0.0026681) |
| Sulawesi Selatan | Lower respiratory infections                             | 1   | 11,536.0      | (4,514.9, 23,096.1) | 0.032566                 | (0.0127456, 0.0652007) | 8,584.2       | (3,706.0, 17,192.5) | 0.024948                 | (0.0107705, 0.0499659) |
| Sulawesi Selatan | Malaria                                                  | 1   | 191.1         | (44.9, 540.7)       | 0.000540                 | (0.0001266, 0.0015265) | 141.1         | (37.7, 374.9)       | 0.000410                 | (0.0001094, 0.0010897) |
| Sulawesi Selatan | Tuberculosis                                             | 1   | 1,610.9       | (612.0, 3,359.9)    | 0.004548                 | (0.0017276, 0.0094850) | 1,226.8       | (501.1, 2,548.7)    | 0.003565                 | (0.0014564, 0.0074071) |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 437.7         | (92.3, 1,234.7)     | 0.001236                 | (0.0002606, 0.0034856) | 316.6         | (72.1, 819.3)       | 0.000920                 | (0.0002094, 0.0023810) |
| Sulawesi Selatan | Preterm birth complications                              | 1   | 117.6         | (19.5, 417.0)       | 0.000332                 | (0.0000550, 0.0011773) | 127.7         | (21.9, 433.3)       | 0.000371                 | (0.0000636, 0.0012594) |
| Sulawesi Selatan | Other neonatal disorders                                 | 1   | 197.7         | (1.4, 1,320.1)      | 0.000558                 | (0.0000040, 0.0037267) | 137.2         | (1.1, 908.2)        | 0.000399                 | (0.0000031, 0.0026395) |
| Sulawesi Selatan | Other communicable diseases                              | 1   | 16,976.6      | (6,673.1, 33,388.5) | 0.047925                 | (0.0188384, 0.0942566) | 12,972.4      | (5,690.7, 24,929.3) | 0.037701                 | (0.0165385, 0.0724510) |
| Sulawesi Selatan | Other malignant neoplasms                                | 1   | 311.1         | (106.8, 685.3)      | 0.000878                 | (0.0003015, 0.0019345) | 317.0         | (114.1, 686.7)      | 0.000921                 | (0.0003316, 0.0019956) |
| Sulawesi Selatan | Cerebrovascular disease                                  | 1   | 35.9          | (7.8, 98.9)         | 0.000101                 | (0.0000221, 0.0002792) | 48.3          | (11.7, 136.7)       | 0.000140                 | (0.0000340, 0.0003972) |
| Sulawesi Selatan | Ischemic heart disease                                   | 1   | 34.9          | (2.4, 149.6)        | 0.000099                 | (0.0000067, 0.0004224) | 47.2          | (3.4, 210.0)        | 0.000137                 | (0.0000099, 0.0006104) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | 1   | 29.4          | (6.1, 84.9)         | 0.000083                 | (0.0000173, 0.0002397) | 40.7          | (8.7, 117.8)        | 0.000118                 | (0.0000254, 0.0003422) |
| Sulawesi Selatan | Diabetes mellitus                                        | 1   | 15.2          | (0.1, 113.5)        | 0.000043                 | (0.0000002, 0.0003205) | 24.7          | (0.1, 192.0)        | 0.000072                 | (0.0000004, 0.0005580) |
| Sulawesi Selatan | Chronic kidney disease                                   | 1   | 292.0         | (82.8, 687.5)       | 0.000824                 | (0.0002339, 0.0019408) | 274.9         | (90.0, 636.3)       | 0.000799                 | (0.0002616, 0.0018492) |
| Sulawesi Selatan | Cirrhosis                                                | 1   | 483.6         | (148.3, 1,235.1)    | 0.001365                 | (0.0004185, 0.0034867) | 304.4         | (92.6, 744.4)       | 0.000885                 | (0.0002692, 0.0021634) |
| Sulawesi Selatan | Chronic respiratory diseases                             | 1   | 1,044.4       | (335.5, 2,246.2)    | 0.002948                 | (0.0009470, 0.0063411) | 465.6         | (144.5, 1,019.0)    | 0.001353                 | (0.0004200, 0.0029615) |
| Sulawesi Selatan | Other non-communicable diseases                          | 1   | 3,714.8       | (1,453.1, 7,394.4)  | 0.010487                 | (0.0041022, 0.0208745) | 4,374.2       | (1,918.3, 8,615.7)  | 0.012713                 | (0.0055751, 0.0250395) |
| Sulawesi Selatan | Drowning                                                 | 1   | 3,114.1       | (1,052.8, 6,260.2)  | 0.008791                 | (0.0029722, 0.0176728) | 1,053.6       | (378.1, 2,167.5)    | 0.003062                 | (0.0010987, 0.0062992) |
| Sulawesi Selatan | Falls                                                    | 1   | 680.0         | (221.6, 1,518.1)    | 0.001920                 | (0.0006257, 0.0042855) | 306.6         | (102.0, 695.4)      | 0.000891                 | (0.0002964, 0.0020209) |
| Sulawesi Selatan | Interpersonal violence                                   | 1   | 325.7         | (93.5, 787.3)       | 0.000920                 | (0.0002639, 0.0022226) | 235.4         | (74.5, 546.0)       | 0.000684                 | (0.0002166, 0.0015867) |
| Sulawesi Selatan | Transport injuries                                       | 1   | 2,195.0       | (753.3, 4,590.3)    | 0.006197                 | (0.0021265, 0.0129585) | 727.3         | (254.4, 1,498.3)    | 0.002114                 | (0.0007394, 0.0043544) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Selatan | Other unintentional injuries                  | 1   | 2,031.4 (750.2, 4,341.3)   | 0.005735 (0.0021177, 0.0122556) | 868.2 (332.3, 1,854.0)     | 0.002523 (0.0009659, 0.0053882) |
| Sulawesi Selatan | Diarrheal diseases                            | 5   | 2,242.6 (1,478.3, 3,242.2) | 0.004761 (0.0031382, 0.0068824) | 2,211.3 (1,546.1, 3,043.2) | 0.005009 (0.0035020, 0.0068931) |
| Sulawesi Selatan | HIV/AIDS                                      | 5   | 148.3 (39.5, 376.8)        | 0.000315 (0.0000839, 0.0007998) | 99.7 (27.9, 241.2)         | 0.000226 (0.0000633, 0.0005463) |
| Sulawesi Selatan | Lower respiratory infections                  | 5   | 3,233.5 (2,274.8, 4,521.0) | 0.006864 (0.0048289, 0.0095971) | 2,226.4 (1,612.3, 3,037.2) | 0.005043 (0.0036521, 0.0068797) |
| Sulawesi Selatan | Malaria                                       | 5   | 76.7 (25.0, 179.5)         | 0.000163 (0.0000530, 0.0003811) | 53.2 (18.3, 118.3)         | 0.000120 (0.0000415, 0.0002680) |
| Sulawesi Selatan | Tuberculosis                                  | 5   | 645.7 (392.7, 984.4)       | 0.001371 (0.0008337, 0.0020897) | 453.7 (289.3, 673.8)       | 0.001028 (0.0006553, 0.0015262) |
| Sulawesi Selatan | Other communicable diseases                   | 5   | 6,842.6 (5,048.8, 9,023.2) | 0.014525 (0.0107176, 0.0191544) | 4,894.8 (3,783.9, 6,243.5) | 0.011087 (0.0085710, 0.0141423) |
| Sulawesi Selatan | Other malignant neoplasms                     | 5   | 1,017.9 (609.9, 1,564.2)   | 0.002161 (0.0012947, 0.0033205) | 981.4 (620.7, 1,463.9)     | 0.002223 (0.0014059, 0.0033160) |
| Sulawesi Selatan | Cerebrovascular disease                       | 5   | 82.9 (38.7, 155.0)         | 0.000176 (0.0000822, 0.0003291) | 104.6 (52.3, 181.0)        | 0.000237 (0.0001186, 0.0004099) |
| Sulawesi Selatan | Ischemic heart disease                        | 5   | 93.7 (36.4, 202.4)         | 0.000199 (0.0000774, 0.0004296) | 116.9 (46.3, 229.4)        | 0.000265 (0.0001048, 0.0005196) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 5   | 76.5 (30.8, 157.1)         | 0.000162 (0.0000653, 0.0003336) | 97.3 (43.1, 188.9)         | 0.000221 (0.0000977, 0.0004278) |
| Sulawesi Selatan | Diabetes mellitus                             | 5   | 99.0 (35.4, 228.2)         | 0.000210 (0.0000752, 0.0004844) | 152.9 (59.9, 330.2)        | 0.000346 (0.0001357, 0.0007478) |
| Sulawesi Selatan | Chronic kidney disease                        | 5   | 329.6 (164.1, 613.2)       | 0.000700 (0.0003484, 0.0013016) | 294.9 (153.3, 521.4)       | 0.000668 (0.0003472, 0.0011810) |
| Sulawesi Selatan | Cirrhosis                                     | 5   | 693.2 (376.5, 1,135.6)     | 0.001472 (0.0007992, 0.0024106) | 415.4 (231.7, 670.1)       | 0.000941 (0.0005248, 0.0015178) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 5   | 474.9 (247.3, 821.8)       | 0.001008 (0.0005249, 0.0017445) | 196.6 (98.4, 340.8)        | 0.000445 (0.0002229, 0.0007720) |
| Sulawesi Selatan | Other non-communicable diseases               | 5   | 1,870.0 (1,267.5, 2,603.5) | 0.003970 (0.0026906, 0.0055267) | 2,079.2 (1,510.6, 2,755.5) | 0.004710 (0.0034216, 0.0062415) |
| Sulawesi Selatan | Drowning                                      | 5   | 5,496.0 (3,781.0, 7,566.6) | 0.011667 (0.0080263, 0.0160622) | 2,392.0 (1,613.2, 3,301.9) | 0.005418 (0.0036541, 0.0074792) |
| Sulawesi Selatan | Falls                                         | 5   | 641.3 (348.6, 1,101.8)     | 0.001361 (0.0007400, 0.0023388) | 335.1 (182.0, 570.8)       | 0.000759 (0.0004123, 0.0012929) |
| Sulawesi Selatan | Interpersonal violence                        | 5   | 137.3 (57.3, 290.6)        | 0.000292 (0.0001216, 0.0006170) | 116.2 (51.4, 228.6)        | 0.000263 (0.0001163, 0.0005179) |
| Sulawesi Selatan | Transport injuries                            | 5   | 3,826.4 (2,549.2, 5,587.8) | 0.008123 (0.0054114, 0.0118617) | 1,581.7 (1,019.7, 2,345.9) | 0.003583 (0.0023098, 0.0053138) |
| Sulawesi Selatan | Other unintentional injuries                  | 5   | 998.1 (623.9, 1,538.2)     | 0.002119 (0.0013243, 0.0032653) | 495.8 (304.9, 761.7)       | 0.001123 (0.0006905, 0.0017253) |
| Sulawesi Selatan | Diarrheal diseases                            | 10  | 1,075.4 (695.1, 1,581.2)   | 0.002355 (0.0015223, 0.0034629) | 999.9 (649.8, 1,492.3)     | 0.002275 (0.0014785, 0.0033955) |
| Sulawesi Selatan | HIV/AIDS                                      | 10  | 141.6 (52.3, 298.8)        | 0.000310 (0.0001145, 0.0006543) | 93.2 (34.2, 190.3)         | 0.000212 (0.0000779, 0.0004329) |
| Sulawesi Selatan | Lower respiratory infections                  | 10  | 2,090.7 (1,453.4, 2,782.9) | 0.004579 (0.0031830, 0.0060946) | 1,340.5 (965.0, 1,769.2)   | 0.003050 (0.0021956, 0.0040255) |
| Sulawesi Selatan | Malaria                                       | 10  | 146.6 (63.6, 303.7)        | 0.000321 (0.0001392, 0.0006652) | 101.2 (45.0, 202.6)        | 0.000230 (0.0001024, 0.0004610) |
| Sulawesi Selatan | Tuberculosis                                  | 10  | 1,436.2 (1,017.7, 1,987.6) | 0.003145 (0.0022288, 0.0043528) | 1,011.5 (714.5, 1,368.1)   | 0.002302 (0.0016257, 0.0031129) |
| Sulawesi Selatan | Maternal disorders                            | 10  |                            |                                 | 57.4 (10.4, 150.3)         | 0.000131 (0.0000237, 0.0003419) |
| Sulawesi Selatan | Other communicable diseases                   | 10  | 5,068.3 (3,977.8, 6,355.0) | 0.011100 (0.0087114, 0.0139176) | 3,292.5 (2,589.1, 4,120.7) | 0.007492 (0.0058910, 0.0093760) |
| Sulawesi Selatan | Other malignant neoplasms                     | 10  | 1,402.3 (997.1, 1,909.1)   | 0.003071 (0.0021836, 0.0041810) | 1,346.6 (983.5, 1,790.6)   | 0.003064 (0.0022377, 0.0040742) |
| Sulawesi Selatan | Cerebrovascular disease                       | 10  | 130.2 (76.7, 209.2)        | 0.000285 (0.0001681, 0.0004582) | 153.0 (91.4, 242.5)        | 0.000348 (0.0002080, 0.0005518) |
| Sulawesi Selatan | Ischemic heart disease                        | 10  | 218.1 (128.5, 353.4)       | 0.000478 (0.0002813, 0.0007739) | 256.1 (156.6, 392.4)       | 0.000583 (0.0003563, 0.0008929) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 10  | 109.3 (58.1, 185.8)        | 0.000239 (0.0001271, 0.0004068) | 134.2 (74.5, 220.4)        | 0.000306 (0.0001695, 0.0005014) |
| Sulawesi Selatan | Diabetes mellitus                             | 10  | 133.3 (70.3, 232.5)        | 0.000292 (0.0001540, 0.0005091) | 201.0 (109.0, 339.8)       | 0.000457 (0.0002481, 0.0007731) |
| Sulawesi Selatan | Chronic kidney disease                        | 10  | 437.9 (268.7, 657.7)       | 0.000959 (0.0005884, 0.0014404) | 387.0 (244.2, 590.8)       | 0.000881 (0.0005557, 0.0013443) |
| Sulawesi Selatan | Cirrhosis                                     | 10  | 761.8 (507.5, 1,086.2)     | 0.001668 (0.0011115, 0.0023789) | 429.4 (282.4, 630.3)       | 0.000977 (0.0006425, 0.0014342) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 10  | 865.9 (560.5, 1,268.6)     | 0.001896 (0.0012275, 0.0027783) | 376.3 (222.3, 593.8)       | 0.000856 (0.0005059, 0.0013511) |
| Sulawesi Selatan | Other non-communicable diseases               | 10  | 2,087.6 (1,595.2, 2,653.4) | 0.004572 (0.0034936, 0.0058109) | 2,181.8 (1,703.5, 2,765.5) | 0.004964 (0.0038762, 0.0062925) |
| Sulawesi Selatan | Drowning                                      | 10  | 2,994.7 (1,971.3, 4,220.3) | 0.006558 (0.0043172, 0.0092425) | 999.6 (580.6, 1,562.1)     | 0.002275 (0.0013211, 0.0035544) |
| Sulawesi Selatan | Falls                                         | 10  | 575.3 (311.2, 978.6)       | 0.001260 (0.0006816, 0.0021432) | 249.3 (127.9, 442.9)       | 0.000567 (0.0002910, 0.0010077) |
| Sulawesi Selatan | Interpersonal violence                        | 10  | 212.9 (120.1, 363.8)       | 0.000466 (0.0002630, 0.0007967) | 166.4 (95.4, 273.2)        | 0.000379 (0.0002171, 0.0006217) |
| Sulawesi Selatan | Self-harm                                     | 10  | 599.7 (281.5, 1,099.1)     | 0.001313 (0.0006166, 0.0024071) | 404.6 (205.9, 722.4)       | 0.000921 (0.0004685, 0.0016437) |
| Sulawesi Selatan | Transport injuries                            | 10  | 5,598.6 (4,249.2, 7,157.9) | 0.012261 (0.0093059, 0.0156759) | 2,115.1 (1,522.7, 2,831.7) | 0.004813 (0.0034648, 0.0064432) |
| Sulawesi Selatan | Other unintentional injuries                  | 10  | 995.0 (672.6, 1,461.8)     | 0.002179 (0.0014729, 0.0032014) | 435.2 (273.9, 649.1)       | 0.000990 (0.0006231, 0.0014770) |
| Sulawesi Selatan | Diarrheal diseases                            | 15  | 669.9 (373.8, 1,083.9)     | 0.001678 (0.0009363, 0.0027149) | 482.9 (281.5, 751.5)       | 0.001200 (0.0006996, 0.0018675) |
| Sulawesi Selatan | HIV/AIDS                                      | 15  | 145.9 (50.1, 337.5)        | 0.000366 (0.0001256, 0.0008453) | 78.6 (26.9, 181.1)         | 0.000195 (0.0000668, 0.0004500) |
| Sulawesi Selatan | Lower respiratory infections                  | 15  | 1,219.5 (795.0, 1,743.6)   | 0.003055 (0.0019913, 0.0043674) | 560.0 (378.4, 789.0)       | 0.001392 (0.0009403, 0.0019609) |
| Sulawesi Selatan | Malaria                                       | 15  | 357.2 (163.7, 699.1)       | 0.000895 (0.0004099, 0.0017510) | 214.2 (88.3, 428.7)        | 0.000532 (0.0002195, 0.0010653) |
| Sulawesi Selatan | Tuberculosis                                  | 15  | 2,695.2 (1,946.3, 3,625.3) | 0.006751 (0.0048753, 0.0090807) | 1,496.1 (1,149.3, 1,923.3) | 0.003718 (0.0028562, 0.0047797) |
| Sulawesi Selatan | Maternal disorders                            | 15  |                            |                                 | 879.0 (531.3, 1,369.2)     | 0.002185 (0.0013202, 0.0034027) |
| Sulawesi Selatan | Other communicable diseases                   | 15  | 4,141.0 (3,057.7, 5,413.2) | 0.010373 (0.0076591, 0.0135593) | 1,981.8 (1,461.6, 2,534.3) | 0.004925 (0.0036322, 0.0062980) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 15  | 240.1 (94.7, 485.5)        | 0.000601 (0.0002371, 0.0012162) | 82.6 (30.8, 180.3)         | 0.000205 (0.0000764, 0.0004480) |
| Sulawesi Selatan | Breast cancer                                 | 15  | 8.4 (1.0, 29.7)            | 0.000021 (0.0000026, 0.0000744) | 225.6 (79.6, 494.3)        | 0.000561 (0.0001978, 0.0012285) |

## Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                         |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Selatan | Cervical cancer                               | 15  |                               |                                 | 77.0 (23.9, 174.4)         | 0.000191 (0.0000595, 0.0004333) |
| Sulawesi Selatan | Other malignant neoplasms                     | 15  | 1,671.6 (1,187.7, 2,301.9)    | 0.004187 (0.0029751, 0.0057660) | 1,696.0 (1,260.6, 2,219.3) | 0.004215 (0.0031327, 0.0055153) |
| Sulawesi Selatan | Cerebrovascular disease                       | 15  | 251.0 (143.4, 397.2)          | 0.000629 (0.0003592, 0.0009950) | 245.7 (143.9, 384.3)       | 0.000611 (0.0003576, 0.0009549) |
| Sulawesi Selatan | Ischemic heart disease                        | 15  | 671.8 (423.9, 1,003.6)        | 0.001683 (0.0010617, 0.0025138) | 597.7 (396.7, 852.2)       | 0.001485 (0.0009857, 0.0021178) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 15  | 172.7 (93.5, 297.4)           | 0.000433 (0.0002343, 0.0007448) | 201.4 (103.5, 351.7)       | 0.000501 (0.0002572, 0.0008741) |
| Sulawesi Selatan | Diabetes mellitus                             | 15  | 210.4 (107.1, 361.3)          | 0.000527 (0.0002683, 0.0009050) | 306.1 (163.0, 506.1)       | 0.000761 (0.0004050, 0.0012578) |
| Sulawesi Selatan | Chronic kidney disease                        | 15  | 621.0 (384.1, 948.6)          | 0.001556 (0.0009620, 0.0023762) | 543.5 (338.4, 831.2)       | 0.001351 (0.0008410, 0.0020657) |
| Sulawesi Selatan | Cirrhosis                                     | 15  | 974.2 (611.2, 1,462.4)        | 0.002440 (0.0015309, 0.0036632) | 502.3 (317.0, 770.5)       | 0.001248 (0.0007878, 0.0019148) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 15  | 802.0 (511.9, 1,235.3)        | 0.002009 (0.0012822, 0.0030942) | 397.2 (239.0, 624.1)       | 0.000987 (0.0005939, 0.0015510) |
| Sulawesi Selatan | Other non-communicable diseases               | 15  | 2,552.8 (1,886.6, 3,396.1)    | 0.006394 (0.0047255, 0.0085068) | 2,347.0 (1,844.5, 2,900.1) | 0.005833 (0.0045837, 0.0072070) |
| Sulawesi Selatan | Drowning                                      | 15  | 1,882.3 (1,135.9, 2,853.5)    | 0.004715 (0.0028453, 0.0071475) | 463.5 (245.8, 764.0)       | 0.001152 (0.0006110, 0.0018987) |
| Sulawesi Selatan | Falls                                         | 15  | 577.8 (343.8, 940.9)          | 0.001447 (0.0008612, 0.0023568) | 206.4 (111.0, 342.8)       | 0.000513 (0.0002757, 0.0008520) |
| Sulawesi Selatan | Interpersonal violence                        | 15  | 451.5 (274.9, 726.9)          | 0.001131 (0.0006885, 0.0018208) | 356.2 (199.2, 577.7)       | 0.000885 (0.0004952, 0.0014356) |
| Sulawesi Selatan | Self-harm                                     | 15  | 1,045.0 (614.0, 1,655.5)      | 0.002618 (0.0015381, 0.0041467) | 729.4 (420.3, 1,176.3)     | 0.001813 (0.0010445, 0.0029231) |
| Sulawesi Selatan | Transport injuries                            | 15  | 14,615.1 (11,488.6, 18,593.2) | 0.036609 (0.0287772, 0.0465733) | 5,773.0 (4,830.0, 6,850.3) | 0.014346 (0.0120031, 0.0170237) |
| Sulawesi Selatan | Other unintentional injuries                  | 15  | 1,450.3 (987.1, 2,066.1)      | 0.003633 (0.0024724, 0.0051754) | 580.9 (374.4, 853.1)       | 0.001444 (0.0009304, 0.0021201) |
| Sulawesi Selatan | Diarrheal diseases                            | 20  | 602.0 (350.7, 956.3)          | 0.001715 (0.0009991, 0.0027246) | 435.9 (269.4, 638.7)       | 0.001164 (0.0007190, 0.0017050) |
| Sulawesi Selatan | HIV/AIDS                                      | 20  | 478.0 (210.5, 986.8)          | 0.001362 (0.0005997, 0.0028115) | 248.4 (112.1, 493.0)       | 0.000663 (0.0002993, 0.0013159) |
| Sulawesi Selatan | Lower respiratory infections                  | 20  | 1,117.2 (744.2, 1,647.8)      | 0.003183 (0.0021203, 0.0046948) | 472.4 (312.0, 664.6)       | 0.001261 (0.0008329, 0.0017741) |
| Sulawesi Selatan | Malaria                                       | 20  | 406.6 (191.4, 763.5)          | 0.001159 (0.0005453, 0.0021753) | 233.3 (99.6, 452.3)        | 0.000623 (0.0002659, 0.0012074) |
| Sulawesi Selatan | Tuberculosis                                  | 20  | 5,040.0 (3,786.6, 6,863.6)    | 0.014360 (0.0107887, 0.0195554) | 2,385.6 (1,878.9, 2,956.0) | 0.006368 (0.0050154, 0.0078906) |
| Sulawesi Selatan | Maternal disorders                            | 20  |                               |                                 | 1,043.1 (679.8, 1,483.6)   | 0.002785 (0.0018145, 0.0039603) |
| Sulawesi Selatan | Other communicable diseases                   | 20  | 4,803.2 (3,578.6, 6,448.9)    | 0.013685 (0.0101960, 0.0183739) | 2,340.4 (1,828.0, 2,927.6) | 0.006247 (0.0048797, 0.0078149) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 20  | 215.4 (98.1, 423.4)           | 0.000614 (0.0002795, 0.0012062) | 117.1 (51.3, 227.8)        | 0.000313 (0.0001368, 0.0006080) |
| Sulawesi Selatan | Breast cancer                                 | 20  | 13.7 (2.6, 39.8)              | 0.000039 (0.0000075, 0.0001133) | 608.7 (351.7, 970.5)       | 0.001625 (0.0009388, 0.0025906) |
| Sulawesi Selatan | Cervical cancer                               | 20  |                               |                                 | 152.5 (64.5, 287.9)        | 0.000407 (0.0001722, 0.0007686) |
| Sulawesi Selatan | Other malignant neoplasms                     | 20  | 1,517.2 (1,064.3, 2,167.8)    | 0.004323 (0.0030323, 0.0061763) | 1,683.3 (1,197.1, 2,215.2) | 0.004494 (0.0031956, 0.0059132) |
| Sulawesi Selatan | Cerebrovascular disease                       | 20  | 437.5 (288.5, 652.1)          | 0.001247 (0.0008219, 0.0018579) | 369.7 (260.0, 499.3)       | 0.000987 (0.0006941, 0.0013328) |
| Sulawesi Selatan | Ischemic heart disease                        | 20  | 1,082.4 (750.0, 1,585.3)      | 0.003084 (0.0021368, 0.0045166) | 671.9 (478.2, 896.2)       | 0.001794 (0.0012765, 0.0023924) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 20  | 247.1 (146.5, 393.5)          | 0.000704 (0.0004174, 0.0011211) | 272.1 (180.6, 398.8)       | 0.000726 (0.0004821, 0.0010646) |
| Sulawesi Selatan | Diabetes mellitus                             | 20  | 183.0 (101.8, 294.9)          | 0.000521 (0.0002900, 0.0008401) | 252.5 (154.9, 392.6)       | 0.000674 (0.0004135, 0.0010479) |
| Sulawesi Selatan | Chronic kidney disease                        | 20  | 864.8 (563.6, 1,256.6)        | 0.002464 (0.0016057, 0.0035803) | 709.9 (483.9, 992.8)       | 0.001895 (0.0012916, 0.0026501) |
| Sulawesi Selatan | Cirrhosis                                     | 20  | 1,398.4 (981.1, 1,993.2)      | 0.003984 (0.0027954, 0.0056790) | 703.7 (492.6, 959.1)       | 0.001879 (0.0013149, 0.0025602) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 20  | 1,577.9 (1,073.6, 2,260.7)    | 0.004496 (0.0030587, 0.0064409) | 906.5 (633.7, 1,239.2)     | 0.002420 (0.0016915, 0.0033078) |
| Sulawesi Selatan | Other non-communicable diseases               | 20  | 2,272.4 (1,668.9, 3,124.9)    | 0.006474 (0.0047548, 0.0089032) | 1,906.7 (1,512.3, 2,390.1) | 0.005090 (0.0040370, 0.0063802) |
| Sulawesi Selatan | Drowning                                      | 20  | 1,333.4 (739.0, 2,155.8)      | 0.003799 (0.0021054, 0.0061421) | 299.3 (150.6, 509.1)       | 0.000799 (0.0004020, 0.0013590) |
| Sulawesi Selatan | Falls                                         | 20  | 544.7 (314.2, 887.0)          | 0.001552 (0.0008952, 0.0025270) | 174.9 (98.3, 289.3)        | 0.000467 (0.0002623, 0.0007722) |
| Sulawesi Selatan | Interpersonal violence                        | 20  | 503.3 (305.5, 789.0)          | 0.001434 (0.0008704, 0.0022480) | 329.4 (196.4, 521.7)       | 0.000879 (0.0005242, 0.0013927) |
| Sulawesi Selatan | Self-harm                                     | 20  | 989.2 (587.0, 1,577.3)        | 0.002818 (0.0016724, 0.0044940) | 569.5 (335.7, 896.2)       | 0.001520 (0.0008962, 0.0023922) |
| Sulawesi Selatan | Transport injuries                            | 20  | 11,906.8 (9,167.2, 15,886.8)  | 0.033924 (0.0261187, 0.0452636) | 3,783.9 (3,053.3, 4,675.6) | 0.010101 (0.0081504, 0.0124809) |
| Sulawesi Selatan | Other unintentional injuries                  | 20  | 1,524.5 (1,045.7, 2,206.5)    | 0.004343 (0.0029793, 0.0062867) | 525.7 (344.2, 764.4)       | 0.001403 (0.0009188, 0.0020404) |
| Sulawesi Selatan | Diarrheal diseases                            | 25  | 815.1 (518.4, 1,271.2)        | 0.002387 (0.0015183, 0.0037229) | 553.7 (355.4, 811.1)       | 0.001509 (0.0009687, 0.0022106) |
| Sulawesi Selatan | HIV/AIDS                                      | 25  | 842.0 (402.3, 1,613.6)        | 0.002466 (0.0011783, 0.0047256) | 414.2 (210.9, 764.1)       | 0.001129 (0.0005747, 0.0020825) |
| Sulawesi Selatan | Lower respiratory infections                  | 25  | 1,138.3 (765.2, 1,652.4)      | 0.003334 (0.0022410, 0.0048394) | 435.6 (280.0, 623.4)       | 0.001187 (0.0007632, 0.0016991) |
| Sulawesi Selatan | Malaria                                       | 25  | 415.9 (195.2, 775.6)          | 0.001218 (0.0005716, 0.0022715) | 215.7 (94.7, 425.8)        | 0.000588 (0.0002581, 0.0011606) |
| Sulawesi Selatan | Tuberculosis                                  | 25  | 6,871.5 (5,423.0, 9,091.6)    | 0.020124 (0.0158821, 0.0266261) | 2,776.9 (2,144.2, 3,536.8) | 0.007568 (0.0058439, 0.0096392) |
| Sulawesi Selatan | Maternal disorders                            | 25  |                               |                                 | 1,267.0 (849.1, 1,759.5)   | 0.003453 (0.0023141, 0.0047954) |
| Sulawesi Selatan | Other communicable diseases                   | 25  | 4,883.4 (3,813.8, 6,384.5)    | 0.014302 (0.0111693, 0.0186978) | 2,256.6 (1,692.6, 2,921.1) | 0.006150 (0.0046130, 0.0079612) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 25  | 256.6 (118.2, 500.0)          | 0.000752 (0.0003463, 0.0014642) | 145.8 (69.5, 265.7)        | 0.000397 (0.0001895, 0.0007241) |
| Sulawesi Selatan | Breast cancer                                 | 25  | 13.9 (4.0, 33.3)              | 0.000041 (0.0000118, 0.0000974) | 1,138.4 (764.1, 1,575.1)   | 0.003103 (0.0020826, 0.0042928) |
| Sulawesi Selatan | Cervical cancer                               | 25  |                               |                                 | 262.5 (127.8, 459.9)       | 0.000715 (0.0003482, 0.0012535) |
| Sulawesi Selatan | Other malignant neoplasms                     | 25  | 1,704.1 (1,257.8, 2,311.7)    | 0.004991 (0.0036836, 0.0067702) | 1,714.1 (1,218.3, 2,239.2) | 0.004672 (0.0033205, 0.0061026) |



Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Selatan | Cerebrovascular disease                       | 25  | 807.6 (599.0, 1,114.1)      | 0.002365 (0.0017542, 0.0032628) | 590.6 (439.6, 780.1)       | 0.001610 (0.0011981, 0.0021260) |
| Sulawesi Selatan | Ischemic heart disease                        | 25  | 2,280.8 (1,746.2, 3,080.0)  | 0.006680 (0.0051140, 0.0090203) | 1,057.9 (809.6, 1,381.8)   | 0.002883 (0.0022066, 0.0037658) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 25  | 319.4 (219.8, 465.0)        | 0.000935 (0.0006437, 0.0013619) | 329.4 (225.4, 467.9)       | 0.000898 (0.0006142, 0.0012751) |
| Sulawesi Selatan | Diabetes mellitus                             | 25  | 304.7 (204.0, 451.0)        | 0.000892 (0.0005976, 0.0013210) | 371.8 (253.2, 515.1)       | 0.001013 (0.0006902, 0.0014039) |
| Sulawesi Selatan | Chronic kidney disease                        | 25  | 971.8 (681.2, 1,344.2)      | 0.002846 (0.0019950, 0.0039366) | 700.5 (492.2, 964.0)       | 0.001909 (0.0013413, 0.0026273) |
| Sulawesi Selatan | Cirrhosis                                     | 25  | 1,901.4 (1,428.9, 2,617.1)  | 0.005569 (0.0041848, 0.0076644) | 867.0 (627.4, 1,163.7)     | 0.002363 (0.0017100, 0.0031715) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 25  | 1,752.7 (1,265.1, 2,415.4)  | 0.005133 (0.0037049, 0.0070739) | 1,036.1 (757.5, 1,391.7)   | 0.002824 (0.0020645, 0.0037930) |
| Sulawesi Selatan | Other non-communicable diseases               | 25  | 2,650.3 (2,079.3, 3,525.7)  | 0.007762 (0.0060895, 0.0103254) | 2,003.7 (1,587.2, 2,535.3) | 0.005461 (0.0043256, 0.0069098) |
| Sulawesi Selatan | Drowning                                      | 25  | 869.1 (431.6, 1,490.9)      | 0.002545 (0.0012640, 0.0043664) | 175.2 (86.6, 311.0)        | 0.000477 (0.0002360, 0.0008475) |
| Sulawesi Selatan | Falls                                         | 25  | 760.9 (463.0, 1,181.7)      | 0.002229 (0.0013561, 0.0034608) | 218.8 (126.7, 350.5)       | 0.000596 (0.0003453, 0.0009552) |
| Sulawesi Selatan | Interpersonal violence                        | 25  | 508.5 (325.4, 784.7)        | 0.001489 (0.0009530, 0.0022980) | 279.0 (163.6, 433.8)       | 0.000760 (0.0004459, 0.0011823) |
| Sulawesi Selatan | Self-harm                                     | 25  | 928.4 (567.4, 1,453.3)      | 0.002719 (0.0016617, 0.0042561) | 443.3 (263.7, 691.7)       | 0.001208 (0.0007186, 0.0018851) |
| Sulawesi Selatan | Transport injuries                            | 25  | 8,540.2 (6,742.3, 11,381.1) | 0.025011 (0.0197458, 0.0333311) | 2,125.4 (1,605.0, 2,755.8) | 0.005793 (0.0043742, 0.0075107) |
| Sulawesi Selatan | Other unintentional injuries                  | 25  | 1,803.5 (1,284.0, 2,586.1)  | 0.005282 (0.0037602, 0.0075738) | 536.5 (359.4, 774.8)       | 0.001462 (0.0009796, 0.0021117) |
| Sulawesi Selatan | Diarrheal diseases                            | 30  | 851.8 (544.7, 1,268.7)      | 0.002666 (0.0017047, 0.0039706) | 611.6 (396.7, 918.1)       | 0.001763 (0.0011434, 0.0026462) |
| Sulawesi Selatan | HIV/AIDS                                      | 30  | 792.8 (396.4, 1,484.2)      | 0.002481 (0.0012407, 0.0046449) | 423.9 (209.6, 791.8)       | 0.001222 (0.0006041, 0.0022822) |
| Sulawesi Selatan | Lower respiratory infections                  | 30  | 953.1 (655.0, 1,359.9)      | 0.002983 (0.0020498, 0.0042562) | 408.2 (263.1, 604.4)       | 0.001177 (0.0007583, 0.0017420) |
| Sulawesi Selatan | Malaria                                       | 30  | 330.7 (159.4, 586.4)        | 0.001035 (0.0004987, 0.0018352) | 176.5 (79.2, 332.3)        | 0.000509 (0.0002283, 0.0009579) |
| Sulawesi Selatan | Tuberculosis                                  | 30  | 6,143.5 (4,933.6, 8,028.3)  | 0.019227 (0.0154404, 0.0251258) | 2,710.6 (2,112.6, 3,580.8) | 0.007813 (0.0060893, 0.0103211) |
| Sulawesi Selatan | Maternal disorders                            | 30  |                             |                                 | 1,144.5 (784.7, 1,617.8)   | 0.003299 (0.0022617, 0.0046631) |
| Sulawesi Selatan | Other communicable diseases                   | 30  | 3,264.8 (2,508.9, 4,297.4)  | 0.010218 (0.0078521, 0.0134495) | 1,597.1 (1,174.7, 2,193.6) | 0.004603 (0.0033859, 0.0063227) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 30  | 449.1 (225.5, 807.1)        | 0.001405 (0.0007058, 0.0025259) | 167.5 (80.9, 291.4)        | 0.000483 (0.0002331, 0.0008399) |
| Sulawesi Selatan | Breast cancer                                 | 30  | 19.3 (6.0, 49.0)            | 0.000060 (0.0000188, 0.0001534) | 1,808.6 (1,321.6, 2,469.2) | 0.005213 (0.0038095, 0.0071172) |
| Sulawesi Selatan | Cervical cancer                               | 30  |                             |                                 | 417.4 (211.6, 715.4)       | 0.001203 (0.0006099, 0.0020620) |
| Sulawesi Selatan | Other malignant neoplasms                     | 30  | 2,343.7 (1,763.5, 3,187.8)  | 0.007335 (0.0055192, 0.0099769) | 1,756.2 (1,216.6, 2,346.8) | 0.005062 (0.0035067, 0.0067644) |
| Sulawesi Selatan | Cerebrovascular disease                       | 30  | 1,258.3 (975.6, 1,716.3)    | 0.003938 (0.0030532, 0.0053716) | 975.6 (738.7, 1,296.9)     | 0.002812 (0.0021292, 0.0037381) |
| Sulawesi Selatan | Ischemic heart disease                        | 30  | 3,093.8 (2,459.4, 4,097.0)  | 0.009683 (0.0076972, 0.0128223) | 1,575.1 (1,219.5, 2,103.6) | 0.004540 (0.0035151, 0.0060634) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 30  | 393.1 (275.7, 564.2)        | 0.001230 (0.0008628, 0.0017656) | 417.3 (291.3, 597.3)       | 0.001203 (0.0008396, 0.0017218) |
| Sulawesi Selatan | Diabetes mellitus                             | 30  | 489.3 (348.5, 695.4)        | 0.001532 (0.0010908, 0.0021762) | 604.6 (425.2, 815.3)       | 0.001743 (0.0012256, 0.0023501) |
| Sulawesi Selatan | Chronic kidney disease                        | 30  | 1,032.3 (750.4, 1,417.8)    | 0.003231 (0.0023484, 0.0044374) | 753.2 (530.1, 1,038.4)     | 0.002171 (0.0015278, 0.0029930) |
| Sulawesi Selatan | Cirrhosis                                     | 30  | 2,402.3 (1,857.5, 3,292.5)  | 0.007519 (0.0058134, 0.0103045) | 1,133.8 (825.7, 1,532.5)   | 0.003268 (0.0023799, 0.0044171) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 30  | 1,850.3 (1,359.9, 2,499.1)  | 0.005791 (0.0042562, 0.0078215) | 1,081.3 (798.3, 1,486.9)   | 0.003117 (0.0023011, 0.0042858) |
| Sulawesi Selatan | Other non-communicable diseases               | 30  | 2,733.4 (2,171.2, 3,618.6)  | 0.008555 (0.0067951, 0.0113251) | 2,164.0 (1,689.9, 2,832.7) | 0.006237 (0.0048710, 0.0081649) |
| Sulawesi Selatan | Drowning                                      | 30  | 888.7 (505.1, 1,491.5)      | 0.002781 (0.0015809, 0.0046678) | 203.4 (105.0, 347.4)       | 0.000586 (0.0003026, 0.0010014) |
| Sulawesi Selatan | Falls                                         | 30  | 835.3 (529.3, 1,307.9)      | 0.002614 (0.0016567, 0.0040933) | 267.3 (161.5, 430.5)       | 0.000771 (0.0004656, 0.0012408) |
| Sulawesi Selatan | Interpersonal violence                        | 30  | 370.9 (229.7, 594.4)        | 0.001161 (0.0007188, 0.0018604) | 216.4 (121.8, 342.0)       | 0.000624 (0.0003512, 0.0009858) |
| Sulawesi Selatan | Self-harm                                     | 30  | 668.1 (402.2, 1,026.2)      | 0.002091 (0.0012589, 0.0032118) | 337.0 (195.4, 548.6)       | 0.000971 (0.0005633, 0.0015812) |
| Sulawesi Selatan | Transport injuries                            | 30  | 6,902.4 (5,482.9, 9,077.6)  | 0.021602 (0.0171595, 0.0284099) | 1,838.0 (1,377.2, 2,468.2) | 0.005298 (0.0039697, 0.0071143) |
| Sulawesi Selatan | Other unintentional injuries                  | 30  | 1,537.4 (1,097.6, 2,167.3)  | 0.004812 (0.0034351, 0.0067829) | 494.5 (333.2, 718.9)       | 0.001425 (0.0009604, 0.0020720) |
| Sulawesi Selatan | Diarrheal diseases                            | 35  | 735.0 (478.8, 1,105.1)      | 0.002324 (0.0015138, 0.0034942) | 630.9 (405.5, 920.9)       | 0.001905 (0.0012243, 0.0027806) |
| Sulawesi Selatan | HIV/AIDS                                      | 35  | 671.8 (325.1, 1,202.6)      | 0.002124 (0.0010279, 0.0038025) | 414.2 (202.0, 758.4)       | 0.001251 (0.0006100, 0.0022900) |
| Sulawesi Selatan | Lower respiratory infections                  | 35  | 970.1 (671.1, 1,407.5)      | 0.003067 (0.0021218, 0.0044503) | 500.8 (330.6, 730.0)       | 0.001512 (0.0009982, 0.0022043) |
| Sulawesi Selatan | Malaria                                       | 35  | 302.6 (147.5, 547.4)        | 0.000957 (0.0004664, 0.0017307) | 173.7 (79.3, 332.4)        | 0.000525 (0.0002396, 0.0010036) |
| Sulawesi Selatan | Tuberculosis                                  | 35  | 6,680.4 (5,393.9, 8,740.7)  | 0.021123 (0.0170549, 0.0276369) | 3,172.1 (2,472.4, 4,179.0) | 0.009578 (0.0074655, 0.0126185) |
| Sulawesi Selatan | Maternal disorders                            | 35  |                             |                                 | 1,181.5 (782.0, 1,686.7)   | 0.003567 (0.0023613, 0.0050930) |
| Sulawesi Selatan | Other communicable diseases                   | 35  | 2,834.4 (2,142.6, 3,715.2)  | 0.008962 (0.0067745, 0.0117469) | 1,701.0 (1,221.2, 2,358.7) | 0.005136 (0.0036876, 0.0071222) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 35  | 521.5 (280.3, 882.8)        | 0.001649 (0.0008862, 0.0027913) | 240.1 (123.4, 407.9)       | 0.000725 (0.0003726, 0.0012316) |
| Sulawesi Selatan | Breast cancer                                 | 35  | 34.2 (11.7, 83.3)           | 0.000108 (0.0000369, 0.0002634) | 2,840.3 (2,058.5, 3,850.3) | 0.008576 (0.0062156, 0.0116261) |
| Sulawesi Selatan | Cervical cancer                               | 35  |                             |                                 | 795.0 (441.7, 1,273.2)     | 0.002401 (0.0013338, 0.0038444) |
| Sulawesi Selatan | Other malignant neoplasms                     | 35  | 3,305.1 (2,596.7, 4,359.0)  | 0.010450 (0.0082105, 0.0137826) | 2,073.0 (1,447.1, 2,860.6) | 0.006260 (0.0043695, 0.0086376) |
| Sulawesi Selatan | Cerebrovascular disease                       | 35  | 2,225.7 (1,754.7, 2,947.1)  | 0.007037 (0.0055482, 0.0093183) | 1,839.0 (1,414.8, 2,415.2) | 0.005553 (0.0042720, 0.0072926) |
| Sulawesi Selatan | Ischemic heart disease                        | 35  | 5,060.3 (4,110.3, 6,588.3)  | 0.016000 (0.0129964, 0.0208314) | 2,636.2 (2,028.9, 3,487.1) | 0.007960 (0.0061263, 0.0105293) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                       |                                 | Females                    |                                 |
|------------------|-----------------------------------------------|-----|-----------------------------|---------------------------------|----------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 35  | 561.8 (400.7, 795.2)        | 0.001776 (0.0012669, 0.0025142) | 620.4 (433.1, 879.2)       | 0.001873 (0.0013076, 0.0026549) |
| Sulawesi Selatan | Diabetes mellitus                             | 35  | 994.2 (718.1, 1,350.2)      | 0.003143 (0.0022705, 0.0042690) | 1,233.0 (887.5, 1,661.4)   | 0.003723 (0.0026798, 0.0050168) |
| Sulawesi Selatan | Chronic kidney disease                        | 35  | 1,341.0 (986.3, 1,817.3)    | 0.004240 (0.0031186, 0.0057461) | 966.8 (671.2, 1,339.0)     | 0.002919 (0.0020267, 0.0040431) |
| Sulawesi Selatan | Cirrhosis                                     | 35  | 3,160.9 (2,488.8, 4,263.1)  | 0.009994 (0.0078692, 0.0134793) | 1,591.8 (1,146.3, 2,152.4) | 0.004807 (0.0034612, 0.0064993) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 35  | 2,330.3 (1,757.2, 3,115.3)  | 0.007368 (0.0055561, 0.0098501) | 1,386.5 (1,026.9, 1,859.3) | 0.004187 (0.0031007, 0.0056143) |
| Sulawesi Selatan | Other non-communicable diseases               | 35  | 3,140.2 (2,492.7, 4,147.4)  | 0.009929 (0.0078814, 0.0131134) | 2,628.1 (2,010.3, 3,446.1) | 0.007936 (0.0060702, 0.0104056) |
| Sulawesi Selatan | Drowning                                      | 35  | 1,054.0 (614.5, 1,693.3)    | 0.003333 (0.0019430, 0.0053540) | 314.2 (162.9, 541.5)       | 0.000949 (0.0004919, 0.0016351) |
| Sulawesi Selatan | Falls                                         | 35  | 828.4 (519.3, 1,238.9)      | 0.002619 (0.0016420, 0.0039171) | 324.4 (192.5, 510.2)       | 0.000980 (0.0005812, 0.0015407) |
| Sulawesi Selatan | Interpersonal violence                        | 35  | 345.8 (211.7, 535.7)        | 0.001093 (0.0006694, 0.0016938) | 207.3 (116.0, 336.2)       | 0.000626 (0.0003502, 0.0010152) |
| Sulawesi Selatan | Self-harm                                     | 35  | 681.6 (411.7, 1,053.2)      | 0.002155 (0.0013017, 0.0033299) | 342.9 (201.9, 563.6)       | 0.001035 (0.0006096, 0.0017017) |
| Sulawesi Selatan | Transport injuries                            | 35  | 5,753.4 (4,532.0, 7,508.2)  | 0.018191 (0.0143296, 0.0237399) | 1,718.9 (1,261.5, 2,350.5) | 0.005190 (0.0038090, 0.0070974) |
| Sulawesi Selatan | Other unintentional injuries                  | 35  | 1,502.5 (1,053.5, 2,140.2)  | 0.004751 (0.0033309, 0.0067672) | 534.7 (356.2, 783.8)       | 0.001614 (0.0010757, 0.0023666) |
| Sulawesi Selatan | Diarrheal diseases                            | 40  | 761.0 (518.9, 1,105.5)      | 0.002792 (0.0019037, 0.0040558) | 762.3 (505.1, 1,087.6)     | 0.002583 (0.0017114, 0.0036851) |
| Sulawesi Selatan | HIV/AIDS                                      | 40  | 331.3 (157.2, 626.7)        | 0.001216 (0.0005767, 0.0022994) | 233.9 (109.7, 427.0)       | 0.000792 (0.0003716, 0.0014468) |
| Sulawesi Selatan | Lower respiratory infections                  | 40  | 888.5 (631.7, 1,254.8)      | 0.003260 (0.0023174, 0.0046037) | 564.8 (380.1, 816.8)       | 0.001914 (0.0012879, 0.0027675) |
| Sulawesi Selatan | Malaria                                       | 40  | 290.5 (138.6, 509.1)        | 0.001066 (0.0005085, 0.0018679) | 179.7 (81.7, 334.4)        | 0.000609 (0.0002767, 0.0011329) |
| Sulawesi Selatan | Tuberculosis                                  | 40  | 5,760.4 (4,706.0, 7,495.6)  | 0.021134 (0.0172655, 0.0274999) | 3,118.9 (2,425.7, 4,096.3) | 0.010568 (0.0082191, 0.0138795) |
| Sulawesi Selatan | Maternal disorders                            | 40  |                             |                                 | 361.1 (210.9, 559.2)       | 0.001224 (0.0007147, 0.0018947) |
| Sulawesi Selatan | Other communicable diseases                   | 40  | 2,629.5 (2,034.6, 3,404.0)  | 0.009647 (0.0074646, 0.0124885) | 1,883.2 (1,402.6, 2,489.6) | 0.006381 (0.0047524, 0.0084357) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 40  | 682.2 (403.9, 1,102.5)      | 0.002503 (0.0014819, 0.0040449) | 299.7 (166.1, 507.8)       | 0.001015 (0.0005629, 0.0017204) |
| Sulawesi Selatan | Breast cancer                                 | 40  | 68.9 (28.3, 146.7)          | 0.000253 (0.0001038, 0.0005382) | 3,713.2 (2,752.5, 4,900.7) | 0.012582 (0.0093263, 0.0166053) |
| Sulawesi Selatan | Cervical cancer                               | 40  |                             |                                 | 1,148.5 (637.5, 1,797.4)   | 0.003892 (0.0021602, 0.0060902) |
| Sulawesi Selatan | Other malignant neoplasms                     | 40  | 4,817.1 (3,828.8, 6,319.2)  | 0.017673 (0.0140473, 0.0231838) | 2,205.6 (1,563.7, 2,973.7) | 0.007473 (0.0052984, 0.0100758) |
| Sulawesi Selatan | Cerebrovascular disease                       | 40  | 3,678.8 (2,984.8, 4,729.1)  | 0.013497 (0.0109505, 0.0173500) | 3,080.2 (2,398.5, 4,001.2) | 0.010437 (0.0081269, 0.0135573) |
| Sulawesi Selatan | Ischemic heart disease                        | 40  | 7,440.5 (6,077.1, 9,600.9)  | 0.027298 (0.0222955, 0.0352237) | 4,099.7 (3,184.3, 5,284.6) | 0.013891 (0.0107894, 0.0179061) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 40  | 847.4 (618.1, 1,182.7)      | 0.003109 (0.0022677, 0.0043393) | 889.2 (616.7, 1,210.7)     | 0.003013 (0.0020894, 0.0041023) |
| Sulawesi Selatan | Diabetes mellitus                             | 40  | 2,110.8 (1,611.0, 2,782.3)  | 0.007744 (0.0059106, 0.0102076) | 2,489.5 (1,861.5, 3,275.5) | 0.008435 (0.0063075, 0.0110986) |
| Sulawesi Selatan | Chronic kidney disease                        | 40  | 1,734.2 (1,275.2, 2,344.5)  | 0.006362 (0.0046784, 0.0086017) | 1,182.9 (836.0, 1,627.5)   | 0.004008 (0.0028326, 0.0055144) |
| Sulawesi Selatan | Cirrhosis                                     | 40  | 3,932.5 (3,067.9, 5,157.4)  | 0.014428 (0.0112554, 0.0189214) | 1,983.4 (1,447.6, 2,671.9) | 0.006720 (0.0049050, 0.0090533) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 40  | 3,048.5 (2,334.7, 4,030.1)  | 0.011184 (0.0085655, 0.0147855) | 1,632.6 (1,205.8, 2,189.7) | 0.005532 (0.0040855, 0.0074195) |
| Sulawesi Selatan | Other non-communicable diseases               | 40  | 3,581.9 (2,866.4, 4,705.5)  | 0.013141 (0.0105162, 0.0172636) | 2,956.7 (2,307.0, 3,808.2) | 0.010018 (0.0078168, 0.0129035) |
| Sulawesi Selatan | Drowning                                      | 40  | 533.6 (298.3, 921.5)        | 0.001958 (0.0010943, 0.0033807) | 182.4 (94.6, 323.3)        | 0.000618 (0.0003207, 0.0010954) |
| Sulawesi Selatan | Falls                                         | 40  | 695.3 (445.5, 1,070.2)      | 0.002551 (0.0016344, 0.0039264) | 299.8 (181.9, 455.9)       | 0.001016 (0.0006163, 0.0015448) |
| Sulawesi Selatan | Interpersonal violence                        | 40  | 261.2 (155.5, 411.8)        | 0.000958 (0.0005704, 0.0015108) | 150.8 (84.3, 247.3)        | 0.000511 (0.0002855, 0.0008381) |
| Sulawesi Selatan | Self-harm                                     | 40  | 585.1 (356.3, 888.6)        | 0.002146 (0.0013071, 0.0032602) | 277.6 (157.7, 453.3)       | 0.000941 (0.0005342, 0.0015358) |
| Sulawesi Selatan | Transport injuries                            | 40  | 4,490.1 (3,448.5, 5,903.6)  | 0.016473 (0.0126520, 0.0216590) | 1,397.1 (1,031.0, 1,876.6) | 0.004734 (0.0034935, 0.0063586) |
| Sulawesi Selatan | Other unintentional injuries                  | 40  | 1,159.2 (790.1, 1,638.6)    | 0.004253 (0.0028987, 0.0060116) | 420.8 (280.9, 614.8)       | 0.001426 (0.0009518, 0.0020830) |
| Sulawesi Selatan | Diarrheal diseases                            | 45  | 696.2 (457.0, 1,024.0)      | 0.003197 (0.0020986, 0.0047021) | 861.6 (570.9, 1,217.5)     | 0.003564 (0.0023615, 0.0050361) |
| Sulawesi Selatan | HIV/AIDS                                      | 45  | 150.6 (67.9, 294.4)         | 0.000691 (0.0003118, 0.0013519) | 131.0 (60.7, 242.8)        | 0.000542 (0.0002510, 0.0010043) |
| Sulawesi Selatan | Lower respiratory infections                  | 45  | 975.5 (699.5, 1,344.2)      | 0.004479 (0.0032121, 0.0061726) | 792.9 (557.3, 1,130.9)     | 0.003280 (0.0023053, 0.0046781) |
| Sulawesi Selatan | Malaria                                       | 45  | 225.1 (110.1, 395.0)        | 0.001034 (0.0005054, 0.0018139) | 155.0 (74.2, 284.7)        | 0.000641 (0.0003070, 0.0011779) |
| Sulawesi Selatan | Tuberculosis                                  | 45  | 5,531.0 (4,465.0, 7,045.1)  | 0.025398 (0.0205033, 0.0323511) | 3,390.3 (2,665.2, 4,328.7) | 0.014024 (0.0110248, 0.0179058) |
| Sulawesi Selatan | Maternal disorders                            | 45  |                             |                                 | 120.4 (57.2, 212.3)        | 0.000498 (0.0002367, 0.0008784) |
| Sulawesi Selatan | Other communicable diseases                   | 45  | 2,093.3 (1,563.2, 2,754.3)  | 0.009612 (0.0071782, 0.0126475) | 1,906.5 (1,462.2, 2,501.7) | 0.007887 (0.0060486, 0.0103484) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 45  | 962.9 (596.7, 1,459.4)      | 0.004422 (0.0027399, 0.0067014) | 362.5 (208.6, 610.3)       | 0.001500 (0.0008629, 0.0025246) |
| Sulawesi Selatan | Breast cancer                                 | 45  | 72.5 (34.6, 138.7)          | 0.000333 (0.0001587, 0.0006370) | 3,646.3 (2,701.2, 4,808.4) | 0.015083 (0.0111737, 0.0198900) |
| Sulawesi Selatan | Cervical cancer                               | 45  |                             |                                 | 1,244.8 (723.0, 1,905.1)   | 0.005149 (0.0029907, 0.0078807) |
| Sulawesi Selatan | Other malignant neoplasms                     | 45  | 3,899.5 (3,032.2, 5,081.5)  | 0.017907 (0.0139239, 0.0233340) | 2,091.5 (1,496.2, 2,786.9) | 0.008652 (0.0061893, 0.0115280) |
| Sulawesi Selatan | Cerebrovascular disease                       | 45  | 4,986.3 (3,951.7, 6,441.8)  | 0.022897 (0.0181460, 0.0295806) | 4,771.9 (3,813.3, 6,079.4) | 0.019739 (0.0157739, 0.0251478) |
| Sulawesi Selatan | Ischemic heart disease                        | 45  | 9,170.0 (7,353.7, 11,652.6) | 0.042109 (0.0337683, 0.0535088) | 5,413.0 (4,299.5, 6,811.3) | 0.022391 (0.0177853, 0.0281755) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 45  | 1,002.7 (724.6, 1,408.5)    | 0.004604 (0.0033274, 0.0064678) | 1,195.2 (862.5, 1,612.4)   | 0.004944 (0.0035676, 0.0066698) |
| Sulawesi Selatan | Diabetes mellitus                             | 45  | 3,129.1 (2,386.4, 4,178.1)  | 0.014369 (0.0109585, 0.0191856) | 4,041.8 (3,100.6, 5,102.6) | 0.016719 (0.0128258, 0.0211071) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                    |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sulawesi Selatan | Chronic kidney disease                        | 45  | 1,706.3       | (1,257.9, 2,265.2)  | 0.007835                 | (0.0057763, 0.0104016) | 1,260.1       | (897.8, 1,688.0)   | 0.005212                 | (0.0037137, 0.0069825) |
| Sulawesi Selatan | Cirrhosis                                     | 45  | 3,783.1       | (2,899.8, 4,921.7)  | 0.017372                 | (0.0133158, 0.0226003) | 2,225.8       | (1,632.4, 2,971.2) | 0.009207                 | (0.0067524, 0.0122906) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 45  | 3,401.8       | (2,598.5, 4,430.5)  | 0.015621                 | (0.0119323, 0.0203450) | 2,155.7       | (1,609.9, 2,782.7) | 0.008917                 | (0.0066593, 0.0115107) |
| Sulawesi Selatan | Other non-communicable diseases               | 45  | 3,367.0       | (2,671.1, 4,416.2)  | 0.015461                 | (0.0122658, 0.0202791) | 3,183.7       | (2,549.6, 4,033.2) | 0.013170                 | (0.0105468, 0.0166837) |
| Sulawesi Selatan | Drowning                                      | 45  | 344.5         | (173.8, 604.1)      | 0.001582                 | (0.0007982, 0.0027742) | 160.7         | (76.5, 289.5)      | 0.000665                 | (0.0003166, 0.0011974) |
| Sulawesi Selatan | Falls                                         | 45  | 726.9         | (463.8, 1,109.7)    | 0.003338                 | (0.0021298, 0.0050958) | 404.1         | (248.9, 614.7)     | 0.001672                 | (0.0010296, 0.0025426) |
| Sulawesi Selatan | Interpersonal violence                        | 45  | 200.6         | (117.1, 312.8)      | 0.000921                 | (0.0005378, 0.0014364) | 125.2         | (70.5, 202.6)      | 0.000518                 | (0.0002918, 0.0008381) |
| Sulawesi Selatan | Self-harm                                     | 45  | 509.0         | (310.2, 802.2)      | 0.002337                 | (0.0014244, 0.0036837) | 253.5         | (142.0, 407.2)     | 0.001049                 | (0.0005872, 0.0016844) |
| Sulawesi Selatan | Transport injuries                            | 45  | 4,207.8       | (3,211.2, 5,547.3)  | 0.019322                 | (0.0147458, 0.0254732) | 1,594.1       | (1,182.0, 2,112.9) | 0.006594                 | (0.0048896, 0.0087399) |
| Sulawesi Selatan | Other unintentional injuries                  | 45  | 993.5         | (674.0, 1,410.6)    | 0.004562                 | (0.0030951, 0.0064772) | 420.9         | (286.8, 607.1)     | 0.001741                 | (0.0011863, 0.0025112) |
| Sulawesi Selatan | Diarrheal diseases                            | 50  | 877.4         | (596.2, 1,241.7)    | 0.004886                 | (0.0033200, 0.0069149) | 1,087.9       | (766.5, 1,512.3)   | 0.005506                 | (0.0038794, 0.0076543) |
| Sulawesi Selatan | HIV/AIDS                                      | 50  | 60.6          | (23.8, 128.3)       | 0.000338                 | (0.0001326, 0.0007146) | 52.8          | (21.0, 109.1)      | 0.000267                 | (0.0001063, 0.0005520) |
| Sulawesi Selatan | Lower respiratory infections                  | 50  | 1,163.2       | (811.2, 1,612.2)    | 0.006478                 | (0.0045175, 0.0089785) | 990.0         | (693.5, 1,393.8)   | 0.005011                 | (0.0035103, 0.0070548) |
| Sulawesi Selatan | Malaria                                       | 50  | 217.5         | (104.1, 386.4)      | 0.001211                 | (0.0005800, 0.0021522) | 142.8         | (67.0, 277.8)      | 0.000723                 | (0.0003593, 0.0014058) |
| Sulawesi Selatan | Tuberculosis                                  | 50  | 5,645.0       | (4,384.4, 7,274.4)  | 0.031438                 | (0.0244171, 0.0405120) | 3,434.1       | (2,725.6, 4,381.5) | 0.017381                 | (0.0137953, 0.0221768) |
| Sulawesi Selatan | Maternal disorders                            | 50  |               |                     |                          |                        | 33.6          | (10.8, 79.1)       | 0.000170                 | (0.0000545, 0.0004002) |
| Sulawesi Selatan | Other communicable diseases                   | 50  | 2,004.5       | (1,490.5, 2,646.8)  | 0.011163                 | (0.0083005, 0.0147401) | 1,861.0       | (1,410.3, 2,429.5) | 0.009419                 | (0.0071380, 0.0122964) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 50  | 950.5         | (557.3, 1,512.7)    | 0.005294                 | (0.0031036, 0.0084241) | 373.0         | (208.9, 610.5)     | 0.001888                 | (0.0010575, 0.0030900) |
| Sulawesi Selatan | Breast cancer                                 | 50  | 73.3          | (36.5, 131.6)       | 0.000408                 | (0.0002033, 0.0007330) | 2,970.1       | (2,174.4, 3,973.8) | 0.015033                 | (0.0110054, 0.0201130) |
| Sulawesi Selatan | Cervical cancer                               | 50  |               |                     |                          |                        | 1,054.9       | (597.4, 1,636.8)   | 0.005339                 | (0.0030239, 0.0082847) |
| Sulawesi Selatan | Other malignant neoplasms                     | 50  | 3,573.6       | (2,718.3, 4,665.4)  | 0.019902                 | (0.0151385, 0.0259823) | 1,981.4       | (1,396.8, 2,648.0) | 0.010029                 | (0.0070695, 0.0134028) |
| Sulawesi Selatan | Cerebrovascular disease                       | 50  | 6,723.7       | (5,199.0, 8,574.1)  | 0.037445                 | (0.0289535, 0.0477502) | 6,456.1       | (5,263.0, 8,182.2) | 0.032677                 | (0.0266384, 0.0414136) |
| Sulawesi Selatan | Ischemic heart disease                        | 50  | 10,694.1      | (8,360.9, 13,674.3) | 0.059556                 | (0.0465625, 0.0761534) | 6,467.1       | (5,200.9, 8,191.1) | 0.032733                 | (0.0263238, 0.0414583) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 50  | 1,347.3       | (957.4, 1,881.7)    | 0.007503                 | (0.0053318, 0.0104795) | 1,551.4       | (1,142.2, 2,091.7) | 0.007853                 | (0.0057812, 0.0105872) |
| Sulawesi Selatan | Diabetes mellitus                             | 50  | 4,085.2       | (3,041.3, 5,486.3)  | 0.022751                 | (0.0169374, 0.0305539) | 5,177.3       | (4,030.3, 6,618.8) | 0.026205                 | (0.0203989, 0.0335003) |
| Sulawesi Selatan | Chronic kidney disease                        | 50  | 1,760.4       | (1,276.8, 2,333.0)  | 0.009804                 | (0.0071108, 0.0129927) | 1,267.6       | (914.8, 1,696.1)   | 0.006416                 | (0.0046304, 0.0085848) |
| Sulawesi Selatan | Cirrhosis                                     | 50  | 3,854.3       | (2,874.4, 5,101.3)  | 0.021465                 | (0.0160080, 0.0284097) | 2,298.9       | (1,724.8, 3,033.6) | 0.011636                 | (0.0087300, 0.0153541) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 50  | 4,537.1       | (3,419.1, 6,033.3)  | 0.025268                 | (0.0190413, 0.0335998) | 2,728.3       | (2,080.9, 3,541.9) | 0.013809                 | (0.0105321, 0.0179270) |
| Sulawesi Selatan | Other non-communicable diseases               | 50  | 3,574.9       | (2,742.6, 4,681.4)  | 0.019909                 | (0.0152736, 0.0260713) | 3,342.5       | (2,649.4, 4,299.3) | 0.016918                 | (0.0134099, 0.0217605) |
| Sulawesi Selatan | Drowning                                      | 50  | 231.0         | (112.5, 410.8)      | 0.001286                 | (0.0006265, 0.0022877) | 115.8         | (52.8, 203.8)      | 0.000586                 | (0.0002670, 0.0010316) |
| Sulawesi Selatan | Falls                                         | 50  | 766.8         | (496.7, 1,176.2)    | 0.004270                 | (0.0027661, 0.0065503) | 442.5         | (280.9, 658.6)     | 0.002240                 | (0.0014218, 0.0033333) |
| Sulawesi Selatan | Interpersonal violence                        | 50  | 150.5         | (84.8, 241.2)       | 0.000838                 | (0.0004723, 0.0013433) | 88.9          | (48.7, 147.8)      | 0.000450                 | (0.0002465, 0.0007482) |
| Sulawesi Selatan | Self-harm                                     | 50  | 427.1         | (249.7, 706.2)      | 0.002379                 | (0.0013907, 0.0039326) | 198.1         | (108.1, 328.6)     | 0.001003                 | (0.0005471, 0.0016633) |
| Sulawesi Selatan | Transport injuries                            | 50  | 3,124.6       | (2,275.1, 4,191.6)  | 0.017401                 | (0.0126704, 0.0233432) | 1,182.0       | (854.4, 1,643.8)   | 0.005983                 | (0.0043244, 0.0083201) |
| Sulawesi Selatan | Other unintentional injuries                  | 50  | 768.6         | (515.0, 1,103.5)    | 0.004280                 | (0.0028679, 0.0061454) | 320.3         | (209.7, 455.5)     | 0.001621                 | (0.0010614, 0.0023056) |
| Sulawesi Selatan | Diarrheal diseases                            | 55  | 905.4         | (605.3, 1,298.7)    | 0.006551                 | (0.0043792, 0.0093958) | 1,153.5       | (821.2, 1,599.7)   | 0.007667                 | (0.0054584, 0.0106322) |
| Sulawesi Selatan | HIV/AIDS                                      | 55  | 23.6          | (8.5, 52.3)         | 0.000171                 | (0.0000616, 0.0003783) | 21.1          | (7.9, 47.1)        | 0.000140                 | (0.0000527, 0.0003132) |
| Sulawesi Selatan | Lower respiratory infections                  | 55  | 1,108.0       | (779.2, 1,519.5)    | 0.008016                 | (0.0056377, 0.0109933) | 1,004.4       | (699.4, 1,358.3)   | 0.006676                 | (0.0046483, 0.0090278) |
| Sulawesi Selatan | Malaria                                       | 55  | 209.8         | (100.5, 379.5)      | 0.001518                 | (0.0007268, 0.0027453) | 131.5         | (62.0, 253.0)      | 0.000874                 | (0.0004119, 0.0016815) |
| Sulawesi Selatan | Tuberculosis                                  | 55  | 4,741.8       | (3,594.5, 6,079.7)  | 0.034307                 | (0.0260056, 0.0439864) | 2,824.8       | (2,188.0, 3,627.9) | 0.018775                 | (0.0145425, 0.0241132) |
| Sulawesi Selatan | Other communicable diseases                   | 55  | 1,796.5       | (1,321.4, 2,402.1)  | 0.012998                 | (0.0095602, 0.0173792) | 1,756.4       | (1,317.9, 2,253.6) | 0.011674                 | (0.0087593, 0.0149785) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 55  | 1,074.2       | (638.6, 1,672.1)    | 0.007772                 | (0.0046199, 0.0120976) | 296.5         | (167.9, 477.8)     | 0.001971                 | (0.0011159, 0.0031757) |
| Sulawesi Selatan | Breast cancer                                 | 55  | 57.9          | (28.6, 109.5)       | 0.000419                 | (0.0002071, 0.0007924) | 2,242.5       | (1,645.0, 3,004.0) | 0.014905                 | (0.0109333, 0.0199661) |
| Sulawesi Selatan | Cervical cancer                               | 55  |               |                     |                          |                        | 725.9         | (410.8, 1,142.1)   | 0.004825                 | (0.0027302, 0.0075907) |
| Sulawesi Selatan | Other malignant neoplasms                     | 55  | 2,714.9       | (2,022.5, 3,571.9)  | 0.019642                 | (0.0146327, 0.0258425) | 1,766.4       | (1,242.6, 2,367.4) | 0.011741                 | (0.0082590, 0.0157351) |
| Sulawesi Selatan | Cerebrovascular disease                       | 55  | 7,754.4       | (5,940.1, 9,873.3)  | 0.056102                 | (0.0429759, 0.0714328) | 7,731.0       | (6,258.5, 9,630.3) | 0.051385                 | (0.0415971, 0.0640084) |
| Sulawesi Selatan | Ischemic heart disease                        | 55  | 11,805.1      | (9,098.7, 15,096.3) | 0.085409                 | (0.0658285, 0.1092202) | 7,260.1       | (5,804.2, 9,021.2) | 0.048255                 | (0.0385780, 0.0599595) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 55  | 1,509.8       | (1,063.7, 2,153.9)  | 0.010923                 | (0.0076960, 0.0155831) | 1,771.3       | (1,295.3, 2,401.5) | 0.011773                 | (0.0086090, 0.0159618) |
| Sulawesi Selatan | Diabetes mellitus                             | 55  | 4,232.9       | (3,107.4, 5,594.9)  | 0.030625                 | (0.0224816, 0.0404788) | 5,451.1       | (4,225.8, 6,923.4) | 0.036231                 | (0.0280868, 0.0460166) |
| Sulawesi Selatan | Chronic kidney disease                        | 55  | 1,671.2       | (1,193.0, 2,227.4)  | 0.012091                 | (0.0086313, 0.0161154) | 1,201.7       | (861.2, 1,611.0)   | 0.007987                 | (0.0057241, 0.0107073) |
| Sulawesi Selatan | Cirrhosis                                     | 55  | 3,350.4       | (2,470.7, 4,459.4)  | 0.024240                 | (0.0178752, 0.0322634) | 2,106.2       | (1,560.3, 2,776.8) | 0.013999                 | (0.0103708, 0.0184561) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 55  | 4,691.5       | (3,474.9, 6,214.2)  | 0.033942                 | (0.0251406, 0.0449589) | 2,924.4       | (2,266.0, 3,780.5) | 0.019437                 | (0.0150611, 0.0251274) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males                         |                                 | Females                      |                                 |
|------------------|-----------------------------------------------|-----|-------------------------------|---------------------------------|------------------------------|---------------------------------|
|                  |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                | YLLs per capita (95% UI)        |
| Sulawesi Selatan | Other non-communicable diseases               | 55  | 3,647.0 (2,743.3, 4,724.3)    | 0.026386 (0.0198472, 0.0341797) | 3,517.1 (2,785.8, 4,466.1)   | 0.023376 (0.0185156, 0.0296844) |
| Sulawesi Selatan | Drowning                                      | 55  | 154.5 (68.1, 292.3)           | 0.001118 (0.0004927, 0.0021147) | 87.4 (38.0, 167.9)           | 0.000581 (0.0002529, 0.0011158) |
| Sulawesi Selatan | Falls                                         | 55  | 762.3 (476.7, 1,164.2)        | 0.005515 (0.0034488, 0.0084231) | 475.9 (314.4, 699.3)         | 0.003163 (0.0020895, 0.0046478) |
| Sulawesi Selatan | Interpersonal violence                        | 55  | 112.8 (59.8, 188.1)           | 0.000816 (0.0004326, 0.0013606) | 63.1 (34.3, 105.9)           | 0.000419 (0.0002278, 0.0007036) |
| Sulawesi Selatan | Self-harm                                     | 55  | 367.9 (213.3, 597.8)          | 0.002662 (0.0015429, 0.0043248) | 158.6 (85.7, 268.1)          | 0.001054 (0.0005693, 0.0017822) |
| Sulawesi Selatan | Transport injuries                            | 55  | 1,956.6 (1,381.3, 2,708.1)    | 0.014156 (0.0099935, 0.0195932) | 765.6 (539.9, 1,058.9)       | 0.005089 (0.0035887, 0.0070382) |
| Sulawesi Selatan | Other unintentional injuries                  | 55  | 590.4 (385.8, 885.9)          | 0.004271 (0.0027914, 0.0064093) | 247.4 (160.2, 361.8)         | 0.001644 (0.0010648, 0.0024048) |
| Sulawesi Selatan | Diarrheal diseases                            | 60  | 1,198.9 (803.0, 1,666.2)      | 0.010749 (0.0071994, 0.0149388) | 1,523.3 (1,105.6, 2,037.8)   | 0.011558 (0.0083885, 0.0154616) |
| Sulawesi Selatan | HIV/AIDS                                      | 60  | 18.4 (5.9, 42.3)              | 0.000165 (0.0000529, 0.0003793) | 16.4 (5.3, 37.3)             | 0.000125 (0.0000399, 0.0002829) |
| Sulawesi Selatan | Lower respiratory infections                  | 60  | 1,702.4 (1,171.7, 2,284.6)    | 0.015263 (0.0105048, 0.0204836) | 1,614.3 (1,200.9, 2,120.4)   | 0.012248 (0.0091116, 0.0160884) |
| Sulawesi Selatan | Malaria                                       | 60  | 252.2 (125.0, 439.4)          | 0.002261 (0.0011210, 0.0039394) | 150.8 (70.2, 281.3)          | 0.001144 (0.0005330, 0.0021346) |
| Sulawesi Selatan | Tuberculosis                                  | 60  | 6,119.5 (4,586.8, 7,744.3)    | 0.054866 (0.0411250, 0.0694343) | 3,673.3 (2,962.8, 4,498.1)   | 0.027871 (0.0224799, 0.0341293) |
| Sulawesi Selatan | Other communicable diseases                   | 60  | 1,725.8 (1,206.6, 2,311.2)    | 0.015473 (0.0108186, 0.0207221) | 1,703.9 (1,281.0, 2,241.7)   | 0.012928 (0.0097199, 0.0170091) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 60  | 998.9 (582.2, 1,580.8)        | 0.008956 (0.0052196, 0.0141734) | 293.2 (168.5, 471.3)         | 0.002225 (0.0012788, 0.0035758) |
| Sulawesi Selatan | Breast cancer                                 | 60  | 51.8 (23.9, 99.9)             | 0.000464 (0.0002140, 0.0008953) | 1,812.8 (1,313.0, 2,431.3)   | 0.013755 (0.0099625, 0.0184477) |
| Sulawesi Selatan | Cervical cancer                               | 60  |                               |                                 | 616.3 (339.6, 969.7)         | 0.004676 (0.0025766, 0.0073577) |
| Sulawesi Selatan | Other malignant neoplasms                     | 60  | 2,828.8 (2,065.3, 3,647.9)    | 0.025362 (0.0185175, 0.0327065) | 2,040.1 (1,495.7, 2,662.2)   | 0.015480 (0.0113486, 0.0201996) |
| Sulawesi Selatan | Cerebrovascular disease                       | 60  | 9,854.7 (7,435.7, 12,327.6)   | 0.088356 (0.0666677, 0.1105278) | 9,953.6 (8,270.9, 12,128.9)  | 0.075523 (0.0627554, 0.0920281) |
| Sulawesi Selatan | Ischemic heart disease                        | 60  | 13,266.8 (10,000.0, 16,667.0) | 0.118948 (0.0896590, 0.1494339) | 8,543.6 (7,000.6, 10,349.8)  | 0.064825 (0.0531169, 0.0785295) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 60  | 1,925.7 (1,321.5, 2,693.6)    | 0.017265 (0.0118484, 0.0241504) | 2,188.0 (1,645.9, 2,933.0)   | 0.016602 (0.0124880, 0.0222545) |
| Sulawesi Selatan | Diabetes mellitus                             | 60  | 4,254.0 (3,063.1, 5,612.6)    | 0.038141 (0.0274632, 0.0503217) | 5,527.8 (4,391.3, 6,961.3)   | 0.041942 (0.0333192, 0.0528191) |
| Sulawesi Selatan | Chronic kidney disease                        | 60  | 1,723.2 (1,205.7, 2,301.9)    | 0.015450 (0.0108102, 0.0206387) | 1,229.2 (905.9, 1,609.6)     | 0.009327 (0.0068734, 0.0122127) |
| Sulawesi Selatan | Cirrhosis                                     | 60  | 3,281.9 (2,380.9, 4,364.1)    | 0.029425 (0.0213464, 0.0391282) | 2,113.8 (1,596.6, 2,687.3)   | 0.016038 (0.0121143, 0.0203901) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 60  | 7,399.8 (5,500.8, 9,406.4)    | 0.066346 (0.0493195, 0.0843359) | 4,413.0 (3,507.7, 5,518.7)   | 0.033484 (0.0266149, 0.0418731) |
| Sulawesi Selatan | Other non-communicable diseases               | 60  | 4,726.1 (3,503.3, 6,059.6)    | 0.042373 (0.0314102, 0.0543290) | 4,526.3 (3,648.8, 5,614.2)   | 0.034343 (0.0276853, 0.0425975) |
| Sulawesi Selatan | Drowning                                      | 60  | 134.8 (56.0, 275.7)           | 0.001209 (0.0005018, 0.0024716) | 82.9 (30.9, 171.4)           | 0.000629 (0.0002346, 0.0013005) |
| Sulawesi Selatan | Falls                                         | 60  | 739.2 (460.9, 1,136.7)        | 0.006628 (0.0041326, 0.0101915) | 484.1 (329.3, 703.3)         | 0.003673 (0.0024988, 0.0053361) |
| Sulawesi Selatan | Interpersonal violence                        | 60  | 86.5 (46.7, 147.0)            | 0.000776 (0.0004190, 0.0013181) | 47.1 (24.6, 85.0)            | 0.000358 (0.0001868, 0.0006449) |
| Sulawesi Selatan | Self-harm                                     | 60  | 319.3 (179.6, 520.3)          | 0.002863 (0.0016100, 0.0046646) | 131.9 (71.0, 231.0)          | 0.001001 (0.0005390, 0.0017530) |
| Sulawesi Selatan | Transport injuries                            | 60  | 1,867.2 (1,298.1, 2,541.1)    | 0.016741 (0.0116387, 0.0227833) | 750.1 (531.1, 1,024.5)       | 0.005692 (0.0040294, 0.0077733) |
| Sulawesi Selatan | Other unintentional injuries                  | 60  | 539.3 (345.5, 785.0)          | 0.004835 (0.0030973, 0.0070383) | 227.3 (149.1, 330.0)         | 0.001724 (0.0011310, 0.0025040) |
| Sulawesi Selatan | Diarrheal diseases                            | 65  | 1,671.9 (1,144.0, 2,311.2)    | 0.020693 (0.0141600, 0.0286060) | 2,310.8 (1,748.0, 2,936.3)   | 0.022840 (0.0172775, 0.0290221) |
| Sulawesi Selatan | HIV/AIDS                                      | 65  | 14.4 (4.8, 31.8)              | 0.000178 (0.0000600, 0.0003933) | 14.1 (5.2, 30.6)             | 0.000140 (0.0000517, 0.0003020) |
| Sulawesi Selatan | Lower respiratory infections                  | 65  | 1,631.0 (1,121.6, 2,253.5)    | 0.020187 (0.0138829, 0.0278927) | 1,768.7 (1,299.8, 2,301.9)   | 0.017482 (0.0128471, 0.0227521) |
| Sulawesi Selatan | Malaria                                       | 65  | 218.5 (105.7, 403.6)          | 0.002704 (0.0013087, 0.0049951) | 132.3 (63.2, 255.5)          | 0.001307 (0.0006243, 0.0025255) |
| Sulawesi Selatan | Tuberculosis                                  | 65  | 5,271.5 (3,894.9, 6,896.6)    | 0.065248 (0.0482083, 0.0853621) | 3,354.9 (2,654.3, 4,209.1)   | 0.033160 (0.0262352, 0.0416023) |
| Sulawesi Selatan | Other communicable diseases                   | 65  | 1,413.6 (976.4, 1,981.8)      | 0.017496 (0.0120854, 0.0245290) | 1,558.7 (1,129.9, 2,041.7)   | 0.015406 (0.0111681, 0.0201799) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 65  | 741.9 (425.5, 1,194.7)        | 0.009182 (0.0052663, 0.0147872) | 207.5 (117.8, 330.2)         | 0.002051 (0.0011647, 0.0032640) |
| Sulawesi Selatan | Breast cancer                                 | 65  | 30.7 (12.3, 62.8)             | 0.000380 (0.0001527, 0.0007779) | 1,149.6 (801.1, 1,576.3)     | 0.011363 (0.0079181, 0.0155803) |
| Sulawesi Selatan | Cervical cancer                               | 65  |                               |                                 | 365.9 (197.3, 604.2)         | 0.003616 (0.0019499, 0.0059718) |
| Sulawesi Selatan | Other malignant neoplasms                     | 65  | 1,884.0 (1,349.1, 2,465.7)    | 0.023319 (0.0166980, 0.0305191) | 1,813.6 (1,340.0, 2,372.9)   | 0.017926 (0.0132442, 0.0234538) |
| Sulawesi Selatan | Cerebrovascular disease                       | 65  | 8,898.6 (6,627.4, 11,276.5)   | 0.110141 (0.0820294, 0.1395730) | 10,298.5 (8,583.5, 12,509.6) | 0.101790 (0.0848386, 0.1236438) |
| Sulawesi Selatan | Ischemic heart disease                        | 65  | 11,141.4 (8,274.4, 14,100.5)  | 0.137902 (0.1024151, 0.1745268) | 8,058.6 (6,581.2, 9,776.6)   | 0.079651 (0.0650482, 0.0966309) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 65  | 1,840.0 (1,266.5, 2,584.7)    | 0.022774 (0.0156756, 0.0319921) | 2,335.7 (1,742.9, 3,070.8)   | 0.023086 (0.0172721, 0.0303513) |
| Sulawesi Selatan | Diabetes mellitus                             | 65  | 2,897.4 (2,061.0, 3,853.5)    | 0.035862 (0.0255101, 0.0476956) | 4,282.8 (3,365.7, 5,369.0)   | 0.042331 (0.0332667, 0.0530666) |
| Sulawesi Selatan | Chronic kidney disease                        | 65  | 1,371.5 (951.8, 1,844.4)      | 0.016976 (0.0117804, 0.0228287) | 1,084.5 (798.6, 1,410.1)     | 0.010720 (0.0078933, 0.0139368) |
| Sulawesi Selatan | Cirrhosis                                     | 65  | 2,185.0 (1,539.4, 2,963.6)    | 0.027045 (0.0190533, 0.0366812) | 1,645.7 (1,237.3, 2,114.6)   | 0.016266 (0.0122292, 0.0209006) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 65  | 6,884.0 (5,080.9, 8,900.8)    | 0.085206 (0.0628888, 0.1101687) | 4,611.1 (3,669.4, 5,694.7)   | 0.045576 (0.0362685, 0.0562857) |
| Sulawesi Selatan | Other non-communicable diseases               | 65  | 4,573.3 (3,345.2, 5,923.0)    | 0.056605 (0.0414050, 0.0733113) | 4,963.9 (4,048.8, 6,102.8)   | 0.049063 (0.0400178, 0.0603201) |
| Sulawesi Selatan | Drowning                                      | 65  | 90.5 (35.2, 184.5)            | 0.001120 (0.0004356, 0.0022842) | 69.8 (26.5, 148.0)           | 0.000690 (0.0002616, 0.0014633) |
| Sulawesi Selatan | Falls                                         | 65  | 638.3 (385.6, 998.4)          | 0.007901 (0.0047732, 0.0123578) | 503.0 (335.0, 728.5)         | 0.004972 (0.0033111, 0.0072005) |
| Sulawesi Selatan | Interpersonal violence                        | 65  | 56.1 (27.2, 106.1)            | 0.000694 (0.0003365, 0.0013131) | 32.3 (15.4, 62.6)            | 0.000320 (0.0001520, 0.0006183) |

Aim 2 Supplementary Tables

| Location         | Cause group                                   | Age | Males         |                     |                          |                        | Females       |                     |                          |                        |
|------------------|-----------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|---------------------|--------------------------|------------------------|
|                  |                                               |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Sulawesi Selatan | Self-harm                                     | 65  | 237.1         | (126.8, 400.8)      | 0.002935                 | (0.0015691, 0.0049604) | 101.5         | (55.2, 178.7)       | 0.001004                 | (0.0005459, 0.0017666) |
| Sulawesi Selatan | Transport injuries                            | 65  | 1,285.6       | (841.6, 1,791.6)    | 0.015912                 | (0.0104165, 0.0221752) | 599.0         | (407.9, 828.3)      | 0.005921                 | (0.0040315, 0.0081870) |
| Sulawesi Selatan | Other unintentional injuries                  | 65  | 407.9         | (243.7, 615.3)      | 0.005049                 | (0.0030165, 0.0076161) | 192.5         | (123.4, 284.8)      | 0.001903                 | (0.0012194, 0.0028151) |
| Sulawesi Selatan | Diarrheal diseases                            | 70  | 2,099.3       | (1,476.4, 2,793.3)  | 0.038606                 | (0.0271501, 0.0513686) | 3,065.5       | (2,444.5, 3,732.8)  | 0.040346                 | (0.0321736, 0.0491296) |
| Sulawesi Selatan | HIV/AIDS                                      | 70  | 16.0          | (5.6, 37.4)         | 0.000295                 | (0.0001025, 0.0006879) | 17.2          | (6.3, 39.3)         | 0.000227                 | (0.0000825, 0.0005167) |
| Sulawesi Selatan | Lower respiratory infections                  | 70  | 1,820.5       | (1,231.0, 2,507.7)  | 0.033478                 | (0.0226387, 0.0461167) | 2,206.3       | (1,720.4, 2,807.4)  | 0.029039                 | (0.0226426, 0.0369491) |
| Sulawesi Selatan | Malaria                                       | 70  | 163.8         | (75.5, 303.8)       | 0.003012                 | (0.0013880, 0.0055866) | 106.0         | (45.6, 207.7)       | 0.001396                 | (0.0005999, 0.0027336) |
| Sulawesi Selatan | Tuberculosis                                  | 70  | 4,278.6       | (3,105.3, 5,545.4)  | 0.078683                 | (0.0571053, 0.1019788) | 3,098.1       | (2,479.3, 3,858.8)  | 0.040776                 | (0.0326310, 0.0507871) |
| Sulawesi Selatan | Other communicable diseases                   | 70  | 1,355.0       | (944.0, 1,868.3)    | 0.024918                 | (0.0173595, 0.0343584) | 1,583.2       | (1,177.3, 2,090.7)  | 0.020838                 | (0.0154945, 0.0275171) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 70  | 504.2         | (286.5, 814.3)      | 0.009272                 | (0.0052682, 0.0149746) | 159.6         | (87.8, 260.4)       | 0.002101                 | (0.0011559, 0.0034272) |
| Sulawesi Selatan | Breast cancer                                 | 70  | 16.8          | (6.1, 38.0)         | 0.000308                 | (0.0001119, 0.0006981) | 632.5         | (432.1, 891.3)      | 0.008324                 | (0.0056871, 0.0117306) |
| Sulawesi Selatan | Cervical cancer                               | 70  |               |                     |                          |                        | 202.9         | (102.0, 343.8)      | 0.002670                 | (0.0013423, 0.0045254) |
| Sulawesi Selatan | Other malignant neoplasms                     | 70  | 1,164.9       | (826.4, 1,549.3)    | 0.021423                 | (0.0151970, 0.0284908) | 1,372.3       | (1,021.5, 1,741.1)  | 0.018061                 | (0.0134449, 0.0229157) |
| Sulawesi Selatan | Cerebrovascular disease                       | 70  | 7,697.8       | (5,600.4, 9,795.5)  | 0.141561                 | (0.1029898, 0.1801376) | 10,477.4      | (8,856.6, 12,426.0) | 0.137898                 | (0.1165658, 0.1635436) |
| Sulawesi Selatan | Ischemic heart disease                        | 70  | 8,747.7       | (6,422.7, 11,265.1) | 0.160869                 | (0.1181122, 0.2071631) | 7,822.7       | (6,524.4, 9,231.9)  | 0.102958                 | (0.0858699, 0.1215055) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 70  | 1,665.2       | (1,123.5, 2,344.6)  | 0.030622                 | (0.0206617, 0.0431174) | 2,416.8       | (1,831.6, 3,116.1)  | 0.031808                 | (0.0241064, 0.0410121) |
| Sulawesi Selatan | Diabetes mellitus                             | 70  | 1,738.1       | (1,205.8, 2,326.8)  | 0.031962                 | (0.0221740, 0.0427890) | 3,064.5       | (2,376.0, 3,891.6)  | 0.040333                 | (0.0312713, 0.0512191) |
| Sulawesi Selatan | Chronic kidney disease                        | 70  | 945.0         | (641.9, 1,286.7)    | 0.017378                 | (0.0118047, 0.0236624) | 884.7         | (653.7, 1,161.1)    | 0.011644                 | (0.0086036, 0.0152812) |
| Sulawesi Selatan | Cirrhosis                                     | 70  | 1,552.3       | (1,060.0, 2,121.9)  | 0.028547                 | (0.0194937, 0.0390209) | 1,376.8       | (1,031.8, 1,755.6)  | 0.018121                 | (0.0135795, 0.0231066) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 70  | 6,744.4       | (4,969.4, 8,691.7)  | 0.124028                 | (0.0913865, 0.1598393) | 5,125.5       | (4,207.6, 6,126.0)  | 0.067459                 | (0.0553776, 0.0806271) |
| Sulawesi Selatan | Other non-communicable diseases               | 70  | 4,216.5       | (3,043.3, 5,445.6)  | 0.077540                 | (0.0559661, 0.1001426) | 5,309.4       | (4,343.6, 6,343.8)  | 0.069879                 | (0.0571685, 0.0834929) |
| Sulawesi Selatan | Drowning                                      | 70  | 140.4         | (61.1, 259.5)       | 0.002582                 | (0.0011228, 0.0047715) | 119.8         | (57.0, 223.1)       | 0.001576                 | (0.0007507, 0.0029361) |
| Sulawesi Selatan | Falls                                         | 70  | 628.9         | (381.8, 968.7)      | 0.011566                 | (0.0070209, 0.0178138) | 550.0         | (373.7, 780.3)      | 0.007238                 | (0.0049187, 0.0102699) |
| Sulawesi Selatan | Interpersonal violence                        | 70  | 31.0          | (13.2, 62.7)        | 0.000571                 | (0.0002431, 0.0011538) | 20.3          | (8.5, 43.4)         | 0.000267                 | (0.0001116, 0.0005712) |
| Sulawesi Selatan | Self-harm                                     | 70  | 151.7         | (80.2, 260.5)       | 0.002790                 | (0.0014749, 0.0047908) | 73.3          | (36.9, 137.6)       | 0.000965                 | (0.0004856, 0.0018112) |
| Sulawesi Selatan | Transport injuries                            | 70  | 1,044.5       | (684.7, 1,498.3)    | 0.019208                 | (0.0125917, 0.0275531) | 541.5         | (369.1, 741.6)      | 0.007127                 | (0.0048584, 0.0097605) |
| Sulawesi Selatan | Other unintentional injuries                  | 70  | 326.2         | (196.2, 490.5)      | 0.005998                 | (0.0036075, 0.0090206) | 172.2         | (109.7, 260.3)      | 0.002266                 | (0.0014442, 0.0034260) |
| Sulawesi Selatan | Diarrheal diseases                            | 75  | 1,533.5       | (1,070.1, 2,062.9)  | 0.050989                 | (0.0355836, 0.0685949) | 2,556.2       | (2,053.7, 3,073.8)  | 0.057404                 | (0.0461188, 0.0690257) |
| Sulawesi Selatan | HIV/AIDS                                      | 75  | 7.5           | (2.5, 18.1)         | 0.000248                 | (0.0000818, 0.0006030) | 9.4           | (3.4, 21.2)         | 0.000210                 | (0.0000772, 0.0004758) |
| Sulawesi Selatan | Lower respiratory infections                  | 75  | 1,172.5       | (793.0, 1,629.6)    | 0.038987                 | (0.0263667, 0.0541872) | 1,608.4       | (1,254.2, 2,004.0)  | 0.036119                 | (0.0281654, 0.0450024) |
| Sulawesi Selatan | Malaria                                       | 75  | 97.1          | (42.6, 189.6)       | 0.003229                 | (0.0014160, 0.0063041) | 76.7          | (32.3, 153.9)       | 0.001723                 | (0.0007261, 0.0034557) |
| Sulawesi Selatan | Tuberculosis                                  | 75  | 2,115.3       | (1,477.2, 2,857.5)  | 0.070336                 | (0.0491172, 0.0950149) | 1,860.1       | (1,480.4, 2,286.2)  | 0.041771                 | (0.0332442, 0.0513408) |
| Sulawesi Selatan | Other communicable diseases                   | 75  | 812.5         | (535.2, 1,172.8)    | 0.027015                 | (0.0177947, 0.0389961) | 1,062.5       | (790.3, 1,382.2)    | 0.023859                 | (0.0177483, 0.0310389) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer           | 75  | 233.3         | (130.8, 390.9)      | 0.007758                 | (0.0043491, 0.0129966) | 87.2          | (48.3, 145.9)       | 0.001957                 | (0.0010852, 0.0032754) |
| Sulawesi Selatan | Breast cancer                                 | 75  | 6.3           | (2.0, 15.5)         | 0.000210                 | (0.0000651, 0.0005163) | 292.9         | (189.0, 437.4)      | 0.006579                 | (0.0042443, 0.0098213) |
| Sulawesi Selatan | Cervical cancer                               | 75  |               |                     |                          |                        | 86.9          | (41.4, 156.0)       | 0.001952                 | (0.0009293, 0.0035024) |
| Sulawesi Selatan | Other malignant neoplasms                     | 75  | 514.3         | (357.0, 699.9)      | 0.017101                 | (0.0118712, 0.0232720) | 834.4         | (623.6, 1,057.9)    | 0.018738                 | (0.0140040, 0.0237567) |
| Sulawesi Selatan | Cerebrovascular disease                       | 75  | 4,582.6       | (3,270.6, 5,976.6)  | 0.152376                 | (0.1087514, 0.1987301) | 7,596.2       | (6,469.4, 8,864.9)  | 0.170584                 | (0.1452799, 0.1990755) |
| Sulawesi Selatan | Ischemic heart disease                        | 75  | 5,522.3       | (3,954.5, 7,222.1)  | 0.183624                 | (0.1314931, 0.2401445) | 6,193.2       | (5,198.9, 7,223.4)  | 0.139077                 | (0.1167492, 0.1622120) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases | 75  | 1,000.8       | (668.8, 1,438.8)    | 0.033277                 | (0.0222399, 0.0478430) | 1,801.5       | (1,355.0, 2,312.0)  | 0.040455                 | (0.0304282, 0.0519198) |
| Sulawesi Selatan | Diabetes mellitus                             | 75  | 851.8         | (572.3, 1,186.1)    | 0.028325                 | (0.0190294, 0.0394377) | 1,877.6       | (1,470.1, 2,331.8)  | 0.042165                 | (0.0330135, 0.0523646) |
| Sulawesi Selatan | Chronic kidney disease                        | 75  | 488.5         | (328.7, 674.5)      | 0.016243                 | (0.0109287, 0.0224274) | 578.3         | (427.7, 753.2)      | 0.012986                 | (0.0096046, 0.0169144) |
| Sulawesi Selatan | Cirrhosis                                     | 75  | 821.4         | (555.2, 1,158.4)    | 0.027311                 | (0.0184621, 0.0385177) | 875.0         | (667.0, 1,120.2)    | 0.019650                 | (0.0149781, 0.0251558) |
| Sulawesi Selatan | Chronic respiratory diseases                  | 75  | 3,889.2       | (2,790.3, 5,148.2)  | 0.129321                 | (0.0927802, 0.1711843) | 3,612.8       | (2,975.2, 4,335.7)  | 0.081130                 | (0.0668129, 0.0973652) |
| Sulawesi Selatan | Other non-communicable diseases               | 75  | 2,854.4       | (2,022.2, 3,775.4)  | 0.094913                 | (0.0672394, 0.1255376) | 4,406.8       | (3,667.9, 5,216.9)  | 0.098961                 | (0.0823675, 0.1171535) |
| Sulawesi Selatan | Drowning                                      | 75  | 128.8         | (58.0, 246.4)       | 0.004283                 | (0.0019271, 0.0081937) | 112.9         | (57.2, 205.4)       | 0.002536                 | (0.0012846, 0.0046120) |
| Sulawesi Selatan | Falls                                         | 75  | 478.4         | (283.3, 720.3)      | 0.015908                 | (0.0094204, 0.0239517) | 450.0         | (307.7, 612.5)      | 0.010106                 | (0.0069102, 0.0137540) |
| Sulawesi Selatan | Interpersonal violence                        | 75  | 13.7          | (4.5, 34.8)         | 0.000455                 | (0.0001491, 0.0011581) | 10.7          | (3.6, 27.3)         | 0.000241                 | (0.0000812, 0.0006121) |
| Sulawesi Selatan | Self-harm                                     | 75  | 79.8          | (38.1, 143.9)       | 0.002654                 | (0.0012682, 0.0047855) | 47.3          | (23.1, 87.6)        | 0.001063                 | (0.0005177, 0.0019678) |
| Sulawesi Selatan | Transport injuries                            | 75  | 480.0         | (287.2, 726.7)      | 0.015961                 | (0.0095495, 0.0241648) | 275.3         | (172.5, 401.8)      | 0.006182                 | (0.0038746, 0.0090229) |
| Sulawesi Selatan | Other unintentional injuries                  | 75  | 187.0         | (105.5, 304.2)      | 0.006218                 | (0.0035067, 0.0101161) | 113.1         | (70.4, 173.4)       | 0.002539                 | (0.0015806, 0.0038934) |
| Sulawesi Selatan | Diarrheal diseases                            | 80  | 3,394.6       | (2,626.7, 4,241.5)  | 0.127042                 | (0.0983060, 0.1587398) | 6,338.6       | (5,336.4, 7,315.9)  | 0.140375                 | (0.1181787, 0.1620177) |

Aim 2 Supplementary Tables

| Location         | Cause group                                              | Age | Males                          |                                 | Females                       |                                 |
|------------------|----------------------------------------------------------|-----|--------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                  |                                                          |     | YLLs (95% UI)                  | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sulawesi Selatan | HIV/AIDS                                                 | 80  | 10.0 (2.7, 26.8)               | 0.000374 (0.0001018, 0.0010040) | 15.8 (4.6, 41.2)              | 0.000351 (0.0001016, 0.0009132) |
| Sulawesi Selatan | Lower respiratory infections                             | 80  | 1,810.2 (1,350.3, 2,384.1)     | 0.067748 (0.0505345, 0.0892271) | 2,926.2 (2,316.5, 3,598.7)    | 0.064803 (0.0513003, 0.0796965) |
| Sulawesi Selatan | Malaria                                                  | 80  | 134.8 (53.6, 274.7)            | 0.005043 (0.0020046, 0.0102825) | 143.5 (55.6, 291.9)           | 0.003177 (0.0012315, 0.0064636) |
| Sulawesi Selatan | Tuberculosis                                             | 80  | 2,452.2 (1,867.0, 3,105.8)     | 0.091775 (0.0698735, 0.1162356) | 3,112.7 (2,540.9, 3,731.9)    | 0.068934 (0.0562702, 0.0826469) |
| Sulawesi Selatan | Other communicable diseases                              | 80  | 1,245.2 (883.8, 1,677.2)       | 0.046602 (0.0330745, 0.0627692) | 1,738.1 (1,300.0, 2,267.6)    | 0.038492 (0.0287902, 0.0502190) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer                      | 80  | 217.9 (123.1, 358.0)           | 0.008154 (0.0046067, 0.0133976) | 119.0 (62.0, 208.0)           | 0.002635 (0.0013738, 0.0046065) |
| Sulawesi Selatan | Breast cancer                                            | 80  | 5.7 (1.6, 15.2)                | 0.000214 (0.0000603, 0.0005677) | 337.7 (196.0, 545.6)          | 0.007479 (0.0043396, 0.0120822) |
| Sulawesi Selatan | Cervical cancer                                          | 80  |                                |                                 | 76.9 (30.6, 160.6)            | 0.001703 (0.0006785, 0.0035572) |
| Sulawesi Selatan | Other malignant neoplasms                                | 80  | 523.3 (379.6, 705.5)           | 0.019585 (0.0142064, 0.0264031) | 1,106.7 (831.9, 1,441.3)      | 0.024510 (0.0184226, 0.0319179) |
| Sulawesi Selatan | Cerebrovascular disease                                  | 80  | 5,873.3 (4,626.5, 7,150.6)     | 0.219808 (0.1731474, 0.2676110) | 12,286.8 (10,778.6, 13,889.6) | 0.272104 (0.2387019, 0.3075978) |
| Sulawesi Selatan | Ischemic heart disease                                   | 80  | 6,345.9 (4,980.9, 7,768.1)     | 0.237498 (0.1864126, 0.2907209) | 10,030.0 (8,680.6, 11,482.0)  | 0.222124 (0.1922394, 0.2542807) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | 80  | 1,185.3 (835.5, 1,634.2)       | 0.044361 (0.0312701, 0.0611589) | 2,769.7 (2,143.0, 3,527.7)    | 0.061337 (0.0474598, 0.0781244) |
| Sulawesi Selatan | Diabetes mellitus                                        | 80  | 845.8 (616.4, 1,120.1)         | 0.031654 (0.0230693, 0.0419188) | 2,522.0 (2,003.6, 3,106.7)    | 0.055852 (0.0443711, 0.0688015) |
| Sulawesi Selatan | Chronic kidney disease                                   | 80  | 496.2 (350.2, 668.3)           | 0.018571 (0.0131079, 0.0250125) | 825.3 (604.1, 1,063.5)        | 0.018278 (0.0133788, 0.0235530) |
| Sulawesi Selatan | Cirrhosis                                                | 80  | 890.0 (641.9, 1,189.6)         | 0.033308 (0.0240221, 0.0445196) | 1,158.9 (872.5, 1,454.0)      | 0.025664 (0.0193219, 0.0322003) |
| Sulawesi Selatan | Chronic respiratory diseases                             | 80  | 4,893.9 (3,860.5, 5,989.8)     | 0.183156 (0.1444812, 0.2241680) | 5,945.9 (5,020.3, 6,903.7)    | 0.131678 (0.1111802, 0.1528879) |
| Sulawesi Selatan | Other non-communicable diseases                          | 80  | 4,008.8 (3,103.3, 4,980.7)     | 0.150029 (0.1161416, 0.1864031) | 7,892.6 (6,750.8, 9,160.0)    | 0.174788 (0.1495025, 0.2028577) |
| Sulawesi Selatan | Drowning                                                 | 80  | 171.3 (75.5, 347.3)            | 0.006409 (0.0028253, 0.0129981) | 139.0 (58.9, 263.0)           | 0.003078 (0.0013034, 0.0058247) |
| Sulawesi Selatan | Falls                                                    | 80  | 813.6 (532.0, 1,182.0)         | 0.030447 (0.0199118, 0.0442366) | 790.6 (565.0, 1,089.2)        | 0.017509 (0.0125134, 0.0241206) |
| Sulawesi Selatan | Interpersonal violence                                   | 80  | 12.6 (2.7, 34.3)               | 0.000472 (0.0001025, 0.0012834) | 13.9 (3.0, 40.4)              | 0.000309 (0.0000675, 0.0008955) |
| Sulawesi Selatan | Self-harm                                                | 80  | 86.6 (37.9, 159.3)             | 0.003241 (0.0014168, 0.0059622) | 76.5 (32.7, 143.7)            | 0.001694 (0.0007239, 0.0031829) |
| Sulawesi Selatan | Transport injuries                                       | 80  | 522.8 (321.3, 767.6)           | 0.019566 (0.0120238, 0.0287276) | 337.1 (206.6, 523.2)          | 0.007466 (0.0045760, 0.0115857) |
| Sulawesi Selatan | Other unintentional injuries                             | 80  | 216.5 (120.0, 355.4)           | 0.008104 (0.0044897, 0.0133025) | 160.9 (92.7, 260.5)           | 0.003563 (0.0020527, 0.0057690) |
| Sulawesi Selatan | Diarrheal diseases                                       | All | 28,568.6 (21,249.2, 37,380.6)  | 0.006780 (0.0050428, 0.0088710) | 34,126.8 (26,875.7, 42,420.1) | 0.007721 (0.0060806, 0.0095975) |
| Sulawesi Selatan | HIV/AIDS                                                 | All | 4,373.9 (2,218.6, 8,028.2)     | 0.001038 (0.0005265, 0.0019052) | 2,666.2 (1,363.4, 4,728.1)    | 0.000603 (0.0003085, 0.0010697) |
| Sulawesi Selatan | Lower respiratory infections                             | All | 58,157.0 (40,291.1, 81,644.8)  | 0.013802 (0.0095617, 0.0193756) | 42,907.7 (30,846.0, 57,803.2) | 0.009708 (0.0069789, 0.0130779) |
| Sulawesi Selatan | Malaria                                                  | All | 4,164.5 (2,167.9, 7,157.5)     | 0.000988 (0.0005145, 0.0016986) | 2,609.8 (1,362.3, 4,576.7)    | 0.000591 (0.0003082, 0.0010355) |
| Sulawesi Selatan | Tuberculosis                                             | All | 73,127.5 (58,859.8, 91,747.1)  | 0.017354 (0.0139684, 0.0217731) | 43,169.1 (35,528.6, 52,991.5) | 0.009767 (0.0080383, 0.0119893) |
| Sulawesi Selatan | Maternal disorders                                       | All |                                |                                 | 6,087.6 (4,371.7, 8,074.3)    | 0.001377 (0.0009891, 0.0018268) |
| Sulawesi Selatan | Neonatal encephalopathy due to birth asphyxia and trauma | All | 50,072.3 (24,167.0, 83,207.0)  | 0.011883 (0.0057352, 0.0197464) | 34,862.2 (16,448.9, 60,270.6) | 0.007888 (0.0037216, 0.0136362) |
| Sulawesi Selatan | Preterm birth complications                              | All | 31,522.8 (14,185.0, 54,702.0)  | 0.007481 (0.0033663, 0.0129817) | 29,184.4 (13,699.2, 53,654.5) | 0.006603 (0.0030994, 0.0121393) |
| Sulawesi Selatan | Other neonatal disorders                                 | All | 35,795.9 (15,514.3, 63,354.0)  | 0.008495 (0.0036818, 0.0150349) | 24,058.5 (10,454.6, 44,844.5) | 0.005443 (0.0023653, 0.0101460) |
| Sulawesi Selatan | Other communicable diseases                              | All | 67,953.5 (52,730.5, 87,454.1)  | 0.016127 (0.0125138, 0.0207543) | 48,804.6 (38,250.1, 62,629.9) | 0.011042 (0.0086541, 0.0141700) |
| Sulawesi Selatan | Tracheal, bronchus, and lung cancer                      | All | 8,048.6 (5,112.6, 12,045.2)    | 0.001910 (0.0012133, 0.0028585) | 2,951.2 (1,772.0, 4,523.1)    | 0.000668 (0.0004009, 0.0010233) |
| Sulawesi Selatan | Breast cancer                                            | All | 473.3 (242.5, 847.0)           | 0.000112 (0.0000576, 0.0002010) | 23,419.1 (17,449.3, 30,592.9) | 0.005299 (0.0039479, 0.0069216) |
| Sulawesi Selatan | Cervical cancer                                          | All |                                |                                 | 7,227.3 (4,142.7, 10,969.6)   | 0.001635 (0.0009373, 0.0024819) |
| Sulawesi Selatan | Other malignant neoplasms                                | All | 36,733.5 (29,067.5, 47,025.9)  | 0.008717 (0.0068982, 0.0111600) | 27,989.2 (21,636.1, 34,831.5) | 0.006333 (0.0048952, 0.0078806) |
| Sulawesi Selatan | Cerebrovascular disease                                  | All | 65,442.5 (50,626.0, 82,222.9)  | 0.015531 (0.0120144, 0.0195128) | 77,145.8 (64,755.4, 92,100.4) | 0.017454 (0.0146509, 0.0208377) |
| Sulawesi Selatan | Ischemic heart disease                                   | All | 96,672.9 (75,546.6, 122,457.6) | 0.022942 (0.0179284, 0.0290612) | 70,850.7 (58,340.4, 84,650.0) | 0.016030 (0.0131995, 0.0191520) |
| Sulawesi Selatan | Other cardiovascular and circulatory diseases            | All | 14,376.9 (10,327.8, 19,784.1)  | 0.003412 (0.0024510, 0.0046951) | 19,183.9 (14,497.2, 25,056.0) | 0.004340 (0.0032800, 0.0056689) |
| Sulawesi Selatan | Diabetes mellitus                                        | All | 26,651.6 (19,855.9, 35,061.2)  | 0.006325 (0.0047121, 0.0083206) | 37,675.9 (29,719.1, 47,095.1) | 0.008524 (0.0067239, 0.0106552) |
| Sulawesi Selatan | Chronic kidney disease                                   | All | 17,814.4 (13,120.2, 23,263.9)  | 0.004228 (0.0031136, 0.0055209) | 14,169.0 (10,487.5, 18,253.9) | 0.003206 (0.0023728, 0.0041299) |
| Sulawesi Selatan | Cirrhosis                                                | All | 35,426.6 (27,334.6, 46,367.1)  | 0.008407 (0.0064869, 0.0110037) | 21,732.3 (16,645.7, 27,672.9) | 0.004917 (0.0037661, 0.0062610) |
| Sulawesi Selatan | Chronic respiratory diseases                             | All | 56,188.6 (43,534.0, 71,787.7)  | 0.013335 (0.0103313, 0.0170364) | 38,995.3 (31,865.7, 48,023.2) | 0.008823 (0.0072096, 0.0108652) |
| Sulawesi Selatan | Other non-communicable diseases                          | All | 74,197.3 (58,671.1, 92,850.7)  | 0.017608 (0.0139236, 0.0220350) | 76,637.7 (61,962.1, 93,043.5) | 0.017339 (0.0140189, 0.0210510) |
| Sulawesi Selatan | Drowning                                                 | All | 22,603.8 (16,651.3, 30,454.8)  | 0.005364 (0.0039516, 0.0072274) | 7,805.3 (5,207.2, 11,038.7)   | 0.001766 (0.0011781, 0.0024975) |
| Sulawesi Selatan | Falls                                                    | All | 12,682.2 (8,860.3, 18,001.9)   | 0.003010 (0.0021027, 0.0042721) | 6,848.2 (4,832.3, 9,372.4)    | 0.001549 (0.0010933, 0.0021205) |
| Sulawesi Selatan | Interpersonal violence                                   | All | 4,364.0 (2,917.2, 6,317.2)     | 0.001036 (0.0006923, 0.0014992) | 2,808.2 (1,791.4, 4,133.0)    | 0.000635 (0.0004053, 0.0009351) |
| Sulawesi Selatan | Self-harm                                                | All | 7,675.5 (4,875.3, 11,656.4)    | 0.001822 (0.0011570, 0.0027663) | 4,145.2 (2,582.4, 6,294.5)    | 0.000938 (0.0005843, 0.0014241) |
| Sulawesi Selatan | Transport injuries                                       | All | 80,732.0 (65,091.6, 101,593.4) | 0.019159 (0.0154473, 0.0241098) | 27,753.9 (22,531.9, 33,813.4) | 0.006279 (0.0050978, 0.0076503) |
| Sulawesi Selatan | Other unintentional injuries                             | All | 20,528.1 (14,863.7, 27,792.2)  | 0.004872 (0.0035274, 0.0065955) | 7,962.2 (5,737.6, 10,768.6)   | 0.001801 (0.0012981, 0.0024364) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males         |                     |                          |                         | Females       |                     |                          |                        |
|-------------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|-------------------------|---------------|---------------------|--------------------------|------------------------|
|                   |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Sulawesi Tenggara | Diarrheal diseases                                       | NN  | 714.5         | (219.0, 1,523.3)    | 0.307141                 | (0.0941185, 0.6547966)  | 564.7         | (186.7, 1,227.1)    | 0.249311                 | (0.0824016, 0.5417011) |
| Sulawesi Tenggara | Lower respiratory infections                             | NN  | 7,135.8       | (3,041.8, 12,677.0) | 3.067317                 | (1.3075290, 5.4492078)  | 4,229.8       | (1,820.6, 8,334.0)  | 1.867298                 | (0.8037064, 3.6791439) |
| Sulawesi Tenggara | Malaria                                                  | NN  | 38.2          | (1.7, 205.4)        | 0.016439                 | (0.0007200, 0.0883124)  | 21.8          | (0.9, 109.0)        | 0.009607                 | (0.0003818, 0.0481139) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 18,785.2      | (8,661.6, 31,961.9) | 8.074863                 | (3.7232010, 13.7388802) | 12,421.2      | (5,727.8, 22,105.3) | 5.483487                 | (2.5286000, 9.7586689) |
| Sulawesi Tenggara | Preterm birth complications                              | NN  | 10,362.6      | (4,044.5, 19,568.1) | 4.454392                 | (1.7385230, 8.4113674)  | 9,113.0       | (3,670.0, 17,351.2) | 4.023070                 | (1.6201530, 7.6599140) |
| Sulawesi Tenggara | Other neonatal disorders                                 | NN  | 14,344.2      | (5,241.7, 27,450.8) | 6.165870                 | (2.2531691, 11.7997799) | 9,250.4       | (3,425.4, 18,152.7) | 4.083692                 | (1.5122080, 8.0137329) |
| Sulawesi Tenggara | Other communicable diseases                              | NN  | 588.1         | (181.5, 1,296.2)    | 0.252783                 | (0.0780198, 0.5571801)  | 326.9         | (98.6, 784.7)       | 0.144320                 | (0.0435159, 0.3463975) |
| Sulawesi Tenggara | Other malignant neoplasms                                | NN  | 480.0         | (128.5, 1,144.8)    | 0.206338                 | (0.0552546, 0.4921033)  | 360.7         | (99.8, 919.6)       | 0.159225                 | (0.0440738, 0.4059893) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | NN  | 101.2         | (22.5, 264.7)       | 0.043512                 | (0.0096621, 0.1137624)  | 101.1         | (21.5, 276.1)       | 0.044634                 | (0.0094999, 0.1218677) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | NN  | 84.9          | (15.4, 255.6)       | 0.036499                 | (0.0066005, 0.1098762)  | 79.5          | (13.8, 259.8)       | 0.035076                 | (0.0061064, 0.1147114) |
| Sulawesi Tenggara | Diabetes mellitus                                        | NN  | 54.5          | (0.3, 436.8)        | 0.023436                 | (0.0001290, 0.1877716)  | 49.0          | (0.3, 332.3)        | 0.021632                 | (0.0001137, 0.1466790) |
| Sulawesi Tenggara | Other non-communicable diseases                          | NN  | 7,843.8       | (3,637.4, 13,486.9) | 3.371673                 | (1.5635440, 5.7973738)  | 6,732.2       | (3,346.8, 11,789.5) | 2.972022                 | (1.4774981, 5.2046452) |
| Sulawesi Tenggara | Drowning                                                 | NN  | 693.2         | (162.1, 1,778.3)    | 0.297984                 | (0.0696974, 0.7643983)  | 161.4         | (31.9, 467.8)       | 0.071237                 | (0.0140862, 0.2065239) |
| Sulawesi Tenggara | Falls                                                    | NN  | 239.6         | (57.4, 602.3)       | 0.103005                 | (0.0246549, 0.2588978)  | 75.9          | (16.3, 213.9)       | 0.033503                 | (0.0071778, 0.0944482) |
| Sulawesi Tenggara | Interpersonal violence                                   | NN  | 169.2         | (43.4, 454.2)       | 0.072744                 | (0.0186639, 0.1952401)  | 91.4          | (20.2, 261.1)       | 0.040331                 | (0.0089183, 0.1152649) |
| Sulawesi Tenggara | Transport injuries                                       | NN  | 478.1         | (119.0, 1,187.2)    | 0.205503                 | (0.0511389, 0.5103233)  | 111.8         | (25.7, 295.3)       | 0.049373                 | (0.0113364, 0.1303496) |
| Sulawesi Tenggara | Other unintentional injuries                             | NN  | 1,162.5       | (361.2, 2,656.6)    | 0.499703                 | (0.1552465, 1.1419240)  | 358.6         | (114.1, 936.5)      | 0.158300                 | (0.0503654, 0.4134102) |
| Sulawesi Tenggara | Diarrheal diseases                                       | PNN | 282.0         | (116.1, 523.6)      | 0.009710                 | (0.0039974, 0.0180339)  | 304.2         | (132.5, 556.5)      | 0.010760                 | (0.0046854, 0.0196821) |
| Sulawesi Tenggara | HIV/AIDS                                                 | PNN | 21.0          | (4.3, 60.6)         | 0.000724                 | (0.0001488, 0.0020861)  | 16.5          | (3.1, 50.3)         | 0.000583                 | (0.0001103, 0.0017798) |
| Sulawesi Tenggara | Lower respiratory infections                             | PNN | 195.6         | (87.4, 356.0)       | 0.006736                 | (0.0030104, 0.0122619)  | 151.8         | (66.4, 296.3)       | 0.005370                 | (0.0023478, 0.0104810) |
| Sulawesi Tenggara | Malaria                                                  | PNN | 14.3          | (0.7, 69.1)         | 0.000494                 | (0.0000246, 0.0023809)  | 11.1          | (0.5, 53.8)         | 0.000394                 | (0.0000194, 0.0019018) |
| Sulawesi Tenggara | Tuberculosis                                             | PNN | 44.0          | (13.6, 103.4)       | 0.001516                 | (0.0004680, 0.0035601)  | 36.2          | (10.4, 87.5)        | 0.001279                 | (0.0003661, 0.0030955) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 19.8          | (5.5, 47.9)         | 0.000683                 | (0.0001904, 0.0016504)  | 16.3          | (4.1, 44.0)         | 0.000577                 | (0.0001452, 0.0015547) |
| Sulawesi Tenggara | Preterm birth complications                              | PNN | 23.4          | (6.5, 56.5)         | 0.000806                 | (0.0002255, 0.0019465)  | 28.8          | (8.2, 68.5)         | 0.001017                 | (0.0002883, 0.0024241) |
| Sulawesi Tenggara | Other neonatal disorders                                 | PNN | 64.1          | (14.2, 160.6)       | 0.002208                 | (0.0004884, 0.0055326)  | 51.9          | (11.2, 144.7)       | 0.001836                 | (0.0003948, 0.0051163) |
| Sulawesi Tenggara | Other communicable diseases                              | PNN | 257.6         | (104.8, 465.1)      | 0.008870                 | (0.0036101, 0.0160163)  | 196.3         | (76.7, 383.4)       | 0.006942                 | (0.0027124, 0.0135604) |
| Sulawesi Tenggara | Other malignant neoplasms                                | PNN | 8.1           | (2.3, 20.0)         | 0.000279                 | (0.0000782, 0.0006875)  | 7.8           | (2.2, 19.2)         | 0.000276                 | (0.0000778, 0.0006775) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | PNN | 1.7           | (0.4, 4.6)          | 0.000060                 | (0.0000138, 0.0001593)  | 2.2           | (0.5, 5.6)          | 0.000078                 | (0.0000175, 0.0001991) |
| Sulawesi Tenggara | Ischemic heart disease                                   | PNN | 0.7           | (0.0, 3.5)          | 0.000025                 | (0.0000014, 0.0001203)  | 0.9           | (0.1, 4.8)          | 0.000034                 | (0.0000018, 0.0001684) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | PNN | 1.4           | (0.3, 4.5)          | 0.000050                 | (0.0000104, 0.0001535)  | 1.7           | (0.3, 5.2)          | 0.000061                 | (0.0000115, 0.0001856) |
| Sulawesi Tenggara | Diabetes mellitus                                        | PNN | 0.9           | (0.0, 7.4)          | 0.000032                 | (0.0000002, 0.0002561)  | 1.1           | (0.0, 7.4)          | 0.000039                 | (0.0000002, 0.0002627) |
| Sulawesi Tenggara | Chronic kidney disease                                   | PNN | 9.0           | (3.1, 19.3)         | 0.000309                 | (0.0001057, 0.0006637)  | 9.2           | (3.2, 20.8)         | 0.000326                 | (0.0001136, 0.0007358) |
| Sulawesi Tenggara | Other non-communicable diseases                          | PNN | 132.0         | (63.5, 229.1)       | 0.004545                 | (0.0021855, 0.0078898)  | 145.4         | (69.2, 265.9)       | 0.005143                 | (0.0024488, 0.0094044) |
| Sulawesi Tenggara | Drowning                                                 | PNN | 14.3          | (3.6, 36.8)         | 0.000494                 | (0.0001233, 0.0012677)  | 4.3           | (0.9, 11.8)         | 0.000152                 | (0.0000317, 0.0004187) |
| Sulawesi Tenggara | Falls                                                    | PNN | 4.8           | (1.2, 11.9)         | 0.000164                 | (0.0000410, 0.0004088)  | 1.9           | (0.4, 5.3)          | 0.000068                 | (0.0000153, 0.0001870) |
| Sulawesi Tenggara | Interpersonal violence                                   | PNN | 3.3           | (0.9, 8.1)          | 0.000113                 | (0.0000300, 0.0002782)  | 2.3           | (0.6, 6.2)          | 0.000080                 | (0.0000197, 0.0002182) |
| Sulawesi Tenggara | Transport injuries                                       | PNN | 9.8           | (2.8, 25.3)         | 0.000338                 | (0.0000948, 0.0008727)  | 2.9           | (0.7, 7.6)          | 0.000104                 | (0.0000263, 0.0002694) |
| Sulawesi Tenggara | Other unintentional injuries                             | PNN | 22.7          | (7.7, 50.1)         | 0.000783                 | (0.0002668, 0.0017268)  | 9.0           | (2.8, 21.5)         | 0.000318                 | (0.0000988, 0.0007608) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 1   | 2,428.4       | (760.2, 5,404.2)    | 0.020132                 | (0.0063024, 0.0448017)  | 2,727.3       | (946.9, 5,854.5)    | 0.023231                 | (0.0080655, 0.0498683) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 1   | 384.6         | (61.5, 1,127.6)     | 0.003188                 | (0.0005102, 0.0093483)  | 319.3         | (52.0, 940.7)       | 0.002720                 | (0.0004427, 0.0080133) |
| Sulawesi Tenggara | Lower respiratory infections                             | 1   | 3,547.3       | (1,278.8, 7,629.9)  | 0.029408                 | (0.0106018, 0.0632533)  | 2,906.7       | (1,080.8, 6,002.3)  | 0.024759                 | (0.0092061, 0.0511277) |
| Sulawesi Tenggara | Malaria                                                  | 1   | 105.4         | (4.3, 536.9)        | 0.000874                 | (0.0000360, 0.0044513)  | 85.0          | (3.6, 420.5)        | 0.000724                 | (0.0000306, 0.0035818) |
| Sulawesi Tenggara | Tuberculosis                                             | 1   | 847.4         | (218.6, 2,168.9)    | 0.007025                 | (0.0018125, 0.0179803)  | 735.0         | (209.2, 1,831.3)    | 0.006261                 | (0.0017823, 0.0155994) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 192.1         | (40.3, 569.8)       | 0.001592                 | (0.0003338, 0.0047238)  | 153.6         | (37.1, 424.4)       | 0.001308                 | (0.0003164, 0.0036152) |
| Sulawesi Tenggara | Preterm birth complications                              | 1   | 43.3          | (5.3, 158.9)        | 0.000359                 | (0.0000441, 0.0013175)  | 52.3          | (6.9, 186.4)        | 0.000445                 | (0.0000585, 0.0015877) |
| Sulawesi Tenggara | Other neonatal disorders                                 | 1   | 88.4          | (0.6, 555.0)        | 0.000733                 | (0.0000053, 0.0046012)  | 69.0          | (0.5, 445.7)        | 0.000588                 | (0.0000046, 0.0037962) |
| Sulawesi Tenggara | Other communicable diseases                              | 1   | 4,828.3       | (1,716.3, 9,663.4)  | 0.040028                 | (0.0142287, 0.0801119)  | 3,902.1       | (1,584.6, 7,774.8)  | 0.033238                 | (0.0134976, 0.0662259) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 1   | 96.4          | (26.0, 256.7)       | 0.000799                 | (0.0002154, 0.0021282)  | 108.4         | (28.5, 300.0)       | 0.000924                 | (0.0002425, 0.0025557) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 1   | 23.0          | (4.6, 68.6)         | 0.000191                 | (0.0000383, 0.0005689)  | 33.9          | (6.8, 97.9)         | 0.000289                 | (0.0000576, 0.0008341) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Ischemic heart disease                        | 1   | 9.2 (0.5, 42.6)            | 0.000076 (0.0000044, 0.0003531) | 14.0 (0.8, 62.3)           | 0.000120 (0.0000066, 0.0005307) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 1   | 17.8 (2.7, 54.6)           | 0.000148 (0.0000222, 0.0004528) | 24.3 (4.0, 72.4)           | 0.000207 (0.0000341, 0.0006169) |
| Sulawesi Tenggara | Diabetes mellitus                             | 1   | 10.5 (0.1, 76.0)           | 0.000087 (0.0000005, 0.0006298) | 15.1 (0.1, 129.6)          | 0.000128 (0.0000007, 0.0011037) |
| Sulawesi Tenggara | Chronic kidney disease                        | 1   | 103.5 (27.8, 268.3)        | 0.000858 (0.0002308, 0.0022242) | 123.5 (36.0, 304.3)        | 0.001052 (0.0003064, 0.0025919) |
| Sulawesi Tenggara | Cirrhosis                                     | 1   | 180.1 (40.2, 514.7)        | 0.001493 (0.0003332, 0.0042666) | 109.0 (26.9, 323.5)        | 0.000928 (0.0002295, 0.0027555) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 1   | 386.9 (99.5, 939.8)        | 0.003207 (0.0008251, 0.0077908) | 192.4 (52.7, 486.1)        | 0.001639 (0.0004491, 0.0041406) |
| Sulawesi Tenggara | Other non-communicable diseases               | 1   | 1,589.0 (581.7, 3,237.4)   | 0.013173 (0.0048227, 0.0268389) | 2,031.8 (845.3, 3,986.8)   | 0.017307 (0.0071999, 0.0339597) |
| Sulawesi Tenggara | Drowning                                      | 1   | 753.0 (171.1, 2,099.1)     | 0.006242 (0.0014181, 0.0174021) | 251.2 (53.4, 671.8)        | 0.002140 (0.0004549, 0.0057220) |
| Sulawesi Tenggara | Falls                                         | 1   | 173.8 (36.7, 466.8)        | 0.001441 (0.0003040, 0.0038700) | 77.0 (17.1, 207.2)         | 0.000656 (0.0001460, 0.0017653) |
| Sulawesi Tenggara | Interpersonal violence                        | 1   | 99.6 (22.2, 282.7)         | 0.000826 (0.0001841, 0.0023434) | 75.0 (17.3, 200.4)         | 0.000639 (0.0001473, 0.0017070) |
| Sulawesi Tenggara | Transport injuries                            | 1   | 454.8 (108.4, 1,201.3)     | 0.003770 (0.0008990, 0.0099592) | 151.4 (36.7, 401.9)        | 0.001289 (0.0003126, 0.0034233) |
| Sulawesi Tenggara | Other unintentional injuries                  | 1   | 713.2 (197.8, 1,821.5)     | 0.005913 (0.0016396, 0.0151003) | 309.0 (89.6, 725.3)        | 0.002632 (0.0007631, 0.0061778) |
| Sulawesi Tenggara | Diarrheal diseases                            | 5   | 1,477.1 (793.7, 2,336.0)   | 0.009962 (0.0053529, 0.0157536) | 1,456.4 (815.5, 2,201.7)   | 0.010416 (0.0058320, 0.0157459) |
| Sulawesi Tenggara | HIV/AIDS                                      | 5   | 170.4 (29.8, 508.8)        | 0.001149 (0.0002010, 0.0034311) | 122.2 (21.9, 350.2)        | 0.000874 (0.0000563, 0.0025043) |
| Sulawesi Tenggara | Lower respiratory infections                  | 5   | 1,465.2 (788.9, 2,259.7)   | 0.009881 (0.0053202, 0.0152392) | 1,046.5 (567.0, 1,643.1)   | 0.007484 (0.0040550, 0.0117508) |
| Sulawesi Tenggara | Malaria                                       | 5   | 63.2 (3.2, 295.7)          | 0.000426 (0.0000218, 0.0019942) | 45.4 (2.4, 215.2)          | 0.000325 (0.0000174, 0.0015391) |
| Sulawesi Tenggara | Tuberculosis                                  | 5   | 499.8 (203.1, 1,008.1)     | 0.003370 (0.0013696, 0.0067987) | 376.6 (157.4, 755.0)       | 0.002694 (0.0011259, 0.0053994) |
| Sulawesi Tenggara | Other communicable diseases                   | 5   | 2,917.4 (1,916.9, 4,073.9) | 0.019675 (0.0129274, 0.0274735) | 2,064.0 (1,293.4, 2,898.2) | 0.014761 (0.0092499, 0.0207274) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 5   | 506.8 (228.8, 977.4)       | 0.003418 (0.0015426, 0.0065915) | 507.7 (231.3, 947.8)       | 0.003631 (0.0016542, 0.0067785) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 5   | 83.3 (33.3, 170.4)         | 0.000562 (0.0002247, 0.0011493) | 108.1 (47.3, 206.5)        | 0.000773 (0.0003384, 0.0014765) |
| Sulawesi Tenggara | Ischemic heart disease                        | 5   | 40.6 (12.3, 95.5)          | 0.000274 (0.0000832, 0.0006441) | 54.6 (18.2, 120.4)         | 0.000390 (0.0001304, 0.0008611) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 5   | 74.2 (20.7, 189.6)         | 0.000500 (0.0001395, 0.0012787) | 88.9 (27.4, 213.8)         | 0.000636 (0.0001961, 0.0015288) |
| Sulawesi Tenggara | Diabetes mellitus                             | 5   | 123.5 (37.4, 302.1)        | 0.000833 (0.0002521, 0.0020373) | 150.0 (51.6, 340.3)        | 0.001073 (0.0003689, 0.0024339) |
| Sulawesi Tenggara | Chronic kidney disease                        | 5   | 190.3 (86.4, 358.1)        | 0.001283 (0.0005824, 0.0024148) | 202.1 (97.8, 364.0)        | 0.001445 (0.0006997, 0.0026031) |
| Sulawesi Tenggara | Cirrhosis                                     | 5   | 422.3 (174.3, 829.4)       | 0.002848 (0.0011758, 0.0055935) | 228.8 (96.9, 428.2)        | 0.001636 (0.0006933, 0.0030621) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 5   | 269.7 (112.0, 519.2)       | 0.001819 (0.0007556, 0.0035016) | 118.0 (44.7, 241.7)        | 0.000844 (0.0003198, 0.0017287) |
| Sulawesi Tenggara | Other non-communicable diseases               | 5   | 1,266.3 (793.7, 1,849.2)   | 0.008540 (0.0053526, 0.0124708) | 1,442.0 (964.2, 2,021.9)   | 0.010313 (0.0068955, 0.0144605) |
| Sulawesi Tenggara | Drowning                                      | 5   | 2,381.2 (1,166.0, 3,854.3) | 0.016058 (0.0078631, 0.0259925) | 949.1 (393.5, 1,710.4)     | 0.006788 (0.0028140, 0.0122324) |
| Sulawesi Tenggara | Falls                                         | 5   | 303.1 (104.5, 604.7)       | 0.002044 (0.0007045, 0.0040780) | 147.2 (48.9, 311.0)        | 0.001053 (0.0003495, 0.0022242) |
| Sulawesi Tenggara | Interpersonal violence                        | 5   | 77.7 (28.1, 172.7)         | 0.000524 (0.0001893, 0.0011649) | 64.0 (21.9, 143.3)         | 0.000457 (0.0001563, 0.0010252) |
| Sulawesi Tenggara | Transport injuries                            | 5   | 1,495.8 (658.1, 2,682.5)   | 0.010087 (0.0044381, 0.0180905) | 575.0 (224.7, 1,130.8)     | 0.004112 (0.0016070, 0.0080870) |
| Sulawesi Tenggara | Other unintentional injuries                  | 5   | 646.4 (328.7, 1,180.4)     | 0.004360 (0.0022170, 0.0079606) | 308.5 (135.0, 570.1)       | 0.002207 (0.0009657, 0.0040773) |
| Sulawesi Tenggara | Diarrheal diseases                            | 10  | 571.6 (264.6, 970.9)       | 0.004216 (0.0019515, 0.0071607) | 543.6 (254.6, 898.0)       | 0.004265 (0.0019971, 0.0070446) |
| Sulawesi Tenggara | HIV/AIDS                                      | 10  | 121.1 (25.9, 334.3)        | 0.000894 (0.0001912, 0.0024656) | 84.4 (17.6, 233.3)         | 0.000662 (0.0001378, 0.0018303) |
| Sulawesi Tenggara | Lower respiratory infections                  | 10  | 670.2 (295.9, 1,177.4)     | 0.004943 (0.0021823, 0.0086838) | 446.1 (189.4, 780.1)       | 0.003500 (0.0014855, 0.0061200) |
| Sulawesi Tenggara | Malaria                                       | 10  | 94.3 (6.5, 409.9)          | 0.000695 (0.0000476, 0.0030230) | 66.9 (4.1, 275.9)          | 0.000525 (0.0000319, 0.0021648) |
| Sulawesi Tenggara | Tuberculosis                                  | 10  | 805.2 (375.0, 1,388.8)     | 0.005939 (0.0027656, 0.0102433) | 586.6 (294.8, 978.4)       | 0.004602 (0.0023131, 0.0076757) |
| Sulawesi Tenggara | Maternal disorders                            | 10  |                            |                                 | 25.8 (4.0, 72.9)           | 0.000202 (0.0000317, 0.0005717) |
| Sulawesi Tenggara | Other communicable diseases                   | 10  | 1,667.4 (1,035.8, 2,376.9) | 0.012298 (0.0076396, 0.0175313) | 1,105.0 (648.4, 1,610.5)   | 0.008669 (0.0050865, 0.0126346) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 10  | 572.9 (271.8, 1,026.2)     | 0.004225 (0.0020045, 0.0075689) | 580.3 (286.3, 994.6)       | 0.004552 (0.0022460, 0.0078029) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 10  | 108.7 (52.2, 204.5)        | 0.000802 (0.0003847, 0.0015080) | 131.1 (66.8, 225.3)        | 0.001029 (0.0005243, 0.0017672) |
| Sulawesi Tenggara | Ischemic heart disease                        | 10  | 80.2 (33.9, 158.1)         | 0.000592 (0.0002504, 0.0011662) | 99.4 (45.1, 184.6)         | 0.000780 (0.0003538, 0.0014484) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 10  | 88.4 (33.4, 198.5)         | 0.000652 (0.0002460, 0.0014639) | 101.8 (38.9, 207.6)        | 0.000799 (0.0003051, 0.0016285) |
| Sulawesi Tenggara | Diabetes mellitus                             | 10  | 137.8 (57.9, 271.3)        | 0.001016 (0.0004267, 0.0020009) | 163.0 (76.0, 308.4)        | 0.001279 (0.0005965, 0.0024194) |
| Sulawesi Tenggara | Chronic kidney disease                        | 10  | 210.6 (111.6, 338.8)       | 0.001554 (0.0008235, 0.0024991) | 219.1 (123.3, 351.9)       | 0.001719 (0.0009673, 0.0027608) |
| Sulawesi Tenggara | Cirrhosis                                     | 10  | 380.1 (174.7, 694.6)       | 0.002803 (0.0012882, 0.0051231) | 195.9 (95.7, 342.8)        | 0.001537 (0.0007508, 0.0026892) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 10  | 366.8 (181.4, 637.8)       | 0.002705 (0.0013382, 0.0047038) | 165.2 (72.3, 315.5)        | 0.001296 (0.0005674, 0.0024748) |
| Sulawesi Tenggara | Other non-communicable diseases               | 10  | 1,177.3 (791.4, 1,677.9)   | 0.008683 (0.0058374, 0.0123756) | 1,257.6 (892.7, 1,722.1)   | 0.009866 (0.0070036, 0.0135102) |
| Sulawesi Tenggara | Drowning                                      | 10  | 1,053.6 (417.2, 1,915.9)   | 0.007771 (0.0030768, 0.0141312) | 345.7 (111.4, 729.4)       | 0.002712 (0.0008743, 0.0057226) |
| Sulawesi Tenggara | Falls                                         | 10  | 217.0 (78.3, 446.8)        | 0.001601 (0.0005772, 0.0032957) | 91.9 (30.1, 190.5)         | 0.000721 (0.0002361, 0.0014941) |
| Sulawesi Tenggara | Interpersonal violence                        | 10  | 100.8 (48.6, 191.1)        | 0.000743 (0.0003583, 0.0014097) | 76.7 (33.9, 144.1)         | 0.000602 (0.0002663, 0.0011307) |
| Sulawesi Tenggara | Self-harm                                     | 10  | 160.4 (62.9, 324.9)        | 0.001183 (0.0004636, 0.0023963) | 105.4 (37.9, 216.9)        | 0.000827 (0.0002970, 0.0017020) |



Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|-------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                   |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sulawesi Tenggara | Transport injuries                            | 10  | 1,802.7       | (1,038.2, 2,755.3) | 0.013296                 | (0.0076577, 0.0203220) | 645.2         | (323.7, 1,093.8)   | 0.005062                 | (0.0025396, 0.0085813) |
| Sulawesi Tenggara | Other unintentional injuries                  | 10  | 528.2         | (282.1, 873.3)     | 0.003896                 | (0.0020809, 0.0064410) | 226.9         | (103.5, 404.2)     | 0.001780                 | (0.0008117, 0.0031711) |
| Sulawesi Tenggara | Diarrheal diseases                            | 15  | 269.2         | (96.9, 542.2)      | 0.002338                 | (0.0008414, 0.0047074) | 265.7         | (95.5, 518.4)      | 0.002265                 | (0.0008141, 0.0044196) |
| Sulawesi Tenggara | HIV/AIDS                                      | 15  | 91.5          | (16.2, 273.0)      | 0.000795                 | (0.0001406, 0.0023702) | 68.5          | (11.7, 208.6)      | 0.000584                 | (0.0000998, 0.0017781) |
| Sulawesi Tenggara | Lower respiratory infections                  | 15  | 278.3         | (95.6, 563.6)      | 0.002416                 | (0.0008300, 0.0048938) | 172.3         | (57.9, 372.2)      | 0.001469                 | (0.0004933, 0.0031733) |
| Sulawesi Tenggara | Malaria                                       | 15  | 171.9         | (13.1, 651.2)      | 0.001493                 | (0.0001140, 0.0056539) | 137.2         | (9.5, 507.7)       | 0.001169                 | (0.0000807, 0.0043277) |
| Sulawesi Tenggara | Tuberculosis                                  | 15  | 1,171.5       | (638.5, 1,869.4)   | 0.010172                 | (0.0055441, 0.0162311) | 842.8         | (469.1, 1,314.6)   | 0.007185                 | (0.0039993, 0.0112068) |
| Sulawesi Tenggara | Maternal disorders                            | 15  |               |                    |                          |                        | 235.5         | (104.7, 445.9)     | 0.002007                 | (0.0008923, 0.0038014) |
| Sulawesi Tenggara | Other communicable diseases                   | 15  | 954.1         | (468.2, 1,570.8)   | 0.008284                 | (0.0040650, 0.0136379) | 629.4         | (290.9, 1,049.9)   | 0.005366                 | (0.0024798, 0.0089504) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 15  | 46.7          | (9.5, 130.9)       | 0.000405                 | (0.0000825, 0.0011368) | 24.2          | (5.1, 68.2)        | 0.000206                 | (0.0000431, 0.0005815) |
| Sulawesi Tenggara | Breast cancer                                 | 15  | 3.3           | (0.3, 14.3)        | 0.000029                 | (0.0000022, 0.0001243) | 116.6         | (27.0, 318.0)      | 0.000994                 | (0.0002299, 0.0027110) |
| Sulawesi Tenggara | Cervical cancer                               | 15  |               |                    |                          |                        | 72.6          | (10.3, 246.8)      | 0.000619                 | (0.0000875, 0.0021041) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 15  | 525.4         | (246.5, 956.5)     | 0.004561                 | (0.0021399, 0.0083051) | 734.7         | (357.8, 1,284.2)   | 0.006263                 | (0.0030500, 0.0109470) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 15  | 181.7         | (91.5, 329.9)      | 0.001578                 | (0.0007944, 0.0028647) | 218.6         | (108.8, 372.4)     | 0.001863                 | (0.0009272, 0.0031742) |
| Sulawesi Tenggara | Ischemic heart disease                        | 15  | 238.8         | (112.4, 430.5)     | 0.002074                 | (0.0009758, 0.0037377) | 249.7         | (118.6, 439.7)     | 0.002128                 | (0.0010108, 0.0037486) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 15  | 121.1         | (46.3, 257.5)      | 0.001051                 | (0.0004019, 0.0022356) | 163.0         | (60.6, 359.1)      | 0.001389                 | (0.0005162, 0.0030609) |
| Sulawesi Tenggara | Diabetes mellitus                             | 15  | 184.0         | (78.7, 339.6)      | 0.001597                 | (0.0006832, 0.0029489) | 262.1         | (129.6, 505.2)     | 0.002234                 | (0.0011051, 0.0043064) |
| Sulawesi Tenggara | Chronic kidney disease                        | 15  | 259.9         | (142.6, 423.5)     | 0.002256                 | (0.0012381, 0.0036773) | 332.3         | (184.5, 540.6)     | 0.002833                 | (0.0015725, 0.0046082) |
| Sulawesi Tenggara | Cirrhosis                                     | 15  | 393.6         | (181.7, 754.0)     | 0.003417                 | (0.0015775, 0.0065462) | 233.0         | (112.1, 428.9)     | 0.001987                 | (0.0009560, 0.0036567) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 15  | 253.3         | (113.2, 487.0)     | 0.002199                 | (0.0009829, 0.0042282) | 169.5         | (69.7, 343.2)      | 0.001445                 | (0.0005939, 0.0029260) |
| Sulawesi Tenggara | Other non-communicable diseases               | 15  | 1,252.4       | (821.2, 1,827.0)   | 0.010874                 | (0.0071302, 0.0158625) | 1,428.5       | (980.3, 2,002.6)   | 0.012178                 | (0.0083567, 0.0170720) |
| Sulawesi Tenggara | Drowning                                      | 15  | 515.9         | (165.4, 1,196.3)   | 0.004479                 | (0.0014365, 0.0103871) | 158.0         | (43.5, 406.1)      | 0.001347                 | (0.0003711, 0.0034621) |
| Sulawesi Tenggara | Falls                                         | 15  | 172.9         | (70.0, 341.9)      | 0.001502                 | (0.0006080, 0.0029687) | 75.8          | (27.2, 161.8)      | 0.000646                 | (0.0002319, 0.0013797) |
| Sulawesi Tenggara | Interpersonal violence                        | 15  | 201.0         | (108.4, 344.1)     | 0.001745                 | (0.0009413, 0.0029876) | 187.9         | (86.0, 359.4)      | 0.001601                 | (0.0007329, 0.0030638) |
| Sulawesi Tenggara | Self-harm                                     | 15  | 273.9         | (127.2, 517.3)     | 0.002378                 | (0.0011046, 0.0044911) | 226.7         | (88.1, 446.9)      | 0.001933                 | (0.0007510, 0.0038099) |
| Sulawesi Tenggara | Transport injuries                            | 15  | 4,207.5       | (3,008.0, 5,445.5) | 0.036532                 | (0.0261167, 0.0472799) | 1,862.3       | (1,162.3, 2,726.3) | 0.015876                 | (0.0099079, 0.0232412) |
| Sulawesi Tenggara | Other unintentional injuries                  | 15  | 669.4         | (393.0, 1,021.4)   | 0.005812                 | (0.0034125, 0.0088680) | 324.9         | (155.0, 552.5)     | 0.002769                 | (0.0013209, 0.0047095) |
| Sulawesi Tenggara | Diarrheal diseases                            | 20  | 251.6         | (88.6, 495.7)      | 0.002429                 | (0.0008557, 0.0047860) | 238.2         | (82.8, 465.3)      | 0.002175                 | (0.0007563, 0.0042492) |
| Sulawesi Tenggara | HIV/AIDS                                      | 20  | 282.5         | (69.0, 747.6)      | 0.002728                 | (0.0006661, 0.0072188) | 193.0         | (47.4, 497.7)      | 0.001762                 | (0.0004328, 0.0045451) |
| Sulawesi Tenggara | Lower respiratory infections                  | 20  | 250.7         | (84.6, 521.0)      | 0.002420                 | (0.0008171, 0.0050304) | 134.8         | (44.5, 296.4)      | 0.001231                 | (0.0004064, 0.0027072) |
| Sulawesi Tenggara | Malaria                                       | 20  | 201.6         | (15.7, 759.0)      | 0.001947                 | (0.0001518, 0.0073292) | 142.8         | (10.2, 513.9)      | 0.001304                 | (0.0000930, 0.0046936) |
| Sulawesi Tenggara | Tuberculosis                                  | 20  | 2,129.7       | (1,280.7, 3,217.2) | 0.020564                 | (0.0123666, 0.0310656) | 1,200.5       | (698.7, 1,795.7)   | 0.010964                 | (0.0063814, 0.0164001) |
| Sulawesi Tenggara | Maternal disorders                            | 20  |               |                    |                          |                        | 482.3         | (269.0, 808.9)     | 0.004405                 | (0.0024568, 0.0073872) |
| Sulawesi Tenggara | Other communicable diseases                   | 20  | 1,157.0       | (568.3, 1,916.7)   | 0.011172                 | (0.0054879, 0.0185078) | 745.3         | (353.7, 1,248.8)   | 0.006807                 | (0.0032302, 0.0114052) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 20  | 32.5          | (5.6, 106.4)       | 0.000314                 | (0.0000540, 0.0010270) | 34.6          | (8.4, 95.6)        | 0.000316                 | (0.0000768, 0.0008735) |
| Sulawesi Tenggara | Breast cancer                                 | 20  | 4.0           | (0.5, 13.9)        | 0.000038                 | (0.0000052, 0.0001345) | 301.0         | (103.3, 639.3)     | 0.002749                 | (0.0009432, 0.0058384) |
| Sulawesi Tenggara | Cervical cancer                               | 20  |               |                    |                          |                        | 150.9         | (31.0, 417.1)      | 0.001378                 | (0.0002829, 0.0038095) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 20  | 466.3         | (210.2, 857.7)     | 0.004502                 | (0.0020299, 0.0082817) | 733.9         | (360.0, 1,274.6)   | 0.006703                 | (0.0032879, 0.0116407) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 20  | 342.2         | (193.9, 544.6)     | 0.003304                 | (0.0018724, 0.0052583) | 344.4         | (200.3, 553.8)     | 0.003145                 | (0.0018289, 0.0050581) |
| Sulawesi Tenggara | Ischemic heart disease                        | 20  | 436.9         | (228.7, 759.6)     | 0.004219                 | (0.0022083, 0.0073344) | 292.5         | (148.7, 499.0)     | 0.002672                 | (0.0013583, 0.0045569) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 20  | 181.9         | (72.3, 364.5)      | 0.001756                 | (0.0006979, 0.0035199) | 227.9         | (96.6, 442.6)      | 0.002082                 | (0.0008818, 0.0040422) |
| Sulawesi Tenggara | Diabetes mellitus                             | 20  | 171.1         | (76.4, 311.8)      | 0.001652                 | (0.0007376, 0.0030108) | 229.5         | (115.7, 391.7)     | 0.002096                 | (0.0010563, 0.0035773) |
| Sulawesi Tenggara | Chronic kidney disease                        | 20  | 384.1         | (222.2, 630.4)     | 0.003709                 | (0.0021456, 0.0060869) | 454.2         | (276.6, 706.0)     | 0.004148                 | (0.0025260, 0.0064478) |
| Sulawesi Tenggara | Cirrhosis                                     | 20  | 603.5         | (286.1, 1,144.5)   | 0.005827                 | (0.0027628, 0.0110517) | 352.7         | (176.0, 641.6)     | 0.003221                 | (0.0016073, 0.0058595) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 20  | 477.8         | (229.1, 851.1)     | 0.004613                 | (0.0022118, 0.0082180) | 389.1         | (187.3, 681.4)     | 0.003554                 | (0.0017109, 0.0062232) |
| Sulawesi Tenggara | Other non-communicable diseases               | 20  | 1,194.1       | (744.3, 1,785.3)   | 0.011530                 | (0.0071870, 0.0172384) | 1,217.2       | (811.7, 1,755.5)   | 0.011116                 | (0.0074128, 0.0160331) |
| Sulawesi Tenggara | Drowning                                      | 20  | 374.2         | (103.0, 891.6)     | 0.003613                 | (0.0009943, 0.0086096) | 108.1         | (25.4, 265.9)      | 0.000987                 | (0.0002321, 0.0024283) |
| Sulawesi Tenggara | Falls                                         | 20  | 166.9         | (61.4, 324.0)      | 0.001612                 | (0.0005932, 0.0031287) | 66.9          | (23.3, 139.9)      | 0.000611                 | (0.0002127, 0.0012778) |
| Sulawesi Tenggara | Interpersonal violence                        | 20  | 225.5         | (117.1, 390.9)     | 0.002178                 | (0.0011303, 0.0037740) | 169.1         | (75.3, 318.5)      | 0.001544                 | (0.0006878, 0.0029087) |
| Sulawesi Tenggara | Self-harm                                     | 20  | 261.9         | (120.3, 501.9)     | 0.002529                 | (0.0011613, 0.0048459) | 171.1         | (65.6, 336.4)      | 0.001562                 | (0.0005987, 0.0030726) |
| Sulawesi Tenggara | Transport injuries                            | 20  | 3,366.4       | (2,196.8, 4,732.5) | 0.032506                 | (0.0212127, 0.0456966) | 1,225.8       | (723.2, 1,935.0)   | 0.011196                 | (0.0066052, 0.0176720) |
| Sulawesi Tenggara | Other unintentional injuries                  | 20  | 712.8         | (392.9, 1,113.4)   | 0.006883                 | (0.0037936, 0.0107510) | 295.2         | (137.9, 499.8)     | 0.002696                 | (0.0012593, 0.0045645) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Diarrheal diseases                            | 25  | 340.6 (130.9, 639.2)       | 0.003315 (0.0012744, 0.0062226) | 294.5 (107.5, 554.4)     | 0.002709 (0.0009889, 0.0050996) |
| Sulawesi Tenggara | HIV/AIDS                                      | 25  | 487.8 (126.9, 1,160.5)     | 0.004749 (0.0012355, 0.0112968) | 309.8 (78.5, 739.2)      | 0.002849 (0.0007217, 0.0067986) |
| Sulawesi Tenggara | Lower respiratory infections                  | 25  | 245.9 (83.5, 508.5)        | 0.002394 (0.0008132, 0.0049499) | 120.2 (40.1, 264.5)      | 0.001105 (0.0003690, 0.0024330) |
| Sulawesi Tenggara | Malaria                                       | 25  | 209.5 (16.0, 799.2)        | 0.002039 (0.0001555, 0.0077798) | 134.4 (9.6, 492.9)       | 0.001236 (0.0000887, 0.0045339) |
| Sulawesi Tenggara | Tuberculosis                                  | 25  | 2,778.9 (1,738.1, 4,072.5) | 0.027051 (0.0169196, 0.0396435) | 1,398.0 (831.3, 2,118.5) | 0.012859 (0.0076457, 0.0194849) |
| Sulawesi Tenggara | Maternal disorders                            | 25  |                            |                                 | 501.0 (268.7, 867.0)     | 0.004608 (0.0024711, 0.0079740) |
| Sulawesi Tenggara | Other communicable diseases                   | 25  | 1,168.7 (577.9, 1,927.4)   | 0.011377 (0.0056253, 0.0187622) | 691.6 (320.4, 1,160.7)   | 0.006361 (0.0029471, 0.0106753) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 25  | 43.6 (8.3, 120.2)          | 0.000424 (0.0000810, 0.0011702) | 41.8 (10.5, 112.9)       | 0.000384 (0.0000963, 0.0010384) |
| Sulawesi Tenggara | Breast cancer                                 | 25  | 4.1 (0.6, 14.9)            | 0.000040 (0.0000055, 0.0001447) | 544.3 (226.9, 1,025.3)   | 0.005006 (0.0020871, 0.0094308) |
| Sulawesi Tenggara | Cervical cancer                               | 25  |                            |                                 | 230.7 (48.5, 601.0)      | 0.002122 (0.0004459, 0.0055276) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 25  | 607.4 (278.9, 1,081.5)     | 0.005913 (0.0027149, 0.0105277) | 724.8 (324.6, 1,342.8)   | 0.006666 (0.0029855, 0.0123502) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 25  | 617.8 (379.7, 982.9)       | 0.006014 (0.0036966, 0.0095678) | 534.5 (329.7, 812.9)     | 0.004916 (0.0030325, 0.0074767) |
| Sulawesi Tenggara | Ischemic heart disease                        | 25  | 852.2 (484.2, 1,382.7)     | 0.008296 (0.0047131, 0.0134602) | 458.5 (242.3, 772.4)     | 0.004217 (0.0022287, 0.0071042) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 25  | 242.8 (102.9, 488.6)       | 0.002364 (0.0010021, 0.0047566) | 272.6 (121.2, 510.2)     | 0.002507 (0.0011146, 0.0046924) |
| Sulawesi Tenggara | Diabetes mellitus                             | 25  | 288.6 (146.6, 496.4)       | 0.002810 (0.0014267, 0.0048318) | 334.4 (189.5, 557.8)     | 0.003076 (0.0017431, 0.0051307) |
| Sulawesi Tenggara | Chronic kidney disease                        | 25  | 437.8 (267.0, 664.6)       | 0.004262 (0.0025990, 0.0064690) | 447.8 (282.0, 687.2)     | 0.004119 (0.0025937, 0.0063209) |
| Sulawesi Tenggara | Cirrhosis                                     | 25  | 826.7 (414.1, 1,507.2)     | 0.008047 (0.0040306, 0.0146713) | 422.9 (221.9, 736.2)     | 0.003890 (0.0020413, 0.0067710) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 25  | 563.8 (275.2, 951.2)       | 0.005488 (0.0026789, 0.0092597) | 430.3 (211.4, 736.9)     | 0.003958 (0.0019448, 0.0067778) |
| Sulawesi Tenggara | Other non-communicable diseases               | 25  | 1,404.1 (880.0, 2,074.0)   | 0.013669 (0.0085665, 0.0201896) | 1,257.8 (833.0, 1,846.2) | 0.011569 (0.0076615, 0.0169809) |
| Sulawesi Tenggara | Drowning                                      | 25  | 228.0 (57.5, 616.2)        | 0.002220 (0.0005595, 0.0059988) | 54.8 (12.5, 148.3)       | 0.000504 (0.0001146, 0.0013643) |
| Sulawesi Tenggara | Falls                                         | 25  | 220.3 (82.1, 437.0)        | 0.002145 (0.0007991, 0.0042536) | 74.0 (27.1, 154.4)       | 0.000681 (0.0002489, 0.0014206) |
| Sulawesi Tenggara | Interpersonal violence                        | 25  | 218.4 (105.7, 389.7)       | 0.002126 (0.0010287, 0.0037932) | 134.1 (58.7, 251.1)      | 0.001234 (0.0005398, 0.0023093) |
| Sulawesi Tenggara | Self-harm                                     | 25  | 236.0 (105.3, 469.1)       | 0.002297 (0.0010246, 0.0045666) | 125.7 (47.4, 258.2)      | 0.001156 (0.0004357, 0.0023750) |
| Sulawesi Tenggara | Transport injuries                            | 25  | 2,187.4 (1,300.2, 3,340.2) | 0.021293 (0.0126567, 0.0325151) | 612.2 (326.4, 1,099.0)   | 0.005630 (0.0030024, 0.0101085) |
| Sulawesi Tenggara | Other unintentional injuries                  | 25  | 803.4 (418.1, 1,309.9)     | 0.007821 (0.0040696, 0.0127516) | 275.6 (130.1, 478.8)     | 0.002534 (0.0011963, 0.0044039) |
| Sulawesi Tenggara | Diarrheal diseases                            | 30  | 309.8 (116.5, 596.8)       | 0.003367 (0.0012663, 0.0064869) | 280.6 (101.8, 513.8)     | 0.003017 (0.0010944, 0.0055238) |
| Sulawesi Tenggara | HIV/AIDS                                      | 30  | 421.1 (109.3, 976.9)       | 0.004576 (0.0011882, 0.0106178) | 280.7 (73.4, 685.8)      | 0.003017 (0.0007896, 0.0073734) |
| Sulawesi Tenggara | Lower respiratory infections                  | 30  | 190.1 (64.8, 397.4)        | 0.002066 (0.0007044, 0.0043193) | 104.1 (35.1, 226.5)      | 0.001119 (0.0003775, 0.0024350) |
| Sulawesi Tenggara | Malaria                                       | 30  | 145.8 (10.3, 538.2)        | 0.001585 (0.0001123, 0.0058498) | 90.0 (6.2, 355.4)        | 0.000968 (0.0000666, 0.0038212) |
| Sulawesi Tenggara | Tuberculosis                                  | 30  | 2,324.4 (1,421.6, 3,483.0) | 0.025263 (0.0154510, 0.0378553) | 1,177.2 (684.3, 1,822.0) | 0.012656 (0.0073568, 0.0195887) |
| Sulawesi Tenggara | Maternal disorders                            | 30  |                            |                                 | 404.4 (209.9, 713.1)     | 0.004347 (0.0022563, 0.0076663) |
| Sulawesi Tenggara | Other communicable diseases                   | 30  | 668.3 (311.6, 1,156.8)     | 0.007263 (0.0033870, 0.0125734) | 426.7 (192.4, 766.7)     | 0.004587 (0.0020688, 0.0082425) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 30  | 89.7 (21.8, 247.5)         | 0.000975 (0.0002366, 0.0026903) | 41.2 (10.7, 105.7)       | 0.000443 (0.0001148, 0.0011364) |
| Sulawesi Tenggara | Breast cancer                                 | 30  | 5.8 (0.7, 23.4)            | 0.000063 (0.0000074, 0.0002543) | 702.3 (313.9, 1,264.4)   | 0.007551 (0.0033746, 0.0135932) |
| Sulawesi Tenggara | Cervical cancer                               | 30  |                            |                                 | 309.4 (73.4, 770.3)      | 0.003326 (0.0007896, 0.0082814) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 30  | 744.3 (355.1, 1,312.1)     | 0.008090 (0.0038594, 0.0142610) | 625.6 (280.7, 1,191.5)   | 0.006726 (0.0030178, 0.0128100) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 30  | 882.7 (551.4, 1,376.0)     | 0.009593 (0.0059928, 0.0149550) | 767.1 (482.8, 1,154.8)   | 0.008247 (0.0051909, 0.0124151) |
| Sulawesi Tenggara | Ischemic heart disease                        | 30  | 1,099.9 (644.6, 1,707.9)   | 0.011954 (0.0070061, 0.0185623) | 587.4 (321.7, 955.1)     | 0.006316 (0.0034590, 0.0102684) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 30  | 272.8 (118.6, 531.7)       | 0.002965 (0.0012891, 0.0057786) | 295.0 (132.6, 551.8)     | 0.003171 (0.0014255, 0.0059322) |
| Sulawesi Tenggara | Diabetes mellitus                             | 30  | 428.6 (234.5, 721.6)       | 0.004658 (0.0025492, 0.0078425) | 466.4 (276.2, 749.4)     | 0.005014 (0.0029693, 0.0080566) |
| Sulawesi Tenggara | Chronic kidney disease                        | 30  | 433.0 (265.6, 648.0)       | 0.004706 (0.0028872, 0.0070424) | 408.4 (253.3, 623.6)     | 0.004391 (0.0027229, 0.0067045) |
| Sulawesi Tenggara | Cirrhosis                                     | 30  | 964.3 (501.7, 1,711.3)     | 0.010480 (0.0054532, 0.0185998) | 493.2 (267.4, 845.4)     | 0.005303 (0.0028745, 0.0090886) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 30  | 543.2 (261.8, 900.4)       | 0.005904 (0.0028450, 0.0097861) | 386.7 (184.6, 694.0)     | 0.004158 (0.0019846, 0.0074615) |
| Sulawesi Tenggara | Other non-communicable diseases               | 30  | 1,332.7 (835.9, 1,995.1)   | 0.014485 (0.0090852, 0.0216844) | 1,178.0 (772.3, 1,730.7) | 0.012665 (0.0083028, 0.0186073) |
| Sulawesi Tenggara | Drowning                                      | 30  | 214.9 (56.7, 567.3)        | 0.002335 (0.0006167, 0.0061654) | 64.5 (15.5, 175.2)       | 0.000694 (0.0001665, 0.0018831) |
| Sulawesi Tenggara | Falls                                         | 30  | 224.7 (78.7, 459.0)        | 0.002443 (0.0008549, 0.0049883) | 88.3 (30.5, 195.2)       | 0.000949 (0.0003279, 0.0020989) |
| Sulawesi Tenggara | Interpersonal violence                        | 30  | 150.4 (72.4, 275.2)        | 0.001635 (0.0007867, 0.0029905) | 90.5 (39.9, 168.0)       | 0.000973 (0.0004293, 0.0018063) |
| Sulawesi Tenggara | Self-harm                                     | 30  | 159.8 (67.5, 323.1)        | 0.001737 (0.0007337, 0.0035122) | 81.0 (31.9, 160.9)       | 0.000871 (0.0003428, 0.0017303) |
| Sulawesi Tenggara | Transport injuries                            | 30  | 1,631.1 (940.6, 2,579.9)   | 0.017728 (0.0102231, 0.0280403) | 498.2 (251.1, 898.3)     | 0.005356 (0.0027001, 0.0096572) |
| Sulawesi Tenggara | Other unintentional injuries                  | 30  | 642.2 (339.3, 1,069.2)     | 0.006979 (0.0036876, 0.0116207) | 232.8 (109.8, 410.3)     | 0.002503 (0.0011803, 0.0044107) |
| Sulawesi Tenggara | Diarrheal diseases                            | 35  | 253.7 (93.2, 506.1)        | 0.002891 (0.0010621, 0.0057660) | 285.1 (105.4, 528.8)     | 0.003267 (0.0012084, 0.0060607) |
| Sulawesi Tenggara | HIV/AIDS                                      | 35  | 349.4 (85.2, 840.6)        | 0.003981 (0.0009712, 0.0095778) | 273.8 (68.1, 652.7)      | 0.003138 (0.0007802, 0.0074808) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Lower respiratory infections                  | 35  | 184.3 (60.3, 400.2)        | 0.002099 (0.0006868, 0.0045600) | 126.6 (41.9, 274.8)        | 0.001452 (0.0004800, 0.0031496) |
| Sulawesi Tenggara | Malaria                                       | 35  | 124.6 (9.1, 441.7)         | 0.001420 (0.0001041, 0.0050322) | 87.1 (6.1, 340.4)          | 0.000998 (0.0000698, 0.0039009) |
| Sulawesi Tenggara | Tuberculosis                                  | 35  | 2,388.5 (1,432.1, 3,535.4) | 0.027215 (0.0163174, 0.0402822) | 1,366.1 (797.2, 2,169.9)   | 0.015657 (0.0091375, 0.0248705) |
| Sulawesi Tenggara | Maternal disorders                            | 35  |                            |                                 | 260.3 (121.1, 483.8)       | 0.002984 (0.0013874, 0.0055454) |
| Sulawesi Tenggara | Other communicable diseases                   | 35  | 546.2 (231.9, 978.1)       | 0.006223 (0.0026420, 0.0111441) | 443.8 (194.8, 799.7)       | 0.005086 (0.0022332, 0.0091653) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 35  | 71.0 (17.4, 189.5)         | 0.000809 (0.0001982, 0.0021597) | 54.7 (15.1, 139.7)         | 0.000627 (0.0001728, 0.0016014) |
| Sulawesi Tenggara | Breast cancer                                 | 35  | 11.9 (1.6, 42.4)           | 0.000136 (0.0000179, 0.0004837) | 1,000.3 (450.8, 1,763.5)   | 0.011465 (0.0051663, 0.0202119) |
| Sulawesi Tenggara | Cervical cancer                               | 35  |                            |                                 | 472.4 (123.2, 1,128.8)     | 0.005414 (0.0014125, 0.0129373) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 35  | 1,051.6 (517.7, 1,818.8)   | 0.011981 (0.0058989, 0.0207234) | 671.8 (275.9, 1,330.9)     | 0.007700 (0.0031617, 0.0152540) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 35  | 1,429.5 (914.9, 2,145.0)   | 0.016287 (0.0104245, 0.0244397) | 1,294.2 (833.7, 1,888.0)   | 0.014833 (0.0095548, 0.0216394) |
| Sulawesi Tenggara | Ischemic heart disease                        | 35  | 1,620.3 (996.7, 2,427.5)   | 0.018462 (0.0113567, 0.0276583) | 898.4 (509.3, 1,425.8)     | 0.010297 (0.0058378, 0.0163412) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 35  | 365.9 (166.0, 714.6)       | 0.004169 (0.0018912, 0.0081423) | 395.1 (179.7, 722.7)       | 0.004528 (0.0020601, 0.0082836) |
| Sulawesi Tenggara | Diabetes mellitus                             | 35  | 809.3 (455.1, 1,283.9)     | 0.009221 (0.0051850, 0.0146287) | 863.3 (528.9, 1,338.1)     | 0.009894 (0.0060614, 0.0153370) |
| Sulawesi Tenggara | Chronic kidney disease                        | 35  | 529.7 (335.7, 781.6)       | 0.006035 (0.0038250, 0.0089050) | 480.6 (293.9, 722.9)       | 0.005508 (0.0033682, 0.0082855) |
| Sulawesi Tenggara | Cirrhosis                                     | 35  | 1,197.6 (638.3, 2,090.3)   | 0.013645 (0.0072726, 0.0238168) | 635.6 (342.3, 1,096.9)     | 0.007285 (0.0039227, 0.0125723) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 35  | 677.0 (336.6, 1,126.6)     | 0.007714 (0.0038351, 0.0128359) | 459.1 (231.4, 812.6)       | 0.005262 (0.0026523, 0.0093132) |
| Sulawesi Tenggara | Other non-communicable diseases               | 35  | 1,430.8 (885.5, 2,168.8)   | 0.016303 (0.0100895, 0.0247108) | 1,296.9 (825.5, 1,927.4)   | 0.014864 (0.0094608, 0.0220905) |
| Sulawesi Tenggara | Drowning                                      | 35  | 240.2 (66.1, 588.8)        | 0.002737 (0.0007528, 0.0067091) | 91.7 (23.4, 233.1)         | 0.001051 (0.0002684, 0.0026721) |
| Sulawesi Tenggara | Falls                                         | 35  | 210.7 (67.9, 413.1)        | 0.002401 (0.0007734, 0.0047064) | 99.3 (32.2, 205.5)         | 0.001138 (0.0003690, 0.0023552) |
| Sulawesi Tenggara | Interpersonal violence                        | 35  | 132.4 (60.2, 251.5)        | 0.001509 (0.0006858, 0.0028654) | 80.3 (33.5, 150.7)         | 0.000920 (0.0003842, 0.0017272) |
| Sulawesi Tenggara | Self-harm                                     | 35  | 153.2 (61.9, 299.3)        | 0.001745 (0.0007056, 0.0034102) | 75.9 (28.7, 158.8)         | 0.000870 (0.0003295, 0.0018197) |
| Sulawesi Tenggara | Transport injuries                            | 35  | 1,268.8 (665.3, 2,106.4)   | 0.014457 (0.0075809, 0.0240007) | 431.2 (209.3, 786.6)       | 0.004942 (0.0023990, 0.0090150) |
| Sulawesi Tenggara | Other unintentional injuries                  | 35  | 594.4 (283.6, 1,011.1)     | 0.006772 (0.0032319, 0.0115209) | 233.8 (110.8, 429.4)       | 0.002679 (0.0012699, 0.0049216) |
| Sulawesi Tenggara | Diarrheal diseases                            | 40  | 235.6 (87.8, 461.4)        | 0.003251 (0.0012119, 0.0063650) | 275.4 (97.6, 525.4)        | 0.004078 (0.0014445, 0.0077791) |
| Sulawesi Tenggara | HIV/AIDS                                      | 40  | 162.6 (35.1, 410.8)        | 0.002243 (0.0004843, 0.0056671) | 127.7 (30.0, 318.0)        | 0.001891 (0.0004436, 0.0047074) |
| Sulawesi Tenggara | Lower respiratory infections                  | 40  | 159.0 (49.8, 346.3)        | 0.002193 (0.0006874, 0.0047777) | 121.6 (39.9, 260.0)        | 0.001800 (0.0005911, 0.0038491) |
| Sulawesi Tenggara | Malaria                                       | 40  | 106.7 (7.8, 391.1)         | 0.001471 (0.0001077, 0.0053960) | 68.0 (4.9, 265.6)          | 0.001007 (0.0000718, 0.0039327) |
| Sulawesi Tenggara | Tuberculosis                                  | 40  | 1,931.2 (1,148.7, 2,911.1) | 0.026642 (0.0158474, 0.0401597) | 1,050.4 (612.0, 1,712.4)   | 0.015551 (0.0090602, 0.0253526) |
| Sulawesi Tenggara | Maternal disorders                            | 40  |                            |                                 | 102.7 (44.0, 221.2)        | 0.001520 (0.0006520, 0.0032754) |
| Sulawesi Tenggara | Other communicable diseases                   | 40  | 455.0 (195.2, 833.1)       | 0.006277 (0.0026935, 0.0114931) | 402.0 (179.0, 731.9)       | 0.005951 (0.0026496, 0.0108357) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 40  | 108.9 (31.3, 273.5)        | 0.001502 (0.0004316, 0.0037733) | 55.1 (15.0, 136.5)         | 0.000816 (0.0002216, 0.0020214) |
| Sulawesi Tenggara | Breast cancer                                 | 40  | 21.2 (3.7, 67.3)           | 0.000292 (0.0000507, 0.0009288) | 968.5 (431.8, 1,730.6)     | 0.014339 (0.0063929, 0.0256221) |
| Sulawesi Tenggara | Cervical cancer                               | 40  |                            |                                 | 530.1 (147.9, 1,206.5)     | 0.007847 (0.0021893, 0.0178625) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 40  | 1,285.9 (648.3, 2,239.3)   | 0.017740 (0.0089439, 0.0308916) | 557.0 (222.2, 1,122.0)     | 0.008247 (0.0032894, 0.0166113) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 40  | 2,020.7 (1,338.3, 2,926.3) | 0.027877 (0.0184618, 0.0403699) | 1,710.2 (1,128.8, 2,451.7) | 0.025320 (0.0167121, 0.0362974) |
| Sulawesi Tenggara | Ischemic heart disease                        | 40  | 2,101.8 (1,341.5, 3,072.9) | 0.028995 (0.0185060, 0.0423923) | 1,096.0 (622.9, 1,708.0)   | 0.016226 (0.0092221, 0.0252866) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 40  | 469.2 (213.5, 904.5)       | 0.006472 (0.0029458, 0.0124777) | 438.3 (204.7, 791.6)       | 0.006489 (0.0030304, 0.0117203) |
| Sulawesi Tenggara | Diabetes mellitus                             | 40  | 1,463.6 (876.5, 2,238.8)   | 0.020192 (0.0120916, 0.0308853) | 1,343.5 (869.9, 2,024.7)   | 0.019890 (0.0128796, 0.0299751) |
| Sulawesi Tenggara | Chronic kidney disease                        | 40  | 596.1 (381.6, 861.0)       | 0.008224 (0.0052639, 0.0118785) | 453.1 (283.9, 686.5)       | 0.006708 (0.0042028, 0.0101632) |
| Sulawesi Tenggara | Cirrhosis                                     | 40  | 1,303.7 (691.1, 2,285.1)   | 0.017985 (0.0095340, 0.0315245) | 647.6 (351.5, 1,099.4)     | 0.009587 (0.0052037, 0.0162765) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 40  | 772.0 (383.9, 1,284.7)     | 0.010650 (0.0052959, 0.0177227) | 435.0 (215.4, 754.1)       | 0.006440 (0.0031885, 0.0111638) |
| Sulawesi Tenggara | Other non-communicable diseases               | 40  | 1,401.5 (875.9, 2,143.5)   | 0.019335 (0.0120835, 0.0295702) | 1,150.8 (720.3, 1,745.8)   | 0.017038 (0.0106643, 0.0258467) |
| Sulawesi Tenggara | Drowning                                      | 40  | 109.6 (28.0, 279.8)        | 0.001511 (0.0003861, 0.0038594) | 51.0 (12.3, 133.2)         | 0.000755 (0.0001815, 0.0019725) |
| Sulawesi Tenggara | Falls                                         | 40  | 158.8 (52.4, 335.8)        | 0.002191 (0.0007225, 0.0046324) | 83.7 (29.0, 174.6)         | 0.001239 (0.0004298, 0.0025849) |
| Sulawesi Tenggara | Interpersonal violence                        | 40  | 89.4 (39.1, 176.2)         | 0.001233 (0.0005400, 0.0024307) | 46.6 (19.2, 91.6)          | 0.000690 (0.0002841, 0.0013561) |
| Sulawesi Tenggara | Self-harm                                     | 40  | 117.3 (45.0, 240.6)        | 0.001618 (0.0006210, 0.0033193) | 47.8 (17.6, 101.6)         | 0.000707 (0.0002603, 0.0015036) |
| Sulawesi Tenggara | Transport injuries                            | 40  | 880.7 (438.0, 1,557.9)     | 0.012150 (0.0060417, 0.0214920) | 307.6 (143.4, 584.6)       | 0.004555 (0.0021235, 0.0086558) |
| Sulawesi Tenggara | Other unintentional injuries                  | 40  | 411.5 (192.6, 725.9)       | 0.005677 (0.0026577, 0.0100137) | 156.1 (73.4, 293.4)        | 0.002311 (0.0010874, 0.0043432) |
| Sulawesi Tenggara | Diarrheal diseases                            | 45  | 183.0 (65.6, 373.8)        | 0.003328 (0.0011935, 0.0067987) | 292.9 (115.6, 551.1)       | 0.005331 (0.0021041, 0.0100305) |
| Sulawesi Tenggara | HIV/AIDS                                      | 45  | 67.4 (13.6, 195.9)         | 0.001227 (0.0002469, 0.0035625) | 71.7 (15.3, 195.2)         | 0.001304 (0.0002786, 0.0035533) |
| Sulawesi Tenggara | Lower respiratory infections                  | 45  | 151.6 (48.4, 334.2)        | 0.002758 (0.0008805, 0.0060788) | 166.4 (53.4, 350.9)        | 0.003028 (0.0009714, 0.0063853) |
| Sulawesi Tenggara | Malaria                                       | 45  | 73.5 (5.5, 282.1)          | 0.001338 (0.0000995, 0.0051304) | 57.1 (4.2, 243.8)          | 0.001040 (0.0000761, 0.0044363) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Tuberculosis                                  | 45  | 1,684.8 (991.6, 2,505.9)   | 0.030643 (0.0180343, 0.0455771) | 1,131.9 (656.2, 1,793.7)   | 0.020601 (0.0119423, 0.0326448) |
| Sulawesi Tenggara | Maternal disorders                            | 45  |                            |                                 | 33.3 (11.5, 79.7)          | 0.000606 (0.0002101, 0.0014508) |
| Sulawesi Tenggara | Other communicable diseases                   | 45  | 302.0 (121.9, 561.0)       | 0.005493 (0.0022177, 0.0102035) | 379.7 (169.9, 693.5)       | 0.006911 (0.0030929, 0.0126210) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 45  | 157.3 (49.0, 360.7)        | 0.002861 (0.0008913, 0.0065609) | 65.3 (18.2, 156.0)         | 0.001188 (0.0003305, 0.0028389) |
| Sulawesi Tenggara | Breast cancer                                 | 45  | 21.4 (4.2, 64.9)           | 0.000390 (0.0000768, 0.0011805) | 894.6 (383.8, 1,616.9)     | 0.016282 (0.0069858, 0.0294263) |
| Sulawesi Tenggara | Cervical cancer                               | 45  |                            |                                 | 505.4 (138.8, 1,190.9)     | 0.009198 (0.0025254, 0.0216736) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 45  | 935.7 (457.9, 1,683.3)     | 0.017018 (0.0083277, 0.0306150) | 500.4 (194.5, 1,011.4)     | 0.009108 (0.0035400, 0.0184074) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 45  | 2,301.8 (1,523.6, 3,252.0) | 0.041865 (0.0277101, 0.0591467) | 2,396.4 (1,658.8, 3,365.1) | 0.043613 (0.0301895, 0.0612433) |
| Sulawesi Tenggara | Ischemic heart disease                        | 45  | 2,236.6 (1,436.0, 3,277.0) | 0.040678 (0.0261181, 0.0596010) | 1,344.4 (777.6, 2,092.9)   | 0.024467 (0.0141515, 0.0380890) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 45  | 481.4 (219.0, 941.4)       | 0.008755 (0.0039839, 0.0171218) | 541.4 (254.5, 968.9)       | 0.009854 (0.0046311, 0.0176343) |
| Sulawesi Tenggara | Diabetes mellitus                             | 45  | 1,867.5 (1,137.8, 2,758.6) | 0.033966 (0.0206947, 0.0501722) | 2,019.8 (1,356.0, 2,913.4) | 0.036759 (0.0246781, 0.0530229) |
| Sulawesi Tenggara | Chronic kidney disease                        | 45  | 523.2 (330.6, 753.5)       | 0.009516 (0.0060128, 0.0137038) | 456.9 (288.4, 676.9)       | 0.008315 (0.0052488, 0.0123194) |
| Sulawesi Tenggara | Cirrhosis                                     | 45  | 1,082.5 (571.4, 1,924.9)   | 0.019688 (0.0103934, 0.0350090) | 679.6 (371.0, 1,135.6)     | 0.012368 (0.0067524, 0.0206676) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 45  | 780.9 (399.0, 1,289.5)     | 0.014203 (0.0072563, 0.0234529) | 554.1 (284.7, 934.1)       | 0.010085 (0.0051823, 0.0169997) |
| Sulawesi Tenggara | Other non-communicable diseases               | 45  | 1,132.3 (702.4, 1,720.0)   | 0.020595 (0.0127751, 0.0312831) | 1,139.1 (716.4, 1,711.9)   | 0.020732 (0.0130380, 0.0311553) |
| Sulawesi Tenggara | Drowning                                      | 45  | 58.7 (14.4, 150.1)         | 0.001067 (0.0002617, 0.0027307) | 42.6 (9.9, 118.6)          | 0.000775 (0.0001793, 0.0021586) |
| Sulawesi Tenggara | Falls                                         | 45  | 141.3 (45.7, 301.3)        | 0.002570 (0.0008308, 0.0054797) | 107.1 (35.9, 226.0)        | 0.001949 (0.0006527, 0.0041130) |
| Sulawesi Tenggara | Interpersonal violence                        | 45  | 63.4 (24.8, 127.2)         | 0.001153 (0.0004519, 0.0023130) | 37.8 (15.1, 74.9)          | 0.000689 (0.0002739, 0.0013632) |
| Sulawesi Tenggara | Self-harm                                     | 45  | 95.5 (33.7, 198.0)         | 0.001736 (0.0006138, 0.0036005) | 42.6 (15.6, 91.1)          | 0.000776 (0.0002833, 0.0016571) |
| Sulawesi Tenggara | Transport injuries                            | 45  | 712.1 (352.1, 1,220.3)     | 0.012952 (0.0064040, 0.0221942) | 333.7 (163.5, 621.4)       | 0.006074 (0.0029749, 0.0113095) |
| Sulawesi Tenggara | Other unintentional injuries                  | 45  | 314.2 (147.5, 558.3)       | 0.005714 (0.0026819, 0.0101535) | 150.7 (69.1, 281.8)        | 0.002743 (0.0012574, 0.0051292) |
| Sulawesi Tenggara | Diarrheal diseases                            | 50  | 218.2 (83.4, 434.0)        | 0.004780 (0.0018258, 0.0095058) | 371.4 (154.0, 673.0)       | 0.008155 (0.0033823, 0.0147757) |
| Sulawesi Tenggara | HIV/AIDS                                      | 50  | 26.9 (5.1, 79.4)           | 0.000590 (0.0001117, 0.0017399) | 30.5 (6.2, 84.0)           | 0.000669 (0.0001352, 0.0018443) |
| Sulawesi Tenggara | Lower respiratory infections                  | 50  | 185.1 (58.0, 404.2)        | 0.004054 (0.0012698, 0.0088543) | 220.7 (75.7, 462.0)        | 0.004845 (0.0016615, 0.0101434) |
| Sulawesi Tenggara | Malaria                                       | 50  | 67.8 (4.6, 267.4)          | 0.001486 (0.0001012, 0.0058568) | 52.4 (3.4, 220.2)          | 0.001151 (0.0000743, 0.0048344) |
| Sulawesi Tenggara | Tuberculosis                                  | 50  | 1,764.6 (1,048.6, 2,634.2) | 0.038651 (0.0229679, 0.0576985) | 1,180.7 (676.0, 1,870.6)   | 0.025923 (0.0148423, 0.0410702) |
| Sulawesi Tenggara | Maternal disorders                            | 50  |                            |                                 | 12.2 (3.2, 33.2)           | 0.000268 (0.0000698, 0.0007294) |
| Sulawesi Tenggara | Other communicable diseases                   | 50  | 275.5 (112.9, 536.2)       | 0.006035 (0.0024739, 0.0117448) | 377.6 (171.5, 701.8)       | 0.008290 (0.0037658, 0.0154080) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 50  | 194.7 (60.6, 451.4)        | 0.004264 (0.0013278, 0.0098879) | 68.4 (18.8, 162.7)         | 0.001503 (0.0004129, 0.0035723) |
| Sulawesi Tenggara | Breast cancer                                 | 50  | 17.5 (3.7, 50.1)           | 0.000383 (0.0000806, 0.0010969) | 704.7 (284.3, 1,338.3)     | 0.015472 (0.0062430, 0.0293832) |
| Sulawesi Tenggara | Cervical cancer                               | 50  |                            |                                 | 435.6 (114.0, 1,052.2)     | 0.009563 (0.0025021, 0.0231023) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 50  | 715.9 (333.4, 1,339.8)     | 0.015680 (0.0073020, 0.0293476) | 467.8 (172.8, 960.1)       | 0.010271 (0.0037935, 0.0210796) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 50  | 2,942.4 (2,003.2, 4,096.4) | 0.064451 (0.0438776, 0.0897273) | 3,149.6 (2,220.9, 4,262.7) | 0.069152 (0.0487625, 0.0935925) |
| Sulawesi Tenggara | Ischemic heart disease                        | 50  | 2,664.0 (1,719.4, 3,846.2) | 0.058353 (0.0376623, 0.0842469) | 1,565.9 (920.2, 2,419.3)   | 0.034380 (0.0202037, 0.0531188) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 50  | 589.9 (266.1, 1,138.0)     | 0.012921 (0.0058292, 0.0249262) | 681.1 (322.7, 1,211.8)     | 0.014955 (0.0070852, 0.0266070) |
| Sulawesi Tenggara | Diabetes mellitus                             | 50  | 2,318.7 (1,439.3, 3,352.8) | 0.050789 (0.0315262, 0.0734401) | 2,541.0 (1,709.7, 3,594.8) | 0.055791 (0.0375371, 0.0789284) |
| Sulawesi Tenggara | Chronic kidney disease                        | 50  | 518.7 (332.8, 742.4)       | 0.011361 (0.0072900, 0.0162619) | 452.0 (285.8, 667.7)       | 0.009924 (0.0062758, 0.0146601) |
| Sulawesi Tenggara | Cirrhosis                                     | 50  | 1,070.0 (550.1, 1,904.2)   | 0.023437 (0.0120502, 0.0417089) | 707.5 (394.2, 1,157.8)     | 0.015533 (0.0086551, 0.0254198) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 50  | 942.8 (477.2, 1,533.1)     | 0.020650 (0.0104534, 0.0335807) | 709.3 (371.8, 1,168.2)     | 0.015572 (0.0081631, 0.0256493) |
| Sulawesi Tenggara | Other non-communicable diseases               | 50  | 1,126.6 (707.0, 1,713.9)   | 0.024678 (0.0154872, 0.0375407) | 1,171.6 (738.7, 1,765.2)   | 0.025724 (0.0162193, 0.0387565) |
| Sulawesi Tenggara | Drowning                                      | 50  | 39.6 (10.0, 114.5)         | 0.000868 (0.0002201, 0.0025089) | 32.8 (7.3, 94.5)           | 0.000721 (0.0001597, 0.0020747) |
| Sulawesi Tenggara | Falls                                         | 50  | 148.8 (52.9, 311.6)        | 0.003260 (0.0011585, 0.0068242) | 122.4 (46.3, 253.1)        | 0.002687 (0.0010171, 0.0055580) |
| Sulawesi Tenggara | Interpersonal violence                        | 50  | 46.6 (18.5, 90.3)          | 0.001022 (0.0004045, 0.0019770) | 26.7 (10.3, 53.3)          | 0.000586 (0.0002260, 0.0011697) |
| Sulawesi Tenggara | Self-harm                                     | 50  | 78.2 (28.3, 166.5)         | 0.001712 (0.0006208, 0.0036464) | 32.6 (11.7, 68.6)          | 0.000716 (0.0002563, 0.0015058) |
| Sulawesi Tenggara | Transport injuries                            | 50  | 524.5 (250.6, 912.0)       | 0.011488 (0.0054889, 0.0199764) | 256.1 (117.5, 485.2)       | 0.005623 (0.0025797, 0.0106530) |
| Sulawesi Tenggara | Other unintentional injuries                  | 50  | 241.2 (109.9, 451.6)       | 0.005282 (0.0024069, 0.0098928) | 116.7 (52.5, 218.2)        | 0.002561 (0.0011529, 0.0047919) |
| Sulawesi Tenggara | Diarrheal diseases                            | 55  | 207.5 (80.8, 396.7)        | 0.006412 (0.0024957, 0.0122554) | 335.4 (139.7, 581.4)       | 0.011564 (0.0048148, 0.0200447) |
| Sulawesi Tenggara | HIV/AIDS                                      | 55  | 9.9 (1.7, 30.5)            | 0.000306 (0.0000512, 0.0009412) | 10.5 (1.9, 35.2)           | 0.000363 (0.0000654, 0.0012144) |
| Sulawesi Tenggara | Lower respiratory infections                  | 55  | 174.0 (56.1, 373.0)        | 0.005377 (0.0017343, 0.0115240) | 199.6 (71.3, 403.1)        | 0.006881 (0.0024577, 0.0138980) |
| Sulawesi Tenggara | Malaria                                       | 55  | 55.4 (3.5, 215.8)          | 0.001712 (0.0001084, 0.0066667) | 38.7 (2.5, 169.4)          | 0.001333 (0.0000854, 0.0058413) |
| Sulawesi Tenggara | Tuberculosis                                  | 55  | 1,328.4 (768.0, 2,049.6)   | 0.041044 (0.0237290, 0.0633235) | 808.0 (437.9, 1,305.8)     | 0.027858 (0.0150972, 0.0450176) |
| Sulawesi Tenggara | Other communicable diseases                   | 55  | 235.3 (95.7, 456.3)        | 0.007270 (0.0029555, 0.0140991) | 311.5 (137.8, 572.5)       | 0.010739 (0.0047498, 0.0197394) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-------------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                   |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 55  | 168.2 (51.8, 375.6)        | 0.005196 (0.0016010, 0.0116057) | 45.9 (12.9, 111.1)         | 0.001584 (0.0004440, 0.0038290) |
| Sulawesi Tenggara | Breast cancer                                 | 55  | 11.7 (2.5, 32.6)           | 0.000362 (0.0000771, 0.0010066) | 402.5 (151.0, 795.4)       | 0.013878 (0.0052046, 0.0274226) |
| Sulawesi Tenggara | Cervical cancer                               | 55  |                            |                                 | 270.1 (68.1, 667.5)        | 0.009313 (0.0023486, 0.0230119) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 55  | 464.0 (214.3, 859.5)       | 0.014335 (0.0066219, 0.0265542) | 321.8 (121.1, 652.4)       | 0.011094 (0.0041741, 0.0224910) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 55  | 2,960.6 (2,058.1, 4,085.5) | 0.091470 (0.0635888, 0.1262256) | 3,062.0 (2,233.8, 4,037.6) | 0.105568 (0.0770136, 0.1392020) |
| Sulawesi Tenggara | Ischemic heart disease                        | 55  | 2,515.7 (1,664.0, 3,599.9) | 0.077726 (0.0514114, 0.1112233) | 1,426.2 (854.4, 2,155.1)   | 0.049171 (0.0294554, 0.0743013) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 55  | 564.1 (264.0, 1,091.6)     | 0.017428 (0.0081574, 0.0337254) | 618.9 (307.5, 1,107.0)     | 0.021338 (0.0106011, 0.0381650) |
| Sulawesi Tenggara | Diabetes mellitus                             | 55  | 2,071.4 (1,308.1, 2,982.8) | 0.063999 (0.0404167, 0.0921585) | 2,163.0 (1,486.0, 3,032.5) | 0.074572 (0.0512320, 0.1045495) |
| Sulawesi Tenggara | Chronic kidney disease                        | 55  | 415.1 (268.7, 601.4)       | 0.012824 (0.0083018, 0.0185797) | 340.3 (220.0, 503.9)       | 0.011734 (0.0075834, 0.0173717) |
| Sulawesi Tenggara | Cirrhosis                                     | 55  | 843.7 (439.5, 1,520.2)     | 0.026068 (0.0135791, 0.0469691) | 544.5 (305.6, 906.9)       | 0.018773 (0.0105366, 0.0312682) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 55  | 873.5 (464.3, 1,398.0)     | 0.026987 (0.0143462, 0.0431922) | 615.8 (336.0, 992.4)       | 0.021230 (0.0115825, 0.0342156) |
| Sulawesi Tenggara | Other non-communicable diseases               | 55  | 998.9 (624.1, 1,504.1)     | 0.030862 (0.0192824, 0.0464712) | 998.6 (642.0, 1,499.9)     | 0.034429 (0.0221339, 0.0517102) |
| Sulawesi Tenggara | Drowning                                      | 55  | 27.5 (6.3, 74.4)           | 0.000850 (0.0001958, 0.0022979) | 22.9 (4.4, 64.9)           | 0.000791 (0.0001529, 0.0022384) |
| Sulawesi Tenggara | Falls                                         | 55  | 145.3 (54.0, 288.8)        | 0.004490 (0.0016699, 0.0089233) | 116.5 (48.3, 227.4)        | 0.004016 (0.0016645, 0.0078396) |
| Sulawesi Tenggara | Interpersonal violence                        | 55  | 29.2 (11.5, 56.7)          | 0.000901 (0.0003556, 0.0017520) | 14.9 (5.6, 30.7)           | 0.000514 (0.0001944, 0.0010600) |
| Sulawesi Tenggara | Self-harm                                     | 55  | 54.8 (20.1, 111.2)         | 0.001692 (0.0006216, 0.0034347) | 20.0 (7.5, 42.1)           | 0.000691 (0.0002590, 0.0014508) |
| Sulawesi Tenggara | Transport injuries                            | 55  | 311.4 (146.5, 587.0)       | 0.009621 (0.0045255, 0.0181375) | 144.2 (62.4, 291.4)        | 0.004971 (0.0021518, 0.0100471) |
| Sulawesi Tenggara | Other unintentional injuries                  | 55  | 167.3 (75.5, 301.1)        | 0.005169 (0.0023325, 0.0093019) | 74.9 (33.7, 141.2)         | 0.002584 (0.0011610, 0.0048692) |
| Sulawesi Tenggara | Diarrheal diseases                            | 60  | 234.2 (91.6, 434.0)        | 0.010215 (0.0039935, 0.0189276) | 419.5 (180.9, 737.6)       | 0.016762 (0.0072300, 0.0294757) |
| Sulawesi Tenggara | HIV/AIDS                                      | 60  | 6.7 (1.0, 20.5)            | 0.000292 (0.0000435, 0.0008934) | 8.1 (1.3, 24.5)            | 0.000322 (0.0000527, 0.0009803) |
| Sulawesi Tenggara | Lower respiratory infections                  | 60  | 243.5 (83.0, 495.2)        | 0.010620 (0.0036218, 0.0215965) | 321.4 (118.9, 621.4)       | 0.012843 (0.0047503, 0.0248330) |
| Sulawesi Tenggara | Malaria                                       | 60  | 52.3 (3.4, 213.8)          | 0.002282 (0.0001465, 0.0093233) | 40.7 (2.5, 180.2)          | 0.001625 (0.0001007, 0.0072008) |
| Sulawesi Tenggara | Tuberculosis                                  | 60  | 1,425.5 (832.1, 2,173.4)   | 0.062168 (0.0362891, 0.0947827) | 1,009.6 (550.8, 1,585.3)   | 0.040346 (0.0220114, 0.0633483) |
| Sulawesi Tenggara | Other communicable diseases                   | 60  | 198.3 (79.1, 398.1)        | 0.008648 (0.0034512, 0.0173595) | 291.3 (124.1, 537.1)       | 0.011639 (0.0049576, 0.0214636) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 60  | 148.1 (44.3, 342.3)        | 0.006459 (0.0019301, 0.0149284) | 45.0 (12.8, 111.2)         | 0.001798 (0.0005128, 0.0044417) |
| Sulawesi Tenggara | Breast cancer                                 | 60  | 9.3 (1.8, 26.7)            | 0.000407 (0.0000801, 0.0011628) | 297.5 (100.6, 608.5)       | 0.011888 (0.0040186, 0.0243174) |
| Sulawesi Tenggara | Cervical cancer                               | 60  |                            |                                 | 246.9 (62.1, 639.8)        | 0.009866 (0.0024832, 0.0255688) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 60  | 400.0 (184.0, 739.8)       | 0.017444 (0.0080240, 0.0322624) | 339.4 (128.5, 697.1)       | 0.013561 (0.0051344, 0.0278548) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 60  | 3,189.1 (2,281.5, 4,253.7) | 0.139077 (0.0994979, 0.1855047) | 3,778.5 (2,818.0, 4,899.0) | 0.150992 (0.1126074, 0.1957683) |
| Sulawesi Tenggara | Ischemic heart disease                        | 60  | 2,340.7 (1,517.2, 3,377.6) | 0.102080 (0.0661673, 0.1472971) | 1,611.3 (983.4, 2,448.9)   | 0.064390 (0.0392958, 0.0978578) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 60  | 594.7 (275.0, 1,110.8)     | 0.025933 (0.0119942, 0.0484415) | 725.7 (355.8, 1,269.8)     | 0.029000 (0.0142173, 0.0507422) |
| Sulawesi Tenggara | Diabetes mellitus                             | 60  | 1,771.2 (1,062.9, 2,585.0) | 0.077244 (0.0463554, 0.1127332) | 2,131.7 (1,451.6, 2,982.8) | 0.085183 (0.0580054, 0.1191963) |
| Sulawesi Tenggara | Chronic kidney disease                        | 60  | 352.0 (226.5, 498.8)       | 0.015351 (0.0098777, 0.0217545) | 331.5 (218.3, 483.9)       | 0.013247 (0.0087232, 0.0193381) |
| Sulawesi Tenggara | Cirrhosis                                     | 60  | 727.5 (381.7, 1,314.9)     | 0.031728 (0.0166476, 0.0573428) | 538.6 (303.4, 894.4)       | 0.021523 (0.0121225, 0.0357425) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 60  | 1,177.6 (667.3, 1,790.1)   | 0.051357 (0.0291022, 0.0780664) | 898.9 (514.0, 1,369.8)     | 0.035919 (0.0205398, 0.0547394) |
| Sulawesi Tenggara | Other non-communicable diseases               | 60  | 1,089.1 (677.5, 1,630.1)   | 0.047495 (0.0295471, 0.0710876) | 1,231.2 (809.7, 1,808.6)   | 0.049199 (0.0323577, 0.0722745) |
| Sulawesi Tenggara | Drowning                                      | 60  | 24.1 (4.9, 66.6)           | 0.001053 (0.0002155, 0.0029057) | 22.9 (4.1, 67.4)           | 0.000916 (0.0001628, 0.0026942) |
| Sulawesi Tenggara | Falls                                         | 60  | 133.8 (49.3, 267.2)        | 0.005833 (0.0021500, 0.0116543) | 120.3 (49.9, 229.1)        | 0.004807 (0.0019941, 0.0091534) |
| Sulawesi Tenggara | Interpersonal violence                        | 60  | 18.2 (7.1, 37.1)           | 0.000792 (0.0003103, 0.0016170) | 10.5 (3.8, 22.7)           | 0.000420 (0.0001526, 0.0009087) |
| Sulawesi Tenggara | Self-harm                                     | 60  | 37.6 (14.3, 79.9)          | 0.001640 (0.0006252, 0.0034860) | 15.4 (5.6, 32.9)           | 0.000617 (0.0002256, 0.0013156) |
| Sulawesi Tenggara | Transport injuries                            | 60  | 270.1 (127.2, 505.2)       | 0.011779 (0.0055465, 0.0220319) | 139.9 (60.9, 272.1)        | 0.005590 (0.0024346, 0.0108748) |
| Sulawesi Tenggara | Other unintentional injuries                  | 60  | 133.3 (61.8, 243.2)        | 0.005815 (0.0026967, 0.0106082) | 67.0 (30.7, 130.1)         | 0.002676 (0.0012248, 0.0051973) |
| Sulawesi Tenggara | Diarrheal diseases                            | 65  | 342.8 (155.5, 623.0)       | 0.020081 (0.0091102, 0.0364887) | 560.9 (273.4, 927.5)       | 0.031704 (0.0154548, 0.0524289) |
| Sulawesi Tenggara | HIV/AIDS                                      | 65  | 5.6 (1.0, 17.1)            | 0.000331 (0.0000578, 0.0010021) | 6.5 (1.2, 19.5)            | 0.000367 (0.0000678, 0.0011009) |
| Sulawesi Tenggara | Lower respiratory infections                  | 65  | 269.0 (96.8, 537.2)        | 0.015755 (0.0056688, 0.0314660) | 329.8 (131.8, 636.3)       | 0.018644 (0.0074506, 0.0359693) |
| Sulawesi Tenggara | Malaria                                       | 65  | 43.9 (2.8, 183.9)          | 0.002574 (0.0001650, 0.0107730) | 32.3 (2.1, 139.3)          | 0.001823 (0.0001179, 0.0078759) |
| Sulawesi Tenggara | Tuberculosis                                  | 65  | 1,252.2 (736.1, 1,936.8)   | 0.073340 (0.0431137, 0.1134425) | 866.2 (449.8, 1,395.0)     | 0.048960 (0.0254245, 0.0788514) |
| Sulawesi Tenggara | Other communicable diseases                   | 65  | 179.1 (70.9, 357.1)        | 0.010487 (0.0041547, 0.0209149) | 237.6 (100.0, 454.8)       | 0.013432 (0.0056518, 0.0257096) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 65  | 109.2 (31.4, 251.6)        | 0.006397 (0.0018410, 0.0147336) | 29.6 (8.7, 72.4)           | 0.001674 (0.0004917, 0.0040943) |
| Sulawesi Tenggara | Breast cancer                                 | 65  | 5.5 (0.9, 16.7)            | 0.000324 (0.0000542, 0.0009769) | 177.2 (61.1, 384.3)        | 0.010016 (0.0034512, 0.0217232) |
| Sulawesi Tenggara | Cervical cancer                               | 65  |                            |                                 | 155.6 (39.0, 397.6)        | 0.008798 (0.0022030, 0.0224740) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 65  | 259.2 (118.0, 472.8)       | 0.015180 (0.0069092, 0.0276950) | 276.8 (110.0, 566.4)       | 0.015647 (0.0062189, 0.0320143) |

Aim 2 Supplementary Tables

| Location          | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|-------------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|                   |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Sulawesi Tenggara | Cerebrovascular disease                       | 65  | 2,972.4       | (2,106.1, 3,976.9) | 0.174093                 | (0.1233556, 0.2329325) | 3,557.4       | (2,723.2, 4,509.2) | 0.201082                 | (0.1539281, 0.2548819) |
| Sulawesi Tenggara | Ischemic heart disease                        | 65  | 1,973.2       | (1,273.5, 2,880.7) | 0.115574                 | (0.0745882, 0.1687261) | 1,385.7       | (843.6, 2,078.6)   | 0.078326                 | (0.0476864, 0.1174959) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 65  | 563.5         | (267.1, 1,020.2)   | 0.033007                 | (0.0156424, 0.0597527) | 707.8         | (346.4, 1,242.8)   | 0.040008                 | (0.0195822, 0.0702508) |
| Sulawesi Tenggara | Diabetes mellitus                             | 65  | 1,232.6       | (733.9, 1,823.0)   | 0.072192                 | (0.0429878, 0.1067757) | 1,545.9       | (1,028.1, 2,169.1) | 0.087385                 | (0.0581133, 0.1226069) |
| Sulawesi Tenggara | Chronic kidney disease                        | 65  | 273.7         | (176.8, 392.7)     | 0.016029                 | (0.0103533, 0.0229989) | 270.5         | (179.1, 396.2)     | 0.015292                 | (0.0101223, 0.0223977) |
| Sulawesi Tenggara | Cirrhosis                                     | 65  | 519.6         | (266.1, 940.7)     | 0.030434                 | (0.0155842, 0.0550971) | 388.8         | (216.7, 639.1)     | 0.021974                 | (0.0122482, 0.0361228) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 65  | 1,114.4       | (641.1, 1,688.4)   | 0.065269                 | (0.0375479, 0.0988898) | 876.9         | (525.1, 1,320.0)   | 0.049568                 | (0.0296794, 0.0746112) |
| Sulawesi Tenggara | Other non-communicable diseases               | 65  | 1,070.9       | (662.0, 1,573.2)   | 0.062725                 | (0.0387716, 0.0921442) | 1,233.9       | (812.9, 1,765.0)   | 0.069746                 | (0.0459495, 0.0997664) |
| Sulawesi Tenggara | Drowning                                      | 65  | 20.5          | (4.0, 58.1)        | 0.001202                 | (0.0002370, 0.0034033) | 17.6          | (3.5, 50.9)        | 0.000998                 | (0.0001969, 0.0028778) |
| Sulawesi Tenggara | Falls                                         | 65  | 136.1         | (52.5, 264.8)      | 0.007969                 | (0.0030767, 0.0155080) | 113.5         | (47.9, 214.5)      | 0.006415                 | (0.0027077, 0.0121272) |
| Sulawesi Tenggara | Interpersonal violence                        | 65  | 11.3          | (4.1, 23.7)        | 0.000660                 | (0.0002379, 0.0013906) | 6.6           | (2.2, 15.1)        | 0.000371                 | (0.0001269, 0.0008528) |
| Sulawesi Tenggara | Self-harm                                     | 65  | 25.8          | (10.0, 55.8)       | 0.001512                 | (0.0005841, 0.0032703) | 10.8          | (3.9, 24.1)        | 0.000610                 | (0.0002204, 0.0013640) |
| Sulawesi Tenggara | Transport injuries                            | 65  | 207.6         | (92.5, 388.3)      | 0.012161                 | (0.0054189, 0.0227422) | 101.8         | (42.2, 204.8)      | 0.005753                 | (0.0023830, 0.0115790) |
| Sulawesi Tenggara | Other unintentional injuries                  | 65  | 106.2         | (46.0, 199.2)      | 0.006221                 | (0.0026948, 0.0116645) | 51.8          | (22.8, 106.2)      | 0.002926                 | (0.0012888, 0.0060048) |
| Sulawesi Tenggara | Diarrheal diseases                            | 70  | 396.2         | (199.3, 682.0)     | 0.035582                 | (0.0178995, 0.0612499) | 712.3         | (372.3, 1,131.6)   | 0.051951                 | (0.0271574, 0.0825373) |
| Sulawesi Tenggara | HIV/AIDS                                      | 70  | 6.3           | (1.2, 19.6)        | 0.000562                 | (0.0001034, 0.0017570) | 8.1           | (1.5, 25.2)        | 0.000592                 | (0.0001112, 0.0018354) |
| Sulawesi Tenggara | Lower respiratory infections                  | 70  | 288.9         | (103.6, 573.7)     | 0.025942                 | (0.0093008, 0.0515248) | 406.8         | (164.6, 745.0)     | 0.029671                 | (0.0120035, 0.0543372) |
| Sulawesi Tenggara | Malaria                                       | 70  | 33.1          | (2.0, 141.3)       | 0.002977                 | (0.0001817, 0.0126867) | 26.6          | (1.7, 132.5)       | 0.001943                 | (0.0001272, 0.0096645) |
| Sulawesi Tenggara | Tuberculosis                                  | 70  | 1,051.2       | (593.7, 1,634.8)   | 0.094406                 | (0.0533162, 0.1468160) | 844.6         | (441.5, 1,343.7)   | 0.061603                 | (0.0322001, 0.0980066) |
| Sulawesi Tenggara | Other communicable diseases                   | 70  | 156.3         | (64.2, 309.8)      | 0.014036                 | (0.0057701, 0.0278215) | 228.5         | (96.7, 445.2)      | 0.016666                 | (0.0070529, 0.0324709) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 70  | 77.1          | (21.9, 174.6)      | 0.006924                 | (0.0019638, 0.0156782) | 23.7          | (6.7, 58.0)        | 0.001730                 | (0.0004916, 0.0042286) |
| Sulawesi Tenggara | Breast cancer                                 | 70  | 3.1           | (0.5, 10.3)        | 0.000280                 | (0.0000416, 0.0009287) | 104.5         | (32.3, 235.6)      | 0.007619                 | (0.0023534, 0.0171832) |
| Sulawesi Tenggara | Cervical cancer                               | 70  |               |                    |                          |                        | 93.2          | (21.7, 255.4)      | 0.006800                 | (0.0015820, 0.0186273) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 70  | 157.3         | (70.1, 295.0)      | 0.014129                 | (0.0062923, 0.0264938) | 214.4         | (85.5, 419.2)      | 0.015639                 | (0.0062385, 0.0305757) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 70  | 2,487.5       | (1,785.6, 3,362.2) | 0.223398                 | (0.1603584, 0.3019562) | 3,577.8       | (2,764.5, 4,505.9) | 0.260958                 | (0.2016394, 0.3286484) |
| Sulawesi Tenggara | Ischemic heart disease                        | 70  | 1,546.2       | (977.7, 2,265.7)   | 0.138858                 | (0.0878085, 0.2034759) | 1,361.6       | (847.7, 2,060.9)   | 0.099314                 | (0.0618303, 0.1503181) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 70  | 499.9         | (239.0, 923.9)     | 0.044891                 | (0.0214672, 0.0829752) | 738.2         | (360.0, 1,284.4)   | 0.053844                 | (0.0262562, 0.0936805) |
| Sulawesi Tenggara | Diabetes mellitus                             | 70  | 752.3         | (438.0, 1,140.3)   | 0.067564                 | (0.0393351, 0.1024076) | 1,139.2       | (742.5, 1,613.6)   | 0.083091                 | (0.0541598, 0.1176898) |
| Sulawesi Tenggara | Chronic kidney disease                        | 70  | 191.3         | (123.5, 275.5)     | 0.017184                 | (0.0110894, 0.0247408) | 227.4         | (148.3, 333.4)     | 0.016586                 | (0.0108144, 0.0243172) |
| Sulawesi Tenggara | Cirrhosis                                     | 70  | 359.1         | (175.0, 657.3)     | 0.032248                 | (0.0157125, 0.0590282) | 321.5         | (177.8, 524.8)     | 0.023450                 | (0.0129684, 0.0382789) |
| Sulawesi Tenggara | Chronic respiratory diseases                  | 70  | 1,107.7       | (672.0, 1,628.2)   | 0.099484                 | (0.0603496, 0.1462278) | 1,008.7       | (623.7, 1,473.0)   | 0.073571                 | (0.0454879, 0.1074369) |
| Sulawesi Tenggara | Other non-communicable diseases               | 70  | 961.9         | (625.2, 1,413.7)   | 0.086384                 | (0.0561524, 0.1269581) | 1,318.9       | (891.5, 1,861.1)   | 0.096198                 | (0.0650259, 0.1357443) |
| Sulawesi Tenggara | Drowning                                      | 70  | 27.4          | (6.6, 74.3)        | 0.002465                 | (0.0005913, 0.0066751) | 26.7          | (5.5, 74.1)        | 0.001945                 | (0.0004020, 0.0054063) |
| Sulawesi Tenggara | Falls                                         | 70  | 119.9         | (44.0, 229.5)      | 0.010765                 | (0.0039514, 0.0206122) | 114.5         | (47.1, 214.6)      | 0.008351                 | (0.0034381, 0.0156519) |
| Sulawesi Tenggara | Interpersonal violence                        | 70  | 6.2           | (2.0, 13.7)        | 0.000555                 | (0.0001782, 0.0012311) | 4.1           | (1.3, 10.5)        | 0.000302                 | (0.0000926, 0.0007665) |
| Sulawesi Tenggara | Self-harm                                     | 70  | 16.6          | (6.2, 37.6)        | 0.001489                 | (0.0005608, 0.0033749) | 8.0           | (2.9, 17.9)        | 0.000583                 | (0.0002087, 0.0013089) |
| Sulawesi Tenggara | Transport injuries                            | 70  | 155.4         | (65.6, 298.4)      | 0.013956                 | (0.0058887, 0.0267951) | 87.3          | (35.0, 178.2)      | 0.006368                 | (0.0025519, 0.0129993) |
| Sulawesi Tenggara | Other unintentional injuries                  | 70  | 80.4          | (35.5, 153.3)      | 0.007219                 | (0.0031920, 0.0137689) | 45.1          | (18.5, 92.2)       | 0.003289                 | (0.0013523, 0.0067260) |
| Sulawesi Tenggara | Diarrheal diseases                            | 75  | 254.5         | (129.5, 422.3)     | 0.045728                 | (0.0232676, 0.0758708) | 559.2         | (303.6, 859.4)     | 0.073441                 | (0.0398790, 0.1128637) |
| Sulawesi Tenggara | HIV/AIDS                                      | 75  | 2.7           | (0.5, 8.2)         | 0.000479                 | (0.0000839, 0.0014805) | 4.1           | (0.7, 13.5)        | 0.000534                 | (0.0000981, 0.0017739) |
| Sulawesi Tenggara | Lower respiratory infections                  | 75  | 168.1         | (62.6, 330.2)      | 0.030197                 | (0.0112462, 0.0593195) | 287.4         | (123.0, 521.1)     | 0.037750                 | (0.0161490, 0.0684410) |
| Sulawesi Tenggara | Malaria                                       | 75  | 18.1          | (1.2, 76.9)        | 0.003256                 | (0.0002128, 0.0138214) | 16.8          | (1.1, 79.3)        | 0.002201                 | (0.0001468, 0.0104086) |
| Sulawesi Tenggara | Tuberculosis                                  | 75  | 493.8         | (268.4, 788.5)     | 0.088717                 | (0.0482119, 0.1416641) | 447.5         | (224.7, 735.2)     | 0.058767                 | (0.0295173, 0.0965585) |
| Sulawesi Tenggara | Other communicable diseases                   | 75  | 81.5          | (33.0, 163.6)      | 0.014651                 | (0.0059368, 0.0293870) | 149.0         | (63.2, 282.8)      | 0.019569                 | (0.0083055, 0.0371367) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer           | 75  | 33.1          | (9.2, 77.3)        | 0.005947                 | (0.0016524, 0.0138956) | 11.6          | (3.2, 27.8)        | 0.001519                 | (0.0004256, 0.0036556) |
| Sulawesi Tenggara | Breast cancer                                 | 75  | 1.1           | (0.1, 3.5)         | 0.000194                 | (0.0000259, 0.0006347) | 42.2          | (12.5, 99.4)       | 0.005537                 | (0.0016448, 0.0130524) |
| Sulawesi Tenggara | Cervical cancer                               | 75  |               |                    |                          |                        | 40.9          | (9.5, 114.8)       | 0.005378                 | (0.0012481, 0.0150806) |
| Sulawesi Tenggara | Other malignant neoplasms                     | 75  | 62.5          | (27.6, 118.5)      | 0.011224                 | (0.0049620, 0.0212862) | 117.1         | (46.1, 227.4)      | 0.015379                 | (0.0060610, 0.0298615) |
| Sulawesi Tenggara | Cerebrovascular disease                       | 75  | 1,329.4       | (953.9, 1,823.1)   | 0.238826                 | (0.1713682, 0.3275231) | 2,405.0       | (1,878.5, 2,972.5) | 0.315863                 | (0.2467164, 0.3903970) |
| Sulawesi Tenggara | Ischemic heart disease                        | 75  | 893.9         | (568.8, 1,320.4)   | 0.160593                 | (0.1021787, 0.2372153) | 968.6         | (602.1, 1,452.8)   | 0.127206                 | (0.0790719, 0.1908057) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases | 75  | 272.2         | (130.3, 520.3)     | 0.048909                 | (0.0234074, 0.0934763) | 495.2         | (243.2, 840.5)     | 0.065033                 | (0.0319472, 0.1103822) |
| Sulawesi Tenggara | Diabetes mellitus                             | 75  | 336.9         | (194.8, 513.6)     | 0.060534                 | (0.0349956, 0.0922646) | 627.0         | (402.2, 893.5)     | 0.082343                 | (0.0528258, 0.1173514) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|-------------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                   |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sulawesi Tenggara | Chronic kidney disease                                   | 75  | 90.5 (58.2, 132.1)            | 0.016262 (0.0104622, 0.0237240) | 129.7 (84.5, 191.1)           | 0.017031 (0.0110934, 0.0250964) |
| Sulawesi Tenggara | Cirrhosis                                                | 75  | 169.0 (80.9, 316.7)           | 0.030369 (0.0145410, 0.0569055) | 191.8 (107.0, 317.4)          | 0.025191 (0.0140573, 0.0416807) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 75  | 582.8 (353.7, 866.3)          | 0.104700 (0.0635492, 0.1556357) | 634.1 (387.6, 925.0)          | 0.083282 (0.0509022, 0.1214855) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 75  | 586.1 (381.6, 868.6)          | 0.105290 (0.0685550, 0.1560414) | 999.1 (691.9, 1,371.1)        | 0.131219 (0.0908724, 0.1800767) |
| Sulawesi Tenggara | Drowning                                                 | 75  | 20.5 (5.0, 53.4)              | 0.003681 (0.0008944, 0.0095961) | 25.8 (5.9, 68.8)              | 0.003391 (0.0007793, 0.0090416) |
| Sulawesi Tenggara | Falls                                                    | 75  | 76.4 (29.5, 147.1)            | 0.013727 (0.0052924, 0.0264270) | 91.2 (39.0, 169.1)            | 0.011975 (0.0051244, 0.0222120) |
| Sulawesi Tenggara | Interpersonal violence                                   | 75  | 2.4 (0.7, 6.3)                | 0.000439 (0.0001172, 0.0011284) | 1.8 (0.4, 5.5)                | 0.000239 (0.0000574, 0.0007246) |
| Sulawesi Tenggara | Self-harm                                                | 75  | 7.9 (2.9, 18.7)               | 0.001423 (0.0005149, 0.0033679) | 4.2 (1.4, 9.7)                | 0.000546 (0.0001848, 0.0012685) |
| Sulawesi Tenggara | Transport injuries                                       | 75  | 61.5 (23.3, 125.8)            | 0.011054 (0.0041791, 0.0225950) | 41.8 (15.1, 86.8)             | 0.005487 (0.0019804, 0.0114045) |
| Sulawesi Tenggara | Other unintentional injuries                             | 75  | 40.3 (17.2, 77.3)             | 0.007235 (0.0030949, 0.0138830) | 26.5 (10.7, 55.5)             | 0.003479 (0.0014073, 0.0072835) |
| Sulawesi Tenggara | Diarrheal diseases                                       | 80  | 706.5 (405.8, 1,080.1)        | 0.115208 (0.0661710, 0.1761379) | 1,478.7 (872.9, 2,181.1)      | 0.163959 (0.0967868, 0.2418344) |
| Sulawesi Tenggara | HIV/AIDS                                                 | 80  | 4.5 (0.7, 15.9)               | 0.000736 (0.0001159, 0.0025916) | 7.2 (1.1, 24.8)               | 0.000793 (0.0001250, 0.0027512) |
| Sulawesi Tenggara | Lower respiratory infections                             | 80  | 338.3 (142.7, 625.1)          | 0.055166 (0.0232788, 0.1019330) | 581.3 (258.7, 1,038.9)        | 0.064452 (0.0286829, 0.1151934) |
| Sulawesi Tenggara | Malaria                                                  | 80  | 31.3 (2.0, 143.9)             | 0.005110 (0.0003237, 0.0234679) | 31.2 (1.9, 145.3)             | 0.003460 (0.0002105, 0.0161106) |
| Sulawesi Tenggara | Tuberculosis                                             | 80  | 729.2 (391.9, 1,142.4)        | 0.118909 (0.0639138, 0.1863061) | 771.2 (381.3, 1,324.3)        | 0.085503 (0.0422758, 0.1468349) |
| Sulawesi Tenggara | Other communicable diseases                              | 80  | 159.0 (68.2, 301.0)           | 0.025924 (0.0111221, 0.0490909) | 267.9 (120.2, 501.4)          | 0.029699 (0.0133271, 0.0555965) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer                      | 80  | 37.6 (10.4, 87.4)             | 0.006128 (0.0016983, 0.0142601) | 16.4 (4.7, 39.2)              | 0.001818 (0.0005219, 0.0043441) |
| Sulawesi Tenggara | Breast cancer                                            | 80  | 1.2 (0.2, 4.2)                | 0.000190 (0.0000246, 0.0006793) | 49.2 (13.5, 121.4)            | 0.005454 (0.0015016, 0.0134640) |
| Sulawesi Tenggara | Cervical cancer                                          | 80  |                               |                                 | 40.8 (7.0, 117.0)             | 0.004526 (0.0007765, 0.0129715) |
| Sulawesi Tenggara | Other malignant neoplasms                                | 80  | 76.8 (35.6, 142.1)            | 0.012517 (0.0057993, 0.0231676) | 162.3 (63.4, 309.9)           | 0.017992 (0.0070278, 0.0343641) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | 80  | 2,062.9 (1,546.0, 2,667.1)    | 0.336422 (0.2521244, 0.4349512) | 4,160.2 (3,296.3, 5,160.6)    | 0.461267 (0.3654804, 0.5721916) |
| Sulawesi Tenggara | Ischemic heart disease                                   | 80  | 1,225.5 (797.4, 1,751.9)      | 0.199857 (0.1300363, 0.2857056) | 1,651.9 (1,057.3, 2,447.7)    | 0.183160 (0.1172344, 0.2713923) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | 80  | 387.9 (181.9, 701.9)          | 0.063251 (0.0296688, 0.1144578) | 791.7 (383.5, 1,362.9)        | 0.087783 (0.0425242, 0.1511093) |
| Sulawesi Tenggara | Diabetes mellitus                                        | 80  | 407.8 (230.0, 635.0)          | 0.066499 (0.0375055, 0.1035495) | 880.4 (557.4, 1,266.5)        | 0.097620 (0.0617974, 0.1404295) |
| Sulawesi Tenggara | Chronic kidney disease                                   | 80  | 110.3 (71.3, 160.3)           | 0.017982 (0.0116273, 0.0261334) | 188.8 (123.4, 277.5)          | 0.020936 (0.0136817, 0.0307706) |
| Sulawesi Tenggara | Cirrhosis                                                | 80  | 225.1 (106.8, 407.4)          | 0.036713 (0.0174140, 0.0664363) | 275.4 (148.1, 452.8)          | 0.030538 (0.0164169, 0.0502001) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | 80  | 900.3 (573.4, 1,292.1)        | 0.146815 (0.0935032, 0.2107098) | 1,070.8 (665.3, 1,544.3)      | 0.118728 (0.0737661, 0.1712232) |
| Sulawesi Tenggara | Other non-communicable diseases                          | 80  | 993.2 (672.7, 1,412.3)        | 0.161975 (0.1097005, 0.2303107) | 1,889.7 (1,335.6, 2,559.1)    | 0.209526 (0.1480869, 0.2837424) |
| Sulawesi Tenggara | Drowning                                                 | 80  | 34.2 (7.5, 96.3)              | 0.005574 (0.0012227, 0.0156981) | 37.6 (7.8, 104.9)             | 0.004166 (0.0008663, 0.0116353) |
| Sulawesi Tenggara | Falls                                                    | 80  | 160.3 (65.8, 291.5)           | 0.026141 (0.0107342, 0.0475422) | 180.9 (81.2, 321.8)           | 0.020053 (0.0090669, 0.0356771) |
| Sulawesi Tenggara | Interpersonal violence                                   | 80  | 2.6 (0.4, 7.9)                | 0.000430 (0.0000728, 0.0012881) | 2.3 (0.4, 7.4)                | 0.000258 (0.0000456, 0.0008212) |
| Sulawesi Tenggara | Self-harm                                                | 80  | 10.0 (3.3, 23.7)              | 0.001632 (0.0005443, 0.0038700) | 6.5 (2.0, 15.7)               | 0.000720 (0.0002259, 0.0017369) |
| Sulawesi Tenggara | Transport injuries                                       | 80  | 82.5 (29.2, 169.2)            | 0.013454 (0.0047691, 0.0276008) | 56.3 (18.4, 121.7)            | 0.006243 (0.0020409, 0.0134965) |
| Sulawesi Tenggara | Other unintentional injuries                             | 80  | 56.3 (23.4, 112.2)            | 0.009178 (0.0038200, 0.0182954) | 39.6 (14.8, 86.4)             | 0.004396 (0.0016416, 0.0095760) |
| Sulawesi Tenggara | Diarrheal diseases                                       | All | 9,677.1 (4,923.4, 15,584.5)   | 0.008028 (0.0040844, 0.0129287) | 11,966.1 (6,417.1, 18,803.0)  | 0.009963 (0.0053426, 0.0156546) |
| Sulawesi Tenggara | HIV/AIDS                                                 | All | 2,622.1 (693.8, 6,162.7)      | 0.002175 (0.0005755, 0.0051125) | 1,942.3 (513.3, 4,700.5)      | 0.001617 (0.0004274, 0.0039134) |
| Sulawesi Tenggara | Lower respiratory infections                             | All | 16,140.8 (9,037.0, 25,152.4)  | 0.013390 (0.0074970, 0.0208661) | 12,073.9 (6,692.0, 19,285.1)  | 0.010052 (0.0055715, 0.0160560) |
| Sulawesi Tenggara | Malaria                                                  | All | 1,651.2 (126.3, 6,802.8)      | 0.001370 (0.0001048, 0.0056435) | 1,185.4 (84.2, 4,757.5)       | 0.000987 (0.0000701, 0.0039609) |
| Sulawesi Tenggara | Tuberculosis                                             | All | 24,650.4 (14,997.4, 36,421.1) | 0.020450 (0.0124416, 0.0302145) | 15,829.0 (9,221.6, 24,464.4)  | 0.013179 (0.0076775, 0.0203680) |
| Sulawesi Tenggara | Maternal disorders                                       | All |                               |                                 | 2,057.4 (1,112.8, 3,549.0)    | 0.001713 (0.0009265, 0.0029547) |
| Sulawesi Tenggara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 18,997.1 (8,853.7, 32,322.7)  | 0.015760 (0.0073449, 0.0268144) | 12,591.1 (5,847.2, 22,313.8)  | 0.010483 (0.0048681, 0.0185775) |
| Sulawesi Tenggara | Preterm birth complications                              | All | 10,429.3 (4,077.1, 19,675.5)  | 0.008652 (0.0033823, 0.0163225) | 9,194.1 (3,707.8, 17,506.7)   | 0.007655 (0.0030869, 0.0145753) |
| Sulawesi Tenggara | Other neonatal disorders                                 | All | 14,496.7 (5,296.3, 27,820.6)  | 0.012026 (0.0043937, 0.0230796) | 9,371.3 (3,471.9, 18,338.0)   | 0.007802 (0.0028906, 0.0152675) |
| Sulawesi Tenggara | Other communicable diseases                              | All | 16,794.9 (9,938.2, 24,819.5)  | 0.013933 (0.0082446, 0.0205899) | 13,176.1 (7,678.2, 20,261.7)  | 0.010970 (0.0063926, 0.0168691) |
| Sulawesi Tenggara | Tracheal, bronchus, and lung cancer                      | All | 1,317.7 (405.9, 3,010.9)      | 0.001093 (0.0003367, 0.0024978) | 557.5 (160.8, 1,375.7)        | 0.000464 (0.0001339, 0.0011454) |
| Sulawesi Tenggara | Breast cancer                                            | All | 121.1 (25.8, 336.6)           | 0.000101 (0.0000214, 0.0002793) | 6,305.3 (2,670.2, 11,961.7)   | 0.005250 (0.0022231, 0.0099588) |
| Sulawesi Tenggara | Cervical cancer                                          | All |                               |                                 | 3,554.6 (962.8, 9,031.4)      | 0.002959 (0.0008016, 0.0075191) |
| Sulawesi Tenggara | Other malignant neoplasms                                | All | 9,416.2 (4,579.1, 16,447.8)   | 0.007812 (0.0037988, 0.0136449) | 8,012.6 (3,785.1, 14,267.4)   | 0.006671 (0.0031513, 0.0118784) |
| Sulawesi Tenggara | Cerebrovascular disease                                  | All | 26,038.6 (18,290.4, 36,043.0) | 0.021601 (0.0151735, 0.0299008) | 31,332.3 (23,323.5, 40,686.6) | 0.026086 (0.0194182, 0.0338740) |
| Sulawesi Tenggara | Ischemic heart disease                                   | All | 21,876.5 (14,145.1, 31,405.9) | 0.018149 (0.0117346, 0.0260539) | 15,067.1 (9,104.2, 22,890.3)  | 0.012544 (0.0075798, 0.0190575) |
| Sulawesi Tenggara | Other cardiovascular and circulatory diseases            | All | 5,873.8 (2,777.8, 11,028.5)   | 0.004873 (0.0023044, 0.0091491) | 7,388.1 (3,617.5, 12,951.0)   | 0.006151 (0.0030118, 0.0107824) |

Aim 2 Supplementary Tables

| Location          | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|-------------------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|                   |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
|                   |                                                          |     |               |                      |                          |                        |               |                      |                          |                        |
| Sulawesi Tenggara | Diabetes mellitus                                        | All | 14,430.9      | (8,686.9, 21,257.6)  | 0.011972                 | (0.0072065, 0.0176350) | 16,925.3      | (11,446.9, 24,285.8) | 0.014091                 | (0.0095302, 0.0202194) |
| Sulawesi Tenggara | Chronic kidney disease                                   | All | 5,628.7       | (3,640.3, 8,094.0)   | 0.004670                 | (0.0030199, 0.0067146) | 5,527.4       | (3,581.4, 8,148.9)   | 0.004602                 | (0.0029817, 0.0067844) |
| Sulawesi Tenggara | Cirrhosis                                                | All | 11,268.4      | (5,848.9, 20,028.5)  | 0.009348                 | (0.0048521, 0.0166154) | 6,966.4       | (3,960.0, 11,405.4)  | 0.005800                 | (0.0032969, 0.0094956) |
| Sulawesi Tenggara | Chronic respiratory diseases                             | All | 11,790.3      | (6,692.7, 18,247.8)  | 0.009781                 | (0.0055521, 0.0151382) | 9,113.8       | (5,223.2, 14,003.6)  | 0.007588                 | (0.0043486, 0.0116588) |
| Sulawesi Tenggara | Other non-communicable diseases                          | All | 27,983.1      | (19,210.0, 38,801.5) | 0.023214                 | (0.0159363, 0.0321892) | 29,120.3      | (20,731.1, 38,932.7) | 0.024244                 | (0.0172599, 0.0324137) |
| Sulawesi Tenggara | Drowning                                                 | All | 6,830.7       | (2,834.0, 12,855.5)  | 0.005667                 | (0.0023511, 0.0106648) | 2,468.7       | (872.1, 5,097.3)     | 0.002055                 | (0.0007261, 0.0042438) |
| Sulawesi Tenggara | Falls                                                    | All | 3,154.6       | (1,267.7, 5,820.0)   | 0.002617                 | (0.0010517, 0.0048282) | 1,848.1       | (773.4, 3,478.9)     | 0.001539                 | (0.0006439, 0.0028964) |
| Sulawesi Tenggara | Interpersonal violence                                   | All | 1,647.7       | (888.8, 2,918.5)     | 0.001367                 | (0.0007373, 0.0024212) | 1,122.6       | (544.1, 2,055.0)     | 0.000935                 | (0.0004530, 0.0017109) |
| Sulawesi Tenggara | Self-harm                                                | All | 1,688.7       | (740.3, 3,212.6)     | 0.001401                 | (0.0006141, 0.0026652) | 973.6         | (394.6, 1,861.7)     | 0.000811                 | (0.0003286, 0.0015500) |
| Sulawesi Tenggara | Transport injuries                                       | All | 20,108.4      | (12,474.9, 30,062.3) | 0.016682                 | (0.0103490, 0.0249393) | 7,584.8       | (4,171.3, 12,615.7)  | 0.006315                 | (0.0034729, 0.0105033) |
| Sulawesi Tenggara | Other unintentional injuries                             | All | 8,045.9       | (4,387.9, 12,791.5)  | 0.006675                 | (0.0036402, 0.0106117) | 3,302.6       | (1,642.8, 5,823.2)   | 0.002750                 | (0.0013677, 0.0048482) |
| Gorontalo         | Diarrheal diseases                                       | NN  | 400.4         | (161.8, 781.1)       | 0.412444                 | (0.1667145, 0.8046402) | 287.1         | (119.2, 586.8)       | 0.332512                 | (0.1381093, 0.6797384) |
| Gorontalo         | Lower respiratory infections                             | NN  | 2,718.4       | (1,296.7, 4,598.4)   | 2.800436                 | (1.3358430, 4.7370639) | 1,513.1       | (702.6, 2,728.9)     | 1.752673                 | (0.8138829, 3.1610999) |
| Gorontalo         | Malaria                                                  | NN  | 28.4          | (6.9, 75.6)          | 0.029215                 | (0.0071273, 0.0778898) | 14.5          | (3.4, 37.8)          | 0.016844                 | (0.0039278, 0.0437662) |
| Gorontalo         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 5,075.9       | (2,375.0, 8,574.8)   | 5.228963                 | (2.4466619, 8.8334570) | 3,111.9       | (1,448.0, 5,596.5)   | 3.604749                 | (1.6772790, 6.4827709) |
| Gorontalo         | Preterm birth complications                              | NN  | 3,138.6       | (1,328.1, 5,632.4)   | 3.233271                 | (1.3681090, 5.8022361) | 2,562.4       | (1,137.5, 4,729.1)   | 2.968186                 | (1.3176351, 5.4780312) |
| Gorontalo         | Other neonatal disorders                                 | NN  | 3,415.1       | (1,281.4, 6,627.7)   | 3.518070                 | (1.3200660, 6.8275542) | 2,012.7       | (718.1, 4,134.2)     | 2.331488                 | (0.8318141, 4.7888732) |
| Gorontalo         | Other communicable diseases                              | NN  | 213.4         | (83.9, 419.2)        | 0.219824                 | (0.0864193, 0.4318887) | 108.9         | (41.1, 224.1)        | 0.126114                 | (0.0476325, 0.2595731) |
| Gorontalo         | Other malignant neoplasms                                | NN  | 78.2          | (31.0, 154.4)        | 0.080567                 | (0.0319610, 0.1590346) | 53.9          | (20.6, 115.8)        | 0.062410                 | (0.0238753, 0.1340881) |
| Gorontalo         | Cerebrovascular disease                                  | NN  | 19.6          | (5.0, 50.7)          | 0.020191                 | (0.0051155, 0.0521822) | 17.8          | (4.5, 48.4)          | 0.020663                 | (0.0052440, 0.0560912) |
| Gorontalo         | Other cardiovascular and circulatory diseases            | NN  | 8.0           | (1.8, 22.2)          | 0.008244                 | (0.0018466, 0.0228248) | 7.0           | (1.6, 18.5)          | 0.008115                 | (0.0018580, 0.0214085) |
| Gorontalo         | Diabetes mellitus                                        | NN  | 4.9           | (0.0, 35.6)          | 0.005054                 | (0.0000216, 0.0366829) | 6.3           | (0.0, 52.0)          | 0.007293                 | (0.0000339, 0.0602610) |
| Gorontalo         | Other non-communicable diseases                          | NN  | 1,719.7       | (844.2, 2,779.7)     | 1.771599                 | (0.8696463, 2.8635740) | 1,358.6       | (689.8, 2,326.8)     | 1.573700                 | (0.7989937, 2.6953051) |
| Gorontalo         | Drowning                                                 | NN  | 177.6         | (63.4, 390.5)        | 0.182924                 | (0.0652827, 0.4022548) | 39.7          | (13.2, 90.5)         | 0.045975                 | (0.0152711, 0.1048345) |
| Gorontalo         | Falls                                                    | NN  | 52.4          | (14.9, 122.6)        | 0.053967                 | (0.0153939, 0.1263434) | 15.7          | (4.2, 37.9)          | 0.018214                 | (0.0049133, 0.0439030) |
| Gorontalo         | Interpersonal violence                                   | NN  | 23.7          | (6.7, 59.4)          | 0.024425                 | (0.0068688, 0.0611649) | 11.9          | (3.2, 29.1)          | 0.013738                 | (0.0037532, 0.0336747) |
| Gorontalo         | Transport injuries                                       | NN  | 57.7          | (19.6, 122.6)        | 0.059427                 | (0.0201686, 0.1263283) | 12.8          | (4.3, 29.2)          | 0.014854                 | (0.0049828, 0.0337926) |
| Gorontalo         | Other unintentional injuries                             | NN  | 189.3         | (72.2, 388.9)        | 0.194998                 | (0.0743922, 0.4006799) | 54.8          | (20.9, 114.8)        | 0.063436                 | (0.0241858, 0.1329979) |
| Gorontalo         | Diarrheal diseases                                       | PNN | 185.5         | (91.0, 326.4)        | 0.015309                 | (0.0075068, 0.0269374) | 198.6         | (98.6, 343.5)        | 0.018430                 | (0.0091515, 0.0318784) |
| Gorontalo         | HIV/AIDS                                                 | PNN | 3.6           | (0.8, 9.7)           | 0.000295                 | (0.0000656, 0.0008023) | 2.8           | (0.6, 8.3)           | 0.000265                 | (0.0000537, 0.0007719) |
| Gorontalo         | Lower respiratory infections                             | PNN | 96.9          | (47.7, 165.2)        | 0.007995                 | (0.0039369, 0.0136365) | 76.6          | (36.3, 134.7)        | 0.007106                 | (0.0033675, 0.0124986) |
| Gorontalo         | Malaria                                                  | PNN | 12.8          | (3.7, 33.0)          | 0.001056                 | (0.0003041, 0.0027203) | 9.9           | (2.6, 26.0)          | 0.000914                 | (0.0002421, 0.0024095) |
| Gorontalo         | Tuberculosis                                             | PNN | 38.1          | (17.3, 67.9)         | 0.003143                 | (0.0014300, 0.0056045) | 31.3          | (13.8, 56.7)         | 0.002902                 | (0.0012846, 0.0052651) |
| Gorontalo         | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 7.3           | (2.0, 18.6)          | 0.000599                 | (0.0001681, 0.0015327) | 6.0           | (1.7, 15.0)          | 0.000553                 | (0.0001577, 0.0013916) |
| Gorontalo         | Preterm birth complications                              | PNN | 9.9           | (3.4, 22.5)          | 0.000819                 | (0.0002771, 0.0018537) | 12.3          | (3.7, 28.5)          | 0.001142                 | (0.0003472, 0.0026448) |
| Gorontalo         | Other neonatal disorders                                 | PNN | 19.6          | (4.5, 50.6)          | 0.001621                 | (0.0003681, 0.0041775) | 15.8          | (3.7, 42.6)          | 0.001470                 | (0.0003398, 0.0039554) |
| Gorontalo         | Other communicable diseases                              | PNN | 109.8         | (54.1, 189.5)        | 0.009063                 | (0.0044622, 0.0156404) | 83.9          | (40.1, 144.9)        | 0.007790                 | (0.0037259, 0.0134468) |
| Gorontalo         | Other malignant neoplasms                                | PNN | 2.4           | (1.0, 4.8)           | 0.000197                 | (0.0000831, 0.0003923) | 2.3           | (0.9, 4.7)           | 0.000218                 | (0.0000870, 0.0004400) |
| Gorontalo         | Cerebrovascular disease                                  | PNN | 0.6           | (0.2, 1.5)           | 0.000050                 | (0.0000134, 0.0001229) | 0.8           | (0.2, 2.0)           | 0.000073                 | (0.0000177, 0.0001852) |
| Gorontalo         | Ischemic heart disease                                   | PNN | 0.2           | (0.0, 1.0)           | 0.000017                 | (0.0000012, 0.0000818) | 0.3           | (0.0, 1.2)           | 0.000024                 | (0.0000016, 0.0001146) |
| Gorontalo         | Other cardiovascular and circulatory diseases            | PNN | 0.2           | (0.1, 0.7)           | 0.000020                 | (0.0000047, 0.0000543) | 0.3           | (0.1, 0.8)           | 0.000029                 | (0.0000071, 0.0000774) |
| Gorontalo         | Diabetes mellitus                                        | PNN | 0.2           | (0.0, 1.2)           | 0.000013                 | (0.0000001, 0.0001014) | 0.3           | (0.0, 2.5)           | 0.000026                 | (0.0000001, 0.0002286) |
| Gorontalo         | Chronic kidney disease                                   | PNN | 3.6           | (1.3, 7.9)           | 0.000298                 | (0.0001078, 0.0006557) | 3.3           | (1.2, 7.0)           | 0.000310                 | (0.0001071, 0.0006481) |
| Gorontalo         | Other non-communicable diseases                          | PNN | 52.4          | (25.4, 86.0)         | 0.004324                 | (0.0020961, 0.0071005) | 59.0          | (29.1, 99.7)         | 0.005479                 | (0.0027053, 0.0092516) |
| Gorontalo         | Drowning                                                 | PNN | 6.6           | (2.5, 13.5)          | 0.000547                 | (0.0002102, 0.0011108) | 2.1           | (0.7, 4.4)           | 0.000195                 | (0.0000688, 0.0004121) |
| Gorontalo         | Falls                                                    | PNN | 1.9           | (0.6, 4.1)           | 0.000154                 | (0.0000503, 0.0003393) | 0.8           | (0.3, 1.8)           | 0.000074                 | (0.0000240, 0.0001703) |
| Gorontalo         | Interpersonal violence                                   | PNN | 0.8           | (0.2, 2.0)           | 0.000069                 | (0.0000203, 0.0001690) | 0.6           | (0.2, 1.4)           | 0.000055                 | (0.0000162, 0.0001345) |
| Gorontalo         | Transport injuries                                       | PNN | 2.1           | (0.8, 4.3)           | 0.000176                 | (0.0000666, 0.0003566) | 0.7           | (0.2, 1.4)           | 0.000062                 | (0.0000227, 0.0001333) |
| Gorontalo         | Other unintentional injuries                             | PNN | 6.7           | (2.7, 12.7)          | 0.000552                 | (0.0002267, 0.0010520) | 2.7           | (1.1, 5.3)           | 0.000254                 | (0.0001056, 0.0004882) |
| Gorontalo         | Diarrheal diseases                                       | 1   | 2,060.8       | (836.9, 4,284.9)     | 0.042733                 | (0.0173534, 0.0888524) | 2,001.2       | (875.4, 3,880.8)     | 0.044664                 | (0.0195376, 0.0866110) |



Aim 2 Supplementary Tables

| Location  | Cause group                                              | Age | Males                      |                                 | Females                  |                                 |
|-----------|----------------------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|           |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Gorontalo | HIV/AIDS                                                 | 1   | 76.0 (14.7, 220.4)         | 0.001576 (0.0003055, 0.0045713) | 56.7 (10.5, 171.9)       | 0.001266 (0.0002340, 0.0038359) |
| Gorontalo | Lower respiratory infections                             | 1   | 1,995.8 (799.2, 4,054.0)   | 0.041385 (0.0165732, 0.0840645) | 1,479.6 (606.4, 2,981.2) | 0.033021 (0.0135343, 0.0665336) |
| Gorontalo | Malaria                                                  | 1   | 116.5 (27.6, 317.1)        | 0.002415 (0.0005731, 0.0065761) | 81.4 (20.4, 211.9)       | 0.001818 (0.0004548, 0.0047302) |
| Gorontalo | Tuberculosis                                             | 1   | 855.7 (308.1, 1,895.1)     | 0.017745 (0.0063888, 0.0392970) | 658.5 (248.8, 1,400.1)   | 0.014696 (0.0055517, 0.0312473) |
| Gorontalo | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 85.4 (18.9, 252.9)         | 0.001770 (0.0003912, 0.0052434) | 60.1 (13.7, 167.2)       | 0.001341 (0.0003054, 0.0037321) |
| Gorontalo | Preterm birth complications                              | 1   | 22.7 (3.1, 84.3)           | 0.000470 (0.0000650, 0.0017479) | 24.5 (3.4, 83.6)         | 0.000547 (0.0000758, 0.0018668) |
| Gorontalo | Other neonatal disorders                                 | 1   | 34.3 (0.3, 230.5)          | 0.000711 (0.0000060, 0.0047799) | 24.0 (0.2, 181.0)        | 0.000535 (0.0000041, 0.0040402) |
| Gorontalo | Other communicable diseases                              | 1   | 2,736.6 (1,091.3, 5,556.6) | 0.056748 (0.0226301, 0.1152231) | 1,943.7 (804.9, 3,831.2) | 0.043380 (0.0179639, 0.0855060) |
| Gorontalo | Other malignant neoplasms                                | 1   | 31.2 (10.3, 70.4)          | 0.000647 (0.0002142, 0.0014602) | 32.4 (10.9, 73.8)        | 0.000723 (0.0002430, 0.0016469) |
| Gorontalo | Cerebrovascular disease                                  | 1   | 8.7 (1.9, 23.7)            | 0.000180 (0.0000399, 0.0004923) | 11.8 (2.9, 31.7)         | 0.000263 (0.0000637, 0.0007073) |
| Gorontalo | Ischemic heart disease                                   | 1   | 2.9 (0.2, 14.2)            | 0.000061 (0.0000038, 0.0002942) | 4.0 (0.3, 19.4)          | 0.000090 (0.0000056, 0.0004338) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 1   | 3.2 (0.7, 9.3)             | 0.000067 (0.0000144, 0.0001923) | 4.4 (1.0, 12.9)          | 0.000098 (0.0000227, 0.0002882) |
| Gorontalo | Diabetes mellitus                                        | 1   | 2.0 (0.0, 16.7)            | 0.000042 (0.0000002, 0.0003460) | 3.8 (0.0, 31.2)          | 0.000085 (0.0000004, 0.0006970) |
| Gorontalo | Chronic kidney disease                                   | 1   | 45.5 (14.7, 114.4)         | 0.000943 (0.0003045, 0.0023722) | 44.4 (14.3, 107.0)       | 0.000992 (0.0003200, 0.0023879) |
| Gorontalo | Cirrhosis                                                | 1   | 62.6 (18.4, 159.5)         | 0.001299 (0.0003821, 0.0033080) | 38.8 (11.2, 93.6)        | 0.000866 (0.0002497, 0.0020891) |
| Gorontalo | Chronic respiratory diseases                             | 1   | 249.3 (84.3, 572.0)        | 0.005170 (0.0017471, 0.0118609) | 115.9 (36.9, 275.1)      | 0.002587 (0.0008231, 0.0061397) |
| Gorontalo | Other non-communicable diseases                          | 1   | 685.3 (266.1, 1,396.8)     | 0.014210 (0.0055188, 0.0289654) | 816.1 (339.7, 1,622.3)   | 0.018214 (0.0075816, 0.0362066) |
| Gorontalo | Drowning                                                 | 1   | 403.4 (137.2, 864.3)       | 0.008365 (0.0028440, 0.0179225) | 122.5 (42.7, 261.3)      | 0.002735 (0.0009529, 0.0058320) |
| Gorontalo | Falls                                                    | 1   | 80.2 (22.2, 202.5)         | 0.001663 (0.0004598, 0.0041993) | 32.6 (8.9, 83.4)         | 0.000727 (0.0001993, 0.0018605) |
| Gorontalo | Interpersonal violence                                   | 1   | 28.9 (8.0, 74.1)           | 0.000599 (0.0001655, 0.0015366) | 19.5 (5.6, 50.4)         | 0.000436 (0.0001255, 0.0011250) |
| Gorontalo | Transport injuries                                       | 1   | 117.9 (37.4, 289.5)        | 0.002444 (0.0007757, 0.0060024) | 35.1 (11.2, 87.8)        | 0.000784 (0.0002496, 0.0019599) |
| Gorontalo | Other unintentional injuries                             | 1   | 247.1 (81.1, 547.4)        | 0.005123 (0.0016818, 0.0113515) | 95.7 (32.2, 221.8)       | 0.002135 (0.0007196, 0.0049492) |
| Gorontalo | Diarrheal diseases                                       | 5   | 981.4 (724.1, 1,254.3)     | 0.015815 (0.0116690, 0.0202140) | 1,007.4 (788.0, 1,235.6) | 0.016296 (0.0127475, 0.0199875) |
| Gorontalo | HIV/AIDS                                                 | 5   | 24.7 (5.1, 67.8)           | 0.000398 (0.0000828, 0.0010931) | 19.0 (3.9, 49.8)         | 0.000307 (0.0000628, 0.0008053) |
| Gorontalo | Lower respiratory infections                             | 5   | 614.4 (439.0, 813.0)       | 0.009902 (0.0070740, 0.0131019) | 473.8 (342.1, 625.2)     | 0.007664 (0.0055331, 0.0101140) |
| Gorontalo | Malaria                                                  | 5   | 55.1 (19.2, 122.8)         | 0.000887 (0.0003099, 0.0019790) | 40.7 (15.5, 84.3)        | 0.000658 (0.0002508, 0.0013641) |
| Gorontalo | Tuberculosis                                             | 5   | 373.8 (251.1, 528.8)       | 0.006024 (0.0040463, 0.0085216) | 300.0 (205.8, 412.4)     | 0.004853 (0.0033287, 0.0066708) |
| Gorontalo | Other communicable diseases                              | 5   | 1,279.6 (1,020.1, 1,578.0) | 0.020621 (0.0164394, 0.0254299) | 959.3 (752.0, 1,194.8)   | 0.015517 (0.0121650, 0.0193274) |
| Gorontalo | Other malignant neoplasms                                | 5   | 130.6 (80.0, 200.8)        | 0.002104 (0.0012896, 0.0032354) | 141.6 (89.2, 206.1)      | 0.002290 (0.0014436, 0.0033346) |
| Gorontalo | Cerebrovascular disease                                  | 5   | 25.3 (11.7, 46.9)          | 0.000408 (0.0001891, 0.0007552) | 35.7 (18.3, 60.2)        | 0.000578 (0.0002958, 0.0009741) |
| Gorontalo | Ischemic heart disease                                   | 5   | 10.0 (3.8, 21.2)           | 0.000161 (0.0000605, 0.0003418) | 14.0 (5.5, 27.4)         | 0.000226 (0.0000895, 0.0004438) |
| Gorontalo | Other cardiovascular and circulatory diseases            | 5   | 10.9 (4.4, 23.8)           | 0.000176 (0.0000709, 0.0003830) | 14.9 (6.8, 29.9)         | 0.000241 (0.0001092, 0.0004838) |
| Gorontalo | Diabetes mellitus                                        | 5   | 16.0 (6.2, 35.1)           | 0.000257 (0.0000998, 0.0005661) | 32.0 (12.7, 69.1)        | 0.000517 (0.0002049, 0.0011186) |
| Gorontalo | Chronic kidney disease                                   | 5   | 64.5 (33.1, 113.5)         | 0.001040 (0.0005337, 0.0018299) | 66.0 (34.5, 115.6)       | 0.001067 (0.0005583, 0.0018699) |
| Gorontalo | Cirrhosis                                                | 5   | 114.1 (64.9, 187.8)        | 0.001839 (0.0010461, 0.0030266) | 74.5 (41.3, 122.3)       | 0.001205 (0.0006676, 0.0019785) |
| Gorontalo | Chronic respiratory diseases                             | 5   | 136.0 (76.1, 225.3)        | 0.002191 (0.0012257, 0.0036304) | 64.7 (35.1, 111.9)       | 0.001047 (0.0005674, 0.0018099) |
| Gorontalo | Other non-communicable diseases                          | 5   | 440.9 (329.7, 561.5)       | 0.007106 (0.0053132, 0.0090489) | 548.8 (433.7, 675.5)     | 0.008877 (0.0070160, 0.0109278) |
| Gorontalo | Drowning                                                 | 5   | 929.1 (685.4, 1,179.6)     | 0.014973 (0.0110448, 0.0190094) | 383.8 (265.7, 505.1)     | 0.006209 (0.0042976, 0.0081711) |
| Gorontalo | Falls                                                    | 5   | 97.3 (44.9, 170.2)         | 0.001569 (0.0007244, 0.0027426) | 49.1 (21.9, 90.4)        | 0.000794 (0.0003535, 0.0014630) |
| Gorontalo | Interpersonal violence                                   | 5   | 15.9 (6.6, 31.6)           | 0.000256 (0.0001057, 0.0005095) | 13.2 (5.5, 26.6)         | 0.000213 (0.0000883, 0.0004296) |
| Gorontalo | Transport injuries                                       | 5   | 285.3 (171.1, 433.5)       | 0.004597 (0.0027567, 0.0069859) | 108.6 (58.4, 181.2)      | 0.001757 (0.0009445, 0.0029319) |
| Gorontalo | Other unintentional injuries                             | 5   | 157.3 (90.0, 265.2)        | 0.002535 (0.0014501, 0.0042742) | 76.1 (41.9, 135.4)       | 0.001231 (0.0006786, 0.0021910) |
| Gorontalo | Diarrheal diseases                                       | 10  | 426.2 (290.4, 590.7)       | 0.006964 (0.0047446, 0.0096518) | 525.4 (373.4, 704.7)     | 0.008974 (0.0063776, 0.0120365) |
| Gorontalo | HIV/AIDS                                                 | 10  | 15.2 (4.0, 38.4)           | 0.000248 (0.0000651, 0.0006267) | 14.1 (3.4, 35.5)         | 0.000241 (0.0000589, 0.0006058) |
| Gorontalo | Lower respiratory infections                             | 10  | 247.2 (165.7, 349.3)       | 0.004039 (0.0027071, 0.0057079) | 215.0 (144.3, 305.2)     | 0.003672 (0.0024650, 0.0052135) |
| Gorontalo | Malaria                                                  | 10  | 88.7 (42.8, 160.2)         | 0.001449 (0.0006990, 0.0026180) | 85.1 (41.6, 146.8)       | 0.001453 (0.0007102, 0.0025073) |
| Gorontalo | Tuberculosis                                             | 10  | 517.4 (394.3, 670.6)       | 0.008455 (0.0064423, 0.0109587) | 519.7 (390.1, 665.2)     | 0.008877 (0.0066633, 0.0113608) |
| Gorontalo | Maternal disorders                                       | 10  |                            |                                 | 17.3 (3.0, 44.5)         | 0.000296 (0.0000517, 0.0007604) |
| Gorontalo | Other communicable diseases                              | 10  | 812.3 (633.7, 1,012.1)     | 0.013274 (0.0103555, 0.0165389) | 693.4 (525.8, 883.6)     | 0.011842 (0.0089813, 0.0150909) |
| Gorontalo | Other malignant neoplasms                                | 10  | 145.6 (101.5, 200.4)       | 0.002379 (0.0016588, 0.0032738) | 207.3 (152.3, 277.1)     | 0.003541 (0.0026018, 0.0047329) |
| Gorontalo | Cerebrovascular disease                                  | 10  | 33.7 (19.7, 54.6)          | 0.000551 (0.0003225, 0.0008925) | 56.3 (35.0, 83.1)        | 0.000961 (0.0005970, 0.0014199) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                    |                                 | Females                |                                 |
|-----------|-----------------------------------------------|-----|--------------------------|---------------------------------|------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Gorontalo | Ischemic heart disease                        | 10  | 19.8 (11.4, 33.0)        | 0.000324 (0.0001856, 0.0005385) | 33.2 (20.4, 52.1)      | 0.000567 (0.0003488, 0.0008897) |
| Gorontalo | Other cardiovascular and circulatory diseases | 10  | 13.0 (6.6, 24.0)         | 0.000213 (0.0001075, 0.0003929) | 22.2 (12.0, 38.2)      | 0.000379 (0.0002048, 0.0006523) |
| Gorontalo | Diabetes mellitus                             | 10  | 17.7 (9.5, 30.2)         | 0.000289 (0.0001554, 0.0004934) | 44.5 (24.2, 75.4)      | 0.000760 (0.0004141, 0.0012884) |
| Gorontalo | Chronic kidney disease                        | 10  | 70.2 (43.8, 105.6)       | 0.001148 (0.0007150, 0.0017261) | 92.0 (57.5, 139.2)     | 0.001571 (0.0009818, 0.0023775) |
| Gorontalo | Cirrhosis                                     | 10  | 104.1 (68.0, 151.7)      | 0.001701 (0.0011105, 0.0024789) | 80.9 (52.6, 119.1)     | 0.001382 (0.0008987, 0.0020341) |
| Gorontalo | Chronic respiratory diseases                  | 10  | 157.3 (104.1, 224.8)     | 0.002570 (0.0017012, 0.0036735) | 98.4 (62.6, 148.3)     | 0.001681 (0.0010696, 0.0025325) |
| Gorontalo | Other non-communicable diseases               | 10  | 416.7 (335.0, 509.7)     | 0.006808 (0.0054741, 0.0083289) | 623.3 (508.8, 753.3)   | 0.010646 (0.0086905, 0.0128659) |
| Gorontalo | Drowning                                      | 10  | 472.8 (326.4, 631.7)     | 0.007726 (0.0053336, 0.0103222) | 190.1 (109.9, 293.0)   | 0.003247 (0.0018778, 0.0050052) |
| Gorontalo | Falls                                         | 10  | 81.2 (38.1, 146.7)       | 0.001327 (0.0006224, 0.0023969) | 43.4 (20.4, 82.2)      | 0.000741 (0.0003483, 0.0014037) |
| Gorontalo | Interpersonal violence                        | 10  | 22.2 (11.8, 39.7)        | 0.000363 (0.0001931, 0.0006480) | 23.0 (12.5, 39.2)      | 0.000393 (0.0002135, 0.0006697) |
| Gorontalo | Self-harm                                     | 10  | 51.0 (21.1, 103.5)       | 0.000833 (0.0003441, 0.0016913) | 46.1 (19.0, 89.7)      | 0.000788 (0.0003238, 0.0015328) |
| Gorontalo | Transport injuries                            | 10  | 412.0 (282.8, 569.7)     | 0.006733 (0.0046210, 0.0093087) | 179.5 (115.3, 266.9)   | 0.003065 (0.0019688, 0.0045586) |
| Gorontalo | Other unintentional injuries                  | 10  | 143.2 (86.7, 216.7)      | 0.002339 (0.0014167, 0.0035412) | 80.5 (46.9, 130.3)     | 0.001374 (0.0008002, 0.0022256) |
| Gorontalo | Diarrheal diseases                            | 15  | 203.1 (118.3, 317.6)     | 0.003680 (0.0021425, 0.0057542) | 297.0 (177.3, 439.6)   | 0.005357 (0.0031976, 0.0079299) |
| Gorontalo | HIV/AIDS                                      | 15  | 9.7 (2.3, 23.5)          | 0.000175 (0.0000409, 0.0004263) | 11.3 (2.4, 31.1)       | 0.000204 (0.0000436, 0.0005609) |
| Gorontalo | Lower respiratory infections                  | 15  | 96.5 (59.7, 150.6)       | 0.001748 (0.0010820, 0.0027286) | 86.6 (53.4, 134.2)     | 0.001563 (0.0009633, 0.0024198) |
| Gorontalo | Malaria                                       | 15  | 139.6 (73.2, 228.3)      | 0.002529 (0.0013264, 0.0041352) | 189.3 (93.6, 318.8)    | 0.003415 (0.0016884, 0.0057504) |
| Gorontalo | Tuberculosis                                  | 15  | 563.4 (425.0, 731.8)     | 0.010207 (0.0076998, 0.0132564) | 688.5 (535.2, 896.1)   | 0.012419 (0.0096538, 0.0161634) |
| Gorontalo | Maternal disorders                            | 15  |                          |                                 | 421.4 (255.7, 649.1)   | 0.007602 (0.0046120, 0.0117075) |
| Gorontalo | Other communicable diseases                   | 15  | 495.8 (348.6, 666.4)     | 0.008981 (0.0063149, 0.0120727) | 467.3 (318.7, 650.7)   | 0.008429 (0.0057480, 0.0117365) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 15  | 5.5 (1.3, 15.9)          | 0.000101 (0.0000243, 0.0002883) | 5.4 (1.4, 13.0)        | 0.000098 (0.0000253, 0.0002337) |
| Gorontalo | Breast cancer                                 | 15  | 0.4 (0.0, 1.7)           | 0.000008 (0.0000009, 0.0000307) | 41.4 (13.3, 92.8)      | 0.000746 (0.0002390, 0.0016734) |
| Gorontalo | Cervical cancer                               | 15  |                          |                                 | 37.4 (12.0, 86.6)      | 0.000675 (0.0002169, 0.0015612) |
| Gorontalo | Other malignant neoplasms                     | 15  | 105.2 (71.7, 145.6)      | 0.001906 (0.0012985, 0.0026383) | 298.2 (202.5, 404.6)   | 0.005379 (0.0036517, 0.0072974) |
| Gorontalo | Cerebrovascular disease                       | 15  | 51.6 (30.5, 79.7)        | 0.000934 (0.0005528, 0.0014442) | 117.9 (73.8, 175.2)    | 0.002126 (0.0013309, 0.0031601) |
| Gorontalo | Ischemic heart disease                        | 15  | 49.5 (31.0, 75.0)        | 0.000897 (0.0005613, 0.0013590) | 100.0 (65.1, 148.7)    | 0.001803 (0.0011736, 0.0026829) |
| Gorontalo | Other cardiovascular and circulatory diseases | 15  | 15.0 (7.9, 26.3)         | 0.000272 (0.0001423, 0.0004764) | 42.5 (21.5, 75.4)      | 0.000766 (0.0003881, 0.0013602) |
| Gorontalo | Diabetes mellitus                             | 15  | 19.2 (10.3, 33.5)        | 0.000348 (0.0001865, 0.0006069) | 82.8 (46.1, 135.2)     | 0.001493 (0.0008314, 0.0024393) |
| Gorontalo | Chronic kidney disease                        | 15  | 66.7 (41.2, 106.3)       | 0.001208 (0.0007455, 0.0019262) | 156.0 (97.0, 248.0)    | 0.002815 (0.0017495, 0.0044736) |
| Gorontalo | Cirrhosis                                     | 15  | 98.4 (61.4, 149.3)       | 0.001783 (0.0011121, 0.0027050) | 119.7 (72.3, 179.9)    | 0.002159 (0.0013045, 0.0032450) |
| Gorontalo | Chronic respiratory diseases                  | 15  | 81.3 (50.7, 121.7)       | 0.001472 (0.0009179, 0.0022045) | 104.8 (63.7, 163.4)    | 0.001890 (0.0011481, 0.0029476) |
| Gorontalo | Other non-communicable diseases               | 15  | 390.6 (300.1, 501.1)     | 0.007075 (0.0054372, 0.0090768) | 871.6 (689.3, 1,067.0) | 0.015721 (0.0124323, 0.0192448) |
| Gorontalo | Drowning                                      | 15  | 323.4 (194.8, 498.8)     | 0.005858 (0.0035291, 0.0090363) | 152.2 (81.6, 251.4)    | 0.002746 (0.0014722, 0.0045340) |
| Gorontalo | Falls                                         | 15  | 82.6 (42.9, 140.4)       | 0.001497 (0.0007775, 0.0025443) | 59.6 (29.4, 103.4)     | 0.001076 (0.0005302, 0.0018649) |
| Gorontalo | Interpersonal violence                        | 15  | 38.5 (21.0, 66.2)        | 0.000698 (0.0003813, 0.0011996) | 73.6 (41.6, 123.6)     | 0.001327 (0.0007496, 0.0022286) |
| Gorontalo | Self-harm                                     | 15  | 69.5 (34.9, 126.7)       | 0.001260 (0.0006320, 0.0022947) | 122.6 (58.1, 210.0)    | 0.002210 (0.0010471, 0.0037883) |
| Gorontalo | Transport injuries                            | 15  | 1,207.2 (926.7, 1,523.6) | 0.021869 (0.0167869, 0.0276013) | 859.5 (641.4, 1,113.4) | 0.015503 (0.0115685, 0.0200831) |
| Gorontalo | Other unintentional injuries                  | 15  | 187.1 (118.7, 287.1)     | 0.003389 (0.0021511, 0.0052017) | 167.9 (101.5, 263.7)   | 0.003029 (0.0018302, 0.0047561) |
| Gorontalo | Diarrheal diseases                            | 20  | 151.9 (94.1, 233.0)      | 0.003620 (0.0022439, 0.0055530) | 223.1 (138.9, 333.4)   | 0.005207 (0.0032420, 0.0077822) |
| Gorontalo | HIV/AIDS                                      | 20  | 24.3 (6.8, 56.5)         | 0.000580 (0.0001626, 0.0013467) | 27.8 (7.7, 64.7)       | 0.000650 (0.0001805, 0.0015093) |
| Gorontalo | Lower respiratory infections                  | 20  | 68.2 (41.5, 104.2)       | 0.001626 (0.0009903, 0.0024839) | 56.8 (35.6, 89.7)      | 0.001326 (0.0008303, 0.0020943) |
| Gorontalo | Malaria                                       | 20  | 130.4 (67.2, 213.0)      | 0.003109 (0.0016027, 0.0050762) | 167.9 (85.8, 271.3)    | 0.003920 (0.0020036, 0.0063338) |
| Gorontalo | Tuberculosis                                  | 20  | 785.8 (616.4, 968.1)     | 0.018730 (0.0146934, 0.0230752) | 829.4 (642.7, 1,055.7) | 0.019362 (0.0150030, 0.0246434) |
| Gorontalo | Maternal disorders                            | 20  |                          |                                 | 653.6 (443.3, 906.7)   | 0.015259 (0.0103489, 0.0211661) |
| Gorontalo | Other communicable diseases                   | 20  | 479.8 (350.8, 647.0)     | 0.011437 (0.0083620, 0.0154234) | 460.5 (325.3, 622.6)   | 0.010749 (0.0075945, 0.0145329) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 20  | 3.6 (1.0, 9.2)           | 0.000085 (0.0000232, 0.0002196) | 7.1 (2.2, 15.8)        | 0.000165 (0.0000502, 0.0003687) |
| Gorontalo | Breast cancer                                 | 20  | 0.4 (0.1, 1.3)           | 0.000010 (0.0000021, 0.0000320) | 99.3 (51.3, 171.7)     | 0.002318 (0.0011981, 0.0040083) |
| Gorontalo | Cervical cancer                               | 20  |                          |                                 | 72.2 (30.8, 138.9)     | 0.001686 (0.0007184, 0.0032427) |
| Gorontalo | Other malignant neoplasms                     | 20  | 73.1 (48.5, 104.8)       | 0.001742 (0.0011561, 0.0024976) | 266.4 (176.5, 370.5)   | 0.006219 (0.0041198, 0.0086478) |
| Gorontalo | Cerebrovascular disease                       | 20  | 77.4 (52.7, 108.9)       | 0.001846 (0.0012554, 0.0025961) | 169.8 (121.4, 233.0)   | 0.003964 (0.0028343, 0.0054392) |
| Gorontalo | Ischemic heart disease                        | 20  | 71.8 (48.3, 105.3)       | 0.001712 (0.0011523, 0.0025106) | 107.5 (73.7, 147.1)    | 0.002509 (0.0017194, 0.0034329) |
| Gorontalo | Other cardiovascular and circulatory diseases | 20  | 18.3 (10.5, 30.9)        | 0.000435 (0.0002507, 0.0007376) | 55.3 (33.6, 84.2)      | 0.001291 (0.0007839, 0.0019662) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|-----------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Gorontalo | Diabetes mellitus                             | 20  | 13.7 (7.5, 22.4)         | 0.000327 (0.0001788, 0.0005344) | 64.4 (39.0, 104.0)         | 0.001502 (0.0009104, 0.0024267) |
| Gorontalo | Chronic kidney disease                        | 20  | 75.9 (49.9, 114.4)       | 0.001809 (0.0011904, 0.0027275) | 191.1 (129.5, 278.0)       | 0.004460 (0.0030222, 0.0064899) |
| Gorontalo | Cirrhosis                                     | 20  | 116.5 (76.6, 167.0)      | 0.002778 (0.0018266, 0.0039796) | 159.8 (106.2, 226.5)       | 0.003731 (0.0024792, 0.0052869) |
| Gorontalo | Chronic respiratory diseases                  | 20  | 119.1 (79.1, 168.9)      | 0.002838 (0.0018858, 0.0040268) | 220.6 (155.6, 306.0)       | 0.005150 (0.0036322, 0.0071436) |
| Gorontalo | Other non-communicable diseases               | 20  | 299.2 (225.0, 386.2)     | 0.007131 (0.0053632, 0.0092058) | 682.2 (527.4, 850.8)       | 0.015925 (0.0123106, 0.0198600) |
| Gorontalo | Drowning                                      | 20  | 187.1 (99.9, 291.1)      | 0.004461 (0.0023824, 0.0069380) | 86.6 (43.1, 150.2)         | 0.002021 (0.0010063, 0.0035073) |
| Gorontalo | Falls                                         | 20  | 63.6 (30.9, 109.5)       | 0.001515 (0.0007365, 0.0026093) | 44.4 (21.4, 80.6)          | 0.001036 (0.0005000, 0.0018813) |
| Gorontalo | Interpersonal violence                        | 20  | 34.4 (18.9, 63.0)        | 0.000821 (0.0004502, 0.0015023) | 58.0 (32.5, 96.3)          | 0.001354 (0.0007584, 0.0022480) |
| Gorontalo | Self-harm                                     | 20  | 52.5 (26.8, 90.3)        | 0.001252 (0.0006386, 0.0021536) | 81.1 (40.3, 140.5)         | 0.001892 (0.0009418, 0.0032804) |
| Gorontalo | Transport injuries                            | 20  | 734.1 (551.3, 962.5)     | 0.017498 (0.0131405, 0.0229416) | 467.7 (333.4, 623.6)       | 0.010917 (0.0077840, 0.0145576) |
| Gorontalo | Other unintentional injuries                  | 20  | 158.5 (99.1, 239.3)      | 0.003778 (0.0023628, 0.0057050) | 131.0 (79.9, 207.7)        | 0.003059 (0.0018645, 0.0048487) |
| Gorontalo | Diarrheal diseases                            | 25  | 228.0 (146.0, 341.4)     | 0.004931 (0.0031565, 0.0073836) | 386.6 (254.2, 573.3)       | 0.008140 (0.0053533, 0.0120712) |
| Gorontalo | HIV/AIDS                                      | 25  | 48.4 (14.4, 110.9)       | 0.001046 (0.0003110, 0.0023977) | 65.4 (18.6, 150.0)         | 0.001376 (0.0003920, 0.0031591) |
| Gorontalo | Lower respiratory infections                  | 25  | 76.5 (45.6, 119.3)       | 0.001654 (0.0009869, 0.0025806) | 73.8 (45.1, 114.1)         | 0.001554 (0.0009493, 0.0024014) |
| Gorontalo | Malaria                                       | 25  | 145.3 (75.2, 245.4)      | 0.003143 (0.0016272, 0.0053061) | 212.0 (110.1, 343.4)       | 0.004464 (0.0023175, 0.0072304) |
| Gorontalo | Tuberculosis                                  | 25  | 1,120.9 (904.9, 1,402.1) | 0.024240 (0.0195685, 0.0303209) | 1,349.4 (1,039.4, 1,715.6) | 0.028412 (0.0218851, 0.0361232) |
| Gorontalo | Maternal disorders                            | 25  |                          |                                 | 582.7 (379.0, 862.7)       | 0.012269 (0.0079800, 0.0181638) |
| Gorontalo | Other communicable diseases                   | 25  | 541.9 (401.5, 724.2)     | 0.011719 (0.0086820, 0.0156618) | 602.9 (418.8, 825.7)       | 0.012695 (0.0088184, 0.0173864) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 25  | 5.9 (1.8, 14.8)          | 0.000127 (0.0000393, 0.0003196) | 11.1 (3.6, 24.8)           | 0.000235 (0.0000759, 0.0005216) |
| Gorontalo | Breast cancer                                 | 25  | 0.5 (0.1, 1.5)           | 0.000012 (0.0000026, 0.0000326) | 230.1 (132.7, 357.3)       | 0.004844 (0.0027939, 0.0075238) |
| Gorontalo | Cervical cancer                               | 25  |                          |                                 | 140.6 (69.2, 258.9)        | 0.002961 (0.0014571, 0.0054523) |
| Gorontalo | Other malignant neoplasms                     | 25  | 105.1 (73.3, 146.7)      | 0.002273 (0.0015844, 0.0031725) | 328.4 (219.5, 468.6)       | 0.006916 (0.0046212, 0.0098667) |
| Gorontalo | Cerebrovascular disease                       | 25  | 159.6 (120.3, 209.1)     | 0.003452 (0.0026020, 0.0045211) | 343.9 (258.9, 451.1)       | 0.007241 (0.0054504, 0.0094972) |
| Gorontalo | Ischemic heart disease                        | 25  | 158.5 (115.9, 217.2)     | 0.003428 (0.0025054, 0.0046980) | 218.2 (158.3, 291.1)       | 0.004595 (0.0033323, 0.0061301) |
| Gorontalo | Other cardiovascular and circulatory diseases | 25  | 27.6 (17.0, 44.0)        | 0.000596 (0.0003680, 0.0009522) | 85.2 (54.2, 126.8)         | 0.001794 (0.0011402, 0.0026691) |
| Gorontalo | Diabetes mellitus                             | 25  | 25.4 (16.3, 37.7)        | 0.000549 (0.0003521, 0.0008154) | 118.3 (76.8, 172.9)        | 0.002490 (0.0016175, 0.0036410) |
| Gorontalo | Chronic kidney disease                        | 25  | 94.4 (65.3, 136.0)       | 0.002041 (0.0014124, 0.0029414) | 235.0 (162.0, 331.5)       | 0.004948 (0.0034101, 0.0069799) |
| Gorontalo | Cirrhosis                                     | 25  | 179.0 (127.1, 243.3)     | 0.003870 (0.0027494, 0.0052609) | 246.5 (166.7, 347.0)       | 0.005189 (0.0035102, 0.0073064) |
| Gorontalo | Chronic respiratory diseases                  | 25  | 157.4 (110.7, 218.8)     | 0.003403 (0.0023935, 0.0047310) | 314.0 (223.9, 431.2)       | 0.006612 (0.0047139, 0.0090784) |
| Gorontalo | Other non-communicable diseases               | 25  | 400.1 (314.2, 516.7)     | 0.008653 (0.0067958, 0.0111740) | 914.5 (703.1, 1,157.7)     | 0.019255 (0.0148032, 0.0243771) |
| Gorontalo | Drowning                                      | 25  | 134.1 (62.6, 237.3)      | 0.002901 (0.0013534, 0.0051320) | 57.4 (27.5, 105.2)         | 0.001208 (0.0005784, 0.0022148) |
| Gorontalo | Falls                                         | 25  | 95.9 (46.9, 168.4)       | 0.002074 (0.0010148, 0.0036418) | 62.8 (30.9, 105.8)         | 0.001322 (0.0006504, 0.0022287) |
| Gorontalo | Interpersonal violence                        | 25  | 35.8 (19.0, 64.5)        | 0.000775 (0.0004117, 0.0013942) | 55.0 (30.6, 92.3)          | 0.001159 (0.0006448, 0.0019443) |
| Gorontalo | Self-harm                                     | 25  | 50.3 (24.8, 85.9)        | 0.001088 (0.0005361, 0.0018581) | 70.4 (34.6, 125.3)         | 0.001483 (0.0007289, 0.0026381) |
| Gorontalo | Transport injuries                            | 25  | 502.6 (363.6, 685.8)     | 0.010868 (0.0078641, 0.0148316) | 281.3 (183.6, 399.1)       | 0.005924 (0.0038657, 0.0084032) |
| Gorontalo | Other unintentional injuries                  | 25  | 197.0 (123.5, 301.6)     | 0.004260 (0.0026702, 0.0065233) | 150.3 (91.9, 234.1)        | 0.003165 (0.0019344, 0.0049292) |
| Gorontalo | Diarrheal diseases                            | 30  | 238.9 (155.3, 347.1)     | 0.005242 (0.0034072, 0.0076163) | 400.1 (261.7, 578.1)       | 0.008869 (0.0058021, 0.0128156) |
| Gorontalo | HIV/AIDS                                      | 30  | 48.3 (14.5, 110.1)       | 0.001061 (0.0003190, 0.0024172) | 66.9 (19.7, 143.4)         | 0.001484 (0.0004370, 0.0031790) |
| Gorontalo | Lower respiratory infections                  | 30  | 71.6 (42.4, 114.0)       | 0.001572 (0.0009312, 0.0025012) | 70.9 (42.7, 109.8)         | 0.001572 (0.0009477, 0.0024342) |
| Gorontalo | Malaria                                       | 30  | 111.6 (56.0, 187.0)      | 0.002449 (0.0012280, 0.0041048) | 157.9 (81.2, 262.4)        | 0.003501 (0.0018010, 0.0058167) |
| Gorontalo | Tuberculosis                                  | 30  | 1,079.4 (858.9, 1,379.1) | 0.023687 (0.0188493, 0.0302643) | 1,307.8 (1,001.0, 1,683.5) | 0.028994 (0.0221932, 0.0373245) |
| Gorontalo | Maternal disorders                            | 30  |                          |                                 | 679.2 (445.0, 992.0)       | 0.015059 (0.0098669, 0.0219923) |
| Gorontalo | Other communicable diseases                   | 30  | 364.0 (258.3, 504.5)     | 0.007987 (0.0056687, 0.0110711) | 400.6 (264.8, 588.2)       | 0.008880 (0.0058696, 0.0130414) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 30  | 10.0 (2.9, 25.6)         | 0.000219 (0.0000642, 0.0005619) | 13.4 (4.6, 30.1)           | 0.000296 (0.0001031, 0.0006680) |
| Gorontalo | Breast cancer                                 | 30  | 0.7 (0.1, 2.2)           | 0.000015 (0.0000028, 0.0000483) | 352.9 (216.2, 517.8)       | 0.007825 (0.0047931, 0.0114797) |
| Gorontalo | Cervical cancer                               | 30  |                          |                                 | 217.3 (114.0, 368.3)       | 0.004817 (0.0025282, 0.0081658) |
| Gorontalo | Other malignant neoplasms                     | 30  | 132.2 (92.1, 183.7)      | 0.002901 (0.0020217, 0.0040324) | 332.2 (214.9, 480.2)       | 0.007366 (0.0047640, 0.0106462) |
| Gorontalo | Cerebrovascular disease                       | 30  | 265.6 (205.7, 352.2)     | 0.005829 (0.0045132, 0.0077302) | 592.4 (451.8, 772.4)       | 0.013133 (0.0100161, 0.0171253) |
| Gorontalo | Ischemic heart disease                        | 30  | 243.9 (179.9, 327.9)     | 0.005352 (0.0039474, 0.0071969) | 344.1 (252.7, 455.3)       | 0.007628 (0.0056018, 0.0100944) |
| Gorontalo | Other cardiovascular and circulatory diseases | 30  | 34.7 (21.8, 55.7)        | 0.000762 (0.0004773, 0.0012226) | 111.4 (71.8, 165.5)        | 0.002470 (0.0015914, 0.0036696) |
| Gorontalo | Diabetes mellitus                             | 30  | 42.0 (28.1, 60.3)        | 0.000921 (0.0006166, 0.0013243) | 197.3 (133.3, 273.1)       | 0.004374 (0.0029543, 0.0060538) |
| Gorontalo | Chronic kidney disease                        | 30  | 101.8 (70.0, 147.9)      | 0.002235 (0.0015368, 0.0032454) | 256.4 (177.2, 368.0)       | 0.005685 (0.0039291, 0.0081577) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|-----------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Gorontalo | Cirrhosis                                     | 30  | 238.1 (169.9, 324.2)     | 0.005224 (0.0037278, 0.0071153) | 337.1 (233.4, 462.4)       | 0.007473 (0.0051738, 0.0102505) |
| Gorontalo | Chronic respiratory diseases                  | 30  | 163.9 (115.1, 225.3)     | 0.003596 (0.0025253, 0.0049445) | 335.4 (241.7, 453.4)       | 0.007435 (0.0053576, 0.0100528) |
| Gorontalo | Other non-communicable diseases               | 30  | 434.3 (335.8, 567.2)     | 0.009530 (0.0073687, 0.0124479) | 1,031.8 (789.7, 1,328.6)   | 0.022876 (0.0175075, 0.0294566) |
| Gorontalo | Drowning                                      | 30  | 147.3 (76.3, 249.7)      | 0.003233 (0.0016755, 0.0054800) | 70.6 (34.8, 118.4)         | 0.001566 (0.0007722, 0.0026242) |
| Gorontalo | Falls                                         | 30  | 110.0 (55.8, 189.5)      | 0.002415 (0.0012248, 0.0041596) | 79.4 (40.0, 131.2)         | 0.001760 (0.0008866, 0.0029098) |
| Gorontalo | Interpersonal violence                        | 30  | 25.1 (13.1, 45.0)        | 0.000551 (0.0002867, 0.0009877) | 41.3 (22.7, 70.3)          | 0.000915 (0.0005024, 0.0015584) |
| Gorontalo | Self-harm                                     | 30  | 34.2 (16.7, 60.1)        | 0.000751 (0.0003657, 0.0013194) | 51.0 (25.4, 88.3)          | 0.001131 (0.0005627, 0.0019576) |
| Gorontalo | Transport injuries                            | 30  | 404.9 (282.4, 569.7)     | 0.008887 (0.0061977, 0.0125014) | 245.2 (158.9, 358.5)       | 0.005436 (0.0035234, 0.0079480) |
| Gorontalo | Other unintentional injuries                  | 30  | 167.6 (101.8, 258.2)     | 0.003678 (0.0022349, 0.0056652) | 138.3 (85.1, 219.1)        | 0.003067 (0.0018858, 0.0048585) |
| Gorontalo | Diarrheal diseases                            | 35  | 220.2 (142.3, 327.8)     | 0.004738 (0.0030608, 0.0070527) | 469.9 (303.3, 700.9)       | 0.010459 (0.0067506, 0.0155990) |
| Gorontalo | HIV/AIDS                                      | 35  | 42.7 (12.9, 106.9)       | 0.000919 (0.0002783, 0.0022992) | 74.7 (21.2, 168.9)         | 0.001664 (0.0004715, 0.0037591) |
| Gorontalo | Lower respiratory infections                  | 35  | 76.1 (45.5, 120.3)       | 0.001638 (0.0009791, 0.0025892) | 96.4 (57.4, 150.6)         | 0.002145 (0.0012771, 0.0033528) |
| Gorontalo | Malaria                                       | 35  | 103.9 (52.3, 182.5)      | 0.002236 (0.0011244, 0.0039261) | 186.1 (95.9, 307.7)        | 0.004141 (0.0021346, 0.0068478) |
| Gorontalo | Tuberculosis                                  | 35  | 1,173.2 (931.0, 1,514.5) | 0.025242 (0.0200305, 0.0325864) | 1,803.8 (1,365.9, 2,387.8) | 0.040146 (0.0303997, 0.0531428) |
| Gorontalo | Maternal disorders                            | 35  |                          |                                 | 474.9 (289.1, 740.6)       | 0.010570 (0.0064353, 0.0164840) |
| Gorontalo | Other communicable diseases                   | 35  | 338.6 (232.2, 464.5)     | 0.007286 (0.0049950, 0.0099941) | 473.7 (306.2, 691.8)       | 0.010543 (0.0068155, 0.0153961) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 35  | 7.4 (1.9, 19.3)          | 0.000160 (0.0000407, 0.0004152) | 20.2 (6.8, 42.9)           | 0.000451 (0.0001518, 0.0009554) |
| Gorontalo | Breast cancer                                 | 35  | 1.3 (0.3, 4.3)           | 0.000029 (0.0000057, 0.0000935) | 615.7 (383.8, 888.2)       | 0.013704 (0.0085423, 0.0197671) |
| Gorontalo | Cervical cancer                               | 35  |                          |                                 | 368.0 (195.8, 613.6)       | 0.008190 (0.0043572, 0.0136558) |
| Gorontalo | Other malignant neoplasms                     | 35  | 209.4 (148.1, 286.6)     | 0.004505 (0.0031865, 0.0061664) | 423.8 (267.9, 633.0)       | 0.009431 (0.0059617, 0.0140893) |
| Gorontalo | Cerebrovascular disease                       | 35  | 482.1 (372.9, 627.7)     | 0.010372 (0.0080234, 0.0135062) | 1,157.9 (866.4, 1,540.1)   | 0.025771 (0.0192831, 0.0342770) |
| Gorontalo | Ischemic heart disease                        | 35  | 395.6 (296.8, 517.3)     | 0.008511 (0.0063868, 0.0111293) | 622.1 (455.1, 838.4)       | 0.013845 (0.0101298, 0.0186592) |
| Gorontalo | Other cardiovascular and circulatory diseases | 35  | 52.1 (32.7, 80.7)        | 0.001120 (0.0007043, 0.0017357) | 177.4 (113.3, 267.1)       | 0.003948 (0.0025211, 0.0059453) |
| Gorontalo | Diabetes mellitus                             | 35  | 88.1 (61.3, 124.7)       | 0.001895 (0.0013180, 0.0026837) | 430.8 (300.0, 597.2)       | 0.009588 (0.0066773, 0.0132918) |
| Gorontalo | Chronic kidney disease                        | 35  | 135.1 (93.5, 197.0)      | 0.002906 (0.0020123, 0.0042387) | 356.3 (245.6, 504.2)       | 0.007929 (0.0054667, 0.0112206) |
| Gorontalo | Cirrhosis                                     | 35  | 330.6 (236.2, 446.6)     | 0.007112 (0.0050819, 0.0096079) | 493.0 (340.2, 685.8)       | 0.010972 (0.0075709, 0.0152636) |
| Gorontalo | Chronic respiratory diseases                  | 35  | 222.8 (162.7, 301.4)     | 0.004795 (0.0035011, 0.0064851) | 460.6 (324.9, 626.7)       | 0.010252 (0.0072318, 0.0139490) |
| Gorontalo | Other non-communicable diseases               | 35  | 522.5 (398.5, 683.4)     | 0.011242 (0.0085737, 0.0147033) | 1,331.9 (988.9, 1,751.0)   | 0.029643 (0.0220098, 0.0389706) |
| Gorontalo | Drowning                                      | 35  | 177.5 (101.1, 286.7)     | 0.003819 (0.0021759, 0.0061695) | 97.1 (49.1, 166.6)         | 0.002161 (0.0010930, 0.0037077) |
| Gorontalo | Falls                                         | 35  | 108.5 (54.8, 184.3)      | 0.002334 (0.0011786, 0.0039648) | 88.7 (42.8, 146.9)         | 0.001973 (0.0009531, 0.0032695) |
| Gorontalo | Interpersonal violence                        | 35  | 21.5 (11.3, 38.9)        | 0.000463 (0.0002427, 0.0008375) | 39.8 (21.2, 66.7)          | 0.000886 (0.0004717, 0.0014853) |
| Gorontalo | Self-harm                                     | 35  | 31.7 (14.9, 56.1)        | 0.000681 (0.0003214, 0.0012075) | 53.0 (26.6, 95.1)          | 0.001180 (0.0005922, 0.0021157) |
| Gorontalo | Transport injuries                            | 35  | 317.6 (213.3, 459.3)     | 0.006834 (0.0045903, 0.0098817) | 213.0 (131.2, 320.2)       | 0.004740 (0.0029194, 0.0071260) |
| Gorontalo | Other unintentional injuries                  | 35  | 156.2 (97.4, 243.6)      | 0.003360 (0.0020954, 0.0052421) | 144.7 (85.9, 233.1)        | 0.003222 (0.0019126, 0.0051885) |
| Gorontalo | Diarrheal diseases                            | 40  | 200.1 (133.3, 293.2)     | 0.005247 (0.0034964, 0.0076874) | 440.5 (299.2, 624.2)       | 0.011983 (0.0081382, 0.0169796) |
| Gorontalo | HIV/AIDS                                      | 40  | 19.1 (5.5, 45.0)         | 0.000502 (0.0001447, 0.0011791) | 34.2 (10.2, 75.9)          | 0.000931 (0.0002775, 0.0020641) |
| Gorontalo | Lower respiratory infections                  | 40  | 61.8 (37.7, 96.7)        | 0.001620 (0.0009895, 0.0025362) | 84.3 (52.2, 127.9)         | 0.002294 (0.0014204, 0.0034794) |
| Gorontalo | Malaria                                       | 40  | 95.1 (50.7, 159.6)       | 0.002494 (0.0013288, 0.0041851) | 165.8 (85.0, 271.6)        | 0.004511 (0.0023135, 0.0073874) |
| Gorontalo | Tuberculosis                                  | 40  | 996.9 (784.4, 1,275.8)   | 0.026139 (0.0205669, 0.0334526) | 1,543.0 (1,190.4, 1,984.2) | 0.041975 (0.0323849, 0.0539776) |
| Gorontalo | Maternal disorders                            | 40  |                          |                                 | 109.8 (58.0, 191.2)        | 0.002987 (0.0015774, 0.0052028) |
| Gorontalo | Other communicable diseases                   | 40  | 268.4 (183.3, 375.0)     | 0.007038 (0.0048059, 0.0098332) | 393.7 (259.3, 567.5)       | 0.010710 (0.0070544, 0.0154390) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 40  | 20.0 (6.3, 44.6)         | 0.000524 (0.0001658, 0.0011687) | 21.6 (7.7, 46.6)           | 0.000587 (0.0002089, 0.0012664) |
| Gorontalo | Breast cancer                                 | 40  | 2.5 (0.6, 7.7)           | 0.000067 (0.0000149, 0.0002015) | 713.1 (467.0, 1,000.2)     | 0.019398 (0.0127033, 0.0272084) |
| Gorontalo | Cervical cancer                               | 40  |                          |                                 | 382.1 (214.8, 614.6)       | 0.010394 (0.0058431, 0.0167193) |
| Gorontalo | Other malignant neoplasms                     | 40  | 295.5 (214.4, 395.2)     | 0.007749 (0.0056221, 0.0103613) | 388.4 (243.7, 574.1)       | 0.010566 (0.0066303, 0.0156168) |
| Gorontalo | Cerebrovascular disease                       | 40  | 765.7 (604.0, 966.7)     | 0.020077 (0.0158378, 0.0253483) | 1,595.7 (1,228.9, 2,016.6) | 0.043409 (0.0334314, 0.0548605) |
| Gorontalo | Ischemic heart disease                        | 40  | 602.6 (456.9, 775.1)     | 0.015800 (0.0119803, 0.0203225) | 851.6 (642.7, 1,124.8)     | 0.023168 (0.0174831, 0.0305998) |
| Gorontalo | Other cardiovascular and circulatory diseases | 40  | 77.3 (49.1, 116.4)       | 0.002027 (0.0012874, 0.0030517) | 218.1 (142.8, 317.3)       | 0.005934 (0.0038838, 0.0086332) |
| Gorontalo | Diabetes mellitus                             | 40  | 187.5 (134.1, 255.0)     | 0.004916 (0.0035166, 0.0066866) | 747.4 (541.4, 1,014.6)     | 0.020332 (0.0147283, 0.0276001) |
| Gorontalo | Chronic kidney disease                        | 40  | 177.7 (125.8, 255.6)     | 0.004658 (0.0032983, 0.0067012) | 382.1 (268.2, 545.0)       | 0.010394 (0.0072958, 0.0148249) |
| Gorontalo | Cirrhosis                                     | 40  | 393.6 (285.5, 532.8)     | 0.010320 (0.0074871, 0.0139712) | 500.7 (357.2, 681.4)       | 0.013621 (0.0097178, 0.0185371) |
| Gorontalo | Chronic respiratory diseases                  | 40  | 283.0 (210.4, 377.7)     | 0.007420 (0.0055156, 0.0099031) | 460.1 (332.5, 617.0)       | 0.012517 (0.0090450, 0.0167847) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|-----------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Gorontalo | Other non-communicable diseases               | 40  | 584.0 (452.8, 749.1)     | 0.015313 (0.0118727, 0.0196405) | 1,269.7 (948.0, 1,642.7)   | 0.034540 (0.0257896, 0.0446891) |
| Gorontalo | Drowning                                      | 40  | 74.9 (37.5, 130.1)       | 0.001964 (0.0009843, 0.0034116) | 39.0 (18.4, 71.4)          | 0.001062 (0.0005011, 0.0019419) |
| Gorontalo | Falls                                         | 40  | 78.9 (42.5, 130.8)       | 0.002068 (0.0011135, 0.0034296) | 59.9 (31.0, 101.5)         | 0.001630 (0.0008427, 0.0027615) |
| Gorontalo | Interpersonal violence                        | 40  | 16.1 (8.9, 26.9)         | 0.000423 (0.0002342, 0.0007046) | 25.1 (12.9, 41.2)          | 0.000682 (0.0003508, 0.0011201) |
| Gorontalo | Self-harm                                     | 40  | 27.9 (14.2, 47.9)        | 0.000732 (0.0003722, 0.0012562) | 38.3 (19.4, 68.5)          | 0.001041 (0.0005270, 0.0018629) |
| Gorontalo | Transport injuries                            | 40  | 219.9 (146.2, 317.9)     | 0.005767 (0.0038325, 0.0083356) | 131.6 (81.8, 197.3)        | 0.003579 (0.0022262, 0.0053671) |
| Gorontalo | Other unintentional injuries                  | 40  | 113.2 (69.6, 177.0)      | 0.002969 (0.0018239, 0.0046403) | 91.6 (55.7, 143.7)         | 0.002491 (0.0015165, 0.0039088) |
| Gorontalo | Diarrheal diseases                            | 45  | 167.1 (111.3, 235.9)     | 0.005370 (0.0035766, 0.0075776) | 425.7 (295.5, 589.0)       | 0.014003 (0.0097220, 0.0193765) |
| Gorontalo | HIV/AIDS                                      | 45  | 8.4 (2.4, 20.4)          | 0.000270 (0.0000785, 0.0006562) | 17.4 (4.8, 41.1)           | 0.000573 (0.0001579, 0.0013514) |
| Gorontalo | Lower respiratory infections                  | 45  | 62.7 (39.2, 97.2)        | 0.002013 (0.0012591, 0.0031224) | 101.7 (63.6, 151.3)        | 0.003344 (0.0020919, 0.0049784) |
| Gorontalo | Malaria                                       | 45  | 70.9 (37.7, 119.8)       | 0.002279 (0.0012115, 0.0038495) | 136.2 (71.2, 230.0)        | 0.004481 (0.0023424, 0.0075658) |
| Gorontalo | Tuberculosis                                  | 45  | 934.2 (727.8, 1,175.9)   | 0.030012 (0.0233819, 0.0377760) | 1,624.5 (1,304.3, 2,034.6) | 0.053441 (0.0429071, 0.0669297) |
| Gorontalo | Maternal disorders                            | 45  |                          |                                 | 20.9 (8.6, 40.2)           | 0.000688 (0.0002842, 0.0013231) |
| Gorontalo | Other communicable diseases                   | 45  | 190.9 (130.3, 270.1)     | 0.006132 (0.0041861, 0.0086778) | 328.0 (222.5, 461.2)       | 0.010790 (0.0073182, 0.0151713) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 45  | 23.7 (8.5, 48.6)         | 0.000762 (0.0002728, 0.0015620) | 24.5 (8.9, 53.0)           | 0.000806 (0.0002940, 0.0017448) |
| Gorontalo | Breast cancer                                 | 45  | 3.2 (1.0, 7.4)           | 0.000103 (0.0000327, 0.0002385) | 683.9 (463.8, 931.8)       | 0.022499 (0.0152558, 0.0306526) |
| Gorontalo | Cervical cancer                               | 45  |                          |                                 | 318.9 (178.1, 519.6)       | 0.010492 (0.0058573, 0.0170914) |
| Gorontalo | Other malignant neoplasms                     | 45  | 250.0 (181.0, 332.9)     | 0.008030 (0.0058151, 0.0106941) | 348.1 (216.0, 509.6)       | 0.011452 (0.0071055, 0.0167641) |
| Gorontalo | Cerebrovascular disease                       | 45  | 970.9 (762.3, 1,217.7)   | 0.031190 (0.0244905, 0.0391185) | 2,174.7 (1,745.4, 2,690.5) | 0.071539 (0.0574159, 0.0885086) |
| Gorontalo | Ischemic heart disease                        | 45  | 703.2 (529.8, 906.2)     | 0.022589 (0.0170212, 0.0291110) | 1,054.3 (815.2, 1,359.6)   | 0.034682 (0.0268165, 0.0447242) |
| Gorontalo | Other cardiovascular and circulatory diseases | 45  | 90.2 (59.1, 136.4)       | 0.002899 (0.0018970, 0.0043805) | 270.6 (179.3, 388.1)       | 0.008903 (0.0058980, 0.0127679) |
| Gorontalo | Diabetes mellitus                             | 45  | 273.9 (198.8, 365.3)     | 0.008798 (0.0063878, 0.0117367) | 1,136.4 (868.2, 1,502.7)   | 0.037384 (0.0285596, 0.0494334) |
| Gorontalo | Chronic kidney disease                        | 45  | 173.8 (119.8, 249.0)     | 0.005583 (0.0038471, 0.0079999) | 390.5 (278.1, 547.5)       | 0.012845 (0.0091492, 0.0180094) |
| Gorontalo | Cirrhosis                                     | 45  | 361.7 (256.4, 484.1)     | 0.011620 (0.0082376, 0.0155532) | 497.3 (354.5, 674.1)       | 0.016359 (0.0116616, 0.0221753) |
| Gorontalo | Chronic respiratory diseases                  | 45  | 327.5 (242.9, 430.8)     | 0.010521 (0.0078041, 0.0138394) | 569.6 (428.1, 742.0)       | 0.018737 (0.0140824, 0.0244101) |
| Gorontalo | Other non-communicable diseases               | 45  | 531.9 (400.4, 693.9)     | 0.017087 (0.0128635, 0.0222922) | 1,242.2 (953.0, 1,592.8)   | 0.040864 (0.0313499, 0.0523976) |
| Gorontalo | Drowning                                      | 45  | 43.1 (19.5, 79.0)        | 0.001385 (0.0006275, 0.0025375) | 26.5 (11.7, 51.5)          | 0.000873 (0.0003851, 0.0016955) |
| Gorontalo | Falls                                         | 45  | 75.2 (40.3, 121.3)       | 0.002415 (0.0012953, 0.0038965) | 65.5 (34.3, 107.0)         | 0.002156 (0.0011288, 0.0035206) |
| Gorontalo | Interpersonal violence                        | 45  | 12.4 (7.2, 21.0)         | 0.000397 (0.0002298, 0.0006753) | 20.4 (11.0, 33.6)          | 0.000670 (0.0003606, 0.0011065) |
| Gorontalo | Self-harm                                     | 45  | 24.6 (12.3, 43.5)        | 0.000789 (0.0003937, 0.0013959) | 35.1 (17.9, 60.7)          | 0.001155 (0.0005886, 0.0019984) |
| Gorontalo | Transport injuries                            | 45  | 191.2 (129.2, 272.9)     | 0.006142 (0.0041502, 0.0087681) | 127.8 (81.6, 187.3)        | 0.004205 (0.0026835, 0.0061617) |
| Gorontalo | Other unintentional injuries                  | 45  | 93.1 (56.9, 145.7)       | 0.002990 (0.0018294, 0.0046812) | 82.4 (50.9, 130.2)         | 0.002712 (0.0016752, 0.0042820) |
| Gorontalo | Diarrheal diseases                            | 50  | 186.9 (126.3, 264.0)     | 0.007507 (0.0050724, 0.0106050) | 462.6 (333.8, 622.3)       | 0.018637 (0.0134474, 0.0250710) |
| Gorontalo | HIV/AIDS                                      | 50  | 3.2 (0.8, 8.4)           | 0.000130 (0.0000327, 0.0003365) | 6.6 (1.6, 17.1)            | 0.000268 (0.0000651, 0.0006879) |
| Gorontalo | Lower respiratory infections                  | 50  | 70.2 (43.4, 110.3)       | 0.002819 (0.0017416, 0.0044306) | 114.3 (73.1, 169.9)        | 0.004604 (0.0029439, 0.0068431) |
| Gorontalo | Malaria                                       | 50  | 64.4 (34.9, 107.6)       | 0.002588 (0.0014015, 0.0043206) | 117.9 (62.7, 198.9)        | 0.004748 (0.0025258, 0.0080128) |
| Gorontalo | Tuberculosis                                  | 50  | 960.5 (745.3, 1,209.0)   | 0.038584 (0.0299381, 0.0485666) | 1,630.7 (1,314.2, 2,017.9) | 0.065692 (0.0529451, 0.0812934) |
| Gorontalo | Maternal disorders                            | 50  |                          |                                 | 6.1 (1.7, 15.4)            | 0.000245 (0.0000693, 0.0006201) |
| Gorontalo | Other communicable diseases                   | 50  | 159.1 (109.3, 223.9)     | 0.006390 (0.0043904, 0.0089931) | 268.1 (179.3, 383.2)       | 0.010802 (0.0072233, 0.0154362) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 50  | 26.6 (10.0, 56.5)        | 0.001068 (0.0004009, 0.0022699) | 24.7 (8.9, 52.3)           | 0.000995 (0.0003600, 0.0021071) |
| Gorontalo | Breast cancer                                 | 50  | 3.2 (1.3, 6.6)           | 0.000130 (0.0000521, 0.0002657) | 562.9 (382.8, 775.5)       | 0.022677 (0.0154214, 0.0312409) |
| Gorontalo | Cervical cancer                               | 50  |                          |                                 | 236.4 (130.4, 392.1)       | 0.009522 (0.0052530, 0.0157961) |
| Gorontalo | Other malignant neoplasms                     | 50  | 215.7 (156.2, 292.5)     | 0.008664 (0.0062747, 0.0117482) | 326.8 (205.5, 482.2)       | 0.013165 (0.0082784, 0.0194246) |
| Gorontalo | Cerebrovascular disease                       | 50  | 1,235.5 (968.5, 1,555.1) | 0.049630 (0.0389047, 0.0624686) | 2,664.3 (2,161.3, 3,261.6) | 0.107331 (0.0870682, 0.1313962) |
| Gorontalo | Ischemic heart disease                        | 50  | 818.5 (627.2, 1,058.6)   | 0.032880 (0.0251938, 0.0425236) | 1,182.9 (917.3, 1,502.5)   | 0.047652 (0.0369538, 0.0605292) |
| Gorontalo | Other cardiovascular and circulatory diseases | 50  | 116.4 (77.4, 174.6)      | 0.004676 (0.0031080, 0.0070150) | 333.8 (226.3, 470.6)       | 0.013446 (0.0091161, 0.0189584) |
| Gorontalo | Diabetes mellitus                             | 50  | 353.6 (257.3, 471.0)     | 0.014205 (0.0103358, 0.0189186) | 1,392.2 (1,067.8, 1,827.6) | 0.056086 (0.0430175, 0.0736248) |
| Gorontalo | Chronic kidney disease                        | 50  | 179.3 (125.9, 255.0)     | 0.007202 (0.0050593, 0.0102425) | 383.7 (271.7, 534.1)       | 0.015456 (0.0109467, 0.0215168) |
| Gorontalo | Cirrhosis                                     | 50  | 352.8 (249.6, 478.7)     | 0.014171 (0.0100248, 0.0192296) | 469.5 (337.3, 635.8)       | 0.018916 (0.0135898, 0.0256130) |
| Gorontalo | Chronic respiratory diseases                  | 50  | 422.9 (319.5, 556.3)     | 0.016989 (0.0128342, 0.0223483) | 704.9 (537.3, 910.8)       | 0.028397 (0.0216458, 0.0366905) |
| Gorontalo | Other non-communicable diseases               | 50  | 540.9 (410.2, 692.3)     | 0.021729 (0.0164775, 0.0278086) | 1,216.9 (952.0, 1,547.2)   | 0.049024 (0.0383512, 0.0623307) |
| Gorontalo | Drowning                                      | 50  | 24.5 (11.4, 44.9)        | 0.000986 (0.0004567, 0.0018019) | 14.9 (6.5, 28.9)           | 0.000600 (0.0002634, 0.0011653) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|-----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Gorontalo | Falls                                         | 50  | 69.9 (37.7, 113.4)         | 0.002809 (0.0015129, 0.0045561) | 59.2 (31.4, 95.6)          | 0.002386 (0.0012666, 0.0038508) |
| Gorontalo | Interpersonal violence                        | 50  | 9.1 (5.0, 15.4)            | 0.000364 (0.0002028, 0.0006185) | 13.9 (7.2, 24.1)           | 0.000559 (0.0002882, 0.0009721) |
| Gorontalo | Self-harm                                     | 50  | 20.4 (10.4, 35.4)          | 0.000819 (0.0004193, 0.0014206) | 27.0 (13.8, 47.6)          | 0.001087 (0.0005560, 0.0019176) |
| Gorontalo | Transport injuries                            | 50  | 126.7 (82.9, 188.4)        | 0.005091 (0.0033289, 0.0075678) | 80.9 (50.7, 120.1)         | 0.003260 (0.0020441, 0.0048385) |
| Gorontalo | Other unintentional injuries                  | 50  | 66.9 (40.6, 103.7)         | 0.002686 (0.0016319, 0.0041643) | 56.2 (34.0, 86.0)          | 0.002263 (0.0013678, 0.0034660) |
| Gorontalo | Diarrheal diseases                            | 55  | 173.4 (119.1, 244.8)       | 0.009046 (0.0062141, 0.0127704) | 415.3 (298.3, 564.4)       | 0.023636 (0.0169767, 0.0321196) |
| Gorontalo | HIV/AIDS                                      | 55  | 1.2 (0.3, 3.2)             | 0.000064 (0.0000151, 0.0001695) | 2.4 (0.6, 6.1)             | 0.000138 (0.0000323, 0.0003476) |
| Gorontalo | Lower respiratory infections                  | 55  | 63.7 (40.4, 98.8)          | 0.003323 (0.0021069, 0.0051565) | 103.2 (65.4, 152.1)        | 0.005871 (0.0037204, 0.0086583) |
| Gorontalo | Malaria                                       | 55  | 59.3 (33.3, 97.3)          | 0.003096 (0.0017377, 0.0050751) | 98.1 (53.5, 163.6)         | 0.005582 (0.0030460, 0.0093123) |
| Gorontalo | Tuberculosis                                  | 55  | 824.3 (632.7, 1,049.4)     | 0.043008 (0.0330104, 0.0547472) | 1,287.7 (1,026.8, 1,587.5) | 0.073283 (0.0584330, 0.0903443) |
| Gorontalo | Other communicable diseases                   | 55  | 125.9 (83.8, 180.4)        | 0.006569 (0.0043731, 0.0094100) | 209.7 (141.5, 292.9)       | 0.011937 (0.0080508, 0.0166705) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 55  | 26.8 (10.0, 54.6)          | 0.001397 (0.0005236, 0.0028485) | 18.2 (6.6, 38.7)           | 0.001038 (0.0003772, 0.0022029) |
| Gorontalo | Breast cancer                                 | 55  | 2.9 (1.2, 5.5)             | 0.000151 (0.0000651, 0.0002891) | 375.3 (249.7, 517.8)       | 0.021356 (0.0142115, 0.0294701) |
| Gorontalo | Cervical cancer                               | 55  |                            |                                 | 143.1 (77.8, 244.3)        | 0.008146 (0.0044276, 0.0139025) |
| Gorontalo | Other malignant neoplasms                     | 55  | 164.3 (115.6, 224.9)       | 0.008572 (0.0060293, 0.0117327) | 247.9 (158.0, 356.3)       | 0.014106 (0.0089911, 0.0202746) |
| Gorontalo | Cerebrovascular disease                       | 55  | 1,355.1 (1,042.9, 1,715.4) | 0.070699 (0.0544115, 0.0894956) | 2,739.4 (2,219.1, 3,311.2) | 0.155897 (0.1262881, 0.1884436) |
| Gorontalo | Ischemic heart disease                        | 55  | 889.8 (671.4, 1,147.1)     | 0.046421 (0.0350306, 0.0598493) | 1,203.4 (946.1, 1,503.3)   | 0.068485 (0.0538433, 0.0855516) |
| Gorontalo | Other cardiovascular and circulatory diseases | 55  | 128.6 (86.2, 189.4)        | 0.006709 (0.0044977, 0.0098815) | 335.7 (230.1, 456.7)       | 0.019103 (0.0130929, 0.0259936) |
| Gorontalo | Diabetes mellitus                             | 55  | 363.9 (265.5, 485.7)       | 0.018983 (0.0138491, 0.0253385) | 1,305.7 (1,008.9, 1,691.1) | 0.074305 (0.0574180, 0.0962415) |
| Gorontalo | Chronic kidney disease                        | 55  | 171.3 (118.9, 248.9)       | 0.008936 (0.0062039, 0.0129879) | 329.4 (233.4, 460.9)       | 0.018747 (0.0132808, 0.0262297) |
| Gorontalo | Cirrhosis                                     | 55  | 294.0 (203.6, 407.7)       | 0.015340 (0.0106215, 0.0212713) | 370.0 (264.2, 496.5)       | 0.021054 (0.0150373, 0.0282544) |
| Gorontalo | Chronic respiratory diseases                  | 55  | 452.2 (336.8, 594.7)       | 0.023594 (0.0175724, 0.0310248) | 681.3 (523.2, 875.7)       | 0.038770 (0.0297758, 0.0498374) |
| Gorontalo | Other non-communicable diseases               | 55  | 536.1 (403.3, 696.3)       | 0.027968 (0.0210395, 0.0363266) | 1,119.0 (880.3, 1,402.8)   | 0.063684 (0.0500971, 0.0798352) |
| Gorontalo | Drowning                                      | 55  | 13.4 (5.9, 26.7)           | 0.000700 (0.0003092, 0.0013909) | 8.4 (3.4, 17.0)            | 0.000479 (0.0001948, 0.0009697) |
| Gorontalo | Falls                                         | 55  | 59.2 (33.0, 94.1)          | 0.003088 (0.0017205, 0.0049118) | 49.5 (29.1, 75.9)          | 0.002817 (0.0016542, 0.0043172) |
| Gorontalo | Interpersonal violence                        | 55  | 6.5 (3.4, 11.1)            | 0.000337 (0.0001754, 0.0005796) | 8.6 (4.2, 15.3)            | 0.000491 (0.0002409, 0.0008735) |
| Gorontalo | Self-harm                                     | 55  | 17.0 (8.7, 30.2)           | 0.000889 (0.0004515, 0.0015761) | 19.3 (10.0, 34.2)          | 0.001096 (0.0005677, 0.0019473) |
| Gorontalo | Transport injuries                            | 55  | 69.1 (41.8, 103.5)         | 0.003603 (0.0021818, 0.0053992) | 41.9 (25.2, 62.2)          | 0.002384 (0.0014327, 0.0035401) |
| Gorontalo | Other unintentional injuries                  | 55  | 46.6 (27.9, 73.1)          | 0.002430 (0.0014580, 0.0038132) | 36.1 (21.2, 56.7)          | 0.002053 (0.0012054, 0.0032295) |
| Gorontalo | Diarrheal diseases                            | 60  | 167.7 (116.2, 230.8)       | 0.013368 (0.0092577, 0.0183963) | 400.2 (296.9, 529.2)       | 0.028697 (0.0212942, 0.0379506) |
| Gorontalo | HIV/AIDS                                      | 60  | 0.8 (0.2, 2.1)             | 0.000062 (0.0000127, 0.0001701) | 1.6 (0.3, 4.2)             | 0.000114 (0.0000232, 0.0002998) |
| Gorontalo | Lower respiratory infections                  | 60  | 77.2 (49.0, 115.7)         | 0.006154 (0.0039063, 0.0092249) | 132.8 (86.3, 192.8)        | 0.009523 (0.0061861, 0.0138256) |
| Gorontalo | Malaria                                       | 60  | 54.5 (31.9, 88.5)          | 0.004345 (0.0025445, 0.0070565) | 89.9 (49.1, 150.4)         | 0.006449 (0.0035202, 0.0107828) |
| Gorontalo | Tuberculosis                                  | 60  | 876.9 (677.8, 1,104.8)     | 0.069893 (0.0540219, 0.0880527) | 1,468.9 (1,204.9, 1,774.9) | 0.105340 (0.0864053, 0.1272800) |
| Gorontalo | Other communicable diseases                   | 60  | 86.8 (57.2, 123.9)         | 0.006916 (0.0045594, 0.0098782) | 144.0 (97.9, 210.2)        | 0.010327 (0.0070241, 0.0150746) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 60  | 22.9 (8.7, 46.8)           | 0.001824 (0.0006934, 0.0037274) | 15.9 (5.9, 34.5)           | 0.001143 (0.0004224, 0.0024771) |
| Gorontalo | Breast cancer                                 | 60  | 2.3 (1.0, 4.4)             | 0.000185 (0.0000780, 0.0003486) | 265.5 (177.6, 381.0)       | 0.019041 (0.0127377, 0.0273246) |
| Gorontalo | Cervical cancer                               | 60  |                            |                                 | 102.6 (52.7, 171.5)        | 0.007356 (0.0037823, 0.0122990) |
| Gorontalo | Other malignant neoplasms                     | 60  | 138.1 (97.5, 186.5)        | 0.011006 (0.0077745, 0.0148631) | 239.1 (157.8, 340.4)       | 0.017144 (0.0113171, 0.0244139) |
| Gorontalo | Cerebrovascular disease                       | 60  | 1,349.6 (1,039.2, 1,672.4) | 0.107566 (0.0828253, 0.1332968) | 2,878.8 (2,387.4, 3,416.1) | 0.206442 (0.1712010, 0.2449755) |
| Gorontalo | Ischemic heart disease                        | 60  | 802.3 (610.7, 1,018.9)     | 0.063944 (0.0486719, 0.0812073) | 1,215.4 (965.8, 1,503.1)   | 0.087158 (0.0692623, 0.1077916) |
| Gorontalo | Other cardiovascular and circulatory diseases | 60  | 130.9 (85.6, 191.8)        | 0.010430 (0.0068231, 0.0152861) | 349.2 (241.7, 476.7)       | 0.025044 (0.0173362, 0.0341870) |
| Gorontalo | Diabetes mellitus                             | 60  | 297.6 (217.1, 397.9)       | 0.023720 (0.0173005, 0.0317116) | 1,131.7 (897.5, 1,447.3)   | 0.081153 (0.0643591, 0.1037883) |
| Gorontalo | Chronic kidney disease                        | 60  | 145.6 (103.2, 206.1)       | 0.011604 (0.0082251, 0.0164248) | 294.4 (215.0, 405.1)       | 0.021113 (0.0154208, 0.0290478) |
| Gorontalo | Cirrhosis                                     | 60  | 229.4 (159.7, 314.9)       | 0.018281 (0.0127252, 0.0251025) | 302.8 (214.4, 406.7)       | 0.021717 (0.0153737, 0.0291644) |
| Gorontalo | Chronic respiratory diseases                  | 60  | 578.2 (440.3, 733.7)       | 0.046082 (0.0350952, 0.0584804) | 880.4 (689.7, 1,099.0)     | 0.063136 (0.0494568, 0.0788097) |
| Gorontalo | Other non-communicable diseases               | 60  | 549.6 (418.9, 711.3)       | 0.043803 (0.0333906, 0.0566896) | 1,193.6 (952.4, 1,477.1)   | 0.085596 (0.0682972, 0.1059281) |
| Gorontalo | Drowning                                      | 60  | 8.8 (3.6, 17.5)            | 0.000703 (0.0002852, 0.0013974) | 5.8 (2.2, 12.3)            | 0.000413 (0.0001581, 0.0008798) |
| Gorontalo | Falls                                         | 60  | 44.1 (24.8, 70.3)          | 0.003517 (0.0019754, 0.0056022) | 38.4 (21.6, 58.9)          | 0.002754 (0.0015491, 0.0042242) |
| Gorontalo | Interpersonal violence                        | 60  | 4.1 (2.0, 7.2)             | 0.000328 (0.0001611, 0.0005765) | 5.7 (2.8, 10.3)            | 0.000411 (0.0001975, 0.0007351) |
| Gorontalo | Self-harm                                     | 60  | 12.4 (6.3, 22.4)           | 0.000991 (0.0005034, 0.0017859) | 14.6 (7.3, 26.6)           | 0.001048 (0.0005234, 0.0019082) |
| Gorontalo | Transport injuries                            | 60  | 51.6 (31.2, 80.4)          | 0.004115 (0.0024870, 0.0064087) | 32.6 (19.8, 48.7)          | 0.002337 (0.0014213, 0.0034956) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|-----------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Gorontalo | Other unintentional injuries                  | 60  | 34.2 (19.6, 53.1)        | 0.002723 (0.0015593, 0.0042283) | 27.5 (15.5, 43.0)          | 0.001974 (0.0011110, 0.0030825) |
| Gorontalo | Diarrheal diseases                            | 65  | 195.1 (137.5, 267.9)     | 0.023324 (0.0164379, 0.0320275) | 485.3 (371.5, 629.5)       | 0.052544 (0.0402278, 0.0681587) |
| Gorontalo | HIV/AIDS                                      | 65  | 0.6 (0.1, 1.5)           | 0.000068 (0.0000149, 0.0001760) | 1.2 (0.3, 3.0)             | 0.000131 (0.0000287, 0.0003289) |
| Gorontalo | Lower respiratory infections                  | 65  | 68.5 (42.9, 104.6)       | 0.008192 (0.0051310, 0.0125072) | 130.0 (84.1, 183.7)        | 0.014072 (0.0091043, 0.0198877) |
| Gorontalo | Malaria                                       | 65  | 40.0 (22.8, 65.3)        | 0.004779 (0.0027250, 0.0078046) | 63.6 (35.0, 103.6)         | 0.006884 (0.0037941, 0.0112219) |
| Gorontalo | Tuberculosis                                  | 65  | 701.8 (539.0, 893.0)     | 0.083906 (0.0644435, 0.1067683) | 1,187.9 (970.0, 1,432.3)   | 0.128622 (0.1050277, 0.1550837) |
| Gorontalo | Other communicable diseases                   | 65  | 59.6 (37.9, 86.5)        | 0.007120 (0.0045347, 0.0103396) | 106.3 (68.3, 151.4)        | 0.011512 (0.0073964, 0.0163957) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 65  | 15.2 (5.7, 32.1)         | 0.001814 (0.0006847, 0.0038327) | 9.7 (3.5, 21.1)            | 0.001048 (0.0003835, 0.0022872) |
| Gorontalo | Breast cancer                                 | 65  | 1.4 (0.5, 2.9)           | 0.000166 (0.0000626, 0.0003459) | 141.9 (92.6, 207.5)        | 0.015363 (0.0100285, 0.0224652) |
| Gorontalo | Cervical cancer                               | 65  |                          |                                 | 58.9 (29.2, 102.1)         | 0.006378 (0.0031569, 0.0110549) |
| Gorontalo | Other malignant neoplasms                     | 65  | 82.9 (58.8, 112.7)       | 0.009915 (0.0070270, 0.0134778) | 175.6 (117.9, 245.1)       | 0.019018 (0.0127683, 0.0265354) |
| Gorontalo | Cerebrovascular disease                       | 65  | 1,077.2 (825.7, 1,345.1) | 0.128785 (0.0987147, 0.1608181) | 2,432.5 (2,035.4, 2,884.4) | 0.263388 (0.2203886, 0.3123204) |
| Gorontalo | Ischemic heart disease                        | 65  | 598.2 (450.9, 764.3)     | 0.071526 (0.0539061, 0.0913738) | 936.1 (741.0, 1,145.7)     | 0.101355 (0.0802327, 0.1240521) |
| Gorontalo | Other cardiovascular and circulatory diseases | 65  | 111.6 (73.7, 161.2)      | 0.013340 (0.0088067, 0.0192723) | 306.9 (214.8, 417.2)       | 0.033227 (0.0232627, 0.0451779) |
| Gorontalo | Diabetes mellitus                             | 65  | 182.8 (131.8, 246.4)     | 0.021853 (0.0157577, 0.0294622) | 729.4 (575.0, 934.4)       | 0.078978 (0.0622606, 0.1011733) |
| Gorontalo | Chronic kidney disease                        | 65  | 104.8 (73.5, 149.3)      | 0.012529 (0.0087830, 0.0178464) | 216.0 (156.6, 296.9)       | 0.023392 (0.0169545, 0.0321531) |
| Gorontalo | Cirrhosis                                     | 65  | 137.2 (94.0, 192.2)      | 0.016402 (0.0112438, 0.0229788) | 196.0 (137.6, 262.6)       | 0.021221 (0.0148939, 0.0284309) |
| Gorontalo | Chronic respiratory diseases                  | 65  | 492.0 (374.5, 630.3)     | 0.058825 (0.0447780, 0.0753571) | 785.9 (632.1, 972.2)       | 0.085093 (0.0684448, 0.1052690) |
| Gorontalo | Other non-communicable diseases               | 65  | 471.8 (352.6, 613.2)     | 0.056411 (0.0421594, 0.0733095) | 1,071.7 (861.0, 1,318.8)   | 0.116046 (0.0932234, 0.1428008) |
| Gorontalo | Drowning                                      | 65  | 5.2 (1.9, 11.1)          | 0.000622 (0.0002298, 0.0013294) | 4.1 (1.5, 8.8)             | 0.000439 (0.0001600, 0.0009491) |
| Gorontalo | Falls                                         | 65  | 33.5 (19.0, 53.2)        | 0.004005 (0.0022728, 0.0063643) | 33.3 (19.5, 50.1)          | 0.003608 (0.0021154, 0.0054243) |
| Gorontalo | Interpersonal violence                        | 65  | 2.4 (1.1, 4.6)           | 0.000284 (0.0001290, 0.0005492) | 3.3 (1.4, 6.2)             | 0.000353 (0.0001533, 0.0006714) |
| Gorontalo | Self-harm                                     | 65  | 8.2 (4.0, 15.5)          | 0.000986 (0.0004787, 0.0018581) | 9.4 (4.5, 17.3)            | 0.001014 (0.0004864, 0.0018734) |
| Gorontalo | Transport injuries                            | 65  | 31.3 (17.8, 49.4)        | 0.003745 (0.0021246, 0.0059063) | 21.7 (12.6, 34.1)          | 0.002353 (0.0013631, 0.0036946) |
| Gorontalo | Other unintentional injuries                  | 65  | 22.9 (13.2, 37.4)        | 0.002735 (0.0015781, 0.0044684) | 19.5 (11.3, 31.0)          | 0.002108 (0.0012253, 0.0033565) |
| Gorontalo | Diarrheal diseases                            | 70  | 186.4 (134.9, 250.1)     | 0.039882 (0.0288558, 0.0534964) | 592.4 (472.6, 743.0)       | 0.088024 (0.0702188, 0.1103999) |
| Gorontalo | HIV/AIDS                                      | 70  | 0.5 (0.1, 1.5)           | 0.000116 (0.0000238, 0.0003150) | 1.5 (0.3, 4.0)             | 0.000218 (0.0000496, 0.0005906) |
| Gorontalo | Lower respiratory infections                  | 70  | 60.7 (38.2, 89.0)        | 0.012976 (0.0081653, 0.0190434) | 160.1 (105.2, 220.7)       | 0.023782 (0.0156374, 0.0327907) |
| Gorontalo | Malaria                                       | 70  | 26.3 (14.6, 44.6)        | 0.005630 (0.0031151, 0.0095483) | 48.4 (26.4, 81.7)          | 0.007186 (0.0039300, 0.0121389) |
| Gorontalo | Tuberculosis                                  | 70  | 522.3 (396.5, 657.2)     | 0.111734 (0.0848257, 0.1405987) | 1,107.7 (927.4, 1,319.9)   | 0.164587 (0.1378082, 0.1961262) |
| Gorontalo | Other communicable diseases                   | 70  | 42.1 (27.8, 62.4)        | 0.009015 (0.0059515, 0.0133438) | 99.7 (66.8, 146.6)         | 0.014819 (0.0099202, 0.0217759) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 70  | 8.4 (3.1, 17.9)          | 0.001804 (0.0006732, 0.0038294) | 7.2 (2.7, 15.5)            | 0.001071 (0.0003965, 0.0023093) |
| Gorontalo | Breast cancer                                 | 70  | 0.8 (0.2, 1.8)           | 0.000165 (0.0000512, 0.0003825) | 74.7 (46.2, 112.8)         | 0.011097 (0.0068622, 0.0167563) |
| Gorontalo | Cervical cancer                               | 70  |                          |                                 | 33.2 (16.2, 59.0)          | 0.004937 (0.0024120, 0.0087726) |
| Gorontalo | Other malignant neoplasms                     | 70  | 45.4 (31.5, 61.4)        | 0.009717 (0.0067441, 0.0131260) | 123.7 (83.8, 167.8)        | 0.018381 (0.0124525, 0.0249400) |
| Gorontalo | Cerebrovascular disease                       | 70  | 757.0 (579.9, 948.1)     | 0.161931 (0.1240514, 0.2028153) | 2,245.9 (1,888.4, 2,623.7) | 0.333724 (0.2805981, 0.3898553) |
| Gorontalo | Ischemic heart disease                        | 70  | 396.2 (295.6, 506.4)     | 0.084751 (0.0632410, 0.1083217) | 831.8 (670.2, 1,005.8)     | 0.123598 (0.0995839, 0.1494520) |
| Gorontalo | Other cardiovascular and circulatory diseases | 70  | 86.2 (56.6, 125.6)       | 0.018441 (0.0121116, 0.0268734) | 292.1 (206.9, 398.7)       | 0.043401 (0.0307492, 0.0592474) |
| Gorontalo | Diabetes mellitus                             | 70  | 94.8 (67.0, 128.2)       | 0.020271 (0.0143287, 0.0274207) | 483.1 (376.4, 619.8)       | 0.071781 (0.0559284, 0.0920908) |
| Gorontalo | Chronic kidney disease                        | 70  | 64.5 (44.7, 91.9)        | 0.013808 (0.0095650, 0.0196557) | 164.1 (117.9, 223.5)       | 0.024382 (0.0175129, 0.0332115) |
| Gorontalo | Cirrhosis                                     | 70  | 78.6 (53.1, 110.1)       | 0.016815 (0.0113677, 0.0235518) | 149.6 (107.9, 197.5)       | 0.022226 (0.0160353, 0.0293396) |
| Gorontalo | Chronic respiratory diseases                  | 70  | 426.5 (325.4, 540.1)     | 0.091234 (0.0696061, 0.1155391) | 841.3 (685.8, 1,024.1)     | 0.125003 (0.1018995, 0.1521643) |
| Gorontalo | Other non-communicable diseases               | 70  | 360.5 (274.0, 463.1)     | 0.077116 (0.0586207, 0.0990656) | 1,046.0 (850.0, 1,264.6)   | 0.155424 (0.1263003, 0.1879063) |
| Gorontalo | Drowning                                      | 70  | 5.2 (2.2, 10.3)          | 0.001123 (0.0004635, 0.0022116) | 6.3 (2.7, 11.7)            | 0.000931 (0.0004020, 0.0017425) |
| Gorontalo | Falls                                         | 70  | 23.2 (12.9, 36.4)        | 0.004954 (0.0027567, 0.0077847) | 33.3 (19.7, 49.3)          | 0.004950 (0.0029208, 0.0073260) |
| Gorontalo | Interpersonal violence                        | 70  | 1.2 (0.5, 2.3)           | 0.000250 (0.0000983, 0.0004976) | 1.9 (0.8, 3.8)             | 0.000288 (0.0001144, 0.0005697) |
| Gorontalo | Self-harm                                     | 70  | 4.9 (2.3, 9.1)           | 0.001040 (0.0004909, 0.0019518) | 6.5 (3.1, 12.3)            | 0.000962 (0.0004535, 0.0018324) |
| Gorontalo | Transport injuries                            | 70  | 19.0 (10.8, 30.1)        | 0.004061 (0.0023029, 0.0064332) | 18.1 (10.5, 28.3)          | 0.002693 (0.0015622, 0.0042104) |
| Gorontalo | Other unintentional injuries                  | 70  | 14.6 (8.2, 24.3)         | 0.003130 (0.0017512, 0.0052074) | 16.3 (9.5, 26.0)           | 0.002419 (0.0014062, 0.0038580) |
| Gorontalo | Diarrheal diseases                            | 75  | 122.9 (88.9, 163.5)      | 0.050269 (0.0363505, 0.0668668) | 427.6 (347.1, 523.8)       | 0.120564 (0.0978668, 0.1476901) |
| Gorontalo | HIV/AIDS                                      | 75  | 0.2 (0.1, 0.7)           | 0.000101 (0.0000206, 0.0002714) | 0.7 (0.2, 1.9)             | 0.000202 (0.0000428, 0.0005391) |
| Gorontalo | Lower respiratory infections                  | 75  | 37.2 (23.4, 54.7)        | 0.015227 (0.0095636, 0.0223826) | 108.8 (72.9, 149.1)        | 0.030683 (0.0205598, 0.0420286) |

Aim 2 Supplementary Tables

| Location  | Cause group                                   | Age | Males                         |                                 | Females                       |                                 |
|-----------|-----------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|           |                                               |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Gorontalo | Malaria                                       | 75  | 15.4 (8.0, 26.7)              | 0.006299 (0.0032788, 0.0109246) | 29.4 (14.9, 49.7)             | 0.008283 (0.0041947, 0.0140162) |
| Gorontalo | Tuberculosis                                  | 75  | 270.8 (206.0, 344.1)          | 0.110782 (0.0842487, 0.1407427) | 595.6 (491.9, 712.7)          | 0.167933 (0.1387117, 0.2009676) |
| Gorontalo | Other communicable diseases                   | 75  | 22.3 (14.4, 33.1)             | 0.009122 (0.0058979, 0.0135272) | 59.1 (40.0, 85.5)             | 0.016656 (0.0112919, 0.0241000) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 75  | 4.1 (1.5, 8.4)                | 0.001681 (0.0006125, 0.0034462) | 3.4 (1.2, 7.4)                | 0.000951 (0.0003341, 0.0020952) |
| Gorontalo | Breast cancer                                 | 75  | 0.3 (0.1, 0.7)                | 0.000119 (0.0000326, 0.0002842) | 29.0 (17.0, 45.3)             | 0.008175 (0.0048064, 0.0127786) |
| Gorontalo | Cervical cancer                               | 75  |                               |                                 | 13.0 (6.0, 24.0)              | 0.003670 (0.0016797, 0.0067590) |
| Gorontalo | Other malignant neoplasms                     | 75  | 19.2 (13.4, 26.2)             | 0.007851 (0.0054644, 0.0107061) | 63.7 (44.5, 86.8)             | 0.017974 (0.0125492, 0.0244874) |
| Gorontalo | Cerebrovascular disease                       | 75  | 423.0 (323.6, 524.8)          | 0.173015 (0.1323822, 0.2146821) | 1,376.2 (1,166.3, 1,581.4)    | 0.388044 (0.3288502, 0.4459013) |
| Gorontalo | Ischemic heart disease                        | 75  | 243.7 (181.7, 312.6)          | 0.099676 (0.0743437, 0.1278811) | 548.4 (448.6, 658.0)          | 0.154637 (0.1264885, 0.1855332) |
| Gorontalo | Other cardiovascular and circulatory diseases | 75  | 49.7 (32.8, 72.8)             | 0.020343 (0.0134328, 0.0297883) | 181.8 (128.0, 246.8)          | 0.051265 (0.0361038, 0.0695905) |
| Gorontalo | Diabetes mellitus                             | 75  | 44.7 (31.8, 61.5)             | 0.018293 (0.0130109, 0.0251549) | 246.2 (193.1, 312.7)          | 0.069418 (0.0544516, 0.0881644) |
| Gorontalo | Chronic kidney disease                        | 75  | 32.8 (22.3, 47.2)             | 0.013415 (0.0091113, 0.0192931) | 88.4 (63.5, 121.4)            | 0.024923 (0.0179050, 0.0342428) |
| Gorontalo | Cirrhosis                                     | 75  | 38.3 (25.7, 53.1)             | 0.015670 (0.0105167, 0.0217377) | 80.7 (59.2, 105.9)            | 0.022746 (0.0166804, 0.0298501) |
| Gorontalo | Chronic respiratory diseases                  | 75  | 241.0 (185.2, 304.8)          | 0.098583 (0.0757642, 0.1246746) | 512.1 (422.8, 610.1)          | 0.144408 (0.1192214, 0.1720389) |
| Gorontalo | Other non-communicable diseases               | 75  | 230.2 (173.8, 293.2)          | 0.094183 (0.0711061, 0.1199238) | 726.1 (596.0, 863.0)          | 0.204723 (0.1680440, 0.2433435) |
| Gorontalo | Drowning                                      | 75  | 3.8 (1.5, 7.8)                | 0.001551 (0.0006137, 0.0032079) | 5.2 (2.3, 10.6)               | 0.001470 (0.0006601, 0.0029894) |
| Gorontalo | Falls                                         | 75  | 14.5 (8.3, 23.1)              | 0.005917 (0.0034138, 0.0094453) | 23.3 (14.4, 34.4)             | 0.006576 (0.0040485, 0.0096875) |
| Gorontalo | Interpersonal violence                        | 75  | 0.5 (0.2, 1.2)                | 0.000201 (0.0000618, 0.0004875) | 0.8 (0.3, 2.0)                | 0.000231 (0.0000725, 0.0005766) |
| Gorontalo | Self-harm                                     | 75  | 2.5 (1.1, 4.9)                | 0.001013 (0.0004605, 0.0020061) | 3.3 (1.4, 6.6)                | 0.000927 (0.0004062, 0.0018750) |
| Gorontalo | Transport injuries                            | 75  | 7.4 (3.9, 12.7)               | 0.003042 (0.0015851, 0.0051857) | 7.7 (4.2, 12.8)               | 0.002182 (0.0011921, 0.0036093) |
| Gorontalo | Other unintentional injuries                  | 75  | 7.4 (3.9, 12.6)               | 0.003045 (0.0016055, 0.0051383) | 8.8 (4.8, 14.5)               | 0.002479 (0.0013582, 0.0040905) |
| Gorontalo | Diarrheal diseases                            | 80  | 203.5 (162.8, 248.9)          | 0.137965 (0.1103921, 0.1687208) | 670.4 (567.3, 777.7)          | 0.257548 (0.2179343, 0.2987618) |
| Gorontalo | HIV/AIDS                                      | 80  | 0.3 (0.0, 0.8)                | 0.000176 (0.0000335, 0.0005395) | 0.7 (0.1, 2.3)                | 0.000288 (0.0000566, 0.0008893) |
| Gorontalo | Lower respiratory infections                  | 80  | 46.8 (31.3, 66.6)             | 0.031747 (0.0212104, 0.0451500) | 139.9 (95.6, 191.6)           | 0.053748 (0.0367372, 0.0736113) |
| Gorontalo | Malaria                                       | 80  | 15.5 (7.2, 29.4)              | 0.010525 (0.0048859, 0.0199214) | 29.0 (13.1, 54.1)             | 0.011151 (0.0050322, 0.0207851) |
| Gorontalo | Tuberculosis                                  | 80  | 243.4 (198.8, 296.1)          | 0.165000 (0.1347685, 0.2007362) | 565.9 (481.0, 658.4)          | 0.217404 (0.1847960, 0.2529444) |
| Gorontalo | Other communicable diseases                   | 80  | 26.5 (17.8, 37.9)             | 0.017978 (0.0120580, 0.0256772) | 66.8 (46.0, 92.6)             | 0.025662 (0.0176813, 0.0355914) |
| Gorontalo | Tracheal, bronchus, and lung cancer           | 80  | 2.9 (1.0, 6.2)                | 0.001949 (0.0006832, 0.0041784) | 2.7 (1.0, 5.9)                | 0.001023 (0.0003659, 0.0022646) |
| Gorontalo | Breast cancer                                 | 80  | 0.2 (0.0, 0.5)                | 0.000120 (0.0000292, 0.0003112) | 16.5 (8.4, 27.8)              | 0.006346 (0.0032304, 0.0106861) |
| Gorontalo | Cervical cancer                               | 80  |                               |                                 | 7.8 (3.2, 16.4)               | 0.002979 (0.0012118, 0.0062863) |
| Gorontalo | Other malignant neoplasms                     | 80  | 14.1 (10.1, 18.7)             | 0.009530 (0.0068653, 0.0126619) | 45.8 (32.0, 62.3)             | 0.017612 (0.0122907, 0.0239438) |
| Gorontalo | Cerebrovascular disease                       | 80  | 385.5 (323.7, 453.3)          | 0.261382 (0.2194898, 0.3073022) | 1,335.7 (1,176.8, 1,486.7)    | 0.513139 (0.4521115, 0.5711536) |
| Gorontalo | Ischemic heart disease                        | 80  | 193.2 (155.2, 235.5)          | 0.131013 (0.1052099, 0.1596383) | 505.4 (423.2, 589.8)          | 0.194173 (0.1625638, 0.2265732) |
| Gorontalo | Other cardiovascular and circulatory diseases | 80  | 41.5 (28.1, 60.3)             | 0.028106 (0.0190759, 0.0409069) | 155.7 (109.8, 211.2)          | 0.059806 (0.0421891, 0.0811532) |
| Gorontalo | Diabetes mellitus                             | 80  | 31.6 (23.3, 41.8)             | 0.021420 (0.0158132, 0.0283069) | 185.8 (147.7, 233.8)          | 0.071375 (0.0567562, 0.0898271) |
| Gorontalo | Chronic kidney disease                        | 80  | 23.5 (16.4, 32.9)             | 0.015904 (0.0111152, 0.0223306) | 67.5 (48.3, 92.0)             | 0.025944 (0.0185549, 0.0353513) |
| Gorontalo | Cirrhosis                                     | 80  | 30.3 (21.1, 41.0)             | 0.020575 (0.0143323, 0.0278250) | 67.0 (48.8, 87.2)             | 0.025742 (0.0187542, 0.0334946) |
| Gorontalo | Chronic respiratory diseases                  | 80  | 225.2 (187.9, 269.8)          | 0.152675 (0.1273873, 0.1828960) | 476.7 (401.8, 552.9)          | 0.183136 (0.1543435, 0.2123899) |
| Gorontalo | Other non-communicable diseases               | 80  | 228.4 (185.7, 276.4)          | 0.154831 (0.1258916, 0.1874189) | 753.7 (643.6, 867.9)          | 0.289535 (0.2472484, 0.3334418) |
| Gorontalo | Drowning                                      | 80  | 3.8 (1.6, 7.8)                | 0.002597 (0.0010989, 0.0053147) | 5.2 (2.2, 10.4)               | 0.002004 (0.0008528, 0.0040005) |
| Gorontalo | Falls                                         | 80  | 18.5 (11.3, 27.2)             | 0.012516 (0.0076560, 0.0184712) | 29.7 (18.8, 41.2)             | 0.011400 (0.0072227, 0.0158161) |
| Gorontalo | Interpersonal violence                        | 80  | 0.3 (0.1, 0.8)                | 0.000209 (0.0000398, 0.0005640) | 0.5 (0.1, 1.6)                | 0.000207 (0.0000413, 0.0006074) |
| Gorontalo | Self-harm                                     | 80  | 1.8 (0.8, 3.7)                | 0.001234 (0.0005109, 0.0025423) | 2.5 (1.0, 5.5)                | 0.000972 (0.0003959, 0.0021060) |
| Gorontalo | Transport injuries                            | 80  | 5.9 (3.1, 10.1)               | 0.004026 (0.0021131, 0.0068525) | 6.2 (3.3, 10.4)               | 0.002395 (0.0012641, 0.0040127) |
| Gorontalo | Other unintentional injuries                  | 80  | 6.2 (3.1, 10.5)               | 0.004179 (0.0021336, 0.0071410) | 7.4 (3.8, 12.5)               | 0.002852 (0.0014717, 0.0048191) |
| Gorontalo | Diarrheal diseases                            | All | 6,699.4 (4,872.9, 9,257.5)    | 0.011903 (0.0086578, 0.0164479) | 10,116.3 (7,881.1, 12,983.1)  | 0.018122 (0.0141180, 0.0232575) |
| Gorontalo | HIV/AIDS                                      | All | 327.2 (99.3, 728.7)           | 0.000581 (0.0001765, 0.0012948) | 405.2 (122.9, 880.6)          | 0.000726 (0.0002201, 0.0015775) |
| Gorontalo | Lower respiratory infections                  | All | 6,610.3 (4,267.8, 9,595.4)    | 0.011745 (0.0075826, 0.0170482) | 5,217.4 (3,550.9, 7,371.1)    | 0.009346 (0.0063610, 0.0132043) |
| Gorontalo | Malaria                                       | All | 1,373.8 (757.3, 2,182.8)      | 0.002441 (0.0013455, 0.0038782) | 1,923.0 (1,111.3, 2,937.3)    | 0.003445 (0.0019907, 0.0052618) |
| Gorontalo | Tuberculosis                                  | All | 12,838.9 (10,442.6, 15,768.3) | 0.022811 (0.0185535, 0.0280158) | 18,500.1 (15,250.1, 22,490.1) | 0.033141 (0.0273185, 0.0402879) |
| Gorontalo | Maternal disorders                            | All |                               |                                 | 2,966.1 (2,045.6, 4,194.4)    | 0.005313 (0.0036645, 0.0075137) |



Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                        |                                   | Females                       |                                  |
|----------------|----------------------------------------------------------|-----|------------------------------|-----------------------------------|-------------------------------|----------------------------------|
|                |                                                          |     | YLLs (95% UI)                | YLLs per capita (95% UI)          | YLLs (95% UI)                 | YLLs per capita (95% UI)         |
| Gorontalo      | Neonatal encephalopathy due to birth asphyxia and trauma | All | 5,168.5 (2,428.4, 8,692.2)   | 0.009183 (0.0043147, 0.0154436)   | 3,178.0 (1,499.7, 5,688.1)    | 0.005693 (0.0026865, 0.0101895)  |
| Gorontalo      | Preterm birth complications                              | All | 3,171.2 (1,348.3, 5,661.1)   | 0.005634 (0.0023955, 0.0100581)   | 2,599.2 (1,149.6, 4,776.6)    | 0.004656 (0.0020594, 0.0085567)  |
| Gorontalo      | Other neonatal disorders                                 | All | 3,469.0 (1,308.6, 6,699.2)   | 0.006163 (0.0023250, 0.0119025)   | 2,052.6 (732.4, 4,231.6)      | 0.003677 (0.0013120, 0.0075803)  |
| Gorontalo      | Other communicable diseases                              | All | 8,353.3 (6,045.9, 11,571.3)  | 0.014842 (0.0107418, 0.0205588)   | 7,869.6 (5,913.1, 10,543.8)   | 0.014097 (0.0105926, 0.0188878)  |
| Gorontalo      | Tracheal, bronchus, and lung cancer                      | All | 182.9 (70.6, 371.6)          | 0.000325 (0.0001254, 0.0006603)   | 185.1 (68.3, 387.3)           | 0.000332 (0.0001224, 0.0006938)  |
| Gorontalo      | Breast cancer                                            | All | 20.2 (8.4, 41.7)             | 0.000036 (0.0000150, 0.0000740)   | 4,202.2 (2,818.2, 5,827.3)    | 0.007528 (0.0050485, 0.0104388)  |
| Gorontalo      | Cervical cancer                                          | All |                              |                                   | 2,131.5 (1,211.5, 3,427.0)    | 0.003818 (0.0021703, 0.0061391)  |
| Gorontalo      | Other malignant neoplasms                                | All | 2,238.1 (1,664.8, 2,943.3)   | 0.003977 (0.0029578, 0.0052295)   | 4,045.8 (2,823.3, 5,567.9)    | 0.007248 (0.0050575, 0.0099741)  |
| Gorontalo      | Cerebrovascular disease                                  | All | 9,443.6 (7,458.3, 11,772.4)  | 0.016779 (0.0132513, 0.0209162)   | 21,947.4 (18,155.4, 26,385.0) | 0.039316 (0.0325229, 0.0472653)  |
| Gorontalo      | Ischemic heart disease                                   | All | 6,199.9 (4,733.2, 7,889.2)   | 0.011016 (0.0084095, 0.0140168)   | 9,772.6 (7,782.4, 12,113.1)   | 0.017506 (0.0139411, 0.0216989)  |
| Gorontalo      | Other cardiovascular and circulatory diseases            | All | 1,015.4 (686.8, 1,481.3)     | 0.001804 (0.0012202, 0.0026319)   | 2,964.5 (2,053.4, 4,070.6)    | 0.005310 (0.0036783, 0.0072919)  |
| Gorontalo      | Diabetes mellitus                                        | All | 2,059.4 (1,522.6, 2,722.4)   | 0.003659 (0.0027052, 0.0048370)   | 8,338.1 (6,474.7, 10,777.2)   | 0.014937 (0.0115985, 0.0193059)  |
| Gorontalo      | Chronic kidney disease                                   | All | 1,730.9 (1,250.2, 2,438.3)   | 0.003075 (0.0022213, 0.0043322)   | 3,716.6 (2,724.3, 5,108.7)    | 0.006658 (0.0048802, 0.0091515)  |
| Gorontalo      | Cirrhosis                                                | All | 3,159.3 (2,297.2, 4,200.0)   | 0.005613 (0.0040814, 0.0074621)   | 4,183.8 (3,044.6, 5,595.0)    | 0.007495 (0.0054540, 0.0100226)  |
| Gorontalo      | Chronic respiratory diseases                             | All | 4,735.5 (3,732.5, 5,984.6)   | 0.008414 (0.0066317, 0.0106330)   | 7,626.7 (6,064.2, 9,441.7)    | 0.013662 (0.0108631, 0.0169135)  |
| Gorontalo      | Other non-communicable diseases                          | All | 9,395.0 (7,422.9, 11,705.9)  | 0.016692 (0.0131883, 0.0207980)   | 17,876.7 (14,580.7, 21,687.1) | 0.032024 (0.0261194, 0.0388495)  |
| Gorontalo      | Drowning                                                 | All | 3,141.9 (2,208.0, 4,285.1)   | 0.005582 (0.0039230, 0.0076134)   | 1,317.5 (865.5, 1,874.4)      | 0.002360 (0.0015505, 0.0033578)  |
| Gorontalo      | Falls                                                    | All | 1,190.5 (680.7, 1,812.6)     | 0.002115 (0.0012093, 0.0032204)   | 868.6 (492.1, 1,339.2)        | 0.001556 (0.0008815, 0.0023990)  |
| Gorontalo      | Interpersonal violence                                   | All | 299.4 (176.0, 476.0)         | 0.000532 (0.0003127, 0.0008457)   | 416.1 (253.2, 639.8)          | 0.000745 (0.0004536, 0.0011462)  |
| Gorontalo      | Self-harm                                                | All | 408.9 (213.3, 699.9)         | 0.000727 (0.0003789, 0.0012434)   | 580.1 (304.7, 981.1)          | 0.001039 (0.0005458, 0.0017574)  |
| Gorontalo      | Transport injuries                                       | All | 4,763.6 (3,621.8, 6,233.8)   | 0.008464 (0.0064350, 0.0110757)   | 2,872.0 (2,069.1, 3,861.9)    | 0.005145 (0.0037065, 0.0069182)  |
| Gorontalo      | Other unintentional injuries                             | All | 2,014.8 (1,353.2, 2,946.1)   | 0.003580 (0.0024043, 0.0052345)   | 1,387.8 (885.2, 2,075.9)      | 0.002486 (0.0015857, 0.0037187)  |
| Sulawesi Barat | Diarrheal diseases                                       | NN  | 364.4 (123.8, 766.2)         | 0.311504 (0.1058539, 0.6550139)   | 279.2 (95.1, 587.5)           | 0.248646 (0.0846401, 0.5231552)  |
| Sulawesi Barat | Lower respiratory infections                             | NN  | 5,230.2 (2,349.7, 9,386.8)   | 4.471264 (2.0087590, 8.0246372)   | 2,959.4 (1,321.0, 5,628.1)    | 2.635206 (1.1762990, 5.00116410) |
| Sulawesi Barat | Malaria                                                  | NN  | 30.7 (2.9, 108.8)            | 0.026278 (0.0024574, 0.0929972)   | 17.5 (1.6, 67.7)              | 0.015576 (0.0014578, 0.0602679)  |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 14,449.6 (6,637.7, 25,006.3) | 12.352760 (5.6744590, 21.3775005) | 9,224.5 (4,307.9, 16,643.8)   | 8.214072 (3.8360541, 14.8207302) |
| Sulawesi Barat | Preterm birth complications                              | NN  | 4,366.7 (1,524.0, 9,305.2)   | 3.733012 (1.3028100, 7.9549141)   | 3,706.6 (1,343.6, 8,062.3)    | 3.300560 (1.1964290, 7.1792140)  |
| Sulawesi Barat | Other neonatal disorders                                 | NN  | 7,163.1 (2,592.8, 14,271.7)  | 6.123664 (2.2165201, 12.2006998)  | 4,307.0 (1,469.1, 8,991.9)    | 3.835198 (1.3081580, 8.0070229)  |
| Sulawesi Barat | Other communicable diseases                              | NN  | 459.8 (162.5, 956.7)         | 0.393038 (0.1388936, 0.8178892)   | 246.1 (83.4, 531.6)           | 0.219151 (0.0742713, 0.4733742)  |
| Sulawesi Barat | Other malignant neoplasms                                | NN  | 342.0 (116.1, 764.8)         | 0.292373 (0.0992332, 0.6538153)   | 243.3 (79.6, 551.5)           | 0.216663 (0.0708833, 0.4910783)  |
| Sulawesi Barat | Cerebrovascular disease                                  | NN  | 67.1 (15.9, 189.3)           | 0.057365 (0.0135930, 0.1618368)   | 61.8 (14.3, 166.8)            | 0.055015 (0.0127488, 0.1485635)  |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | NN  | 54.4 (10.7, 158.0)           | 0.046521 (0.0091662, 0.1350664)   | 51.1 (9.5, 145.7)             | 0.045461 (0.0084516, 0.1297584)  |
| Sulawesi Barat | Diabetes mellitus                                        | NN  | 23.1 (0.1, 180.8)            | 0.019788 (0.0000890, 0.1545621)   | 18.2 (0.1, 162.8)             | 0.016176 (0.0000672, 0.1449270)  |
| Sulawesi Barat | Other non-communicable diseases                          | NN  | 4,789.6 (2,309.7, 7,989.6)   | 4.094582 (1.9745260, 6.8301592)   | 3,899.0 (1,932.0, 6,800.5)    | 3.471945 (1.7203370, 6.0556240)  |
| Sulawesi Barat | Drowning                                                 | NN  | 591.7 (200.3, 1,377.9)       | 0.505820 (0.1712507, 1.1779160)   | 123.5 (37.0, 296.5)           | 0.109970 (0.0329392, 0.2639991)  |
| Sulawesi Barat | Falls                                                    | NN  | 174.8 (48.2, 432.2)          | 0.149398 (0.0412307, 0.3694945)   | 50.1 (12.3, 135.0)            | 0.044616 (0.0109239, 0.1201892)  |
| Sulawesi Barat | Interpersonal violence                                   | NN  | 157.7 (43.0, 382.4)          | 0.134817 (0.0367380, 0.3268804)   | 80.0 (20.1, 208.6)            | 0.071222 (0.0178541, 0.1857612)  |
| Sulawesi Barat | Transport injuries                                       | NN  | 404.2 (121.2, 938.3)         | 0.345504 (0.1036283, 0.8021016)   | 86.0 (26.2, 206.9)            | 0.076590 (0.0233107, 0.1842693)  |
| Sulawesi Barat | Other unintentional injuries                             | NN  | 797.4 (275.3, 1,766.3)       | 0.681727 (0.2353832, 1.5100240)   | 225.0 (76.6, 480.3)           | 0.200367 (0.0682404, 0.4276510)  |
| Sulawesi Barat | Diarrheal diseases                                       | PNN | 203.2 (92.3, 383.1)          | 0.013917 (0.0063240, 0.0262371)   | 213.5 (91.2, 387.1)           | 0.015230 (0.0065089, 0.0276181)  |
| Sulawesi Barat | HIV/AIDS                                                 | PNN | 12.8 (2.3, 41.2)             | 0.000879 (0.0001549, 0.0028247)   | 9.6 (1.6, 32.3)               | 0.000686 (0.0001173, 0.0023063)  |
| Sulawesi Barat | Lower respiratory infections                             | PNN | 230.2 (111.9, 404.0)         | 0.015770 (0.0076663, 0.0276734)   | 170.8 (77.1, 313.7)           | 0.012187 (0.0054982, 0.0223825)  |
| Sulawesi Barat | Malaria                                                  | PNN | 16.9 (1.7, 60.0)             | 0.001160 (0.0001142, 0.0041128)   | 13.3 (1.3, 51.7)              | 0.000947 (0.0000922, 0.0036855)  |
| Sulawesi Barat | Tuberculosis                                             | PNN | 32.0 (11.6, 66.5)            | 0.002194 (0.0007961, 0.0045530)   | 25.5 (8.4, 54.7)              | 0.001820 (0.0005964, 0.0038992)  |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 27.1 (7.7, 73.6)             | 0.001855 (0.0005241, 0.0050393)   | 20.8 (5.5, 55.8)              | 0.001486 (0.0003951, 0.0039804)  |
| Sulawesi Barat | Preterm birth complications                              | PNN | 13.0 (3.8, 32.9)             | 0.000890 (0.0002588, 0.0022553)   | 15.2 (4.1, 41.1)              | 0.001084 (0.0002905, 0.0029322)  |
| Sulawesi Barat | Other neonatal disorders                                 | PNN | 42.2 (9.6, 117.8)            | 0.002891 (0.0006586, 0.0080656)   | 32.2 (6.7, 86.0)              | 0.002296 (0.0004753, 0.0061364)  |
| Sulawesi Barat | Other communicable diseases                              | PNN | 284.9 (130.2, 507.5)         | 0.019511 (0.0089175, 0.0347613)   | 209.0 (89.7, 401.3)           | 0.014910 (0.0063973, 0.0286267)  |
| Sulawesi Barat | Other malignant neoplasms                                | PNN | 8.8 (3.0, 19.5)              | 0.000603 (0.0002064, 0.0013357)   | 8.1 (2.9, 17.6)               | 0.000578 (0.0002093, 0.0012581)  |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|----------------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Cerebrovascular disease                                  | PNN | 1.7 (0.4, 4.8)             | 0.000120 (0.0000299, 0.0003316) | 2.1 (0.5, 5.6)             | 0.000147 (0.0000362, 0.0004030) |
| Sulawesi Barat | Ischemic heart disease                                   | PNN | 0.7 (0.0, 3.2)             | 0.000045 (0.0000028, 0.0002219) | 0.8 (0.0, 4.0)             | 0.000056 (0.0000031, 0.0002837) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | PNN | 1.4 (0.3, 4.1)             | 0.000097 (0.0000195, 0.0002822) | 1.7 (0.3, 5.1)             | 0.000120 (0.0000236, 0.0003625) |
| Sulawesi Barat | Diabetes mellitus                                        | PNN | 0.6 (0.0, 5.4)             | 0.000042 (0.0000002, 0.0003677) | 0.6 (0.0, 4.8)             | 0.000044 (0.0000002, 0.0003423) |
| Sulawesi Barat | Chronic kidney disease                                   | PNN | 7.6 (2.6, 17.4)            | 0.000523 (0.0001768, 0.0011948) | 6.7 (2.1, 15.2)            | 0.000475 (0.0001523, 0.0010863) |
| Sulawesi Barat | Other non-communicable diseases                          | PNN | 122.9 (62.5, 207.9)        | 0.008418 (0.0042833, 0.0142420) | 128.3 (59.7, 220.4)        | 0.009154 (0.0042558, 0.0157241) |
| Sulawesi Barat | Drowning                                                 | PNN | 18.5 (6.7, 39.7)           | 0.001264 (0.0004588, 0.0027185) | 5.0 (1.5, 11.4)            | 0.000354 (0.0001079, 0.0008166) |
| Sulawesi Barat | Falls                                                    | PNN | 5.3 (1.6, 12.6)            | 0.000360 (0.0001120, 0.0008637) | 1.9 (0.5, 4.8)             | 0.000138 (0.0000367, 0.0003411) |
| Sulawesi Barat | Interpersonal violence                                   | PNN | 4.6 (1.3, 11.2)            | 0.000318 (0.0000895, 0.0007666) | 3.0 (0.8, 7.8)             | 0.000216 (0.0000567, 0.0005593) |
| Sulawesi Barat | Transport injuries                                       | PNN | 12.5 (4.1, 27.7)           | 0.000855 (0.0002775, 0.0018992) | 3.4 (1.1, 7.8)             | 0.000245 (0.0000784, 0.0005590) |
| Sulawesi Barat | Other unintentional injuries                             | PNN | 23.5 (9.0, 48.2)           | 0.001607 (0.0006176, 0.0033010) | 8.6 (3.3, 18.3)            | 0.000612 (0.0002338, 0.0013072) |
| Sulawesi Barat | Diarrheal diseases                                       | 1   | 1,208.3 (400.6, 2,723.4)   | 0.019163 (0.0063538, 0.0431901) | 1,817.0 (685.8, 3,886.1)   | 0.029903 (0.0112860, 0.0639526) |
| Sulawesi Barat | HIV/AIDS                                                 | 1   | 165.0 (23.4, 583.7)        | 0.002616 (0.0003704, 0.0092567) | 183.4 (27.9, 622.9)        | 0.003019 (0.0004585, 0.0102508) |
| Sulawesi Barat | Lower respiratory infections                             | 1   | 2,902.8 (1,127.8, 6,050.6) | 0.046035 (0.0178862, 0.0959557) | 3,166.1 (1,337.7, 6,050.8) | 0.052104 (0.0220144, 0.0995765) |
| Sulawesi Barat | Malaria                                                  | 1   | 80.6 (7.7, 291.1)          | 0.001279 (0.0001225, 0.0046160) | 90.6 (8.3, 333.7)          | 0.001491 (0.0001368, 0.0054920) |
| Sulawesi Barat | Tuberculosis                                             | 1   | 430.3 (145.1, 1,023.9)     | 0.006824 (0.0023013, 0.0162373) | 508.5 (177.0, 1,239.1)     | 0.008369 (0.0029122, 0.0203909) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 191.3 (38.5, 558.6)        | 0.003034 (0.0006103, 0.0088585) | 200.6 (44.2, 574.8)        | 0.003302 (0.0007273, 0.0094598) |
| Sulawesi Barat | Preterm birth complications                              | 1   | 16.9 (2.2, 60.8)           | 0.000268 (0.0000350, 0.0009637) | 26.7 (3.6, 101.0)          | 0.000439 (0.0000600, 0.0016614) |
| Sulawesi Barat | Other neonatal disorders                                 | 1   | 44.0 (0.3, 293.9)          | 0.000697 (0.0000047, 0.0046602) | 43.4 (0.3, 317.1)          | 0.000714 (0.0000054, 0.0052187) |
| Sulawesi Barat | Other communicable diseases                              | 1   | 3,577.2 (1,440.9, 7,111.5) | 0.056731 (0.0228508, 0.1127806) | 3,824.3 (1,625.8, 7,412.5) | 0.062936 (0.0267548, 0.1219865) |
| Sulawesi Barat | Other malignant neoplasms                                | 1   | 74.5 (21.4, 181.3)         | 0.001182 (0.0003391, 0.0028754) | 114.1 (35.9, 269.6)        | 0.001878 (0.0005903, 0.0044367) |
| Sulawesi Barat | Cerebrovascular disease                                  | 1   | 16.0 (3.5, 44.3)           | 0.000254 (0.0000552, 0.0007028) | 31.4 (7.4, 85.5)           | 0.000517 (0.0001213, 0.0014079) |
| Sulawesi Barat | Ischemic heart disease                                   | 1   | 6.1 (0.4, 30.8)            | 0.000098 (0.0000056, 0.0004888) | 12.1 (0.8, 62.4)           | 0.000199 (0.0000129, 0.0010272) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | 1   | 12.3 (2.1, 38.7)           | 0.000195 (0.0000329, 0.0006134) | 24.2 (4.8, 78.8)           | 0.000398 (0.0000785, 0.0012960) |
| Sulawesi Barat | Diabetes mellitus                                        | 1   | 4.7 (0.0, 38.4)            | 0.000075 (0.0000003, 0.0006092) | 8.3 (0.0, 63.3)            | 0.000137 (0.0000006, 0.0010412) |
| Sulawesi Barat | Chronic kidney disease                                   | 1   | 62.4 (18.1, 150.9)         | 0.000989 (0.0002872, 0.0023935) | 90.6 (27.6, 221.8)         | 0.001491 (0.0004545, 0.0036499) |
| Sulawesi Barat | Cirrhosis                                                | 1   | 85.7 (22.3, 232.5)         | 0.001360 (0.0003538, 0.0036874) | 71.7 (19.0, 186.2)         | 0.001180 (0.0003126, 0.0030643) |
| Sulawesi Barat | Chronic respiratory diseases                             | 1   | 355.8 (105.2, 836.9)       | 0.005643 (0.0016676, 0.0132726) | 251.1 (73.5, 615.3)        | 0.004132 (0.0012097, 0.0101263) |
| Sulawesi Barat | Other non-communicable diseases                          | 1   | 1,042.4 (393.6, 2,059.6)   | 0.016532 (0.0062423, 0.0326624) | 1,802.5 (763.8, 3,524.4)   | 0.029664 (0.0125694, 0.0579998) |
| Sulawesi Barat | Drowning                                                 | 1   | 684.0 (225.7, 1,542.6)     | 0.010848 (0.0035787, 0.0244648) | 288.3 (97.2, 689.1)        | 0.004745 (0.0015996, 0.0113412) |
| Sulawesi Barat | Falls                                                    | 1   | 138.3 (35.8, 351.2)        | 0.002193 (0.0005674, 0.0055697) | 78.8 (20.4, 204.6)         | 0.001297 (0.0003365, 0.0033678) |
| Sulawesi Barat | Interpersonal violence                                   | 1   | 100.8 (24.2, 258.4)        | 0.001598 (0.0003839, 0.0040980) | 102.5 (25.4, 278.3)        | 0.001687 (0.0004173, 0.0045796) |
| Sulawesi Barat | Transport injuries                                       | 1   | 414.4 (122.4, 964.6)       | 0.006572 (0.0019416, 0.0152983) | 179.9 (53.2, 445.6)        | 0.002960 (0.0008754, 0.0073332) |
| Sulawesi Barat | Other unintentional injuries                             | 1   | 529.3 (166.7, 1,199.1)     | 0.008393 (0.0026441, 0.0190165) | 301.3 (104.3, 681.3)       | 0.004959 (0.0017171, 0.0112122) |
| Sulawesi Barat | Diarrheal diseases                                       | 5   | 475.9 (254.2, 747.7)       | 0.005772 (0.0030840, 0.0090697) | 498.2 (284.5, 752.5)       | 0.006482 (0.0037021, 0.0097905) |
| Sulawesi Barat | HIV/AIDS                                                 | 5   | 46.6 (7.8, 141.3)          | 0.000565 (0.0000941, 0.0017146) | 35.6 (5.2, 111.7)          | 0.000463 (0.0000672, 0.0014526) |
| Sulawesi Barat | Lower respiratory infections                             | 5   | 806.7 (520.8, 1,143.5)     | 0.009786 (0.0063169, 0.0138712) | 608.5 (401.8, 864.9)       | 0.007917 (0.0052273, 0.0112532) |
| Sulawesi Barat | Malaria                                                  | 5   | 32.0 (3.7, 111.8)          | 0.000388 (0.0000450, 0.0013559) | 24.6 (2.9, 76.0)           | 0.000320 (0.0000376, 0.0009886) |
| Sulawesi Barat | Tuberculosis                                             | 5   | 171.4 (84.6, 303.8)        | 0.002079 (0.0010262, 0.0036846) | 139.2 (67.3, 244.8)        | 0.001811 (0.0008750, 0.0031848) |
| Sulawesi Barat | Other communicable diseases                              | 5   | 1,398.7 (1,027.9, 1,840.1) | 0.016967 (0.0124681, 0.0223201) | 1,040.4 (757.4, 1,362.4)   | 0.013536 (0.0098543, 0.0177255) |
| Sulawesi Barat | Other malignant neoplasms                                | 5   | 260.0 (138.9, 440.0)       | 0.003154 (0.0016855, 0.0053368) | 277.3 (153.9, 460.8)       | 0.003608 (0.0020025, 0.0059949) |
| Sulawesi Barat | Cerebrovascular disease                                  | 5   | 38.9 (17.6, 78.6)          | 0.000471 (0.0002130, 0.0009538) | 52.4 (25.5, 94.2)          | 0.000682 (0.0003319, 0.0012254) |
| Sulawesi Barat | Ischemic heart disease                                   | 5   | 17.0 (6.0, 39.5)           | 0.000207 (0.0000722, 0.0004787) | 23.1 (8.3, 51.4)           | 0.000301 (0.0001085, 0.0006688) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | 5   | 33.8 (11.4, 82.1)          | 0.000410 (0.0001388, 0.0009960) | 45.0 (16.5, 97.3)          | 0.000586 (0.0002150, 0.0012661) |
| Sulawesi Barat | Diabetes mellitus                                        | 5   | 34.7 (12.6, 78.2)          | 0.000421 (0.0001529, 0.0009485) | 40.6 (15.8, 87.8)          | 0.000529 (0.0002052, 0.0011421) |
| Sulawesi Barat | Chronic kidney disease                                   | 5   | 75.4 (35.6, 137.8)         | 0.000914 (0.0004321, 0.0016721) | 76.4 (38.0, 133.2)         | 0.000995 (0.0004938, 0.0017328) |
| Sulawesi Barat | Cirrhosis                                                | 5   | 133.9 (59.0, 257.6)        | 0.001624 (0.0007152, 0.0031252) | 79.0 (35.9, 145.7)         | 0.001028 (0.0004668, 0.0018951) |
| Sulawesi Barat | Chronic respiratory diseases                             | 5   | 171.5 (88.3, 298.1)        | 0.002081 (0.0010716, 0.0036164) | 82.9 (37.2, 160.0)         | 0.001078 (0.0004837, 0.0020823) |
| Sulawesi Barat | Other non-communicable diseases                          | 5   | 552.1 (376.6, 775.0)       | 0.006697 (0.0045681, 0.0094009) | 663.6 (473.4, 893.9)       | 0.008634 (0.0061597, 0.0116301) |
| Sulawesi Barat | Drowning                                                 | 5   | 1,290.4 (857.8, 1,784.4)   | 0.015652 (0.0104054, 0.0216447) | 539.6 (308.9, 807.0)       | 0.007021 (0.0040184, 0.0104997) |
| Sulawesi Barat | Falls                                                    | 5   | 140.4 (59.5, 266.8)        | 0.001703 (0.0007217, 0.0032362) | 71.4 (29.5, 141.7)         | 0.000929 (0.0003834, 0.0018439) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Interpersonal violence                        | 5   | 46.1 (18.2, 96.6)          | 0.000559 (0.0002211, 0.0011717) | 41.2 (16.7, 87.4)          | 0.000536 (0.0002178, 0.0011368) |
| Sulawesi Barat | Transport injuries                            | 5   | 788.3 (459.9, 1,177.2)     | 0.009563 (0.0055791, 0.0142793) | 324.0 (175.8, 527.8)       | 0.004215 (0.0022874, 0.0068662) |
| Sulawesi Barat | Other unintentional injuries                  | 5   | 280.2 (168.9, 447.8)       | 0.003399 (0.0020491, 0.0054320) | 142.6 (79.5, 237.2)        | 0.001855 (0.0010343, 0.0030861) |
| Sulawesi Barat | Diarrheal diseases                            | 10  | 179.6 (86.5, 315.8)        | 0.002430 (0.0011704, 0.0042727) | 209.6 (104.3, 354.7)       | 0.003025 (0.0015046, 0.0051185) |
| Sulawesi Barat | HIV/AIDS                                      | 10  | 37.3 (7.4, 110.9)          | 0.000505 (0.0000998, 0.0015004) | 32.4 (6.4, 98.3)           | 0.000468 (0.0000926, 0.0014188) |
| Sulawesi Barat | Lower respiratory infections                  | 10  | 408.2 (237.2, 621.4)       | 0.005521 (0.0032093, 0.0084066) | 337.3 (199.2, 522.3)       | 0.004868 (0.0028756, 0.0075380) |
| Sulawesi Barat | Malaria                                       | 10  | 50.9 (6.9, 154.5)          | 0.000688 (0.0000928, 0.0020897) | 44.3 (6.1, 128.3)          | 0.000639 (0.0000880, 0.0018517) |
| Sulawesi Barat | Tuberculosis                                  | 10  | 313.1 (172.6, 502.0)       | 0.004235 (0.0023356, 0.0067915) | 286.2 (155.8, 456.5)       | 0.004130 (0.0022493, 0.0065882) |
| Sulawesi Barat | Maternal disorders                            | 10  |                            |                                 | 9.0 (1.5, 24.1)            | 0.000130 (0.0000212, 0.0003483) |
| Sulawesi Barat | Other communicable diseases                   | 10  | 795.4 (562.2, 1,071.2)     | 0.010761 (0.0076059, 0.0144906) | 643.3 (439.0, 864.4)       | 0.009284 (0.0063364, 0.0124748) |
| Sulawesi Barat | Other malignant neoplasms                     | 10  | 296.9 (171.7, 462.2)       | 0.004016 (0.0023230, 0.0062524) | 370.8 (231.2, 561.0)       | 0.005352 (0.0033365, 0.0080964) |
| Sulawesi Barat | Cerebrovascular disease                       | 10  | 50.3 (27.8, 89.5)          | 0.000680 (0.0003766, 0.0012110) | 74.4 (40.6, 123.2)         | 0.001073 (0.0005862, 0.0017782) |
| Sulawesi Barat | Ischemic heart disease                        | 10  | 33.7 (16.8, 60.7)          | 0.000456 (0.0002266, 0.0008205) | 49.5 (25.7, 87.7)          | 0.000714 (0.0003716, 0.0012656) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 10  | 40.5 (17.4, 83.9)          | 0.000548 (0.0002355, 0.0011346) | 60.7 (26.3, 121.6)         | 0.000875 (0.0003798, 0.0017551) |
| Sulawesi Barat | Diabetes mellitus                             | 10  | 39.2 (19.2, 69.6)          | 0.000531 (0.0002603, 0.0009420) | 52.2 (26.4, 90.5)          | 0.000754 (0.0003804, 0.0013064) |
| Sulawesi Barat | Chronic kidney disease                        | 10  | 84.4 (48.4, 135.1)         | 0.001142 (0.0006547, 0.0018271) | 97.7 (56.1, 156.7)         | 0.001410 (0.0008096, 0.0022613) |
| Sulawesi Barat | Cirrhosis                                     | 10  | 119.4 (59.1, 209.4)        | 0.001615 (0.0007989, 0.0028321) | 79.0 (38.8, 137.1)         | 0.001140 (0.0005597, 0.0019789) |
| Sulawesi Barat | Chronic respiratory diseases                  | 10  | 252.4 (149.5, 394.0)       | 0.003414 (0.0020219, 0.0053300) | 147.0 (76.1, 242.8)        | 0.002122 (0.0010978, 0.0035039) |
| Sulawesi Barat | Other non-communicable diseases               | 10  | 512.5 (370.2, 696.8)       | 0.006934 (0.0050076, 0.0094259) | 678.2 (502.5, 898.1)       | 0.009788 (0.0072520, 0.0129616) |
| Sulawesi Barat | Drowning                                      | 10  | 559.1 (336.0, 840.5)       | 0.007564 (0.0045449, 0.0113708) | 219.0 (108.9, 378.2)       | 0.003161 (0.0015723, 0.0054578) |
| Sulawesi Barat | Falls                                         | 10  | 101.3 (42.0, 193.0)        | 0.001370 (0.0005682, 0.0026104) | 51.4 (19.9, 102.9)         | 0.000742 (0.0002877, 0.0014855) |
| Sulawesi Barat | Interpersonal violence                        | 10  | 61.9 (31.5, 110.5)         | 0.000838 (0.0004255, 0.0014942) | 57.7 (27.6, 106.5)         | 0.000833 (0.0003978, 0.0015370) |
| Sulawesi Barat | Self-harm                                     | 10  | 127.1 (46.4, 250.4)        | 0.001720 (0.0006271, 0.0033880) | 101.4 (38.3, 200.8)        | 0.001463 (0.0005530, 0.0028987) |
| Sulawesi Barat | Transport injuries                            | 10  | 958.1 (656.7, 1,300.8)     | 0.012961 (0.0088839, 0.0175969) | 421.1 (252.7, 644.1)       | 0.006077 (0.0036471, 0.0092962) |
| Sulawesi Barat | Other unintentional injuries                  | 10  | 234.5 (149.4, 352.9)       | 0.003172 (0.0020217, 0.0047742) | 121.8 (69.1, 200.2)        | 0.001758 (0.0009972, 0.0028888) |
| Sulawesi Barat | Diarrheal diseases                            | 15  | 77.3 (33.4, 148.0)         | 0.001340 (0.0005797, 0.0025672) | 90.9 (37.5, 170.6)         | 0.001504 (0.0006218, 0.0028241) |
| Sulawesi Barat | HIV/AIDS                                      | 15  | 28.3 (4.8, 88.0)           | 0.000491 (0.0000833, 0.0015264) | 25.0 (4.0, 81.3)           | 0.000415 (0.0000662, 0.0013457) |
| Sulawesi Barat | Lower respiratory infections                  | 15  | 184.8 (92.8, 319.2)        | 0.003205 (0.0016100, 0.0055372) | 137.1 (67.5, 242.9)        | 0.002270 (0.0011180, 0.0040225) |
| Sulawesi Barat | Malaria                                       | 15  | 77.5 (9.7, 210.6)          | 0.001344 (0.0001679, 0.0036536) | 71.9 (9.8, 207.5)          | 0.001191 (0.0001626, 0.0034365) |
| Sulawesi Barat | Tuberculosis                                  | 15  | 418.9 (253.4, 629.9)       | 0.007266 (0.0043954, 0.0109250) | 357.6 (213.6, 536.2)       | 0.005921 (0.0035370, 0.0088779) |
| Sulawesi Barat | Maternal disorders                            | 15  |                            |                                 | 319.8 (168.0, 524.5)       | 0.005296 (0.0027819, 0.0086851) |
| Sulawesi Barat | Other communicable diseases                   | 15  | 447.1 (277.1, 674.8)       | 0.007756 (0.0048061, 0.0117045) | 351.9 (208.7, 527.7)       | 0.005827 (0.0034565, 0.0087376) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 15  | 14.6 (3.0, 40.4)           | 0.000254 (0.0000522, 0.0007010) | 10.1 (2.1, 26.9)           | 0.000167 (0.0000352, 0.0004455) |
| Sulawesi Barat | Breast cancer                                 | 15  | 1.0 (0.1, 4.3)             | 0.000018 (0.0000018, 0.0000746) | 49.4 (12.3, 125.6)         | 0.000818 (0.0002034, 0.0020797) |
| Sulawesi Barat | Cervical cancer                               | 15  |                            |                                 | 45.7 (9.5, 128.3)          | 0.000756 (0.0001571, 0.0021244) |
| Sulawesi Barat | Other malignant neoplasms                     | 15  | 233.6 (133.6, 372.1)       | 0.004052 (0.0023167, 0.0064544) | 454.6 (276.2, 689.6)       | 0.007527 (0.0045743, 0.0114182) |
| Sulawesi Barat | Cerebrovascular disease                       | 15  | 77.2 (42.1, 130.7)         | 0.001338 (0.0007302, 0.0022676) | 128.9 (69.4, 215.1)        | 0.002135 (0.0011498, 0.0035616) |
| Sulawesi Barat | Ischemic heart disease                        | 15  | 85.3 (47.2, 143.8)         | 0.001480 (0.0008180, 0.0024941) | 120.1 (65.7, 195.9)        | 0.001989 (0.0010886, 0.0032441) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 15  | 48.1 (19.2, 98.4)          | 0.000834 (0.0003325, 0.0017072) | 93.9 (35.7, 183.6)         | 0.001554 (0.0005908, 0.0030408) |
| Sulawesi Barat | Diabetes mellitus                             | 15  | 45.4 (22.5, 82.2)          | 0.000787 (0.0003909, 0.0014249) | 81.4 (39.4, 155.6)         | 0.001348 (0.0006519, 0.0025766) |
| Sulawesi Barat | Chronic kidney disease                        | 15  | 86.2 (48.9, 142.0)         | 0.001495 (0.0008477, 0.0024622) | 136.0 (80.1, 228.8)        | 0.002252 (0.0013268, 0.0037881) |
| Sulawesi Barat | Cirrhosis                                     | 15  | 116.7 (55.2, 204.0)        | 0.002024 (0.0009576, 0.0035381) | 100.1 (48.4, 178.3)        | 0.001658 (0.0008020, 0.0029519) |
| Sulawesi Barat | Chronic respiratory diseases                  | 15  | 164.7 (88.9, 275.3)        | 0.002857 (0.0015415, 0.0047758) | 153.9 (79.4, 262.3)        | 0.002549 (0.0013149, 0.0043427) |
| Sulawesi Barat | Other non-communicable diseases               | 15  | 486.7 (339.5, 672.1)       | 0.008441 (0.0058887, 0.0116572) | 775.1 (541.6, 1,047.4)     | 0.012834 (0.0089688, 0.0173435) |
| Sulawesi Barat | Drowning                                      | 15  | 310.2 (163.6, 508.4)       | 0.005380 (0.0028376, 0.0088180) | 139.1 (64.0, 249.7)        | 0.002304 (0.0010602, 0.0041339) |
| Sulawesi Barat | Falls                                         | 15  | 86.0 (38.5, 162.5)         | 0.001492 (0.0006671, 0.0028179) | 54.6 (22.7, 110.1)         | 0.000904 (0.0003751, 0.0018231) |
| Sulawesi Barat | Interpersonal violence                        | 15  | 97.2 (53.3, 164.1)         | 0.001685 (0.0009245, 0.0028457) | 127.9 (65.1, 235.4)        | 0.002118 (0.0010780, 0.0038986) |
| Sulawesi Barat | Self-harm                                     | 15  | 159.7 (75.4, 282.4)        | 0.002770 (0.0013076, 0.0048976) | 183.8 (86.4, 329.9)        | 0.003043 (0.0014309, 0.0054628) |
| Sulawesi Barat | Transport injuries                            | 15  | 2,048.0 (1,565.8, 2,569.1) | 0.035522 (0.0271593, 0.0445617) | 1,382.0 (1,011.4, 1,829.7) | 0.022884 (0.0167479, 0.0302963) |
| Sulawesi Barat | Other unintentional injuries                  | 15  | 267.8 (172.3, 393.7)       | 0.004645 (0.0029887, 0.0068290) | 185.5 (101.0, 294.2)       | 0.003072 (0.0016716, 0.0048715) |
| Sulawesi Barat | Diarrheal diseases                            | 20  | 68.9 (30.1, 129.4)         | 0.001419 (0.0006207, 0.0026641) | 63.8 (25.8, 122.8)         | 0.001225 (0.0004959, 0.0023568) |
| Sulawesi Barat | HIV/AIDS                                      | 20  | 86.1 (18.2, 231.7)         | 0.001773 (0.0003747, 0.0047696) | 55.8 (12.3, 148.4)         | 0.001071 (0.0002367, 0.0028476) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Sulawesi Barat | Lower respiratory infections                  | 20  | 166.8 (81.2, 301.9)        | 0.003434 (0.0016711, 0.0062154) | 87.8 (41.6, 161.2)     | 0.001685 (0.0007991, 0.0030936) |
| Sulawesi Barat | Malaria                                       | 20  | 86.0 (11.6, 227.6)         | 0.001771 (0.0002398, 0.0046858) | 57.3 (8.1, 152.1)      | 0.001099 (0.0001562, 0.0029192) |
| Sulawesi Barat | Tuberculosis                                  | 20  | 755.8 (487.8, 1,096.3)     | 0.015561 (0.0100434, 0.0225713) | 403.7 (239.4, 603.7)   | 0.007746 (0.0045944, 0.0115836) |
| Sulawesi Barat | Maternal disorders                            | 20  |                            |                                 | 846.9 (552.4, 1,188.9) | 0.016249 (0.0105989, 0.0228127) |
| Sulawesi Barat | Other communicable diseases                   | 20  | 519.4 (318.3, 787.9)       | 0.010695 (0.0065527, 0.0162214) | 329.8 (190.4, 507.6)   | 0.006329 (0.0036525, 0.0097396) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 20  | 10.9 (2.5, 31.2)           | 0.000225 (0.0000512, 0.0006425) | 14.3 (3.5, 35.2)       | 0.000275 (0.0000669, 0.0006754) |
| Sulawesi Barat | Breast cancer                                 | 20  | 1.2 (0.2, 3.8)             | 0.000025 (0.0000044, 0.0000783) | 127.5 (47.0, 264.1)    | 0.002447 (0.0009019, 0.0050680) |
| Sulawesi Barat | Cervical cancer                               | 20  |                            |                                 | 107.1 (27.0, 263.9)    | 0.002056 (0.0005188, 0.0050641) |
| Sulawesi Barat | Other malignant neoplasms                     | 20  | 192.2 (108.2, 315.2)       | 0.003958 (0.0022280, 0.0064892) | 456.9 (262.4, 703.7)   | 0.008766 (0.0050345, 0.0135018) |
| Sulawesi Barat | Cerebrovascular disease                       | 20  | 133.7 (81.5, 215.0)        | 0.002752 (0.0016780, 0.0044257) | 201.3 (120.8, 307.3)   | 0.003863 (0.0023175, 0.0058971) |
| Sulawesi Barat | Ischemic heart disease                        | 20  | 142.1 (84.3, 227.4)        | 0.002926 (0.0017362, 0.0046822) | 138.0 (82.9, 215.8)    | 0.002647 (0.0015900, 0.0041408) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 20  | 66.4 (31.3, 119.9)         | 0.001367 (0.0006448, 0.0024696) | 129.2 (59.4, 233.2)    | 0.002478 (0.0011402, 0.0044744) |
| Sulawesi Barat | Diabetes mellitus                             | 20  | 38.5 (19.8, 65.5)          | 0.000793 (0.0004069, 0.0013485) | 69.3 (37.6, 120.0)     | 0.001330 (0.0007205, 0.0023020) |
| Sulawesi Barat | Chronic kidney disease                        | 20  | 116.8 (68.1, 185.6)        | 0.002404 (0.0014024, 0.0038210) | 181.2 (110.4, 274.9)   | 0.003477 (0.0021189, 0.0052748) |
| Sulawesi Barat | Cirrhosis                                     | 20  | 165.4 (79.6, 275.0)        | 0.003405 (0.0016392, 0.0056618) | 151.2 (76.1, 248.4)    | 0.002901 (0.0014602, 0.0047670) |
| Sulawesi Barat | Chronic respiratory diseases                  | 20  | 292.0 (177.9, 456.8)       | 0.006011 (0.0036636, 0.0094046) | 348.7 (216.5, 536.4)   | 0.006692 (0.0041532, 0.0102920) |
| Sulawesi Barat | Other non-communicable diseases               | 20  | 424.9 (284.5, 602.3)       | 0.008748 (0.0058581, 0.0124015) | 648.7 (456.5, 885.0)   | 0.012446 (0.0087597, 0.0169804) |
| Sulawesi Barat | Drowning                                      | 20  | 221.4 (107.3, 389.8)       | 0.004559 (0.0022101, 0.0080249) | 105.3 (45.6, 204.3)    | 0.002020 (0.0008750, 0.0039209) |
| Sulawesi Barat | Falls                                         | 20  | 80.9 (34.5, 152.0)         | 0.001667 (0.0007094, 0.0031297) | 52.2 (22.4, 104.3)     | 0.001002 (0.0004293, 0.0020016) |
| Sulawesi Barat | Interpersonal violence                        | 20  | 105.3 (56.1, 180.7)        | 0.002169 (0.0011549, 0.0037202) | 119.8 (58.0, 218.9)    | 0.002300 (0.0011126, 0.0041998) |
| Sulawesi Barat | Self-harm                                     | 20  | 146.6 (66.7, 257.5)        | 0.003018 (0.0013737, 0.0053007) | 142.9 (67.4, 270.8)    | 0.002741 (0.0012937, 0.0051953) |
| Sulawesi Barat | Transport injuries                            | 20  | 1,632.7 (1,182.4, 2,186.4) | 0.033616 (0.0243449, 0.0450167) | 984.3 (684.4, 1,375.5) | 0.018886 (0.0131324, 0.0263932) |
| Sulawesi Barat | Other unintentional injuries                  | 20  | 276.9 (171.3, 428.1)       | 0.005701 (0.0035275, 0.0088146) | 178.4 (96.6, 295.3)    | 0.003423 (0.0018540, 0.0056668) |
| Sulawesi Barat | Diarrheal diseases                            | 25  | 106.8 (49.4, 196.8)        | 0.002078 (0.0009603, 0.0038292) | 131.4 (59.1, 240.6)    | 0.002448 (0.0011022, 0.0044846) |
| Sulawesi Barat | HIV/AIDS                                      | 25  | 167.4 (37.4, 417.1)        | 0.003256 (0.0007279, 0.0081155) | 146.4 (35.9, 360.0)    | 0.002727 (0.0006688, 0.0067085) |
| Sulawesi Barat | Lower respiratory infections                  | 25  | 189.4 (88.7, 347.3)        | 0.003685 (0.0017263, 0.0067575) | 131.3 (62.1, 251.6)    | 0.002447 (0.0011580, 0.0046887) |
| Sulawesi Barat | Malaria                                       | 25  | 95.9 (12.7, 265.4)         | 0.001867 (0.0002475, 0.0051640) | 85.9 (11.8, 236.8)     | 0.001602 (0.0002191, 0.0044127) |
| Sulawesi Barat | Tuberculosis                                  | 25  | 1,058.0 (712.2, 1,508.0)   | 0.020585 (0.0138566, 0.0293397) | 751.7 (443.2, 1,083.8) | 0.014008 (0.0082587, 0.0201985) |
| Sulawesi Barat | Maternal disorders                            | 25  |                            |                                 | 692.8 (416.1, 1,041.5) | 0.012912 (0.0077548, 0.0194096) |
| Sulawesi Barat | Other communicable diseases                   | 25  | 611.4 (385.4, 906.6)       | 0.011896 (0.0074990, 0.0176390) | 513.8 (304.5, 759.2)   | 0.009574 (0.0056751, 0.0141487) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 25  | 16.3 (3.8, 43.2)           | 0.000318 (0.0000742, 0.0008396) | 21.2 (5.3, 49.4)       | 0.000395 (0.0000997, 0.0009211) |
| Sulawesi Barat | Breast cancer                                 | 25  | 1.4 (0.3, 4.4)             | 0.000027 (0.0000052, 0.0000849) | 289.4 (125.8, 525.4)   | 0.005392 (0.0023439, 0.0097911) |
| Sulawesi Barat | Cervical cancer                               | 25  |                            |                                 | 189.4 (59.1, 431.6)    | 0.003529 (0.0011010, 0.0080438) |
| Sulawesi Barat | Other malignant neoplasms                     | 25  | 276.8 (158.0, 442.0)       | 0.005385 (0.0030739, 0.0086002) | 558.5 (318.0, 885.7)   | 0.010408 (0.0059263, 0.0165055) |
| Sulawesi Barat | Cerebrovascular disease                       | 25  | 260.7 (168.8, 384.4)       | 0.005072 (0.0032836, 0.0074791) | 381.0 (246.8, 558.6)   | 0.007100 (0.0045988, 0.0104095) |
| Sulawesi Barat | Ischemic heart disease                        | 25  | 286.4 (180.1, 425.9)       | 0.005572 (0.0035034, 0.0082870) | 261.2 (163.0, 394.1)   | 0.004868 (0.0030374, 0.0073453) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 25  | 95.2 (46.6, 172.9)         | 0.001852 (0.0009072, 0.0033644) | 185.4 (87.4, 327.6)    | 0.003455 (0.0016292, 0.0061055) |
| Sulawesi Barat | Diabetes mellitus                             | 25  | 69.1 (41.5, 115.4)         | 0.001345 (0.0008083, 0.0022457) | 121.4 (72.2, 192.7)    | 0.002263 (0.0013463, 0.0035908) |
| Sulawesi Barat | Chronic kidney disease                        | 25  | 139.3 (85.3, 211.3)        | 0.002710 (0.0016606, 0.0041110) | 212.0 (132.2, 307.2)   | 0.003950 (0.0024635, 0.0057247) |
| Sulawesi Barat | Cirrhosis                                     | 25  | 250.6 (130.2, 405.9)       | 0.004876 (0.0025326, 0.0078975) | 223.0 (115.1, 359.7)   | 0.004156 (0.0021443, 0.0067035) |
| Sulawesi Barat | Chronic respiratory diseases                  | 25  | 384.6 (233.7, 591.1)       | 0.007483 (0.0045476, 0.0115009) | 469.7 (287.7, 722.7)   | 0.008754 (0.0053621, 0.0134683) |
| Sulawesi Barat | Other non-communicable diseases               | 25  | 537.9 (370.1, 752.0)       | 0.010466 (0.0072005, 0.0146304) | 810.6 (571.8, 1,107.8) | 0.015106 (0.0106569, 0.0206441) |
| Sulawesi Barat | Drowning                                      | 25  | 171.5 (75.1, 328.6)        | 0.003338 (0.0014605, 0.0063937) | 73.6 (30.1, 148.7)     | 0.001371 (0.0005608, 0.0027718) |
| Sulawesi Barat | Falls                                         | 25  | 129.5 (54.6, 232.1)        | 0.002520 (0.0010616, 0.0045150) | 77.1 (31.3, 152.5)     | 0.001437 (0.0005835, 0.0028415) |
| Sulawesi Barat | Interpersonal violence                        | 25  | 109.9 (57.0, 193.6)        | 0.002138 (0.0011096, 0.0037667) | 118.1 (56.6, 210.5)    | 0.002201 (0.0010547, 0.0039220) |
| Sulawesi Barat | Self-harm                                     | 25  | 139.5 (62.6, 255.5)        | 0.002715 (0.0012177, 0.0049714) | 128.5 (58.6, 244.0)    | 0.002395 (0.0010914, 0.0045463) |
| Sulawesi Barat | Transport injuries                            | 25  | 1,281.5 (892.7, 1,808.0)   | 0.024934 (0.0173691, 0.0351766) | 651.5 (399.8, 1,012.4) | 0.012141 (0.0074501, 0.0188665) |
| Sulawesi Barat | Other unintentional injuries                  | 25  | 353.6 (215.9, 573.5)       | 0.006881 (0.0042012, 0.0111585) | 213.2 (116.6, 353.3)   | 0.003973 (0.0021727, 0.0065834) |
| Sulawesi Barat | Diarrheal diseases                            | 30  | 106.3 (48.4, 191.4)        | 0.002168 (0.0009875, 0.0039039) | 132.9 (56.7, 233.2)    | 0.002696 (0.0011508, 0.0047316) |
| Sulawesi Barat | HIV/AIDS                                      | 30  | 156.1 (36.4, 397.8)        | 0.003184 (0.0007426, 0.0081136) | 139.6 (34.1, 339.8)    | 0.002832 (0.0006928, 0.0068961) |
| Sulawesi Barat | Lower respiratory infections                  | 30  | 156.1 (74.5, 296.3)        | 0.003185 (0.0015199, 0.0060437) | 113.3 (54.4, 218.5)    | 0.002300 (0.0011033, 0.0044346) |
| Sulawesi Barat | Malaria                                       | 30  | 76.9 (10.0, 207.7)         | 0.001569 (0.0002030, 0.0042371) | 65.7 (9.3, 192.9)      | 0.001333 (0.0001888, 0.0039149) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                    |                                 | Females                  |                                 |
|----------------|-----------------------------------------------|-----|--------------------------|---------------------------------|--------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Sulawesi Barat | Tuberculosis                                  | 30  | 996.9 (674.2, 1,407.7)   | 0.020335 (0.0137522, 0.0287140) | 684.1 (409.9, 997.8)     | 0.013881 (0.0083167, 0.0202477) |
| Sulawesi Barat | Maternal disorders                            | 30  |                          |                                 | 704.2 (419.0, 1,066.5)   | 0.014289 (0.0085032, 0.0216417) |
| Sulawesi Barat | Other communicable diseases                   | 30  | 379.2 (226.7, 581.3)     | 0.007735 (0.0046235, 0.0118563) | 330.6 (186.4, 525.8)     | 0.006708 (0.0037816, 0.0106690) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 30  | 33.8 (7.8, 92.1)         | 0.000689 (0.0001597, 0.0018791) | 24.4 (6.2, 59.4)         | 0.000495 (0.0001266, 0.0012057) |
| Sulawesi Barat | Breast cancer                                 | 30  | 1.9 (0.3, 6.3)           | 0.000039 (0.0000060, 0.0001284) | 463.5 (213.9, 796.8)     | 0.009406 (0.0043412, 0.0161690) |
| Sulawesi Barat | Cervical cancer                               | 30  |                          |                                 | 296.1 (95.4, 635.8)      | 0.006009 (0.0019349, 0.0129009) |
| Sulawesi Barat | Other malignant neoplasms                     | 30  | 356.5 (210.6, 573.5)     | 0.007271 (0.0042963, 0.0116978) | 578.9 (317.5, 960.1)     | 0.011746 (0.0064417, 0.0194822) |
| Sulawesi Barat | Cerebrovascular disease                       | 30  | 416.1 (278.8, 588.5)     | 0.008487 (0.0056865, 0.0120045) | 615.3 (419.4, 866.5)     | 0.012485 (0.0085095, 0.0175817) |
| Sulawesi Barat | Ischemic heart disease                        | 30  | 438.8 (292.7, 626.4)     | 0.008951 (0.0059706, 0.0127773) | 387.5 (253.5, 577.4)     | 0.007863 (0.0051449, 0.0117154) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 30  | 118.9 (59.6, 210.6)      | 0.002424 (0.0012147, 0.0042956) | 232.7 (115.1, 399.3)     | 0.004721 (0.0023364, 0.0081021) |
| Sulawesi Barat | Diabetes mellitus                             | 30  | 116.0 (72.0, 186.8)      | 0.002366 (0.0014681, 0.0038094) | 199.2 (122.3, 312.8)     | 0.004042 (0.0024822, 0.0063472) |
| Sulawesi Barat | Chronic kidney disease                        | 30  | 156.7 (100.4, 232.2)     | 0.003196 (0.0020477, 0.0047365) | 230.1 (145.6, 339.6)     | 0.004670 (0.0029542, 0.0068909) |
| Sulawesi Barat | Cirrhosis                                     | 30  | 321.8 (171.7, 508.6)     | 0.006563 (0.0035013, 0.0103732) | 292.4 (150.1, 467.8)     | 0.005933 (0.0030453, 0.0094921) |
| Sulawesi Barat | Chronic respiratory diseases                  | 30  | 402.0 (241.5, 615.6)     | 0.008200 (0.0049269, 0.0125574) | 493.0 (305.7, 763.9)     | 0.010003 (0.0062028, 0.0155014) |
| Sulawesi Barat | Other non-communicable diseases               | 30  | 568.8 (394.9, 787.3)     | 0.011602 (0.0080549, 0.0160589) | 867.1 (607.6, 1,191.8)   | 0.017595 (0.0123298, 0.0241845) |
| Sulawesi Barat | Drowning                                      | 30  | 163.9 (75.8, 305.5)      | 0.003342 (0.0015466, 0.0062305) | 83.0 (34.2, 169.8)       | 0.001683 (0.0006934, 0.0034448) |
| Sulawesi Barat | Falls                                         | 30  | 137.2 (57.6, 249.2)      | 0.002799 (0.0011746, 0.0050827) | 92.4 (38.4, 177.3)       | 0.001876 (0.0007786, 0.0035968) |
| Sulawesi Barat | Interpersonal violence                        | 30  | 85.3 (43.1, 152.6)       | 0.001740 (0.0008798, 0.0031127) | 91.9 (41.3, 169.5)       | 0.001864 (0.0008371, 0.0034395) |
| Sulawesi Barat | Self-harm                                     | 30  | 108.5 (47.7, 203.5)      | 0.002214 (0.0009730, 0.0041506) | 98.2 (43.3, 185.7)       | 0.001992 (0.0008786, 0.0037685) |
| Sulawesi Barat | Transport injuries                            | 30  | 1,028.8 (696.3, 1,459.6) | 0.020985 (0.0142030, 0.0297714) | 555.1 (342.3, 872.7)     | 0.011264 (0.0069467, 0.0177086) |
| Sulawesi Barat | Other unintentional injuries                  | 30  | 307.0 (183.2, 484.6)     | 0.006261 (0.0037365, 0.0098836) | 194.7 (103.6, 327.8)     | 0.003952 (0.0021014, 0.0066522) |
| Sulawesi Barat | Diarrheal diseases                            | 35  | 86.5 (38.6, 152.7)       | 0.001885 (0.0008420, 0.0033291) | 106.8 (45.6, 195.9)      | 0.002356 (0.0010065, 0.0043198) |
| Sulawesi Barat | HIV/AIDS                                      | 35  | 127.7 (30.0, 327.6)      | 0.002782 (0.0006538, 0.0071408) | 107.3 (26.1, 286.8)      | 0.002366 (0.0005749, 0.0063242) |
| Sulawesi Barat | Lower respiratory infections                  | 35  | 150.4 (71.4, 289.8)      | 0.003277 (0.0015570, 0.0063164) | 109.2 (49.9, 216.3)      | 0.002408 (0.0010998, 0.0047694) |
| Sulawesi Barat | Malaria                                       | 35  | 65.6 (8.7, 180.1)        | 0.001430 (0.0001891, 0.0039252) | 50.5 (7.1, 147.5)        | 0.001113 (0.0001562, 0.0032528) |
| Sulawesi Barat | Tuberculosis                                  | 35  | 1,003.6 (671.0, 1,415.4) | 0.021874 (0.0146239, 0.0308495) | 625.3 (352.0, 964.0)     | 0.013787 (0.0077612, 0.0212560) |
| Sulawesi Barat | Maternal disorders                            | 35  |                          |                                 | 1,041.4 (627.5, 1,536.7) | 0.022962 (0.0138347, 0.0338822) |
| Sulawesi Barat | Other communicable diseases                   | 35  | 311.7 (177.4, 480.0)     | 0.006793 (0.0038668, 0.0104617) | 274.2 (143.9, 456.0)     | 0.006046 (0.0031721, 0.0100543) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 35  | 24.9 (6.0, 62.0)         | 0.000543 (0.0001312, 0.0013512) | 34.4 (9.8, 82.4)         | 0.000759 (0.0002156, 0.0018168) |
| Sulawesi Barat | Breast cancer                                 | 35  | 3.7 (0.6, 11.7)          | 0.000081 (0.0000140, 0.0002551) | 669.2 (291.7, 1,148.5)   | 0.014755 (0.0064325, 0.0253223) |
| Sulawesi Barat | Cervical cancer                               | 35  |                          |                                 | 532.8 (181.9, 1,113.4)   | 0.011748 (0.0040112, 0.0245499) |
| Sulawesi Barat | Other malignant neoplasms                     | 35  | 503.5 (310.2, 785.8)     | 0.010975 (0.0067599, 0.0171275) | 640.3 (310.8, 1,109.0)   | 0.014119 (0.0068530, 0.0244521) |
| Sulawesi Barat | Cerebrovascular disease                       | 35  | 672.2 (464.1, 925.8)     | 0.014651 (0.0101153, 0.0201776) | 1,098.4 (748.4, 1,549.9) | 0.024218 (0.0165023, 0.0341742) |
| Sulawesi Barat | Ischemic heart disease                        | 35  | 645.1 (436.4, 899.1)     | 0.014060 (0.0095105, 0.0195957) | 631.9 (411.8, 965.1)     | 0.013934 (0.0090805, 0.0212785) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 35  | 159.3 (80.5, 282.0)      | 0.003471 (0.0017550, 0.0061461) | 329.7 (160.6, 567.1)     | 0.007269 (0.0035403, 0.0125032) |
| Sulawesi Barat | Diabetes mellitus                             | 35  | 221.0 (138.2, 331.5)     | 0.004817 (0.0030118, 0.0072256) | 395.2 (248.2, 598.0)     | 0.008714 (0.0054720, 0.0131843) |
| Sulawesi Barat | Chronic kidney disease                        | 35  | 191.0 (123.6, 287.0)     | 0.004163 (0.0026944, 0.0062561) | 287.1 (180.5, 431.5)     | 0.006330 (0.0039798, 0.0095133) |
| Sulawesi Barat | Cirrhosis                                     | 35  | 401.9 (213.3, 626.9)     | 0.008759 (0.0046490, 0.0136629) | 400.5 (203.9, 650.0)     | 0.008831 (0.0044968, 0.0143309) |
| Sulawesi Barat | Chronic respiratory diseases                  | 35  | 495.5 (299.9, 737.0)     | 0.010799 (0.0065363, 0.0160639) | 611.6 (370.2, 946.9)     | 0.013486 (0.0081614, 0.0208775) |
| Sulawesi Barat | Other non-communicable diseases               | 35  | 609.2 (423.2, 859.3)     | 0.013277 (0.0092232, 0.0187296) | 1,008.7 (694.9, 1,419.9) | 0.022242 (0.0153213, 0.0313080) |
| Sulawesi Barat | Drowning                                      | 35  | 186.7 (89.3, 345.1)      | 0.004069 (0.0019453, 0.0075223) | 123.9 (50.5, 240.9)      | 0.002733 (0.0011146, 0.0053121) |
| Sulawesi Barat | Falls                                         | 35  | 129.9 (55.5, 245.4)      | 0.002830 (0.0012099, 0.0053487) | 108.5 (45.7, 213.5)      | 0.002392 (0.0010073, 0.0047085) |
| Sulawesi Barat | Interpersonal violence                        | 35  | 74.1 (37.2, 130.0)       | 0.001615 (0.0008103, 0.0028329) | 84.8 (36.9, 166.5)       | 0.001869 (0.0008138, 0.0036707) |
| Sulawesi Barat | Self-harm                                     | 35  | 102.4 (46.5, 187.7)      | 0.002231 (0.0010136, 0.0040908) | 96.0 (41.7, 189.6)       | 0.002117 (0.0009200, 0.0041804) |
| Sulawesi Barat | Transport injuries                            | 35  | 811.4 (523.5, 1,186.8)   | 0.017685 (0.0114094, 0.0258674) | 502.4 (292.2, 808.9)     | 0.011077 (0.0064423, 0.0178358) |
| Sulawesi Barat | Other unintentional injuries                  | 35  | 283.1 (162.4, 442.6)     | 0.006170 (0.0035405, 0.0096469) | 203.5 (107.5, 347.4)     | 0.004487 (0.0023701, 0.0076596) |
| Sulawesi Barat | Diarrheal diseases                            | 40  | 82.5 (39.6, 154.2)       | 0.002149 (0.0010314, 0.0040178) | 177.5 (86.3, 312.1)      | 0.004811 (0.0023384, 0.0084577) |
| Sulawesi Barat | HIV/AIDS                                      | 40  | 59.3 (13.8, 167.7)       | 0.001544 (0.0003605, 0.0043675) | 82.8 (19.1, 220.7)       | 0.002244 (0.0005180, 0.0059803) |
| Sulawesi Barat | Lower respiratory infections                  | 40  | 131.6 (63.9, 260.2)      | 0.003428 (0.0016642, 0.0067792) | 170.4 (83.3, 319.9)      | 0.004619 (0.0022561, 0.0086703) |
| Sulawesi Barat | Malaria                                       | 40  | 58.4 (7.9, 156.9)        | 0.001521 (0.0002069, 0.0040864) | 68.9 (9.6, 200.8)        | 0.001867 (0.0002613, 0.0054418) |
| Sulawesi Barat | Tuberculosis                                  | 40  | 840.8 (561.2, 1,185.3)   | 0.021903 (0.0146196, 0.0308775) | 796.9 (502.3, 1,166.5)   | 0.021597 (0.0136135, 0.0316114) |
| Sulawesi Barat | Maternal disorders                            | 40  |                          |                                 | 51.0 (22.0, 98.8)        | 0.001383 (0.0005952, 0.0026788) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Other communicable diseases                   | 40  | 265.6 (154.3, 408.7)     | 0.006919 (0.0040207, 0.0106475) | 425.3 (235.5, 659.8)       | 0.011525 (0.0063833, 0.0178805) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 40  | 45.4 (13.3, 103.2)       | 0.001183 (0.0003472, 0.0026889) | 35.5 (10.6, 89.0)          | 0.000961 (0.0002862, 0.0024121) |
| Sulawesi Barat | Breast cancer                                 | 40  | 6.2 (1.2, 16.5)          | 0.000162 (0.0000321, 0.0004303) | 783.4 (378.6, 1,284.9)     | 0.021230 (0.0102613, 0.0348201) |
| Sulawesi Barat | Cervical cancer                               | 40  |                          |                                 | 543.7 (206.6, 1,092.4)     | 0.014735 (0.0055982, 0.0296039) |
| Sulawesi Barat | Other malignant neoplasms                     | 40  | 599.9 (366.5, 950.2)     | 0.015627 (0.0095478, 0.0247524) | 594.6 (299.7, 1,003.6)     | 0.016114 (0.0081218, 0.0271974) |
| Sulawesi Barat | Cerebrovascular disease                       | 40  | 1,015.4 (719.7, 1,344.0) | 0.026449 (0.0187471, 0.0350119) | 1,496.4 (1,057.0, 2,047.6) | 0.040553 (0.0286463, 0.0554893) |
| Sulawesi Barat | Ischemic heart disease                        | 40  | 946.5 (659.4, 1,296.6)   | 0.024657 (0.0171765, 0.0337759) | 788.7 (532.2, 1,156.2)     | 0.021374 (0.0144235, 0.0313331) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 40  | 213.1 (109.6, 362.7)     | 0.005551 (0.0028561, 0.0094470) | 385.2 (189.3, 665.7)       | 0.010440 (0.0051309, 0.0180416) |
| Sulawesi Barat | Diabetes mellitus                             | 40  | 432.6 (287.6, 623.6)     | 0.011269 (0.0074921, 0.0162442) | 659.2 (444.4, 943.2)       | 0.017865 (0.0120426, 0.0255614) |
| Sulawesi Barat | Chronic kidney disease                        | 40  | 229.7 (151.9, 343.4)     | 0.005982 (0.0039572, 0.0089444) | 285.8 (184.3, 422.7)       | 0.007746 (0.0049955, 0.0114564) |
| Sulawesi Barat | Cirrhosis                                     | 40  | 462.9 (248.1, 724.2)     | 0.012057 (0.0064623, 0.0188660) | 424.3 (218.7, 670.6)       | 0.011500 (0.0059262, 0.0181724) |
| Sulawesi Barat | Chronic respiratory diseases                  | 40  | 561.0 (350.9, 825.0)     | 0.014613 (0.0091409, 0.0214897) | 602.6 (379.1, 907.2)       | 0.016330 (0.0102739, 0.0245848) |
| Sulawesi Barat | Other non-communicable diseases               | 40  | 630.4 (435.0, 878.9)     | 0.016422 (0.0113312, 0.0228938) | 932.3 (647.5, 1,325.6)     | 0.025264 (0.0175471, 0.0359237) |
| Sulawesi Barat | Drowning                                      | 40  | 89.5 (39.3, 165.7)       | 0.002331 (0.0010229, 0.0043155) | 68.2 (27.7, 136.3)         | 0.001848 (0.0007493, 0.0036937) |
| Sulawesi Barat | Falls                                         | 40  | 103.2 (45.9, 199.1)      | 0.002687 (0.0011955, 0.0051867) | 91.3 (40.2, 182.3)         | 0.002476 (0.0010891, 0.0049394) |
| Sulawesi Barat | Interpersonal violence                        | 40  | 53.6 (26.0, 95.9)        | 0.001395 (0.0006771, 0.0024975) | 51.1 (22.5, 104.2)         | 0.001386 (0.0006088, 0.0028239) |
| Sulawesi Barat | Self-harm                                     | 40  | 84.3 (38.8, 160.3)       | 0.002197 (0.0010099, 0.0041761) | 63.5 (26.7, 129.7)         | 0.001720 (0.0007240, 0.0035159) |
| Sulawesi Barat | Transport injuries                            | 40  | 601.5 (366.5, 901.3)     | 0.015669 (0.0095473, 0.0234779) | 362.5 (202.5, 591.8)       | 0.009825 (0.0054892, 0.0160387) |
| Sulawesi Barat | Other unintentional injuries                  | 40  | 209.1 (116.4, 344.9)     | 0.005448 (0.0030326, 0.0089834) | 138.7 (71.1, 231.6)        | 0.003760 (0.0019257, 0.0062769) |
| Sulawesi Barat | Diarrheal diseases                            | 45  | 68.3 (32.3, 124.6)       | 0.002456 (0.0011621, 0.0044823) | 164.0 (78.2, 293.5)        | 0.005944 (0.0028355, 0.0106367) |
| Sulawesi Barat | HIV/AIDS                                      | 45  | 24.2 (4.9, 71.1)         | 0.000870 (0.0001774, 0.0025570) | 38.2 (8.3, 110.8)          | 0.001385 (0.0003011, 0.0040169) |
| Sulawesi Barat | Lower respiratory infections                  | 45  | 122.8 (59.8, 230.6)      | 0.004415 (0.0021514, 0.0082935) | 191.1 (96.9, 354.9)        | 0.006925 (0.0035133, 0.0128628) |
| Sulawesi Barat | Malaria                                       | 45  | 40.4 (5.7, 106.6)        | 0.001452 (0.0002043, 0.0038357) | 50.7 (7.4, 148.5)          | 0.001838 (0.0002691, 0.0053800) |
| Sulawesi Barat | Tuberculosis                                  | 45  | 662.6 (430.5, 943.7)     | 0.023832 (0.0154844, 0.0339421) | 721.4 (455.7, 1,046.4)     | 0.026144 (0.0165153, 0.0379231) |
| Sulawesi Barat | Maternal disorders                            | 45  |                          |                                 | 19.0 (7.0, 40.1)           | 0.000687 (0.0002552, 0.0014539) |
| Sulawesi Barat | Other communicable diseases                   | 45  | 192.2 (107.3, 310.8)     | 0.006912 (0.0038586, 0.0111775) | 348.7 (202.0, 534.5)       | 0.012635 (0.0073202, 0.0193712) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 45  | 53.1 (15.4, 122.0)       | 0.001911 (0.0005534, 0.0043882) | 37.0 (10.4, 93.4)          | 0.001342 (0.0003769, 0.0033850) |
| Sulawesi Barat | Breast cancer                                 | 45  | 7.7 (2.0, 18.6)          | 0.000278 (0.0000722, 0.0006679) | 630.6 (310.5, 1,056.4)     | 0.022855 (0.0112533, 0.0382825) |
| Sulawesi Barat | Cervical cancer                               | 45  |                          |                                 | 514.3 (190.7, 1,003.3)     | 0.018639 (0.0069112, 0.0363613) |
| Sulawesi Barat | Other malignant neoplasms                     | 45  | 516.3 (307.7, 808.6)     | 0.018568 (0.0110666, 0.0290812) | 455.5 (220.6, 785.5)       | 0.016507 (0.0079929, 0.0284683) |
| Sulawesi Barat | Cerebrovascular disease                       | 45  | 1,107.6 (790.9, 1,483.1) | 0.039834 (0.0284457, 0.0533404) | 1,850.7 (1,355.6, 2,463.8) | 0.067070 (0.0491280, 0.0892872) |
| Sulawesi Barat | Ischemic heart disease                        | 45  | 851.9 (596.3, 1,173.1)   | 0.030638 (0.0214474, 0.0421898) | 861.0 (585.2, 1,234.1)     | 0.031203 (0.0212070, 0.0447243) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 45  | 219.4 (113.7, 380.9)     | 0.007892 (0.0040900, 0.0136987) | 424.4 (217.1, 698.7)       | 0.015379 (0.0078678, 0.0253199) |
| Sulawesi Barat | Diabetes mellitus                             | 45  | 540.8 (363.5, 774.6)     | 0.019452 (0.0130731, 0.0278606) | 903.2 (630.8, 1,280.7)     | 0.032731 (0.0228620, 0.0464125) |
| Sulawesi Barat | Chronic kidney disease                        | 45  | 191.3 (124.0, 283.4)     | 0.006881 (0.0044596, 0.0101934) | 258.9 (167.1, 379.2)       | 0.009384 (0.0060543, 0.0137409) |
| Sulawesi Barat | Cirrhosis                                     | 45  | 381.3 (203.4, 606.4)     | 0.013713 (0.0073150, 0.0218098) | 393.9 (204.1, 614.6)       | 0.014275 (0.0073975, 0.0222731) |
| Sulawesi Barat | Chronic respiratory diseases                  | 45  | 595.6 (384.9, 866.1)     | 0.021422 (0.0138437, 0.0311489) | 663.5 (422.3, 960.4)       | 0.024046 (0.0153057, 0.0348055) |
| Sulawesi Barat | Other non-communicable diseases               | 45  | 499.7 (337.8, 693.9)     | 0.017971 (0.0121496, 0.0249560) | 819.2 (573.3, 1,134.1)     | 0.029687 (0.0207775, 0.0411009) |
| Sulawesi Barat | Drowning                                      | 45  | 51.4 (21.9, 104.0)       | 0.001850 (0.0007886, 0.0037410) | 48.0 (19.1, 104.5)         | 0.001741 (0.0006930, 0.0037858) |
| Sulawesi Barat | Falls                                         | 45  | 94.4 (40.5, 177.8)       | 0.003395 (0.0014563, 0.0063946) | 99.1 (44.8, 187.9)         | 0.003592 (0.0016221, 0.0068084) |
| Sulawesi Barat | Interpersonal violence                        | 45  | 35.2 (16.6, 64.1)        | 0.001268 (0.0005965, 0.0023051) | 36.7 (15.6, 72.5)          | 0.001329 (0.0005654, 0.0026289) |
| Sulawesi Barat | Self-harm                                     | 45  | 62.3 (26.9, 118.1)       | 0.002241 (0.0009657, 0.0042466) | 50.3 (21.3, 103.1)         | 0.001823 (0.0007728, 0.0037368) |
| Sulawesi Barat | Transport injuries                            | 45  | 489.6 (298.2, 755.5)     | 0.017609 (0.0107241, 0.0271722) | 339.3 (193.9, 554.9)       | 0.012295 (0.0070264, 0.0201092) |
| Sulawesi Barat | Other unintentional injuries                  | 45  | 155.4 (83.8, 256.4)      | 0.005588 (0.0030140, 0.0092227) | 116.3 (58.6, 204.0)        | 0.004214 (0.0021252, 0.0073945) |
| Sulawesi Barat | Diarrheal diseases                            | 50  | 87.4 (41.4, 155.4)       | 0.003779 (0.0017885, 0.0067174) | 210.3 (102.1, 353.4)       | 0.009188 (0.0044625, 0.0154414) |
| Sulawesi Barat | HIV/AIDS                                      | 50  | 9.6 (2.0, 28.7)          | 0.000416 (0.0000858, 0.0012400) | 15.0 (2.9, 42.5)           | 0.000657 (0.0001287, 0.0018573) |
| Sulawesi Barat | Lower respiratory infections                  | 50  | 147.2 (72.4, 270.0)      | 0.006363 (0.0031306, 0.0116707) | 239.5 (123.8, 432.0)       | 0.010462 (0.0054111, 0.0188763) |
| Sulawesi Barat | Malaria                                       | 50  | 39.8 (5.0, 107.0)        | 0.001722 (0.0002162, 0.0046244) | 45.6 (5.6, 136.2)          | 0.001994 (0.0002448, 0.0059505) |
| Sulawesi Barat | Tuberculosis                                  | 50  | 683.1 (437.4, 990.1)     | 0.029529 (0.0189087, 0.0427978) | 697.2 (437.5, 1,012.0)     | 0.030462 (0.0191162, 0.0442171) |
| Sulawesi Barat | Maternal disorders                            | 50  |                          |                                 | 8.5 (2.2, 24.4)            | 0.000371 (0.0000973, 0.0010668) |
| Sulawesi Barat | Other communicable diseases                   | 50  | 186.7 (105.2, 299.0)     | 0.008070 (0.0045459, 0.0129233) | 350.2 (201.2, 542.8)       | 0.015299 (0.0087893, 0.0237152) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 50  | 65.3 (20.1, 142.2)       | 0.002823 (0.0008704, 0.0061491) | 35.7 (10.1, 87.1)          | 0.001558 (0.0004406, 0.0038054) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Breast cancer                                 | 50  | 8.3 (2.6, 19.3)            | 0.000357 (0.0001105, 0.0008333) | 458.0 (211.6, 818.5)       | 0.020010 (0.0092460, 0.0357639) |
| Sulawesi Barat | Cervical cancer                               | 50  |                            |                                 | 478.5 (188.3, 925.6)       | 0.020908 (0.0082274, 0.0404428) |
| Sulawesi Barat | Other malignant neoplasms                     | 50  | 441.2 (255.8, 689.1)       | 0.019074 (0.0110586, 0.0297884) | 392.4 (181.9, 671.4)       | 0.017146 (0.0079470, 0.0293334) |
| Sulawesi Barat | Cerebrovascular disease                       | 50  | 1,436.5 (1,020.3, 1,915.7) | 0.062095 (0.0441056, 0.0828095) | 2,374.6 (1,777.1, 3,046.6) | 0.103751 (0.0776447, 0.1331147) |
| Sulawesi Barat | Ischemic heart disease                        | 50  | 996.2 (688.6, 1,401.9)     | 0.043063 (0.0297652, 0.0606029) | 972.7 (674.3, 1,389.5)     | 0.042502 (0.0294627, 0.0607103) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 50  | 280.5 (143.1, 476.3)       | 0.012125 (0.0061847, 0.0205889) | 520.2 (268.9, 847.8)       | 0.022731 (0.0117484, 0.0370410) |
| Sulawesi Barat | Diabetes mellitus                             | 50  | 696.9 (469.7, 1,000.8)     | 0.030124 (0.0203039, 0.0432605) | 1,120.5 (799.3, 1,570.6)   | 0.048958 (0.0349241, 0.0686241) |
| Sulawesi Barat | Chronic kidney disease                        | 50  | 195.5 (126.0, 295.2)       | 0.008450 (0.0054485, 0.0127591) | 249.0 (159.8, 359.7)       | 0.010878 (0.0069804, 0.0157149) |
| Sulawesi Barat | Cirrhosis                                     | 50  | 385.3 (202.0, 622.5)       | 0.016658 (0.0087301, 0.0269073) | 403.8 (206.2, 626.5)       | 0.017641 (0.0090115, 0.0273740) |
| Sulawesi Barat | Chronic respiratory diseases                  | 50  | 744.2 (499.5, 1,102.7)     | 0.032169 (0.0215902, 0.0476682) | 799.7 (532.4, 1,144.1)     | 0.034941 (0.0232599, 0.0499884) |
| Sulawesi Barat | Other non-communicable diseases               | 50  | 511.8 (343.4, 728.2)       | 0.022123 (0.0148440, 0.0314798) | 821.8 (576.5, 1,136.1)     | 0.035907 (0.0251877, 0.0496374) |
| Sulawesi Barat | Drowning                                      | 50  | 34.8 (14.0, 70.0)          | 0.001506 (0.0006050, 0.0030252) | 37.2 (14.0, 82.6)          | 0.001626 (0.0006124, 0.0036077) |
| Sulawesi Barat | Falls                                         | 50  | 100.5 (44.8, 194.8)        | 0.004344 (0.0019352, 0.0084200) | 113.1 (52.3, 215.4)        | 0.004942 (0.0022837, 0.0094114) |
| Sulawesi Barat | Interpersonal violence                        | 50  | 26.7 (12.4, 50.7)          | 0.001153 (0.0005348, 0.0021910) | 25.2 (10.4, 52.0)          | 0.001100 (0.0004529, 0.0022715) |
| Sulawesi Barat | Self-harm                                     | 50  | 52.7 (22.0, 103.9)         | 0.002277 (0.0009517, 0.0044908) | 37.3 (14.7, 79.7)          | 0.001630 (0.0006419, 0.0034810) |
| Sulawesi Barat | Transport injuries                            | 50  | 367.5 (206.8, 585.1)       | 0.015888 (0.0089401, 0.0252912) | 257.0 (138.0, 421.8)       | 0.011230 (0.0060303, 0.0184307) |
| Sulawesi Barat | Other unintentional injuries                  | 50  | 121.3 (64.6, 203.8)        | 0.005242 (0.0027943, 0.0088080) | 88.0 (45.0, 154.5)         | 0.003845 (0.0019658, 0.0067524) |
| Sulawesi Barat | Diarrheal diseases                            | 55  | 80.0 (36.0, 139.7)         | 0.004906 (0.0022067, 0.0085681) | 175.3 (87.6, 290.1)        | 0.011889 (0.0059380, 0.0196687) |
| Sulawesi Barat | HIV/AIDS                                      | 55  | 3.4 (0.6, 10.5)            | 0.000211 (0.0000355, 0.0006467) | 4.9 (0.9, 15.0)            | 0.000331 (0.0000601, 0.0010162) |
| Sulawesi Barat | Lower respiratory infections                  | 55  | 127.0 (63.2, 229.5)        | 0.007791 (0.0038766, 0.0140724) | 184.4 (95.4, 330.7)        | 0.012501 (0.0064653, 0.0224186) |
| Sulawesi Barat | Malaria                                       | 55  | 34.4 (4.4, 96.0)           | 0.002108 (0.0002684, 0.0058892) | 36.9 (4.8, 108.1)          | 0.002502 (0.0003284, 0.0073265) |
| Sulawesi Barat | Tuberculosis                                  | 55  | 523.3 (320.6, 750.2)       | 0.032094 (0.0196617, 0.0460031) | 490.5 (296.7, 729.8)       | 0.033258 (0.0201161, 0.0494809) |
| Sulawesi Barat | Other communicable diseases                   | 55  | 148.8 (81.3, 242.1)        | 0.009123 (0.0049867, 0.0148484) | 252.0 (144.1, 396.4)       | 0.017086 (0.0097706, 0.0268747) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 55  | 45.0 (13.8, 105.1)         | 0.002759 (0.0008485, 0.0064444) | 23.2 (6.8, 55.9)           | 0.001574 (0.0004609, 0.0037894) |
| Sulawesi Barat | Breast cancer                                 | 55  | 6.8 (2.1, 16.2)            | 0.000418 (0.0001271, 0.0009952) | 310.0 (142.6, 559.4)       | 0.021020 (0.0096653, 0.0379269) |
| Sulawesi Barat | Cervical cancer                               | 55  |                            |                                 | 269.6 (98.5, 548.1)        | 0.018278 (0.0066774, 0.0371611) |
| Sulawesi Barat | Other malignant neoplasms                     | 55  | 299.0 (172.8, 475.6)       | 0.018335 (0.0105987, 0.0291630) | 299.3 (143.3, 513.5)       | 0.020295 (0.0097192, 0.0348164) |
| Sulawesi Barat | Cerebrovascular disease                       | 55  | 1,459.2 (1,047.5, 1,938.6) | 0.089486 (0.0642348, 0.1188843) | 2,224.0 (1,700.5, 2,817.3) | 0.150789 (0.1152969, 0.1910190) |
| Sulawesi Barat | Ischemic heart disease                        | 55  | 991.6 (693.6, 1,386.4)     | 0.060810 (0.0425334, 0.0850174) | 902.7 (628.8, 1,268.2)     | 0.061205 (0.0426326, 0.0859835) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 55  | 279.0 (144.7, 471.9)       | 0.017108 (0.0088767, 0.0289395) | 486.0 (257.9, 784.9)       | 0.032950 (0.0174844, 0.0532193) |
| Sulawesi Barat | Diabetes mellitus                             | 55  | 650.5 (438.5, 921.6)       | 0.039891 (0.0268911, 0.0565195) | 979.0 (706.2, 1,356.3)     | 0.066377 (0.0478829, 0.0919591) |
| Sulawesi Barat | Chronic kidney disease                        | 55  | 167.3 (108.5, 250.2)       | 0.010257 (0.0066515, 0.0153415) | 201.0 (128.7, 285.0)       | 0.013631 (0.0087246, 0.0193258) |
| Sulawesi Barat | Cirrhosis                                     | 55  | 301.0 (158.5, 479.3)       | 0.018456 (0.0097178, 0.0293927) | 289.9 (149.2, 445.6)       | 0.019655 (0.0101179, 0.0302127) |
| Sulawesi Barat | Chronic respiratory diseases                  | 55  | 698.3 (473.4, 1,007.5)     | 0.042826 (0.0290321, 0.0617859) | 699.1 (477.2, 970.8)       | 0.047399 (0.0323576, 0.0658240) |
| Sulawesi Barat | Other non-communicable diseases               | 55  | 464.6 (310.9, 658.5)       | 0.028492 (0.0190658, 0.0403821) | 695.4 (482.4, 953.3)       | 0.047147 (0.0327066, 0.0646369) |
| Sulawesi Barat | Drowning                                      | 55  | 20.7 (8.0, 45.4)           | 0.001272 (0.0004930, 0.0027829) | 18.5 (6.7, 40.2)           | 0.001256 (0.0004559, 0.0027274) |
| Sulawesi Barat | Falls                                         | 55  | 88.9 (40.5, 163.1)         | 0.005449 (0.0024834, 0.0100031) | 85.9 (41.0, 157.2)         | 0.005823 (0.0027811, 0.0106583) |
| Sulawesi Barat | Interpersonal violence                        | 55  | 17.9 (8.1, 33.8)           | 0.001097 (0.0004969, 0.0020755) | 15.1 (6.4, 31.1)           | 0.001027 (0.0004361, 0.0021105) |
| Sulawesi Barat | Self-harm                                     | 55  | 40.5 (18.3, 79.1)          | 0.002485 (0.0011208, 0.0048496) | 26.1 (10.9, 52.7)          | 0.001772 (0.0007400, 0.0035710) |
| Sulawesi Barat | Transport injuries                            | 55  | 206.2 (116.6, 339.0)       | 0.012645 (0.0071475, 0.0207879) | 124.6 (64.5, 212.4)        | 0.008449 (0.0043728, 0.0143994) |
| Sulawesi Barat | Other unintentional injuries                  | 55  | 83.1 (42.2, 135.6)         | 0.005098 (0.0025878, 0.0083181) | 53.3 (27.7, 90.1)          | 0.003612 (0.0018794, 0.0061094) |
| Sulawesi Barat | Diarrheal diseases                            | 60  | 106.1 (53.0, 186.0)        | 0.007915 (0.0039526, 0.0138759) | 269.5 (142.3, 433.4)       | 0.017123 (0.0090403, 0.0275379) |
| Sulawesi Barat | HIV/AIDS                                      | 60  | 2.6 (0.4, 9.2)             | 0.000196 (0.0000335, 0.0006834) | 4.4 (0.7, 13.6)            | 0.000279 (0.0000444, 0.0008660) |
| Sulawesi Barat | Lower respiratory infections                  | 60  | 190.3 (97.7, 334.2)        | 0.014201 (0.0072908, 0.0249354) | 343.1 (183.8, 581.4)       | 0.021801 (0.0116805, 0.0369393) |
| Sulawesi Barat | Malaria                                       | 60  | 41.1 (5.8, 112.3)          | 0.003068 (0.0004340, 0.0083788) | 48.3 (6.1, 144.3)          | 0.003071 (0.0003855, 0.0091690) |
| Sulawesi Barat | Tuberculosis                                  | 60  | 654.0 (406.8, 948.9)       | 0.048799 (0.0303560, 0.0708054) | 718.3 (427.6, 1,066.2)     | 0.045640 (0.0271710, 0.0677425) |
| Sulawesi Barat | Other communicable diseases                   | 60  | 143.7 (78.0, 246.3)        | 0.010724 (0.0058229, 0.0183798) | 288.0 (163.1, 465.0)       | 0.018299 (0.0103660, 0.0295434) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 60  | 50.1 (15.7, 112.9)         | 0.003741 (0.0011727, 0.0084234) | 25.7 (7.6, 63.0)           | 0.001631 (0.0004837, 0.0040025) |
| Sulawesi Barat | Breast cancer                                 | 60  | 5.9 (1.7, 14.2)            | 0.000440 (0.0001298, 0.0010569) | 279.5 (126.8, 506.5)       | 0.017756 (0.0080597, 0.0321835) |
| Sulawesi Barat | Cervical cancer                               | 60  |                            |                                 | 270.1 (96.8, 561.3)        | 0.017164 (0.0061477, 0.0356625) |
| Sulawesi Barat | Other malignant neoplasms                     | 60  | 305.8 (173.2, 492.0)       | 0.022821 (0.0129250, 0.0367130) | 389.8 (193.4, 666.2)       | 0.024767 (0.0122868, 0.0423316) |
| Sulawesi Barat | Cerebrovascular disease                       | 60  | 1,775.0 (1,278.6, 2,312.6) | 0.132449 (0.0954031, 0.1725624) | 3,219.7 (2,499.0, 4,002.1) | 0.204571 (0.1587792, 0.2542816) |

Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Ischemic heart disease                        | 60  | 1,065.6 (744.4, 1,489.6)   | 0.079513 (0.0555486, 0.1111512) | 1,194.2 (826.6, 1,682.9)   | 0.075878 (0.0525201, 0.1069303) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 60  | 341.3 (181.1, 566.4)       | 0.025468 (0.0135116, 0.0422652) | 673.8 (363.2, 1,106.7)     | 0.042815 (0.0230780, 0.0703169) |
| Sulawesi Barat | Diabetes mellitus                             | 60  | 642.7 (424.0, 924.1)       | 0.047958 (0.0316392, 0.0689518) | 1,127.8 (801.7, 1,583.9)   | 0.071655 (0.0509384, 0.1006354) |
| Sulawesi Barat | Chronic kidney disease                        | 60  | 168.5 (110.2, 246.4)       | 0.012571 (0.0082222, 0.0183840) | 231.9 (153.5, 327.3)       | 0.014737 (0.0097554, 0.0207980) |
| Sulawesi Barat | Cirrhosis                                     | 60  | 289.8 (150.3, 475.0)       | 0.021621 (0.0112131, 0.0354403) | 335.7 (175.6, 527.0)       | 0.021327 (0.0111574, 0.0334834) |
| Sulawesi Barat | Chronic respiratory diseases                  | 60  | 1,032.4 (722.6, 1,434.9)   | 0.077032 (0.0539158, 0.1070681) | 1,174.3 (820.9, 1,588.2)   | 0.074615 (0.0521549, 0.1009109) |
| Sulawesi Barat | Other non-communicable diseases               | 60  | 579.0 (389.8, 806.2)       | 0.043205 (0.0290884, 0.0601588) | 1,010.0 (722.4, 1,347.3)   | 0.064173 (0.0459026, 0.0856039) |
| Sulawesi Barat | Drowning                                      | 60  | 18.3 (6.1, 40.6)           | 0.001363 (0.0004574, 0.0030311) | 21.5 (6.3, 48.4)           | 0.001367 (0.0003985, 0.0030778) |
| Sulawesi Barat | Falls                                         | 60  | 86.5 (38.5, 162.1)         | 0.006454 (0.0028747, 0.0120965) | 104.9 (51.3, 188.1)        | 0.006667 (0.0032608, 0.0119515) |
| Sulawesi Barat | Interpersonal violence                        | 60  | 13.6 (5.8, 27.0)           | 0.001013 (0.0004297, 0.0020152) | 13.0 (5.0, 27.9)           | 0.000825 (0.0003196, 0.0017754) |
| Sulawesi Barat | Self-harm                                     | 60  | 34.6 (15.2, 68.4)          | 0.002584 (0.0011305, 0.0051068) | 24.6 (9.3, 49.8)           | 0.001566 (0.0005927, 0.0031624) |
| Sulawesi Barat | Transport injuries                            | 60  | 196.4 (106.7, 322.4)       | 0.014656 (0.0079637, 0.0240531) | 144.5 (74.7, 251.1)        | 0.009180 (0.0047490, 0.0159519) |
| Sulawesi Barat | Other unintentional injuries                  | 60  | 75.6 (39.5, 129.4)         | 0.005642 (0.0029462, 0.0096568) | 57.2 (27.9, 99.5)          | 0.003636 (0.0017730, 0.0063216) |
| Sulawesi Barat | Diarrheal diseases                            | 65  | 144.7 (75.2, 240.0)        | 0.015596 (0.0081016, 0.0258705) | 300.6 (172.4, 460.9)       | 0.033235 (0.0190628, 0.0509546) |
| Sulawesi Barat | HIV/AIDS                                      | 65  | 2.0 (0.3, 6.1)             | 0.000216 (0.0000342, 0.0006614) | 2.8 (0.5, 8.6)             | 0.000309 (0.0000517, 0.0009504) |
| Sulawesi Barat | Lower respiratory infections                  | 65  | 176.1 (90.3, 307.4)        | 0.018984 (0.0097361, 0.0331339) | 270.6 (147.7, 446.5)       | 0.029921 (0.0163319, 0.0493638) |
| Sulawesi Barat | Malaria                                       | 65  | 34.6 (4.7, 96.4)           | 0.003733 (0.0005119, 0.0103948) | 32.5 (4.4, 98.8)           | 0.003591 (0.0004827, 0.0109261) |
| Sulawesi Barat | Tuberculosis                                  | 65  | 539.1 (337.7, 789.8)       | 0.058118 (0.0364002, 0.0851418) | 492.5 (299.3, 736.5)       | 0.054449 (0.0330917, 0.0814215) |
| Sulawesi Barat | Other communicable diseases                   | 65  | 116.0 (60.0, 205.6)        | 0.012505 (0.0064709, 0.0221639) | 192.3 (100.1, 319.4)       | 0.021260 (0.0110626, 0.0353139) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 65  | 31.6 (9.4, 72.5)           | 0.003405 (0.0010087, 0.0078184) | 13.2 (3.9, 31.0)           | 0.001455 (0.0004343, 0.0034283) |
| Sulawesi Barat | Breast cancer                                 | 65  | 3.3 (0.9, 8.3)             | 0.000353 (0.0000951, 0.0008898) | 136.8 (60.3, 255.0)        | 0.015129 (0.0066687, 0.0281911) |
| Sulawesi Barat | Cervical cancer                               | 65  |                            |                                 | 120.9 (40.7, 272.4)        | 0.013367 (0.0044975, 0.0301102) |
| Sulawesi Barat | Other malignant neoplasms                     | 65  | 194.3 (107.9, 314.6)       | 0.020951 (0.0116289, 0.0339106) | 262.4 (134.9, 438.1)       | 0.029013 (0.0149174, 0.0484300) |
| Sulawesi Barat | Cerebrovascular disease                       | 65  | 1,505.4 (1,072.7, 1,988.5) | 0.162282 (0.1156383, 0.2143583) | 2,377.9 (1,852.2, 2,935.3) | 0.262893 (0.2047726, 0.3245108) |
| Sulawesi Barat | Ischemic heart disease                        | 65  | 840.4 (585.9, 1,195.4)     | 0.090596 (0.0631569, 0.1288660) | 816.5 (569.1, 1,160.2)     | 0.090263 (0.0629214, 0.1282635) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 65  | 306.0 (163.3, 510.9)       | 0.032989 (0.0175994, 0.0550744) | 522.2 (286.3, 862.1)       | 0.057733 (0.0316521, 0.0953109) |
| Sulawesi Barat | Diabetes mellitus                             | 65  | 419.5 (275.0, 611.9)       | 0.045223 (0.0296410, 0.0659584) | 642.9 (456.2, 893.8)       | 0.071072 (0.0504372, 0.0988118) |
| Sulawesi Barat | Chronic kidney disease                        | 65  | 127.5 (82.3, 186.5)        | 0.013741 (0.0088749, 0.0201080) | 152.1 (102.8, 214.6)       | 0.016816 (0.0113681, 0.0237260) |
| Sulawesi Barat | Cirrhosis                                     | 65  | 184.6 (95.3, 304.1)        | 0.019896 (0.0102738, 0.0327855) | 188.4 (96.3, 293.5)        | 0.020823 (0.0106508, 0.0324428) |
| Sulawesi Barat | Chronic respiratory diseases                  | 65  | 905.3 (640.5, 1,246.9)     | 0.097589 (0.0690405, 0.1344133) | 894.8 (638.0, 1,201.6)     | 0.098928 (0.0705310, 0.1328390) |
| Sulawesi Barat | Other non-communicable diseases               | 65  | 527.6 (361.5, 743.2)       | 0.056877 (0.0389695, 0.0801177) | 799.4 (573.5, 1,061.3)     | 0.088379 (0.0633989, 0.1173307) |
| Sulawesi Barat | Drowning                                      | 65  | 11.8 (4.2, 26.3)           | 0.001275 (0.0004531, 0.0028370) | 12.4 (4.1, 28.3)           | 0.001366 (0.0004524, 0.0031244) |
| Sulawesi Barat | Falls                                         | 65  | 72.0 (33.1, 134.2)         | 0.007760 (0.0035712, 0.0144623) | 76.2 (38.2, 132.6)         | 0.008429 (0.0042243, 0.0146559) |
| Sulawesi Barat | Interpersonal violence                        | 65  | 8.3 (3.3, 17.6)            | 0.000899 (0.0003568, 0.0018985) | 6.7 (2.4, 14.4)            | 0.000736 (0.0002680, 0.0015886) |
| Sulawesi Barat | Self-harm                                     | 65  | 24.3 (10.2, 46.0)          | 0.002618 (0.0010974, 0.0049602) | 14.4 (5.4, 28.5)           | 0.001588 (0.0006011, 0.0031526) |
| Sulawesi Barat | Transport injuries                            | 65  | 130.3 (68.0, 219.2)        | 0.014042 (0.0073277, 0.0236254) | 82.5 (41.1, 146.1)         | 0.009126 (0.0045459, 0.0161546) |
| Sulawesi Barat | Other unintentional injuries                  | 65  | 54.7 (28.9, 92.2)          | 0.005897 (0.0031164, 0.0099348) | 35.3 (17.7, 62.3)          | 0.003904 (0.0019587, 0.0068870) |
| Sulawesi Barat | Diarrheal diseases                            | 70  | 200.2 (114.0, 318.8)       | 0.029430 (0.0167502, 0.0468549) | 443.0 (273.8, 646.7)       | 0.056053 (0.0346463, 0.0818220) |
| Sulawesi Barat | HIV/AIDS                                      | 70  | 2.4 (0.4, 7.6)             | 0.000354 (0.0000624, 0.0011099) | 3.8 (0.6, 11.8)            | 0.000483 (0.0000787, 0.0014928) |
| Sulawesi Barat | Lower respiratory infections                  | 70  | 208.3 (109.3, 342.2)       | 0.030612 (0.0160695, 0.0502939) | 366.6 (206.5, 587.0)       | 0.046383 (0.0261317, 0.0742703) |
| Sulawesi Barat | Malaria                                       | 70  | 30.6 (3.9, 89.0)           | 0.004492 (0.0005762, 0.0130810) | 31.4 (4.2, 94.9)           | 0.003970 (0.0005360, 0.0120013) |
| Sulawesi Barat | Tuberculosis                                  | 70  | 491.7 (307.0, 739.1)       | 0.072265 (0.0451168, 0.1086330) | 538.2 (328.4, 811.9)       | 0.068104 (0.0415572, 0.1027251) |
| Sulawesi Barat | Other communicable diseases                   | 70  | 121.3 (64.8, 219.8)        | 0.017823 (0.0095251, 0.0323065) | 212.2 (116.2, 345.8)       | 0.026854 (0.0146988, 0.0437501) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 70  | 25.7 (7.4, 59.0)           | 0.003773 (0.0010901, 0.0086733) | 11.6 (3.2, 26.3)           | 0.001467 (0.0004062, 0.0033314) |
| Sulawesi Barat | Breast cancer                                 | 70  | 2.0 (0.5, 5.2)             | 0.000292 (0.0000732, 0.0007616) | 90.9 (37.4, 171.5)         | 0.011505 (0.0047314, 0.0217020) |
| Sulawesi Barat | Cervical cancer                               | 70  |                            |                                 | 75.7 (23.9, 181.6)         | 0.009580 (0.0030287, 0.0229809) |
| Sulawesi Barat | Other malignant neoplasms                     | 70  | 134.2 (73.6, 219.6)        | 0.019731 (0.0108191, 0.0322764) | 230.0 (121.0, 368.5)       | 0.029106 (0.0153083, 0.0466313) |
| Sulawesi Barat | Cerebrovascular disease                       | 70  | 1,397.9 (1,010.4, 1,854.7) | 0.205454 (0.1485027, 0.2725956) | 2,660.1 (2,083.5, 3,258.7) | 0.336579 (0.2636244, 0.4123177) |
| Sulawesi Barat | Ischemic heart disease                        | 70  | 719.5 (495.0, 1,018.2)     | 0.105749 (0.0727486, 0.1496516) | 898.3 (626.9, 1,246.3)     | 0.113666 (0.0793158, 0.1576991) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 70  | 302.2 (159.8, 503.6)       | 0.044420 (0.0234928, 0.0740174) | 609.9 (340.6, 1,004.5)     | 0.077169 (0.0430901, 0.1270977) |
| Sulawesi Barat | Diabetes mellitus                             | 70  | 281.1 (180.5, 411.1)       | 0.041320 (0.0265264, 0.0604251) | 523.6 (368.2, 732.4)       | 0.066248 (0.0465850, 0.0926743) |
| Sulawesi Barat | Chronic kidney disease                        | 70  | 98.7 (64.3, 144.3)         | 0.014510 (0.0094485, 0.0212037) | 143.9 (96.2, 204.7)        | 0.018210 (0.0121658, 0.0259059) |



Aim 2 Supplementary Tables

| Location       | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|----------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|                |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Sulawesi Barat | Cirrhosis                                     | 70  | 141.9 (71.9, 236.9)      | 0.020861 (0.0105604, 0.0348136) | 172.3 (87.9, 270.2)        | 0.021799 (0.0111167, 0.0341862) |
| Sulawesi Barat | Chronic respiratory diseases                  | 70  | 962.0 (688.3, 1,323.4)   | 0.141392 (0.1011672, 0.1945053) | 1,127.9 (816.6, 1,477.2)   | 0.142713 (0.1033227, 0.1869069) |
| Sulawesi Barat | Other non-communicable diseases               | 70  | 526.9 (364.1, 734.6)     | 0.077438 (0.0535155, 0.1079692) | 953.7 (692.2, 1,233.9)     | 0.120677 (0.0875881, 0.1561287) |
| Sulawesi Barat | Drowning                                      | 70  | 18.4 (7.1, 38.5)         | 0.002712 (0.0010397, 0.0056559) | 21.0 (7.9, 42.2)           | 0.002651 (0.0010022, 0.0053357) |
| Sulawesi Barat | Falls                                         | 70  | 72.8 (34.1, 138.2)       | 0.010706 (0.0050137, 0.0203156) | 85.9 (43.7, 148.8)         | 0.010872 (0.0055266, 0.0188298) |
| Sulawesi Barat | Interpersonal violence                        | 70  | 5.2 (1.8, 11.8)          | 0.000763 (0.0002692, 0.0017321) | 4.9 (1.6, 11.3)            | 0.000620 (0.0001987, 0.0014321) |
| Sulawesi Barat | Self-harm                                     | 70  | 17.7 (7.1, 34.8)         | 0.002606 (0.0010362, 0.0051127) | 12.5 (4.5, 25.6)           | 0.001581 (0.0005755, 0.0032375) |
| Sulawesi Barat | Transport injuries                            | 70  | 111.5 (58.0, 189.7)      | 0.016380 (0.0085210, 0.0278818) | 79.8 (40.3, 140.3)         | 0.010103 (0.0050965, 0.0177464) |
| Sulawesi Barat | Other unintentional injuries                  | 70  | 47.2 (24.9, 79.7)        | 0.006939 (0.0036603, 0.0117172) | 35.1 (17.9, 65.0)          | 0.004444 (0.0022656, 0.0082282) |
| Sulawesi Barat | Diarrheal diseases                            | 75  | 134.7 (74.7, 208.2)      | 0.039444 (0.0218771, 0.0609673) | 289.7 (181.7, 416.8)       | 0.071452 (0.0448091, 0.1027935) |
| Sulawesi Barat | HIV/AIDS                                      | 75  | 1.0 (0.2, 3.1)           | 0.000295 (0.0000504, 0.0009158) | 1.7 (0.3, 5.3)             | 0.000427 (0.0000745, 0.0013095) |
| Sulawesi Barat | Lower respiratory infections                  | 75  | 121.6 (64.6, 202.6)      | 0.035617 (0.0189265, 0.0593296) | 206.6 (116.0, 330.9)       | 0.050948 (0.0285985, 0.0816055) |
| Sulawesi Barat | Malaria                                       | 75  | 16.9 (2.1, 53.6)         | 0.004941 (0.0006164, 0.0157014) | 20.7 (2.6, 64.3)           | 0.005102 (0.0006505, 0.0158511) |
| Sulawesi Barat | Tuberculosis                                  | 75  | 223.6 (134.0, 346.0)     | 0.065470 (0.0392263, 0.1013032) | 294.7 (176.9, 445.0)       | 0.072684 (0.0436326, 0.1097532) |
| Sulawesi Barat | Other communicable diseases                   | 75  | 66.7 (35.7, 120.7)       | 0.019519 (0.0104521, 0.0353379) | 106.4 (55.8, 180.2)        | 0.026242 (0.0137547, 0.0444447) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 75  | 10.0 (2.9, 22.6)         | 0.002926 (0.0008374, 0.0066086) | 5.4 (1.5, 12.9)            | 0.001333 (0.0003801, 0.0031887) |
| Sulawesi Barat | Breast cancer                                 | 75  | 0.7 (0.2, 1.9)           | 0.000203 (0.0000454, 0.0005502) | 40.7 (16.9, 79.4)          | 0.010042 (0.0041737, 0.0195716) |
| Sulawesi Barat | Cervical cancer                               | 75  |                          |                                 | 24.4 (7.5, 61.3)           | 0.006021 (0.0018447, 0.0151297) |
| Sulawesi Barat | Other malignant neoplasms                     | 75  | 54.8 (30.1, 93.1)        | 0.016038 (0.0088281, 0.0272561) | 126.2 (69.6, 202.8)        | 0.031126 (0.0171620, 0.0500157) |
| Sulawesi Barat | Cerebrovascular disease                       | 75  | 761.6 (545.5, 1,027.0)   | 0.223008 (0.1597200, 0.3007273) | 1,576.5 (1,249.5, 1,914.4) | 0.388813 (0.3081649, 0.4721640) |
| Sulawesi Barat | Ischemic heart disease                        | 75  | 416.5 (284.3, 603.7)     | 0.121961 (0.0832476, 0.1767705) | 612.1 (435.3, 843.5)       | 0.150967 (0.1073715, 0.2080439) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 75  | 167.0 (88.6, 283.8)      | 0.048907 (0.0259380, 0.0831050) | 389.9 (222.8, 634.2)       | 0.096167 (0.0549519, 0.1564252) |
| Sulawesi Barat | Diabetes mellitus                             | 75  | 126.3 (81.6, 189.8)      | 0.036968 (0.0238811, 0.0555760) | 273.9 (194.6, 384.5)       | 0.067542 (0.0479957, 0.0948222) |
| Sulawesi Barat | Chronic kidney disease                        | 75  | 46.7 (30.0, 70.1)        | 0.013684 (0.0087865, 0.0205224) | 83.3 (56.8, 118.0)         | 0.020535 (0.0140178, 0.0290941) |
| Sulawesi Barat | Cirrhosis                                     | 75  | 68.2 (34.7, 115.0)       | 0.019977 (0.0101569, 0.0336872) | 85.9 (45.5, 132.5)         | 0.021188 (0.0112317, 0.0326820) |
| Sulawesi Barat | Chronic respiratory diseases                  | 75  | 505.6 (356.1, 703.1)     | 0.148049 (0.1042749, 0.2058905) | 685.0 (498.7, 882.8)       | 0.168952 (0.1229979, 0.2177301) |
| Sulawesi Barat | Other non-communicable diseases               | 75  | 327.0 (226.5, 457.3)     | 0.095744 (0.0663117, 0.1339112) | 660.5 (479.2, 853.0)       | 0.162913 (0.1181772, 0.2103764) |
| Sulawesi Barat | Drowning                                      | 75  | 15.0 (5.8, 32.6)         | 0.004379 (0.0017003, 0.0095383) | 12.5 (4.8, 25.7)           | 0.003078 (0.0011914, 0.0063362) |
| Sulawesi Barat | Falls                                         | 75  | 49.3 (23.7, 89.0)        | 0.014423 (0.0069518, 0.0260498) | 48.9 (25.2, 84.3)          | 0.012064 (0.0062249, 0.0207855) |
| Sulawesi Barat | Interpersonal violence                        | 75  | 2.1 (0.6, 5.4)           | 0.000609 (0.0001721, 0.0015834) | 2.3 (0.6, 6.4)             | 0.000580 (0.0001591, 0.0015890) |
| Sulawesi Barat | Self-harm                                     | 75  | 8.5 (3.0, 17.3)          | 0.002485 (0.0008809, 0.0050609) | 7.7 (2.8, 15.5)            | 0.001888 (0.0006783, 0.0038324) |
| Sulawesi Barat | Transport injuries                            | 75  | 45.9 (22.1, 83.9)        | 0.013426 (0.0064849, 0.0245685) | 30.4 (14.9, 55.0)          | 0.007490 (0.0036813, 0.0135533) |
| Sulawesi Barat | Other unintentional injuries                  | 75  | 24.4 (11.9, 41.7)        | 0.007133 (0.0034727, 0.0121979) | 18.6 (9.1, 32.3)           | 0.004598 (0.0022461, 0.0079724) |
| Sulawesi Barat | Diarrheal diseases                            | 80  | 322.7 (208.8, 466.1)     | 0.096200 (0.0622475, 0.1389593) | 792.0 (535.9, 1,062.3)     | 0.166812 (0.1128736, 0.2237365) |
| Sulawesi Barat | HIV/AIDS                                      | 80  | 1.5 (0.2, 4.7)           | 0.000435 (0.0000672, 0.0013962) | 2.7 (0.4, 8.4)             | 0.000575 (0.0000844, 0.0017779) |
| Sulawesi Barat | Lower respiratory infections                  | 80  | 196.5 (109.4, 315.4)     | 0.058590 (0.0326175, 0.0940354) | 418.0 (239.8, 655.5)       | 0.088046 (0.0505025, 0.1380619) |
| Sulawesi Barat | Malaria                                       | 80  | 29.2 (3.7, 91.9)         | 0.008712 (0.0010999, 0.0274003) | 33.1 (4.0, 104.1)          | 0.006964 (0.0008505, 0.0219267) |
| Sulawesi Barat | Tuberculosis                                  | 80  | 315.6 (190.1, 467.2)     | 0.094100 (0.0566854, 0.1393012) | 418.1 (239.8, 643.0)       | 0.088056 (0.0505068, 0.1354337) |
| Sulawesi Barat | Other communicable diseases                   | 80  | 105.7 (56.9, 183.8)      | 0.031525 (0.0169707, 0.0547940) | 207.5 (110.7, 347.2)       | 0.043704 (0.0233227, 0.0731261) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer           | 80  | 11.3 (3.3, 25.5)         | 0.003372 (0.0009812, 0.0076137) | 6.7 (1.8, 16.1)            | 0.001418 (0.0003827, 0.0033995) |
| Sulawesi Barat | Breast cancer                                 | 80  | 0.8 (0.1, 2.4)           | 0.000232 (0.0000443, 0.0007290) | 37.8 (13.9, 79.4)          | 0.007968 (0.0029313, 0.0167278) |
| Sulawesi Barat | Cervical cancer                               | 80  |                          |                                 | 24.6 (6.1, 65.2)           | 0.005185 (0.0012921, 0.0137290) |
| Sulawesi Barat | Other malignant neoplasms                     | 80  | 65.5 (37.1, 105.1)       | 0.019538 (0.0110533, 0.0313336) | 151.4 (81.8, 245.4)        | 0.031887 (0.0172340, 0.0516812) |
| Sulawesi Barat | Cerebrovascular disease                       | 80  | 1,053.7 (811.7, 1,322.3) | 0.314166 (0.2420141, 0.3942449) | 2,578.9 (2,118.3, 3,076.3) | 0.543164 (0.4461443, 0.6479079) |
| Sulawesi Barat | Ischemic heart disease                        | 80  | 537.6 (380.5, 743.3)     | 0.160297 (0.1134323, 0.2216200) | 922.8 (652.0, 1,251.7)     | 0.194363 (0.1373145, 0.2636252) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases | 80  | 224.8 (122.4, 368.6)     | 0.067032 (0.0365079, 0.1099021) | 559.6 (313.5, 906.7)       | 0.117860 (0.0660203, 0.1909548) |
| Sulawesi Barat | Diabetes mellitus                             | 80  | 144.2 (95.8, 206.8)      | 0.043003 (0.0285493, 0.0616670) | 340.3 (241.0, 478.1)       | 0.071675 (0.0507614, 0.1006920) |
| Sulawesi Barat | Chronic kidney disease                        | 80  | 56.3 (36.2, 81.0)        | 0.016783 (0.0107813, 0.0241398) | 103.5 (67.8, 146.4)        | 0.021792 (0.0142769, 0.0308416) |
| Sulawesi Barat | Cirrhosis                                     | 80  | 78.6 (38.4, 129.8)       | 0.023430 (0.0114565, 0.0386952) | 121.0 (63.3, 190.7)        | 0.025483 (0.0133267, 0.0401544) |
| Sulawesi Barat | Chronic respiratory diseases                  | 80  | 729.7 (551.4, 952.0)     | 0.217548 (0.1644025, 0.2838408) | 1,022.1 (749.1, 1,315.0)   | 0.215264 (0.1577623, 0.2769602) |
| Sulawesi Barat | Other non-communicable diseases               | 80  | 506.7 (368.1, 669.1)     | 0.151064 (0.1097490, 0.1994844) | 1,155.1 (864.6, 1,461.5)   | 0.243285 (0.1820914, 0.3078172) |
| Sulawesi Barat | Drowning                                      | 80  | 17.3 (6.1, 38.4)         | 0.005149 (0.0018143, 0.0114418) | 23.1 (7.7, 48.9)           | 0.004870 (0.0016256, 0.0102999) |

Aim 2 Supplementary Tables

| Location       | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|----------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|                |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Sulawesi Barat | Falls                                                    | 80  | 79.2 (39.3, 135.3)            | 0.023628 (0.0117140, 0.0403469) | 110.4 (60.9, 181.5)           | 0.023245 (0.0128351, 0.0382262) |
| Sulawesi Barat | Interpersonal violence                                   | 80  | 2.3 (0.4, 7.0)                | 0.000697 (0.0001277, 0.0020849) | 2.5 (0.5, 8.2)                | 0.000536 (0.0001025, 0.0017312) |
| Sulawesi Barat | Self-harm                                                | 80  | 11.7 (4.2, 25.4)              | 0.003497 (0.0012492, 0.0075675) | 9.5 (2.9, 21.1)               | 0.002007 (0.0006048, 0.0044425) |
| Sulawesi Barat | Transport injuries                                       | 80  | 51.0 (24.1, 95.1)             | 0.015208 (0.0071974, 0.0283510) | 42.9 (19.4, 85.1)             | 0.009029 (0.0040757, 0.0179294) |
| Sulawesi Barat | Other unintentional injuries                             | 80  | 30.8 (14.2, 55.3)             | 0.009180 (0.0042231, 0.0164982) | 26.8 (11.7, 50.8)             | 0.005641 (0.0024652, 0.0107054) |
| Sulawesi Barat | Diarrheal diseases                                       | All | 4,103.7 (2,351.9, 6,541.6)    | 0.006518 (0.0037355, 0.0103901) | 6,365.3 (3,774.3, 9,916.8)    | 0.010161 (0.0060247, 0.0158294) |
| Sulawesi Barat | HIV/AIDS                                                 | All | 933.2 (227.0, 2,398.7)        | 0.001482 (0.0003606, 0.0038099) | 891.5 (213.9, 2,287.8)        | 0.001423 (0.0003414, 0.0036519) |
| Sulawesi Barat | Lower respiratory infections                             | All | 11,847.1 (7,195.3, 17,822.7)  | 0.018817 (0.0114285, 0.0283080) | 10,211.1 (6,186.2, 15,536.1)  | 0.016299 (0.0098746, 0.0247991) |
| Sulawesi Barat | Malaria                                                  | All | 938.5 (134.8, 2,532.4)        | 0.001491 (0.0002140, 0.0040222) | 889.6 (125.2, 2,445.4)        | 0.001420 (0.0001998, 0.0039034) |
| Sulawesi Barat | Tuberculosis                                             | All | 10,113.9 (6,549.0, 14,324.3)  | 0.016064 (0.0104019, 0.0227516) | 8,949.6 (5,614.8, 12,952.7)   | 0.014286 (0.0089624, 0.0206753) |
| Sulawesi Barat | Maternal disorders                                       | All |                               |                                 | 3,692.5 (2,328.0, 5,262.3)    | 0.005894 (0.0037159, 0.0083998) |
| Sulawesi Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 14,668.0 (6,723.9, 25,274.3)  | 0.023297 (0.0106796, 0.0401436) | 9,445.9 (4,507.7, 17,028.5)   | 0.015078 (0.0071952, 0.0271812) |
| Sulawesi Barat | Preterm birth complications                              | All | 4,396.6 (1,553.0, 9,354.4)    | 0.006983 (0.0024666, 0.0148577) | 3,748.4 (1,372.7, 8,121.7)    | 0.005983 (0.0021911, 0.0129640) |
| Sulawesi Barat | Other neonatal disorders                                 | All | 7,249.3 (2,606.8, 14,457.8)   | 0.011514 (0.0041405, 0.0229636) | 4,382.5 (1,512.5, 9,181.7)    | 0.006996 (0.0024143, 0.0146560) |
| Sulawesi Barat | Other communicable diseases                              | All | 10,131.5 (6,800.1, 14,823.2)  | 0.016092 (0.0108007, 0.0235440) | 10,145.9 (6,578.7, 14,912.9)  | 0.016195 (0.0105011, 0.0238043) |
| Sulawesi Barat | Tracheal, bronchus, and lung cancer                      | All | 438.1 (136.2, 950.1)          | 0.000696 (0.0002163, 0.0015091) | 298.4 (87.4, 681.9)           | 0.000476 (0.0001394, 0.0010884) |
| Sulawesi Barat | Breast cancer                                            | All | 50.9 (15.9, 120.4)            | 0.000081 (0.0000252, 0.0001912) | 4,366.8 (2,157.9, 7,493.1)    | 0.006970 (0.0034445, 0.0119606) |
| Sulawesi Barat | Cervical cancer                                          | All |                               |                                 | 3,493.1 (1,326.9, 7,107.5)    | 0.005576 (0.0021181, 0.0113451) |
| Sulawesi Barat | Other malignant neoplasms                                | All | 5,156.0 (3,120.6, 8,011.9)    | 0.008189 (0.0049565, 0.0127255) | 6,604.5 (3,907.1, 10,577.6)   | 0.010542 (0.0062366, 0.0168841) |
| Sulawesi Barat | Cerebrovascular disease                                  | All | 13,246.1 (9,548.1, 17,334.3)  | 0.021039 (0.0151653, 0.0275322) | 23,005.7 (17,658.0, 29,110.2) | 0.036722 (0.0281861, 0.0464663) |
| Sulawesi Barat | Ischemic heart disease                                   | All | 9,021.2 (6,331.0, 12,554.7)   | 0.014329 (0.0100557, 0.0199407) | 9,593.3 (6,673.3, 13,614.3)   | 0.015313 (0.0106521, 0.0217314) |
| Sulawesi Barat | Other cardiovascular and circulatory diseases            | All | 2,963.5 (1,551.6, 5,010.5)    | 0.004707 (0.0024644, 0.0079583) | 5,724.6 (3,041.3, 9,474.7)    | 0.009138 (0.0048545, 0.0151237) |
| Sulawesi Barat | Diabetes mellitus                                        | All | 4,527.1 (3,039.8, 6,461.1)    | 0.007191 (0.0048281, 0.0102622) | 7,556.8 (5,426.1, 10,671.5)   | 0.012062 (0.0086613, 0.0170341) |
| Sulawesi Barat | Chronic kidney disease                                   | All | 2,201.1 (1,453.8, 3,219.3)    | 0.003496 (0.0023091, 0.0051133) | 3,027.3 (2,001.6, 4,259.7)    | 0.004832 (0.0031949, 0.0067994) |
| Sulawesi Barat | Cirrhosis                                                | All | 3,888.9 (2,059.3, 6,127.4)    | 0.006177 (0.0032708, 0.0097323) | 3,812.0 (2,020.1, 5,892.2)    | 0.006085 (0.0032245, 0.0094052) |
| Sulawesi Barat | Chronic respiratory diseases                             | All | 9,252.6 (6,476.6, 13,005.5)   | 0.014696 (0.0102869, 0.0206569) | 10,227.0 (7,057.0, 14,032.0)  | 0.016325 (0.0112646, 0.0223981) |
| Sulawesi Barat | Other non-communicable diseases                          | All | 14,220.7 (10,264.1, 18,995.0) | 0.022587 (0.0163026, 0.0301700) | 19,129.2 (14,279.1, 24,866.5) | 0.030535 (0.0227926, 0.0396924) |
| Sulawesi Barat | Drowning                                                 | All | 4,474.6 (2,759.8, 6,795.0)    | 0.007107 (0.0043834, 0.0107925) | 1,962.7 (1,064.1, 3,245.7)    | 0.003133 (0.0016986, 0.0051808) |
| Sulawesi Barat | Falls                                                    | All | 1,870.2 (890.6, 3,322.7)      | 0.002971 (0.0014145, 0.0052774) | 1,454.4 (707.9, 2,599.2)      | 0.002322 (0.0011300, 0.0041488) |
| Sulawesi Barat | Interpersonal violence                                   | All | 1,007.8 (557.3, 1,652.4)      | 0.001601 (0.0008852, 0.0026246) | 984.4 (502.1, 1,722.9)        | 0.001571 (0.0008014, 0.0027501) |
| Sulawesi Barat | Self-harm                                                | All | 1,120.5 (528.0, 1,994.2)      | 0.001780 (0.0008386, 0.0031674) | 996.6 (478.4, 1,820.1)        | 0.001591 (0.0007637, 0.0029052) |
| Sulawesi Barat | Transport injuries                                       | All | 11,579.7 (8,204.9, 16,025.0)  | 0.018392 (0.0130319, 0.0254528) | 6,553.2 (4,304.6, 9,670.2)    | 0.010460 (0.0068710, 0.0154358) |
| Sulawesi Barat | Other unintentional injuries                             | All | 4,154.8 (2,561.4, 6,483.5)    | 0.006599 (0.0040683, 0.0102978) | 2,344.0 (1,322.3, 3,749.6)    | 0.003742 (0.0021106, 0.0059852) |
| Maluku         | Diarrheal diseases                                       | NN  | 225.3 (72.8, 519.4)           | 0.145092 (0.0469057, 0.3345430) | 157.4 (50.5, 370.5)           | 0.103942 (0.0333336, 0.2447617) |
| Maluku         | Lower respiratory infections                             | NN  | 2,190.9 (912.1, 4,145.4)      | 1.411135 (0.5874872, 2.6699660) | 1,190.1 (495.5, 2,397.0)      | 0.786121 (0.3272860, 1.5833991) |
| Maluku         | Malaria                                                  | NN  | 22.1 (0.7, 112.4)             | 0.014222 (0.0004752, 0.0723940) | 11.6 (0.4, 54.1)              | 0.007673 (0.0002744, 0.0357429) |
| Maluku         | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 5,936.2 (2,644.2, 10,588.0)   | 3.823338 (1.7030740, 6.8194661) | 3,637.1 (1,585.2, 6,660.6)    | 2.402567 (1.0471200, 4.3997750) |
| Maluku         | Preterm birth complications                              | NN  | 1,709.0 (484.4, 3,782.7)      | 1.100741 (0.3119991, 2.4363720) | 1,375.5 (444.0, 3,177.2)      | 0.908582 (0.2932903, 2.0987451) |
| Maluku         | Other neonatal disorders                                 | NN  | 4,257.1 (942.3, 8,785.8)      | 2.741903 (0.6068896, 5.6587281) | 2,525.3 (509.3, 5,624.1)      | 1.668145 (0.3364508, 3.7151010) |
| Maluku         | Other communicable diseases                              | NN  | 186.1 (59.1, 415.8)           | 0.119836 (0.0380966, 0.2678220) | 90.6 (26.9, 211.2)            | 0.059843 (0.0177854, 0.1394938) |
| Maluku         | Other malignant neoplasms                                | NN  | 119.9 (34.0, 301.7)           | 0.077243 (0.0219192, 0.1942913) | 83.1 (22.4, 210.5)            | 0.054893 (0.0148006, 0.1390353) |
| Maluku         | Cerebrovascular disease                                  | NN  | 15.4 (3.3, 43.4)              | 0.009924 (0.0020956, 0.0279774) | 13.6 (3.1, 38.3)              | 0.008980 (0.0020535, 0.0253254) |
| Maluku         | Other cardiovascular and circulatory diseases            | NN  | 22.2 (3.5, 68.4)              | 0.014287 (0.0022615, 0.0440730) | 17.9 (3.2, 54.8)              | 0.011834 (0.0021070, 0.0361962) |
| Maluku         | Diabetes mellitus                                        | NN  | 5.9 (0.0, 44.8)               | 0.003801 (0.0000181, 0.0288775) | 6.8 (0.0, 53.9)               | 0.004509 (0.0000170, 0.0355971) |
| Maluku         | Other non-communicable diseases                          | NN  | 1,616.9 (763.9, 2,782.5)      | 1.041410 (0.4919901, 1.7921380) | 1,274.7 (607.5, 2,233.3)      | 0.842009 (0.4013016, 1.4752750) |
| Maluku         | Drowning                                                 | NN  | 199.5 (49.7, 558.2)           | 0.128510 (0.0320040, 0.3594997) | 38.7 (7.9, 110.5)             | 0.025565 (0.0052437, 0.0729952) |
| Maluku         | Falls                                                    | NN  | 69.2 (15.7, 203.9)            | 0.044589 (0.0101081, 0.1313107) | 18.4 (3.6, 53.5)              | 0.012136 (0.0024075, 0.0353715) |
| Maluku         | Interpersonal violence                                   | NN  | 36.3 (7.8, 101.8)             | 0.023404 (0.0050506, 0.0655711) | 17.8 (3.5, 52.6)              | 0.011746 (0.0023124, 0.0347458) |
| Maluku         | Transport injuries                                       | NN  | 91.6 (22.6, 260.3)            | 0.058994 (0.0145456, 0.1676363) | 18.5 (4.0, 54.0)              | 0.012195 (0.0026482, 0.0356611) |
| Maluku         | Other unintentional injuries                             | NN  | 232.1 (66.2, 575.2)           | 0.149509 (0.0426183, 0.3704774) | 62.8 (16.6, 154.4)            | 0.041500 (0.0109838, 0.1019961) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males                      |                                 | Females                    |                                 |
|----------|----------------------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                                          |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Diarrheal diseases                                       | PNN | 151.5 (65.1, 286.4)        | 0.007820 (0.0033612, 0.0147800) | 181.6 (79.7, 326.6)        | 0.009611 (0.0042205, 0.0172854) |
| Maluku   | HIV/AIDS                                                 | PNN | 10.8 (1.6, 34.7)           | 0.000559 (0.0000820, 0.0017928) | 9.7 (1.5, 31.8)            | 0.000515 (0.0000786, 0.0016823) |
| Maluku   | Lower respiratory infections                             | PNN | 110.8 (44.8, 200.9)        | 0.005719 (0.0023119, 0.0103664) | 97.4 (38.2, 183.0)         | 0.005156 (0.0020201, 0.0096839) |
| Maluku   | Malaria                                                  | PNN | 14.4 (0.5, 69.7)           | 0.000741 (0.0000256, 0.0035993) | 13.2 (0.5, 61.6)           | 0.000699 (0.0000269, 0.0032601) |
| Maluku   | Tuberculosis                                             | PNN | 27.9 (8.3, 68.1)           | 0.001439 (0.0004304, 0.0035153) | 26.9 (7.6, 66.1)           | 0.001424 (0.0003999, 0.0034973) |
| Maluku   | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 14.9 (3.6, 40.5)           | 0.000767 (0.0001870, 0.0020876) | 13.7 (3.6, 36.5)           | 0.000723 (0.0001912, 0.0019297) |
| Maluku   | Preterm birth complications                              | PNN | 6.7 (1.4, 18.3)            | 0.000348 (0.0000739, 0.0009447) | 9.4 (2.2, 27.8)            | 0.000500 (0.0001142, 0.0014709) |
| Maluku   | Other neonatal disorders                                 | PNN | 43.1 (4.4, 137.2)          | 0.002223 (0.0002264, 0.0070781) | 39.9 (4.1, 130.7)          | 0.002114 (0.0002170, 0.0069152) |
| Maluku   | Other communicable diseases                              | PNN | 138.6 (56.7, 258.4)        | 0.007152 (0.0029274, 0.0133358) | 117.2 (47.0, 228.3)        | 0.006203 (0.0024858, 0.0120820) |
| Maluku   | Other malignant neoplasms                                | PNN | 4.0 (1.2, 10.1)            | 0.000208 (0.0000619, 0.0005234) | 4.5 (1.3, 10.9)            | 0.000238 (0.0000662, 0.0005744) |
| Maluku   | Cerebrovascular disease                                  | PNN | 0.5 (0.1, 1.4)             | 0.000027 (0.0000061, 0.0000733) | 0.7 (0.2, 2.1)             | 0.000039 (0.0000089, 0.0001108) |
| Maluku   | Ischemic heart disease                                   | PNN | 0.3 (0.0, 1.3)             | 0.000014 (0.0000008, 0.0000684) | 0.4 (0.0, 1.9)             | 0.000020 (0.0000012, 0.0000983) |
| Maluku   | Other cardiovascular and circulatory diseases            | PNN | 0.8 (0.1, 2.4)             | 0.000039 (0.0000065, 0.0001227) | 1.0 (0.2, 3.3)             | 0.000052 (0.0000085, 0.0001720) |
| Maluku   | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.6)             | 0.000011 (0.0000000, 0.0000814) | 0.4 (0.0, 3.0)             | 0.000020 (0.0000001, 0.0001584) |
| Maluku   | Chronic kidney disease                                   | PNN | 4.1 (1.4, 9.4)             | 0.000210 (0.0000706, 0.0004843) | 4.8 (1.5, 10.8)            | 0.000253 (0.0000768, 0.0005729) |
| Maluku   | Other non-communicable diseases                          | PNN | 54.4 (25.1, 96.9)          | 0.002805 (0.0012974, 0.0050001) | 68.5 (31.1, 122.4)         | 0.003625 (0.0016446, 0.0064755) |
| Maluku   | Drowning                                                 | PNN | 8.3 (2.1, 20.4)            | 0.000426 (0.0001086, 0.0010521) | 2.5 (0.6, 6.9)             | 0.000134 (0.0000299, 0.0003642) |
| Maluku   | Falls                                                    | PNN | 2.8 (0.6, 7.3)             | 0.000143 (0.0000323, 0.0003787) | 1.2 (0.3, 3.2)             | 0.000062 (0.0000137, 0.0001684) |
| Maluku   | Interpersonal violence                                   | PNN | 1.4 (0.3, 4.0)             | 0.000073 (0.0000160, 0.0002070) | 1.1 (0.2, 3.0)             | 0.000058 (0.0000130, 0.0001591) |
| Maluku   | Transport injuries                                       | PNN | 3.8 (0.9, 9.4)             | 0.000194 (0.0000473, 0.0004835) | 1.2 (0.3, 3.1)             | 0.000064 (0.0000149, 0.0001664) |
| Maluku   | Other unintentional injuries                             | PNN | 9.1 (2.7, 21.0)            | 0.000472 (0.0001410, 0.0010820) | 3.9 (1.2, 9.5)             | 0.000208 (0.0000632, 0.0005032) |
| Maluku   | Diarrheal diseases                                       | 1   | 1,796.3 (629.6, 3,784.4)   | 0.020791 (0.0072863, 0.0438004) | 1,653.2 (623.3, 3,629.9)   | 0.020204 (0.0076178, 0.0443603) |
| Maluku   | HIV/AIDS                                                 | 1   | 260.9 (37.8, 885.9)        | 0.003019 (0.0004371, 0.0102527) | 182.7 (26.1, 636.1)        | 0.002232 (0.0003189, 0.0077742) |
| Maluku   | Lower respiratory infections                             | 1   | 2,675.2 (931.1, 5,794.5)   | 0.030963 (0.0107760, 0.0670648) | 1,829.1 (703.5, 3,751.8)   | 0.022353 (0.0085974, 0.0458499) |
| Maluku   | Malaria                                                  | 1   | 146.0 (4.3, 778.0)         | 0.001689 (0.0000494, 0.0090048) | 105.0 (3.5, 580.8)         | 0.001283 (0.0000427, 0.0070978) |
| Maluku   | Tuberculosis                                             | 1   | 709.6 (193.8, 1,729.9)     | 0.008213 (0.0022428, 0.0200221) | 534.4 (145.8, 1,338.3)     | 0.006530 (0.0017819, 0.0163552) |
| Maluku   | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 193.2 (39.4, 586.4)        | 0.002236 (0.0004557, 0.0067868) | 130.5 (27.1, 370.5)        | 0.001595 (0.0003315, 0.0045278) |
| Maluku   | Preterm birth complications                              | 1   | 15.9 (1.6, 58.6)           | 0.000184 (0.0000190, 0.0006782) | 16.3 (1.7, 58.5)           | 0.000199 (0.0000212, 0.0007145) |
| Maluku   | Other neonatal disorders                                 | 1   | 75.0 (0.3, 579.7)          | 0.000869 (0.0000039, 0.0067090) | 50.6 (0.2, 399.5)          | 0.000618 (0.0000023, 0.0048823) |
| Maluku   | Other communicable diseases                              | 1   | 3,414.5 (1,319.9, 6,933.1) | 0.039519 (0.0152768, 0.0802426) | 2,268.2 (943.2, 4,397.0)   | 0.027720 (0.0115273, 0.0537352) |
| Maluku   | Other malignant neoplasms                                | 1   | 61.6 (13.6, 174.3)         | 0.000712 (0.0001575, 0.0020179) | 59.2 (14.7, 153.4)         | 0.000724 (0.0001796, 0.0018746) |
| Maluku   | Cerebrovascular disease                                  | 1   | 8.7 (1.7, 27.2)            | 0.000101 (0.0000196, 0.0003147) | 10.7 (2.3, 31.5)           | 0.000131 (0.0000283, 0.0003854) |
| Maluku   | Ischemic heart disease                                   | 1   | 4.5 (0.3, 21.8)            | 0.000052 (0.0000032, 0.0002526) | 5.6 (0.3, 29.1)            | 0.000068 (0.0000040, 0.0003552) |
| Maluku   | Other cardiovascular and circulatory diseases            | 1   | 11.8 (2.0, 38.1)           | 0.000136 (0.0000231, 0.0004411) | 12.9 (2.4, 42.7)           | 0.000158 (0.0000289, 0.0005222) |
| Maluku   | Diabetes mellitus                                        | 1   | 3.1 (0.0, 27.1)            | 0.000036 (0.0000002, 0.0003139) | 4.9 (0.0, 40.9)            | 0.000060 (0.0000003, 0.0004992) |
| Maluku   | Chronic kidney disease                                   | 1   | 59.7 (15.7, 157.8)         | 0.000691 (0.0001819, 0.0018266) | 60.7 (17.6, 146.1)         | 0.000741 (0.0002153, 0.0017854) |
| Maluku   | Cirrhosis                                                | 1   | 92.4 (19.7, 249.7)         | 0.001069 (0.0002281, 0.0028903) | 45.5 (11.2, 123.6)         | 0.000556 (0.0001373, 0.0015104) |
| Maluku   | Chronic respiratory diseases                             | 1   | 205.7 (47.3, 524.2)        | 0.002381 (0.0005471, 0.0060666) | 89.8 (19.7, 236.2)         | 0.001097 (0.0002405, 0.0028869) |
| Maluku   | Other non-communicable diseases                          | 1   | 830.5 (310.0, 1,750.0)     | 0.009613 (0.0035879, 0.0202538) | 901.9 (376.1, 1,888.2)     | 0.011022 (0.0045965, 0.0230755) |
| Maluku   | Drowning                                                 | 1   | 534.8 (123.0, 1,372.6)     | 0.006190 (0.0014232, 0.0158864) | 136.2 (31.2, 360.4)        | 0.001664 (0.0003814, 0.0044038) |
| Maluku   | Falls                                                    | 1   | 124.1 (27.0, 329.9)        | 0.001436 (0.0003120, 0.0038185) | 43.1 (8.7, 115.7)          | 0.000527 (0.0001059, 0.0014140) |
| Maluku   | Interpersonal violence                                   | 1   | 52.2 (11.7, 147.1)         | 0.000604 (0.0001355, 0.0017026) | 33.5 (7.2, 88.8)           | 0.000409 (0.0000877, 0.0010852) |
| Maluku   | Transport injuries                                       | 1   | 216.1 (48.5, 581.2)        | 0.002501 (0.0005616, 0.0067270) | 57.5 (13.8, 160.9)         | 0.000703 (0.0001685, 0.0019664) |
| Maluku   | Other unintentional injuries                             | 1   | 358.2 (98.8, 852.0)        | 0.004146 (0.0011440, 0.0098604) | 126.8 (33.1, 308.1)        | 0.001549 (0.0004043, 0.0037648) |
| Maluku   | Diarrheal diseases                                       | 5   | 1,174.7 (643.3, 1,848.4)   | 0.010977 (0.0060117, 0.0172723) | 1,176.4 (672.0, 1,763.1)   | 0.011971 (0.0068383, 0.0179406) |
| Maluku   | HIV/AIDS                                                 | 5   | 119.8 (16.7, 364.0)        | 0.001119 (0.0001562, 0.0034016) | 90.1 (12.8, 282.8)         | 0.000917 (0.0001307, 0.0028772) |
| Maluku   | Lower respiratory infections                             | 5   | 1,203.5 (606.2, 1,895.7)   | 0.011246 (0.0056644, 0.0177142) | 883.1 (436.7, 1,419.0)     | 0.008986 (0.0044439, 0.0144394) |
| Maluku   | Malaria                                                  | 5   | 93.9 (3.7, 500.0)          | 0.000878 (0.0000345, 0.0046726) | 72.5 (2.8, 337.3)          | 0.000738 (0.0000288, 0.0034319) |
| Maluku   | Tuberculosis                                             | 5   | 454.6 (167.9, 938.1)       | 0.004249 (0.0015686, 0.0087664) | 366.6 (137.4, 756.5)       | 0.003730 (0.0013983, 0.0076974) |
| Maluku   | Other communicable diseases                              | 5   | 2,215.1 (1,487.3, 3,031.7) | 0.020699 (0.0138981, 0.0283298) | 1,602.7 (1,088.0, 2,241.7) | 0.016308 (0.0110715, 0.0228106) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                    |                                 | Females                  |                                 |
|----------|-----------------------------------------------|-----|--------------------------|---------------------------------|--------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Maluku   | Other malignant neoplasms                     | 5   | 305.6 (130.9, 555.4)     | 0.002855 (0.0012232, 0.0051900) | 322.3 (142.2, 574.0)     | 0.003279 (0.0014471, 0.0058412) |
| Maluku   | Cerebrovascular disease                       | 5   | 30.5 (12.0, 64.7)        | 0.000286 (0.0001124, 0.0006042) | 40.7 (17.6, 79.1)        | 0.000414 (0.0001795, 0.0008050) |
| Maluku   | Ischemic heart disease                        | 5   | 17.9 (5.7, 45.0)         | 0.000168 (0.0000529, 0.0004209) | 23.9 (7.6, 54.8)         | 0.000244 (0.0000769, 0.0005580) |
| Maluku   | Other cardiovascular and circulatory diseases | 5   | 47.3 (11.6, 120.3)       | 0.000442 (0.0001085, 0.0011246) | 55.9 (15.1, 138.1)       | 0.000569 (0.0001533, 0.0014057) |
| Maluku   | Diabetes mellitus                             | 5   | 30.2 (9.4, 70.6)         | 0.000282 (0.0000875, 0.0006593) | 52.3 (16.6, 120.7)       | 0.000532 (0.0001688, 0.0012286) |
| Maluku   | Chronic kidney disease                        | 5   | 103.6 (44.6, 201.4)      | 0.000968 (0.0004165, 0.0018821) | 116.2 (51.6, 221.9)      | 0.001182 (0.0005252, 0.0022576) |
| Maluku   | Cirrhosis                                     | 5   | 205.2 (85.6, 376.6)      | 0.001917 (0.0007997, 0.0035193) | 112.2 (45.9, 209.4)      | 0.001142 (0.0004676, 0.0021310) |
| Maluku   | Chronic respiratory diseases                  | 5   | 141.6 (51.1, 310.5)      | 0.001323 (0.0004779, 0.0029013) | 65.9 (22.3, 146.4)       | 0.000670 (0.0002274, 0.0014900) |
| Maluku   | Other non-communicable diseases               | 5   | 635.6 (376.4, 952.8)     | 0.005940 (0.0035173, 0.0089037) | 758.7 (467.8, 1,097.4)   | 0.007721 (0.0047606, 0.0111665) |
| Maluku   | Drowning                                      | 5   | 1,573.5 (775.0, 2,478.5) | 0.014704 (0.0072424, 0.0231611) | 596.5 (242.6, 1,080.0)   | 0.006070 (0.0024684, 0.0109895) |
| Maluku   | Falls                                         | 5   | 203.1 (61.4, 440.8)      | 0.001898 (0.0005735, 0.0041194) | 96.2 (25.0, 235.3)       | 0.000978 (0.0002546, 0.0023941) |
| Maluku   | Interpersonal violence                        | 5   | 37.8 (12.4, 83.9)        | 0.000353 (0.0001156, 0.0007842) | 32.7 (10.4, 71.9)        | 0.000333 (0.0001059, 0.0007314) |
| Maluku   | Transport injuries                            | 5   | 683.7 (266.6, 1,332.4)   | 0.006389 (0.0024915, 0.0124505) | 256.2 (87.5, 556.4)      | 0.002607 (0.0008904, 0.0056621) |
| Maluku   | Other unintentional injuries                  | 5   | 303.7 (119.0, 583.3)     | 0.002838 (0.0011124, 0.0054511) | 146.6 (50.7, 302.1)      | 0.001492 (0.0005157, 0.0030743) |
| Maluku   | Diarrheal diseases                            | 10  | 511.5 (240.3, 899.1)     | 0.005247 (0.0024653, 0.0092246) | 567.3 (274.3, 955.8)     | 0.006198 (0.0029969, 0.0104427) |
| Maluku   | HIV/AIDS                                      | 10  | 95.3 (16.8, 294.2)       | 0.000978 (0.0001728, 0.0030184) | 76.9 (13.2, 255.4)       | 0.000840 (0.0001441, 0.0027908) |
| Maluku   | Lower respiratory infections                  | 10  | 630.0 (252.2, 1,159.2)   | 0.006463 (0.0025874, 0.0118923) | 487.8 (181.7, 900.9)     | 0.005330 (0.0019854, 0.0098434) |
| Maluku   | Malaria                                       | 10  | 148.3 (7.2, 632.2)       | 0.001522 (0.0000738, 0.0064856) | 122.5 (6.1, 524.0)       | 0.001338 (0.0000667, 0.0057251) |
| Maluku   | Tuberculosis                                  | 10  | 762.8 (357.2, 1,349.8)   | 0.007826 (0.0036650, 0.0138481) | 640.0 (307.3, 1,120.1)   | 0.006993 (0.0033570, 0.0122378) |
| Maluku   | Maternal disorders                            | 10  |                          |                                 | 16.1 (2.5, 44.5)         | 0.000176 (0.0000276, 0.0004859) |
| Maluku   | Other communicable diseases                   | 10  | 1,431.7 (897.6, 2,094.4) | 0.014688 (0.0092087, 0.0214873) | 1,122.8 (681.5, 1,655.1) | 0.012267 (0.0074460, 0.0180835) |
| Maluku   | Other malignant neoplasms                     | 10  | 371.0 (171.8, 644.9)     | 0.003807 (0.0017623, 0.0066163) | 427.8 (206.5, 722.3)     | 0.004674 (0.0022564, 0.0078919) |
| Maluku   | Cerebrovascular disease                       | 10  | 43.0 (20.2, 80.8)        | 0.000441 (0.0002077, 0.0008291) | 60.3 (28.2, 106.7)       | 0.000659 (0.0003077, 0.0011662) |
| Maluku   | Ischemic heart disease                        | 10  | 37.6 (15.5, 79.6)        | 0.000386 (0.0001592, 0.0008168) | 51.6 (23.0, 101.4)       | 0.000563 (0.0002512, 0.0011083) |
| Maluku   | Other cardiovascular and circulatory diseases | 10  | 60.4 (18.2, 142.7)       | 0.000619 (0.0001869, 0.0014642) | 76.0 (24.0, 170.0)       | 0.000830 (0.0002621, 0.0018572) |
| Maluku   | Diabetes mellitus                             | 10  | 36.1 (15.4, 72.9)        | 0.000371 (0.0001579, 0.0007475) | 66.9 (29.3, 130.9)       | 0.000731 (0.0003198, 0.0014306) |
| Maluku   | Chronic kidney disease                        | 10  | 122.4 (60.4, 210.0)      | 0.001256 (0.0006199, 0.0021545) | 146.1 (71.6, 246.1)      | 0.001596 (0.0007826, 0.0026887) |
| Maluku   | Cirrhosis                                     | 10  | 199.0 (96.4, 339.8)      | 0.002042 (0.0009889, 0.0034856) | 117.4 (54.0, 201.7)      | 0.001282 (0.0005896, 0.0022035) |
| Maluku   | Chronic respiratory diseases                  | 10  | 201.2 (84.5, 386.6)      | 0.002064 (0.0008674, 0.0039660) | 101.9 (39.6, 206.0)      | 0.001113 (0.0004323, 0.0022508) |
| Maluku   | Other non-communicable diseases               | 10  | 637.3 (411.4, 918.3)     | 0.006538 (0.0042207, 0.0094216) | 799.0 (524.7, 1,122.6)   | 0.008730 (0.0057326, 0.0122653) |
| Maluku   | Drowning                                      | 10  | 808.4 (323.8, 1,480.5)   | 0.008293 (0.0033221, 0.0151887) | 308.1 (95.6, 659.7)      | 0.003366 (0.0010449, 0.0072076) |
| Maluku   | Falls                                         | 10  | 167.5 (50.1, 373.2)      | 0.001719 (0.0005144, 0.0038287) | 81.8 (22.9, 194.1)       | 0.000894 (0.0002502, 0.0021205) |
| Maluku   | Interpersonal violence                        | 10  | 54.3 (23.0, 107.9)       | 0.000558 (0.0002360, 0.0011075) | 47.1 (17.1, 95.6)        | 0.000515 (0.0001865, 0.0010449) |
| Maluku   | Self-harm                                     | 10  | 117.4 (40.3, 255.8)      | 0.001204 (0.0004129, 0.0026241) | 87.9 (27.6, 204.6)       | 0.000960 (0.0003016, 0.0022357) |
| Maluku   | Transport injuries                            | 10  | 953.4 (473.9, 1,578.8)   | 0.009781 (0.0048620, 0.0161971) | 379.5 (158.1, 722.7)     | 0.004146 (0.0017271, 0.0078964) |
| Maluku   | Other unintentional injuries                  | 10  | 278.6 (126.4, 494.9)     | 0.002859 (0.0012970, 0.0050770) | 136.0 (55.3, 268.6)      | 0.001486 (0.0006036, 0.0029344) |
| Maluku   | Diarrheal diseases                            | 15  | 249.3 (82.8, 524.2)      | 0.003099 (0.0010287, 0.0065148) | 289.2 (95.8, 579.6)      | 0.003847 (0.0012746, 0.0077099) |
| Maluku   | HIV/AIDS                                      | 15  | 85.8 (11.9, 308.3)       | 0.001066 (0.0001479, 0.0038315) | 74.9 (9.7, 277.0)        | 0.000996 (0.0001288, 0.0036838) |
| Maluku   | Lower respiratory infections                  | 15  | 289.8 (88.3, 653.8)      | 0.003601 (0.0010969, 0.0081247) | 214.0 (62.6, 505.3)      | 0.002846 (0.0008321, 0.0067214) |
| Maluku   | Malaria                                       | 15  | 291.8 (20.1, 948.8)      | 0.003626 (0.0002496, 0.0117909) | 263.6 (19.5, 804.1)      | 0.003506 (0.0002593, 0.0106956) |
| Maluku   | Tuberculosis                                  | 15  | 1,314.8 (754.6, 2,075.0) | 0.016339 (0.0093775, 0.0257873) | 1,098.2 (629.6, 1,689.6) | 0.014608 (0.0083748, 0.0224731) |
| Maluku   | Maternal disorders                            | 15  |                          |                                 | 86.8 (31.3, 186.0)       | 0.001155 (0.0004169, 0.0024736) |
| Maluku   | Other communicable diseases                   | 15  | 833.7 (351.0, 1,508.8)   | 0.010361 (0.0043616, 0.0187511) | 655.7 (265.5, 1,215.2)   | 0.008722 (0.0035311, 0.0161640) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 15  | 17.6 (3.1, 58.4)         | 0.000218 (0.0000384, 0.0007252) | 9.0 (1.3, 32.0)          | 0.000119 (0.0000169, 0.0004258) |
| Maluku   | Breast cancer                                 | 15  | 2.2 (0.2, 8.5)           | 0.000028 (0.0000025, 0.0001059) | 90.8 (16.4, 240.3)       | 0.001207 (0.0002183, 0.0031962) |
| Maluku   | Cervical cancer                               | 15  |                          |                                 | 53.9 (6.3, 207.5)        | 0.000717 (0.0000842, 0.0027603) |
| Maluku   | Other malignant neoplasms                     | 15  | 430.6 (198.0, 793.8)     | 0.005351 (0.0024604, 0.0098646) | 601.0 (274.7, 1,006.1)   | 0.007994 (0.0036532, 0.0133825) |
| Maluku   | Cerebrovascular disease                       | 15  | 82.0 (37.9, 148.1)       | 0.001019 (0.0004706, 0.0018402) | 106.4 (50.8, 190.6)      | 0.001415 (0.0006751, 0.0025347) |
| Maluku   | Ischemic heart disease                        | 15  | 131.1 (61.2, 239.0)      | 0.001630 (0.0007607, 0.0029704) | 142.4 (65.3, 258.6)      | 0.001894 (0.0008688, 0.0034392) |
| Maluku   | Other cardiovascular and circulatory diseases | 15  | 99.6 (33.8, 226.8)       | 0.001237 (0.0004200, 0.0028190) | 132.8 (43.5, 306.2)      | 0.001766 (0.0005791, 0.0040732) |
| Maluku   | Diabetes mellitus                             | 15  | 58.3 (24.1, 120.5)       | 0.000725 (0.0002997, 0.0014972) | 117.6 (47.1, 239.5)      | 0.001565 (0.0006270, 0.0031852) |
| Maluku   | Chronic kidney disease                        | 15  | 186.5 (91.5, 326.3)      | 0.002318 (0.0011374, 0.0040555) | 246.2 (115.3, 440.8)     | 0.003275 (0.0015339, 0.0058637) |

## Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Cirrhosis                                     | 15  | 229.5 (107.1, 412.6)       | 0.002852 (0.0013313, 0.0051281) | 143.0 (63.4, 259.2)        | 0.001902 (0.0008431, 0.0034478) |
| Maluku   | Chronic respiratory diseases                  | 15  | 175.9 (69.1, 339.3)        | 0.002186 (0.0008582, 0.0042167) | 117.5 (40.3, 241.1)        | 0.001563 (0.0005361, 0.0032068) |
| Maluku   | Other non-communicable diseases               | 15  | 793.9 (500.7, 1,224.4)     | 0.009867 (0.0062229, 0.0152156) | 976.1 (605.4, 1,373.7)     | 0.012984 (0.0080526, 0.0182721) |
| Maluku   | Drowning                                      | 15  | 382.7 (116.5, 876.6)       | 0.004756 (0.0014475, 0.0108938) | 132.5 (32.7, 355.3)        | 0.001762 (0.0004344, 0.0047261) |
| Maluku   | Falls                                         | 15  | 136.7 (48.5, 310.2)        | 0.001699 (0.0006025, 0.0038550) | 66.6 (20.0, 170.6)         | 0.000886 (0.0002659, 0.0022696) |
| Maluku   | Interpersonal violence                        | 15  | 140.2 (62.6, 264.9)        | 0.001743 (0.0007779, 0.0032917) | 137.3 (46.3, 293.8)        | 0.001826 (0.0006162, 0.0039075) |
| Maluku   | Self-harm                                     | 15  | 266.4 (109.1, 523.9)       | 0.003310 (0.0013558, 0.0065111) | 229.2 (78.3, 503.5)        | 0.003049 (0.0010416, 0.0066975) |
| Maluku   | Transport injuries                            | 15  | 2,592.6 (1,638.7, 3,785.7) | 0.032220 (0.0203654, 0.0470469) | 1,156.3 (616.8, 1,860.6)   | 0.015380 (0.0082045, 0.0247477) |
| Maluku   | Other unintentional injuries                  | 15  | 408.5 (202.0, 714.2)       | 0.005077 (0.0025099, 0.0088754) | 211.0 (85.6, 422.9)        | 0.002806 (0.0011386, 0.0056247) |
| Maluku   | Diarrheal diseases                            | 20  | 236.7 (77.1, 520.3)        | 0.003236 (0.0010543, 0.0071145) | 259.0 (88.8, 529.1)        | 0.003724 (0.0012763, 0.0076063) |
| Maluku   | HIV/AIDS                                      | 20  | 252.7 (48.2, 733.9)        | 0.003455 (0.0006587, 0.0100352) | 202.9 (36.4, 607.4)        | 0.002918 (0.0005230, 0.0087330) |
| Maluku   | Lower respiratory infections                  | 20  | 262.5 (80.6, 632.3)        | 0.003590 (0.0011026, 0.0086458) | 170.5 (48.5, 437.1)        | 0.002452 (0.0006971, 0.0062842) |
| Maluku   | Malaria                                       | 20  | 342.2 (24.0, 1,075.9)      | 0.004679 (0.0003280, 0.0147113) | 272.3 (17.5, 824.6)        | 0.003915 (0.0002522, 0.0118546) |
| Maluku   | Tuberculosis                                  | 20  | 2,299.7 (1,396.7, 3,367.6) | 0.031445 (0.0190974, 0.0460467) | 1,542.0 (907.9, 2,247.6)   | 0.022168 (0.0130526, 0.0323121) |
| Maluku   | Maternal disorders                            | 20  |                            |                                 | 398.8 (183.1, 749.5)       | 0.005734 (0.0026326, 0.0107752) |
| Maluku   | Other communicable diseases                   | 20  | 1,012.0 (422.2, 1,801.9)   | 0.013837 (0.0057727, 0.0246383) | 768.2 (330.4, 1,379.6)     | 0.011044 (0.0047500, 0.0198334) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 20  | 12.9 (2.1, 45.5)           | 0.000177 (0.0000289, 0.0006224) | 13.7 (2.4, 46.6)           | 0.000197 (0.0000340, 0.0006697) |
| Maluku   | Breast cancer                                 | 20  | 3.0 (0.4, 11.2)            | 0.000042 (0.0000057, 0.0001528) | 241.9 (69.7, 524.5)        | 0.003478 (0.0010024, 0.0075409) |
| Maluku   | Cervical cancer                               | 20  |                            |                                 | 128.7 (21.7, 391.8)        | 0.001851 (0.0003125, 0.0056332) |
| Maluku   | Other malignant neoplasms                     | 20  | 405.1 (195.5, 768.7)       | 0.005539 (0.0026730, 0.0105107) | 631.4 (274.6, 1,068.9)     | 0.009078 (0.0039483, 0.0153668) |
| Maluku   | Cerebrovascular disease                       | 20  | 163.5 (84.8, 277.7)        | 0.002236 (0.0011596, 0.0037971) | 179.3 (93.0, 299.8)        | 0.002578 (0.0013374, 0.0043103) |
| Maluku   | Ischemic heart disease                        | 20  | 249.0 (123.8, 438.7)       | 0.003404 (0.0016922, 0.0059981) | 176.1 (86.0, 309.7)        | 0.002531 (0.0012366, 0.0044523) |
| Maluku   | Other cardiovascular and circulatory diseases | 20  | 157.6 (57.8, 343.6)        | 0.002155 (0.0007907, 0.0046979) | 196.9 (78.2, 404.1)        | 0.002830 (0.0011246, 0.0058100) |
| Maluku   | Diabetes mellitus                             | 20  | 55.7 (24.8, 103.0)         | 0.000762 (0.0003389, 0.0014087) | 107.6 (47.9, 206.0)        | 0.001547 (0.0006882, 0.0029618) |
| Maluku   | Chronic kidney disease                        | 20  | 285.9 (150.6, 488.6)       | 0.003909 (0.0020587, 0.0066805) | 352.9 (177.1, 605.4)       | 0.005073 (0.0025468, 0.0087037) |
| Maluku   | Cirrhosis                                     | 20  | 365.5 (177.4, 628.4)       | 0.004998 (0.0024251, 0.0085919) | 227.3 (104.7, 396.8)       | 0.003268 (0.0015047, 0.0057053) |
| Maluku   | Chronic respiratory diseases                  | 20  | 344.7 (150.4, 651.2)       | 0.004714 (0.0020563, 0.0089048) | 288.3 (114.7, 545.4)       | 0.004144 (0.0016495, 0.0078413) |
| Maluku   | Other non-communicable diseases               | 20  | 800.7 (498.6, 1,250.8)     | 0.010948 (0.0068174, 0.0171028) | 884.0 (546.4, 1,276.6)     | 0.012709 (0.0078551, 0.0183526) |
| Maluku   | Drowning                                      | 20  | 282.7 (76.4, 723.0)        | 0.003866 (0.0010443, 0.0098857) | 94.3 (21.7, 267.2)         | 0.001356 (0.0003115, 0.0038413) |
| Maluku   | Falls                                         | 20  | 134.1 (44.7, 314.3)        | 0.001834 (0.0006110, 0.0042971) | 60.8 (18.9, 150.1)         | 0.000874 (0.0002715, 0.0021582) |
| Maluku   | Interpersonal violence                        | 20  | 161.3 (68.5, 322.5)        | 0.002205 (0.0009366, 0.0044097) | 127.9 (46.6, 278.8)        | 0.001839 (0.0006697, 0.0040078) |
| Maluku   | Self-harm                                     | 20  | 261.6 (104.6, 518.5)       | 0.003578 (0.0014296, 0.0070902) | 179.4 (59.3, 398.0)        | 0.002579 (0.0008531, 0.0057212) |
| Maluku   | Transport injuries                            | 20  | 2,048.4 (1,230.7, 3,200.9) | 0.028008 (0.0168275, 0.0437673) | 780.1 (393.6, 1,346.9)     | 0.011215 (0.0056586, 0.0193631) |
| Maluku   | Other unintentional injuries                  | 20  | 444.0 (205.8, 793.0)       | 0.006072 (0.0028137, 0.0108433) | 198.7 (80.4, 390.9)        | 0.002857 (0.0011560, 0.0056203) |
| Maluku   | Diarrheal diseases                            | 25  | 300.2 (104.2, 613.5)       | 0.004375 (0.0015187, 0.0089409) | 351.7 (124.6, 691.4)       | 0.004948 (0.0017523, 0.0097274) |
| Maluku   | HIV/AIDS                                      | 25  | 405.6 (88.3, 1,145.3)      | 0.005911 (0.0012862, 0.0166917) | 354.9 (72.6, 958.0)        | 0.004993 (0.0010220, 0.0134780) |
| Maluku   | Lower respiratory infections                  | 25  | 245.3 (76.5, 565.9)        | 0.003575 (0.0011154, 0.0082474) | 168.3 (48.7, 427.5)        | 0.002368 (0.0006857, 0.0060141) |
| Maluku   | Malaria                                       | 25  | 333.4 (22.9, 1,078.0)      | 0.004858 (0.0003340, 0.0157102) | 281.8 (17.7, 876.2)        | 0.003965 (0.0002492, 0.0123271) |
| Maluku   | Tuberculosis                                  | 25  | 2,774.9 (1,674.2, 4,044.1) | 0.040440 (0.0243988, 0.0589382) | 1,944.0 (1,134.0, 2,876.8) | 0.027349 (0.0159543, 0.0404741) |
| Maluku   | Maternal disorders                            | 25  |                            |                                 | 615.8 (287.1, 1,121.3)     | 0.008664 (0.0040393, 0.0157760) |
| Maluku   | Other communicable diseases                   | 25  | 969.9 (407.3, 1,738.0)     | 0.014136 (0.0059352, 0.0253297) | 790.0 (325.8, 1,417.0)     | 0.011115 (0.0045840, 0.0199353) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 25  | 15.9 (2.6, 57.8)           | 0.000232 (0.0000384, 0.0008422) | 19.3 (3.6, 63.4)           | 0.000272 (0.0000502, 0.0008925) |
| Maluku   | Breast cancer                                 | 25  | 2.9 (0.4, 9.9)             | 0.000042 (0.0000063, 0.0001443) | 505.2 (181.5, 1,005.9)     | 0.007108 (0.0025529, 0.0141513) |
| Maluku   | Cervical cancer                               | 25  |                            |                                 | 241.0 (47.6, 687.3)        | 0.003391 (0.0006702, 0.0096702) |
| Maluku   | Other malignant neoplasms                     | 25  | 478.4 (225.7, 886.6)       | 0.006972 (0.0032897, 0.0129217) | 721.3 (301.9, 1,246.3)     | 0.010148 (0.0042479, 0.0175344) |
| Maluku   | Cerebrovascular disease                       | 25  | 293.8 (163.8, 476.2)       | 0.004281 (0.0023872, 0.0069399) | 334.7 (180.0, 547.6)       | 0.004709 (0.0025318, 0.0077039) |
| Maluku   | Ischemic heart disease                        | 25  | 489.3 (274.6, 812.9)       | 0.007131 (0.0040027, 0.0118469) | 329.0 (171.9, 554.1)       | 0.004628 (0.0024180, 0.0077954) |
| Maluku   | Other cardiovascular and circulatory diseases | 25  | 205.0 (82.9, 441.8)        | 0.002987 (0.0012086, 0.0064391) | 280.4 (112.5, 554.5)       | 0.003945 (0.0015833, 0.0078016) |
| Maluku   | Diabetes mellitus                             | 25  | 89.1 (44.1, 156.9)         | 0.001298 (0.0006422, 0.0022863) | 182.7 (87.0, 328.9)        | 0.002571 (0.0012244, 0.0046279) |
| Maluku   | Chronic kidney disease                        | 25  | 307.4 (163.6, 511.5)       | 0.004481 (0.0023842, 0.0074541) | 404.1 (208.2, 691.8)       | 0.005685 (0.0029289, 0.0097327) |
| Maluku   | Cirrhosis                                     | 25  | 479.0 (249.4, 812.1)       | 0.006980 (0.0036345, 0.0118351) | 320.2 (156.9, 554.2)       | 0.004504 (0.0022071, 0.0077968) |
| Maluku   | Chronic respiratory diseases                  | 25  | 375.3 (176.3, 694.2)       | 0.005470 (0.0025697, 0.0101168) | 372.3 (154.3, 688.4)       | 0.005239 (0.0021709, 0.0096846) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Other non-communicable diseases               | 25  | 925.5 (594.8, 1,394.5)     | 0.013488 (0.0086683, 0.0203228) | 1,093.1 (682.9, 1,593.8)   | 0.015378 (0.0096071, 0.0224225) |
| Maluku   | Drowning                                      | 25  | 165.4 (41.4, 416.1)        | 0.002410 (0.0006038, 0.0060643) | 55.3 (12.9, 157.3)         | 0.000779 (0.0001810, 0.0022123) |
| Maluku   | Falls                                         | 25  | 168.5 (55.3, 369.9)        | 0.002456 (0.0008063, 0.0053911) | 77.0 (23.3, 177.7)         | 0.001083 (0.0003276, 0.0024997) |
| Maluku   | Interpersonal violence                        | 25  | 144.2 (58.3, 291.4)        | 0.002102 (0.0008490, 0.0042473) | 113.4 (40.0, 253.2)        | 0.001596 (0.0005631, 0.0035626) |
| Maluku   | Self-harm                                     | 25  | 217.0 (79.5, 445.8)        | 0.003163 (0.0011583, 0.0064966) | 146.4 (49.1, 330.7)        | 0.002060 (0.0006910, 0.0046527) |
| Maluku   | Transport injuries                            | 25  | 1,207.9 (610.9, 2,061.1)   | 0.017603 (0.0089026, 0.0300378) | 436.5 (186.1, 840.6)       | 0.006141 (0.0026188, 0.0118259) |
| Maluku   | Other unintentional injuries                  | 25  | 468.6 (208.7, 833.9)       | 0.006829 (0.0030419, 0.0121524) | 209.2 (80.0, 411.9)        | 0.002943 (0.0011254, 0.0057945) |
| Maluku   | Diarrheal diseases                            | 30  | 269.9 (89.7, 555.8)        | 0.004487 (0.0014914, 0.0092407) | 364.7 (126.8, 689.4)       | 0.005757 (0.0020026, 0.0108843) |
| Maluku   | HIV/AIDS                                      | 30  | 355.4 (75.7, 955.5)        | 0.005909 (0.0012584, 0.0158858) | 357.1 (76.3, 960.6)        | 0.005638 (0.0012044, 0.0151662) |
| Maluku   | Lower respiratory infections                  | 30  | 194.9 (61.2, 445.4)        | 0.003240 (0.0010176, 0.0074054) | 159.1 (44.5, 396.7)        | 0.002512 (0.0007027, 0.0062630) |
| Maluku   | Malaria                                       | 30  | 232.7 (16.5, 725.2)        | 0.003869 (0.0002742, 0.0120570) | 215.0 (13.6, 692.9)        | 0.003394 (0.0002155, 0.0109400) |
| Maluku   | Tuberculosis                                  | 30  | 2,414.0 (1,477.3, 3,491.2) | 0.040133 (0.0245607, 0.0580421) | 1,856.8 (1,080.6, 2,738.2) | 0.029315 (0.0170599, 0.0432292) |
| Maluku   | Maternal disorders                            | 30  |                            |                                 | 489.2 (222.4, 936.0)       | 0.007724 (0.0035109, 0.0147777) |
| Maluku   | Other communicable diseases                   | 30  | 553.7 (221.4, 1,053.6)     | 0.009205 (0.0036810, 0.0175166) | 531.7 (210.3, 1,025.3)     | 0.008395 (0.0033204, 0.0161866) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 30  | 31.7 (5.8, 103.7)          | 0.000527 (0.0000970, 0.0017246) | 21.3 (4.3, 66.0)           | 0.000336 (0.0000681, 0.0010426) |
| Maluku   | Breast cancer                                 | 30  | 3.8 (0.5, 14.1)            | 0.000063 (0.0000087, 0.0002344) | 732.6 (287.3, 1,333.5)     | 0.011566 (0.0045358, 0.0210525) |
| Maluku   | Cervical cancer                               | 30  |                            |                                 | 354.0 (82.7, 935.2)        | 0.005590 (0.0013056, 0.0147642) |
| Maluku   | Other malignant neoplasms                     | 30  | 555.7 (267.2, 993.8)       | 0.009238 (0.0044418, 0.0165228) | 690.8 (261.7, 1,257.4)     | 0.010907 (0.0041316, 0.0198512) |
| Maluku   | Cerebrovascular disease                       | 30  | 442.9 (261.6, 691.1)       | 0.007364 (0.0043492, 0.0114903) | 541.5 (308.2, 841.4)       | 0.008549 (0.0048664, 0.0132833) |
| Maluku   | Ischemic heart disease                        | 30  | 689.6 (399.8, 1,077.1)     | 0.011464 (0.0066465, 0.0179074) | 479.2 (251.8, 788.3)       | 0.007566 (0.0039757, 0.0124449) |
| Maluku   | Other cardiovascular and circulatory diseases | 30  | 237.9 (99.8, 494.3)        | 0.003955 (0.0016592, 0.0082177) | 344.5 (140.6, 691.1)       | 0.005440 (0.0022198, 0.0109103) |
| Maluku   | Diabetes mellitus                             | 30  | 135.1 (70.8, 232.3)        | 0.002247 (0.0011767, 0.0038619) | 283.8 (143.4, 503.3)       | 0.004480 (0.0022640, 0.0079455) |
| Maluku   | Chronic kidney disease                        | 30  | 309.4 (168.3, 515.6)       | 0.005144 (0.0027986, 0.0085712) | 411.7 (210.0, 705.9)       | 0.006500 (0.0033149, 0.0111446) |
| Maluku   | Cirrhosis                                     | 30  | 567.0 (296.6, 928.9)       | 0.009426 (0.0049305, 0.0154438) | 406.8 (202.6, 679.6)       | 0.006422 (0.0031983, 0.0107288) |
| Maluku   | Chronic respiratory diseases                  | 30  | 358.4 (165.0, 675.9)       | 0.005959 (0.0027433, 0.0112366) | 373.6 (160.4, 694.3)       | 0.005898 (0.0025330, 0.0109607) |
| Maluku   | Other non-communicable diseases               | 30  | 915.1 (589.2, 1,386.8)     | 0.015213 (0.0097960, 0.0230559) | 1,156.0 (721.0, 1,714.7)   | 0.018251 (0.0113829, 0.0270705) |
| Maluku   | Drowning                                      | 30  | 154.0 (40.1, 392.8)        | 0.002561 (0.0006661, 0.0065311) | 65.4 (13.8, 181.3)         | 0.001033 (0.0002175, 0.0028627) |
| Maluku   | Falls                                         | 30  | 169.8 (53.5, 368.5)        | 0.002823 (0.0008897, 0.0061259) | 93.8 (28.5, 216.9)         | 0.001481 (0.0004498, 0.0034246) |
| Maluku   | Interpersonal violence                        | 30  | 98.9 (36.9, 196.9)         | 0.001644 (0.0006139, 0.0032743) | 82.6 (29.7, 181.4)         | 0.001304 (0.0004694, 0.0028640) |
| Maluku   | Self-harm                                     | 30  | 146.9 (52.7, 302.1)        | 0.002443 (0.0008769, 0.0050225) | 103.3 (34.0, 224.1)        | 0.001631 (0.0005374, 0.0035375) |
| Maluku   | Transport injuries                            | 30  | 885.5 (426.9, 1,545.3)     | 0.014721 (0.0070970, 0.0256910) | 368.5 (156.4, 719.0)       | 0.005818 (0.0024698, 0.0113517) |
| Maluku   | Other unintentional injuries                  | 30  | 370.7 (162.2, 683.1)       | 0.006163 (0.0026960, 0.0113570) | 186.2 (72.1, 363.7)        | 0.002940 (0.0011378, 0.0057426) |
| Maluku   | Diarrheal diseases                            | 35  | 217.0 (70.0, 460.6)        | 0.004040 (0.0013031, 0.0085729) | 330.2 (107.9, 653.3)       | 0.006383 (0.0020864, 0.0126301) |
| Maluku   | HIV/AIDS                                      | 35  | 287.6 (55.5, 781.5)        | 0.005352 (0.0010329, 0.0145471) | 318.2 (59.9, 904.6)        | 0.006153 (0.0011579, 0.0174902) |
| Maluku   | Lower respiratory infections                  | 35  | 186.3 (56.1, 433.5)        | 0.003468 (0.0010442, 0.0080697) | 172.3 (47.9, 421.2)        | 0.003332 (0.0009264, 0.0081435) |
| Maluku   | Malaria                                       | 35  | 190.5 (13.1, 625.0)        | 0.003546 (0.0002439, 0.0116332) | 192.2 (12.1, 637.8)        | 0.003716 (0.0002336, 0.0123310) |
| Maluku   | Tuberculosis                                  | 35  | 2,357.7 (1,454.5, 3,409.8) | 0.043885 (0.0270738, 0.0634690) | 1,976.2 (1,124.4, 3,020.5) | 0.038207 (0.0217379, 0.0583965) |
| Maluku   | Maternal disorders                            | 35  |                            |                                 | 315.2 (121.8, 648.4)       | 0.006094 (0.0023554, 0.0125353) |
| Maluku   | Other communicable diseases                   | 35  | 451.2 (169.6, 882.8)       | 0.008399 (0.0031568, 0.0164327) | 490.6 (187.1, 934.1)       | 0.009485 (0.0036182, 0.0180587) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 35  | 27.6 (4.9, 85.0)           | 0.000513 (0.0000912, 0.0015815) | 26.9 (5.2, 81.9)           | 0.000521 (0.0001001, 0.0015832) |
| Maluku   | Breast cancer                                 | 35  | 7.3 (1.0, 23.7)            | 0.000136 (0.0000194, 0.0004409) | 984.4 (355.8, 1,771.3)     | 0.019033 (0.0068792, 0.0342461) |
| Maluku   | Cervical cancer                               | 35  |                            |                                 | 520.1 (128.4, 1,331.5)     | 0.010056 (0.0024828, 0.0257419) |
| Maluku   | Other malignant neoplasms                     | 35  | 754.7 (387.8, 1,320.8)     | 0.014047 (0.0072192, 0.0245854) | 691.0 (251.4, 1,308.7)     | 0.013360 (0.0048595, 0.0253012) |
| Maluku   | Cerebrovascular disease                       | 35  | 711.7 (436.9, 1,076.7)     | 0.013246 (0.0081319, 0.0200406) | 877.7 (506.9, 1,334.6)     | 0.016969 (0.0097995, 0.0258023) |
| Maluku   | Ischemic heart disease                        | 35  | 981.5 (596.0, 1,472.6)     | 0.018270 (0.0110945, 0.0274109) | 705.6 (384.4, 1,150.7)     | 0.013642 (0.0074317, 0.0222481) |
| Maluku   | Other cardiovascular and circulatory diseases | 35  | 312.2 (132.7, 662.7)       | 0.005812 (0.0024700, 0.0123358) | 445.5 (185.9, 873.8)       | 0.008614 (0.0035933, 0.0168945) |
| Maluku   | Diabetes mellitus                             | 35  | 246.7 (135.0, 425.1)       | 0.004591 (0.0025128, 0.0079117) | 498.0 (258.5, 853.6)       | 0.009628 (0.0049986, 0.0165040) |
| Maluku   | Chronic kidney disease                        | 35  | 357.5 (195.4, 591.7)       | 0.006655 (0.0036379, 0.0110139) | 458.0 (234.4, 790.8)       | 0.008856 (0.0045315, 0.0152882) |
| Maluku   | Cirrhosis                                     | 35  | 685.7 (376.0, 1,105.8)     | 0.012764 (0.0069985, 0.0205822) | 486.5 (242.5, 810.0)       | 0.009406 (0.0046890, 0.0156603) |
| Maluku   | Chronic respiratory diseases                  | 35  | 428.2 (203.3, 812.9)       | 0.007970 (0.0037846, 0.0151302) | 418.9 (178.3, 770.1)       | 0.008099 (0.0034477, 0.0148897) |
| Maluku   | Other non-communicable diseases               | 35  | 967.2 (616.3, 1,443.7)     | 0.018004 (0.0114712, 0.0268717) | 1,223.2 (743.6, 1,850.9)   | 0.023649 (0.0143774, 0.0357844) |
| Maluku   | Drowning                                      | 35  | 172.6 (47.9, 435.8)        | 0.003213 (0.0008914, 0.0081113) | 79.6 (19.7, 228.4)         | 0.001540 (0.0003817, 0.0044157) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Falls                                         | 35  | 155.4 (47.5, 328.1)        | 0.002892 (0.0008835, 0.0061072) | 91.3 (26.2, 206.9)         | 0.001766 (0.0005072, 0.0040002) |
| Maluku   | Interpersonal violence                        | 35  | 79.1 (28.2, 163.3)         | 0.001473 (0.0005255, 0.0030394) | 66.4 (21.6, 145.6)         | 0.001284 (0.0004172, 0.0028153) |
| Maluku   | Self-harm                                     | 35  | 126.7 (44.4, 261.9)        | 0.002358 (0.0008257, 0.0048749) | 88.5 (28.2, 196.1)         | 0.001711 (0.0005448, 0.0037914) |
| Maluku   | Transport injuries                            | 35  | 649.9 (288.3, 1,179.8)     | 0.012097 (0.0053660, 0.0219594) | 278.4 (106.1, 550.4)       | 0.005382 (0.0020523, 0.0106414) |
| Maluku   | Other unintentional injuries                  | 35  | 321.3 (135.5, 594.7)       | 0.005980 (0.0025213, 0.0110692) | 165.7 (62.4, 333.5)        | 0.003204 (0.0012055, 0.0064475) |
| Maluku   | Diarrheal diseases                            | 40  | 210.7 (71.3, 441.4)        | 0.004554 (0.0015411, 0.0095394) | 351.7 (129.8, 676.4)       | 0.007730 (0.0028532, 0.0148691) |
| Maluku   | HIV/AIDS                                      | 40  | 144.6 (26.7, 428.0)        | 0.003125 (0.0005773, 0.0092486) | 170.1 (32.1, 515.4)        | 0.003739 (0.0007066, 0.0113301) |
| Maluku   | Lower respiratory infections                  | 40  | 170.9 (51.3, 401.9)        | 0.003694 (0.0011085, 0.0086862) | 178.6 (50.9, 431.5)        | 0.003927 (0.0011191, 0.0094846) |
| Maluku   | Malaria                                       | 40  | 172.6 (13.0, 557.8)        | 0.003730 (0.0002810, 0.0120556) | 177.9 (10.1, 590.9)        | 0.003911 (0.0002209, 0.0129887) |
| Maluku   | Tuberculosis                                  | 40  | 2,075.4 (1,320.3, 3,048.5) | 0.044851 (0.0285331, 0.0658821) | 1,787.6 (1,051.3, 2,753.2) | 0.039294 (0.0231091, 0.0605210) |
| Maluku   | Maternal disorders                            | 40  |                            |                                 | 76.5 (25.8, 169.5)         | 0.001683 (0.0005676, 0.0037264) |
| Maluku   | Other communicable diseases                   | 40  | 393.8 (141.2, 784.0)       | 0.008510 (0.0030509, 0.0169433) | 480.4 (193.9, 917.2)       | 0.010561 (0.0042629, 0.0201609) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 40  | 56.0 (12.2, 173.1)         | 0.001210 (0.0002640, 0.0037399) | 31.6 (6.6, 93.8)           | 0.000694 (0.0001453, 0.0020620) |
| Maluku   | Breast cancer                                 | 40  | 13.1 (2.2, 38.9)           | 0.000284 (0.0000468, 0.0008413) | 1,145.4 (434.3, 2,044.9)   | 0.025178 (0.0095464, 0.0449501) |
| Maluku   | Cervical cancer                               | 40  |                            |                                 | 657.9 (176.1, 1,658.7)     | 0.014461 (0.0038714, 0.0364614) |
| Maluku   | Other malignant neoplasms                     | 40  | 966.2 (490.7, 1,713.0)     | 0.020882 (0.0106039, 0.0370211) | 656.0 (232.6, 1,259.3)     | 0.014420 (0.0051119, 0.0276815) |
| Maluku   | Cerebrovascular disease                       | 40  | 1,121.3 (691.7, 1,677.4)   | 0.024232 (0.0149493, 0.0362515) | 1,332.8 (806.1, 1,956.1)   | 0.029297 (0.0177201, 0.0429976) |
| Maluku   | Ischemic heart disease                        | 40  | 1,444.1 (912.0, 2,148.0)   | 0.031210 (0.0197094, 0.0464216) | 1,000.9 (569.3, 1,590.4)   | 0.022003 (0.0125143, 0.0349597) |
| Maluku   | Other cardiovascular and circulatory diseases | 40  | 438.2 (187.6, 917.7)       | 0.009471 (0.0040551, 0.0198325) | 579.2 (244.7, 1,135.1)     | 0.012731 (0.0053780, 0.0249516) |
| Maluku   | Diabetes mellitus                             | 40  | 496.0 (281.3, 831.3)       | 0.010720 (0.0060792, 0.0179645) | 903.1 (487.5, 1,464.9)     | 0.019851 (0.0107150, 0.0322013) |
| Maluku   | Chronic kidney disease                        | 40  | 438.8 (233.7, 712.7)       | 0.009482 (0.0050514, 0.0154027) | 503.7 (264.1, 859.6)       | 0.011071 (0.0058053, 0.0188946) |
| Maluku   | Cirrhosis                                     | 40  | 808.6 (446.8, 1,292.5)     | 0.017475 (0.0096549, 0.0279322) | 548.1 (283.6, 897.2)       | 0.012048 (0.0062342, 0.0197217) |
| Maluku   | Chronic respiratory diseases                  | 40  | 525.5 (256.7, 991.7)       | 0.011356 (0.0055486, 0.0214322) | 463.2 (205.2, 861.4)       | 0.010182 (0.0045106, 0.0189350) |
| Maluku   | Other non-communicable diseases               | 40  | 1,046.5 (650.1, 1,590.0)   | 0.022615 (0.0140500, 0.0343627) | 1,257.4 (777.8, 1,890.1)   | 0.027640 (0.0170980, 0.0415466) |
| Maluku   | Drowning                                      | 40  | 81.7 (21.0, 215.8)         | 0.001766 (0.0004544, 0.0046634) | 42.1 (9.6, 114.5)          | 0.000926 (0.0002102, 0.0025160) |
| Maluku   | Falls                                         | 40  | 121.8 (37.4, 276.9)        | 0.002632 (0.0008078, 0.0059848) | 76.6 (22.5, 177.4)         | 0.001684 (0.0004939, 0.0039001) |
| Maluku   | Interpersonal violence                        | 40  | 56.1 (19.3, 119.3)         | 0.001213 (0.0004166, 0.0025777) | 43.4 (14.3, 96.2)          | 0.000954 (0.0003151, 0.0021147) |
| Maluku   | Self-harm                                     | 40  | 101.9 (35.2, 223.4)        | 0.002203 (0.0007609, 0.0048282) | 64.1 (20.2, 143.5)         | 0.001408 (0.0004441, 0.0031553) |
| Maluku   | Transport injuries                            | 40  | 465.7 (194.2, 882.3)       | 0.010065 (0.0041974, 0.0190685) | 203.7 (75.2, 415.9)        | 0.004477 (0.0016523, 0.0091417) |
| Maluku   | Other unintentional injuries                  | 40  | 231.8 (93.9, 447.2)        | 0.005010 (0.0020289, 0.0096645) | 117.8 (45.9, 244.9)        | 0.002590 (0.0010082, 0.0053826) |
| Maluku   | Diarrheal diseases                            | 45  | 186.6 (58.8, 395.7)        | 0.004607 (0.0014505, 0.0097680) | 353.0 (119.7, 695.8)       | 0.008952 (0.0030363, 0.0176462) |
| Maluku   | HIV/AIDS                                      | 45  | 71.1 (11.9, 222.1)         | 0.001756 (0.0002926, 0.0054831) | 94.6 (16.1, 303.2)         | 0.002398 (0.0004083, 0.0076904) |
| Maluku   | Lower respiratory infections                  | 45  | 187.0 (55.6, 452.6)        | 0.004616 (0.0013732, 0.0111713) | 224.5 (61.9, 526.6)        | 0.005694 (0.0015711, 0.0133561) |
| Maluku   | Malaria                                       | 45  | 137.9 (10.1, 444.5)        | 0.003404 (0.0002489, 0.0109722) | 155.2 (9.5, 530.3)         | 0.003935 (0.0002414, 0.0134493) |
| Maluku   | Tuberculosis                                  | 45  | 2,122.0 (1,340.5, 3,122.0) | 0.052382 (0.0330900, 0.0770663) | 1,986.7 (1,213.5, 2,952.9) | 0.050384 (0.0307749, 0.0748892) |
| Maluku   | Maternal disorders                            | 45  |                            |                                 | 11.3 (3.4, 27.5)           | 0.000288 (0.0000852, 0.0006962) |
| Maluku   | Other communicable diseases                   | 45  | 298.1 (106.5, 609.1)       | 0.007358 (0.0026287, 0.0150366) | 416.8 (163.3, 834.8)       | 0.010571 (0.0041409, 0.0211715) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 45  | 68.2 (16.0, 197.9)         | 0.001685 (0.0003956, 0.0048854) | 39.4 (8.3, 121.3)          | 0.000998 (0.0002116, 0.0030770) |
| Maluku   | Breast cancer                                 | 45  | 16.2 (3.2, 44.3)           | 0.000401 (0.0000785, 0.0010945) | 1,205.1 (449.4, 2,214.5)   | 0.030562 (0.0113962, 0.0561622) |
| Maluku   | Cervical cancer                               | 45  |                            |                                 | 627.9 (157.3, 1,714.2)     | 0.015924 (0.0039894, 0.0434730) |
| Maluku   | Other malignant neoplasms                     | 45  | 882.9 (443.4, 1,603.5)     | 0.021793 (0.0109459, 0.0395816) | 631.3 (216.6, 1,278.4)     | 0.016011 (0.0054930, 0.0324222) |
| Maluku   | Cerebrovascular disease                       | 45  | 1,554.5 (977.8, 2,315.3)   | 0.038374 (0.0241382, 0.0571521) | 1,944.2 (1,224.7, 2,748.2) | 0.049307 (0.0310597, 0.0696968) |
| Maluku   | Ischemic heart disease                        | 45  | 1,835.0 (1,154.1, 2,766.6) | 0.045298 (0.0284901, 0.0682932) | 1,305.7 (744.0, 2,033.1)   | 0.033113 (0.0188686, 0.0515624) |
| Maluku   | Other cardiovascular and circulatory diseases | 45  | 553.0 (239.6, 1,123.8)     | 0.013651 (0.0059155, 0.0277402) | 767.4 (335.9, 1,474.9)     | 0.019462 (0.0085196, 0.0374060) |
| Maluku   | Diabetes mellitus                             | 45  | 779.8 (453.1, 1,294.5)     | 0.019251 (0.0111857, 0.0319551) | 1,452.5 (846.4, 2,279.5)   | 0.036837 (0.0214661, 0.0578100) |
| Maluku   | Chronic kidney disease                        | 45  | 465.4 (254.8, 739.1)       | 0.011489 (0.0062896, 0.0182453) | 548.5 (289.2, 919.5)       | 0.013912 (0.0073338, 0.0233196) |
| Maluku   | Cirrhosis                                     | 45  | 800.4 (443.6, 1,279.7)     | 0.019759 (0.0109495, 0.0315894) | 574.9 (294.7, 928.3)       | 0.014580 (0.0074736, 0.0235422) |
| Maluku   | Chronic respiratory diseases                  | 45  | 666.1 (325.9, 1,223.7)     | 0.016444 (0.0080447, 0.0302073) | 629.2 (285.9, 1,140.0)     | 0.015957 (0.0072502, 0.0289111) |
| Maluku   | Other non-communicable diseases               | 45  | 1,032.4 (632.2, 1,586.9)   | 0.025484 (0.0156051, 0.0391737) | 1,310.4 (817.5, 1,985.4)   | 0.033234 (0.0207320, 0.0503512) |
| Maluku   | Drowning                                      | 45  | 49.8 (11.5, 157.5)         | 0.001229 (0.0002842, 0.0038868) | 29.4 (6.4, 87.4)           | 0.000746 (0.0001634, 0.0022165) |
| Maluku   | Falls                                         | 45  | 122.7 (37.4, 270.5)        | 0.003029 (0.0009233, 0.0066782) | 86.3 (27.6, 200.7)         | 0.002189 (0.0007008, 0.0050890) |
| Maluku   | Interpersonal violence                        | 45  | 46.6 (15.1, 99.8)          | 0.001149 (0.0003723, 0.0024632) | 37.1 (11.6, 80.0)          | 0.000941 (0.0002942, 0.0020302) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Self-harm                                     | 45  | 97.2 (30.1, 215.5)         | 0.002399 (0.0007420, 0.0053195) | 62.3 (18.9, 138.8)         | 0.001581 (0.0004793, 0.0035190) |
| Maluku   | Transport injuries                            | 45  | 428.9 (180.1, 844.0)       | 0.010587 (0.0044454, 0.0208336) | 204.8 (82.8, 408.3)        | 0.005194 (0.0020991, 0.0103551) |
| Maluku   | Other unintentional injuries                  | 45  | 203.7 (80.0, 406.7)        | 0.005028 (0.0019736, 0.0100388) | 110.8 (42.0, 224.7)        | 0.002810 (0.0010641, 0.0056991) |
| Maluku   | Diarrheal diseases                            | 50  | 227.6 (80.2, 492.3)        | 0.006794 (0.0023935, 0.0146970) | 430.5 (170.0, 831.9)       | 0.012924 (0.0051042, 0.0249750) |
| Maluku   | HIV/AIDS                                      | 50  | 29.9 (4.4, 104.5)          | 0.000892 (0.0001321, 0.0031191) | 39.6 (6.1, 130.1)          | 0.001190 (0.0001822, 0.0039046) |
| Maluku   | Lower respiratory infections                  | 50  | 214.7 (62.2, 492.7)        | 0.006408 (0.0018564, 0.0147084) | 284.8 (81.6, 674.2)        | 0.008552 (0.0024494, 0.0202409) |
| Maluku   | Malaria                                       | 50  | 133.8 (9.7, 452.4)         | 0.003993 (0.0002898, 0.0135055) | 142.2 (7.8, 511.7)         | 0.004269 (0.0002328, 0.0153615) |
| Maluku   | Tuberculosis                                  | 50  | 2,109.2 (1,309.6, 3,070.2) | 0.062961 (0.0390938, 0.0916487) | 2,056.2 (1,249.2, 3,086.2) | 0.061734 (0.0375048, 0.0926590) |
| Maluku   | Maternal disorders                            | 50  |                            |                                 | 4.5 (1.1, 13.2)            | 0.000135 (0.0000325, 0.0003972) |
| Maluku   | Other communicable diseases                   | 50  | 276.2 (101.4, 583.3)       | 0.008246 (0.0030276, 0.0174132) | 394.8 (162.4, 785.9)       | 0.011853 (0.0048754, 0.0235947) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 50  | 89.2 (20.5, 266.5)         | 0.002663 (0.0006132, 0.0079564) | 41.3 (9.0, 122.3)          | 0.001240 (0.0002699, 0.0036729) |
| Maluku   | Breast cancer                                 | 50  | 19.0 (4.2, 51.3)           | 0.000567 (0.0001245, 0.0015309) | 967.1 (325.1, 1,836.3)     | 0.029035 (0.0097613, 0.0551308) |
| Maluku   | Cervical cancer                               | 50  |                            |                                 | 561.9 (140.5, 1,480.6)     | 0.016870 (0.0042193, 0.0444517) |
| Maluku   | Other malignant neoplasms                     | 50  | 958.0 (451.1, 1,732.8)     | 0.028597 (0.0134664, 0.0517256) | 590.2 (192.8, 1,197.9)     | 0.017720 (0.0057888, 0.0359637) |
| Maluku   | Cerebrovascular disease                       | 50  | 1,952.8 (1,249.6, 2,835.4) | 0.058292 (0.0373033, 0.0846404) | 2,581.6 (1,705.6, 3,588.3) | 0.077509 (0.0512075, 0.1077342) |
| Maluku   | Ischemic heart disease                        | 50  | 1,835.0 (1,152.6, 2,758.3) | 0.054777 (0.0344080, 0.0823382) | 1,538.9 (905.4, 2,391.6)   | 0.046202 (0.0271826, 0.0718029) |
| Maluku   | Other cardiovascular and circulatory diseases | 50  | 734.1 (319.3, 1,458.6)     | 0.021914 (0.0095316, 0.0435419) | 975.4 (431.6, 1,809.4)     | 0.029286 (0.0129591, 0.0543259) |
| Maluku   | Diabetes mellitus                             | 50  | 992.3 (582.4, 1,606.0)     | 0.029622 (0.0173854, 0.0479410) | 1,842.8 (1,079.1, 2,822.7) | 0.055326 (0.0323974, 0.0847465) |
| Maluku   | Chronic kidney disease                        | 50  | 470.5 (256.0, 743.7)       | 0.014044 (0.0076418, 0.0222011) | 548.0 (295.8, 914.3)       | 0.016452 (0.0088811, 0.0274492) |
| Maluku   | Cirrhosis                                     | 50  | 789.5 (432.0, 1,280.1)     | 0.023568 (0.0128971, 0.0382127) | 589.4 (306.6, 929.7)       | 0.017697 (0.0092047, 0.0279125) |
| Maluku   | Chronic respiratory diseases                  | 50  | 971.7 (481.1, 1,729.7)     | 0.029007 (0.0143609, 0.0516350) | 813.0 (380.7, 1,445.2)     | 0.024410 (0.0114313, 0.0433901) |
| Maluku   | Other non-communicable diseases               | 50  | 1,058.6 (637.5, 1,610.1)   | 0.031599 (0.0190316, 0.0480640) | 1,358.4 (841.8, 2,022.4)   | 0.040785 (0.0252729, 0.0607184) |
| Maluku   | Drowning                                      | 50  | 30.3 (6.8, 86.3)           | 0.000906 (0.0002022, 0.0025767) | 20.7 (4.6, 62.4)           | 0.000622 (0.0001367, 0.0018728) |
| Maluku   | Falls                                         | 50  | 118.2 (36.6, 265.2)        | 0.003527 (0.0010932, 0.0079174) | 91.9 (29.8, 199.7)         | 0.002758 (0.0008958, 0.0059942) |
| Maluku   | Interpersonal violence                        | 50  | 32.9 (10.1, 72.7)          | 0.000982 (0.0003005, 0.0021693) | 25.6 (8.3, 55.1)           | 0.000768 (0.0002490, 0.0016540) |
| Maluku   | Self-harm                                     | 50  | 77.1 (25.0, 176.9)         | 0.002302 (0.0007450, 0.0052812) | 47.4 (14.7, 109.5)         | 0.001423 (0.0004419, 0.0032871) |
| Maluku   | Transport injuries                            | 50  | 292.3 (121.1, 595.8)       | 0.008727 (0.0036165, 0.0177854) | 148.7 (57.8, 301.6)        | 0.004465 (0.0017360, 0.0090543) |
| Maluku   | Other unintentional injuries                  | 50  | 146.9 (58.6, 300.7)        | 0.004385 (0.0017508, 0.0089756) | 82.5 (32.0, 171.7)         | 0.002477 (0.0009606, 0.0051549) |
| Maluku   | Diarrheal diseases                            | 55  | 214.8 (72.8, 454.7)        | 0.008732 (0.0029579, 0.0184839) | 377.3 (145.0, 724.0)       | 0.016160 (0.0062091, 0.0310104) |
| Maluku   | HIV/AIDS                                      | 55  | 11.1 (1.5, 38.8)           | 0.000452 (0.0000615, 0.0015766) | 14.5 (2.1, 50.5)           | 0.000622 (0.0000885, 0.0021623) |
| Maluku   | Lower respiratory infections                  | 55  | 204.3 (60.2, 484.4)        | 0.008307 (0.0024489, 0.0196932) | 244.7 (72.4, 586.9)        | 0.010483 (0.0030995, 0.0251414) |
| Maluku   | Malaria                                       | 55  | 113.5 (7.2, 395.5)         | 0.004613 (0.0002928, 0.0160808) | 121.1 (6.7, 436.1)         | 0.005188 (0.0002869, 0.0186801) |
| Maluku   | Tuberculosis                                  | 55  | 1,690.7 (1,027.8, 2,517.7) | 0.068733 (0.0417826, 0.1023563) | 1,625.4 (946.9, 2,419.5)   | 0.069624 (0.0405593, 0.1036369) |
| Maluku   | Other communicable diseases                   | 55  | 231.8 (85.9, 514.7)        | 0.009422 (0.0034925, 0.0209253) | 299.1 (120.1, 602.0)       | 0.012811 (0.0051448, 0.0257881) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 55  | 85.9 (20.5, 245.6)         | 0.003490 (0.0008332, 0.0099844) | 30.0 (7.1, 88.5)           | 0.001284 (0.0003023, 0.0037926) |
| Maluku   | Breast cancer                                 | 55  | 13.9 (3.3, 38.3)           | 0.000565 (0.0001349, 0.0015575) | 713.1 (245.6, 1,401.8)     | 0.030547 (0.0105217, 0.0600461) |
| Maluku   | Cervical cancer                               | 55  |                            |                                 | 343.0 (77.3, 973.9)        | 0.014692 (0.0033093, 0.0417157) |
| Maluku   | Other malignant neoplasms                     | 55  | 605.7 (287.9, 1,138.4)     | 0.024624 (0.0117064, 0.0462809) | 486.8 (171.0, 972.5)       | 0.020850 (0.0073268, 0.0416584) |
| Maluku   | Cerebrovascular disease                       | 55  | 2,077.1 (1,346.2, 2,988.4) | 0.084443 (0.0547293, 0.1214900) | 2,655.4 (1,765.7, 3,641.9) | 0.113744 (0.0756341, 0.1559996) |
| Maluku   | Ischemic heart disease                        | 55  | 1,922.5 (1,211.6, 2,871.4) | 0.078156 (0.0492587, 0.1167363) | 1,550.1 (925.5, 2,373.5)   | 0.066400 (0.0396428, 0.1016693) |
| Maluku   | Other cardiovascular and circulatory diseases | 55  | 729.4 (315.2, 1,432.0)     | 0.029654 (0.0128129, 0.0582190) | 995.7 (449.0, 1,847.9)     | 0.042652 (0.0192348, 0.0791523) |
| Maluku   | Diabetes mellitus                             | 55  | 926.7 (545.9, 1,484.3)     | 0.037673 (0.0221921, 0.0603413) | 1,747.2 (1,058.6, 2,652.1) | 0.074840 (0.0453444, 0.1136032) |
| Maluku   | Chronic kidney disease                        | 55  | 397.2 (215.0, 632.5)       | 0.016148 (0.0087423, 0.0257137) | 481.5 (260.5, 800.8)       | 0.020625 (0.0111569, 0.0343027) |
| Maluku   | Cirrhosis                                     | 55  | 635.9 (349.2, 1,054.4)     | 0.025851 (0.0141959, 0.0428657) | 459.2 (241.2, 758.7)       | 0.019668 (0.0103302, 0.0324978) |
| Maluku   | Chronic respiratory diseases                  | 55  | 908.5 (457.3, 1,594.8)     | 0.036935 (0.0185896, 0.0648350) | 806.4 (386.3, 1,390.6)     | 0.034543 (0.0165472, 0.0595664) |
| Maluku   | Other non-communicable diseases               | 55  | 980.5 (606.8, 1,469.2)     | 0.039861 (0.0246705, 0.0597313) | 1,255.1 (786.2, 1,863.9)   | 0.053763 (0.0336766, 0.0798394) |
| Maluku   | Drowning                                      | 55  | 19.7 (4.1, 60.9)           | 0.000802 (0.0001685, 0.0024751) | 10.6 (2.0, 32.4)           | 0.000455 (0.0000848, 0.0013893) |
| Maluku   | Falls                                         | 55  | 110.6 (35.0, 237.2)        | 0.004497 (0.0014239, 0.0096435) | 71.7 (23.5, 160.0)         | 0.003073 (0.0010062, 0.0068530) |
| Maluku   | Interpersonal violence                        | 55  | 21.2 (6.5, 45.9)           | 0.000861 (0.0002651, 0.0018646) | 16.2 (5.4, 36.1)           | 0.000694 (0.0002315, 0.0015483) |
| Maluku   | Self-harm                                     | 55  | 56.1 (18.7, 122.7)         | 0.002280 (0.0007619, 0.0049875) | 34.7 (11.0, 79.0)          | 0.001488 (0.0004705, 0.0033858) |
| Maluku   | Transport injuries                            | 55  | 168.6 (63.9, 333.9)        | 0.006853 (0.0025964, 0.0135756) | 74.3 (25.6, 163.2)         | 0.003182 (0.0010973, 0.0069914) |
| Maluku   | Other unintentional injuries                  | 55  | 101.4 (39.8, 202.6)        | 0.004123 (0.0016177, 0.0082361) | 51.9 (19.4, 106.9)         | 0.002225 (0.0008310, 0.0045796) |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Diarrheal diseases                            | 60  | 218.9 (72.7, 448.2)        | 0.012210 (0.0040557, 0.0250020) | 365.9 (144.7, 700.6)       | 0.020736 (0.0081992, 0.0397081) |
| Maluku   | HIV/AIDS                                      | 60  | 7.2 (0.9, 26.4)            | 0.000401 (0.0000516, 0.0014717) | 9.0 (1.1, 34.4)            | 0.000509 (0.0000643, 0.0019501) |
| Maluku   | Lower respiratory infections                  | 60  | 253.6 (77.8, 583.8)        | 0.014148 (0.0043404, 0.0325649) | 303.9 (90.7, 694.3)        | 0.017223 (0.0051384, 0.0393500) |
| Maluku   | Malaria                                       | 60  | 107.2 (6.9, 360.6)         | 0.005979 (0.0003853, 0.0201116) | 106.4 (6.4, 385.4)         | 0.006028 (0.0003627, 0.0218419) |
| Maluku   | Tuberculosis                                  | 60  | 1,841.2 (1,153.1, 2,685.2) | 0.102701 (0.0643210, 0.1497788) | 1,720.5 (1,006.8, 2,539.7) | 0.097507 (0.0570613, 0.1439376) |
| Maluku   | Other communicable diseases                   | 60  | 170.1 (57.1, 371.9)        | 0.009488 (0.0031828, 0.0207456) | 211.2 (81.5, 446.1)        | 0.011971 (0.0046180, 0.0252832) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 60  | 62.3 (15.2, 168.4)         | 0.003476 (0.0008477, 0.0093923) | 24.7 (6.1, 73.6)           | 0.001400 (0.0003443, 0.0041704) |
| Maluku   | Breast cancer                                 | 60  | 12.3 (2.8, 36.5)           | 0.000685 (0.0001538, 0.0020377) | 499.9 (166.5, 991.9)       | 0.028329 (0.0094381, 0.0562135) |
| Maluku   | Cervical cancer                               | 60  |                            |                                 | 241.5 (51.4, 708.6)        | 0.013687 (0.0029134, 0.0401618) |
| Maluku   | Other malignant neoplasms                     | 60  | 541.7 (245.3, 1,006.6)     | 0.030217 (0.0136836, 0.0561481) | 470.9 (168.8, 915.6)       | 0.026690 (0.0095645, 0.0518932) |
| Maluku   | Cerebrovascular disease                       | 60  | 2,183.7 (1,440.9, 3,099.7) | 0.121804 (0.0803711, 0.1728984) | 2,728.5 (1,892.9, 3,698.5) | 0.154640 (0.1072780, 0.2096111) |
| Maluku   | Ischemic heart disease                        | 60  | 1,807.5 (1,154.2, 2,711.4) | 0.100823 (0.0643835, 0.1512437) | 1,478.3 (881.0, 2,259.2)   | 0.083785 (0.0499310, 0.1280402) |
| Maluku   | Other cardiovascular and circulatory diseases | 60  | 778.1 (336.8, 1,547.4)     | 0.043400 (0.0187890, 0.0863158) | 997.9 (442.8, 1,849.4)     | 0.056558 (0.0250976, 0.1048179) |
| Maluku   | Diabetes mellitus                             | 60  | 796.2 (465.5, 1,281.2)     | 0.044413 (0.0259629, 0.0714662) | 1,453.5 (866.3, 2,216.9)   | 0.082378 (0.0490958, 0.1256461) |
| Maluku   | Chronic kidney disease                        | 60  | 353.2 (190.7, 565.0)       | 0.019699 (0.0106347, 0.0315135) | 408.1 (220.6, 673.0)       | 0.023131 (0.0125052, 0.0381440) |
| Maluku   | Cirrhosis                                     | 60  | 522.2 (286.9, 872.3)       | 0.029126 (0.0160033, 0.0486540) | 368.5 (191.0, 606.9)       | 0.020883 (0.0108253, 0.0343961) |
| Maluku   | Chronic respiratory diseases                  | 60  | 1,227.1 (652.3, 2,041.4)   | 0.068448 (0.0363856, 0.1138686) | 1,010.0 (512.0, 1,668.0)   | 0.057245 (0.0290190, 0.0945351) |
| Maluku   | Other non-communicable diseases               | 60  | 1,058.3 (657.3, 1,578.5)   | 0.059033 (0.0366621, 0.0880479) | 1,299.6 (843.0, 1,894.9)   | 0.073656 (0.0477753, 0.1073951) |
| Maluku   | Drowning                                      | 60  | 13.6 (2.8, 39.0)           | 0.000761 (0.0001544, 0.0021738) | 7.5 (1.4, 22.5)            | 0.000428 (0.0000767, 0.0012746) |
| Maluku   | Falls                                         | 60  | 86.6 (28.3, 179.3)         | 0.004828 (0.0015802, 0.0100022) | 56.3 (19.8, 117.0)         | 0.003191 (0.0011250, 0.0066297) |
| Maluku   | Interpersonal violence                        | 60  | 14.1 (4.1, 30.9)           | 0.000785 (0.0002284, 0.0017245) | 10.1 (3.2, 22.3)           | 0.000573 (0.0001826, 0.0012632) |
| Maluku   | Self-harm                                     | 60  | 42.6 (13.4, 100.8)         | 0.002378 (0.0007464, 0.0056210) | 24.6 (7.3, 57.0)           | 0.001392 (0.0004164, 0.0032328) |
| Maluku   | Transport injuries                            | 60  | 131.8 (52.4, 273.5)        | 0.007352 (0.0029205, 0.0152556) | 57.3 (20.8, 120.4)         | 0.003248 (0.0011813, 0.0068236) |
| Maluku   | Other unintentional injuries                  | 60  | 77.9 (29.8, 158.1)         | 0.004344 (0.0016632, 0.0088196) | 38.6 (13.9, 80.4)          | 0.002190 (0.0007876, 0.0045579) |
| Maluku   | Diarrheal diseases                            | 65  | 267.2 (103.3, 534.2)       | 0.022410 (0.0086646, 0.0447989) | 439.8 (198.3, 810.3)       | 0.037689 (0.0169969, 0.0694399) |
| Maluku   | HIV/AIDS                                      | 65  | 5.4 (0.7, 19.2)            | 0.000449 (0.0000558, 0.0016089) | 6.8 (1.0, 24.6)            | 0.000582 (0.0000814, 0.0021076) |
| Maluku   | Lower respiratory infections                  | 65  | 224.2 (70.0, 504.7)        | 0.018804 (0.0058669, 0.0423258) | 278.7 (85.2, 621.1)        | 0.023880 (0.0072986, 0.0532241) |
| Maluku   | Malaria                                       | 65  | 86.4 (5.7, 316.7)          | 0.007243 (0.0004815, 0.0265537) | 83.4 (4.8, 317.9)          | 0.007145 (0.0004149, 0.0272399) |
| Maluku   | Tuberculosis                                  | 65  | 1,477.9 (905.3, 2,172.2)   | 0.123928 (0.0759152, 0.1821515) | 1,411.8 (825.2, 2,049.5)   | 0.120983 (0.0707168, 0.1756277) |
| Maluku   | Other communicable diseases                   | 65  | 123.8 (43.6, 283.2)        | 0.010383 (0.0036532, 0.0237517) | 152.9 (60.0, 331.3)        | 0.013099 (0.0051444, 0.0283895) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 65  | 48.3 (11.9, 143.4)         | 0.004050 (0.0009944, 0.0120270) | 15.0 (3.5, 43.2)           | 0.001287 (0.0002981, 0.0037006) |
| Maluku   | Breast cancer                                 | 65  | 6.7 (1.4, 20.8)            | 0.000563 (0.0001153, 0.0017425) | 288.4 (90.6, 585.3)        | 0.024712 (0.0077619, 0.0501537) |
| Maluku   | Cervical cancer                               | 65  |                            |                                 | 128.7 (25.0, 422.8)        | 0.011025 (0.0021388, 0.0362325) |
| Maluku   | Other malignant neoplasms                     | 65  | 334.8 (153.6, 636.2)       | 0.028071 (0.0128784, 0.0533511) | 364.4 (128.9, 689.4)       | 0.031228 (0.0110425, 0.0590803) |
| Maluku   | Cerebrovascular disease                       | 65  | 1,761.6 (1,152.4, 2,504.3) | 0.147718 (0.0966382, 0.2099971) | 2,316.5 (1,599.0, 3,125.7) | 0.198503 (0.1370244, 0.2678508) |
| Maluku   | Ischemic heart disease                        | 65  | 1,354.0 (825.2, 2,044.7)   | 0.113543 (0.0691973, 0.1714577) | 1,168.4 (696.6, 1,772.1)   | 0.100124 (0.0596921, 0.1518582) |
| Maluku   | Other cardiovascular and circulatory diseases | 65  | 665.0 (294.2, 1,317.5)     | 0.055765 (0.0246700, 0.1104800) | 889.3 (399.6, 1,638.0)     | 0.076210 (0.0342464, 0.1403654) |
| Maluku   | Diabetes mellitus                             | 65  | 495.3 (284.6, 819.9)       | 0.041531 (0.0238639, 0.0687507) | 961.2 (565.6, 1,494.3)     | 0.082372 (0.0484662, 0.1280481) |
| Maluku   | Chronic kidney disease                        | 65  | 256.9 (136.3, 417.4)       | 0.021544 (0.0114319, 0.0350034) | 311.5 (169.6, 522.9)       | 0.026698 (0.0145353, 0.0448130) |
| Maluku   | Cirrhosis                                     | 65  | 315.3 (169.0, 529.3)       | 0.026443 (0.0141682, 0.0443878) | 235.8 (121.0, 395.0)       | 0.020208 (0.0103686, 0.0338514) |
| Maluku   | Chronic respiratory diseases                  | 65  | 1,051.6 (569.9, 1,698.9)   | 0.088184 (0.0477902, 0.1424589) | 911.5 (481.6, 1,487.1)     | 0.078112 (0.0412728, 0.1274372) |
| Maluku   | Other non-communicable diseases               | 65  | 917.4 (562.2, 1,370.0)     | 0.076931 (0.0471465, 0.1148787) | 1,179.4 (769.4, 1,684.9)   | 0.101070 (0.0659281, 0.1443814) |
| Maluku   | Drowning                                      | 65  | 8.1 (1.4, 25.9)            | 0.000683 (0.0001208, 0.0021732) | 4.8 (0.8, 15.0)            | 0.000408 (0.0000718, 0.0012886) |
| Maluku   | Falls                                         | 65  | 66.1 (20.6, 145.5)         | 0.005539 (0.0017273, 0.0121998) | 45.0 (15.2, 94.7)          | 0.003852 (0.0013011, 0.0081159) |
| Maluku   | Interpersonal violence                        | 65  | 8.2 (2.0, 20.4)            | 0.000689 (0.0001718, 0.0017104) | 6.0 (1.8, 14.0)            | 0.000513 (0.0001530, 0.0012035) |
| Maluku   | Self-harm                                     | 65  | 28.6 (9.0, 69.2)           | 0.002400 (0.0007507, 0.0058002) | 16.7 (5.0, 41.0)           | 0.001428 (0.0004257, 0.0035148) |
| Maluku   | Transport injuries                            | 65  | 81.1 (29.0, 175.7)         | 0.006797 (0.0024309, 0.0147330) | 36.6 (12.2, 77.9)          | 0.003134 (0.0010453, 0.0066782) |
| Maluku   | Other unintentional injuries                  | 65  | 52.6 (19.0, 108.2)         | 0.004408 (0.0015930, 0.0090748) | 26.9 (9.1, 57.6)           | 0.002301 (0.0007817, 0.0049319) |
| Maluku   | Diarrheal diseases                            | 70  | 365.6 (163.3, 699.3)       | 0.039805 (0.0177747, 0.0761248) | 585.2 (280.8, 1,050.3)     | 0.060288 (0.0289272, 0.1082004) |
| Maluku   | HIV/AIDS                                      | 70  | 6.9 (0.9, 24.0)            | 0.000753 (0.0000967, 0.0026074) | 9.2 (1.2, 33.0)            | 0.000943 (0.0001283, 0.0034010) |
| Maluku   | Lower respiratory infections                  | 70  | 277.1 (86.3, 601.6)        | 0.030165 (0.0093937, 0.0654954) | 356.4 (110.4, 812.1)       | 0.036714 (0.0113733, 0.0836645) |
| Maluku   | Malaria                                       | 70  | 80.8 (4.7, 319.5)          | 0.008796 (0.0005142, 0.0347865) | 78.9 (4.2, 312.8)          | 0.008124 (0.0004305, 0.0322226) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males                      |                                 | Females                    |                                 |
|----------|-----------------------------------------------|-----|----------------------------|---------------------------------|----------------------------|---------------------------------|
|          |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku   | Tuberculosis                                  | 70  | 1,467.3 (890.1, 2,135.3)   | 0.159737 (0.0968967, 0.2324543) | 1,537.1 (897.3, 2,284.6)   | 0.158348 (0.0924354, 0.2353528) |
| Maluku   | Other communicable diseases                   | 70  | 127.4 (46.0, 283.3)        | 0.013872 (0.0050045, 0.0308366) | 151.5 (56.4, 326.9)        | 0.015603 (0.0058092, 0.0336796) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 70  | 32.9 (8.1, 96.9)           | 0.003581 (0.0008783, 0.0105534) | 13.0 (3.0, 39.1)           | 0.001336 (0.0003052, 0.0040323) |
| Maluku   | Breast cancer                                 | 70  | 4.5 (0.8, 14.6)            | 0.000490 (0.0000895, 0.0015906) | 192.1 (59.3, 402.2)        | 0.019787 (0.0061065, 0.0414330) |
| Maluku   | Cervical cancer                               | 70  |                            |                                 | 75.0 (12.6, 261.6)         | 0.007728 (0.0013021, 0.0269508) |
| Maluku   | Other malignant neoplasms                     | 70  | 241.9 (110.8, 472.3)       | 0.026335 (0.0120628, 0.0514220) | 311.0 (121.1, 608.6)       | 0.032039 (0.0124754, 0.0626993) |
| Maluku   | Cerebrovascular disease                       | 70  | 1,688.5 (1,091.6, 2,393.3) | 0.183820 (0.1188387, 0.2605404) | 2,451.7 (1,718.5, 3,280.0) | 0.252577 (0.1770340, 0.3378995) |
| Maluku   | Ischemic heart disease                        | 70  | 1,212.3 (742.3, 1,852.0)   | 0.131977 (0.0808051, 0.2016223) | 1,235.7 (744.1, 1,863.4)   | 0.127304 (0.0766595, 0.1919704) |
| Maluku   | Other cardiovascular and circulatory diseases | 70  | 680.6 (308.5, 1,312.0)     | 0.074093 (0.0335885, 0.1428344) | 992.1 (456.7, 1,782.8)     | 0.102203 (0.0470486, 0.1836608) |
| Maluku   | Diabetes mellitus                             | 70  | 344.9 (193.1, 566.8)       | 0.037545 (0.0210260, 0.0617008) | 755.9 (433.0, 1,202.7)     | 0.077868 (0.0446036, 0.1238969) |
| Maluku   | Chronic kidney disease                        | 70  | 209.6 (112.0, 340.2)       | 0.022815 (0.0121955, 0.0370356) | 287.1 (155.1, 475.0)       | 0.029578 (0.0159757, 0.0489371) |
| Maluku   | Cirrhosis                                     | 70  | 248.8 (131.0, 418.2)       | 0.027091 (0.0142653, 0.0455226) | 201.9 (103.1, 337.5)       | 0.020803 (0.0106200, 0.0347643) |
| Maluku   | Chronic respiratory diseases                  | 70  | 1,213.1 (683.9, 1,899.2)   | 0.132064 (0.0744548, 0.2067578) | 1,134.4 (614.1, 1,767.0)   | 0.116860 (0.0632621, 0.1820338) |
| Maluku   | Other non-communicable diseases               | 70  | 947.1 (587.5, 1,396.7)     | 0.103100 (0.0639534, 0.1520547) | 1,335.1 (872.5, 1,885.1)   | 0.137545 (0.0898835, 0.1942053) |
| Maluku   | Drowning                                      | 70  | 12.3 (2.5, 38.5)           | 0.001341 (0.0002773, 0.0041900) | 7.0 (1.4, 22.0)            | 0.000723 (0.0001441, 0.0022629) |
| Maluku   | Falls                                         | 70  | 66.9 (21.0, 143.1)         | 0.007279 (0.0022851, 0.0155823) | 45.8 (15.8, 93.5)          | 0.004713 (0.0016261, 0.0096365) |
| Maluku   | Interpersonal violence                        | 70  | 5.4 (1.3, 13.3)            | 0.000590 (0.0001411, 0.0014520) | 4.3 (1.1, 10.3)            | 0.000448 (0.0001134, 0.0010567) |
| Maluku   | Self-harm                                     | 70  | 22.3 (6.6, 54.2)           | 0.002423 (0.0007205, 0.0058984) | 14.4 (4.1, 36.9)           | 0.001487 (0.0004207, 0.0038045) |
| Maluku   | Transport injuries                            | 70  | 70.5 (23.9, 151.2)         | 0.007671 (0.0026034, 0.0164561) | 32.7 (10.7, 73.0)          | 0.003367 (0.0010988, 0.0075189) |
| Maluku   | Other unintentional injuries                  | 70  | 46.7 (17.7, 94.4)          | 0.005088 (0.0019288, 0.0102717) | 25.2 (8.9, 52.9)           | 0.002597 (0.0009195, 0.0054547) |
| Maluku   | Diarrheal diseases                            | 75  | 247.6 (107.8, 461.1)       | 0.050447 (0.0219581, 0.0939632) | 551.1 (276.6, 950.2)       | 0.083762 (0.0420466, 0.1444212) |
| Maluku   | HIV/AIDS                                      | 75  | 3.3 (0.4, 12.7)            | 0.000666 (0.0000769, 0.0025826) | 5.8 (0.7, 21.4)            | 0.000882 (0.0001102, 0.0032579) |
| Maluku   | Lower respiratory infections                  | 75  | 169.1 (55.0, 374.5)        | 0.034454 (0.0112113, 0.0763123) | 307.2 (99.3, 685.1)        | 0.046695 (0.0150914, 0.1041313) |
| Maluku   | Malaria                                       | 75  | 49.6 (2.9, 194.6)          | 0.010104 (0.0005830, 0.0396528) | 63.8 (3.3, 260.4)          | 0.009691 (0.0005068, 0.0395767) |
| Maluku   | Tuberculosis                                  | 75  | 780.8 (450.7, 1,179.5)     | 0.159111 (0.0918505, 0.2403506) | 1,078.6 (607.7, 1,648.0)   | 0.163928 (0.0923549, 0.2504761) |
| Maluku   | Other communicable diseases                   | 75  | 69.1 (24.3, 161.1)         | 0.014083 (0.0049561, 0.0328180) | 116.7 (45.3, 253.0)        | 0.017741 (0.0068914, 0.0384512) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 75  | 15.4 (3.6, 46.6)           | 0.003145 (0.0007356, 0.0095015) | 7.9 (1.8, 23.9)            | 0.001197 (0.0002664, 0.0036313) |
| Maluku   | Breast cancer                                 | 75  | 1.8 (0.3, 6.2)             | 0.000360 (0.0000563, 0.0012665) | 99.0 (27.3, 216.8)         | 0.015040 (0.0041514, 0.0329433) |
| Maluku   | Cervical cancer                               | 75  |                            |                                 | 35.5 (5.5, 130.9)          | 0.005395 (0.0008354, 0.0198932) |
| Maluku   | Other malignant neoplasms                     | 75  | 108.3 (48.5, 210.3)        | 0.022071 (0.0098776, 0.0428543) | 210.9 (86.8, 410.9)        | 0.032051 (0.0131990, 0.0624497) |
| Maluku   | Cerebrovascular disease                       | 75  | 962.7 (614.2, 1,391.2)     | 0.196171 (0.1251498, 0.2834862) | 1,951.7 (1,371.8, 2,614.4) | 0.296635 (0.2084927, 0.3973464) |
| Maluku   | Ischemic heart disease                        | 75  | 761.7 (458.9, 1,169.2)     | 0.155214 (0.0935169, 0.2382609) | 1,068.2 (653.9, 1,557.3)   | 0.162358 (0.0993800, 0.2366876) |
| Maluku   | Other cardiovascular and circulatory diseases | 75  | 405.6 (180.7, 796.4)       | 0.082653 (0.0368273, 0.1622795) | 805.0 (370.2, 1,420.5)     | 0.122344 (0.0562635, 0.2158976) |
| Maluku   | Diabetes mellitus                             | 75  | 168.4 (92.4, 282.4)        | 0.034317 (0.0188294, 0.0575550) | 503.2 (289.6, 791.9)       | 0.076474 (0.0440215, 0.1203530) |
| Maluku   | Chronic kidney disease                        | 75  | 110.7 (57.8, 180.4)        | 0.022557 (0.0117708, 0.0367675) | 202.6 (110.1, 331.6)       | 0.030791 (0.0167272, 0.0504040) |
| Maluku   | Cirrhosis                                     | 75  | 123.8 (63.1, 215.0)        | 0.025219 (0.0128590, 0.0438111) | 140.9 (72.3, 234.6)        | 0.021408 (0.0109865, 0.0356588) |
| Maluku   | Chronic respiratory diseases                  | 75  | 708.0 (389.6, 1,138.5)     | 0.144263 (0.0793906, 0.2319886) | 890.5 (482.2, 1,380.0)     | 0.135341 (0.0732858, 0.2097423) |
| Maluku   | Other non-communicable diseases               | 75  | 622.4 (377.2, 927.7)       | 0.126832 (0.0768597, 0.1890403) | 1,207.9 (818.6, 1,683.9)   | 0.183582 (0.1244098, 0.2559270) |
| Maluku   | Drowning                                      | 75  | 8.9 (1.8, 27.3)            | 0.001804 (0.0003578, 0.0055597) | 7.5 (1.5, 22.5)            | 0.001147 (0.0002329, 0.0034236) |
| Maluku   | Falls                                         | 75  | 42.3 (13.7, 92.0)          | 0.008625 (0.0027894, 0.0187574) | 41.8 (15.2, 85.9)          | 0.006352 (0.0023079, 0.0130526) |
| Maluku   | Interpersonal violence                        | 75  | 2.4 (0.4, 7.2)             | 0.000494 (0.0000883, 0.0014753) | 2.5 (0.5, 7.0)             | 0.000378 (0.0000751, 0.0010686) |
| Maluku   | Self-harm                                     | 75  | 12.2 (3.3, 30.4)           | 0.002485 (0.0006782, 0.0062040) | 10.0 (2.8, 25.5)           | 0.001518 (0.0004208, 0.0038745) |
| Maluku   | Transport injuries                            | 75  | 28.4 (9.3, 64.5)           | 0.005795 (0.0018895, 0.0131382) | 18.5 (5.6, 41.6)           | 0.002806 (0.0008490, 0.0063259) |
| Maluku   | Other unintentional injuries                  | 75  | 24.8 (8.9, 54.7)           | 0.005051 (0.0018225, 0.0111560) | 18.2 (6.2, 39.6)           | 0.002760 (0.0009416, 0.0060143) |
| Maluku   | Diarrheal diseases                            | 80  | 515.4 (273.9, 862.1)       | 0.128635 (0.0683581, 0.2151394) | 936.3 (522.5, 1,505.1)     | 0.178753 (0.0997605, 0.2873423) |
| Maluku   | HIV/AIDS                                      | 80  | 4.0 (0.4, 16.4)            | 0.001007 (0.0001034, 0.0040833) | 6.7 (0.7, 26.1)            | 0.001278 (0.0001251, 0.0049750) |
| Maluku   | Lower respiratory infections                  | 80  | 254.3 (86.0, 545.8)        | 0.063467 (0.0214504, 0.1362100) | 397.1 (136.9, 852.4)       | 0.075819 (0.0261370, 0.1627392) |
| Maluku   | Malaria                                       | 80  | 63.7 (3.1, 266.2)          | 0.015887 (0.0007717, 0.0664419) | 78.0 (3.7, 329.7)          | 0.014887 (0.0007085, 0.0629385) |
| Maluku   | Tuberculosis                                  | 80  | 834.5 (488.2, 1,241.7)     | 0.208253 (0.1218248, 0.3098865) | 1,184.6 (664.2, 1,829.2)   | 0.226150 (0.1267982, 0.3492157) |
| Maluku   | Other communicable diseases                   | 80  | 103.7 (40.9, 224.6)        | 0.025888 (0.0102158, 0.0560566) | 137.2 (55.0, 303.2)        | 0.026201 (0.0105008, 0.0578775) |
| Maluku   | Tracheal, bronchus, and lung cancer           | 80  | 12.5 (3.1, 37.9)           | 0.003125 (0.0007694, 0.0094638) | 6.9 (1.5, 22.4)            | 0.001326 (0.0002824, 0.0042786) |
| Maluku   | Breast cancer                                 | 80  | 1.3 (0.2, 4.6)             | 0.000323 (0.0000462, 0.0011565) | 71.9 (18.7, 175.1)         | 0.013722 (0.0035659, 0.0334267) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                         |                                 | Females                       |                                 |
|--------------|----------------------------------------------------------|-----|-------------------------------|---------------------------------|-------------------------------|---------------------------------|
|              |                                                          |     | YLLs (95% UI)                 | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Maluku       | Cervical cancer                                          | 80  |                               |                                 | 22.1 (2.9, 85.6)              | 0.004213 (0.0005512, 0.0163480) |
| Maluku       | Other malignant neoplasms                                | 80  | 92.2 (40.3, 178.6)            | 0.023022 (0.0100513, 0.0445826) | 181.8 (73.2, 367.7)           | 0.034705 (0.0139724, 0.0702034) |
| Maluku       | Cerebrovascular disease                                  | 80  | 1,059.7 (720.2, 1,445.4)      | 0.264455 (0.1797433, 0.3607090) | 2,088.1 (1,500.6, 2,751.8)    | 0.398653 (0.2864921, 0.5253542) |
| Maluku       | Ischemic heart disease                                   | 80  | 730.5 (453.4, 1,088.0)        | 0.182309 (0.1131441, 0.2715331) | 1,112.8 (679.0, 1,656.8)      | 0.212444 (0.1296202, 0.3162946) |
| Maluku       | Other cardiovascular and circulatory diseases            | 80  | 405.4 (184.2, 793.5)          | 0.101172 (0.0459635, 0.1980216) | 800.7 (356.0, 1,454.7)        | 0.152864 (0.0679605, 0.2777166) |
| Maluku       | Diabetes mellitus                                        | 80  | 140.9 (82.0, 231.7)           | 0.035156 (0.0204688, 0.0578334) | 434.0 (251.4, 716.4)          | 0.082859 (0.0480021, 0.1367650) |
| Maluku       | Chronic kidney disease                                   | 80  | 93.1 (50.1, 151.1)            | 0.023239 (0.0125143, 0.0377039) | 182.0 (98.2, 298.6)           | 0.034751 (0.0187392, 0.0570090) |
| Maluku       | Cirrhosis                                                | 80  | 117.2 (62.7, 195.7)           | 0.029237 (0.0156370, 0.0488326) | 124.9 (64.6, 207.6)           | 0.023852 (0.0123311, 0.0396265) |
| Maluku       | Chronic respiratory diseases                             | 80  | 768.6 (443.4, 1,172.2)        | 0.191810 (0.1106673, 0.2925447) | 945.6 (517.2, 1,474.2)        | 0.180527 (0.0987406, 0.2814495) |
| Maluku       | Other non-communicable diseases                          | 80  | 741.2 (487.8, 1,049.4)        | 0.184969 (0.1217446, 0.2618828) | 1,410.1 (967.7, 1,929.8)      | 0.269207 (0.1847491, 0.3684140) |
| Maluku       | Drowning                                                 | 80  | 11.2 (2.2, 33.3)              | 0.002798 (0.0005369, 0.0083021) | 6.9 (1.2, 21.4)               | 0.001308 (0.0002342, 0.0040874) |
| Maluku       | Falls                                                    | 80  | 66.5 (24.0, 133.9)            | 0.016606 (0.0060014, 0.0334089) | 51.5 (19.8, 103.2)            | 0.009833 (0.0037732, 0.0196978) |
| Maluku       | Interpersonal violence                                   | 80  | 1.8 (0.2, 5.7)                | 0.000456 (0.0000522, 0.0014302) | 2.0 (0.3, 6.3)                | 0.000381 (0.0000488, 0.0012119) |
| Maluku       | Self-harm                                                | 80  | 10.7 (2.8, 27.7)              | 0.002675 (0.0006995, 0.0069147) | 9.7 (2.6, 26.8)               | 0.001858 (0.0004877, 0.0051234) |
| Maluku       | Transport injuries                                       | 80  | 28.3 (8.2, 67.8)              | 0.007063 (0.0020497, 0.0169213) | 15.5 (4.3, 37.0)              | 0.002964 (0.0008146, 0.0070697) |
| Maluku       | Other unintentional injuries                             | 80  | 25.2 (8.5, 54.8)              | 0.006277 (0.0021268, 0.0136659) | 17.0 (5.1, 39.2)              | 0.003241 (0.0009814, 0.0074777) |
| Maluku       | Diarrheal diseases                                       | All | 7,586.9 (3,903.8, 13,157.7)   | 0.009024 (0.0046433, 0.0156501) | 9,721.3 (5,071.9, 15,750.4)   | 0.011923 (0.0062206, 0.0193178) |
| Maluku       | HIV/AIDS                                                 | All | 2,157.4 (447.6, 5,993.7)      | 0.002566 (0.0005323, 0.0071291) | 2,023.6 (426.2, 5,655.3)      | 0.002482 (0.0005227, 0.0069362) |
| Maluku       | Lower respiratory infections                             | All | 9,944.6 (4,870.7, 17,115.0)   | 0.011828 (0.0057933, 0.0203570) | 7,947.8 (3,638.7, 14,379.6)   | 0.009748 (0.0044629, 0.0176364) |
| Maluku       | Malaria                                                  | All | 2,760.5 (185.2, 9,436.7)      | 0.003283 (0.0002203, 0.0112242) | 2,556.4 (161.8, 8,926.5)      | 0.003135 (0.0001984, 0.0109483) |
| Maluku       | Tuberculosis                                             | All | 27,514.8 (17,199.0, 39,180.8) | 0.032727 (0.0204569, 0.0466027) | 24,373.3 (14,982.1, 35,901.7) | 0.029894 (0.0183754, 0.0440331) |
| Maluku       | Maternal disorders                                       | All |                               |                                 | 2,014.3 (935.6, 3,754.5)      | 0.002471 (0.0011475, 0.0046049) |
| Maluku       | Neonatal encephalopathy due to birth asphyxia and trauma | All | 6,144.2 (2,772.5, 10,923.0)   | 0.007308 (0.0032976, 0.0129920) | 3,781.3 (1,696.1, 6,832.6)    | 0.004638 (0.0020803, 0.0083801) |
| Maluku       | Preterm birth complications                              | All | 1,731.7 (490.4, 3,848.7)      | 0.002060 (0.0005832, 0.0045777) | 1,401.2 (452.9, 3,216.5)      | 0.001719 (0.0005554, 0.0039450) |
| Maluku       | Other neonatal disorders                                 | All | 4,375.2 (951.7, 9,041.8)      | 0.005204 (0.0011320, 0.0107545) | 2,615.8 (517.4, 5,825.9)      | 0.003208 (0.0006346, 0.0071454) |
| Maluku       | Other communicable diseases                              | All | 13,000.5 (7,479.9, 20,371.4)  | 0.015463 (0.0088968, 0.0242302) | 10,798.4 (6,086.7, 17,159.2)  | 0.013244 (0.0074653, 0.0210456) |
| Maluku       | Tracheal, bronchus, and lung cancer                      | All | 576.5 (143.4, 1,644.0)        | 0.000686 (0.0001706, 0.0019554) | 299.9 (67.0, 894.2)           | 0.000368 (0.0000822, 0.0010968) |
| Maluku       | Breast cancer                                            | All | 108.0 (26.9, 293.1)           | 0.000129 (0.0000320, 0.0003486) | 7,736.8 (2,891.2, 14,341.4)   | 0.009489 (0.0035460, 0.0175895) |
| Maluku       | Cervical cancer                                          | All |                               |                                 | 3,991.2 (1,000.7, 10,680.4)   | 0.004895 (0.0012274, 0.0130994) |
| Maluku       | Other malignant neoplasms                                | All | 8,218.3 (4,119.5, 14,710.7)   | 0.009775 (0.0048998, 0.0174973) | 8,135.7 (3,485.3, 14,445.4)   | 0.009978 (0.0042747, 0.0177171) |
| Maluku       | Cerebrovascular disease                                  | All | 16,153.7 (10,540.9, 23,249.9) | 0.019214 (0.0125376, 0.0276540) | 22,216.2 (14,858.6, 30,513.7) | 0.027248 (0.0182239, 0.0374247) |
| Maluku       | Ischemic heart disease                                   | All | 15,503.5 (9,811.4, 23,196.5)  | 0.018440 (0.0116699, 0.0275905) | 13,372.8 (7,961.8, 20,188.1)  | 0.016402 (0.0097651, 0.0247605) |
| Maluku       | Other cardiovascular and circulatory diseases            | All | 6,544.1 (2,877.2, 13,226.5)   | 0.007784 (0.0034223, 0.0157319) | 9,366.6 (4,137.2, 17,401.1)   | 0.011488 (0.0050743, 0.0213423) |
| Maluku       | Diabetes mellitus                                        | All | 5,801.0 (3,398.3, 9,478.4)    | 0.006900 (0.0040420, 0.0112739) | 11,374.3 (6,655.8, 17,929.7)  | 0.013951 (0.0081633, 0.0219905) |
| Maluku       | Chronic kidney disease                                   | All | 4,531.8 (2,493.2, 7,251.0)    | 0.005390 (0.0029654, 0.0086245) | 5,673.6 (3,113.0, 9,441.7)    | 0.006959 (0.0038181, 0.0115802) |
| Maluku       | Cirrhosis                                                | All | 7,184.9 (3,958.9, 11,523.1)   | 0.008546 (0.0047088, 0.0137059) | 5,102.4 (2,607.0, 8,180.2)    | 0.006258 (0.0031975, 0.0100329) |
| Maluku       | Chronic respiratory diseases                             | All | 10,271.2 (5,419.8, 17,428.3)  | 0.012217 (0.0064464, 0.0207296) | 9,432.0 (4,786.2, 15,758.3)   | 0.011568 (0.0058702, 0.0193274) |
| Maluku       | Other non-communicable diseases                          | All | 16,581.4 (11,560.3, 23,552.0) | 0.019722 (0.0137501, 0.0280133) | 20,748.9 (14,187.1, 29,050.5) | 0.025448 (0.0174003, 0.0356301) |
| Maluku       | Drowning                                                 | All | 4,517.7 (1,870.8, 8,565.0)    | 0.005374 (0.0022252, 0.0101874) | 1,645.8 (569.2, 3,508.8)      | 0.002019 (0.0006981, 0.0043035) |
| Maluku       | Falls                                                    | All | 2,132.8 (743.3, 4,466.1)      | 0.002537 (0.0008841, 0.0053121) | 1,197.1 (407.7, 2,640.4)      | 0.001468 (0.0005001, 0.0032384) |
| Maluku       | Interpersonal violence                                   | All | 994.6 (434.6, 1,878.5)        | 0.001183 (0.0005169, 0.0022343) | 807.0 (311.5, 1,695.7)        | 0.000990 (0.0003820, 0.0020797) |
| Maluku       | Self-harm                                                | All | 1,584.8 (606.6, 3,129.8)      | 0.001885 (0.0007215, 0.0037227) | 1,118.6 (385.8, 2,408.2)      | 0.001372 (0.0004731, 0.0029536) |
| Maluku       | Transport injuries                                       | All | 11,028.3 (5,944.8, 17,733.5)  | 0.013117 (0.0070709, 0.0210927) | 4,524.5 (2,113.2, 8,104.1)    | 0.005549 (0.0025918, 0.0099395) |
| Maluku       | Other unintentional injuries                             | All | 4,105.8 (1,956.3, 7,574.2)    | 0.004884 (0.0023269, 0.0090089) | 1,935.8 (799.9, 3,688.6)      | 0.002374 (0.0009811, 0.0045240) |
| Maluku Utara | Diarrheal diseases                                       | NN  | 137.9 (44.9, 294.1)           | 0.140006 (0.0456253, 0.2986214) | 106.3 (34.8, 230.9)           | 0.100775 (0.0329867, 0.2189040) |
| Maluku Utara | Lower respiratory infections                             | NN  | 1,273.6 (555.3, 2,362.5)      | 1.293154 (0.5637757, 2.3987050) | 718.6 (304.7, 1,386.1)        | 0.681387 (0.2889404, 1.3142880) |
| Maluku Utara | Malaria                                                  | NN  | 26.0 (2.2, 115.0)             | 0.026450 (0.0021990, 0.1167841) | 14.6 (1.1, 67.2)              | 0.013831 (0.0010896, 0.0637438) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 3,164.2 (1,429.0, 5,416.0)    | 3.212755 (1.4508750, 5.4991121) | 1,996.8 (886.8, 3,591.1)      | 1.893360 (0.8408295, 3.4050109) |
| Maluku Utara | Preterm birth complications                              | NN  | 1,708.1 (642.6, 3,157.4)      | 1.734328 (0.6524326, 3.2058570) | 1,428.5 (616.7, 2,683.5)      | 1.354491 (0.5847340, 2.5444419) |
| Maluku Utara | Other neonatal disorders                                 | NN  | 2,091.4 (588.5, 4,149.6)      | 2.123503 (0.5975267, 4.2132378) | 1,277.3 (364.2, 2,827.1)      | 1.211108 (0.3453494, 2.6805780) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                    |                                 | Females                |                                 |
|--------------|----------------------------------------------------------|-----|--------------------------|---------------------------------|------------------------|---------------------------------|
|              |                                                          |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Maluku Utara | Other communicable diseases                              | NN  | 111.9 (33.4, 254.3)      | 0.113567 (0.0338746, 0.2582116) | 61.6 (18.8, 147.9)     | 0.058395 (0.0178607, 0.1402164) |
| Maluku Utara | Other malignant neoplasms                                | NN  | 68.1 (18.5, 169.8)       | 0.069182 (0.0187701, 0.1723540) | 47.8 (12.5, 130.7)     | 0.045295 (0.0118401, 0.1239665) |
| Maluku Utara | Cerebrovascular disease                                  | NN  | 13.2 (2.9, 39.1)         | 0.013413 (0.0029100, 0.0396509) | 12.3 (2.8, 36.1)       | 0.011671 (0.0026374, 0.0342717) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | NN  | 11.0 (1.6, 38.8)         | 0.011121 (0.0016703, 0.0393696) | 9.6 (1.5, 32.0)        | 0.009097 (0.0013911, 0.0303882) |
| Maluku Utara | Diabetes mellitus                                        | NN  | 3.9 (0.0, 34.3)          | 0.003928 (0.0000157, 0.0348279) | 4.0 (0.0, 34.2)        | 0.003818 (0.0000164, 0.0324166) |
| Maluku Utara | Other non-communicable diseases                          | NN  | 1,156.6 (542.9, 1,935.0) | 1.174348 (0.5511886, 1.9647030) | 937.9 (420.9, 1,667.3) | 0.889343 (0.3991144, 1.5809150) |
| Maluku Utara | Drowning                                                 | NN  | 134.0 (33.0, 356.9)      | 0.136051 (0.0335218, 0.3623749) | 31.0 (6.7, 90.6)       | 0.029371 (0.0063426, 0.0858634) |
| Maluku Utara | Falls                                                    | NN  | 61.5 (14.5, 170.8)       | 0.062447 (0.0147293, 0.1733986) | 19.0 (4.2, 55.2)       | 0.018059 (0.0039900, 0.0523401) |
| Maluku Utara | Interpersonal violence                                   | NN  | 36.2 (7.7, 100.4)        | 0.036748 (0.0077696, 0.1019556) | 17.8 (4.0, 51.2)       | 0.016861 (0.0037632, 0.0485001) |
| Maluku Utara | Transport injuries                                       | NN  | 87.9 (19.2, 245.6)       | 0.089217 (0.0194621, 0.2493330) | 19.8 (4.3, 58.4)       | 0.018766 (0.0040718, 0.0553971) |
| Maluku Utara | Other unintentional injuries                             | NN  | 214.3 (63.5, 512.6)      | 0.217609 (0.0644348, 0.5204451) | 61.8 (18.2, 152.4)     | 0.058572 (0.0172149, 0.1445488) |
| Maluku Utara | Diarrheal diseases                                       | PNN | 40.4 (16.6, 75.3)        | 0.003283 (0.0013530, 0.0061283) | 55.5 (23.1, 102.9)     | 0.004215 (0.0017522, 0.0078172) |
| Maluku Utara | HIV/AIDS                                                 | PNN | 2.4 (0.3, 8.6)           | 0.000193 (0.0000275, 0.0006991) | 2.3 (0.3, 8.1)         | 0.000176 (0.0000226, 0.0006180) |
| Maluku Utara | Lower respiratory infections                             | PNN | 27.9 (11.7, 50.7)        | 0.002272 (0.0009496, 0.0041215) | 27.2 (11.2, 54.6)      | 0.002067 (0.0008539, 0.0041447) |
| Maluku Utara | Malaria                                                  | PNN | 7.3 (0.7, 27.8)          | 0.000596 (0.0000580, 0.0022627) | 7.2 (0.8, 28.7)        | 0.000546 (0.0000597, 0.0021783) |
| Maluku Utara | Tuberculosis                                             | PNN | 6.7 (1.8, 15.0)          | 0.000547 (0.0001498, 0.0012176) | 6.7 (1.8, 15.9)        | 0.000510 (0.0001349, 0.0012048) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 2.7 (0.7, 7.2)           | 0.000221 (0.0000575, 0.0005828) | 2.8 (0.7, 7.4)         | 0.000212 (0.0000507, 0.0005611) |
| Maluku Utara | Preterm birth complications                              | PNN | 3.0 (0.9, 7.1)           | 0.000247 (0.0000713, 0.0005741) | 4.7 (1.4, 11.3)        | 0.000354 (0.0001034, 0.0008576) |
| Maluku Utara | Other neonatal disorders                                 | PNN | 7.1 (1.1, 20.9)          | 0.000579 (0.0000899, 0.0017012) | 7.3 (1.1, 23.0)        | 0.000553 (0.0000860, 0.0017504) |
| Maluku Utara | Other communicable diseases                              | PNN | 36.2 (13.8, 67.2)        | 0.002945 (0.0011205, 0.0054647) | 35.7 (14.2, 70.0)      | 0.002711 (0.0010757, 0.0053207) |
| Maluku Utara | Other malignant neoplasms                                | PNN | 1.0 (0.3, 2.4)           | 0.000082 (0.0000244, 0.0001985) | 1.2 (0.3, 2.9)         | 0.000092 (0.0000260, 0.0002226) |
| Maluku Utara | Cerebrovascular disease                                  | PNN | 0.2 (0.0, 0.6)           | 0.000016 (0.0000036, 0.0000454) | 0.3 (0.1, 0.9)         | 0.000024 (0.0000056, 0.0000657) |
| Maluku Utara | Ischemic heart disease                                   | PNN | 0.1 (0.0, 0.4)           | 0.000006 (0.0000003, 0.0000309) | 0.1 (0.0, 0.6)         | 0.000009 (0.0000005, 0.0000443) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | PNN | 0.2 (0.0, 0.5)           | 0.000013 (0.0000022, 0.0000444) | 0.2 (0.0, 0.8)         | 0.000018 (0.0000029, 0.0000617) |
| Maluku Utara | Diabetes mellitus                                        | PNN | 0.1 (0.0, 0.5)           | 0.000005 (0.0000000, 0.0000403) | 0.1 (0.0, 0.7)         | 0.000008 (0.0000000, 0.0000557) |
| Maluku Utara | Chronic kidney disease                                   | PNN | 1.5 (0.5, 3.4)           | 0.000119 (0.0000368, 0.0002775) | 1.7 (0.5, 4.4)         | 0.000131 (0.0000400, 0.0003369) |
| Maluku Utara | Other non-communicable diseases                          | PNN | 17.0 (7.9, 29.5)         | 0.001383 (0.0006448, 0.0023958) | 23.6 (10.5, 43.4)      | 0.001793 (0.0007988, 0.0032962) |
| Maluku Utara | Drowning                                                 | PNN | 2.4 (0.6, 6.4)           | 0.000198 (0.0000486, 0.0005208) | 1.0 (0.2, 2.6)         | 0.000073 (0.0000168, 0.0002007) |
| Maluku Utara | Falls                                                    | PNN | 1.1 (0.3, 2.9)           | 0.000088 (0.0000231, 0.0002380) | 0.6 (0.1, 1.6)         | 0.000043 (0.0000102, 0.0001203) |
| Maluku Utara | Interpersonal violence                                   | PNN | 0.6 (0.1, 1.7)           | 0.000051 (0.0000111, 0.0001419) | 0.5 (0.1, 1.4)         | 0.000040 (0.0000090, 0.0001056) |
| Maluku Utara | Transport injuries                                       | PNN | 1.6 (0.4, 4.4)           | 0.000130 (0.0000308, 0.0003575) | 0.6 (0.1, 1.8)         | 0.000046 (0.0000111, 0.0001333) |
| Maluku Utara | Other unintentional injuries                             | PNN | 3.7 (1.2, 8.7)           | 0.000301 (0.0000982, 0.0007096) | 1.8 (0.6, 4.1)         | 0.000138 (0.0000456, 0.0003121) |
| Maluku Utara | Diarrheal diseases                                       | 1   | 412.7 (146.1, 949.4)     | 0.007025 (0.0024873, 0.0161605) | 403.6 (150.6, 903.4)   | 0.007214 (0.0026919, 0.0161465) |
| Maluku Utara | HIV/AIDS                                                 | 1   | 47.7 (7.2, 157.7)        | 0.000812 (0.0001231, 0.0026835) | 34.4 (4.6, 123.9)      | 0.000616 (0.0000830, 0.0022146) |
| Maluku Utara | Lower respiratory infections                             | 1   | 563.6 (203.9, 1,233.8)   | 0.009592 (0.0034702, 0.0210004) | 403.6 (153.3, 839.1)   | 0.007213 (0.0027393, 0.0149971) |
| Maluku Utara | Malaria                                                  | 1   | 65.0 (5.1, 317.3)        | 0.001106 (0.0000865, 0.0054013) | 45.5 (3.8, 218.8)      | 0.000813 (0.0000682, 0.0039113) |
| Maluku Utara | Tuberculosis                                             | 1   | 145.4 (38.3, 358.9)      | 0.002475 (0.0006512, 0.0061081) | 107.2 (27.5, 264.2)    | 0.001917 (0.0004908, 0.0047219) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 29.8 (6.8, 86.8)         | 0.000508 (0.0001153, 0.0014771) | 20.6 (4.9, 60.7)       | 0.000369 (0.0000876, 0.0010843) |
| Maluku Utara | Preterm birth complications                              | 1   | 6.3 (0.9, 22.3)          | 0.000108 (0.0000149, 0.0003793) | 6.7 (0.9, 24.4)        | 0.000119 (0.0000160, 0.0004359) |
| Maluku Utara | Other neonatal disorders                                 | 1   | 11.5 (0.1, 96.0)         | 0.000197 (0.0000011, 0.0016346) | 8.0 (0.1, 65.4)        | 0.000144 (0.0000009, 0.0011689) |
| Maluku Utara | Other communicable diseases                              | 1   | 785.4 (299.7, 1,635.1)   | 0.013369 (0.0051011, 0.0278316) | 563.3 (218.2, 1,176.5) | 0.010068 (0.0038999, 0.0210265) |
| Maluku Utara | Other malignant neoplasms                                | 1   | 13.3 (3.5, 35.3)         | 0.000227 (0.0000599, 0.0006001) | 13.0 (3.5, 33.5)       | 0.000232 (0.0000626, 0.0005993) |
| Maluku Utara | Cerebrovascular disease                                  | 1   | 2.8 (0.6, 7.9)           | 0.000048 (0.0000096, 0.0001338) | 3.7 (0.8, 11.0)        | 0.000066 (0.0000138, 0.0001966) |
| Maluku Utara | Ischemic heart disease                                   | 1   | 1.1 (0.1, 5.5)           | 0.000019 (0.0000010, 0.0000929) | 1.5 (0.1, 7.2)         | 0.000026 (0.0000014, 0.0001281) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | 1   | 2.2 (0.3, 7.5)           | 0.000037 (0.0000051, 0.0001275) | 2.6 (0.4, 8.4)         | 0.000047 (0.0000075, 0.0001503) |
| Maluku Utara | Diabetes mellitus                                        | 1   | 0.8 (0.0, 5.8)           | 0.000013 (0.0000001, 0.0000979) | 1.1 (0.0, 8.6)         | 0.000020 (0.0000001, 0.0001533) |
| Maluku Utara | Chronic kidney disease                                   | 1   | 18.6 (5.1, 48.2)         | 0.000317 (0.0000875, 0.0008210) | 18.0 (4.8, 44.7)       | 0.000321 (0.0000858, 0.0007994) |
| Maluku Utara | Cirrhosis                                                | 1   | 23.4 (5.5, 67.1)         | 0.000399 (0.0000930, 0.0011421) | 13.2 (3.1, 35.4)       | 0.000236 (0.0000562, 0.0006320) |
| Maluku Utara | Chronic respiratory diseases                             | 1   | 65.8 (17.7, 174.4)       | 0.001121 (0.0003018, 0.0029680) | 28.7 (7.0, 81.1)       | 0.000513 (0.0001245, 0.0014494) |
| Maluku Utara | Other non-communicable diseases                          | 1   | 227.2 (88.3, 494.7)      | 0.003868 (0.0015022, 0.0084196) | 256.8 (109.0, 529.7)   | 0.004590 (0.0019485, 0.0094666) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                    |                                 | Females                  |                                 |
|--------------|-----------------------------------------------|-----|--------------------------|---------------------------------|--------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Maluku Utara | Drowning                                      | 1   | 141.6 (36.5, 360.9)      | 0.002411 (0.0006214, 0.0061427) | 43.5 (9.8, 119.1)        | 0.000777 (0.0001756, 0.0021281) |
| Maluku Utara | Falls                                         | 1   | 43.8 (10.0, 121.6)       | 0.000745 (0.0001709, 0.0020697) | 17.7 (3.8, 51.9)         | 0.000316 (0.0000681, 0.0009274) |
| Maluku Utara | Interpersonal violence                        | 1   | 20.5 (4.9, 56.9)         | 0.000349 (0.0000837, 0.0009679) | 13.5 (3.1, 38.2)         | 0.000241 (0.0000546, 0.0006823) |
| Maluku Utara | Transport injuries                            | 1   | 81.5 (21.0, 227.6)       | 0.001387 (0.0003582, 0.0038746) | 24.3 (5.9, 72.4)         | 0.000435 (0.0001048, 0.0012943) |
| Maluku Utara | Other unintentional injuries                  | 1   | 129.7 (39.6, 322.7)      | 0.002207 (0.0006746, 0.0054921) | 49.5 (13.5, 123.9)       | 0.000885 (0.0002411, 0.0022146) |
| Maluku Utara | Diarrheal diseases                            | 5   | 705.3 (359.2, 1,142.8)   | 0.010022 (0.0051042, 0.0162381) | 728.1 (396.8, 1,108.4)   | 0.010927 (0.0059547, 0.0166339) |
| Maluku Utara | HIV/AIDS                                      | 5   | 58.2 (8.7, 187.9)        | 0.000828 (0.0001232, 0.0026702) | 43.3 (6.0, 140.7)        | 0.000651 (0.0000900, 0.0021110) |
| Maluku Utara | Lower respiratory infections                  | 5   | 645.7 (343.2, 1,048.1)   | 0.009174 (0.0048769, 0.0148924) | 483.9 (253.5, 778.3)     | 0.007262 (0.0038040, 0.0116789) |
| Maluku Utara | Malaria                                       | 5   | 107.0 (12.5, 430.5)      | 0.001520 (0.0001775, 0.0061175) | 78.9 (9.6, 305.6)        | 0.001184 (0.0001443, 0.0045865) |
| Maluku Utara | Tuberculosis                                  | 5   | 238.1 (79.0, 467.2)      | 0.003383 (0.0011221, 0.0066385) | 182.8 (60.5, 371.1)      | 0.002743 (0.0009083, 0.0055695) |
| Maluku Utara | Other communicable diseases                   | 5   | 1,329.8 (808.3, 1,889.2) | 0.018896 (0.0114851, 0.0268450) | 1,004.5 (594.8, 1,425.7) | 0.015074 (0.0089256, 0.0213946) |
| Maluku Utara | Other malignant neoplasms                     | 5   | 204.3 (86.7, 406.9)      | 0.002904 (0.0012326, 0.0057813) | 212.6 (94.8, 393.8)      | 0.003190 (0.0014220, 0.0059101) |
| Maluku Utara | Cerebrovascular disease                       | 5   | 30.5 (12.0, 64.8)        | 0.000433 (0.0001700, 0.0009204) | 41.8 (17.9, 79.1)        | 0.000627 (0.0002691, 0.0011876) |
| Maluku Utara | Ischemic heart disease                        | 5   | 13.6 (4.1, 33.0)         | 0.000194 (0.0000578, 0.0004683) | 18.6 (6.3, 43.7)         | 0.000280 (0.0000938, 0.0006552) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 5   | 26.4 (6.6, 70.1)         | 0.000376 (0.0000933, 0.0009958) | 33.5 (9.5, 82.1)         | 0.000503 (0.0001420, 0.0012315) |
| Maluku Utara | Diabetes mellitus                             | 5   | 22.9 (7.0, 56.5)         | 0.000326 (0.0000988, 0.0008030) | 35.9 (10.9, 87.4)        | 0.000539 (0.0001641, 0.0013115) |
| Maluku Utara | Chronic kidney disease                        | 5   | 98.2 (41.6, 193.5)       | 0.001396 (0.0005908, 0.0027497) | 100.7 (41.9, 193.0)      | 0.001511 (0.0006284, 0.0028963) |
| Maluku Utara | Cirrhosis                                     | 5   | 157.1 (68.0, 296.0)      | 0.002233 (0.0009667, 0.0042056) | 95.1 (43.2, 184.4)       | 0.001427 (0.0006479, 0.0027673) |
| Maluku Utara | Chronic respiratory diseases                  | 5   | 132.4 (54.1, 268.9)      | 0.001881 (0.0007687, 0.0038206) | 60.4 (22.0, 133.2)       | 0.000907 (0.0003303, 0.0019994) |
| Maluku Utara | Other non-communicable diseases               | 5   | 534.1 (314.8, 782.8)     | 0.007589 (0.0044737, 0.0111237) | 641.4 (407.1, 913.8)     | 0.009625 (0.0061099, 0.0137125) |
| Maluku Utara | Drowning                                      | 5   | 1,214.4 (622.8, 1,876.1) | 0.017255 (0.0088495, 0.0266583) | 533.6 (230.0, 925.1)     | 0.008008 (0.0034514, 0.0138828) |
| Maluku Utara | Falls                                         | 5   | 196.4 (74.3, 415.1)      | 0.002791 (0.0010564, 0.0058981) | 106.5 (34.7, 241.0)      | 0.001598 (0.0005201, 0.0036164) |
| Maluku Utara | Interpersonal violence                        | 5   | 41.1 (15.9, 86.3)        | 0.000585 (0.0002258, 0.0012256) | 35.7 (12.8, 77.5)        | 0.000536 (0.0001928, 0.0011633) |
| Maluku Utara | Transport injuries                            | 5   | 703.7 (311.5, 1,257.0)   | 0.009999 (0.0044256, 0.0178606) | 292.6 (109.7, 575.8)     | 0.004391 (0.0016460, 0.0086406) |
| Maluku Utara | Other unintentional injuries                  | 5   | 306.7 (147.8, 573.0)     | 0.004358 (0.0020996, 0.0081415) | 157.4 (62.8, 322.9)      | 0.002362 (0.0009419, 0.0048452) |
| Maluku Utara | Diarrheal diseases                            | 10  | 248.0 (102.5, 443.4)     | 0.003936 (0.0016268, 0.0070355) | 342.7 (145.3, 585.1)     | 0.005844 (0.0024783, 0.0099773) |
| Maluku Utara | HIV/AIDS                                      | 10  | 38.2 (5.8, 121.7)        | 0.000605 (0.0000914, 0.0019312) | 38.5 (6.1, 126.1)        | 0.000656 (0.0001036, 0.0021509) |
| Maluku Utara | Lower respiratory infections                  | 10  | 271.4 (117.9, 497.2)     | 0.004307 (0.0018708, 0.0078893) | 264.3 (110.4, 492.9)     | 0.004507 (0.0018826, 0.0084056) |
| Maluku Utara | Malaria                                       | 10  | 132.4 (21.4, 450.7)      | 0.002101 (0.0003397, 0.0071519) | 134.8 (22.8, 464.6)      | 0.002298 (0.0003891, 0.0079227) |
| Maluku Utara | Tuberculosis                                  | 10  | 333.3 (138.7, 575.6)     | 0.005288 (0.0022011, 0.0091335) | 347.4 (153.4, 608.7)     | 0.005924 (0.0026164, 0.0103797) |
| Maluku Utara | Maternal disorders                            | 10  |                          |                                 | 16.7 (2.7, 47.1)         | 0.000286 (0.0000468, 0.0008028) |
| Maluku Utara | Other communicable diseases                   | 10  | 697.6 (371.3, 1,056.3)   | 0.011069 (0.0058923, 0.0167617) | 679.7 (353.0, 1,040.5)   | 0.011592 (0.0060202, 0.0177432) |
| Maluku Utara | Other malignant neoplasms                     | 10  | 207.1 (96.1, 384.8)      | 0.003286 (0.0015243, 0.0061060) | 304.0 (146.7, 529.2)     | 0.005184 (0.0025012, 0.0090248) |
| Maluku Utara | Cerebrovascular disease                       | 10  | 37.1 (17.0, 69.8)        | 0.000589 (0.0002705, 0.0011072) | 66.0 (31.9, 117.6)       | 0.001126 (0.0005443, 0.0020061) |
| Maluku Utara | Ischemic heart disease                        | 10  | 24.7 (10.5, 53.3)        | 0.000392 (0.0001662, 0.0008459) | 43.7 (19.6, 90.1)        | 0.000744 (0.0003342, 0.0015366) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 10  | 28.8 (8.8, 68.7)         | 0.000456 (0.0001401, 0.0010905) | 49.1 (16.3, 110.2)       | 0.000838 (0.0002782, 0.0018798) |
| Maluku Utara | Diabetes mellitus                             | 10  | 23.3 (9.4, 46.2)         | 0.000370 (0.0001492, 0.0007325) | 49.5 (20.7, 99.8)        | 0.000844 (0.0003525, 0.0017021) |
| Maluku Utara | Chronic kidney disease                        | 10  | 98.0 (44.9, 173.9)       | 0.001556 (0.0007131, 0.0027595) | 137.8 (63.0, 249.5)      | 0.002349 (0.0010747, 0.0042547) |
| Maluku Utara | Cirrhosis                                     | 10  | 131.5 (65.7, 233.4)      | 0.002086 (0.0010422, 0.0037043) | 105.4 (51.0, 191.8)      | 0.001798 (0.0008698, 0.0032715) |
| Maluku Utara | Chronic respiratory diseases                  | 10  | 157.6 (71.0, 284.8)      | 0.002500 (0.0011266, 0.0045190) | 103.8 (42.1, 199.8)      | 0.001770 (0.0007175, 0.0034074) |
| Maluku Utara | Other non-communicable diseases               | 10  | 459.8 (290.4, 644.5)     | 0.007296 (0.0046087, 0.0102271) | 723.5 (482.4, 1,009.1)   | 0.012338 (0.0082261, 0.0172075) |
| Maluku Utara | Drowning                                      | 10  | 515.7 (214.3, 904.8)     | 0.008183 (0.0033998, 0.0143573) | 259.2 (84.5, 516.9)      | 0.004421 (0.0014411, 0.0088141) |
| Maluku Utara | Falls                                         | 10  | 136.1 (49.6, 295.4)      | 0.002159 (0.0007863, 0.0046875) | 89.0 (29.4, 205.1)       | 0.001518 (0.0005010, 0.0034968) |
| Maluku Utara | Interpersonal violence                        | 10  | 48.0 (22.4, 89.0)        | 0.000762 (0.0003555, 0.0014121) | 54.4 (23.8, 102.8)       | 0.000927 (0.0004062, 0.0017531) |
| Maluku Utara | Self-harm                                     | 10  | 89.3 (33.5, 190.0)       | 0.001417 (0.0005318, 0.0030156) | 86.9 (29.7, 193.7)       | 0.001481 (0.0005069, 0.0033035) |
| Maluku Utara | Transport injuries                            | 10  | 808.8 (438.8, 1,268.5)   | 0.012833 (0.0069631, 0.0201287) | 432.8 (201.7, 792.9)     | 0.007381 (0.0034401, 0.0135210) |
| Maluku Utara | Other unintentional injuries                  | 10  | 232.2 (118.4, 400.1)     | 0.003684 (0.0018789, 0.0063484) | 149.6 (67.2, 285.4)      | 0.002551 (0.0011461, 0.0048663) |
| Maluku Utara | Diarrheal diseases                            | 15  | 89.1 (26.6, 202.9)       | 0.001682 (0.0005011, 0.0038300) | 162.3 (47.2, 352.3)      | 0.003225 (0.0009376, 0.0070018) |
| Maluku Utara | HIV/AIDS                                      | 15  | 26.8 (3.3, 99.3)         | 0.000505 (0.0000620, 0.0018733) | 35.7 (4.1, 130.0)        | 0.000710 (0.0000805, 0.0025836) |
| Maluku Utara | Lower respiratory infections                  | 15  | 97.9 (33.0, 217.6)       | 0.001848 (0.0006224, 0.0041064) | 113.7 (37.9, 261.1)      | 0.002260 (0.0007533, 0.0051891) |
| Maluku Utara | Malaria                                       | 15  | 184.3 (38.4, 455.8)      | 0.003478 (0.0007246, 0.0086011) | 250.8 (51.2, 634.0)      | 0.004986 (0.0010172, 0.0126020) |
| Maluku Utara | Tuberculosis                                  | 15  | 457.3 (227.4, 729.9)     | 0.008631 (0.0042920, 0.0137746) | 565.1 (279.9, 943.8)     | 0.011232 (0.0055627, 0.0187598) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                      |                                 | Females                  |                                 |
|--------------|-----------------------------------------------|-----|----------------------------|---------------------------------|--------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)              | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Maluku Utara | Maternal disorders                            | 15  |                            |                                 | 138.8 (49.7, 284.0)      | 0.002758 (0.0009880, 0.0056457) |
| Maluku Utara | Other communicable diseases                   | 15  | 298.9 (98.7, 550.2)        | 0.005640 (0.0018634, 0.0103842) | 372.7 (113.7, 698.8)     | 0.007409 (0.0022600, 0.0138894) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 15  | 11.2 (2.2, 39.4)           | 0.000212 (0.0000409, 0.0007428) | 10.1 (1.8, 30.9)         | 0.000200 (0.0000359, 0.0006143) |
| Maluku Utara | Breast cancer                                 | 15  | 1.0 (0.1, 3.9)             | 0.000019 (0.0000016, 0.0000740) | 65.1 (13.1, 173.9)       | 0.001295 (0.0002596, 0.0034560) |
| Maluku Utara | Cervical cancer                               | 15  |                            |                                 | 32.2 (3.9, 119.9)        | 0.000641 (0.0000771, 0.0023840) |
| Maluku Utara | Other malignant neoplasms                     | 15  | 179.5 (79.2, 328.8)        | 0.003387 (0.0014939, 0.0062056) | 435.2 (195.1, 777.9)     | 0.008651 (0.0038773, 0.0154607) |
| Maluku Utara | Cerebrovascular disease                       | 15  | 58.4 (28.1, 108.3)         | 0.001103 (0.0005307, 0.0020445) | 124.2 (59.0, 222.3)      | 0.002469 (0.0011724, 0.0044187) |
| Maluku Utara | Ischemic heart disease                        | 15  | 72.0 (32.3, 132.4)         | 0.001360 (0.0006103, 0.0024989) | 126.3 (58.1, 234.4)      | 0.002511 (0.0011548, 0.0046597) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 15  | 37.9 (12.3, 88.3)          | 0.000715 (0.0002328, 0.0016670) | 89.1 (27.5, 209.8)       | 0.001771 (0.0005461, 0.0041691) |
| Maluku Utara | Diabetes mellitus                             | 15  | 29.8 (12.6, 62.5)          | 0.000562 (0.0002383, 0.0011792) | 89.4 (36.6, 180.8)       | 0.001776 (0.0007283, 0.0035943) |
| Maluku Utara | Chronic kidney disease                        | 15  | 116.7 (54.5, 205.4)        | 0.002203 (0.0010279, 0.0038759) | 233.4 (107.3, 421.6)     | 0.004639 (0.0021320, 0.0083788) |
| Maluku Utara | Cirrhosis                                     | 15  | 122.8 (60.2, 215.5)        | 0.002318 (0.0011357, 0.0040663) | 137.7 (65.4, 268.6)      | 0.002737 (0.0013000, 0.0053388) |
| Maluku Utara | Chronic respiratory diseases                  | 15  | 104.0 (41.8, 201.8)        | 0.001964 (0.0007884, 0.0038088) | 118.3 (42.4, 245.0)      | 0.002352 (0.0008422, 0.0048699) |
| Maluku Utara | Other non-communicable diseases               | 15  | 465.2 (301.1, 672.3)       | 0.008779 (0.0056833, 0.0126871) | 929.5 (607.1, 1,318.9)   | 0.018476 (0.0120667, 0.0262155) |
| Maluku Utara | Drowning                                      | 15  | 186.1 (63.9, 378.6)        | 0.003512 (0.0012056, 0.0071456) | 120.7 (34.5, 273.6)      | 0.002399 (0.0006848, 0.0054381) |
| Maluku Utara | Falls                                         | 15  | 86.9 (33.3, 194.0)         | 0.001640 (0.0006282, 0.0036612) | 77.9 (26.3, 182.8)       | 0.001549 (0.0005231, 0.0036330) |
| Maluku Utara | Interpersonal violence                        | 15  | 89.7 (43.4, 163.3)         | 0.001694 (0.0008189, 0.0030820) | 146.6 (59.9, 291.6)      | 0.002914 (0.0011913, 0.0057962) |
| Maluku Utara | Self-harm                                     | 15  | 144.9 (64.3, 272.9)        | 0.002734 (0.0012131, 0.0051501) | 205.3 (77.4, 421.7)      | 0.004080 (0.0015380, 0.0083820) |
| Maluku Utara | Transport injuries                            | 15  | 1,637.0 (1,155.2, 2,234.3) | 0.030895 (0.0218022, 0.0421657) | 1,340.4 (804.2, 2,022.4) | 0.026641 (0.0159850, 0.0401974) |
| Maluku Utara | Other unintentional injuries                  | 15  | 255.5 (138.3, 440.4)       | 0.004823 (0.0026096, 0.0083119) | 230.3 (104.1, 435.1)     | 0.004577 (0.0020696, 0.0086485) |
| Maluku Utara | Diarrheal diseases                            | 20  | 84.3 (24.9, 173.4)         | 0.001699 (0.0005018, 0.0034966) | 172.5 (52.1, 368.6)      | 0.003528 (0.0010659, 0.0075374) |
| Maluku Utara | HIV/AIDS                                      | 20  | 79.8 (12.0, 249.2)         | 0.001610 (0.0002420, 0.0050254) | 117.0 (18.4, 372.0)      | 0.002392 (0.0003770, 0.0076079) |
| Maluku Utara | Lower respiratory infections                  | 20  | 89.7 (30.5, 197.9)         | 0.001809 (0.0006156, 0.0039914) | 106.2 (36.3, 243.3)      | 0.002171 (0.0007419, 0.0049753) |
| Maluku Utara | Malaria                                       | 20  | 214.9 (47.0, 517.3)        | 0.004333 (0.0009486, 0.0104311) | 319.6 (64.6, 809.3)      | 0.006536 (0.0013215, 0.0165498) |
| Maluku Utara | Tuberculosis                                  | 20  | 820.1 (457.9, 1,243.6)     | 0.016538 (0.0092334, 0.0250770) | 981.5 (536.7, 1,556.0)   | 0.020071 (0.0109752, 0.0318208) |
| Maluku Utara | Maternal disorders                            | 20  |                            |                                 | 306.6 (126.8, 581.7)     | 0.006271 (0.0025930, 0.0118953) |
| Maluku Utara | Other communicable diseases                   | 20  | 368.4 (122.7, 669.8)       | 0.007428 (0.0024746, 0.0135065) | 519.4 (172.1, 924.1)     | 0.010622 (0.0035197, 0.0188970) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 20  | 7.2 (1.3, 23.2)            | 0.000145 (0.0000253, 0.0004673) | 16.9 (3.7, 49.4)         | 0.000346 (0.0000757, 0.0010106) |
| Maluku Utara | Breast cancer                                 | 20  | 1.0 (0.2, 3.5)             | 0.000021 (0.0000032, 0.0000707) | 201.0 (65.1, 423.4)      | 0.004110 (0.0013311, 0.0086581) |
| Maluku Utara | Cervical cancer                               | 20  |                            |                                 | 71.7 (12.2, 239.0)       | 0.001466 (0.0002490, 0.0048868) |
| Maluku Utara | Other malignant neoplasms                     | 20  | 150.8 (68.1, 285.4)        | 0.003041 (0.0013734, 0.0057549) | 525.2 (235.6, 956.3)     | 0.010741 (0.0048173, 0.0195562) |
| Maluku Utara | Cerebrovascular disease                       | 20  | 110.6 (56.9, 195.4)        | 0.002231 (0.0011483, 0.0039406) | 232.3 (127.1, 390.8)     | 0.004751 (0.0025994, 0.0079913) |
| Maluku Utara | Ischemic heart disease                        | 20  | 132.3 (63.6, 232.7)        | 0.002667 (0.0012816, 0.0046915) | 177.3 (82.3, 328.2)      | 0.003626 (0.0016835, 0.0067122) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 20  | 56.4 (20.9, 119.2)         | 0.001137 (0.0004206, 0.0024027) | 148.8 (56.6, 312.7)      | 0.003044 (0.0011572, 0.0063942) |
| Maluku Utara | Diabetes mellitus                             | 20  | 26.7 (11.1, 54.9)          | 0.000538 (0.0002241, 0.0011072) | 91.5 (40.1, 192.9)       | 0.001871 (0.0008210, 0.0039443) |
| Maluku Utara | Chronic kidney disease                        | 20  | 165.4 (86.9, 283.8)        | 0.003335 (0.0017517, 0.0057237) | 374.2 (185.8, 649.4)     | 0.007652 (0.0037986, 0.0132807) |
| Maluku Utara | Cirrhosis                                     | 20  | 183.5 (95.8, 314.3)        | 0.003700 (0.0019311, 0.0063370) | 240.2 (120.4, 438.0)     | 0.004912 (0.0024615, 0.0089579) |
| Maluku Utara | Chronic respiratory diseases                  | 20  | 185.7 (82.4, 340.2)        | 0.003744 (0.0016621, 0.0068606) | 316.4 (133.5, 576.0)     | 0.006471 (0.0027293, 0.0117790) |
| Maluku Utara | Other non-communicable diseases               | 20  | 442.9 (275.5, 658.6)       | 0.008930 (0.0055548, 0.0132812) | 939.3 (594.7, 1,360.1)   | 0.019208 (0.0121621, 0.0278140) |
| Maluku Utara | Drowning                                      | 20  | 140.9 (48.6, 307.9)        | 0.002842 (0.0009796, 0.0062086) | 92.7 (25.0, 213.6)       | 0.001896 (0.0005113, 0.0043682) |
| Maluku Utara | Falls                                         | 20  | 87.3 (32.6, 203.3)         | 0.001761 (0.0006572, 0.0040995) | 78.8 (26.1, 189.1)       | 0.001611 (0.0005340, 0.0038677) |
| Maluku Utara | Interpersonal violence                        | 20  | 101.5 (48.7, 196.7)        | 0.002046 (0.0009827, 0.0039657) | 159.0 (67.0, 319.3)      | 0.003252 (0.0013700, 0.0065291) |
| Maluku Utara | Self-harm                                     | 20  | 139.0 (60.8, 262.0)        | 0.002802 (0.0012258, 0.0052838) | 187.9 (68.4, 402.8)      | 0.003842 (0.0013984, 0.0082378) |
| Maluku Utara | Transport injuries                            | 20  | 1,320.2 (858.2, 1,987.8)   | 0.026621 (0.0173044, 0.0400825) | 1,018.5 (533.2, 1,692.7) | 0.020829 (0.0109038, 0.0346151) |
| Maluku Utara | Other unintentional injuries                  | 20  | 278.3 (145.5, 500.1)       | 0.005612 (0.0029346, 0.0100840) | 246.3 (109.3, 464.3)     | 0.005037 (0.0022351, 0.0094946) |
| Maluku Utara | Diarrheal diseases                            | 25  | 119.5 (38.0, 247.7)        | 0.002348 (0.0007468, 0.0048671) | 272.2 (85.5, 569.8)      | 0.005215 (0.0016379, 0.0109182) |
| Maluku Utara | HIV/AIDS                                      | 25  | 145.8 (24.5, 420.4)        | 0.002865 (0.0004808, 0.0082607) | 233.2 (41.3, 657.4)      | 0.004469 (0.0007916, 0.0125971) |
| Maluku Utara | Lower respiratory infections                  | 25  | 91.7 (30.9, 204.6)         | 0.001801 (0.0006066, 0.0040207) | 121.6 (41.5, 291.5)      | 0.002330 (0.0007955, 0.0055847) |
| Maluku Utara | Malaria                                       | 25  | 235.1 (53.5, 583.0)        | 0.004619 (0.0010509, 0.0114558) | 369.2 (77.5, 959.9)      | 0.007074 (0.0014848, 0.0183915) |
| Maluku Utara | Tuberculosis                                  | 25  | 1,097.9 (602.2, 1,611.0)   | 0.021571 (0.0118316, 0.0316526) | 1,379.4 (721.4, 2,142.3) | 0.026431 (0.0138229, 0.0410481) |
| Maluku Utara | Maternal disorders                            | 25  |                            |                                 | 496.3 (231.5, 902.7)     | 0.009509 (0.0044366, 0.0172962) |
| Maluku Utara | Other communicable diseases                   | 25  | 393.9 (128.6, 726.2)       | 0.007739 (0.0025267, 0.0142679) | 629.7 (213.5, 1,140.3)   | 0.012066 (0.0040906, 0.0218491) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                  |                                 | Females                  |                                 |
|--------------|-----------------------------------------------|-----|------------------------|---------------------------------|--------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 25  | 10.4 (1.6, 32.7)       | 0.000205 (0.0000320, 0.0006427) | 25.5 (5.8, 78.3)         | 0.000489 (0.0001102, 0.0014995) |
| Maluku Utara | Breast cancer                                 | 25  | 1.2 (0.2, 4.0)         | 0.000023 (0.0000035, 0.0000782) | 448.8 (172.2, 828.2)     | 0.008599 (0.0032999, 0.0158697) |
| Maluku Utara | Cervical cancer                               | 25  |                        |                                 | 135.4 (26.4, 404.4)      | 0.002595 (0.0005065, 0.0077480) |
| Maluku Utara | Other malignant neoplasms                     | 25  | 222.1 (102.7, 413.4)   | 0.004365 (0.0020184, 0.0081228) | 667.3 (287.1, 1,199.8)   | 0.012786 (0.0055017, 0.0229881) |
| Maluku Utara | Cerebrovascular disease                       | 25  | 211.4 (122.3, 355.6)   | 0.004154 (0.0024028, 0.0069868) | 470.3 (271.6, 754.5)     | 0.009011 (0.0052034, 0.0144576) |
| Maluku Utara | Ischemic heart disease                        | 25  | 263.1 (136.6, 437.4)   | 0.005170 (0.0026842, 0.0085935) | 356.0 (175.9, 607.1)     | 0.006822 (0.0033703, 0.0116316) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 25  | 81.1 (31.7, 168.3)     | 0.001594 (0.0006234, 0.0033072) | 226.9 (87.7, 479.9)      | 0.004348 (0.0016799, 0.0091958) |
| Maluku Utara | Diabetes mellitus                             | 25  | 47.5 (22.3, 89.0)      | 0.000933 (0.0004389, 0.0017493) | 167.2 (80.8, 309.9)      | 0.003204 (0.0015476, 0.0059388) |
| Maluku Utara | Chronic kidney disease                        | 25  | 199.3 (107.4, 337.1)   | 0.003916 (0.0021105, 0.0066243) | 457.5 (234.9, 779.7)     | 0.008766 (0.0045001, 0.0149392) |
| Maluku Utara | Cirrhosis                                     | 25  | 267.1 (148.2, 444.0)   | 0.005247 (0.0029113, 0.0087233) | 373.2 (195.0, 660.0)     | 0.007151 (0.0037363, 0.0126464) |
| Maluku Utara | Chronic respiratory diseases                  | 25  | 242.8 (108.6, 450.5)   | 0.004771 (0.0021329, 0.0088515) | 443.1 (189.7, 804.7)     | 0.008490 (0.0036345, 0.0154183) |
| Maluku Utara | Other non-communicable diseases               | 25  | 557.3 (355.6, 812.3)   | 0.010951 (0.0069868, 0.0159604) | 1,254.6 (808.4, 1,807.9) | 0.024040 (0.0154896, 0.0346417) |
| Maluku Utara | Drowning                                      | 25  | 91.8 (26.7, 207.2)     | 0.001804 (0.0005248, 0.0040711) | 67.5 (17.8, 162.8)       | 0.001294 (0.0003408, 0.0031192) |
| Maluku Utara | Falls                                         | 25  | 122.1 (46.9, 269.0)    | 0.002400 (0.0009219, 0.0052851) | 119.6 (42.8, 281.9)      | 0.002293 (0.0008196, 0.0054017) |
| Maluku Utara | Interpersonal violence                        | 25  | 103.0 (46.5, 197.5)    | 0.002023 (0.0009137, 0.0038809) | 156.4 (64.4, 319.7)      | 0.002998 (0.0012347, 0.0061251) |
| Maluku Utara | Self-harm                                     | 25  | 130.8 (57.2, 263.1)    | 0.002571 (0.0011234, 0.0051695) | 168.3 (62.9, 383.7)      | 0.003225 (0.0012057, 0.0073511) |
| Maluku Utara | Transport injuries                            | 25  | 888.4 (488.2, 1,438.2) | 0.017456 (0.0095922, 0.0282574) | 676.6 (316.7, 1,262.2)   | 0.012964 (0.0060676, 0.0241839) |
| Maluku Utara | Other unintentional injuries                  | 25  | 330.9 (166.6, 585.8)   | 0.006503 (0.0032738, 0.0115092) | 299.2 (129.7, 572.5)     | 0.005733 (0.0024847, 0.0109701) |
| Maluku Utara | Diarrheal diseases                            | 30  | 110.6 (32.3, 233.8)    | 0.002390 (0.0006980, 0.0050530) | 267.6 (87.3, 544.6)      | 0.005970 (0.0019479, 0.0121501) |
| Maluku Utara | HIV/AIDS                                      | 30  | 129.6 (20.2, 366.3)    | 0.002801 (0.0004368, 0.0079167) | 219.2 (41.0, 595.5)      | 0.004890 (0.0009152, 0.0132847) |
| Maluku Utara | Lower respiratory infections                  | 30  | 73.6 (24.0, 167.0)     | 0.001590 (0.0005183, 0.0036096) | 107.7 (36.6, 252.9)      | 0.002403 (0.0008171, 0.0056429) |
| Maluku Utara | Malaria                                       | 30  | 166.0 (37.2, 415.3)    | 0.003588 (0.0008038, 0.0089761) | 265.7 (53.7, 703.8)      | 0.005929 (0.0011981, 0.0157025) |
| Maluku Utara | Tuberculosis                                  | 30  | 940.8 (513.8, 1,393.8) | 0.020336 (0.0111063, 0.0301260) | 1,229.3 (641.3, 1,964.3) | 0.027426 (0.0143074, 0.0438220) |
| Maluku Utara | Maternal disorders                            | 30  |                        |                                 | 407.6 (176.8, 744.3)     | 0.009093 (0.0039449, 0.0166052) |
| Maluku Utara | Other communicable diseases                   | 30  | 231.6 (72.4, 456.7)    | 0.005005 (0.0015646, 0.0098711) | 399.4 (133.4, 749.6)     | 0.008911 (0.0029765, 0.0167227) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 30  | 23.3 (4.4, 67.0)       | 0.000505 (0.0000947, 0.0014490) | 26.3 (6.5, 75.4)         | 0.000588 (0.0001443, 0.0016825) |
| Maluku Utara | Breast cancer                                 | 30  | 1.6 (0.2, 6.5)         | 0.000035 (0.0000039, 0.0001406) | 636.0 (284.1, 1,120.5)   | 0.014188 (0.0063388, 0.0249981) |
| Maluku Utara | Cervical cancer                               | 30  |                        |                                 | 167.5 (35.4, 487.4)      | 0.003738 (0.0007893, 0.0108728) |
| Maluku Utara | Other malignant neoplasms                     | 30  | 279.6 (133.0, 506.3)   | 0.006044 (0.0028749, 0.0109433) | 640.0 (272.7, 1,172.5)   | 0.014279 (0.0060840, 0.0261579) |
| Maluku Utara | Cerebrovascular disease                       | 30  | 318.2 (187.8, 515.3)   | 0.006879 (0.0040603, 0.0111382) | 720.7 (443.1, 1,104.3)   | 0.016078 (0.0098854, 0.0246355) |
| Maluku Utara | Ischemic heart disease                        | 30  | 357.5 (195.2, 582.7)   | 0.007726 (0.0042193, 0.0125944) | 497.2 (259.9, 822.4)     | 0.011093 (0.0057993, 0.0183485) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 30  | 95.6 (38.1, 195.6)     | 0.002066 (0.0008235, 0.0042286) | 264.2 (104.2, 547.3)     | 0.005895 (0.0023254, 0.0122097) |
| Maluku Utara | Diabetes mellitus                             | 30  | 73.2 (36.8, 127.9)     | 0.001582 (0.0007950, 0.0027652) | 249.4 (124.4, 440.3)     | 0.005565 (0.0027759, 0.0098228) |
| Maluku Utara | Chronic kidney disease                        | 30  | 203.2 (107.8, 335.8)   | 0.004392 (0.0023307, 0.0072583) | 448.0 (228.0, 757.7)     | 0.009994 (0.0050864, 0.0169036) |
| Maluku Utara | Cirrhosis                                     | 30  | 324.4 (182.2, 519.4)   | 0.007013 (0.0039385, 0.0112265) | 455.5 (247.6, 767.4)     | 0.010161 (0.0055235, 0.0171197) |
| Maluku Utara | Chronic respiratory diseases                  | 30  | 242.8 (109.7, 441.3)   | 0.005248 (0.0023714, 0.0095385) | 422.2 (182.1, 780.4)     | 0.009419 (0.0040615, 0.0174100) |
| Maluku Utara | Other non-communicable diseases               | 30  | 556.5 (349.9, 803.8)   | 0.012028 (0.0075632, 0.0173737) | 1,262.0 (817.6, 1,838.6) | 0.028155 (0.0182403, 0.0410187) |
| Maluku Utara | Drowning                                      | 30  | 91.5 (25.8, 200.7)     | 0.001978 (0.0005580, 0.0043385) | 77.5 (19.0, 185.1)       | 0.001729 (0.0004232, 0.0041296) |
| Maluku Utara | Falls                                         | 30  | 129.6 (48.5, 291.1)    | 0.002802 (0.0010476, 0.0062932) | 141.0 (51.1, 326.2)      | 0.003145 (0.0011407, 0.0072780) |
| Maluku Utara | Interpersonal violence                        | 30  | 72.2 (32.0, 146.4)     | 0.001560 (0.0006915, 0.0031651) | 110.1 (44.6, 235.2)      | 0.002457 (0.0009942, 0.0052465) |
| Maluku Utara | Self-harm                                     | 30  | 89.8 (38.3, 182.4)     | 0.001941 (0.0008286, 0.0039429) | 114.1 (43.0, 253.8)      | 0.002546 (0.0009602, 0.0056617) |
| Maluku Utara | Transport injuries                            | 30  | 683.0 (358.4, 1,158.4) | 0.014763 (0.0077477, 0.0250385) | 552.4 (243.7, 1,054.1)   | 0.012323 (0.0054361, 0.0235159) |
| Maluku Utara | Other unintentional injuries                  | 30  | 271.4 (135.0, 492.6)   | 0.005867 (0.0029188, 0.0106474) | 256.9 (111.1, 505.4)     | 0.005732 (0.0024791, 0.0112762) |
| Maluku Utara | Diarrheal diseases                            | 35  | 85.0 (23.3, 185.7)     | 0.002103 (0.0005771, 0.0045939) | 261.4 (80.0, 528.5)      | 0.006971 (0.0021329, 0.0140942) |
| Maluku Utara | HIV/AIDS                                      | 35  | 99.2 (14.9, 290.7)     | 0.002455 (0.0003696, 0.0071916) | 203.1 (35.8, 621.3)      | 0.005417 (0.0009537, 0.0165694) |
| Maluku Utara | Lower respiratory infections                  | 35  | 67.4 (21.3, 151.7)     | 0.001668 (0.0005275, 0.0037533) | 125.5 (40.7, 294.8)      | 0.003347 (0.0010842, 0.0078629) |
| Maluku Utara | Malaria                                       | 35  | 129.3 (27.1, 345.9)    | 0.003200 (0.0006715, 0.0085573) | 247.1 (46.6, 676.3)      | 0.006590 (0.0012436, 0.0180373) |
| Maluku Utara | Tuberculosis                                  | 35  | 867.3 (476.1, 1,296.7) | 0.021459 (0.0117786, 0.0320826) | 1,331.8 (688.0, 2,151.6) | 0.035518 (0.0183499, 0.0573820) |
| Maluku Utara | Maternal disorders                            | 35  |                        |                                 | 327.9 (129.9, 611.4)     | 0.008744 (0.0034646, 0.0163046) |
| Maluku Utara | Other communicable diseases                   | 35  | 180.0 (53.8, 356.3)    | 0.004453 (0.0013310, 0.0088167) | 402.8 (126.3, 769.5)     | 0.010743 (0.0033689, 0.0205219) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 35  | 17.1 (3.5, 47.5)       | 0.000422 (0.0000862, 0.0011754) | 35.2 (8.8, 97.8)         | 0.000938 (0.0002342, 0.0026086) |
| Maluku Utara | Breast cancer                                 | 35  | 3.0 (0.4, 11.1)        | 0.000074 (0.0000109, 0.0002750) | 910.8 (408.9, 1,558.9)   | 0.024291 (0.0109064, 0.0415755) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                  |                                 | Females                    |                                 |
|--------------|-----------------------------------------------|-----|------------------------|---------------------------------|----------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku Utara | Cervical cancer                               | 35  |                        |                                 | 234.9 (50.3, 651.9)        | 0.006266 (0.0013422, 0.0173858) |
| Maluku Utara | Other malignant neoplasms                     | 35  | 350.1 (173.7, 606.8)   | 0.008662 (0.0042967, 0.0150135) | 715.8 (286.8, 1,368.9)     | 0.019090 (0.0076497, 0.0365091) |
| Maluku Utara | Cerebrovascular disease                       | 35  | 485.1 (296.1, 741.7)   | 0.012002 (0.0073260, 0.0183508) | 1,224.9 (759.6, 1,831.5)   | 0.032668 (0.0202591, 0.0488449) |
| Maluku Utara | Ischemic heart disease                        | 35  | 492.7 (274.2, 770.3)   | 0.012190 (0.0067848, 0.0190592) | 762.9 (422.2, 1,268.7)     | 0.020347 (0.0112604, 0.0338349) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 35  | 118.0 (47.1, 240.1)    | 0.002919 (0.0011644, 0.0059403) | 353.8 (137.5, 724.8)       | 0.009436 (0.0036670, 0.0193310) |
| Maluku Utara | Diabetes mellitus                             | 35  | 127.1 (65.3, 220.6)    | 0.003144 (0.0016155, 0.0054585) | 460.9 (238.7, 818.5)       | 0.012293 (0.0063657, 0.0218289) |
| Maluku Utara | Chronic kidney disease                        | 35  | 222.9 (118.9, 366.6)   | 0.005515 (0.0029430, 0.0090711) | 518.5 (261.6, 894.8)       | 0.013827 (0.0069761, 0.0238643) |
| Maluku Utara | Cirrhosis                                     | 35  | 374.7 (219.2, 592.4)   | 0.009270 (0.0054236, 0.0146580) | 585.5 (324.2, 999.1)       | 0.015616 (0.0086457, 0.0266451) |
| Maluku Utara | Chronic respiratory diseases                  | 35  | 269.6 (126.5, 493.1)   | 0.006670 (0.0031290, 0.0122013) | 492.1 (218.8, 891.6)       | 0.013125 (0.0058362, 0.0237793) |
| Maluku Utara | Other non-communicable diseases               | 35  | 557.1 (354.3, 823.6)   | 0.013784 (0.0087663, 0.0203781) | 1,396.8 (885.2, 2,128.2)   | 0.037253 (0.0236067, 0.0567596) |
| Maluku Utara | Drowning                                      | 35  | 102.3 (31.2, 241.6)    | 0.002532 (0.0007711, 0.0059780) | 111.1 (29.3, 270.2)        | 0.002964 (0.0007825, 0.0072071) |
| Maluku Utara | Falls                                         | 35  | 117.6 (42.1, 264.3)    | 0.002909 (0.0010425, 0.0065391) | 157.0 (54.6, 353.6)        | 0.004187 (0.0014574, 0.0094313) |
| Maluku Utara | Interpersonal violence                        | 35  | 56.5 (24.3, 110.9)     | 0.001397 (0.0006013, 0.0027446) | 93.4 (38.5, 197.2)         | 0.002492 (0.0010275, 0.0052589) |
| Maluku Utara | Self-harm                                     | 35  | 75.6 (30.8, 154.5)     | 0.001870 (0.0007621, 0.0038215) | 102.2 (37.0, 233.0)        | 0.002725 (0.0009862, 0.0062128) |
| Maluku Utara | Transport injuries                            | 35  | 497.9 (245.7, 896.3)   | 0.012320 (0.0060795, 0.0221764) | 470.2 (190.0, 951.2)       | 0.012540 (0.0050686, 0.0253689) |
| Maluku Utara | Other unintentional injuries                  | 35  | 231.1 (107.3, 420.7)   | 0.005718 (0.0026542, 0.0104087) | 250.6 (106.3, 493.3)       | 0.006685 (0.0028355, 0.0131568) |
| Maluku Utara | Diarrheal diseases                            | 40  | 76.1 (21.1, 169.4)     | 0.002331 (0.0006456, 0.0051914) | 245.9 (82.9, 510.5)        | 0.008141 (0.0027464, 0.0169045) |
| Maluku Utara | HIV/AIDS                                      | 40  | 45.2 (6.4, 149.2)      | 0.001385 (0.0001948, 0.0045705) | 92.1 (15.3, 295.2)         | 0.003051 (0.0005076, 0.0097761) |
| Maluku Utara | Lower respiratory infections                  | 40  | 56.3 (17.2, 124.7)     | 0.001724 (0.0005276, 0.0038197) | 112.4 (35.7, 260.3)        | 0.003723 (0.0011814, 0.0086204) |
| Maluku Utara | Malaria                                       | 40  | 111.3 (23.4, 295.6)    | 0.003410 (0.0007164, 0.0090560) | 200.1 (38.0, 567.5)        | 0.006626 (0.0012581, 0.0187915) |
| Maluku Utara | Tuberculosis                                  | 40  | 710.3 (387.7, 1,061.9) | 0.021765 (0.0118786, 0.0325362) | 1,012.7 (520.5, 1,650.7)   | 0.033534 (0.0172334, 0.0546588) |
| Maluku Utara | Maternal disorders                            | 40  |                        |                                 | 106.0 (38.4, 219.6)        | 0.003511 (0.0012712, 0.0072708) |
| Maluku Utara | Other communicable diseases                   | 40  | 143.4 (40.0, 290.3)    | 0.004395 (0.0012254, 0.0088938) | 350.3 (113.7, 665.5)       | 0.011601 (0.0037660, 0.0220354) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 40  | 36.4 (8.4, 104.7)      | 0.001115 (0.0002578, 0.0032077) | 36.4 (9.3, 96.2)           | 0.001205 (0.0003064, 0.0031855) |
| Maluku Utara | Breast cancer                                 | 40  | 5.6 (1.0, 18.0)        | 0.000171 (0.0000313, 0.0005509) | 954.2 (430.1, 1,624.8)     | 0.031595 (0.0142424, 0.0537999) |
| Maluku Utara | Cervical cancer                               | 40  |                        |                                 | 283.0 (65.0, 764.7)        | 0.009370 (0.0021519, 0.0253213) |
| Maluku Utara | Other malignant neoplasms                     | 40  | 420.6 (206.2, 738.4)   | 0.012888 (0.0063194, 0.0226239) | 616.6 (236.1, 1,218.5)     | 0.020416 (0.0078190, 0.0403480) |
| Maluku Utara | Cerebrovascular disease                       | 40  | 724.1 (462.4, 1,080.2) | 0.022186 (0.0141691, 0.0330973) | 1,613.1 (1,065.8, 2,310.0) | 0.053415 (0.0352911, 0.0764903) |
| Maluku Utara | Ischemic heart disease                        | 40  | 710.4 (412.7, 1,070.8) | 0.021766 (0.0126454, 0.0328105) | 934.7 (523.4, 1,528.2)     | 0.030950 (0.0173321, 0.0506021) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 40  | 158.5 (64.5, 321.2)    | 0.004856 (0.0019762, 0.0098424) | 402.6 (162.8, 803.6)       | 0.013331 (0.0053902, 0.0266081) |
| Maluku Utara | Diabetes mellitus                             | 40  | 246.0 (137.8, 415.6)   | 0.007537 (0.0042215, 0.0127326) | 737.5 (401.2, 1,229.6)     | 0.024420 (0.0132849, 0.0407154) |
| Maluku Utara | Chronic kidney disease                        | 40  | 265.5 (141.0, 433.2)   | 0.008134 (0.0043217, 0.0132745) | 500.8 (253.1, 866.6)       | 0.016581 (0.0083807, 0.0286967) |
| Maluku Utara | Cirrhosis                                     | 40  | 420.0 (252.8, 668.5)   | 0.012870 (0.0077461, 0.0204817) | 585.6 (328.2, 971.0)       | 0.019391 (0.0108672, 0.0321538) |
| Maluku Utara | Chronic respiratory diseases                  | 40  | 305.2 (150.6, 561.4)   | 0.009351 (0.0046157, 0.0172002) | 473.2 (214.5, 854.5)       | 0.015669 (0.0071022, 0.0282944) |
| Maluku Utara | Other non-communicable diseases               | 40  | 574.4 (360.0, 836.9)   | 0.017599 (0.0110295, 0.0256437) | 1,253.6 (794.6, 1,896.5)   | 0.041509 (0.0263100, 0.0627977) |
| Maluku Utara | Drowning                                      | 40  | 44.6 (12.6, 116.6)     | 0.001368 (0.0003868, 0.0035728) | 53.7 (14.5, 129.2)         | 0.001779 (0.0004812, 0.0042778) |
| Maluku Utara | Falls                                         | 40  | 86.8 (29.0, 196.0)     | 0.002661 (0.0008888, 0.0060062) | 119.7 (39.2, 268.4)        | 0.003963 (0.0012991, 0.0088875) |
| Maluku Utara | Interpersonal violence                        | 40  | 39.8 (14.6, 84.5)      | 0.001219 (0.0004476, 0.0025902) | 54.0 (20.7, 116.3)         | 0.001788 (0.0006842, 0.0038501) |
| Maluku Utara | Self-harm                                     | 40  | 60.8 (23.6, 130.4)     | 0.001864 (0.0007233, 0.0039951) | 65.2 (23.7, 147.3)         | 0.002160 (0.0007836, 0.0048791) |
| Maluku Utara | Transport injuries                            | 40  | 342.6 (159.7, 646.2)   | 0.010497 (0.0048932, 0.0198006) | 310.7 (125.4, 652.2)       | 0.010287 (0.0041520, 0.0215944) |
| Maluku Utara | Other unintentional injuries                  | 40  | 161.4 (73.0, 308.6)    | 0.004944 (0.0022358, 0.0094553) | 159.3 (66.9, 317.1)        | 0.005274 (0.0022168, 0.0104997) |
| Maluku Utara | Diarrheal diseases                            | 45  | 67.7 (18.7, 153.9)     | 0.002480 (0.0006852, 0.0056377) | 245.7 (81.1, 499.0)        | 0.009792 (0.0032336, 0.0198915) |
| Maluku Utara | HIV/AIDS                                      | 45  | 21.3 (2.7, 74.9)       | 0.000780 (0.0001002, 0.0027428) | 48.1 (7.3, 159.1)          | 0.001917 (0.0002925, 0.0063434) |
| Maluku Utara | Lower respiratory infections                  | 45  | 59.4 (18.3, 138.8)     | 0.002177 (0.0006698, 0.0050851) | 141.7 (44.2, 325.1)        | 0.005649 (0.0017629, 0.0129600) |
| Maluku Utara | Malaria                                       | 45  | 86.8 (17.3, 236.7)     | 0.003181 (0.0006345, 0.0086724) | 165.3 (29.7, 490.1)        | 0.006590 (0.0011839, 0.0195350) |
| Maluku Utara | Tuberculosis                                  | 45  | 659.5 (353.7, 979.9)   | 0.024165 (0.0129599, 0.0359037) | 1,055.5 (539.6, 1,701.2)   | 0.042073 (0.0215068, 0.0678083) |
| Maluku Utara | Maternal disorders                            | 45  |                        |                                 | 21.8 (6.6, 51.7)           | 0.000869 (0.0002622, 0.0020589) |
| Maluku Utara | Other communicable diseases                   | 45  | 109.9 (31.3, 227.7)    | 0.004026 (0.0011480, 0.0083419) | 307.4 (103.8, 577.8)       | 0.012251 (0.0041376, 0.0230328) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 45  | 39.1 (9.6, 106.7)      | 0.001431 (0.0003520, 0.0039086) | 41.9 (11.0, 107.1)         | 0.001668 (0.0004378, 0.0042679) |
| Maluku Utara | Breast cancer                                 | 45  | 7.8 (1.8, 23.1)        | 0.000286 (0.0000649, 0.0008463) | 827.4 (366.0, 1,465.9)     | 0.032981 (0.0145875, 0.0584312) |
| Maluku Utara | Cervical cancer                               | 45  |                        |                                 | 266.9 (61.1, 699.6)        | 0.010637 (0.0024363, 0.0278863) |
| Maluku Utara | Other malignant neoplasms                     | 45  | 404.6 (196.6, 711.5)   | 0.014824 (0.0072050, 0.0260692) | 499.5 (188.6, 986.2)       | 0.019911 (0.0075176, 0.0393083) |



Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|--------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku Utara | Cerebrovascular disease                       | 45  | 923.1 (611.6, 1,353.0)   | 0.033824 (0.0224077, 0.0495764) | 2,199.2 (1,510.6, 3,071.4) | 0.087658 (0.0602117, 0.1224256) |
| Maluku Utara | Ischemic heart disease                        | 45  | 771.1 (454.8, 1,143.1)   | 0.028253 (0.0166659, 0.0418822) | 1,161.9 (680.7, 1,836.3)   | 0.046313 (0.0271323, 0.0731950) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 45  | 190.5 (75.4, 382.2)      | 0.006979 (0.0027626, 0.0140056) | 483.6 (197.4, 967.7)       | 0.019277 (0.0078687, 0.0385714) |
| Maluku Utara | Diabetes mellitus                             | 45  | 360.3 (203.2, 589.5)     | 0.013200 (0.0074444, 0.0215999) | 1,096.6 (626.4, 1,746.9)   | 0.043710 (0.0249674, 0.0696322) |
| Maluku Utara | Chronic kidney disease                        | 45  | 259.7 (139.3, 421.2)     | 0.009517 (0.0051045, 0.0154322) | 495.0 (255.7, 833.7)       | 0.019732 (0.0101914, 0.0332326) |
| Maluku Utara | Cirrhosis                                     | 45  | 395.1 (231.9, 636.5)     | 0.014476 (0.0084980, 0.0233228) | 583.3 (336.4, 961.7)       | 0.023250 (0.0134073, 0.0383339) |
| Maluku Utara | Chronic respiratory diseases                  | 45  | 382.2 (185.4, 650.3)     | 0.014004 (0.0067923, 0.0238269) | 565.6 (253.8, 975.8)       | 0.022543 (0.0101162, 0.0388935) |
| Maluku Utara | Other non-communicable diseases               | 45  | 531.8 (329.3, 806.0)     | 0.019485 (0.0120671, 0.0295327) | 1,208.2 (780.4, 1,807.1)   | 0.048159 (0.0311045, 0.0720289) |
| Maluku Utara | Drowning                                      | 45  | 27.6 (6.9, 75.3)         | 0.001011 (0.0002522, 0.0027593) | 39.5 (9.7, 101.2)          | 0.001575 (0.0003859, 0.0040345) |
| Maluku Utara | Falls                                         | 45  | 86.2 (28.9, 198.8)       | 0.003158 (0.0010576, 0.0072826) | 135.9 (45.6, 295.6)        | 0.005419 (0.0018174, 0.0117813) |
| Maluku Utara | Interpersonal violence                        | 45  | 30.3 (10.9, 65.1)        | 0.001109 (0.0004004, 0.0023864) | 42.0 (15.1, 88.0)          | 0.001673 (0.0006026, 0.0035072) |
| Maluku Utara | Self-harm                                     | 45  | 52.6 (20.3, 109.6)       | 0.001926 (0.0007448, 0.0040163) | 56.5 (20.1, 131.2)         | 0.002254 (0.0008018, 0.0052311) |
| Maluku Utara | Transport injuries                            | 45  | 305.9 (143.0, 573.9)     | 0.011210 (0.0052404, 0.0210265) | 306.8 (125.7, 619.8)       | 0.012230 (0.0050110, 0.0247042) |
| Maluku Utara | Other unintentional injuries                  | 45  | 134.7 (56.9, 264.8)      | 0.004937 (0.0020836, 0.0097026) | 143.1 (57.7, 282.4)        | 0.005705 (0.0022997, 0.0112583) |
| Maluku Utara | Diarrheal diseases                            | 50  | 88.8 (24.3, 195.7)       | 0.003972 (0.0010875, 0.0087571) | 293.8 (97.3, 569.1)        | 0.014302 (0.0047378, 0.0277051) |
| Maluku Utara | HIV/AIDS                                      | 50  | 8.9 (1.1, 31.4)          | 0.000398 (0.0000488, 0.0014055) | 19.0 (2.7, 61.9)           | 0.000924 (0.0001325, 0.0030126) |
| Maluku Utara | Lower respiratory infections                  | 50  | 73.5 (23.3, 167.6)       | 0.003287 (0.0010416, 0.0074957) | 168.6 (55.0, 378.0)        | 0.008209 (0.0026782, 0.0184013) |
| Maluku Utara | Malaria                                       | 50  | 85.9 (16.8, 238.5)       | 0.003842 (0.0007505, 0.0106679) | 147.0 (26.0, 453.4)        | 0.007155 (0.0012640, 0.0220686) |
| Maluku Utara | Tuberculosis                                  | 50  | 668.1 (351.8, 1,026.0)   | 0.029890 (0.0157367, 0.0459006) | 1,015.1 (509.5, 1,671.0)   | 0.049413 (0.0248025, 0.0813414) |
| Maluku Utara | Maternal disorders                            | 50  |                          |                                 | 8.2 (1.9, 23.0)            | 0.000401 (0.0000945, 0.0011181) |
| Maluku Utara | Other communicable diseases                   | 50  | 111.5 (30.0, 227.4)      | 0.004988 (0.0013423, 0.0101747) | 286.2 (94.8, 542.0)        | 0.013934 (0.0046133, 0.0263825) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 50  | 44.7 (11.2, 125.6)       | 0.001999 (0.0004992, 0.0056178) | 40.6 (10.6, 103.1)         | 0.001976 (0.0005138, 0.0050178) |
| Maluku Utara | Breast cancer                                 | 50  | 8.7 (2.2, 24.5)          | 0.000390 (0.0000988, 0.0010983) | 640.8 (267.9, 1,168.2)     | 0.031195 (0.0130386, 0.0568677) |
| Maluku Utara | Cervical cancer                               | 50  |                          |                                 | 253.5 (58.0, 651.1)        | 0.012339 (0.0028211, 0.0316942) |
| Maluku Utara | Other malignant neoplasms                     | 50  | 383.1 (183.3, 693.1)     | 0.017139 (0.0082004, 0.0310069) | 444.2 (159.7, 880.8)       | 0.021624 (0.0077739, 0.0428761) |
| Maluku Utara | Cerebrovascular disease                       | 50  | 1,199.3 (799.0, 1,708.2) | 0.053651 (0.0357435, 0.0764204) | 2,688.9 (1,913.4, 3,634.1) | 0.130892 (0.0931406, 0.1769047) |
| Maluku Utara | Ischemic heart disease                        | 50  | 838.5 (488.6, 1,263.1)   | 0.037511 (0.0218585, 0.0565087) | 1,233.3 (728.6, 1,938.9)   | 0.060034 (0.0354656, 0.0943818) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 50  | 248.7 (99.6, 484.5)      | 0.011125 (0.0044565, 0.0216749) | 579.6 (234.7, 1,126.1)     | 0.028212 (0.0114231, 0.0548166) |
| Maluku Utara | Diabetes mellitus                             | 50  | 460.9 (267.1, 746.0)     | 0.020621 (0.0119493, 0.0333750) | 1,311.6 (765.3, 2,072.7)   | 0.063847 (0.0372558, 0.1008968) |
| Maluku Utara | Chronic kidney disease                        | 50  | 260.7 (139.2, 422.6)     | 0.011661 (0.0062276, 0.0189045) | 465.1 (245.3, 775.9)       | 0.022640 (0.0119397, 0.0377696) |
| Maluku Utara | Cirrhosis                                     | 50  | 403.8 (231.9, 658.7)     | 0.018065 (0.0103759, 0.0294696) | 563.9 (326.9, 919.9)       | 0.027450 (0.0159134, 0.0447782) |
| Maluku Utara | Chronic respiratory diseases                  | 50  | 512.7 (256.2, 858.1)     | 0.022936 (0.0114632, 0.0383895) | 695.5 (338.9, 1,156.0)     | 0.033857 (0.0164988, 0.0562730) |
| Maluku Utara | Other non-communicable diseases               | 50  | 550.6 (342.2, 835.0)     | 0.024631 (0.0153081, 0.0373570) | 1,169.6 (749.1, 1,725.0)   | 0.056935 (0.0364635, 0.0839723) |
| Maluku Utara | Drowning                                      | 50  | 19.5 (4.6, 53.7)         | 0.000872 (0.0002078, 0.0024008) | 26.4 (6.2, 66.5)           | 0.001284 (0.0003028, 0.0032369) |
| Maluku Utara | Falls                                         | 50  | 93.8 (32.8, 207.3)       | 0.004198 (0.0014669, 0.0092752) | 137.7 (51.0, 297.4)        | 0.006703 (0.0024849, 0.0144770) |
| Maluku Utara | Interpersonal violence                        | 50  | 21.8 (7.7, 49.5)         | 0.000976 (0.0003457, 0.0022125) | 27.5 (10.1, 61.1)          | 0.001338 (0.0004917, 0.0029766) |
| Maluku Utara | Self-harm                                     | 50  | 41.8 (15.4, 86.6)        | 0.001870 (0.0006877, 0.0038750) | 40.6 (14.3, 92.7)          | 0.001976 (0.0006950, 0.0045143) |
| Maluku Utara | Transport injuries                            | 50  | 229.4 (98.1, 443.3)      | 0.010263 (0.0043874, 0.0198312) | 211.4 (83.4, 436.5)        | 0.010292 (0.0040604, 0.0212501) |
| Maluku Utara | Other unintentional injuries                  | 50  | 103.8 (42.1, 203.4)      | 0.004644 (0.0018823, 0.0090975) | 100.9 (41.9, 199.7)        | 0.004911 (0.0020388, 0.0097197) |
| Maluku Utara | Diarrheal diseases                            | 55  | 80.0 (22.7, 174.9)       | 0.005061 (0.0014388, 0.0110671) | 255.6 (90.9, 491.4)        | 0.018067 (0.0064266, 0.0347378) |
| Maluku Utara | HIV/AIDS                                      | 55  | 3.2 (0.3, 11.8)          | 0.000202 (0.0000221, 0.0007436) | 6.6 (0.8, 23.1)            | 0.000467 (0.0000581, 0.0016297) |
| Maluku Utara | Lower respiratory infections                  | 55  | 64.5 (20.0, 147.6)       | 0.004079 (0.0012686, 0.0093394) | 143.2 (46.9, 321.2)        | 0.010125 (0.0033153, 0.0227079) |
| Maluku Utara | Malaria                                       | 55  | 73.1 (13.9, 213.9)       | 0.004625 (0.0008815, 0.0135333) | 120.3 (20.8, 362.2)        | 0.008507 (0.0014686, 0.0256003) |
| Maluku Utara | Tuberculosis                                  | 55  | 522.3 (269.9, 808.7)     | 0.033050 (0.0170781, 0.0511698) | 764.1 (377.1, 1,277.0)     | 0.054015 (0.0266537, 0.0902639) |
| Maluku Utara | Other communicable diseases                   | 55  | 87.4 (24.6, 184.3)       | 0.005529 (0.0015596, 0.0116584) | 216.8 (74.4, 419.3)        | 0.015325 (0.0052556, 0.0296380) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 55  | 44.8 (11.8, 120.3)       | 0.002836 (0.0007439, 0.0076140) | 29.7 (7.6, 74.7)           | 0.002098 (0.0005398, 0.0052814) |
| Maluku Utara | Breast cancer                                 | 55  | 6.7 (1.6, 18.3)          | 0.000427 (0.0001012, 0.0011580) | 412.8 (166.1, 770.1)       | 0.029177 (0.0117385, 0.0544364) |
| Maluku Utara | Cervical cancer                               | 55  |                          |                                 | 157.9 (35.7, 410.4)        | 0.011163 (0.0025214, 0.0290092) |
| Maluku Utara | Other malignant neoplasms                     | 55  | 253.3 (118.9, 474.8)     | 0.016025 (0.0075240, 0.0300396) | 321.0 (111.8, 650.4)       | 0.022691 (0.0079049, 0.0459746) |
| Maluku Utara | Cerebrovascular disease                       | 55  | 1,231.0 (829.1, 1,717.7) | 0.077890 (0.0524609, 0.1086828) | 2,681.5 (1,933.0, 3,527.0) | 0.189548 (0.1366344, 0.2493087) |
| Maluku Utara | Ischemic heart disease                        | 55  | 854.0 (505.7, 1,249.6)   | 0.054034 (0.0319953, 0.0790671) | 1,220.5 (733.2, 1,891.4)   | 0.086273 (0.0518308, 0.1336949) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 55  | 247.2 (100.3, 484.1)     | 0.015644 (0.0063467, 0.0306315) | 563.7 (229.7, 1,117.5)     | 0.039843 (0.0162347, 0.0789897) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                    |                                 | Females                    |                                 |
|--------------|-----------------------------------------------|-----|--------------------------|---------------------------------|----------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku Utara | Diabetes mellitus                             | 55  | 431.4 (252.4, 702.2)     | 0.027294 (0.0159673, 0.0444333) | 1,196.9 (705.0, 1,906.3)   | 0.084602 (0.0498372, 0.1347505) |
| Maluku Utara | Chronic kidney disease                        | 55  | 223.5 (120.3, 363.9)     | 0.014143 (0.0076148, 0.0230255) | 389.4 (206.7, 649.8)       | 0.027528 (0.0146133, 0.0459319) |
| Maluku Utara | Cirrhosis                                     | 55  | 316.1 (180.4, 514.8)     | 0.019998 (0.0114151, 0.0325745) | 430.7 (249.8, 712.2)       | 0.030448 (0.0176576, 0.0503441) |
| Maluku Utara | Chronic respiratory diseases                  | 55  | 478.2 (246.0, 785.3)     | 0.030256 (0.0155628, 0.0496879) | 641.6 (325.7, 1,034.2)     | 0.045350 (0.0230225, 0.0731013) |
| Maluku Utara | Other non-communicable diseases               | 55  | 502.0 (313.0, 756.1)     | 0.031761 (0.0198047, 0.0478434) | 1,042.8 (658.6, 1,542.0)   | 0.073710 (0.0465511, 0.1089968) |
| Maluku Utara | Drowning                                      | 55  | 11.2 (2.5, 30.6)         | 0.000708 (0.0001576, 0.0019388) | 14.2 (3.2, 37.6)           | 0.001007 (0.0002252, 0.0026582) |
| Maluku Utara | Falls                                         | 55  | 80.7 (32.2, 179.1)       | 0.005104 (0.0020398, 0.0113313) | 111.1 (45.1, 243.0)        | 0.007851 (0.0031874, 0.0171762) |
| Maluku Utara | Interpersonal violence                        | 55  | 14.4 (4.8, 33.6)         | 0.000910 (0.0003015, 0.0021290) | 16.8 (5.9, 37.7)           | 0.001188 (0.0004183, 0.0026649) |
| Maluku Utara | Self-harm                                     | 55  | 31.7 (11.3, 67.6)        | 0.002004 (0.0007145, 0.0042774) | 28.6 (9.9, 67.5)           | 0.002024 (0.0006979, 0.0047735) |
| Maluku Utara | Transport injuries                            | 55  | 125.8 (52.3, 263.3)      | 0.007960 (0.0033074, 0.0166590) | 108.2 (40.8, 236.1)        | 0.007645 (0.0028845, 0.0166925) |
| Maluku Utara | Other unintentional injuries                  | 55  | 69.6 (29.1, 141.4)       | 0.004406 (0.0018419, 0.0089464) | 63.3 (26.0, 130.2)         | 0.004473 (0.0018378, 0.0092058) |
| Maluku Utara | Diarrheal diseases                            | 60  | 90.7 (25.9, 199.4)       | 0.008084 (0.0023131, 0.0177731) | 251.3 (91.3, 489.0)        | 0.024846 (0.0090253, 0.0483469) |
| Maluku Utara | HIV/AIDS                                      | 60  | 2.2 (0.2, 7.7)           | 0.000196 (0.0000207, 0.0006838) | 4.0 (0.5, 13.5)            | 0.000391 (0.0000456, 0.0013395) |
| Maluku Utara | Lower respiratory infections                  | 60  | 88.2 (28.5, 193.3)       | 0.007862 (0.0025395, 0.0172356) | 181.8 (60.7, 387.8)        | 0.017980 (0.0060019, 0.0383439) |
| Maluku Utara | Malaria                                       | 60  | 73.2 (13.7, 209.4)       | 0.006528 (0.0012225, 0.0186716) | 100.0 (16.6, 305.7)        | 0.009888 (0.0016366, 0.0302283) |
| Maluku Utara | Tuberculosis                                  | 60  | 585.7 (307.1, 903.0)     | 0.052215 (0.0273796, 0.0805053) | 758.7 (372.5, 1,224.3)     | 0.075020 (0.0368286, 0.1210475) |
| Maluku Utara | Other communicable diseases                   | 60  | 72.3 (20.1, 157.0)       | 0.006448 (0.0017885, 0.0139933) | 158.9 (52.8, 312.4)        | 0.015708 (0.0052228, 0.0308924) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 60  | 40.9 (10.9, 108.1)       | 0.003648 (0.0009713, 0.0096360) | 22.6 (6.1, 57.7)           | 0.002239 (0.0006053, 0.0057014) |
| Maluku Utara | Breast cancer                                 | 60  | 5.6 (1.2, 16.1)          | 0.000501 (0.0001086, 0.0014369) | 237.1 (91.0, 460.4)        | 0.023439 (0.0089994, 0.0455237) |
| Maluku Utara | Cervical cancer                               | 60  |                          |                                 | 117.4 (26.7, 311.2)        | 0.011605 (0.0026406, 0.0307684) |
| Maluku Utara | Other malignant neoplasms                     | 60  | 230.0 (109.6, 431.0)     | 0.020507 (0.0097744, 0.0384233) | 259.2 (98.7, 503.5)        | 0.025631 (0.0097567, 0.0497875) |
| Maluku Utara | Cerebrovascular disease                       | 60  | 1,332.1 (913.7, 1,840.9) | 0.118756 (0.0814605, 0.1641147) | 2,580.0 (1,900.4, 3,376.0) | 0.255091 (0.1878966, 0.3338010) |
| Maluku Utara | Ischemic heart disease                        | 60  | 808.9 (479.9, 1,194.6)   | 0.072116 (0.0427798, 0.1064951) | 1,081.6 (664.9, 1,676.2)   | 0.106938 (0.0657411, 0.1657270) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 60  | 268.0 (111.1, 507.0)     | 0.023895 (0.0099081, 0.0451955) | 514.4 (209.7, 1,006.4)     | 0.050858 (0.0207306, 0.0995065) |
| Maluku Utara | Diabetes mellitus                             | 60  | 375.9 (217.0, 616.4)     | 0.033511 (0.0193441, 0.0549490) | 910.4 (543.8, 1,446.3)     | 0.090010 (0.0537638, 0.1429980) |
| Maluku Utara | Chronic kidney disease                        | 60  | 199.1 (106.9, 325.6)     | 0.017746 (0.0095277, 0.0290300) | 297.0 (158.8, 494.5)       | 0.029370 (0.0156985, 0.0488970) |
| Maluku Utara | Cirrhosis                                     | 60  | 271.6 (156.0, 444.1)     | 0.024214 (0.0139044, 0.0395941) | 330.3 (188.4, 535.1)       | 0.032659 (0.0186297, 0.0529062) |
| Maluku Utara | Chronic respiratory diseases                  | 60  | 649.0 (355.1, 1,020.9)   | 0.057862 (0.0316577, 0.0910155) | 726.7 (382.5, 1,132.9)     | 0.071854 (0.0378153, 0.1120087) |
| Maluku Utara | Other non-communicable diseases               | 60  | 554.0 (353.4, 814.3)     | 0.049391 (0.0315062, 0.0725991) | 999.1 (662.0, 1,447.6)     | 0.098786 (0.0654558, 0.1431269) |
| Maluku Utara | Drowning                                      | 60  | 9.0 (2.1, 25.1)          | 0.000802 (0.0001829, 0.0022408) | 11.1 (2.4, 32.1)           | 0.001096 (0.0002400, 0.0031771) |
| Maluku Utara | Falls                                         | 60  | 70.8 (26.9, 160.3)       | 0.006312 (0.0023946, 0.0142900) | 90.4 (36.5, 193.9)         | 0.008935 (0.0036095, 0.0191753) |
| Maluku Utara | Interpersonal violence                        | 60  | 9.6 (3.3, 22.0)          | 0.000854 (0.0002936, 0.0019596) | 9.4 (3.3, 21.7)            | 0.000931 (0.0003290, 0.0021501) |
| Maluku Utara | Self-harm                                     | 60  | 23.7 (8.4, 51.2)         | 0.002116 (0.0007523, 0.0045662) | 17.8 (5.8, 43.1)           | 0.001755 (0.0005756, 0.0042656) |
| Maluku Utara | Transport injuries                            | 60  | 107.1 (41.7, 224.0)      | 0.009546 (0.0037183, 0.0199731) | 83.2 (29.5, 181.9)         | 0.008223 (0.0029127, 0.0179862) |
| Maluku Utara | Other unintentional injuries                  | 60  | 56.4 (22.6, 117.3)       | 0.005032 (0.0020154, 0.0104535) | 45.1 (17.1, 94.7)          | 0.004456 (0.0016940, 0.0093593) |
| Maluku Utara | Diarrheal diseases                            | 65  | 106.0 (35.4, 208.8)      | 0.015844 (0.0052854, 0.0312085) | 336.8 (147.2, 587.8)       | 0.049270 (0.0215337, 0.0859955) |
| Maluku Utara | HIV/AIDS                                      | 65  | 1.4 (0.2, 5.0)           | 0.000215 (0.0000249, 0.0007453) | 3.0 (0.4, 10.6)            | 0.000435 (0.0000558, 0.0015526) |
| Maluku Utara | Lower respiratory infections                  | 65  | 73.3 (24.7, 162.3)       | 0.010963 (0.0036959, 0.0242613) | 182.5 (66.3, 379.0)        | 0.026700 (0.0097042, 0.0554538) |
| Maluku Utara | Malaria                                       | 65  | 53.3 (9.7, 157.6)        | 0.007961 (0.0014442, 0.0235584) | 77.4 (12.0, 253.4)         | 0.011319 (0.0017554, 0.0370777) |
| Maluku Utara | Tuberculosis                                  | 65  | 415.4 (214.6, 634.6)     | 0.062089 (0.0320696, 0.0948575) | 597.0 (285.9, 978.0)       | 0.087339 (0.0418301, 0.1430733) |
| Maluku Utara | Other communicable diseases                   | 65  | 51.2 (16.0, 110.4)       | 0.007651 (0.0023855, 0.0164950) | 132.9 (49.8, 258.3)        | 0.019438 (0.0072924, 0.0377864) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 65  | 24.5 (6.6, 67.7)         | 0.003667 (0.0009875, 0.0101157) | 13.7 (3.5, 35.0)           | 0.002007 (0.0005136, 0.0051257) |
| Maluku Utara | Breast cancer                                 | 65  | 2.7 (0.5, 8.0)           | 0.000401 (0.0000785, 0.0011960) | 122.4 (44.4, 250.6)        | 0.017900 (0.0064926, 0.0366606) |
| Maluku Utara | Cervical cancer                               | 65  |                          |                                 | 71.8 (16.4, 194.5)         | 0.010506 (0.0023979, 0.0284521) |
| Maluku Utara | Other malignant neoplasms                     | 65  | 121.2 (57.6, 229.2)      | 0.018118 (0.0086082, 0.0342612) | 186.8 (72.3, 358.1)        | 0.027332 (0.0105720, 0.0523863) |
| Maluku Utara | Cerebrovascular disease                       | 65  | 971.6 (676.2, 1,324.3)   | 0.145228 (0.1010726, 0.1979409) | 2,246.8 (1,667.7, 2,911.6) | 0.328699 (0.2439821, 0.4259656) |
| Maluku Utara | Ischemic heart disease                        | 65  | 543.7 (322.5, 808.2)     | 0.081270 (0.0482088, 0.1208033) | 841.4 (508.4, 1,302.4)     | 0.123090 (0.0743770, 0.1905422) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 65  | 202.5 (84.0, 387.1)      | 0.030267 (0.0125486, 0.0578629) | 454.0 (192.2, 861.2)       | 0.066426 (0.0281127, 0.1259868) |
| Maluku Utara | Diabetes mellitus                             | 65  | 207.0 (116.5, 348.3)     | 0.030939 (0.0174207, 0.0520685) | 592.6 (345.5, 959.8)       | 0.086701 (0.0505495, 0.1404139) |
| Maluku Utara | Chronic kidney disease                        | 65  | 126.3 (66.1, 206.4)      | 0.018885 (0.0098855, 0.0308474) | 217.1 (116.9, 361.3)       | 0.031763 (0.0171092, 0.0528520) |
| Maluku Utara | Cirrhosis                                     | 65  | 150.2 (85.1, 247.7)      | 0.022445 (0.0127187, 0.0370210) | 223.3 (126.8, 368.8)       | 0.032666 (0.0185529, 0.0539500) |
| Maluku Utara | Chronic respiratory diseases                  | 65  | 487.2 (269.3, 758.5)     | 0.072822 (0.0402488, 0.1133768) | 643.5 (349.1, 991.4)       | 0.094147 (0.0510661, 0.1450420) |

Aim 2 Supplementary Tables

| Location     | Cause group                                   | Age | Males                  |                                 | Females                    |                                 |
|--------------|-----------------------------------------------|-----|------------------------|---------------------------------|----------------------------|---------------------------------|
|              |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)              | YLLs per capita (95% UI)        |
| Maluku Utara | Other non-communicable diseases               | 65  | 429.5 (272.4, 620.8)   | 0.064198 (0.0407230, 0.0927985) | 916.2 (614.0, 1,310.9)     | 0.134046 (0.0898310, 0.1917846) |
| Maluku Utara | Drowning                                      | 65  | 5.5 (1.2, 16.5)        | 0.000815 (0.0001858, 0.0024650) | 8.9 (2.0, 28.1)            | 0.001307 (0.0002915, 0.0041106) |
| Maluku Utara | Falls                                         | 65  | 52.8 (19.5, 114.2)     | 0.007890 (0.0029096, 0.0170658) | 85.0 (33.9, 176.5)         | 0.012433 (0.0049652, 0.0258270) |
| Maluku Utara | Interpersonal violence                        | 65  | 4.9 (1.5, 11.9)        | 0.000729 (0.0002281, 0.0017819) | 5.3 (1.7, 13.0)            | 0.000770 (0.0002484, 0.0018976) |
| Maluku Utara | Self-harm                                     | 65  | 13.7 (4.7, 31.5)       | 0.002044 (0.0006990, 0.0047147) | 10.9 (3.6, 27.7)           | 0.001600 (0.0005282, 0.0040591) |
| Maluku Utara | Transport injuries                            | 65  | 62.2 (24.1, 133.4)     | 0.009295 (0.0036037, 0.0199429) | 58.7 (20.4, 137.5)         | 0.008590 (0.0029882, 0.0201179) |
| Maluku Utara | Other unintentional injuries                  | 65  | 35.1 (14.2, 75.4)      | 0.005241 (0.0021167, 0.0112634) | 32.7 (12.1, 70.8)          | 0.004787 (0.0017675, 0.0103639) |
| Maluku Utara | Diarrheal diseases                            | 70  | 151.5 (59.0, 281.3)    | 0.031375 (0.0122276, 0.0582530) | 392.1 (183.8, 674.6)       | 0.078908 (0.0369945, 0.1357706) |
| Maluku Utara | HIV/AIDS                                      | 70  | 1.8 (0.2, 6.3)         | 0.000371 (0.0000411, 0.0013034) | 3.5 (0.4, 12.5)            | 0.000698 (0.0000831, 0.0025225) |
| Maluku Utara | Lower respiratory infections                  | 70  | 91.5 (31.7, 198.3)     | 0.018959 (0.0065738, 0.0410592) | 201.2 (74.1, 404.8)        | 0.040496 (0.0149174, 0.0814605) |
| Maluku Utara | Malaria                                       | 70  | 48.1 (7.3, 151.0)      | 0.009958 (0.0015143, 0.0312722) | 64.2 (9.6, 210.7)          | 0.012930 (0.0019247, 0.0423963) |
| Maluku Utara | Tuberculosis                                  | 70  | 382.1 (189.9, 594.5)   | 0.079145 (0.0393285, 0.1231275) | 568.4 (276.6, 930.4)       | 0.114398 (0.0556611, 0.1872401) |
| Maluku Utara | Other communicable diseases                   | 70  | 56.6 (19.6, 114.2)     | 0.011722 (0.0040624, 0.0236589) | 114.9 (43.6, 223.3)        | 0.023134 (0.0087646, 0.0449468) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 70  | 15.9 (4.1, 43.3)       | 0.003291 (0.0008389, 0.0089666) | 10.3 (2.5, 26.2)           | 0.002073 (0.0005106, 0.0052812) |
| Maluku Utara | Breast cancer                                 | 70  | 1.6 (0.3, 5.2)         | 0.000342 (0.0000544, 0.0010709) | 70.0 (23.1, 145.1)         | 0.014084 (0.0046573, 0.0291941) |
| Maluku Utara | Cervical cancer                               | 70  |                        |                                 | 37.4 (7.3, 104.5)          | 0.007526 (0.0014771, 0.0210356) |
| Maluku Utara | Other malignant neoplasms                     | 70  | 82.8 (38.5, 152.6)     | 0.017150 (0.0079793, 0.0316139) | 135.9 (54.4, 254.1)        | 0.027360 (0.0109405, 0.0511354) |
| Maluku Utara | Cerebrovascular disease                       | 70  | 901.1 (618.9, 1,227.3) | 0.186630 (0.1281752, 0.2541821) | 2,056.3 (1,512.5, 2,670.1) | 0.413846 (0.3043953, 0.5373728) |
| Maluku Utara | Ischemic heart disease                        | 70  | 454.8 (259.5, 691.5)   | 0.094199 (0.0537535, 0.1432202) | 773.8 (466.1, 1,192.4)     | 0.155720 (0.0938136, 0.2399817) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 70  | 197.1 (80.5, 369.8)    | 0.040819 (0.0166800, 0.0765965) | 441.7 (186.3, 847.9)       | 0.088893 (0.0374836, 0.1706365) |
| Maluku Utara | Diabetes mellitus                             | 70  | 135.9 (76.0, 228.0)    | 0.028152 (0.0157422, 0.0472123) | 403.0 (230.7, 655.7)       | 0.081110 (0.0464276, 0.1319641) |
| Maluku Utara | Chronic kidney disease                        | 70  | 95.4 (50.0, 154.1)     | 0.019767 (0.0103459, 0.0319047) | 174.2 (92.5, 285.8)        | 0.035056 (0.0186162, 0.0575180) |
| Maluku Utara | Cirrhosis                                     | 70  | 116.7 (64.4, 188.0)    | 0.024161 (0.0133460, 0.0389411) | 165.2 (95.7, 265.4)        | 0.033243 (0.0192614, 0.0534082) |
| Maluku Utara | Chronic respiratory diseases                  | 70  | 528.9 (313.5, 792.0)   | 0.109534 (0.0649258, 0.1640307) | 693.5 (389.0, 1,038.7)     | 0.139569 (0.0782917, 0.2090417) |
| Maluku Utara | Other non-communicable diseases               | 70  | 424.7 (274.8, 608.2)   | 0.087957 (0.0569181, 0.1259680) | 899.5 (612.0, 1,257.9)     | 0.181023 (0.1231581, 0.2531641) |
| Maluku Utara | Drowning                                      | 70  | 9.1 (2.2, 25.0)        | 0.001875 (0.0004554, 0.0051720) | 11.0 (2.6, 29.2)           | 0.002212 (0.0005299, 0.0058695) |
| Maluku Utara | Falls                                         | 70  | 56.1 (22.2, 120.8)     | 0.011628 (0.0045945, 0.0250096) | 73.5 (30.4, 156.0)         | 0.014799 (0.0061207, 0.0313932) |
| Maluku Utara | Interpersonal violence                        | 70  | 2.9 (0.9, 7.4)         | 0.000607 (0.0001859, 0.0015416) | 3.3 (1.0, 8.7)             | 0.000666 (0.0002045, 0.0017463) |
| Maluku Utara | Self-harm                                     | 70  | 9.5 (3.2, 21.7)        | 0.001965 (0.0006714, 0.0045005) | 8.3 (2.7, 21.3)            | 0.001662 (0.0005386, 0.0042925) |
| Maluku Utara | Transport injuries                            | 70  | 55.0 (21.1, 114.9)     | 0.011386 (0.0043610, 0.0238051) | 45.1 (15.4, 104.7)         | 0.009075 (0.0031035, 0.0210774) |
| Maluku Utara | Other unintentional injuries                  | 70  | 30.5 (12.6, 63.8)      | 0.006314 (0.0026008, 0.0132229) | 26.5 (10.2, 58.8)          | 0.005341 (0.0020437, 0.0118364) |
| Maluku Utara | Diarrheal diseases                            | 75  | 92.9 (37.9, 164.3)     | 0.041411 (0.0168985, 0.0732401) | 299.7 (145.6, 492.6)       | 0.106334 (0.0516438, 0.1747602) |
| Maluku Utara | HIV/AIDS                                      | 75  | 0.7 (0.1, 2.5)         | 0.000319 (0.0000330, 0.0011176) | 1.8 (0.2, 6.2)             | 0.000623 (0.0000734, 0.0021974) |
| Maluku Utara | Lower respiratory infections                  | 75  | 49.7 (18.1, 103.9)     | 0.022141 (0.0080850, 0.0463045) | 137.6 (51.6, 265.5)        | 0.048831 (0.0183117, 0.0942063) |
| Maluku Utara | Malaria                                       | 75  | 24.8 (3.7, 76.4)       | 0.011074 (0.0016293, 0.0340630) | 41.8 (5.7, 144.3)          | 0.014845 (0.0020389, 0.0512000) |
| Maluku Utara | Tuberculosis                                  | 75  | 164.1 (76.8, 260.3)    | 0.073154 (0.0342528, 0.1160520) | 311.4 (143.4, 524.6)       | 0.110468 (0.0508722, 0.1860993) |
| Maluku Utara | Other communicable diseases                   | 75  | 28.5 (10.0, 57.2)      | 0.012693 (0.0044421, 0.0255159) | 72.0 (27.2, 144.3)         | 0.025537 (0.0096500, 0.0511866) |
| Maluku Utara | Tracheal, bronchus, and lung cancer           | 75  | 6.6 (1.7, 17.2)        | 0.002954 (0.0007735, 0.0076863) | 5.0 (1.3, 13.1)            | 0.001769 (0.0004590, 0.0046453) |
| Maluku Utara | Breast cancer                                 | 75  | 0.5 (0.1, 1.5)         | 0.000221 (0.0000332, 0.0006865) | 29.3 (9.4, 65.0)           | 0.010379 (0.0033353, 0.0230441) |
| Maluku Utara | Cervical cancer                               | 75  |                        |                                 | 15.8 (2.9, 48.2)           | 0.005613 (0.0010272, 0.0171038) |
| Maluku Utara | Other malignant neoplasms                     | 75  | 31.3 (14.2, 58.5)      | 0.013942 (0.0063149, 0.0260679) | 74.8 (30.8, 141.5)         | 0.026521 (0.0109107, 0.0502129) |
| Maluku Utara | Cerebrovascular disease                       | 75  | 448.2 (307.5, 606.9)   | 0.199781 (0.1370570, 0.2705198) | 1,341.4 (1,005.4, 1,722.6) | 0.475892 (0.3566933, 0.6111503) |
| Maluku Utara | Ischemic heart disease                        | 75  | 241.1 (135.8, 371.2)   | 0.107459 (0.0605536, 0.1654856) | 542.5 (325.3, 826.9)       | 0.192462 (0.1154213, 0.2933495) |
| Maluku Utara | Other cardiovascular and circulatory diseases | 75  | 99.9 (41.0, 190.3)     | 0.044549 (0.0182904, 0.0848452) | 293.7 (124.9, 562.1)       | 0.104184 (0.0443150, 0.1994319) |
| Maluku Utara | Diabetes mellitus                             | 75  | 55.9 (31.3, 96.2)      | 0.024938 (0.0139406, 0.0428674) | 218.9 (125.1, 355.6)       | 0.077658 (0.0443928, 0.1261561) |
| Maluku Utara | Chronic kidney disease                        | 75  | 41.7 (22.0, 66.9)      | 0.018573 (0.0098213, 0.0298185) | 100.2 (53.8, 164.3)        | 0.035535 (0.0190918, 0.0582907) |
| Maluku Utara | Cirrhosis                                     | 75  | 51.3 (28.6, 85.5)      | 0.022859 (0.0127576, 0.0381111) | 94.7 (55.2, 153.7)         | 0.033613 (0.0195719, 0.0545230) |
| Maluku Utara | Chronic respiratory diseases                  | 75  | 258.4 (153.5, 386.8)   | 0.115206 (0.0684246, 0.1724455) | 440.8 (246.6, 652.8)       | 0.156391 (0.0874715, 0.2315955) |
| Maluku Utara | Other non-communicable diseases               | 75  | 240.6 (155.7, 344.1)   | 0.107239 (0.0694109, 0.1533833) | 667.1 (457.5, 925.5)       | 0.236660 (0.1623093, 0.3283366) |
| Maluku Utara | Drowning                                      | 75  | 6.5 (1.7, 16.7)        | 0.002881 (0.0007363, 0.0074380) | 9.6 (2.4, 25.2)            | 0.003398 (0.0008667, 0.0089440) |
| Maluku Utara | Falls                                         | 75  | 33.5 (13.6, 71.4)      | 0.014924 (0.0060532, 0.0318236) | 54.1 (22.6, 114.6)         | 0.019204 (0.0080164, 0.0406626) |
| Maluku Utara | Interpersonal violence                        | 75  | 1.1 (0.3, 2.8)         | 0.000470 (0.0001206, 0.0012562) | 1.5 (0.4, 4.6)             | 0.000530 (0.0001271, 0.0016461) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                       |                                 | Females                       |                                 |
|--------------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-------------------------------|---------------------------------|
|              |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)                 | YLLs per capita (95% UI)        |
| Maluku Utara | Self-harm                                                | 75  | 4.1 (1.3, 9.7)              | 0.001829 (0.0005838, 0.0043371) | 4.5 (1.3, 11.4)               | 0.001600 (0.0004735, 0.0040486) |
| Maluku Utara | Transport injuries                                       | 75  | 20.2 (7.2, 44.4)            | 0.008996 (0.0032007, 0.0198071) | 20.5 (6.7, 48.9)              | 0.007262 (0.0023737, 0.0173525) |
| Maluku Utara | Other unintentional injuries                             | 75  | 14.0 (5.5, 30.1)            | 0.006258 (0.0024496, 0.0134114) | 15.3 (5.7, 35.0)              | 0.005414 (0.0020250, 0.0124342) |
| Maluku Utara | Diarrheal diseases                                       | 80  | 185.7 (92.8, 301.0)         | 0.107059 (0.0534657, 0.1734998) | 478.9 (277.7, 711.6)          | 0.235101 (0.1363315, 0.3493343) |
| Maluku Utara | HIV/AIDS                                                 | 80  | 0.9 (0.1, 3.5)              | 0.000507 (0.0000478, 0.0020168) | 1.6 (0.2, 6.4)                | 0.000804 (0.0000855, 0.0031383) |
| Maluku Utara | Lower respiratory infections                             | 80  | 69.8 (26.6, 141.0)          | 0.040229 (0.0153034, 0.0812807) | 169.2 (67.7, 312.8)           | 0.083049 (0.0332487, 0.1535827) |
| Maluku Utara | Malaria                                                  | 80  | 33.5 (4.7, 111.7)           | 0.019298 (0.0027081, 0.0643665) | 37.1 (4.7, 140.9)             | 0.018192 (0.0023076, 0.0691593) |
| Maluku Utara | Tuberculosis                                             | 80  | 183.1 (82.8, 298.6)         | 0.105552 (0.0476990, 0.1721267) | 246.2 (104.4, 431.6)          | 0.120847 (0.0512414, 0.2118582) |
| Maluku Utara | Other communicable diseases                              | 80  | 39.4 (14.9, 75.7)           | 0.022730 (0.0085943, 0.0436312) | 86.0 (35.0, 161.5)            | 0.042225 (0.0171773, 0.0792666) |
| Maluku Utara | Tracheal, bronchus, and lung cancer                      | 80  | 5.4 (1.4, 15.4)             | 0.003137 (0.0007950, 0.0088720) | 3.5 (0.9, 9.6)                | 0.001718 (0.0004207, 0.0047102) |
| Maluku Utara | Breast cancer                                            | 80  | 0.4 (0.1, 1.4)              | 0.000241 (0.0000329, 0.0007925) | 13.8 (3.9, 32.4)              | 0.006777 (0.0019095, 0.0158825) |
| Maluku Utara | Cervical cancer                                          | 80  |                             |                                 | 9.2 (1.7, 29.5)               | 0.004511 (0.0008473, 0.0144737) |
| Maluku Utara | Other malignant neoplasms                                | 80  | 29.2 (13.4, 54.1)           | 0.016805 (0.0077282, 0.0311539) | 47.4 (18.7, 91.6)             | 0.023292 (0.0091943, 0.0449570) |
| Maluku Utara | Cerebrovascular disease                                  | 80  | 508.2 (363.6, 666.1)        | 0.292899 (0.2095758, 0.3839132) | 1,246.9 (945.0, 1,575.2)      | 0.612130 (0.4639343, 0.7732762) |
| Maluku Utara | Ischemic heart disease                                   | 80  | 246.9 (146.0, 368.5)        | 0.142311 (0.0841711, 0.2123792) | 455.8 (275.1, 688.9)          | 0.223778 (0.1350719, 0.3381836) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | 80  | 106.6 (44.3, 206.0)         | 0.061437 (0.0255053, 0.1187361) | 230.6 (96.2, 438.2)           | 0.113182 (0.0472256, 0.2150982) |
| Maluku Utara | Diabetes mellitus                                        | 80  | 50.7 (28.6, 86.7)           | 0.029243 (0.0164755, 0.0499474) | 149.8 (83.1, 250.9)           | 0.073563 (0.0408039, 0.1231841) |
| Maluku Utara | Chronic kidney disease                                   | 80  | 39.0 (21.0, 63.0)           | 0.022480 (0.0121108, 0.0362920) | 67.1 (35.6, 112.8)            | 0.032960 (0.0174967, 0.0553592) |
| Maluku Utara | Cirrhosis                                                | 80  | 49.6 (28.6, 80.7)           | 0.028568 (0.0164682, 0.0465280) | 77.2 (44.6, 125.1)            | 0.037909 (0.0218967, 0.0613991) |
| Maluku Utara | Chronic respiratory diseases                             | 80  | 300.1 (185.9, 434.9)        | 0.172972 (0.1071436, 0.2506647) | 358.2 (202.7, 541.2)          | 0.175861 (0.0995320, 0.2656725) |
| Maluku Utara | Other non-communicable diseases                          | 80  | 300.1 (204.8, 411.2)        | 0.172954 (0.1180254, 0.2369813) | 649.7 (463.8, 880.1)          | 0.318945 (0.2276860, 0.4320726) |
| Maluku Utara | Drowning                                                 | 80  | 7.0 (1.7, 20.4)             | 0.004053 (0.0009657, 0.0117783) | 11.3 (2.4, 31.3)              | 0.005571 (0.0011612, 0.0153493) |
| Maluku Utara | Falls                                                    | 80  | 47.5 (20.7, 97.4)           | 0.027387 (0.0119130, 0.0561403) | 73.1 (33.0, 148.8)            | 0.035866 (0.0161973, 0.0730249) |
| Maluku Utara | Interpersonal violence                                   | 80  | 0.9 (0.1, 3.0)              | 0.000505 (0.0000776, 0.0017093) | 0.8 (0.1, 3.0)                | 0.000401 (0.0000685, 0.0014567) |
| Maluku Utara | Self-harm                                                | 80  | 4.1 (1.2, 10.2)             | 0.002368 (0.0006822, 0.0058638) | 2.8 (0.7, 7.7)                | 0.001358 (0.0003339, 0.0037668) |
| Maluku Utara | Transport injuries                                       | 80  | 19.0 (6.1, 45.3)            | 0.010930 (0.0034963, 0.0261368) | 16.6 (5.1, 43.2)              | 0.008159 (0.0024886, 0.0211913) |
| Maluku Utara | Other unintentional injuries                             | 80  | 14.3 (5.1, 33.2)            | 0.008219 (0.0029671, 0.0191246) | 12.0 (4.0, 28.9)              | 0.005901 (0.0019618, 0.0141856) |
| Maluku Utara | Diarrheal diseases                                       | All | 2,972.1 (1,428.5, 5,066.5)  | 0.005211 (0.0025044, 0.0088827) | 5,571.8 (2,501.3, 9,291.5)    | 0.010206 (0.0045818, 0.0170199) |
| Maluku Utara | HIV/AIDS                                                 | All | 713.3 (128.9, 2,045.5)      | 0.001251 (0.0002259, 0.0035861) | 1,106.4 (201.3, 3,256.4)      | 0.002027 (0.0003687, 0.0059649) |
| Maluku Utara | Lower respiratory infections                             | All | 3,828.6 (2,056.1, 6,204.7)  | 0.006712 (0.0036048, 0.0108781) | 3,910.7 (1,912.9, 6,864.5)    | 0.007164 (0.0035040, 0.0125742) |
| Maluku Utara | Malaria                                                  | All | 1,857.3 (381.1, 5,297.4)    | 0.003256 (0.0006681, 0.0092874) | 2,686.7 (530.4, 7,527.0)      | 0.004921 (0.0009715, 0.0137878) |
| Maluku Utara | Tuberculosis                                             | All | 9,197.7 (5,077.8, 13,620.0) | 0.016126 (0.0089025, 0.0238788) | 12,460.4 (6,455.4, 20,210.4)  | 0.022825 (0.0118248, 0.0370207) |
| Maluku Utara | Maternal disorders                                       | All |                             |                                 | 1,829.9 (779.6, 3,262.9)      | 0.003352 (0.0014280, 0.0059768) |
| Maluku Utara | Neonatal encephalopathy due to birth asphyxia and trauma | All | 3,196.8 (1,452.0, 5,455.5)  | 0.005605 (0.0025456, 0.0095646) | 2,020.2 (904.8, 3,616.3)      | 0.003701 (0.0016574, 0.0066241) |
| Maluku Utara | Preterm birth complications                              | All | 1,717.5 (646.5, 3,165.9)    | 0.003011 (0.0011334, 0.0055505) | 1,439.8 (623.4, 2,702.4)      | 0.002637 (0.0011419, 0.0049501) |
| Maluku Utara | Other neonatal disorders                                 | All | 2,110.1 (592.3, 4,171.1)    | 0.003699 (0.0010384, 0.0073128) | 1,292.6 (366.5, 2,842.2)      | 0.002368 (0.0006713, 0.0052062) |
| Maluku Utara | Other communicable diseases                              | All | 5,133.7 (2,603.7, 8,065.3)  | 0.009001 (0.0045649, 0.0141402) | 6,394.3 (2,918.5, 10,680.6)   | 0.011713 (0.0053460, 0.0195643) |
| Maluku Utara | Tracheal, bronchus, and lung cancer                      | All | 327.6 (81.4, 872.0)         | 0.000574 (0.0001428, 0.0015288) | 317.6 (82.2, 854.0)           | 0.000582 (0.0001506, 0.0015643) |
| Maluku Utara | Breast cancer                                            | All | 47.5 (12.2, 132.9)          | 0.000083 (0.0000215, 0.0002329) | 5,569.3 (2,453.6, 9,745.2)    | 0.010202 (0.0044944, 0.0178510) |
| Maluku Utara | Cervical cancer                                          | All |                             |                                 | 1,854.6 (422.6, 4,989.7)      | 0.003397 (0.0007741, 0.0091400) |
| Maluku Utara | Other malignant neoplasms                                | All | 3,632.1 (1,782.0, 6,332.4)  | 0.006368 (0.0031243, 0.0111020) | 6,147.7 (2,676.2, 11,196.7)   | 0.011261 (0.0049022, 0.0205098) |
| Maluku Utara | Cerebrovascular disease                                  | All | 9,506.3 (6,394.0, 13,299.4) | 0.016667 (0.0112101, 0.0233167) | 21,550.7 (15,226.0, 29,004.4) | 0.039476 (0.0278904, 0.0531293) |
| Maluku Utara | Ischemic heart disease                                   | All | 6,826.4 (3,973.8, 10,229.0) | 0.011968 (0.0069668, 0.0179336) | 10,229.0 (6,061.4, 16,152.9)  | 0.018737 (0.0111030, 0.0295883) |
| Maluku Utara | Other cardiovascular and circulatory diseases            | All | 2,176.4 (906.6, 4,238.5)    | 0.003816 (0.0015895, 0.0074310) | 5,141.8 (2,113.0, 10,021.5)   | 0.009419 (0.0038705, 0.0183570) |
| Maluku Utara | Diabetes mellitus                                        | All | 2,679.2 (1,539.9, 4,446.0)  | 0.004697 (0.0026997, 0.0077947) | 7,766.4 (4,473.0, 12,573.4)   | 0.014226 (0.0081935, 0.0230315) |
| Maluku Utara | Chronic kidney disease                                   | All | 2,634.8 (1,477.0, 4,261.8)  | 0.004619 (0.0025895, 0.0074718) | 4,995.6 (2,633.0, 8,350.5)    | 0.009151 (0.0048231, 0.0152961) |
| Maluku Utara | Cirrhosis                                                | All | 3,758.8 (2,194.1, 6,013.8)  | 0.006590 (0.0038467, 0.0105434) | 5,060.1 (2,901.6, 8,344.5)    | 0.009269 (0.0053150, 0.0152852) |
| Maluku Utara | Chronic respiratory diseases                             | All | 5,302.5 (2,835.5, 8,567.5)  | 0.009297 (0.0049713, 0.0150206) | 7,223.7 (3,613.5, 11,769.9)   | 0.013232 (0.0066190, 0.0215597) |
| Maluku Utara | Other non-communicable diseases                          | All | 9,081.2 (6,427.5, 12,513.8) | 0.015921 (0.0112688, 0.0219393) | 17,171.3 (12,000.9, 23,816.9) | 0.031454 (0.0219828, 0.0436271) |
| Maluku Utara | Drowning                                                 | All | 2,760.7 (1,249.1, 4,751.9)  | 0.004840 (0.0021900, 0.0083311) | 1,523.6 (562.5, 2,922.1)      | 0.002791 (0.0010303, 0.0053526) |
| Maluku Utara | Falls                                                    | All | 1,590.6 (650.4, 3,351.1)    | 0.002789 (0.0011402, 0.0058752) | 1,687.6 (676.7, 3,460.6)      | 0.003091 (0.0012395, 0.0063390) |

Aim 2 Supplementary Tables

| Location     | Cause group                                              | Age | Males                       |                                  | Females                     |                                  |
|--------------|----------------------------------------------------------|-----|-----------------------------|----------------------------------|-----------------------------|----------------------------------|
|              |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)         | YLLs (95% UI)               | YLLs per capita (95% UI)         |
| Maluku Utara | Interpersonal violence                                   | All | 694.8 (337.9, 1,277.4)      | 0.001218 (0.0005924, 0.0022396)  | 948.1 (423.9, 1,865.4)      | 0.001737 (0.0007766, 0.0034170)  |
| Maluku Utara | Self-harm                                                | All | 911.3 (409.6, 1,772.0)      | 0.001598 (0.0007181, 0.0031067)  | 1,099.8 (441.7, 2,321.3)    | 0.002015 (0.0008091, 0.0042521)  |
| Maluku Utara | Transport injuries                                       | All | 7,977.1 (4,680.7, 12,494.6) | 0.013986 (0.0082063, 0.0219057)  | 5,989.3 (2,970.6, 10,730.1) | 0.010971 (0.0054415, 0.0196551)  |
| Maluku Utara | Other unintentional injuries                             | All | 2,873.8 (1,494.3, 4,977.7)  | 0.005038 (0.0026198, 0.0087269)  | 2,301.6 (1,058.7, 4,339.2)  | 0.004216 (0.0019392, 0.0079484)  |
| Papua Barat  | Diarrheal diseases                                       | NN  | 298.7 (91.1, 667.9)         | 0.368055 (0.1122769, 0.8229777)  | 237.9 (82.6, 537.7)         | 0.310720 (0.1079132, 0.7024186)  |
| Papua Barat  | Lower respiratory infections                             | NN  | 3,556.1 (1,513.5, 6,752.3)  | 4.381489 (1.8647870, 8.3196325)  | 2,202.5 (946.3, 4,240.1)    | 2.877175 (1.2361640, 5.5388608)  |
| Papua Barat  | Malaria                                                  | NN  | 30.4 (0.6, 174.6)           | 0.037455 (0.0007138, 0.2150795)  | 18.9 (0.4, 118.9)           | 0.024682 (0.0005090, 0.1553800)  |
| Papua Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 6,087.1 (2,586.1, 10,799.4) | 7.500002 (3.1863999, 13.3060799) | 4,110.8 (1,867.6, 7,765.8)  | 5.369980 (2.4396851, 10.1446104) |
| Papua Barat  | Preterm birth complications                              | NN  | 4,502.5 (1,698.7, 9,068.4)  | 5.547657 (2.0929351, 11.1733704) | 4,084.6 (1,673.8, 7,932.8)  | 5.335726 (2.1865010, 10.3627100) |
| Papua Barat  | Other neonatal disorders                                 | NN  | 4,644.7 (1,231.7, 9,733.8)  | 5.722827 (1.5176080, 11.9931297) | 3,075.2 (728.5, 7,056.4)    | 4.017125 (0.9516661, 9.2179241)  |
| Papua Barat  | Other communicable diseases                              | NN  | 320.6 (105.2, 716.4)        | 0.395030 (0.1296008, 0.8827250)  | 177.1 (54.9, 420.5)         | 0.231326 (0.0716631, 0.5492710)  |
| Papua Barat  | Other malignant neoplasms                                | NN  | 184.0 (48.8, 472.3)         | 0.226650 (0.0601122, 0.5819246)  | 153.0 (39.6, 409.0)         | 0.199916 (0.0517665, 0.5342705)  |
| Papua Barat  | Cerebrovascular disease                                  | NN  | 29.4 (7.2, 85.9)            | 0.036200 (0.0088414, 0.1058259)  | 29.6 (7.1, 83.9)            | 0.038702 (0.0092894, 0.1095996)  |
| Papua Barat  | Other cardiovascular and circulatory diseases            | NN  | 28.3 (4.7, 85.1)            | 0.034858 (0.0057873, 0.1048629)  | 29.0 (4.8, 98.7)            | 0.037885 (0.0062378, 0.1289718)  |
| Papua Barat  | Diabetes mellitus                                        | NN  | 10.7 (0.0, 79.9)            | 0.013197 (0.0000492, 0.0984561)  | 16.1 (0.1, 122.8)           | 0.021017 (0.0000900, 0.1603813)  |
| Papua Barat  | Other non-communicable diseases                          | NN  | 2,493.1 (1,193.8, 4,267.4)  | 3.071781 (1.4709229, 5.2579570)  | 2,310.1 (1,112.5, 4,049.9)  | 3.017738 (1.4533350, 5.2904768)  |
| Papua Barat  | Drowning                                                 | NN  | 282.0 (67.4, 763.8)         | 0.347439 (0.0830089, 0.9410453)  | 57.1 (12.7, 176.9)          | 0.074557 (0.0165682, 0.2310705)  |
| Papua Barat  | Falls                                                    | NN  | 76.8 (15.8, 225.3)          | 0.094568 (0.0194883, 0.2776485)  | 21.9 (4.0, 68.3)            | 0.028608 (0.0052649, 0.0891730)  |
| Papua Barat  | Interpersonal violence                                   | NN  | 84.0 (17.4, 244.2)          | 0.103456 (0.0214994, 0.3009237)  | 45.7 (9.8, 131.6)           | 0.059750 (0.0127689, 0.1718703)  |
| Papua Barat  | Transport injuries                                       | NN  | 239.5 (54.4, 659.6)         | 0.295115 (0.0669956, 0.8127320)  | 52.7 (11.1, 155.3)          | 0.068827 (0.0144808, 0.2028902)  |
| Papua Barat  | Other unintentional injuries                             | NN  | 504.9 (140.3, 1,265.4)      | 0.622088 (0.1729217, 1.5591600)  | 149.6 (42.6, 392.0)         | 0.195434 (0.0556379, 0.5120663)  |
| Papua Barat  | Diarrheal diseases                                       | PNN | 90.3 (36.4, 164.2)          | 0.008913 (0.0035929, 0.0162128)  | 97.6 (41.6, 182.0)          | 0.010212 (0.0043490, 0.0190506)  |
| Papua Barat  | HIV/AIDS                                                 | PNN | 14.3 (1.5, 46.3)            | 0.001417 (0.0001456, 0.0045664)  | 11.7 (1.4, 39.8)            | 0.001224 (0.0001455, 0.0041618)  |
| Papua Barat  | Lower respiratory infections                             | PNN | 74.2 (30.3, 140.2)          | 0.007325 (0.0029942, 0.0138369)  | 57.5 (22.5, 111.2)          | 0.006019 (0.0023541, 0.0116428)  |
| Papua Barat  | Malaria                                                  | PNN | 8.8 (0.2, 49.0)             | 0.000870 (0.0000219, 0.0048418)  | 7.5 (0.2, 49.4)             | 0.000789 (0.0000169, 0.0051736)  |
| Papua Barat  | Tuberculosis                                             | PNN | 16.2 (4.2, 40.7)            | 0.001601 (0.0004104, 0.0040226)  | 14.2 (3.4, 35.4)            | 0.001489 (0.0003562, 0.0037018)  |
| Papua Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 4.6 (1.2, 11.7)             | 0.000450 (0.0001139, 0.0011514)  | 3.7 (0.9, 9.2)              | 0.000387 (0.0000969, 0.0009668)  |
| Papua Barat  | Preterm birth complications                              | PNN | 8.4 (2.3, 21.5)             | 0.000826 (0.0002261, 0.0021200)  | 10.3 (2.9, 25.6)            | 0.001079 (0.0003029, 0.0026750)  |
| Papua Barat  | Other neonatal disorders                                 | PNN | 16.2 (2.3, 53.4)            | 0.001601 (0.0002273, 0.0052717)  | 13.2 (1.9, 43.5)            | 0.001377 (0.0002015, 0.0045527)  |
| Papua Barat  | Other communicable diseases                              | PNN | 108.0 (44.5, 198.6)         | 0.010658 (0.0043931, 0.0196072)  | 80.8 (33.1, 162.0)          | 0.008455 (0.0034640, 0.0169559)  |
| Papua Barat  | Other malignant neoplasms                                | PNN | 3.1 (0.8, 7.3)              | 0.000306 (0.0000788, 0.0007236)  | 3.1 (0.9, 8.5)              | 0.000328 (0.0000916, 0.0008870)  |
| Papua Barat  | Cerebrovascular disease                                  | PNN | 0.5 (0.1, 1.4)              | 0.000049 (0.0000116, 0.0001345)  | 0.6 (0.1, 1.7)              | 0.000064 (0.0000146, 0.0001789)  |
| Papua Barat  | Ischemic heart disease                                   | PNN | 0.2 (0.0, 1.1)              | 0.000023 (0.0000012, 0.0001120)  | 0.3 (0.0, 1.4)              | 0.000030 (0.0000014, 0.0001441)  |
| Papua Barat  | Other cardiovascular and circulatory diseases            | PNN | 0.5 (0.1, 1.5)              | 0.000048 (0.0000079, 0.0001479)  | 0.6 (0.1, 1.9)              | 0.000063 (0.0000108, 0.0002027)  |
| Papua Barat  | Diabetes mellitus                                        | PNN | 0.2 (0.0, 1.4)              | 0.000018 (0.0000001, 0.0001420)  | 0.3 (0.0, 2.5)              | 0.000035 (0.0000002, 0.0002636)  |
| Papua Barat  | Chronic kidney disease                                   | PNN | 2.5 (0.7, 5.6)              | 0.000246 (0.0000738, 0.0005532)  | 2.4 (0.8, 5.9)              | 0.000256 (0.0000789, 0.0006225)  |
| Papua Barat  | Other non-communicable diseases                          | PNN | 41.9 (19.0, 74.0)           | 0.004134 (0.0018755, 0.0073082)  | 47.5 (21.4, 86.2)           | 0.004969 (0.0022372, 0.0090203)  |
| Papua Barat  | Drowning                                                 | PNN | 5.7 (1.5, 14.6)             | 0.000566 (0.0001498, 0.0014405)  | 1.4 (0.3, 3.9)              | 0.000149 (0.0000349, 0.0004103)  |
| Papua Barat  | Falls                                                    | PNN | 1.5 (0.3, 4.3)              | 0.000149 (0.0000324, 0.0004246)  | 0.5 (0.1, 1.7)              | 0.000055 (0.0000114, 0.0001742)  |
| Papua Barat  | Interpersonal violence                                   | PNN | 1.6 (0.4, 4.7)              | 0.000159 (0.0000361, 0.0004594)  | 1.1 (0.2, 3.0)              | 0.000112 (0.0000262, 0.0003110)  |
| Papua Barat  | Transport injuries                                       | PNN | 4.8 (1.2, 12.2)             | 0.000475 (0.0001202, 0.0012088)  | 1.3 (0.3, 3.7)              | 0.000136 (0.0000298, 0.0003822)  |
| Papua Barat  | Other unintentional injuries                             | PNN | 9.8 (2.9, 24.3)             | 0.000964 (0.0002817, 0.0023958)  | 3.5 (1.0, 8.3)              | 0.000371 (0.0001089, 0.0008717)  |
| Papua Barat  | Diarrheal diseases                                       | 1   | 1,399.4 (463.8, 3,062.9)    | 0.033187 (0.0109985, 0.0726389)  | 1,656.4 (595.8, 3,459.9)    | 0.042219 (0.0151847, 0.0881850)  |
| Papua Barat  | HIV/AIDS                                                 | 1   | 489.6 (47.7, 1,594.7)       | 0.011611 (0.0011316, 0.0378206)  | 435.4 (42.3, 1,412.2)       | 0.011097 (0.0010787, 0.0359928)  |
| Papua Barat  | Lower respiratory infections                             | 1   | 2,426.4 (876.4, 5,256.0)    | 0.057544 (0.0207844, 0.1246514)  | 2,101.2 (777.3, 4,456.3)    | 0.053554 (0.0198115, 0.1135800)  |
| Papua Barat  | Malaria                                                  | 1   | 117.2 (2.3, 816.5)          | 0.002779 (0.0000547, 0.0193647)  | 108.7 (2.3, 764.1)          | 0.002770 (0.0000598, 0.0194742)  |
| Papua Barat  | Tuberculosis                                             | 1   | 574.2 (137.3, 1,502.7)      | 0.013618 (0.0032571, 0.0356379)  | 561.6 (136.0, 1,465.5)      | 0.014313 (0.0034657, 0.0373508)  |
| Papua Barat  | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 83.2 (18.1, 251.2)          | 0.001973 (0.0004303, 0.0059563)  | 69.9 (16.3, 202.5)          | 0.001781 (0.0004145, 0.0051605)  |
| Papua Barat  | Preterm birth complications                              | 1   | 28.5 (3.9, 97.8)            | 0.000675 (0.0000924, 0.0023191)  | 36.5 (5.4, 129.4)           | 0.000931 (0.0001372, 0.0032977)  |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|-------------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|             |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua Barat | Other neonatal disorders                      | 1   | 41.0          | (0.2, 333.3)       | 0.000972                 | (0.0000053, 0.0079043) | 34.4          | (0.2, 273.1)       | 0.000876                 | (0.0000041, 0.0069599) |
| Papua Barat | Other communicable diseases                   | 1   | 3,563.1       | (1,408.0, 7,065.9) | 0.084502                 | (0.0333909, 0.1675743) | 2,971.1       | (1,271.5, 6,175.0) | 0.075727                 | (0.0324062, 0.1573857) |
| Papua Barat | Other malignant neoplasms                     | 1   | 67.2          | (16.9, 172.0)      | 0.001593                 | (0.0003998, 0.0040787) | 84.3          | (22.4, 209.5)      | 0.002148                 | (0.0005699, 0.0053399) |
| Papua Barat | Cerebrovascular disease                       | 1   | 12.1          | (2.4, 37.8)        | 0.000287                 | (0.0000573, 0.0008958) | 18.5          | (4.3, 55.5)        | 0.000472                 | (0.0001087, 0.0014148) |
| Papua Barat | Ischemic heart disease                        | 1   | 5.4           | (0.3, 28.2)        | 0.000129                 | (0.0000074, 0.0006696) | 8.0           | (0.4, 37.3)        | 0.000205                 | (0.0000104, 0.0009514) |
| Papua Barat | Other cardiovascular and circulatory diseases | 1   | 11.0          | (1.6, 38.0)        | 0.000261                 | (0.0000373, 0.0009013) | 16.5          | (2.6, 58.1)        | 0.000420                 | (0.0000662, 0.0014802) |
| Papua Barat | Diabetes mellitus                             | 1   | 4.1           | (0.0, 30.3)        | 0.000098                 | (0.0000004, 0.0007179) | 8.9           | (0.0, 68.6)        | 0.000227                 | (0.0000011, 0.0017484) |
| Papua Barat | Chronic kidney disease                        | 1   | 52.1          | (15.5, 132.3)      | 0.001235                 | (0.0003673, 0.0031382) | 63.4          | (19.1, 148.0)      | 0.001615                 | (0.0004880, 0.0037714) |
| Papua Barat | Cirrhosis                                     | 1   | 98.9          | (25.8, 272.2)      | 0.002346                 | (0.0006117, 0.0064546) | 65.9          | (18.0, 173.0)      | 0.001680                 | (0.0004580, 0.0044099) |
| Papua Barat | Chronic respiratory diseases                  | 1   | 264.9         | (71.3, 664.9)      | 0.006283                 | (0.0016919, 0.0157694) | 155.8         | (35.4, 429.9)      | 0.003970                 | (0.0009030, 0.0109571) |
| Papua Barat | Other non-communicable diseases               | 1   | 918.7         | (359.6, 1,900.1)   | 0.021787                 | (0.0085279, 0.0450621) | 1,286.6       | (534.5, 2,585.9)   | 0.032793                 | (0.0136230, 0.0659087) |
| Papua Barat | Drowning                                      | 1   | 541.8         | (152.1, 1,447.0)   | 0.012850                 | (0.0036060, 0.0343164) | 161.8         | (38.8, 473.6)      | 0.004124                 | (0.0009890, 0.0120704) |
| Papua Barat | Falls                                         | 1   | 102.0         | (20.5, 305.9)      | 0.002419                 | (0.0004866, 0.0072551) | 42.6          | (8.0, 136.8)       | 0.001086                 | (0.0002045, 0.0034869) |
| Papua Barat | Interpersonal violence                        | 1   | 87.8          | (20.0, 231.1)      | 0.002083                 | (0.0004752, 0.0054800) | 70.8          | (16.0, 202.8)      | 0.001806                 | (0.0004066, 0.0051676) |
| Papua Barat | Transport injuries                            | 1   | 407.3         | (104.6, 1,141.5)   | 0.009660                 | (0.0024801, 0.0270709) | 132.3         | (30.3, 366.0)      | 0.003373                 | (0.0007725, 0.0093294) |
| Papua Barat | Other unintentional injuries                  | 1   | 565.4         | (164.2, 1,416.1)   | 0.013409                 | (0.0038947, 0.0335835) | 246.5         | (67.3, 602.1)      | 0.006282                 | (0.0017163, 0.0153451) |
| Papua Barat | Diarrheal diseases                            | 5   | 374.5         | (186.7, 620.0)     | 0.007801                 | (0.0038894, 0.0129137) | 383.2         | (199.6, 595.9)     | 0.008707                 | (0.0045346, 0.0135393) |
| Papua Barat | HIV/AIDS                                      | 5   | 93.5          | (10.0, 300.1)      | 0.001946                 | (0.0002086, 0.0062495) | 71.1          | (8.3, 228.4)       | 0.001615                 | (0.0001879, 0.0051891) |
| Papua Barat | Lower respiratory infections                  | 5   | 452.5         | (225.5, 733.4)     | 0.009425                 | (0.0046962, 0.0152747) | 333.3         | (162.5, 554.3)     | 0.007572                 | (0.0036923, 0.0125933) |
| Papua Barat | Malaria                                       | 5   | 31.0          | (0.9, 184.4)       | 0.000645                 | (0.0000184, 0.0038413) | 24.5          | (0.7, 145.5)       | 0.000557                 | (0.0000164, 0.0033068) |
| Papua Barat | Tuberculosis                                  | 5   | 151.5         | (45.5, 330.2)      | 0.003154                 | (0.0009486, 0.0068772) | 126.5         | (38.3, 277.8)      | 0.002875                 | (0.0008691, 0.0063113) |
| Papua Barat | Other communicable diseases                   | 5   | 949.4         | (595.1, 1,332.3)   | 0.019773                 | (0.0123950, 0.0277493) | 682.0         | (414.7, 959.5)     | 0.015495                 | (0.0094218, 0.0218014) |
| Papua Barat | Other malignant neoplasms                     | 5   | 154.5         | (64.9, 295.1)      | 0.003219                 | (0.0013527, 0.0061462) | 166.0         | (74.0, 313.8)      | 0.003771                 | (0.0016811, 0.0071306) |
| Papua Barat | Cerebrovascular disease                       | 5   | 19.3          | (7.7, 40.1)        | 0.000403                 | (0.0001595, 0.0008356) | 25.2          | (10.9, 48.1)       | 0.000573                 | (0.0002466, 0.0010928) |
| Papua Barat | Ischemic heart disease                        | 5   | 10.4          | (3.3, 24.6)        | 0.000216                 | (0.0000681, 0.0005128) | 12.5          | (4.2, 28.3)        | 0.000285                 | (0.0000960, 0.0006441) |
| Papua Barat | Other cardiovascular and circulatory diseases | 5   | 20.5          | (5.1, 60.8)        | 0.000427                 | (0.0001072, 0.0012664) | 25.7          | (7.1, 69.9)        | 0.000585                 | (0.0001624, 0.0015880) |
| Papua Barat | Diabetes mellitus                             | 5   | 19.9          | (6.5, 49.9)        | 0.000415                 | (0.0001348, 0.0010389) | 38.0          | (12.8, 91.3)       | 0.000862                 | (0.0002908, 0.0020741) |
| Papua Barat | Chronic kidney disease                        | 5   | 42.4          | (16.9, 85.7)       | 0.000882                 | (0.0003515, 0.0017847) | 44.6          | (18.3, 88.7)       | 0.001014                 | (0.0004159, 0.0020160) |
| Papua Barat | Cirrhosis                                     | 5   | 101.3         | (41.9, 185.8)      | 0.002110                 | (0.0008719, 0.0038692) | 59.0          | (23.7, 110.6)      | 0.001341                 | (0.0005393, 0.0025140) |
| Papua Barat | Chronic respiratory diseases                  | 5   | 83.8          | (30.2, 170.6)      | 0.001746                 | (0.0006300, 0.0035525) | 40.9          | (14.2, 87.9)       | 0.000930                 | (0.0003236, 0.0019977) |
| Papua Barat | Other non-communicable diseases               | 5   | 323.9         | (196.4, 504.1)     | 0.006747                 | (0.0040909, 0.0104995) | 389.9         | (251.4, 572.7)     | 0.008859                 | (0.0057119, 0.0130125) |
| Papua Barat | Drowning                                      | 5   | 725.9         | (389.1, 1,137.2)   | 0.015119                 | (0.0081031, 0.0236846) | 269.9         | (117.8, 491.3)     | 0.006132                 | (0.0026760, 0.0111638) |
| Papua Barat | Falls                                         | 5   | 75.0          | (25.7, 164.2)      | 0.001562                 | (0.0005348, 0.0034203) | 34.6          | (10.8, 83.7)       | 0.000786                 | (0.0002449, 0.0019023) |
| Papua Barat | Interpersonal violence                        | 5   | 29.6          | (8.8, 72.4)        | 0.000616                 | (0.0001836, 0.0015088) | 26.2          | (7.5, 63.5)        | 0.000596                 | (0.0001713, 0.0014423) |
| Papua Barat | Transport injuries                            | 5   | 540.0         | (236.9, 950.4)     | 0.011247                 | (0.0049342, 0.0197948) | 212.3         | (78.9, 419.8)      | 0.004825                 | (0.0017929, 0.0095371) |
| Papua Barat | Other unintentional injuries                  | 5   | 218.3         | (98.3, 436.1)      | 0.004547                 | (0.0020472, 0.0090839) | 107.4         | (41.1, 234.4)      | 0.002439                 | (0.0009339, 0.0053267) |
| Papua Barat | Diarrheal diseases                            | 10  | 132.9         | (54.1, 250.4)      | 0.003129                 | (0.0012734, 0.0058962) | 171.7         | (70.8, 305.8)      | 0.004414                 | (0.0018208, 0.0078608) |
| Papua Barat | HIV/AIDS                                      | 10  | 63.1          | (8.8, 197.4)       | 0.001485                 | (0.0002071, 0.0046470) | 57.5          | (7.6, 174.4)       | 0.001479                 | (0.0001951, 0.0044818) |
| Papua Barat | Lower respiratory infections                  | 10  | 197.5         | (77.1, 370.5)      | 0.004651                 | (0.0018149, 0.0087235) | 177.0         | (69.9, 337.8)      | 0.004548                 | (0.0017972, 0.0086820) |
| Papua Barat | Malaria                                       | 10  | 37.5          | (1.5, 219.3)       | 0.000884                 | (0.0000344, 0.0051632) | 35.4          | (1.2, 218.0)       | 0.000911                 | (0.0000316, 0.0056024) |
| Papua Barat | Tuberculosis                                  | 10  | 217.7         | (81.1, 404.0)      | 0.005127                 | (0.0019093, 0.0095126) | 208.2         | (80.9, 373.3)      | 0.005353                 | (0.0020785, 0.0095940) |
| Papua Barat | Maternal disorders                            | 10  |               |                    |                          |                        | 13.9          | (2.4, 36.6)        | 0.000358                 | (0.0000626, 0.0009402) |
| Papua Barat | Other communicable diseases                   | 10  | 508.0         | (286.6, 759.5)     | 0.011962                 | (0.0067486, 0.0178827) | 459.9         | (264.1, 685.4)     | 0.011822                 | (0.0067880, 0.0176173) |
| Papua Barat | Other malignant neoplasms                     | 10  | 161.7         | (73.7, 284.5)      | 0.003808                 | (0.0017349, 0.0066984) | 211.2         | (101.4, 366.1)     | 0.005429                 | (0.0026064, 0.0094098) |
| Papua Barat | Cerebrovascular disease                       | 10  | 23.4          | (10.7, 43.7)       | 0.000550                 | (0.0002514, 0.0010295) | 37.1          | (18.4, 65.6)       | 0.000955                 | (0.0004732, 0.0016850) |
| Papua Barat | Ischemic heart disease                        | 10  | 18.4          | (7.8, 38.3)        | 0.000434                 | (0.0001832, 0.0009013) | 26.3          | (11.4, 51.9)       | 0.000676                 | (0.0002935, 0.0013352) |
| Papua Barat | Other cardiovascular and circulatory diseases | 10  | 22.2          | (7.2, 56.9)        | 0.000523                 | (0.0001701, 0.0013406) | 33.7          | (11.8, 79.7)       | 0.000867                 | (0.0003037, 0.0020494) |
| Papua Barat | Diabetes mellitus                             | 10  | 20.5          | (8.7, 43.1)        | 0.000482                 | (0.0002047, 0.0010142) | 47.2          | (20.3, 98.8)       | 0.001214                 | (0.0005229, 0.0025397) |
| Papua Barat | Chronic kidney disease                        | 10  | 42.7          | (20.4, 77.3)       | 0.001005                 | (0.0004794, 0.0018197) | 53.6          | (26.3, 93.7)       | 0.001377                 | (0.0006772, 0.0024084) |
| Papua Barat | Cirrhosis                                     | 10  | 85.2          | (40.7, 149.5)      | 0.002005                 | (0.0009577, 0.0035209) | 62.0          | (28.5, 114.9)      | 0.001593                 | (0.0007319, 0.0029539) |
| Papua Barat | Chronic respiratory diseases                  | 10  | 104.8         | (45.6, 193.1)      | 0.002467                 | (0.0010740, 0.0045473) | 61.9          | (24.9, 122.4)      | 0.001591                 | (0.0006401, 0.0031472) |
| Papua Barat | Other non-communicable diseases               | 10  | 277.8         | (176.5, 411.0)     | 0.006540                 | (0.0041559, 0.0096774) | 403.0         | (266.8, 575.5)     | 0.010359                 | (0.0068583, 0.0147914) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                    |                                 | Females                |                                 |
|-------------|-----------------------------------------------|-----|--------------------------|---------------------------------|------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Papua Barat | Drowning                                      | 10  | 310.9 (143.2, 557.8)     | 0.007320 (0.0033706, 0.0131346) | 140.1 (51.7, 291.5)    | 0.003600 (0.0013279, 0.0074939) |
| Papua Barat | Falls                                         | 10  | 51.8 (18.5, 125.7)       | 0.001221 (0.0004351, 0.0029593) | 29.4 (9.1, 76.6)       | 0.000755 (0.0002335, 0.0019697) |
| Papua Barat | Interpersonal violence                        | 10  | 34.3 (14.6, 70.2)        | 0.000807 (0.0003438, 0.0016527) | 33.7 (12.4, 74.1)      | 0.000866 (0.0003181, 0.0019049) |
| Papua Barat | Self-harm                                     | 10  | 38.4 (11.5, 91.5)        | 0.000905 (0.0002702, 0.0021548) | 32.4 (8.9, 78.6)       | 0.000832 (0.0002297, 0.0020210) |
| Papua Barat | Transport injuries                            | 10  | 587.4 (321.3, 895.7)     | 0.013829 (0.0075662, 0.0210892) | 294.0 (128.0, 539.3)   | 0.007558 (0.0032893, 0.0138631) |
| Papua Barat | Other unintentional injuries                  | 10  | 164.3 (78.3, 308.1)      | 0.003869 (0.0018429, 0.0072536) | 93.5 (38.8, 191.1)     | 0.002403 (0.0009966, 0.0049131) |
| Papua Barat | Diarrheal diseases                            | 15  | 62.4 (17.2, 144.4)       | 0.001593 (0.0004390, 0.0036871) | 96.9 (27.8, 205.5)     | 0.002648 (0.0007583, 0.0056112) |
| Papua Barat | HIV/AIDS                                      | 15  | 50.0 (5.5, 178.8)        | 0.001276 (0.0001411, 0.0045649) | 53.8 (5.4, 180.1)      | 0.001470 (0.0001479, 0.0049183) |
| Papua Barat | Lower respiratory infections                  | 15  | 85.5 (25.7, 198.5)       | 0.002184 (0.0006566, 0.0050669) | 86.1 (26.9, 199.8)     | 0.002351 (0.0007358, 0.0054563) |
| Papua Barat | Malaria                                       | 15  | 58.4 (2.8, 258.6)        | 0.001491 (0.0000707, 0.0066021) | 65.9 (3.2, 308.6)      | 0.001800 (0.0000873, 0.0084282) |
| Papua Barat | Tuberculosis                                  | 15  | 311.1 (146.4, 537.3)     | 0.007942 (0.0037383, 0.0137167) | 321.8 (154.4, 530.4)   | 0.008788 (0.0042174, 0.0144838) |
| Papua Barat | Maternal disorders                            | 15  |                          |                                 | 151.1 (74.5, 278.7)    | 0.004125 (0.0020349, 0.0076110) |
| Papua Barat | Other communicable diseases                   | 15  | 294.2 (109.0, 505.2)     | 0.007511 (0.0027831, 0.0128985) | 317.3 (123.4, 527.8)   | 0.008665 (0.0033707, 0.0144141) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 15  | 13.1 (2.0, 40.6)         | 0.000335 (0.0000520, 0.0010370) | 8.6 (1.2, 28.4)        | 0.000235 (0.0000337, 0.0007743) |
| Papua Barat | Breast cancer                                 | 15  | 0.8 (0.1, 3.4)           | 0.000020 (0.0000015, 0.0000858) | 37.8 (6.6, 112.5)      | 0.001031 (0.0001807, 0.0030713) |
| Papua Barat | Cervical cancer                               | 15  |                          |                                 | 31.8 (4.2, 104.4)      | 0.000869 (0.0001134, 0.0028501) |
| Papua Barat | Other malignant neoplasms                     | 15  | 162.8 (72.6, 298.5)      | 0.004155 (0.0018525, 0.0076202) | 291.6 (132.0, 505.5)   | 0.007964 (0.0036049, 0.0138051) |
| Papua Barat | Cerebrovascular disease                       | 15  | 38.4 (17.8, 68.8)        | 0.000980 (0.0004547, 0.0017562) | 72.9 (34.5, 129.0)     | 0.001991 (0.0009417, 0.0035236) |
| Papua Barat | Ischemic heart disease                        | 15  | 50.5 (22.4, 95.5)        | 0.001290 (0.0005727, 0.0024372) | 74.1 (33.6, 140.7)     | 0.002024 (0.0009187, 0.0038435) |
| Papua Barat | Other cardiovascular and circulatory diseases | 15  | 30.3 (10.4, 74.9)        | 0.000773 (0.0002654, 0.0019122) | 59.8 (20.2, 140.9)     | 0.001634 (0.0005525, 0.0038472) |
| Papua Barat | Diabetes mellitus                             | 15  | 27.4 (10.9, 55.9)        | 0.000700 (0.0002787, 0.0014284) | 83.2 (33.9, 162.2)     | 0.002274 (0.0009270, 0.0044286) |
| Papua Barat | Chronic kidney disease                        | 15  | 52.3 (26.0, 93.9)        | 0.001336 (0.0006635, 0.0023961) | 86.4 (43.4, 155.9)     | 0.002359 (0.0011851, 0.0042564) |
| Papua Barat | Cirrhosis                                     | 15  | 89.1 (43.6, 155.5)       | 0.002274 (0.0011133, 0.0039705) | 86.4 (40.7, 159.6)     | 0.002360 (0.0011105, 0.0043586) |
| Papua Barat | Chronic respiratory diseases                  | 15  | 79.5 (33.4, 155.1)       | 0.002030 (0.0008527, 0.0039608) | 72.0 (26.7, 149.9)     | 0.001965 (0.0007297, 0.0040947) |
| Papua Barat | Other non-communicable diseases               | 15  | 293.0 (187.5, 428.8)     | 0.007481 (0.0047880, 0.0109479) | 526.6 (340.5, 765.7)   | 0.014381 (0.0092973, 0.0209111) |
| Papua Barat | Drowning                                      | 15  | 154.1 (64.3, 314.4)      | 0.003935 (0.0016429, 0.0080262) | 90.3 (30.9, 208.4)     | 0.002467 (0.0008435, 0.0056922) |
| Papua Barat | Falls                                         | 15  | 41.5 (15.7, 99.4)        | 0.001060 (0.0004019, 0.0025382) | 32.1 (10.5, 81.7)      | 0.000877 (0.0002869, 0.0022307) |
| Papua Barat | Interpersonal violence                        | 15  | 65.3 (31.7, 113.2)       | 0.001668 (0.0008081, 0.0028893) | 85.7 (35.6, 174.1)     | 0.002341 (0.0009733, 0.0047548) |
| Papua Barat | Self-harm                                     | 15  | 62.9 (22.1, 132.4)       | 0.001607 (0.0005633, 0.0033808) | 70.8 (21.3, 165.9)     | 0.001933 (0.0005820, 0.0045308) |
| Papua Barat | Transport injuries                            | 15  | 1,251.7 (871.8, 1,682.9) | 0.031958 (0.0222583, 0.0429669) | 989.9 (587.1, 1,458.2) | 0.027033 (0.0160326, 0.0398228) |
| Papua Barat | Other unintentional injuries                  | 15  | 204.6 (107.2, 360.2)     | 0.005225 (0.0027362, 0.0091961) | 156.4 (68.2, 303.0)    | 0.004271 (0.0018636, 0.0082752) |
| Papua Barat | Diarrheal diseases                            | 20  | 64.7 (17.6, 143.7)       | 0.001512 (0.0004114, 0.0033588) | 95.7 (27.2, 199.6)     | 0.002478 (0.0007040, 0.0051703) |
| Papua Barat | HIV/AIDS                                      | 20  | 165.3 (25.3, 470.0)      | 0.003862 (0.0005920, 0.0109823) | 164.4 (25.9, 458.9)    | 0.004258 (0.0006700, 0.0118862) |
| Papua Barat | Lower respiratory infections                  | 20  | 80.4 (23.3, 190.9)       | 0.001878 (0.0005435, 0.0044601) | 71.5 (22.2, 165.9)     | 0.001851 (0.0005744, 0.0042978) |
| Papua Barat | Malaria                                       | 20  | 84.3 (4.1, 358.2)        | 0.001969 (0.0000961, 0.0083694) | 84.3 (4.0, 361.8)      | 0.002183 (0.0001048, 0.0093695) |
| Papua Barat | Tuberculosis                                  | 20  | 673.0 (338.3, 1,109.5)   | 0.015725 (0.0079059, 0.0259257) | 551.9 (254.4, 902.2)   | 0.014293 (0.0065882, 0.0233651) |
| Papua Barat | Maternal disorders                            | 20  |                          |                                 | 428.9 (239.7, 695.7)   | 0.011108 (0.0062075, 0.0180188) |
| Papua Barat | Other communicable diseases                   | 20  | 378.9 (136.0, 663.5)     | 0.008853 (0.0031771, 0.0155029) | 398.2 (151.1, 669.3)   | 0.010312 (0.0039121, 0.0173333) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 20  | 9.8 (1.5, 32.7)          | 0.000229 (0.0000341, 0.0007632) | 15.6 (2.8, 49.2)       | 0.000405 (0.0000719, 0.0012734) |
| Papua Barat | Breast cancer                                 | 20  | 1.4 (0.2, 4.6)           | 0.000033 (0.0000046, 0.0001085) | 138.2 (42.3, 298.8)    | 0.003579 (0.0010960, 0.0077375) |
| Papua Barat | Cervical cancer                               | 20  |                          |                                 | 82.6 (15.2, 234.4)     | 0.002138 (0.0003929, 0.0060709) |
| Papua Barat | Other malignant neoplasms                     | 20  | 198.0 (81.5, 374.8)      | 0.004626 (0.0019037, 0.0087586) | 403.4 (169.5, 705.9)   | 0.010447 (0.0043903, 0.0182815) |
| Papua Barat | Cerebrovascular disease                       | 20  | 87.9 (46.4, 157.0)       | 0.002054 (0.0010838, 0.0036692) | 148.1 (78.4, 247.1)    | 0.003835 (0.0020316, 0.0063996) |
| Papua Barat | Ischemic heart disease                        | 20  | 115.4 (55.9, 208.8)      | 0.002697 (0.0013060, 0.0048781) | 117.4 (55.3, 215.4)    | 0.003040 (0.0014318, 0.0055779) |
| Papua Barat | Other cardiovascular and circulatory diseases | 20  | 59.1 (21.0, 140.1)       | 0.001381 (0.0004902, 0.0032740) | 113.1 (44.1, 246.7)    | 0.002929 (0.0011423, 0.0063900) |
| Papua Barat | Diabetes mellitus                             | 20  | 32.5 (13.7, 61.0)        | 0.000759 (0.0003207, 0.0014262) | 97.1 (43.2, 177.6)     | 0.002515 (0.0011199, 0.0045989) |
| Papua Barat | Chronic kidney disease                        | 20  | 102.9 (53.3, 179.0)      | 0.002403 (0.0012457, 0.0041833) | 163.3 (83.8, 290.0)    | 0.004229 (0.0021712, 0.0075095) |
| Papua Barat | Cirrhosis                                     | 20  | 163.1 (82.4, 280.4)      | 0.003811 (0.0019257, 0.0065527) | 163.1 (78.6, 292.9)    | 0.004224 (0.0020368, 0.0075855) |
| Papua Barat | Chronic respiratory diseases                  | 20  | 189.8 (88.2, 347.6)      | 0.004436 (0.0020616, 0.0081224) | 212.2 (95.3, 393.9)    | 0.005496 (0.0024692, 0.0102014) |
| Papua Barat | Other non-communicable diseases               | 20  | 348.3 (215.3, 526.1)     | 0.008139 (0.0050297, 0.0122928) | 585.6 (363.9, 864.4)   | 0.015167 (0.0094235, 0.0223860) |
| Papua Barat | Drowning                                      | 20  | 104.2 (36.5, 236.9)      | 0.002435 (0.0008518, 0.0055348) | 62.7 (18.5, 146.9)     | 0.001623 (0.0004793, 0.0038055) |
| Papua Barat | Falls                                         | 20  | 40.1 (13.9, 95.6)        | 0.000937 (0.0003238, 0.0022335) | 30.9 (9.6, 78.3)       | 0.000800 (0.0002489, 0.0020282) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                    |                                 | Females                |                                 |
|-------------|-----------------------------------------------|-----|--------------------------|---------------------------------|------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)            | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Papua Barat | Interpersonal violence                        | 20  | 93.6 (42.9, 181.3)       | 0.002187 (0.0010022, 0.0042366) | 105.3 (39.9, 227.5)    | 0.002727 (0.0010339, 0.0058912) |
| Papua Barat | Self-harm                                     | 20  | 79.9 (26.0, 171.9)       | 0.001867 (0.0006081, 0.0040175) | 74.9 (21.1, 168.2)     | 0.001941 (0.0005470, 0.0043569) |
| Papua Barat | Transport injuries                            | 20  | 1,142.9 (696.8, 1,707.3) | 0.026704 (0.0162806, 0.0398941) | 781.7 (413.2, 1,300.0) | 0.020245 (0.0107016, 0.0336680) |
| Papua Barat | Other unintentional injuries                  | 20  | 249.0 (119.9, 439.6)     | 0.005818 (0.0028019, 0.0102714) | 174.1 (68.7, 361.4)    | 0.004509 (0.0017779, 0.0093586) |
| Papua Barat | Diarrheal diseases                            | 25  | 93.6 (25.9, 199.0)       | 0.002029 (0.0005607, 0.0043143) | 152.8 (46.0, 315.2)    | 0.003794 (0.0011416, 0.0078276) |
| Papua Barat | HIV/AIDS                                      | 25  | 295.6 (48.7, 763.9)      | 0.006409 (0.0010558, 0.0165627) | 321.1 (51.4, 796.5)    | 0.007974 (0.0012773, 0.0197815) |
| Papua Barat | Lower respiratory infections                  | 25  | 81.5 (23.6, 205.5)       | 0.001767 (0.0005116, 0.0044546) | 79.6 (23.7, 204.0)     | 0.001977 (0.0005897, 0.0050665) |
| Papua Barat | Malaria                                       | 25  | 96.9 (5.1, 412.7)        | 0.002102 (0.0001113, 0.0089491) | 102.6 (5.1, 464.6)     | 0.002549 (0.0001255, 0.0115371) |
| Papua Barat | Tuberculosis                                  | 25  | 940.6 (468.4, 1,521.1)   | 0.020395 (0.0101550, 0.0329796) | 795.3 (372.1, 1,308.3) | 0.019750 (0.0092406, 0.0324904) |
| Papua Barat | Maternal disorders                            | 25  |                          |                                 | 459.5 (258.8, 751.2)   | 0.011411 (0.0064273, 0.0186548) |
| Papua Barat | Other communicable diseases                   | 25  | 405.6 (146.3, 701.1)     | 0.008793 (0.0031731, 0.0152008) | 478.2 (179.2, 821.1)   | 0.011876 (0.0044514, 0.0203916) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 25  | 9.7 (1.4, 33.8)          | 0.000210 (0.0000298, 0.0007323) | 22.6 (4.4, 70.2)       | 0.000562 (0.0001098, 0.0017432) |
| Papua Barat | Breast cancer                                 | 25  | 1.5 (0.2, 5.3)           | 0.000032 (0.0000054, 0.0001143) | 314.2 (111.1, 624.7)   | 0.007804 (0.0027581, 0.0155138) |
| Papua Barat | Cervical cancer                               | 25  |                          |                                 | 151.2 (33.5, 423.1)    | 0.003755 (0.0008318, 0.0105077) |
| Papua Barat | Other malignant neoplasms                     | 25  | 295.0 (127.6, 536.3)     | 0.006397 (0.0027660, 0.0116281) | 498.7 (214.8, 891.3)   | 0.012385 (0.0053354, 0.0221354) |
| Papua Barat | Cerebrovascular disease                       | 25  | 178.8 (102.1, 290.5)     | 0.003876 (0.0022144, 0.0062988) | 287.6 (163.8, 462.1)   | 0.007142 (0.0040670, 0.0114760) |
| Papua Barat | Ischemic heart disease                        | 25  | 255.9 (137.8, 426.7)     | 0.005547 (0.0029883, 0.0092516) | 230.2 (114.1, 401.3)   | 0.005718 (0.0028335, 0.0099656) |
| Papua Barat | Other cardiovascular and circulatory diseases | 25  | 90.2 (34.4, 211.4)       | 0.001957 (0.0007468, 0.0045845) | 168.3 (66.7, 359.7)    | 0.004180 (0.0016577, 0.0089319) |
| Papua Barat | Diabetes mellitus                             | 25  | 61.8 (29.5, 106.8)       | 0.001340 (0.0006386, 0.0023149) | 174.1 (85.7, 311.0)    | 0.004324 (0.0021286, 0.0077234) |
| Papua Barat | Chronic kidney disease                        | 25  | 133.1 (72.9, 225.9)      | 0.002887 (0.0015816, 0.0048988) | 197.0 (109.5, 327.3)   | 0.004892 (0.0027198, 0.0081292) |
| Papua Barat | Cirrhosis                                     | 25  | 247.2 (128.4, 420.6)     | 0.005360 (0.0027833, 0.0091195) | 241.1 (122.5, 419.6)   | 0.005988 (0.0030418, 0.0104204) |
| Papua Barat | Chronic respiratory diseases                  | 25  | 249.2 (117.4, 451.6)     | 0.005404 (0.0025461, 0.0097926) | 280.2 (133.6, 520.8)   | 0.006959 (0.0033174, 0.0129350) |
| Papua Barat | Other non-communicable diseases               | 25  | 464.7 (289.8, 696.4)     | 0.010076 (0.0062830, 0.0151002) | 755.8 (475.0, 1,132.3) | 0.018769 (0.0117957, 0.0281212) |
| Papua Barat | Drowning                                      | 25  | 63.5 (20.1, 154.1)       | 0.001377 (0.0004355, 0.0033405) | 39.8 (11.1, 99.8)      | 0.000989 (0.0002746, 0.0024788) |
| Papua Barat | Falls                                         | 25  | 54.2 (17.7, 132.0)       | 0.001176 (0.0003841, 0.0028612) | 42.5 (12.6, 103.7)     | 0.001055 (0.0003124, 0.0025751) |
| Papua Barat | Interpersonal violence                        | 25  | 99.3 (42.5, 197.2)       | 0.002154 (0.0009204, 0.0042748) | 103.5 (36.6, 231.8)    | 0.002570 (0.0009096, 0.0057573) |
| Papua Barat | Self-harm                                     | 25  | 79.5 (25.1, 173.8)       | 0.001725 (0.0005440, 0.0037690) | 67.7 (19.1, 160.6)     | 0.001682 (0.0004740, 0.0039894) |
| Papua Barat | Transport injuries                            | 25  | 818.3 (433.6, 1,339.6)   | 0.017743 (0.0094020, 0.0290460) | 502.2 (225.8, 917.8)   | 0.012472 (0.0056085, 0.0227935) |
| Papua Barat | Other unintentional injuries                  | 25  | 297.3 (133.3, 542.6)     | 0.006447 (0.0028893, 0.0117636) | 200.7 (79.8, 409.2)    | 0.004985 (0.0019820, 0.0101618) |
| Papua Barat | Diarrheal diseases                            | 30  | 79.0 (19.7, 166.0)       | 0.002037 (0.0005084, 0.0042825) | 149.8 (43.5, 300.3)    | 0.004472 (0.0012982, 0.0089659) |
| Papua Barat | HIV/AIDS                                      | 30  | 236.8 (38.5, 615.6)      | 0.006109 (0.0009931, 0.0158816) | 300.6 (51.5, 772.5)    | 0.008977 (0.0015393, 0.0230676) |
| Papua Barat | Lower respiratory infections                  | 30  | 58.4 (16.3, 142.4)       | 0.001507 (0.0004210, 0.0036732) | 67.5 (20.4, 170.8)     | 0.002016 (0.0006089, 0.0051005) |
| Papua Barat | Malaria                                       | 30  | 63.5 (3.2, 260.5)        | 0.001639 (0.0000829, 0.0067216) | 76.3 (3.7, 340.4)      | 0.002280 (0.0001115, 0.0101643) |
| Papua Barat | Tuberculosis                                  | 30  | 756.9 (367.5, 1,221.9)   | 0.019529 (0.0094817, 0.0315258) | 720.9 (323.1, 1,189.2) | 0.021527 (0.0096485, 0.0355123) |
| Papua Barat | Maternal disorders                            | 30  |                          |                                 | 291.0 (152.8, 487.7)   | 0.008690 (0.0045630, 0.0145646) |
| Papua Barat | Other communicable diseases                   | 30  | 213.9 (64.9, 386.1)      | 0.005519 (0.0016756, 0.0099609) | 297.1 (100.4, 533.7)   | 0.008871 (0.0029969, 0.0159382) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 30  | 20.3 (3.6, 60.5)         | 0.000524 (0.0000930, 0.0015620) | 23.3 (4.7, 67.1)       | 0.000697 (0.0001406, 0.0020030) |
| Papua Barat | Breast cancer                                 | 30  | 1.6 (0.2, 6.3)           | 0.000042 (0.0000050, 0.0001635) | 451.4 (181.3, 850.0)   | 0.013479 (0.0054124, 0.0253828) |
| Papua Barat | Cervical cancer                               | 30  |                          |                                 | 194.0 (44.8, 514.1)    | 0.005793 (0.0013378, 0.0153513) |
| Papua Barat | Other malignant neoplasms                     | 30  | 318.2 (141.7, 555.3)     | 0.008209 (0.0036559, 0.0143271) | 463.4 (186.4, 816.9)   | 0.013838 (0.0055675, 0.0243937) |
| Papua Barat | Cerebrovascular disease                       | 30  | 249.4 (147.0, 387.7)     | 0.006435 (0.0037914, 0.0100036) | 420.4 (245.7, 658.2)   | 0.012554 (0.0073373, 0.0196537) |
| Papua Barat | Ischemic heart disease                        | 30  | 339.5 (190.3, 530.9)     | 0.008760 (0.0049097, 0.0136959) | 308.4 (158.4, 506.9)   | 0.009209 (0.0047300, 0.0151368) |
| Papua Barat | Other cardiovascular and circulatory diseases | 30  | 97.0 (38.1, 226.1)       | 0.002502 (0.0009832, 0.0058322) | 190.9 (78.4, 407.2)    | 0.005701 (0.0023416, 0.0121585) |
| Papua Barat | Diabetes mellitus                             | 30  | 88.2 (45.7, 150.9)       | 0.002275 (0.0011785, 0.0038925) | 253.3 (130.6, 428.8)   | 0.007565 (0.0039002, 0.0128038) |
| Papua Barat | Chronic kidney disease                        | 30  | 126.5 (70.1, 213.3)      | 0.003263 (0.0018089, 0.0055029) | 190.5 (102.2, 309.8)   | 0.005687 (0.0030524, 0.0092518) |
| Papua Barat | Cirrhosis                                     | 30  | 272.4 (145.5, 437.9)     | 0.007028 (0.0037538, 0.0112986) | 279.5 (140.6, 484.5)   | 0.008346 (0.0041973, 0.0144690) |
| Papua Barat | Chronic respiratory diseases                  | 30  | 220.4 (104.0, 404.3)     | 0.005687 (0.0026820, 0.0104306) | 262.8 (123.2, 510.1)   | 0.007848 (0.0036799, 0.0152328) |
| Papua Barat | Other non-communicable diseases               | 30  | 426.4 (261.4, 629.4)     | 0.011000 (0.0067445, 0.0162374) | 730.5 (458.5, 1,082.1) | 0.021813 (0.0136926, 0.0323130) |
| Papua Barat | Drowning                                      | 30  | 54.9 (16.8, 137.1)       | 0.001416 (0.0004341, 0.0035377) | 39.8 (11.2, 104.7)     | 0.001188 (0.0003340, 0.0031254) |
| Papua Barat | Falls                                         | 30  | 51.0 (16.7, 120.3)       | 0.001315 (0.0004319, 0.0031033) | 45.0 (13.6, 112.7)     | 0.001344 (0.0004052, 0.0033651) |
| Papua Barat | Interpersonal violence                        | 30  | 66.2 (25.5, 136.7)       | 0.001709 (0.0006569, 0.0035274) | 72.5 (23.7, 173.3)     | 0.002166 (0.0007079, 0.0051743) |
| Papua Barat | Self-harm                                     | 30  | 52.5 (16.0, 119.9)       | 0.001355 (0.0004137, 0.0030938) | 46.3 (12.8, 108.3)     | 0.001384 (0.0003816, 0.0032338) |



Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                  |                                 | Females                |                                 |
|-------------|-----------------------------------------------|-----|------------------------|---------------------------------|------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Papua Barat | Transport injuries                            | 30  | 577.8 (296.6, 1,010.0) | 0.014908 (0.0076521, 0.0260588) | 382.8 (165.5, 740.2)   | 0.011430 (0.0049415, 0.0221027) |
| Papua Barat | Other unintentional injuries                  | 30  | 225.2 (99.8, 408.6)    | 0.005811 (0.0025747, 0.0105416) | 164.3 (64.1, 341.8)    | 0.004905 (0.0019130, 0.0102062) |
| Papua Barat | Diarrheal diseases                            | 35  | 54.8 (14.1, 113.8)     | 0.001749 (0.0004498, 0.0036303) | 135.9 (40.8, 270.5)    | 0.005111 (0.0015361, 0.0101743) |
| Papua Barat | HIV/AIDS                                      | 35  | 170.6 (25.6, 464.7)    | 0.005443 (0.0008167, 0.0148236) | 269.1 (41.0, 691.2)    | 0.010121 (0.0015409, 0.0259974) |
| Papua Barat | Lower respiratory infections                  | 35  | 48.7 (14.1, 121.7)     | 0.001553 (0.0004484, 0.0038806) | 75.8 (22.8, 184.0)     | 0.002850 (0.0008563, 0.0069206) |
| Papua Barat | Malaria                                       | 35  | 45.4 (2.5, 181.5)      | 0.001447 (0.0000813, 0.0057907) | 65.4 (3.1, 288.1)      | 0.002460 (0.0001170, 0.0108361) |
| Papua Barat | Tuberculosis                                  | 35  | 647.9 (323.4, 1,043.4) | 0.020667 (0.0103151, 0.0332842) | 742.0 (336.0, 1,247.0) | 0.027909 (0.0126366, 0.0469038) |
| Papua Barat | Maternal disorders                            | 35  |                        |                                 | 210.1 (100.1, 377.5)   | 0.007902 (0.0037668, 0.0142006) |
| Papua Barat | Other communicable diseases                   | 35  | 150.8 (45.7, 285.1)    | 0.004811 (0.0014567, 0.0090962) | 281.6 (95.3, 516.2)    | 0.010591 (0.0035851, 0.0194151) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 35  | 18.2 (3.4, 50.1)       | 0.000582 (0.0001071, 0.0015969) | 28.9 (6.1, 78.0)       | 0.001086 (0.0002296, 0.0029345) |
| Papua Barat | Breast cancer                                 | 35  | 2.8 (0.4, 10.1)        | 0.000089 (0.0000128, 0.0003231) | 567.6 (233.0, 1,067.6) | 0.021351 (0.0087656, 0.0401570) |
| Papua Barat | Cervical cancer                               | 35  |                        |                                 | 287.8 (73.5, 722.1)    | 0.010825 (0.0027644, 0.0271620) |
| Papua Barat | Other malignant neoplasms                     | 35  | 379.3 (177.6, 648.3)   | 0.012101 (0.0056642, 0.0206812) | 445.2 (160.8, 828.2)   | 0.016745 (0.0060482, 0.0311533) |
| Papua Barat | Cerebrovascular disease                       | 35  | 342.4 (210.4, 521.1)   | 0.010923 (0.0067110, 0.0166223) | 662.3 (402.2, 1,015.4) | 0.024914 (0.0151290, 0.0381934) |
| Papua Barat | Ischemic heart disease                        | 35  | 414.4 (242.5, 633.7)   | 0.013219 (0.0077342, 0.0202144) | 435.9 (228.6, 716.9)   | 0.016398 (0.0085983, 0.0269662) |
| Papua Barat | Other cardiovascular and circulatory diseases | 35  | 109.7 (43.7, 243.7)    | 0.003501 (0.0013946, 0.0077735) | 234.6 (94.0, 491.5)    | 0.008825 (0.0035344, 0.0184868) |
| Papua Barat | Diabetes mellitus                             | 35  | 139.6 (75.4, 234.6)    | 0.004453 (0.0024041, 0.0074837) | 425.2 (223.6, 707.7)   | 0.015993 (0.0084120, 0.0266177) |
| Papua Barat | Chronic kidney disease                        | 35  | 127.8 (73.4, 214.9)    | 0.004076 (0.0023416, 0.0068538) | 201.3 (105.4, 336.2)   | 0.007572 (0.0039650, 0.0126440) |
| Papua Barat | Cirrhosis                                     | 35  | 284.8 (154.6, 444.5)   | 0.009084 (0.0049311, 0.0141790) | 331.7 (169.1, 573.7)   | 0.012478 (0.0063616, 0.0215778) |
| Papua Barat | Chronic respiratory diseases                  | 35  | 232.8 (110.7, 412.6)   | 0.007427 (0.0035317, 0.0131616) | 286.1 (131.0, 548.5)   | 0.010760 (0.0049267, 0.0206329) |
| Papua Barat | Other non-communicable diseases               | 35  | 386.4 (235.9, 573.2)   | 0.012325 (0.0075247, 0.0182841) | 742.9 (462.2, 1,121.1) | 0.027943 (0.0173858, 0.0421701) |
| Papua Barat | Drowning                                      | 35  | 54.5 (17.0, 133.9)     | 0.001738 (0.0005418, 0.0042714) | 55.2 (16.6, 135.8)     | 0.002077 (0.0006237, 0.0051097) |
| Papua Barat | Falls                                         | 35  | 41.4 (12.6, 103.1)     | 0.001321 (0.0004033, 0.0032888) | 48.3 (13.0, 121.4)     | 0.001818 (0.0004907, 0.0045659) |
| Papua Barat | Interpersonal violence                        | 35  | 48.3 (17.3, 101.8)     | 0.001539 (0.0005520, 0.0032480) | 58.0 (19.7, 142.2)     | 0.002182 (0.0007408, 0.0053489) |
| Papua Barat | Self-harm                                     | 35  | 41.3 (12.2, 96.8)      | 0.001318 (0.0003885, 0.0030892) | 38.7 (10.7, 90.4)      | 0.001458 (0.0004037, 0.0034006) |
| Papua Barat | Transport injuries                            | 35  | 389.5 (183.8, 716.6)   | 0.012424 (0.0058634, 0.0228591) | 313.8 (126.0, 644.4)   | 0.011804 (0.0047393, 0.0242391) |
| Papua Barat | Other unintentional injuries                  | 35  | 175.9 (71.9, 331.1)    | 0.005612 (0.0022928, 0.0105604) | 152.3 (56.0, 320.6)    | 0.005728 (0.0021075, 0.0120596) |
| Papua Barat | Diarrheal diseases                            | 40  | 55.2 (13.6, 114.5)     | 0.002054 (0.0005050, 0.0042646) | 141.3 (42.6, 278.9)    | 0.006037 (0.0018192, 0.0119171) |
| Papua Barat | HIV/AIDS                                      | 40  | 91.9 (11.9, 290.1)     | 0.003421 (0.0004433, 0.0108021) | 148.2 (19.9, 461.7)    | 0.006331 (0.0008507, 0.0197255) |
| Papua Barat | Lower respiratory infections                  | 40  | 47.5 (13.7, 119.7)     | 0.001768 (0.0005113, 0.0044580) | 79.2 (23.7, 195.1)     | 0.003382 (0.0010112, 0.0083339) |
| Papua Barat | Malaria                                       | 40  | 41.1 (2.2, 166.5)      | 0.001532 (0.0000822, 0.0061995) | 58.0 (2.7, 271.6)      | 0.002479 (0.0001153, 0.0116048) |
| Papua Barat | Tuberculosis                                  | 40  | 578.3 (297.4, 936.0)   | 0.021536 (0.0110754, 0.0348577) | 655.3 (315.4, 1,081.0) | 0.027998 (0.0134765, 0.0461828) |
| Papua Barat | Maternal disorders                            | 40  |                        |                                 | 96.4 (42.7, 186.5)     | 0.004119 (0.0018251, 0.0079689) |
| Papua Barat | Other communicable diseases                   | 40  | 136.8 (38.5, 269.1)    | 0.005093 (0.0014347, 0.0100199) | 270.0 (96.3, 503.5)    | 0.011533 (0.0041144, 0.0215110) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 40  | 30.8 (6.5, 83.0)       | 0.001148 (0.0002406, 0.0030902) | 33.5 (7.6, 87.6)       | 0.001431 (0.0003256, 0.0037441) |
| Papua Barat | Breast cancer                                 | 40  | 5.4 (1.1, 15.8)        | 0.000199 (0.0000393, 0.0005884) | 616.2 (246.2, 1,108.3) | 0.026325 (0.0105196, 0.0473477) |
| Papua Barat | Cervical cancer                               | 40  |                        |                                 | 364.8 (98.2, 882.4)    | 0.015584 (0.0041945, 0.0376992) |
| Papua Barat | Other malignant neoplasms                     | 40  | 459.1 (213.9, 766.6)   | 0.017098 (0.0079672, 0.0285479) | 404.1 (145.3, 761.8)   | 0.017264 (0.0062087, 0.0325442) |
| Papua Barat | Cerebrovascular disease                       | 40  | 532.8 (333.6, 777.0)   | 0.019843 (0.0124233, 0.0289367) | 964.8 (616.9, 1,427.4) | 0.041216 (0.0263573, 0.0609825) |
| Papua Barat | Ischemic heart disease                        | 40  | 605.4 (366.6, 900.1)   | 0.022545 (0.0136518, 0.0335186) | 595.6 (324.8, 946.2)   | 0.025445 (0.0138767, 0.0404255) |
| Papua Barat | Other cardiovascular and circulatory diseases | 40  | 149.3 (60.9, 334.2)    | 0.005559 (0.0022663, 0.0124475) | 290.5 (119.7, 606.7)   | 0.012411 (0.0051135, 0.0259201) |
| Papua Barat | Diabetes mellitus                             | 40  | 273.3 (154.1, 443.0)   | 0.010178 (0.0057373, 0.0164973) | 734.5 (416.3, 1,184.6) | 0.031378 (0.0177852, 0.0506087) |
| Papua Barat | Chronic kidney disease                        | 40  | 151.9 (88.3, 256.2)    | 0.005658 (0.0032887, 0.0095415) | 211.9 (111.2, 346.9)   | 0.009052 (0.0047516, 0.0148214) |
| Papua Barat | Cirrhosis                                     | 40  | 334.4 (177.9, 527.7)   | 0.012452 (0.0066232, 0.0196506) | 364.3 (187.7, 612.8)   | 0.015563 (0.0080186, 0.0261816) |
| Papua Barat | Chronic respiratory diseases                  | 40  | 281.2 (135.9, 481.5)   | 0.010472 (0.0050603, 0.0179297) | 310.7 (142.3, 583.6)   | 0.013275 (0.0060808, 0.0249327) |
| Papua Barat | Other non-communicable diseases               | 40  | 408.7 (251.2, 602.1)   | 0.015219 (0.0093565, 0.0224230) | 729.1 (458.9, 1,097.2) | 0.031147 (0.0196045, 0.0468726) |
| Papua Barat | Drowning                                      | 40  | 28.0 (7.6, 74.1)       | 0.001043 (0.0002837, 0.0027582) | 30.3 (8.9, 80.0)       | 0.001295 (0.0003797, 0.0034166) |
| Papua Barat | Falls                                         | 40  | 34.5 (9.5, 84.3)       | 0.001283 (0.0003545, 0.0031391) | 41.4 (11.8, 104.7)     | 0.001769 (0.0005036, 0.0044747) |
| Papua Barat | Interpersonal violence                        | 40  | 34.3 (11.8, 78.5)      | 0.001279 (0.0004389, 0.0029225) | 37.4 (12.0, 88.1)      | 0.001599 (0.0005111, 0.0037653) |
| Papua Barat | Self-harm                                     | 40  | 32.9 (9.1, 76.5)       | 0.001225 (0.0003387, 0.0028506) | 27.4 (7.1, 67.4)       | 0.001170 (0.0003054, 0.0028785) |
| Papua Barat | Transport injuries                            | 40  | 296.9 (129.0, 559.3)   | 0.011055 (0.0048046, 0.0208280) | 233.8 (91.5, 484.9)    | 0.009987 (0.0039093, 0.0207145) |
| Papua Barat | Other unintentional injuries                  | 40  | 131.6 (51.4, 265.4)    | 0.004901 (0.0019124, 0.0098825) | 108.7 (36.5, 236.7)    | 0.004644 (0.0015597, 0.0101141) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                  |                                 | Females                  |                                 |
|-------------|-----------------------------------------------|-----|------------------------|---------------------------------|--------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Papua Barat | Diarrheal diseases                            | 45  | 45.1 (10.9, 97.8)      | 0.002192 (0.0005279, 0.0047556) | 126.0 (39.5, 250.5)      | 0.007598 (0.0023825, 0.0150996) |
| Papua Barat | HIV/AIDS                                      | 45  | 41.9 (4.6, 144.8)      | 0.002038 (0.0002253, 0.0070389) | 74.8 (8.5, 255.1)        | 0.004508 (0.0005136, 0.0153771) |
| Papua Barat | Lower respiratory infections                  | 45  | 46.2 (12.8, 115.2)     | 0.002246 (0.0006218, 0.0056006) | 91.3 (26.7, 224.3)       | 0.005503 (0.0016067, 0.0135205) |
| Papua Barat | Malaria                                       | 45  | 30.0 (1.4, 126.4)      | 0.001461 (0.0000688, 0.0061441) | 42.7 (1.9, 208.7)        | 0.002573 (0.0001171, 0.0125813) |
| Papua Barat | Tuberculosis                                  | 45  | 506.7 (269.7, 793.1)   | 0.024637 (0.0131155, 0.0385655) | 607.4 (309.3, 961.8)     | 0.036620 (0.0186475, 0.0579864) |
| Papua Barat | Maternal disorders                            | 45  |                        |                                 | 15.3 (6.1, 32.0)         | 0.000921 (0.0003677, 0.0019314) |
| Papua Barat | Other communicable diseases                   | 45  | 95.8 (25.7, 196.1)     | 0.004659 (0.0012488, 0.0095348) | 213.1 (77.2, 403.7)      | 0.012849 (0.0046514, 0.0243401) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 45  | 55.0 (12.5, 144.7)     | 0.002675 (0.0006061, 0.0070387) | 33.9 (7.6, 86.8)         | 0.002044 (0.0004604, 0.0052358) |
| Papua Barat | Breast cancer                                 | 45  | 6.2 (1.5, 17.6)        | 0.000301 (0.0000725, 0.0008553) | 489.7 (187.9, 880.2)     | 0.029521 (0.0113303, 0.0530673) |
| Papua Barat | Cervical cancer                               | 45  |                        |                                 | 278.7 (74.9, 675.1)      | 0.016800 (0.0045171, 0.0407014) |
| Papua Barat | Other malignant neoplasms                     | 45  | 390.3 (183.0, 685.1)   | 0.018981 (0.0088987, 0.0333143) | 305.5 (105.7, 597.1)     | 0.018419 (0.0063708, 0.0360002) |
| Papua Barat | Cerebrovascular disease                       | 45  | 615.1 (391.2, 901.1)   | 0.029913 (0.0190242, 0.0438174) | 1,115.7 (741.6, 1,606.0) | 0.067263 (0.0447078, 0.0968227) |
| Papua Barat | Ischemic heart disease                        | 45  | 607.2 (372.1, 894.0)   | 0.029524 (0.0180962, 0.0434720) | 599.4 (338.8, 923.6)     | 0.036136 (0.0204230, 0.0556802) |
| Papua Barat | Other cardiovascular and circulatory diseases | 45  | 160.9 (65.9, 348.5)    | 0.007822 (0.0032041, 0.0169446) | 298.1 (124.2, 607.6)     | 0.017974 (0.0074861, 0.0366289) |
| Papua Barat | Diabetes mellitus                             | 45  | 359.8 (211.9, 576.3)   | 0.017494 (0.0103066, 0.0280265) | 912.1 (530.4, 1,408.4)   | 0.054991 (0.0319792, 0.0849084) |
| Papua Barat | Chronic kidney disease                        | 45  | 135.2 (78.3, 224.9)    | 0.006573 (0.0038097, 0.0109387) | 176.7 (94.9, 286.6)      | 0.010654 (0.0057185, 0.0172760) |
| Papua Barat | Cirrhosis                                     | 45  | 281.6 (148.5, 442.8)   | 0.013695 (0.0072194, 0.0215338) | 311.1 (157.0, 511.4)     | 0.018757 (0.0094664, 0.0308308) |
| Papua Barat | Chronic respiratory diseases                  | 45  | 313.9 (157.6, 527.9)   | 0.015266 (0.0076646, 0.0256722) | 336.9 (162.8, 592.1)     | 0.020312 (0.0098153, 0.0356939) |
| Papua Barat | Other non-communicable diseases               | 45  | 339.7 (207.7, 503.6)   | 0.016521 (0.0100978, 0.0244911) | 595.1 (377.8, 886.1)     | 0.035875 (0.0227751, 0.0534223) |
| Papua Barat | Drowning                                      | 45  | 15.1 (3.8, 45.2)       | 0.000732 (0.0001825, 0.0021973) | 19.8 (5.0, 53.3)         | 0.001193 (0.0002999, 0.0032158) |
| Papua Barat | Falls                                         | 45  | 30.5 (8.7, 75.8)       | 0.001485 (0.0004233, 0.0036844) | 42.1 (11.9, 105.3)       | 0.002536 (0.0007148, 0.0063467) |
| Papua Barat | Interpersonal violence                        | 45  | 24.1 (7.5, 52.4)       | 0.001174 (0.0003667, 0.0025502) | 25.1 (7.7, 61.0)         | 0.001510 (0.0004662, 0.0036804) |
| Papua Barat | Self-harm                                     | 45  | 26.5 (6.9, 63.3)       | 0.001290 (0.0003367, 0.0030795) | 20.3 (5.3, 50.6)         | 0.001225 (0.0003210, 0.0030496) |
| Papua Barat | Transport injuries                            | 45  | 240.4 (101.9, 467.4)   | 0.011688 (0.0049552, 0.0227306) | 204.0 (82.7, 415.0)      | 0.012296 (0.0049864, 0.0250209) |
| Papua Barat | Other unintentional injuries                  | 45  | 100.1 (38.0, 211.8)    | 0.004866 (0.0018485, 0.0102991) | 85.3 (29.4, 187.7)       | 0.005145 (0.0017718, 0.0113157) |
| Papua Barat | Diarrheal diseases                            | 50  | 54.7 (14.0, 116.4)     | 0.003519 (0.0008991, 0.0074853) | 134.7 (43.8, 256.0)      | 0.010899 (0.0035443, 0.0207164) |
| Papua Barat | HIV/AIDS                                      | 50  | 16.9 (1.7, 67.6)       | 0.001089 (0.0001118, 0.0043466) | 28.5 (3.0, 105.8)        | 0.002306 (0.0002417, 0.0085606) |
| Papua Barat | Lower respiratory infections                  | 50  | 54.7 (15.0, 131.1)     | 0.003516 (0.0009618, 0.0084276) | 100.2 (30.3, 234.8)      | 0.008113 (0.0024501, 0.0190057) |
| Papua Barat | Malaria                                       | 50  | 27.2 (1.3, 111.6)      | 0.001748 (0.0000846, 0.0071750) | 35.2 (1.4, 168.3)        | 0.002850 (0.0001150, 0.0136179) |
| Papua Barat | Tuberculosis                                  | 50  | 485.3 (274.6, 780.5)   | 0.031203 (0.0176564, 0.0501808) | 567.3 (309.3, 887.6)     | 0.045914 (0.0250321, 0.0718365) |
| Papua Barat | Maternal disorders                            | 50  |                        |                                 | 5.0 (1.4, 13.5)          | 0.000408 (0.0001173, 0.0010962) |
| Papua Barat | Other communicable diseases                   | 50  | 90.2 (24.3, 183.7)     | 0.005797 (0.0015635, 0.0118131) | 174.4 (64.4, 326.4)      | 0.014118 (0.0052102, 0.0264164) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 50  | 62.2 (14.1, 163.2)     | 0.004000 (0.0009079, 0.0104914) | 31.4 (7.1, 82.7)         | 0.002541 (0.0005748, 0.0066905) |
| Papua Barat | Breast cancer                                 | 50  | 6.2 (1.6, 17.4)        | 0.000396 (0.0001041, 0.0011182) | 340.7 (120.2, 649.1)     | 0.027579 (0.0097272, 0.0525343) |
| Papua Barat | Cervical cancer                               | 50  |                        |                                 | 224.5 (58.8, 533.6)      | 0.018171 (0.0047569, 0.0431913) |
| Papua Barat | Other malignant neoplasms                     | 50  | 324.1 (142.6, 568.1)   | 0.020839 (0.0091678, 0.0365228) | 241.1 (82.2, 474.9)      | 0.019512 (0.0066544, 0.0384381) |
| Papua Barat | Cerebrovascular disease                       | 50  | 737.9 (468.1, 1,042.8) | 0.047441 (0.0300964, 0.0670441) | 1,257.2 (852.0, 1,751.0) | 0.101754 (0.0689582, 0.1417237) |
| Papua Barat | Ischemic heart disease                        | 50  | 617.8 (372.4, 916.1)   | 0.039718 (0.0239403, 0.0589018) | 611.1 (347.3, 951.0)     | 0.049463 (0.0281090, 0.0769723) |
| Papua Barat | Other cardiovascular and circulatory diseases | 50  | 189.7 (79.9, 392.9)    | 0.012197 (0.0051365, 0.0252606) | 328.2 (140.0, 652.9)     | 0.026563 (0.0113346, 0.0528432) |
| Papua Barat | Diabetes mellitus                             | 50  | 417.7 (249.5, 654.3)   | 0.026855 (0.0160394, 0.0420683) | 1,001.9 (612.5, 1,501.7) | 0.081088 (0.0495735, 0.1215422) |
| Papua Barat | Chronic kidney disease                        | 50  | 123.0 (71.2, 197.5)    | 0.007905 (0.0045782, 0.0126965) | 155.3 (84.3, 248.5)      | 0.012568 (0.0068265, 0.0201140) |
| Papua Barat | Cirrhosis                                     | 50  | 263.5 (144.3, 412.4)   | 0.016940 (0.0092804, 0.0265151) | 272.1 (138.0, 446.4)     | 0.022020 (0.0111689, 0.0361279) |
| Papua Barat | Chronic respiratory diseases                  | 50  | 381.0 (194.5, 624.7)   | 0.024494 (0.0125030, 0.0401638) | 382.9 (192.0, 655.0)     | 0.030992 (0.0155407, 0.0530117) |
| Papua Barat | Other non-communicable diseases               | 50  | 321.2 (199.0, 473.7)   | 0.020652 (0.0127934, 0.0304542) | 528.6 (330.0, 785.0)     | 0.042783 (0.0267124, 0.0635328) |
| Papua Barat | Drowning                                      | 50  | 10.2 (2.6, 30.0)       | 0.000659 (0.0001668, 0.0019266) | 11.5 (3.0, 32.2)         | 0.000933 (0.0002467, 0.0026080) |
| Papua Barat | Falls                                         | 50  | 31.8 (8.9, 76.0)       | 0.002047 (0.0005729, 0.0048851) | 38.1 (10.7, 92.9)        | 0.003085 (0.0008688, 0.0075189) |
| Papua Barat | Interpersonal violence                        | 50  | 16.3 (5.1, 37.2)       | 0.001048 (0.0003275, 0.0023889) | 15.9 (4.6, 38.8)         | 0.001289 (0.0003715, 0.0031432) |
| Papua Barat | Self-harm                                     | 50  | 19.6 (5.2, 48.0)       | 0.001263 (0.0003352, 0.0030890) | 14.3 (3.7, 38.0)         | 0.001159 (0.0003016, 0.0030763) |
| Papua Barat | Transport injuries                            | 50  | 172.5 (71.0, 336.3)    | 0.011088 (0.0045680, 0.0216205) | 128.9 (50.6, 273.6)      | 0.010430 (0.0040924, 0.0221445) |
| Papua Barat | Other unintentional injuries                  | 50  | 73.3 (25.7, 158.7)     | 0.004712 (0.0016528, 0.0102014) | 56.5 (19.2, 127.6)       | 0.004572 (0.0015533, 0.0103271) |
| Papua Barat | Diarrheal diseases                            | 55  | 52.0 (13.0, 113.6)     | 0.004767 (0.0011894, 0.0104179) | 114.6 (36.8, 219.4)      | 0.014548 (0.0046755, 0.0278508) |
| Papua Barat | HIV/AIDS                                      | 55  | 6.2 (0.6, 24.7)        | 0.000573 (0.0000559, 0.0022680) | 9.6 (0.9, 37.0)          | 0.001215 (0.0001187, 0.0046934) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                  |                                 | Females                  |                                 |
|-------------|-----------------------------------------------|-----|------------------------|---------------------------------|--------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)          | YLLs per capita (95% UI)        | YLLs (95% UI)            | YLLs per capita (95% UI)        |
| Papua Barat | Lower respiratory infections                  | 55  | 51.2 (14.8, 122.5)     | 0.004694 (0.0013529, 0.0112358) | 83.7 (26.8, 193.5)       | 0.010630 (0.0033969, 0.0245696) |
| Papua Barat | Malaria                                       | 55  | 23.0 (1.1, 97.5)       | 0.002111 (0.0001006, 0.0089463) | 26.9 (1.0, 136.0)        | 0.003420 (0.0001239, 0.0172703) |
| Papua Barat | Tuberculosis                                  | 55  | 374.8 (203.9, 597.8)   | 0.034378 (0.0186982, 0.0548314) | 394.5 (206.8, 624.5)     | 0.050079 (0.0262606, 0.0792786) |
| Papua Barat | Other communicable diseases                   | 55  | 76.2 (20.7, 155.6)     | 0.006986 (0.0018997, 0.0142742) | 131.8 (49.1, 249.0)      | 0.016730 (0.0062322, 0.0316159) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 55  | 51.3 (12.2, 135.8)     | 0.004707 (0.0011213, 0.0124517) | 20.1 (4.6, 51.2)         | 0.002554 (0.0005853, 0.0065029) |
| Papua Barat | Breast cancer                                 | 55  | 4.7 (1.2, 13.2)        | 0.000434 (0.0001095, 0.0012128) | 203.2 (69.5, 399.5)      | 0.025795 (0.0088192, 0.0507140) |
| Papua Barat | Cervical cancer                               | 55  |                        |                                 | 138.2 (34.4, 337.2)      | 0.017548 (0.0043708, 0.0428083) |
| Papua Barat | Other malignant neoplasms                     | 55  | 210.8 (90.5, 375.3)    | 0.019338 (0.0083009, 0.0344201) | 165.6 (55.5, 331.1)      | 0.021024 (0.0070522, 0.0420330) |
| Papua Barat | Cerebrovascular disease                       | 55  | 762.6 (495.7, 1,056.6) | 0.069945 (0.0454622, 0.0969016) | 1,182.7 (840.7, 1,629.4) | 0.150150 (0.1067342, 0.2068612) |
| Papua Barat | Ischemic heart disease                        | 55  | 612.8 (377.5, 904.1)   | 0.056206 (0.0346255, 0.0829217) | 551.3 (318.6, 844.7)     | 0.069987 (0.0404514, 0.1072381) |
| Papua Barat | Other cardiovascular and circulatory diseases | 55  | 185.7 (79.5, 371.7)    | 0.017030 (0.0072958, 0.0340890) | 296.8 (124.9, 588.7)     | 0.037678 (0.0158530, 0.0747375) |
| Papua Barat | Diabetes mellitus                             | 55  | 381.7 (227.3, 592.0)   | 0.035009 (0.0208467, 0.0542942) | 843.5 (517.2, 1,245.9)   | 0.107085 (0.0656642, 0.1581768) |
| Papua Barat | Chronic kidney disease                        | 55  | 101.3 (58.3, 161.2)    | 0.009290 (0.0053444, 0.0147880) | 118.4 (65.0, 192.4)      | 0.015028 (0.0082469, 0.0244296) |
| Papua Barat | Cirrhosis                                     | 55  | 208.6 (117.8, 325.6)   | 0.019132 (0.0108050, 0.0298590) | 197.5 (102.3, 326.0)     | 0.025074 (0.0129860, 0.0413886) |
| Papua Barat | Chronic respiratory diseases                  | 55  | 355.8 (188.1, 562.4)   | 0.032636 (0.0172478, 0.0515837) | 334.0 (172.9, 551.3)     | 0.042406 (0.0219498, 0.0699904) |
| Papua Barat | Other non-communicable diseases               | 55  | 291.5 (180.5, 424.6)   | 0.026734 (0.0165544, 0.0389460) | 440.6 (278.5, 655.8)     | 0.055937 (0.0353583, 0.0832538) |
| Papua Barat | Drowning                                      | 55  | 7.0 (1.8, 19.7)        | 0.000644 (0.0001627, 0.0018025) | 6.8 (1.7, 18.6)          | 0.000867 (0.0002217, 0.0023555) |
| Papua Barat | Falls                                         | 55  | 31.1 (9.0, 78.7)       | 0.002855 (0.0008212, 0.0072135) | 32.5 (10.2, 79.5)        | 0.004123 (0.0012925, 0.0100896) |
| Papua Barat | Interpersonal violence                        | 55  | 10.6 (3.5, 23.5)       | 0.000976 (0.0003178, 0.0021553) | 9.2 (2.8, 22.2)          | 0.001172 (0.0003605, 0.0028210) |
| Papua Barat | Self-harm                                     | 55  | 14.5 (3.9, 35.3)       | 0.001332 (0.0003604, 0.0032358) | 9.4 (2.4, 24.6)          | 0.001198 (0.0003097, 0.0031172) |
| Papua Barat | Transport injuries                            | 55  | 104.1 (40.9, 215.1)    | 0.009543 (0.0037511, 0.0197250) | 67.8 (25.0, 150.6)       | 0.008609 (0.0031758, 0.0191135) |
| Papua Barat | Other unintentional injuries                  | 55  | 52.0 (18.3, 111.1)     | 0.004769 (0.0016816, 0.0101924) | 35.3 (12.2, 76.9)        | 0.004478 (0.0015471, 0.0097658) |
| Papua Barat | Diarrheal diseases                            | 60  | 50.4 (12.4, 103.6)     | 0.007828 (0.0019257, 0.0161116) | 99.9 (32.1, 190.4)       | 0.018981 (0.0061000, 0.0361761) |
| Papua Barat | HIV/AIDS                                      | 60  | 3.6 (0.4, 15.3)        | 0.000564 (0.0000550, 0.0023781) | 5.3 (0.5, 21.6)          | 0.001007 (0.0000915, 0.0041055) |
| Papua Barat | Lower respiratory infections                  | 60  | 59.7 (17.6, 137.8)     | 0.009284 (0.0027311, 0.0214249) | 90.8 (29.2, 210.2)       | 0.017255 (0.0055416, 0.0399398) |
| Papua Barat | Malaria                                       | 60  | 19.1 (0.9, 82.5)       | 0.002975 (0.0001373, 0.0128243) | 21.9 (0.9, 107.1)        | 0.004159 (0.0001645, 0.0203419) |
| Papua Barat | Tuberculosis                                  | 60  | 345.8 (194.9, 547.6)   | 0.053758 (0.0302933, 0.0851269) | 378.8 (204.7, 592.0)     | 0.071971 (0.0388917, 0.1124820) |
| Papua Barat | Other communicable diseases                   | 60  | 54.5 (15.1, 113.6)     | 0.008476 (0.0023450, 0.0176574) | 82.4 (29.0, 165.6)       | 0.015650 (0.0055117, 0.0314594) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 60  | 29.5 (6.8, 77.4)       | 0.004581 (0.0010590, 0.0120251) | 15.0 (3.5, 41.3)         | 0.002851 (0.0006587, 0.0078486) |
| Papua Barat | Breast cancer                                 | 60  | 3.4 (0.7, 9.7)         | 0.000529 (0.0001076, 0.0015115) | 123.0 (41.0, 244.1)      | 0.023373 (0.0077812, 0.0463822) |
| Papua Barat | Cervical cancer                               | 60  |                        |                                 | 86.3 (20.2, 215.3)       | 0.016403 (0.0038393, 0.0409082) |
| Papua Barat | Other malignant neoplasms                     | 60  | 154.2 (66.5, 275.5)    | 0.023977 (0.0103348, 0.0428189) | 135.7 (47.4, 262.4)      | 0.025782 (0.0089986, 0.0498604) |
| Papua Barat | Cerebrovascular disease                       | 60  | 692.5 (459.3, 956.6)   | 0.107643 (0.0713883, 0.1486971) | 1,062.4 (753.5, 1,445.8) | 0.201861 (0.1431649, 0.2747077) |
| Papua Barat | Ischemic heart disease                        | 60  | 483.9 (296.1, 714.7)   | 0.075214 (0.0460339, 0.1110937) | 472.6 (275.7, 719.4)     | 0.089805 (0.0523805, 0.1366852) |
| Papua Barat | Other cardiovascular and circulatory diseases | 60  | 165.9 (72.8, 336.1)    | 0.025796 (0.0113208, 0.0522433) | 262.3 (110.8, 511.4)     | 0.049832 (0.0210599, 0.0971706) |
| Papua Barat | Diabetes mellitus                             | 60  | 274.4 (160.0, 423.5)   | 0.042647 (0.0248666, 0.0658348) | 625.3 (371.3, 960.5)     | 0.118818 (0.0705496, 0.1824953) |
| Papua Barat | Chronic kidney disease                        | 60  | 73.4 (42.3, 118.8)     | 0.011407 (0.0065785, 0.0184730) | 89.7 (48.3, 147.3)       | 0.017040 (0.0091868, 0.0279897) |
| Papua Barat | Cirrhosis                                     | 60  | 150.1 (85.5, 232.9)    | 0.023336 (0.0132952, 0.0362000) | 137.9 (71.9, 232.5)      | 0.026210 (0.0136620, 0.0441841) |
| Papua Barat | Chronic respiratory diseases                  | 60  | 399.8 (223.9, 611.6)   | 0.062151 (0.0347994, 0.0950734) | 365.4 (195.4, 581.5)     | 0.069436 (0.0371293, 0.1104860) |
| Papua Barat | Other non-communicable diseases               | 60  | 268.0 (170.4, 387.1)   | 0.041662 (0.0264942, 0.0601771) | 400.8 (262.9, 587.7)     | 0.076152 (0.0499509, 0.1116680) |
| Papua Barat | Drowning                                      | 60  | 5.0 (1.2, 14.3)        | 0.000779 (0.0001799, 0.0022297) | 4.0 (0.9, 11.6)          | 0.000761 (0.0001632, 0.0022011) |
| Papua Barat | Falls                                         | 60  | 23.7 (7.0, 58.6)       | 0.003684 (0.0010935, 0.0091070) | 21.4 (6.5, 52.2)         | 0.004061 (0.0012287, 0.0099107) |
| Papua Barat | Interpersonal violence                        | 60  | 5.8 (1.9, 13.0)        | 0.000897 (0.0002916, 0.0020149) | 5.1 (1.6, 13.1)          | 0.000976 (0.0003040, 0.0024926) |
| Papua Barat | Self-harm                                     | 60  | 8.8 (2.3, 21.5)        | 0.001365 (0.0003578, 0.0033467) | 6.0 (1.6, 15.5)          | 0.001141 (0.0002984, 0.0029514) |
| Papua Barat | Transport injuries                            | 60  | 76.0 (29.2, 154.2)     | 0.011820 (0.0045396, 0.0239716) | 44.6 (16.2, 99.3)        | 0.008483 (0.0030688, 0.0188749) |
| Papua Barat | Other unintentional injuries                  | 60  | 35.6 (12.1, 77.3)      | 0.005526 (0.0018761, 0.0120197) | 22.8 (7.4, 51.0)         | 0.004337 (0.0013990, 0.0096809) |
| Papua Barat | Diarrheal diseases                            | 65  | 54.6 (15.8, 106.9)     | 0.014297 (0.0041284, 0.0279776) | 120.8 (48.0, 216.9)      | 0.039968 (0.0158899, 0.0717540) |
| Papua Barat | HIV/AIDS                                      | 65  | 2.3 (0.2, 8.8)         | 0.000603 (0.0000618, 0.0022955) | 3.5 (0.3, 14.2)          | 0.001164 (0.0001072, 0.0046854) |
| Papua Barat | Lower respiratory infections                  | 65  | 45.2 (14.0, 105.3)     | 0.011823 (0.0036637, 0.0275772) | 82.7 (28.6, 181.1)       | 0.027366 (0.0094680, 0.0599118) |
| Papua Barat | Malaria                                       | 65  | 14.2 (0.6, 65.1)       | 0.003716 (0.0001678, 0.0170425) | 14.7 (0.5, 85.2)         | 0.004855 (0.0001645, 0.0281675) |
| Papua Barat | Tuberculosis                                  | 65  | 250.2 (137.2, 394.2)   | 0.065497 (0.0359157, 0.1031827) | 250.3 (126.1, 393.2)     | 0.082780 (0.0417210, 0.1300574) |
| Papua Barat | Other communicable diseases                   | 65  | 34.4 (10.2, 69.8)      | 0.009013 (0.0026613, 0.0182613) | 63.3 (22.7, 122.7)       | 0.020933 (0.0075214, 0.0405806) |

Aim 2 Supplementary Tables

| Location    | Cause group                                   | Age | Males                |                                 | Females                |                                 |
|-------------|-----------------------------------------------|-----|----------------------|---------------------------------|------------------------|---------------------------------|
|             |                                               |     | YLLs (95% UI)        | YLLs per capita (95% UI)        | YLLs (95% UI)          | YLLs per capita (95% UI)        |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 65  | 18.5 (4.3, 48.7)     | 0.004841 (0.0011379, 0.0127422) | 7.7 (1.7, 20.6)        | 0.002537 (0.0005731, 0.0068044) |
| Papua Barat | Breast cancer                                 | 65  | 1.9 (0.3, 5.6)       | 0.000488 (0.0000798, 0.0014705) | 52.7 (16.2, 110.2)     | 0.017444 (0.0053634, 0.0364439) |
| Papua Barat | Cervical cancer                               | 65  |                      |                                 | 45.8 (10.2, 118.5)     | 0.015146 (0.0033593, 0.0391980) |
| Papua Barat | Other malignant neoplasms                     | 65  | 86.3 (36.4, 158.9)   | 0.022583 (0.0095393, 0.0416006) | 84.3 (30.9, 166.8)     | 0.027881 (0.0102308, 0.0551731) |
| Papua Barat | Cerebrovascular disease                       | 65  | 499.5 (332.8, 688.5) | 0.130758 (0.0871241, 0.1802374) | 810.9 (588.7, 1,072.5) | 0.268223 (0.1947184, 0.3547639) |
| Papua Barat | Ischemic heart disease                        | 65  | 330.7 (198.3, 487.3) | 0.086555 (0.0519034, 0.1275524) | 312.5 (182.7, 475.8)   | 0.103384 (0.0604406, 0.1573996) |
| Papua Barat | Other cardiovascular and circulatory diseases | 65  | 128.9 (56.3, 257.5)  | 0.033734 (0.0147376, 0.0673937) | 198.0 (85.4, 383.0)    | 0.065510 (0.0282428, 0.1266752) |
| Papua Barat | Diabetes mellitus                             | 65  | 155.2 (91.2, 241.7)  | 0.040638 (0.0238802, 0.0632773) | 350.8 (204.4, 542.4)   | 0.116049 (0.0675982, 0.1794066) |
| Papua Barat | Chronic kidney disease                        | 65  | 49.0 (28.8, 80.8)    | 0.012824 (0.0075276, 0.0211527) | 54.7 (29.9, 90.0)      | 0.018095 (0.0098993, 0.0297862) |
| Papua Barat | Cirrhosis                                     | 65  | 80.3 (44.9, 127.1)   | 0.021013 (0.0117585, 0.0332646) | 82.7 (43.3, 134.8)     | 0.027370 (0.0143305, 0.0445727) |
| Papua Barat | Chronic respiratory diseases                  | 65  | 307.2 (175.8, 457.4) | 0.080420 (0.0460177, 0.1197325) | 275.8 (152.7, 434.2)   | 0.091225 (0.0504936, 0.1436131) |
| Papua Barat | Other non-communicable diseases               | 65  | 209.5 (133.6, 298.2) | 0.054834 (0.0349823, 0.0780503) | 318.9 (210.0, 462.3)   | 0.105472 (0.0694750, 0.1529298) |
| Papua Barat | Drowning                                      | 65  | 2.5 (0.5, 7.1)       | 0.000647 (0.0001384, 0.0018492) | 3.3 (0.8, 8.9)         | 0.001080 (0.0002486, 0.0029572) |
| Papua Barat | Falls                                         | 65  | 15.6 (4.5, 39.4)     | 0.004072 (0.0011877, 0.0103157) | 19.8 (6.4, 48.5)       | 0.006546 (0.0021042, 0.0160395) |
| Papua Barat | Interpersonal violence                        | 65  | 3.1 (1.0, 7.6)       | 0.000820 (0.0002549, 0.0019885) | 2.5 (0.7, 6.8)         | 0.000820 (0.0002355, 0.0022559) |
| Papua Barat | Self-harm                                     | 65  | 5.6 (1.4, 13.9)      | 0.001458 (0.0003724, 0.0036448) | 3.1 (0.8, 8.2)         | 0.001027 (0.0002541, 0.0027178) |
| Papua Barat | Transport injuries                            | 65  | 41.1 (15.6, 86.6)    | 0.010752 (0.0040759, 0.0226664) | 30.0 (10.3, 67.3)      | 0.009917 (0.0033917, 0.0222732) |
| Papua Barat | Other unintentional injuries                  | 65  | 21.5 (7.7, 46.0)     | 0.005636 (0.0020113, 0.0120322) | 15.1 (5.1, 34.0)       | 0.005002 (0.0016979, 0.0112588) |
| Papua Barat | Diarrheal diseases                            | 70  | 53.9 (17.7, 100.6)   | 0.026211 (0.0086146, 0.0488793) | 97.7 (41.7, 167.8)     | 0.064608 (0.0275807, 0.1109344) |
| Papua Barat | HIV/AIDS                                      | 70  | 2.1 (0.2, 8.0)       | 0.001016 (0.0000957, 0.0038961) | 2.8 (0.3, 11.5)        | 0.001825 (0.0001954, 0.0075795) |
| Papua Barat | Lower respiratory infections                  | 70  | 39.4 (12.8, 88.5)    | 0.019159 (0.0062298, 0.0429888) | 63.3 (22.5, 134.6)     | 0.041837 (0.0148792, 0.0889975) |
| Papua Barat | Malaria                                       | 70  | 9.8 (0.4, 49.6)      | 0.004738 (0.0002075, 0.0240851) | 8.5 (0.3, 52.3)        | 0.005607 (0.0001793, 0.0346121) |
| Papua Barat | Tuberculosis                                  | 70  | 176.8 (95.3, 281.9)  | 0.085899 (0.0462809, 0.1369490) | 163.7 (80.8, 262.2)    | 0.108241 (0.0534434, 0.1733850) |
| Papua Barat | Other communicable diseases                   | 70  | 25.5 (8.2, 51.4)     | 0.012377 (0.0039839, 0.0249788) | 37.9 (14.7, 74.6)      | 0.025057 (0.0097157, 0.0493015) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 70  | 9.7 (2.3, 26.0)      | 0.004732 (0.0011252, 0.0126346) | 3.9 (0.9, 10.5)        | 0.002612 (0.0005758, 0.0069195) |
| Papua Barat | Breast cancer                                 | 70  | 0.9 (0.1, 3.0)       | 0.000430 (0.0000654, 0.0014694) | 21.1 (6.4, 44.8)       | 0.013975 (0.0042548, 0.0296409) |
| Papua Barat | Cervical cancer                               | 70  |                      |                                 | 16.8 (3.6, 44.3)       | 0.011099 (0.0023870, 0.0293043) |
| Papua Barat | Other malignant neoplasms                     | 70  | 45.2 (18.8, 83.0)    | 0.021978 (0.0091338, 0.0403230) | 43.2 (16.2, 83.9)      | 0.028564 (0.0106815, 0.0554462) |
| Papua Barat | Cerebrovascular disease                       | 70  | 343.6 (230.7, 470.4) | 0.166921 (0.1120798, 0.2285481) | 519.4 (381.3, 685.4)   | 0.343415 (0.2521004, 0.4531974) |
| Papua Barat | Ischemic heart disease                        | 70  | 212.3 (125.8, 315.3) | 0.103155 (0.0611105, 0.1532101) | 200.9 (118.1, 314.0)   | 0.132867 (0.0780986, 0.2076587) |
| Papua Barat | Other cardiovascular and circulatory diseases | 70  | 95.4 (41.2, 188.6)   | 0.046349 (0.0200260, 0.0916433) | 134.2 (58.6, 254.7)    | 0.088716 (0.0387153, 0.1684135) |
| Papua Barat | Diabetes mellitus                             | 70  | 78.1 (45.2, 124.4)   | 0.037949 (0.0219470, 0.0604255) | 167.9 (95.5, 266.2)    | 0.111017 (0.0631600, 0.1760100) |
| Papua Barat | Chronic kidney disease                        | 70  | 28.8 (16.7, 46.8)    | 0.013980 (0.0080919, 0.0227576) | 30.5 (17.0, 49.8)      | 0.020147 (0.0112216, 0.0329389) |
| Papua Barat | Cirrhosis                                     | 70  | 45.3 (24.8, 73.1)    | 0.022019 (0.0120401, 0.0354929) | 42.8 (22.1, 69.1)      | 0.028288 (0.0146146, 0.0456604) |
| Papua Barat | Chronic respiratory diseases                  | 70  | 251.4 (150.7, 360.3) | 0.122143 (0.0732388, 0.1750750) | 205.7 (117.6, 312.6)   | 0.136041 (0.0777355, 0.2066718) |
| Papua Barat | Other non-communicable diseases               | 70  | 155.8 (99.8, 223.8)  | 0.075718 (0.0485097, 0.1087163) | 218.9 (146.3, 310.2)   | 0.144745 (0.0967110, 0.2051266) |
| Papua Barat | Drowning                                      | 70  | 2.7 (0.6, 7.8)       | 0.001317 (0.0003012, 0.0037881) | 2.9 (0.7, 7.7)         | 0.001928 (0.0004935, 0.0050944) |
| Papua Barat | Falls                                         | 70  | 11.3 (3.3, 27.9)     | 0.005470 (0.0016248, 0.0135470) | 12.1 (3.8, 29.0)       | 0.008022 (0.0024877, 0.0191842) |
| Papua Barat | Interpersonal violence                        | 70  | 1.5 (0.4, 3.8)       | 0.000730 (0.0002138, 0.0018590) | 1.1 (0.3, 3.0)         | 0.000714 (0.0001897, 0.0019729) |
| Papua Barat | Self-harm                                     | 70  | 3.2 (0.8, 7.8)       | 0.001537 (0.0003885, 0.0038116) | 1.6 (0.4, 4.4)         | 0.001078 (0.0002678, 0.0028850) |
| Papua Barat | Transport injuries                            | 70  | 25.8 (9.4, 56.0)     | 0.012542 (0.0045786, 0.0272182) | 16.3 (5.6, 37.6)       | 0.010754 (0.0036779, 0.0248466) |
| Papua Barat | Other unintentional injuries                  | 70  | 13.9 (5.1, 30.2)     | 0.006745 (0.0025011, 0.0146537) | 8.6 (3.0, 20.3)        | 0.005700 (0.0019993, 0.0133914) |
| Papua Barat | Diarrheal diseases                            | 75  | 26.1 (8.5, 48.1)     | 0.033014 (0.0107600, 0.0607176) | 36.4 (14.8, 62.2)      | 0.072204 (0.0293180, 0.1234335) |
| Papua Barat | HIV/AIDS                                      | 75  | 0.7 (0.1, 2.9)       | 0.000869 (0.0000794, 0.0036693) | 0.8 (0.1, 3.3)         | 0.001585 (0.0001600, 0.0064762) |
| Papua Barat | Lower respiratory infections                  | 75  | 16.8 (5.6, 36.6)     | 0.021198 (0.0070119, 0.0462488) | 20.2 (7.0, 43.8)       | 0.040214 (0.0139944, 0.0870328) |
| Papua Barat | Malaria                                       | 75  | 4.3 (0.2, 21.8)      | 0.005480 (0.0002275, 0.0275375) | 3.7 (0.1, 21.0)        | 0.007386 (0.0002637, 0.0417984) |
| Papua Barat | Tuberculosis                                  | 75  | 66.1 (34.1, 105.6)   | 0.083497 (0.0430512, 0.1334059) | 62.7 (31.6, 99.3)      | 0.124534 (0.0627845, 0.1971254) |
| Papua Barat | Other communicable diseases                   | 75  | 9.8 (3.1, 20.3)      | 0.012338 (0.0039682, 0.0256052) | 10.2 (3.6, 20.5)       | 0.020208 (0.0070708, 0.0407575) |
| Papua Barat | Tracheal, bronchus, and lung cancer           | 75  | 3.4 (0.8, 9.4)       | 0.004299 (0.0010416, 0.0119014) | 1.2 (0.3, 3.6)         | 0.002470 (0.0005546, 0.0070721) |
| Papua Barat | Breast cancer                                 | 75  | 0.2 (0.0, 0.8)       | 0.000304 (0.0000434, 0.0010660) | 7.3 (2.3, 16.0)        | 0.014482 (0.0045263, 0.0317244) |
| Papua Barat | Cervical cancer                               | 75  |                      |                                 | 3.3 (0.6, 9.9)         | 0.006547 (0.0011316, 0.0197439) |
| Papua Barat | Other malignant neoplasms                     | 75  | 14.7 (6.1, 27.0)     | 0.018561 (0.0077439, 0.0341700) | 16.6 (6.6, 32.3)       | 0.033055 (0.0130604, 0.0640554) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males                       |                                 | Females                     |                                 |
|-------------|----------------------------------------------------------|-----|-----------------------------|---------------------------------|-----------------------------|---------------------------------|
|             |                                                          |     | YLLs (95% UI)               | YLLs per capita (95% UI)        | YLLs (95% UI)               | YLLs per capita (95% UI)        |
| Papua Barat | Cerebrovascular disease                                  | 75  | 140.3 (93.3, 194.0)         | 0.177226 (0.1178194, 0.2450437) | 191.1 (139.6, 250.5)        | 0.379549 (0.2771819, 0.4974041) |
| Papua Barat | Ischemic heart disease                                   | 75  | 95.6 (57.4, 141.8)          | 0.120749 (0.0725476, 0.1791527) | 90.6 (52.7, 137.9)          | 0.179903 (0.1045775, 0.2739124) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 75  | 41.0 (18.0, 79.8)           | 0.051760 (0.0227300, 0.1008489) | 56.9 (24.5, 105.7)          | 0.113051 (0.0486458, 0.2099156) |
| Papua Barat | Diabetes mellitus                                        | 75  | 27.4 (15.6, 44.8)           | 0.034635 (0.0196471, 0.0566527) | 58.9 (33.7, 92.2)           | 0.117014 (0.0669920, 0.1831023) |
| Papua Barat | Chronic kidney disease                                   | 75  | 10.9 (6.3, 18.0)            | 0.013810 (0.0079867, 0.0226893) | 12.4 (7.0, 20.1)            | 0.024615 (0.0139567, 0.0398504) |
| Papua Barat | Cirrhosis                                                | 75  | 16.1 (8.6, 25.9)            | 0.020299 (0.0109113, 0.0327023) | 12.8 (6.7, 21.3)            | 0.025505 (0.0133350, 0.0422776) |
| Papua Barat | Chronic respiratory diseases                             | 75  | 104.4 (62.8, 151.0)         | 0.131931 (0.0793642, 0.1908075) | 85.1 (49.5, 128.8)          | 0.168980 (0.0982399, 0.2558432) |
| Papua Barat | Other non-communicable diseases                          | 75  | 73.7 (48.1, 105.3)          | 0.093106 (0.0608050, 0.1329661) | 97.1 (66.3, 135.2)          | 0.192742 (0.1317448, 0.2684164) |
| Papua Barat | Drowning                                                 | 75  | 1.4 (0.3, 4.3)              | 0.001817 (0.0004240, 0.0054591) | 0.8 (0.2, 2.3)              | 0.001604 (0.0003746, 0.0045093) |
| Papua Barat | Falls                                                    | 75  | 5.3 (1.6, 12.5)             | 0.006654 (0.0020067, 0.0158248) | 3.5 (1.1, 8.3)              | 0.007001 (0.0022261, 0.0165483) |
| Papua Barat | Interpersonal violence                                   | 75  | 0.5 (0.1, 1.5)              | 0.000638 (0.0001410, 0.0018904) | 0.4 (0.1, 1.2)              | 0.000746 (0.0001663, 0.0023233) |
| Papua Barat | Self-harm                                                | 75  | 1.3 (0.3, 3.3)              | 0.001661 (0.0003924, 0.0041955) | 0.8 (0.2, 2.1)              | 0.001540 (0.0003806, 0.0042125) |
| Papua Barat | Transport injuries                                       | 75  | 7.8 (2.7, 17.3)             | 0.009847 (0.0033875, 0.0218272) | 3.5 (1.1, 8.3)              | 0.006918 (0.0021151, 0.0165351) |
| Papua Barat | Other unintentional injuries                             | 75  | 5.5 (1.9, 11.7)             | 0.006942 (0.0023952, 0.0147596) | 2.8 (1.0, 6.3)              | 0.005583 (0.0019826, 0.0124957) |
| Papua Barat | Diarrheal diseases                                       | 80  | 52.8 (22.3, 85.5)           | 0.099654 (0.0420901, 0.1613794) | 104.2 (49.4, 162.8)         | 0.160271 (0.0759814, 0.2503961) |
| Papua Barat | HIV/AIDS                                                 | 80  | 0.8 (0.1, 3.0)              | 0.001432 (0.0001227, 0.0057244) | 1.4 (0.1, 5.6)              | 0.002209 (0.0002009, 0.0086717) |
| Papua Barat | Lower respiratory infections                             | 80  | 24.6 (9.3, 49.9)            | 0.046350 (0.0174562, 0.0941011) | 44.2 (16.4, 92.2)           | 0.067933 (0.0251588, 0.1418022) |
| Papua Barat | Malaria                                                  | 80  | 5.0 (0.2, 26.7)             | 0.009387 (0.0003260, 0.0504493) | 7.1 (0.2, 43.3)             | 0.010914 (0.0003505, 0.0666142) |
| Papua Barat | Tuberculosis                                             | 80  | 60.2 (28.3, 97.9)           | 0.113622 (0.0534367, 0.1847445) | 105.6 (49.9, 169.5)         | 0.162512 (0.0768182, 0.2607342) |
| Papua Barat | Other communicable diseases                              | 80  | 14.6 (5.4, 28.6)            | 0.027553 (0.0100948, 0.0538940) | 20.4 (7.7, 40.9)            | 0.031333 (0.0119100, 0.0629003) |
| Papua Barat | Tracheal, bronchus, and lung cancer                      | 80  | 2.4 (0.5, 6.8)              | 0.004592 (0.0010066, 0.0128825) | 1.7 (0.4, 5.0)              | 0.002649 (0.0005898, 0.0077485) |
| Papua Barat | Breast cancer                                            | 80  | 0.1 (0.0, 0.5)              | 0.000258 (0.0000325, 0.0009469) | 7.7 (2.0, 18.9)             | 0.011869 (0.0031102, 0.0290891) |
| Papua Barat | Cervical cancer                                          | 80  |                             |                                 | 3.3 (0.5, 10.6)             | 0.005020 (0.0007980, 0.0163114) |
| Papua Barat | Other malignant neoplasms                                | 80  | 10.8 (4.4, 20.9)            | 0.020356 (0.0083446, 0.0395100) | 21.8 (8.5, 41.7)            | 0.033612 (0.0130170, 0.0641496) |
| Papua Barat | Cerebrovascular disease                                  | 80  | 143.3 (102.1, 188.5)        | 0.270372 (0.1927049, 0.3557339) | 328.9 (246.2, 419.8)        | 0.505939 (0.3788038, 0.6459204) |
| Papua Barat | Ischemic heart disease                                   | 80  | 82.0 (48.5, 119.1)          | 0.154711 (0.0914607, 0.2246476) | 148.3 (89.5, 228.3)         | 0.228166 (0.1377261, 0.3512667) |
| Papua Barat | Other cardiovascular and circulatory diseases            | 80  | 36.3 (15.9, 75.5)           | 0.068530 (0.0300048, 0.1424244) | 88.0 (38.3, 168.0)          | 0.135405 (0.0588808, 0.2584614) |
| Papua Barat | Diabetes mellitus                                        | 80  | 20.4 (11.5, 33.1)           | 0.038538 (0.0217768, 0.0624400) | 79.5 (43.6, 129.0)          | 0.122315 (0.0670356, 0.1983867) |
| Papua Barat | Chronic kidney disease                                   | 80  | 7.9 (4.5, 13.2)             | 0.014927 (0.0085556, 0.0248404) | 16.9 (9.5, 28.0)            | 0.026013 (0.0146329, 0.0430248) |
| Papua Barat | Cirrhosis                                                | 80  | 14.5 (7.8, 22.9)            | 0.027278 (0.0147570, 0.0432662) | 18.6 (9.7, 31.0)            | 0.028660 (0.0148864, 0.0477454) |
| Papua Barat | Chronic respiratory diseases                             | 80  | 99.7 (62.6, 141.2)          | 0.188130 (0.1181072, 0.2663224) | 139.8 (81.2, 211.0)         | 0.215051 (0.1249219, 0.3246124) |
| Papua Barat | Other non-communicable diseases                          | 80  | 80.0 (53.9, 109.9)          | 0.151000 (0.1016842, 0.2073293) | 179.9 (127.1, 244.6)        | 0.276795 (0.1954964, 0.3763654) |
| Papua Barat | Drowning                                                 | 80  | 2.2 (0.6, 5.8)              | 0.004106 (0.0010934, 0.0109173) | 1.4 (0.4, 4.0)              | 0.002213 (0.0005530, 0.0060858) |
| Papua Barat | Falls                                                    | 80  | 9.3 (3.1, 20.4)             | 0.017478 (0.0058949, 0.0385299) | 8.1 (2.8, 17.7)             | 0.012474 (0.0042964, 0.0272808) |
| Papua Barat | Interpersonal violence                                   | 80  | 0.3 (0.1, 1.1)              | 0.000642 (0.0001029, 0.0021102) | 0.5 (0.1, 1.6)              | 0.000727 (0.0001139, 0.0025277) |
| Papua Barat | Self-harm                                                | 80  | 1.0 (0.2, 2.7)              | 0.001860 (0.0004415, 0.0051503) | 1.2 (0.3, 3.2)              | 0.001774 (0.0004077, 0.0048531) |
| Papua Barat | Transport injuries                                       | 80  | 8.2 (2.6, 19.0)             | 0.015428 (0.0049181, 0.0358559) | 5.2 (1.5, 13.2)             | 0.008073 (0.0023563, 0.0202568) |
| Papua Barat | Other unintentional injuries                             | 80  | 5.5 (1.9, 12.2)             | 0.010409 (0.0035527, 0.0229824) | 4.5 (1.4, 10.5)             | 0.006861 (0.0022221, 0.0161910) |
| Papua Barat | Diarrheal diseases                                       | All | 3,095.1 (1,394.5, 5,553.4)  | 0.007210 (0.0032484, 0.0129362) | 4,153.4 (2,005.5, 7,088.8)  | 0.010953 (0.0052885, 0.0186931) |
| Papua Barat | HIV/AIDS                                                 | All | 1,745.1 (264.1, 4,830.7)    | 0.004065 (0.0006152, 0.0112528) | 1,959.5 (291.6, 5,006.6)    | 0.005167 (0.0007689, 0.0132023) |
| Papua Barat | Lower respiratory infections                             | All | 7,446.5 (4,012.8, 12,397.5) | 0.017346 (0.0093474, 0.0288787) | 5,907.5 (3,297.5, 9,955.0)  | 0.015578 (0.0086954, 0.0262510) |
| Papua Barat | Malaria                                                  | All | 747.2 (34.9, 3,628.5)       | 0.001740 (0.0000813, 0.0084523) | 808.4 (36.2, 4,160.8)       | 0.002132 (0.0000955, 0.0109720) |
| Papua Barat | Tuberculosis                                             | All | 7,133.3 (3,699.4, 11,361.4) | 0.016617 (0.0086173, 0.0264654) | 7,228.0 (3,647.0, 11,421.1) | 0.019060 (0.0096169, 0.0301171) |
| Papua Barat | Maternal disorders                                       | All |                             |                                 | 1,671.2 (925.9, 2,743.7)    | 0.004407 (0.0024417, 0.0072350) |
| Papua Barat | Neonatal encephalopathy due to birth asphyxia and trauma | All | 6,174.8 (2,645.8, 10,895.7) | 0.014384 (0.0061632, 0.0253804) | 4,184.4 (1,923.8, 7,884.1)  | 0.011034 (0.0050730, 0.0207903) |
| Papua Barat | Preterm birth complications                              | All | 4,539.4 (1,712.1, 9,124.0)  | 0.010574 (0.0039881, 0.0212535) | 4,131.4 (1,705.4, 7,989.6)  | 0.010894 (0.0044970, 0.0210684) |
| Papua Barat | Other neonatal disorders                                 | All | 4,701.9 (1,239.8, 9,821.4)  | 0.010953 (0.0028880, 0.0228781) | 3,122.7 (733.9, 7,297.4)    | 0.008234 (0.0019352, 0.0192430) |
| Papua Barat | Other communicable diseases                              | All | 7,430.2 (3,963.9, 12,162.9) | 0.017308 (0.0092336, 0.0283324) | 7,146.6 (3,774.8, 11,671.2) | 0.018845 (0.0099539, 0.0307767) |
| Papua Barat | Tracheal, bronchus, and lung cancer                      | All | 334.1 (81.6, 909.4)         | 0.000778 (0.0001900, 0.0021183) | 247.6 (55.0, 665.5)         | 0.000653 (0.0001451, 0.0017549) |
| Papua Barat | Breast cancer                                            | All | 37.1 (10.0, 99.5)           | 0.000086 (0.0000233, 0.0002317) | 3,370.9 (1,318.4, 6,391.0)  | 0.008889 (0.0034765, 0.0168528) |
| Papua Barat | Cervical cancer                                          | All |                             |                                 | 1,909.0 (477.2, 4,573.3)    | 0.005034 (0.0012584, 0.0120596) |

Aim 2 Supplementary Tables

| Location    | Cause group                                              | Age | Males         |                     |                          |                         | Females       |                     |                          |                        |
|-------------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|-------------------------|---------------|---------------------|--------------------------|------------------------|
|             |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                         | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        |
| Papua Barat | Other malignant neoplasms                                | All | 3,619.4       | (1,635.7, 6,248.9)  | 0.008431                 | (0.0038102, 0.0145562)  | 4,137.9       | (1,828.3, 7,347.5)  | 0.010912                 | (0.0048213, 0.0193752) |
| Papua Barat | Cerebrovascular disease                                  | All | 5,449.2       | (3,551.2, 7,670.9)  | 0.012694                 | (0.0082721, 0.0178687)  | 9,135.4       | (6,259.4, 12,761.3) | 0.024090                 | (0.0165059, 0.0336513) |
| Papua Barat | Ischemic heart disease                                   | All | 4,857.7       | (2,942.2, 7,224.9)  | 0.011316                 | (0.0068535, 0.0168297)  | 4,795.6       | (2,744.2, 7,494.9)  | 0.012646                 | (0.0072365, 0.0197638) |
| Papua Barat | Other cardiovascular and circulatory diseases            | All | 1,621.9       | (704.1, 3,369.5)    | 0.003778                 | (0.0016400, 0.0078490)  | 2,825.3       | (1,187.8, 5,637.8)  | 0.007450                 | (0.0031321, 0.0148668) |
| Papua Barat | Diabetes mellitus                                        | All | 2,392.9       | (1,393.2, 3,743.2)  | 0.005574                 | (0.0032453, 0.0087195)  | 5,918.0       | (3,476.9, 9,177.6)  | 0.015606                 | (0.0091685, 0.0242011) |
| Papua Barat | Chronic kidney disease                                   | All | 1,363.5       | (797.9, 2,212.8)    | 0.003176                 | (0.0018585, 0.0051544)  | 1,868.8       | (1,036.1, 2,976.9)  | 0.004928                 | (0.0027321, 0.0078500) |
| Papua Barat | Cirrhosis                                                | All | 2,736.2       | (1,519.1, 4,257.5)  | 0.006374                 | (0.0035387, 0.0099174)  | 2,728.7       | (1,435.8, 4,551.2)  | 0.007195                 | (0.0037862, 0.0120013) |
| Papua Barat | Chronic respiratory diseases                             | All | 3,919.9       | (2,124.2, 6,337.5)  | 0.009131                 | (0.0049482, 0.0147626)  | 3,808.3       | (1,993.4, 6,528.7)  | 0.010042                 | (0.0052566, 0.0172160) |
| Papua Barat | Other non-communicable diseases                          | All | 8,122.4       | (5,455.2, 11,273.4) | 0.018920                 | (0.0127074, 0.0262603)  | 11,287.4      | (7,780.9, 15,689.0) | 0.029765                 | (0.0205179, 0.0413716) |
| Papua Barat | Drowning                                                 | All | 2,371.7       | (1,057.7, 4,517.5)  | 0.005525                 | (0.0024637, 0.0105230)  | 999.0         | (384.7, 2,071.2)    | 0.002634                 | (0.0010144, 0.0054618) |
| Papua Barat | Falls                                                    | All | 728.3         | (254.5, 1,666.6)    | 0.001697                 | (0.0005928, 0.0038823)  | 546.8         | (180.5, 1,287.8)    | 0.001442                 | (0.0004761, 0.0033960) |
| Papua Barat | Interpersonal violence                                   | All | 706.7         | (309.3, 1,404.8)    | 0.001646                 | (0.0007206, 0.0032724)  | 699.8         | (266.1, 1,495.2)    | 0.001845                 | (0.0007016, 0.0039429) |
| Papua Barat | Self-harm                                                | All | 468.1         | (154.1, 1,024.3)    | 0.001090                 | (0.0003589, 0.0023860)  | 415.0         | (120.2, 937.3)      | 0.001094                 | (0.0003170, 0.0024716) |
| Papua Barat | Transport injuries                                       | All | 6,931.8       | (3,856.1, 11,150.4) | 0.016147                 | (0.0089824, 0.0259738)  | 4,397.1       | (2,158.7, 7,940.9)  | 0.011595                 | (0.0056925, 0.0209399) |
| Papua Barat | Other unintentional injuries                             | All | 3,053.7       | (1,367.1, 5,566.7)  | 0.007113                 | (0.0031845, 0.0129671)  | 1,787.9       | (725.7, 3,636.8)    | 0.004715                 | (0.0019137, 0.0095902) |
| Papua       | Diarrheal diseases                                       | NN  | 231.3         | (64.4, 538.8)       | 0.125587                 | (0.0349966, 0.2925697)  | 227.5         | (67.7, 557.6)       | 0.122479                 | (0.0364283, 0.3001986) |
| Papua       | Lower respiratory infections                             | NN  | 6,982.5       | (2,787.1, 12,953.0) | 3.791717                 | (1.5134749, 7.0339112)  | 4,870.9       | (1,910.9, 9,652.1)  | 2.622493                 | (1.0288450, 5.1966801) |
| Papua       | Malaria                                                  | NN  | 47.6          | (5.2, 171.0)        | 0.025830                 | (0.0028059, 0.0928506)  | 32.6          | (3.4, 130.4)        | 0.017556                 | (0.0018574, 0.0702288) |
| Papua       | Neonatal encephalopathy due to birth asphyxia and trauma | NN  | 11,991.8      | (4,767.8, 21,503.9) | 6.511968                 | (2.5890729, 11.6773500) | 9,169.4       | (3,748.4, 17,446.6) | 4.936768                 | (2.0181539, 9.3932266) |
| Papua       | Preterm birth complications                              | NN  | 3,129.9       | (594.4, 8,343.2)    | 1.699618                 | (0.3227731, 4.5306392)  | 3,169.5       | (642.2, 8,031.9)    | 1.706431                 | (0.3457719, 4.3243380) |
| Papua       | Other neonatal disorders                                 | NN  | 3,854.6       | (462.4, 11,071.3)   | 2.093155                 | (0.2511196, 6.0121002)  | 2,728.0       | (323.0, 8,271.6)    | 1.468759                 | (0.1738996, 4.4534311) |
| Papua       | Other communicable diseases                              | NN  | 319.7         | (101.9, 716.3)      | 0.173627                 | (0.0553536, 0.3889799)  | 221.8         | (69.4, 579.8)       | 0.119438                 | (0.0373812, 0.3121402) |
| Papua       | Other malignant neoplasms                                | NN  | 185.7         | (60.1, 408.3)       | 0.100853                 | (0.0326169, 0.2217351)  | 149.3         | (47.6, 353.1)       | 0.080366                 | (0.0256222, 0.1900908) |
| Papua       | Cerebrovascular disease                                  | NN  | 34.8          | (7.5, 108.9)        | 0.018895                 | (0.0040776, 0.0591580)  | 38.0          | (8.3, 110.4)        | 0.020453                 | (0.0044765, 0.0594163) |
| Papua       | Other cardiovascular and circulatory diseases            | NN  | 26.8          | (5.5, 80.1)         | 0.014569                 | (0.0029827, 0.0434844)  | 26.3          | (5.3, 81.0)         | 0.014136                 | (0.0028648, 0.0435883) |
| Papua       | Diabetes mellitus                                        | NN  | 8.3           | (0.0, 64.5)         | 0.004522                 | (0.0000150, 0.0350355)  | 13.4          | (0.1, 103.7)        | 0.007198                 | (0.0000309, 0.0558101) |
| Papua       | Other non-communicable diseases                          | NN  | 2,545.3       | (1,157.0, 4,412.4)  | 1.382211                 | (0.6283006, 2.3960979)  | 2,384.8       | (1,091.0, 4,294.3)  | 1.283955                 | (0.5873927, 2.3120561) |
| Papua       | Drowning                                                 | NN  | 592.5         | (159.8, 1,425.0)    | 0.321747                 | (0.0867799, 0.7738253)  | 162.4         | (40.0, 436.2)       | 0.087417                 | (0.0215434, 0.2348256) |
| Papua       | Falls                                                    | NN  | 187.9         | (33.4, 580.1)       | 0.102016                 | (0.0181389, 0.3150333)  | 67.3          | (11.4, 202.5)       | 0.036235                 | (0.0061434, 0.1090040) |
| Papua       | Interpersonal violence                                   | NN  | 149.6         | (35.4, 409.1)       | 0.081261                 | (0.0192274, 0.2221355)  | 83.6          | (19.5, 219.5)       | 0.045017                 | (0.0104999, 0.1181608) |
| Papua       | Transport injuries                                       | NN  | 306.3         | (89.7, 766.0)       | 0.166317                 | (0.0487292, 0.4159575)  | 79.8          | (22.1, 212.7)       | 0.042974                 | (0.0119166, 0.1144919) |
| Papua       | Other unintentional injuries                             | NN  | 296.3         | (59.6, 869.6)       | 0.160877                 | (0.0323906, 0.4722144)  | 97.4          | (19.0, 282.4)       | 0.052459                 | (0.0102367, 0.1520443) |
| Papua       | Diarrheal diseases                                       | PNN | 146.3         | (54.5, 302.8)       | 0.006364                 | (0.0023707, 0.0131743)  | 202.9         | (81.3, 400.4)       | 0.008751                 | (0.0035062, 0.0172718) |
| Papua       | HIV/AIDS                                                 | PNN | 153.6         | (52.7, 317.4)       | 0.006682                 | (0.0022915, 0.0138092)  | 146.9         | (47.7, 305.7)       | 0.006338                 | (0.0020580, 0.0131865) |
| Papua       | Lower respiratory infections                             | PNN | 155.5         | (55.5, 333.5)       | 0.006765                 | (0.0024158, 0.0045103)  | 149.3         | (58.6, 298.4)       | 0.006441                 | (0.0025271, 0.0128724) |
| Papua       | Malaria                                                  | PNN | 29.8          | (4.2, 106.1)        | 0.001296                 | (0.0001810, 0.0046161)  | 28.8          | (4.1, 101.9)        | 0.001244                 | (0.0001751, 0.0043970) |
| Papua       | Tuberculosis                                             | PNN | 79.4          | (27.8, 165.6)       | 0.003456                 | (0.0012087, 0.0072035)  | 77.1          | (26.7, 171.1)       | 0.003327                 | (0.0011504, 0.0073820) |
| Papua       | Neonatal encephalopathy due to birth asphyxia and trauma | PNN | 25.1          | (4.4, 76.6)         | 0.001093                 | (0.0001915, 0.0033347)  | 24.2          | (4.4, 75.9)         | 0.001044                 | (0.0001917, 0.0032731) |
| Papua       | Preterm birth complications                              | PNN | 10.2          | (1.6, 35.1)         | 0.000445                 | (0.0000681, 0.0015265)  | 14.8          | (2.1, 47.7)         | 0.000641                 | (0.0000903, 0.0020556) |
| Papua       | Other neonatal disorders                                 | PNN | 23.4          | (1.6, 97.8)         | 0.001020                 | (0.0000683, 0.0042542)  | 22.9          | (1.6, 102.0)        | 0.000987                 | (0.0000671, 0.0044006) |
| Papua       | Other communicable diseases                              | PNN | 225.4         | (92.4, 423.2)       | 0.009807                 | (0.0040220, 0.0184139)  | 219.1         | (89.7, 412.8)       | 0.009451                 | (0.0038678, 0.0178081) |
| Papua       | Other malignant neoplasms                                | PNN | 5.8           | (1.9, 12.9)         | 0.000251                 | (0.0000839, 0.0005628)  | 6.3           | (2.2, 13.4)         | 0.000272                 | (0.0000965, 0.0005775) |
| Papua       | Cerebrovascular disease                                  | PNN | 1.1           | (0.2, 3.1)          | 0.000047                 | (0.0000101, 0.0001339)  | 1.6           | (0.4, 4.3)          | 0.000069                 | (0.0000160, 0.0001859) |
| Papua       | Ischemic heart disease                                   | PNN | 0.2           | (0.0, 1.2)          | 0.000011                 | (0.0000005, 0.0000507)  | 0.4           | (0.0, 1.9)          | 0.000017                 | (0.0000008, 0.0000805) |
| Papua       | Other cardiovascular and circulatory diseases            | PNN | 0.8           | (0.2, 2.6)          | 0.000036                 | (0.0000074, 0.0001123)  | 1.1           | (0.2, 3.5)          | 0.000048                 | (0.0000103, 0.0001520) |
| Papua       | Diabetes mellitus                                        | PNN | 0.3           | (0.0, 2.2)          | 0.000011                 | (0.0000000, 0.0000955)  | 0.5           | (0.0, 4.3)          | 0.000024                 | (0.0000001, 0.0001864) |
| Papua       | Chronic kidney disease                                   | PNN | 3.4           | (1.0, 8.2)          | 0.000146                 | (0.0000436, 0.0003576)  | 4.2           | (1.4, 10.6)         | 0.000179                 | (0.0000583, 0.0004558) |
| Papua       | Other non-communicable diseases                          | PNN | 78.7          | (35.8, 143.5)       | 0.003424                 | (0.0015571, 0.0062443)  | 100.3         | (48.9, 172.5)       | 0.004328                 | (0.0021088, 0.0074396) |
| Papua       | Drowning                                                 | PNN | 21.6          | (6.7, 52.9)         | 0.000941                 | (0.0002934, 0.0023023)  | 8.1           | (2.2, 19.7)         | 0.000351                 | (0.0000932, 0.0008513) |
| Papua       | Falls                                                    | PNN | 6.7           | (1.3, 19.5)         | 0.000291                 | (0.0000567, 0.0008506)  | 3.3           | (0.7, 9.5)          | 0.000142                 | (0.0000281, 0.0004101) |

Aim 2 Supplementary Tables

| Location | Cause group                                              | Age | Males         |                     |                          |                        | Females       |                    |                          |                        |
|----------|----------------------------------------------------------|-----|---------------|---------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                                          |     | YLLs (95% UI) |                     | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua    | Interpersonal violence                                   | PNN | 5.2           | (1.3, 13.6)         | 0.000226                 | (0.0000563, 0.0005901) | 4.0           | (1.0, 10.3)        | 0.000171                 | (0.0000447, 0.0004457) |
| Papua    | Transport injuries                                       | PNN | 11.1          | (3.4, 26.9)         | 0.000485                 | (0.0001471, 0.0011694) | 4.0           | (1.1, 9.6)         | 0.000171                 | (0.0000482, 0.0004158) |
| Papua    | Other unintentional injuries                             | PNN | 10.2          | (2.2, 28.7)         | 0.000445                 | (0.0000976, 0.0012503) | 4.6           | (1.0, 12.4)        | 0.000199                 | (0.0000435, 0.0005370) |
| Papua    | Diarrheal diseases                                       | 1   | 2,357.5       | (762.6, 5,259.6)    | 0.015064                 | (0.0048725, 0.0336066) | 2,032.0       | (661.3, 4,603.3)   | 0.014290                 | (0.0046505, 0.0323718) |
| Papua    | HIV/AIDS                                                 | 1   | 5,234.2       | (1,748.5, 11,394.7) | 0.033445                 | (0.0111721, 0.0728075) | 3,188.3       | (1,096.6, 7,098.5) | 0.022421                 | (0.0077119, 0.0499194) |
| Papua    | Lower respiratory infections                             | 1   | 5,211.3       | (1,734.2, 11,514.7) | 0.033298                 | (0.0110810, 0.0735745) | 3,183.2       | (1,134.6, 7,122.3) | 0.022385                 | (0.0079789, 0.0500863) |
| Papua    | Malaria                                                  | 1   | 386.2         | (47.9, 1,371.0)     | 0.002468                 | (0.0003062, 0.0087600) | 234.9         | (29.4, 897.2)      | 0.001652                 | (0.0002064, 0.0063093) |
| Papua    | Tuberculosis                                             | 1   | 2,869.3       | (950.9, 6,487.7)    | 0.018334                 | (0.0060760, 0.0414539) | 1,774.2       | (600.8, 3,968.3)   | 0.012477                 | (0.0042253, 0.0279064) |
| Papua    | Neonatal encephalopathy due to birth asphyxia and trauma | 1   | 487.7         | (68.0, 1,776.0)     | 0.003116                 | (0.0004344, 0.0113480) | 284.3         | (41.5, 1,003.1)    | 0.002000                 | (0.0002919, 0.0070539) |
| Papua    | Preterm birth complications                              | 1   | 36.4          | (2.5, 169.9)        | 0.000233                 | (0.0000160, 0.0010854) | 31.0          | (2.1, 157.4)       | 0.000218                 | (0.0000146, 0.0011066) |
| Papua    | Other neonatal disorders                                 | 1   | 44.7          | (0.1, 310.7)        | 0.000286                 | (0.0000009, 0.0019854) | 25.6          | (0.1, 189.3)       | 0.000180                 | (0.0000006, 0.0013311) |
| Papua    | Other communicable diseases                              | 1   | 7,859.1       | (3,080.1, 15,328.5) | 0.050217                 | (0.0196805, 0.0979427) | 4,842.3       | (1,967.0, 9,591.5) | 0.034053                 | (0.0138324, 0.0674505) |
| Papua    | Other malignant neoplasms                                | 1   | 139.1         | (41.9, 340.5)       | 0.000889                 | (0.0002676, 0.0021756) | 107.8         | (34.1, 247.3)      | 0.000758                 | (0.0002400, 0.0017393) |
| Papua    | Cerebrovascular disease                                  | 1   | 28.3          | (6.3, 82.0)         | 0.000181                 | (0.0000402, 0.0005237) | 30.1          | (7.1, 89.3)        | 0.000212                 | (0.0000500, 0.0006282) |
| Papua    | Ischemic heart disease                                   | 1   | 6.4           | (0.3, 31.8)         | 0.000041                 | (0.0000019, 0.0002034) | 7.1           | (0.4, 33.6)        | 0.000050                 | (0.0000026, 0.0002366) |
| Papua    | Other cardiovascular and circulatory diseases            | 1   | 20.5          | (3.6, 64.0)         | 0.000131                 | (0.0000232, 0.0004088) | 19.5          | (3.9, 62.2)        | 0.000137                 | (0.0000272, 0.0004377) |
| Papua    | Diabetes mellitus                                        | 1   | 6.1           | (0.0, 45.0)         | 0.000039                 | (0.0000001, 0.0002876) | 9.5           | (0.0, 76.2)        | 0.000067                 | (0.0000003, 0.0005361) |
| Papua    | Chronic kidney disease                                   | 1   | 78.2          | (19.7, 202.6)       | 0.000500                 | (0.0001258, 0.0012944) | 69.2          | (18.7, 171.7)      | 0.000487                 | (0.0001318, 0.0012076) |
| Papua    | Cirrhosis                                                | 1   | 174.9         | (39.3, 469.8)       | 0.001117                 | (0.0002510, 0.0030019) | 77.8          | (18.5, 202.4)      | 0.000547                 | (0.0001299, 0.0014231) |
| Papua    | Chronic respiratory diseases                             | 1   | 523.9         | (139.0, 1,273.3)    | 0.003348                 | (0.0008880, 0.0081360) | 186.1         | (44.9, 504.1)      | 0.001308                 | (0.0003157, 0.0035451) |
| Papua    | Other non-communicable diseases                          | 1   | 1,914.2       | (764.5, 3,746.2)    | 0.012231                 | (0.0048847, 0.0239368) | 1,740.8       | (724.0, 3,442.4)   | 0.012242                 | (0.0050911, 0.0242079) |
| Papua    | Drowning                                                 | 1   | 2,060.1       | (612.5, 4,632.3)    | 0.013163                 | (0.0039134, 0.0295983) | 530.2         | (143.7, 1,290.9)   | 0.003729                 | (0.0010108, 0.0090781) |
| Papua    | Falls                                                    | 1   | 462.6         | (73.9, 1,427.3)     | 0.002956                 | (0.0004721, 0.0091201) | 152.8         | (25.3, 460.6)      | 0.001074                 | (0.0001781, 0.0032390) |
| Papua    | Interpersonal violence                                   | 1   | 297.1         | (60.6, 834.2)       | 0.001898                 | (0.0003869, 0.0053300) | 154.1         | (29.4, 425.4)      | 0.001084                 | (0.0002070, 0.0029916) |
| Papua    | Transport injuries                                       | 1   | 989.6         | (271.2, 2,560.5)    | 0.006323                 | (0.0017328, 0.0163606) | 240.0         | (58.7, 639.5)      | 0.001688                 | (0.0004126, 0.0044970) |
| Papua    | Other unintentional injuries                             | 1   | 615.5         | (112.0, 1,787.5)    | 0.003933                 | (0.0007158, 0.0114213) | 188.6         | (33.9, 579.9)      | 0.001327                 | (0.0002387, 0.0040783) |
| Papua    | Diarrheal diseases                                       | 5   | 1,267.9       | (575.7, 2,294.1)    | 0.006392                 | (0.0029026, 0.0115667) | 1,357.5       | (643.9, 2,311.6)   | 0.007926                 | (0.0037596, 0.0134968) |
| Papua    | HIV/AIDS                                                 | 5   | 2,188.0       | (867.8, 3,944.4)    | 0.011032                 | (0.0043755, 0.0198870) | 1,606.2       | (607.0, 2,844.8)   | 0.009378                 | (0.0035443, 0.0166100) |
| Papua    | Lower respiratory infections                             | 5   | 2,100.0       | (918.0, 3,643.8)    | 0.010588                 | (0.0046286, 0.0183718) | 1,557.1       | (662.6, 2,710.7)   | 0.009091                 | (0.0038685, 0.0158268) |
| Papua    | Malaria                                                  | 5   | 208.7         | (32.7, 671.3)       | 0.001052                 | (0.0001646, 0.0033846) | 154.5         | (25.5, 528.0)      | 0.000902                 | (0.0001487, 0.0030829) |
| Papua    | Tuberculosis                                             | 5   | 1,636.0       | (804.8, 2,847.2)    | 0.008249                 | (0.0040579, 0.0143552) | 1,227.7       | (589.6, 2,126.7)   | 0.007168                 | (0.0034422, 0.0124174) |
| Papua    | Other communicable diseases                              | 5   | 4,193.6       | (2,781.7, 5,684.7)  | 0.021144                 | (0.0140251, 0.0286619) | 3,217.6       | (2,090.0, 4,375.5) | 0.018787                 | (0.0122027, 0.0255470) |
| Papua    | Other malignant neoplasms                                | 5   | 598.5         | (302.4, 1,027.8)    | 0.003018                 | (0.0015248, 0.0051822) | 579.5         | (304.0, 963.9)     | 0.003383                 | (0.0017750, 0.0056280) |
| Papua    | Cerebrovascular disease                                  | 5   | 86.1          | (32.7, 175.7)       | 0.000434                 | (0.0001649, 0.0008857) | 111.7         | (45.6, 221.7)      | 0.000652                 | (0.0002664, 0.0012945) |
| Papua    | Ischemic heart disease                                   | 5   | 23.2          | (6.7, 60.1)         | 0.000117                 | (0.0000340, 0.0003032) | 31.1          | (9.0, 76.6)        | 0.000182                 | (0.0000523, 0.0004471) |
| Papua    | Other cardiovascular and circulatory diseases            | 5   | 70.8          | (21.5, 170.7)       | 0.000357                 | (0.0001085, 0.0008605) | 81.7          | (27.2, 180.5)      | 0.000477                 | (0.0001587, 0.0010538) |
| Papua    | Diabetes mellitus                                        | 5   | 52.9          | (14.9, 132.0)       | 0.000267                 | (0.0000752, 0.0006653) | 104.7         | (33.2, 247.1)      | 0.000612                 | (0.0001941, 0.0014426) |
| Papua    | Chronic kidney disease                                   | 5   | 117.9         | (44.6, 242.9)       | 0.000595                 | (0.0002249, 0.0012245) | 129.2         | (54.8, 246.5)      | 0.000754                 | (0.0003199, 0.0014395) |
| Papua    | Cirrhosis                                                | 5   | 330.3         | (134.2, 629.8)      | 0.001666                 | (0.0006767, 0.0031755) | 184.2         | (79.5, 341.1)      | 0.001076                 | (0.0004641, 0.0019915) |
| Papua    | Chronic respiratory diseases                             | 5   | 331.8         | (124.6, 666.4)      | 0.001673                 | (0.0006280, 0.0033600) | 140.2         | (51.1, 321.4)      | 0.000819                 | (0.0002983, 0.0018766) |
| Papua    | Other non-communicable diseases                          | 5   | 1,247.3       | (802.3, 1,762.6)    | 0.006289                 | (0.0040451, 0.0088868) | 1,406.4       | (947.3, 1,870.0)   | 0.008211                 | (0.0055309, 0.0109187) |
| Papua    | Drowning                                                 | 5   | 4,247.6       | (2,647.9, 5,962.3)  | 0.021416                 | (0.0133505, 0.0300613) | 1,812.0       | (975.3, 2,774.9)   | 0.010580                 | (0.0056942, 0.0162018) |
| Papua    | Falls                                                    | 5   | 539.7         | (129.9, 1,410.1)    | 0.002721                 | (0.0006547, 0.0071096) | 266.8         | (62.6, 695.2)      | 0.001558                 | (0.0003658, 0.0040589) |
| Papua    | Interpersonal violence                                   | 5   | 155.1         | (52.2, 382.7)       | 0.000782                 | (0.0002631, 0.0019296) | 119.6         | (37.8, 305.6)      | 0.000698                 | (0.0002205, 0.0017844) |
| Papua    | Transport injuries                                       | 5   | 2,136.1       | (1,116.9, 3,483.3)  | 0.010770                 | (0.0056313, 0.0175624) | 815.9         | (366.5, 1,465.9)   | 0.004764                 | (0.0021399, 0.0085590) |
| Papua    | Other unintentional injuries                             | 5   | 385.4         | (103.4, 1,024.7)    | 0.001943                 | (0.0005216, 0.0051665) | 175.6         | (45.3, 475.9)      | 0.001026                 | (0.0002642, 0.0027788) |
| Papua    | Diarrheal diseases                                       | 10  | 490.5         | (193.3, 992.6)      | 0.002518                 | (0.0009924, 0.0050947) | 528.0         | (224.1, 1,025.9)   | 0.003289                 | (0.0013962, 0.0063907) |
| Papua    | HIV/AIDS                                                 | 10  | 1,454.2       | (682.0, 2,419.1)    | 0.007464                 | (0.0035004, 0.0124169) | 1,054.1       | (484.0, 1,842.0)   | 0.006566                 | (0.0030150, 0.0114745) |
| Papua    | Lower respiratory infections                             | 10  | 964.3         | (401.5, 1,747.3)    | 0.004949                 | (0.0020606, 0.0089684) | 692.0         | (276.4, 1,267.2)   | 0.004311                 | (0.0017218, 0.0078938) |
| Papua    | Malaria                                                  | 10  | 254.7         | (47.3, 743.1)       | 0.001307                 | (0.0002425, 0.0038139) | 193.0         | (38.7, 581.1)      | 0.001202                 | (0.0002408, 0.0036200) |
| Papua    | Tuberculosis                                             | 10  | 1,985.5       | (1,200.2, 2,952.7)  | 0.010191                 | (0.0061604, 0.0151556) | 1,483.3       | (857.5, 2,250.9)   | 0.009240                 | (0.0053419, 0.0140217) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                                 |  | Females                    |  |                                 |  |
|----------|-----------------------------------------------|-----|---------------|--------------------|---------------------------------|--|----------------------------|--|---------------------------------|--|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI)        |  | YLLs (95% UI)              |  | YLLs per capita (95% UI)        |  |
| Papua    | Maternal disorders                            | 10  |               |                    |                                 |  | 52.8 (6.9, 173.7)          |  | 0.000329 (0.0000432, 0.0010819) |  |
| Papua    | Other communicable diseases                   | 10  | 2,631.7       | (1,706.1, 3,682.6) | 0.013508 (0.0087571, 0.0189023) |  | 1,990.3 (1,294.6, 2,837.9) |  | 0.012398 (0.0080645, 0.0176785) |  |
| Papua    | Other malignant neoplasms                     | 10  | 602.4         | (333.3, 995.4)     | 0.003092 (0.0017108, 0.0051090) |  | 599.4 (346.7, 952.1)       |  | 0.003734 (0.0021599, 0.0059311) |  |
| Papua    | Cerebrovascular disease                       | 10  | 115.1         | (56.6, 214.3)      | 0.000591 (0.0002906, 0.0010998) |  | 146.6 (74.3, 256.0)        |  | 0.000914 (0.0004627, 0.0015949) |  |
| Papua    | Ischemic heart disease                        | 10  | 42.3          | (16.3, 93.6)       | 0.000217 (0.0000836, 0.0004803) |  | 55.7 (22.4, 119.8)         |  | 0.000347 (0.0001398, 0.0007462) |  |
| Papua    | Other cardiovascular and circulatory diseases | 10  | 79.2          | (28.9, 166.9)      | 0.000407 (0.0001482, 0.0008568) |  | 91.1 (36.7, 184.0)         |  | 0.000568 (0.0002288, 0.0011463) |  |
| Papua    | Diabetes mellitus                             | 10  | 54.3          | (20.4, 111.6)      | 0.000279 (0.0001045, 0.0005727) |  | 108.3 (46.1, 211.3)        |  | 0.000675 (0.0002873, 0.0013164) |  |
| Papua    | Chronic kidney disease                        | 10  | 112.4         | (51.4, 221.4)      | 0.000577 (0.0002640, 0.0011364) |  | 125.1 (63.6, 226.6)        |  | 0.000779 (0.0003962, 0.0014117) |  |
| Papua    | Cirrhosis                                     | 10  | 314.6         | (148.0, 544.6)     | 0.001615 (0.0007597, 0.0027951) |  | 174.5 (81.7, 292.7)        |  | 0.001087 (0.0005091, 0.0018232) |  |
| Papua    | Chronic respiratory diseases                  | 10  | 351.4         | (150.8, 663.9)     | 0.001804 (0.0007741, 0.0034077) |  | 153.3 (63.4, 321.4)        |  | 0.000955 (0.0003947, 0.0020021) |  |
| Papua    | Other non-communicable diseases               | 10  | 1,137.2       | (786.6, 1,573.3)   | 0.005837 (0.0040373, 0.0080757) |  | 1,265.5 (891.7, 1,674.9)   |  | 0.007883 (0.0055549, 0.0104337) |  |
| Papua    | Drowning                                      | 10  | 2,786.6       | (1,577.7, 4,321.5) | 0.014303 (0.0080979, 0.0221816) |  | 1,140.9 (549.4, 1,941.9)   |  | 0.007107 (0.0034225, 0.0120965) |  |
| Papua    | Falls                                         | 10  | 518.8         | (136.9, 1,332.4)   | 0.002663 (0.0007029, 0.0068389) |  | 252.3 (65.7, 655.4)        |  | 0.001572 (0.0004094, 0.0040830) |  |
| Papua    | Interpersonal violence                        | 10  | 169.3         | (65.1, 387.6)      | 0.000869 (0.0003340, 0.0019894) |  | 132.4 (50.0, 291.1)        |  | 0.000825 (0.0003112, 0.0018131) |  |
| Papua    | Self-harm                                     | 10  | 131.4         | (42.4, 309.1)      | 0.000674 (0.0002177, 0.0015865) |  | 87.2 (27.1, 204.1)         |  | 0.000543 (0.0001689, 0.0012715) |  |
| Papua    | Transport injuries                            | 10  | 2,935.7       | (1,833.2, 4,237.9) | 0.015068 (0.0094097, 0.0217520) |  | 1,194.1 (639.9, 1,924.8)   |  | 0.007439 (0.0039863, 0.0119901) |  |
| Papua    | Other unintentional injuries                  | 10  | 325.7         | (86.5, 867.5)      | 0.001672 (0.0004439, 0.0044525) |  | 148.6 (36.9, 395.3)        |  | 0.000926 (0.0002301, 0.0024626) |  |
| Papua    | Diarrheal diseases                            | 15  | 219.7         | (76.3, 461.8)      | 0.001384 (0.0004805, 0.0029088) |  | 222.5 (77.3, 462.2)        |  | 0.001636 (0.0005679, 0.0033973) |  |
| Papua    | HIV/AIDS                                      | 15  | 1,101.5       | (448.6, 1,989.0)   | 0.006938 (0.0028260, 0.0125288) |  | 685.8 (280.0, 1,306.4)     |  | 0.005041 (0.0020582, 0.0096017) |  |
| Papua    | Lower respiratory infections                  | 15  | 436.3         | (161.2, 852.1)     | 0.002748 (0.0010153, 0.0053675) |  | 275.0 (92.0, 577.0)        |  | 0.002021 (0.0006762, 0.0042408) |  |
| Papua    | Malaria                                       | 15  | 388.7         | (84.9, 962.6)      | 0.002449 (0.0005346, 0.0060634) |  | 240.9 (53.2, 657.2)        |  | 0.001770 (0.0003912, 0.0048302) |  |
| Papua    | Tuberculosis                                  | 15  | 2,522.5       | (1,644.5, 3,685.1) | 0.015889 (0.0103586, 0.0232120) |  | 1,397.1 (832.2, 2,146.6)   |  | 0.010268 (0.0061167, 0.0157775) |  |
| Papua    | Maternal disorders                            | 15  |               |                    |                                 |  | 1,059.0 (385.1, 2,016.4)   |  | 0.007784 (0.0028305, 0.0148202) |  |
| Papua    | Other communicable diseases                   | 15  | 1,548.3       | (801.3, 2,402.8)   | 0.009753 (0.0050472, 0.0151348) |  | 1,128.5 (612.9, 1,802.8)   |  | 0.008294 (0.0045046, 0.0132504) |  |
| Papua    | Tracheal, bronchus, and lung cancer           | 15  | 30.3          | (4.1, 102.6)       | 0.000191 (0.0000255, 0.0006461) |  | 11.4 (1.6, 41.0)           |  | 0.000084 (0.0000119, 0.0003015) |  |
| Papua    | Breast cancer                                 | 15  | 2.1           | (0.1, 10.0)        | 0.000013 (0.0000009, 0.0000627) |  | 47.2 (8.0, 136.8)          |  | 0.000347 (0.0000584, 0.0010057) |  |
| Papua    | Cervical cancer                               | 15  |               |                    |                                 |  | 128.8 (18.5, 381.9)        |  | 0.000946 (0.0001359, 0.0028073) |  |
| Papua    | Other malignant neoplasms                     | 15  | 512.5         | (275.7, 846.0)     | 0.003228 (0.0017368, 0.0053292) |  | 477.8 (224.4, 813.7)       |  | 0.003512 (0.0016492, 0.0059810) |  |
| Papua    | Cerebrovascular disease                       | 15  | 192.8         | (93.6, 342.0)      | 0.001214 (0.0005893, 0.0021542) |  | 228.7 (117.8, 399.7)       |  | 0.001681 (0.0008661, 0.0029375) |  |
| Papua    | Ischemic heart disease                        | 15  | 115.2         | (46.2, 231.5)      | 0.000726 (0.0002910, 0.0014581) |  | 115.2 (49.0, 231.2)        |  | 0.000847 (0.0003604, 0.0016990) |  |
| Papua    | Other cardiovascular and circulatory diseases | 15  | 102.7         | (39.5, 211.8)      | 0.000647 (0.0002485, 0.0013341) |  | 114.5 (45.7, 235.6)        |  | 0.000842 (0.0003358, 0.0017315) |  |
| Papua    | Diabetes mellitus                             | 15  | 66.3          | (25.4, 136.5)      | 0.000417 (0.0001600, 0.0008600) |  | 131.9 (54.4, 258.0)        |  | 0.000970 (0.0004002, 0.0018965) |  |
| Papua    | Chronic kidney disease                        | 15  | 120.8         | (56.8, 228.8)      | 0.000761 (0.0003579, 0.0014415) |  | 130.0 (65.5, 239.3)        |  | 0.000955 (0.0004815, 0.0017585) |  |
| Papua    | Cirrhosis                                     | 15  | 328.4         | (150.6, 558.0)     | 0.002069 (0.0009489, 0.0035151) |  | 196.9 (94.0, 345.2)        |  | 0.001448 (0.0006910, 0.0025370) |  |
| Papua    | Chronic respiratory diseases                  | 15  | 228.4         | (91.1, 452.8)      | 0.001439 (0.0005739, 0.0028523) |  | 113.6 (42.9, 235.4)        |  | 0.000835 (0.0003156, 0.0017298) |  |
| Papua    | Other non-communicable diseases               | 15  | 1,185.6       | (795.1, 1,683.1)   | 0.007468 (0.0050081, 0.0106015) |  | 1,249.2 (845.3, 1,723.2)   |  | 0.009181 (0.0062128, 0.0126652) |  |
| Papua    | Drowning                                      | 15  | 1,981.6       | (920.9, 3,619.9)   | 0.012482 (0.0058005, 0.0228014) |  | 1,052.9 (442.6, 2,035.2)   |  | 0.007739 (0.0032535, 0.0149590) |  |
| Papua    | Falls                                         | 15  | 524.4         | (133.4, 1,259.2)   | 0.003303 (0.0008405, 0.0079316) |  | 327.3 (84.3, 841.6)        |  | 0.002406 (0.0006196, 0.0061860) |  |
| Papua    | Interpersonal violence                        | 15  | 297.9         | (134.3, 650.4)     | 0.001876 (0.0008460, 0.0040968) |  | 237.4 (93.0, 558.5)        |  | 0.001745 (0.0006835, 0.0041052) |  |
| Papua    | Self-harm                                     | 15  | 186.4         | (74.8, 392.6)      | 0.001174 (0.0004710, 0.0024727) |  | 119.6 (46.7, 244.3)        |  | 0.000879 (0.0003436, 0.0017954) |  |
| Papua    | Transport injuries                            | 15  | 7,126.6       | (5,259.9, 9,380.0) | 0.044890 (0.0331317, 0.0590843) |  | 4,064.5 (2,905.1, 5,328.2) |  | 0.029874 (0.0213525, 0.0391625) |  |
| Papua    | Other unintentional injuries                  | 15  | 432.2         | (113.6, 1,111.9)   | 0.002723 (0.0007154, 0.0070037) |  | 221.2 (54.2, 590.7)        |  | 0.001626 (0.0003983, 0.0043417) |  |
| Papua    | Diarrheal diseases                            | 20  | 166.2         | (54.9, 362.0)      | 0.001218 (0.0004021, 0.0026537) |  | 228.3 (84.2, 464.4)        |  | 0.001624 (0.0005991, 0.0033036) |  |
| Papua    | HIV/AIDS                                      | 20  | 2,373.3       | (1,310.7, 3,686.2) | 0.017396 (0.0096071, 0.0270190) |  | 1,898.8 (1,095.8, 2,925.9) |  | 0.013509 (0.0077956, 0.0208156) |  |
| Papua    | Lower respiratory infections                  | 20  | 259.0         | (90.9, 513.2)      | 0.001898 (0.0006661, 0.0037615) |  | 215.1 (72.7, 460.8)        |  | 0.001530 (0.0005174, 0.0032784) |  |
| Papua    | Malaria                                       | 20  | 465.9         | (109.2, 1,105.8)   | 0.003415 (0.0008005, 0.0081053) |  | 332.1 (73.3, 846.5)        |  | 0.002362 (0.0005212, 0.0060223) |  |
| Papua    | Tuberculosis                                  | 20  | 3,786.3       | (2,564.5, 5,415.7) | 0.027753 (0.0187970, 0.0396960) |  | 2,270.2 (1,390.2, 3,310.3) |  | 0.016151 (0.0098905, 0.0235501) |  |
| Papua    | Maternal disorders                            | 20  |               |                    |                                 |  | 1,333.3 (469.1, 2,479.9)   |  | 0.009485 (0.0033370, 0.0176424) |  |
| Papua    | Other communicable diseases                   | 20  | 1,411.5       | (680.6, 2,314.4)   | 0.010346 (0.0049890, 0.0169638) |  | 1,471.1 (817.8, 2,318.4)   |  | 0.010466 (0.0058178, 0.0164939) |  |
| Papua    | Tracheal, bronchus, and lung cancer           | 20  | 20.1          | (3.4, 67.5)        | 0.000147 (0.0000248, 0.0004950) |  | 17.1 (3.1, 50.0)           |  | 0.000122 (0.0000223, 0.0003556) |  |
| Papua    | Breast cancer                                 | 20  | 3.5           | (0.5, 12.0)        | 0.000026 (0.0000039, 0.0000878) |  | 176.9 (49.4, 388.3)        |  | 0.001259 (0.0003513, 0.0027626) |  |
| Papua    | Cervical cancer                               | 20  |               |                    |                                 |  | 210.7 (40.9, 620.8)        |  | 0.001499 (0.0002907, 0.0044164) |  |



Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua    | Other malignant neoplasms                     | 20  | 567.3         | (298.5, 946.0)     | 0.004158                 | (0.0021877, 0.0069344) | 708.7         | (314.6, 1,193.9)   | 0.005042                 | (0.0022385, 0.0084936) |
| Papua    | Cerebrovascular disease                       | 20  | 408.4         | (219.8, 694.1)     | 0.002993                 | (0.0016109, 0.0050877) | 497.0         | (282.0, 784.0)     | 0.003536                 | (0.0020060, 0.0055775) |
| Papua    | Ischemic heart disease                        | 20  | 259.3         | (117.8, 478.9)     | 0.001901                 | (0.0008635, 0.0035105) | 206.4         | (92.2, 384.9)      | 0.001469                 | (0.0006557, 0.0027381) |
| Papua    | Other cardiovascular and circulatory diseases | 20  | 191.2         | (80.0, 380.3)      | 0.001401                 | (0.0005866, 0.0027874) | 229.2         | (102.1, 429.9)     | 0.001630                 | (0.0007263, 0.0030586) |
| Papua    | Diabetes mellitus                             | 20  | 73.5          | (30.4, 141.7)      | 0.000539                 | (0.0002230, 0.0010387) | 161.5         | (68.6, 298.6)      | 0.001149                 | (0.0004883, 0.0021241) |
| Papua    | Chronic kidney disease                        | 20  | 228.4         | (112.8, 412.5)     | 0.001674                 | (0.0008268, 0.0030235) | 258.8         | (137.4, 452.7)     | 0.001841                 | (0.0009775, 0.0032208) |
| Papua    | Cirrhosis                                     | 20  | 528.9         | (256.7, 877.3)     | 0.003877                 | (0.0018814, 0.0064303) | 385.5         | (195.8, 648.1)     | 0.002743                 | (0.0013933, 0.0046107) |
| Papua    | Chronic respiratory diseases                  | 20  | 433.5         | (207.5, 779.0)     | 0.003178                 | (0.0015209, 0.0057097) | 295.3         | (139.3, 561.8)     | 0.002101                 | (0.0009912, 0.0039966) |
| Papua    | Other non-communicable diseases               | 20  | 1,318.8       | (858.5, 1,939.4)   | 0.009667                 | (0.0062930, 0.0142153) | 1,467.8       | (959.8, 2,052.4)   | 0.010443                 | (0.0068282, 0.0146010) |
| Papua    | Drowning                                      | 20  | 1,120.0       | (456.0, 2,284.2)   | 0.008209                 | (0.0033421, 0.0167427) | 783.4         | (303.5, 1,593.5)   | 0.005573                 | (0.0021592, 0.0113369) |
| Papua    | Falls                                         | 20  | 435.0         | (113.2, 1,130.9)   | 0.003188                 | (0.0008297, 0.0082889) | 334.0         | (86.9, 884.6)      | 0.002376                 | (0.0006186, 0.0062934) |
| Papua    | Interpersonal violence                        | 20  | 428.8         | (204.6, 845.3)     | 0.003143                 | (0.0014996, 0.0061957) | 315.6         | (130.1, 720.7)     | 0.002246                 | (0.0009257, 0.0051271) |
| Papua    | Self-harm                                     | 20  | 250.2         | (98.2, 481.8)      | 0.001834                 | (0.0007201, 0.0035317) | 138.7         | (51.9, 285.0)      | 0.000986                 | (0.0003693, 0.0020276) |
| Papua    | Transport injuries                            | 20  | 5,917.9       | (4,209.2, 8,099.7) | 0.043377                 | (0.0308525, 0.0593691) | 3,439.0       | (2,348.0, 4,841.0) | 0.024466                 | (0.0167043, 0.0344405) |
| Papua    | Other unintentional injuries                  | 20  | 494.8         | (130.0, 1,304.1)   | 0.003626                 | (0.0009531, 0.0095591) | 265.1         | (65.8, 732.1)      | 0.001886                 | (0.0004681, 0.0052083) |
| Papua    | Diarrheal diseases                            | 25  | 254.4         | (88.1, 526.9)      | 0.001806                 | (0.0006253, 0.0037403) | 378.6         | (138.5, 774.5)     | 0.002487                 | (0.0009100, 0.0050872) |
| Papua    | HIV/AIDS                                      | 25  | 3,732.3       | (2,349.2, 5,414.3) | 0.026496                 | (0.0166776, 0.0384367) | 3,158.1       | (1,904.8, 4,669.5) | 0.020743                 | (0.0125111, 0.0306704) |
| Papua    | Lower respiratory infections                  | 25  | 253.9         | (92.4, 519.8)      | 0.001803                 | (0.0006562, 0.0036898) | 227.2         | (78.1, 495.8)      | 0.001493                 | (0.0005127, 0.0032567) |
| Papua    | Malaria                                       | 25  | 501.0         | (119.0, 1,172.1)   | 0.003557                 | (0.0008445, 0.0083209) | 360.4         | (76.1, 959.2)      | 0.002367                 | (0.0004999, 0.0063006) |
| Papua    | Tuberculosis                                  | 25  | 4,455.4       | (3,016.2, 6,440.5) | 0.031629                 | (0.0214124, 0.0457223) | 2,652.6       | (1,542.6, 4,041.5) | 0.017423                 | (0.0101325, 0.0265455) |
| Papua    | Maternal disorders                            | 25  |               |                    |                          |                        | 1,586.6       | (507.7, 3,203.2)   | 0.010422                 | (0.0033350, 0.0210397) |
| Papua    | Other communicable diseases                   | 25  | 1,648.9       | (846.4, 2,650.0)   | 0.011706                 | (0.0060090, 0.0188126) | 1,906.4       | (1,075.7, 2,978.5) | 0.012522                 | (0.0070653, 0.0195638) |
| Papua    | Tracheal, bronchus, and lung cancer           | 25  | 24.7          | (4.2, 79.4)        | 0.000175                 | (0.0000295, 0.0005639) | 21.4          | (3.8, 66.2)        | 0.000141                 | (0.0000252, 0.0004347) |
| Papua    | Breast cancer                                 | 25  | 3.9           | (0.7, 12.4)        | 0.000028                 | (0.0000048, 0.0000882) | 412.0         | (139.6, 820.6)     | 0.002706                 | (0.0009172, 0.0053896) |
| Papua    | Cervical cancer                               | 25  |               |                    |                          |                        | 262.0         | (45.0, 813.6)      | 0.001721                 | (0.0002958, 0.0053439) |
| Papua    | Other malignant neoplasms                     | 25  | 809.4         | (434.2, 1,376.4)   | 0.005746                 | (0.0030825, 0.0097711) | 1,034.5       | (499.6, 1,746.5)   | 0.006795                 | (0.0032817, 0.0114713) |
| Papua    | Cerebrovascular disease                       | 25  | 817.9         | (473.8, 1,297.6)   | 0.005806                 | (0.0033636, 0.0092115) | 972.7         | (564.0, 1,516.8)   | 0.006389                 | (0.0037044, 0.0099631) |
| Papua    | Ischemic heart disease                        | 25  | 534.5         | (256.7, 918.1)     | 0.003795                 | (0.0018226, 0.0065176) | 380.2         | (171.7, 696.0)     | 0.002498                 | (0.0011279, 0.0045717) |
| Papua    | Other cardiovascular and circulatory diseases | 25  | 280.2         | (118.6, 516.6)     | 0.001989                 | (0.0008423, 0.0036673) | 332.8         | (146.2, 619.8)     | 0.002186                 | (0.0009605, 0.0040713) |
| Papua    | Diabetes mellitus                             | 25  | 130.8         | (59.7, 237.6)      | 0.000929                 | (0.0004241, 0.0016868) | 283.4         | (127.4, 494.2)     | 0.001861                 | (0.0008371, 0.0032460) |
| Papua    | Chronic kidney disease                        | 25  | 268.0         | (137.0, 483.0)     | 0.001903                 | (0.0009729, 0.0034292) | 295.4         | (156.5, 533.5)     | 0.001940                 | (0.0010283, 0.0035040) |
| Papua    | Cirrhosis                                     | 25  | 801.4         | (411.2, 1,265.0)   | 0.005689                 | (0.0029189, 0.0089804) | 602.6         | (318.0, 979.3)     | 0.003958                 | (0.0020890, 0.0064324) |
| Papua    | Chronic respiratory diseases                  | 25  | 503.2         | (235.5, 907.8)     | 0.003573                 | (0.0016719, 0.0064449) | 358.1         | (158.9, 670.0)     | 0.002352                 | (0.0010437, 0.0044005) |
| Papua    | Other non-communicable diseases               | 25  | 1,712.2       | (1,120.2, 2,478.8) | 0.012155                 | (0.0079528, 0.0175976) | 1,880.6       | (1,196.4, 2,703.6) | 0.012352                 | (0.0078585, 0.0177583) |
| Papua    | Drowning                                      | 25  | 906.1         | (315.4, 1,986.7)   | 0.006432                 | (0.0022390, 0.0141036) | 700.6         | (233.2, 1,575.8)   | 0.004602                 | (0.0015320, 0.0103506) |
| Papua    | Falls                                         | 25  | 705.4         | (194.1, 1,714.7)   | 0.005008                 | (0.0013782, 0.0121726) | 572.7         | (160.1, 1,387.2)   | 0.003762                 | (0.0010515, 0.0091113) |
| Papua    | Interpersonal violence                        | 25  | 444.6         | (206.1, 906.1)     | 0.003157                 | (0.0014633, 0.0064323) | 309.4         | (114.4, 756.3)     | 0.002032                 | (0.0007512, 0.0049673) |
| Papua    | Self-harm                                     | 25  | 233.9         | (92.0, 473.8)      | 0.001660                 | (0.0006534, 0.0033638) | 118.4         | (40.0, 262.1)      | 0.000778                 | (0.0002631, 0.0017213) |
| Papua    | Transport injuries                            | 25  | 4,674.4       | (3,021.0, 6,811.2) | 0.033184                 | (0.0214463, 0.0483537) | 2,565.6       | (1,531.5, 4,101.1) | 0.016852                 | (0.0100590, 0.0269374) |
| Papua    | Other unintentional injuries                  | 25  | 631.6         | (167.9, 1,624.3)   | 0.004484                 | (0.0011921, 0.0115314) | 336.4         | (81.8, 932.7)      | 0.002209                 | (0.0005374, 0.0061266) |
| Papua    | Diarrheal diseases                            | 30  | 291.6         | (102.0, 580.4)     | 0.001994                 | (0.0006971, 0.0039681) | 389.8         | (146.0, 770.3)     | 0.002722                 | (0.0010193, 0.0053794) |
| Papua    | HIV/AIDS                                      | 30  | 3,971.5       | (2,525.0, 5,654.7) | 0.027152                 | (0.0172626, 0.0386595) | 2,929.1       | (1,638.0, 4,512.8) | 0.020455                 | (0.0114392, 0.0315149) |
| Papua    | Lower respiratory infections                  | 30  | 242.0         | (89.7, 495.9)      | 0.001654                 | (0.0006135, 0.0033903) | 199.0         | (66.7, 436.7)      | 0.001390                 | (0.0004656, 0.0030493) |
| Papua    | Malaria                                       | 30  | 423.5         | (98.2, 1,011.2)    | 0.002896                 | (0.0006713, 0.0069133) | 262.1         | (55.2, 694.0)      | 0.001830                 | (0.0003852, 0.0048466) |
| Papua    | Tuberculosis                                  | 30  | 4,429.5       | (2,965.0, 6,357.2) | 0.030283                 | (0.0202708, 0.0434623) | 2,304.7       | (1,334.0, 3,653.1) | 0.016095                 | (0.0093159, 0.0255110) |
| Papua    | Maternal disorders                            | 30  |               |                    |                          |                        | 2,363.0       | (865.0, 4,418.1)   | 0.016502                 | (0.0060405, 0.0308537) |
| Papua    | Other communicable diseases                   | 30  | 1,205.7       | (564.1, 2,040.8)   | 0.008243                 | (0.0038563, 0.0139522) | 1,269.0       | (655.1, 2,120.0)   | 0.008862                 | (0.0045751, 0.0148050) |
| Papua    | Tracheal, bronchus, and lung cancer           | 30  | 58.9          | (10.8, 181.5)      | 0.000403                 | (0.0000739, 0.0012408) | 28.2          | (5.3, 89.0)        | 0.000197                 | (0.0000367, 0.0006218) |
| Papua    | Breast cancer                                 | 30  | 6.9           | (1.1, 22.1)        | 0.000047                 | (0.0000075, 0.0001512) | 696.8         | (245.8, 1,348.8)   | 0.004866                 | (0.0017162, 0.0094193) |
| Papua    | Cervical cancer                               | 30  |               |                    |                          |                        | 345.0         | (59.8, 1,051.6)    | 0.002409                 | (0.0004179, 0.0073438) |
| Papua    | Other malignant neoplasms                     | 30  | 1,314.5       | (725.9, 2,180.3)   | 0.008987                 | (0.0049630, 0.0149060) | 1,213.0       | (564.5, 2,080.0)   | 0.008471                 | (0.0039419, 0.0145253) |
| Papua    | Cerebrovascular disease                       | 30  | 1,479.4       | (894.7, 2,227.4)   | 0.010114                 | (0.0061169, 0.0152279) | 1,674.3       | (1,016.9, 2,542.5) | 0.011692                 | (0.0071015, 0.0177554) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
|          |                                               |     |               |                    |                          |                        |               |                    |                          |                        |
| Papua    | Ischemic heart disease                        | 30  | 839.3         | (414.1, 1,421.4)   | 0.005738                 | (0.0028314, 0.0097179) | 596.4         | (286.7, 1,069.3)   | 0.004165                 | (0.0020021, 0.0074675) |
| Papua    | Other cardiovascular and circulatory diseases | 30  | 402.0         | (176.4, 733.9)     | 0.002748                 | (0.0012061, 0.0050175) | 435.4         | (194.6, 803.0)     | 0.003041                 | (0.0013589, 0.0056074) |
| Papua    | Diabetes mellitus                             | 30  | 244.9         | (111.5, 439.4)     | 0.001674                 | (0.0007624, 0.0030038) | 481.7         | (224.9, 832.9)     | 0.003364                 | (0.0015705, 0.0058167) |
| Papua    | Chronic kidney disease                        | 30  | 327.9         | (163.8, 585.0)     | 0.002242                 | (0.0011201, 0.0039996) | 326.4         | (172.1, 580.1)     | 0.002279                 | (0.0012020, 0.0040508) |
| Papua    | Cirrhosis                                     | 30  | 1,196.0       | (628.8, 1,867.5)   | 0.008177                 | (0.0042986, 0.0127676) | 842.7         | (454.9, 1,361.7)   | 0.005885                 | (0.0031764, 0.0095090) |
| Papua    | Chronic respiratory diseases                  | 30  | 641.0         | (288.1, 1,163.6)   | 0.004382                 | (0.0019698, 0.0079554) | 386.6         | (168.9, 726.5)     | 0.002700                 | (0.0011793, 0.0050731) |
| Papua    | Other non-communicable diseases               | 30  | 2,069.4       | (1,322.7, 3,036.1) | 0.014148                 | (0.0090426, 0.0207566) | 2,126.8       | (1,323.5, 3,108.3) | 0.014852                 | (0.0092425, 0.0217062) |
| Papua    | Drowning                                      | 30  | 1,092.6       | (415.6, 2,338.3)   | 0.007470                 | (0.0028414, 0.0159862) | 844.8         | (281.3, 1,769.3)   | 0.005900                 | (0.0019647, 0.0123560) |
| Papua    | Falls                                         | 30  | 887.8         | (230.4, 2,129.8)   | 0.006069                 | (0.0015752, 0.0145604) | 703.4         | (211.7, 1,620.5)   | 0.004912                 | (0.0014782, 0.0113164) |
| Papua    | Interpersonal violence                        | 30  | 356.8         | (156.0, 736.5)     | 0.002440                 | (0.0010666, 0.0050349) | 227.2         | (74.9, 598.5)      | 0.001586                 | (0.0005230, 0.0041797) |
| Papua    | Self-harm                                     | 30  | 181.9         | (68.8, 383.4)      | 0.001243                 | (0.0004702, 0.0026214) | 82.7          | (25.6, 194.7)      | 0.000578                 | (0.0001791, 0.0013597) |
| Papua    | Transport injuries                            | 30  | 4,294.7       | (2,718.6, 6,468.1) | 0.029362                 | (0.0185859, 0.0442206) | 2,217.3       | (1,242.8, 3,805.5) | 0.015484                 | (0.0086787, 0.0265751) |
| Papua    | Other unintentional injuries                  | 30  | 604.8         | (151.5, 1,611.3)   | 0.004135                 | (0.0010358, 0.0110162) | 302.2         | (70.8, 831.3)      | 0.002111                 | (0.0004947, 0.0058056) |
| Papua    | Diarrheal diseases                            | 35  | 242.7         | (86.6, 492.0)      | 0.001850                 | (0.0006602, 0.0037513) | 358.4         | (134.0, 731.3)     | 0.002908                 | (0.0010872, 0.0059343) |
| Papua    | HIV/AIDS                                      | 35  | 3,573.5       | (2,174.7, 5,335.8) | 0.027247                 | (0.0165810, 0.0406831) | 2,874.0       | (1,553.9, 4,618.6) | 0.023322                 | (0.0126100, 0.0374800) |
| Papua    | Lower respiratory infections                  | 35  | 258.9         | (97.8, 544.0)      | 0.001974                 | (0.0007453, 0.0041480) | 237.3         | (77.0, 521.1)      | 0.001926                 | (0.0006245, 0.0042286) |
| Papua    | Malaria                                       | 35  | 344.1         | (78.9, 826.2)      | 0.002624                 | (0.0006014, 0.0062994) | 226.9         | (47.0, 642.0)      | 0.001841                 | (0.0003815, 0.0052096) |
| Papua    | Tuberculosis                                  | 35  | 4,653.6       | (3,196.9, 6,542.4) | 0.035482                 | (0.0243751, 0.0498828) | 2,587.6       | (1,393.5, 4,072.0) | 0.020999                 | (0.0113082, 0.0330450) |
| Papua    | Maternal disorders                            | 35  |               |                    |                          |                        | 2,374.7       | (880.0, 4,462.6)   | 0.019271                 | (0.0071410, 0.0362147) |
| Papua    | Other communicable diseases                   | 35  | 1,026.1       | (493.3, 1,746.8)   | 0.007824                 | (0.0037608, 0.0133183) | 1,207.6       | (632.6, 2,076.1)   | 0.009800                 | (0.0051336, 0.0168481) |
| Papua    | Tracheal, bronchus, and lung cancer           | 35  | 46.4          | (7.8, 146.1)       | 0.000354                 | (0.0000592, 0.0011142) | 37.4          | (7.0, 120.8)       | 0.000304                 | (0.0000567, 0.0009800) |
| Papua    | Breast cancer                                 | 35  | 11.3          | (2.0, 36.8)        | 0.000086                 | (0.0000150, 0.0002808) | 1,003.6       | (363.5, 1,854.2)   | 0.008144                 | (0.0029496, 0.0150472) |
| Papua    | Cervical cancer                               | 35  |               |                    |                          |                        | 552.4         | (100.3, 1,625.8)   | 0.004483                 | (0.0008143, 0.0131939) |
| Papua    | Other malignant neoplasms                     | 35  | 1,673.7       | (924.2, 2,667.0)   | 0.012761                 | (0.0070465, 0.0203346) | 1,351.7       | (558.8, 2,438.1)   | 0.010969                 | (0.0045345, 0.0197853) |
| Papua    | Cerebrovascular disease                       | 35  | 2,488.5       | (1,592.1, 3,650.7) | 0.018974                 | (0.0121394, 0.0278349) | 2,887.1       | (1,839.9, 4,286.6) | 0.023429                 | (0.0149310, 0.0347862) |
| Papua    | Ischemic heart disease                        | 35  | 1,313.2       | (683.8, 2,176.0)   | 0.010012                 | (0.0052137, 0.0165914) | 955.6         | (459.8, 1,702.4)   | 0.007755                 | (0.0037311, 0.0138154) |
| Papua    | Other cardiovascular and circulatory diseases | 35  | 535.7         | (238.3, 978.1)     | 0.004085                 | (0.0018168, 0.0074574) | 592.0         | (266.6, 1,095.5)   | 0.004804                 | (0.0021637, 0.0088898) |
| Papua    | Diabetes mellitus                             | 35  | 456.4         | (209.8, 793.0)     | 0.003480                 | (0.0015994, 0.0060461) | 909.8         | (448.7, 1,525.9)   | 0.007383                 | (0.0036411, 0.0123831) |
| Papua    | Chronic kidney disease                        | 35  | 383.7         | (198.1, 666.1)     | 0.002925                 | (0.0015106, 0.0050789) | 386.4         | (211.4, 683.3)     | 0.003136                 | (0.0017157, 0.0055448) |
| Papua    | Cirrhosis                                     | 35  | 1,514.5       | (805.4, 2,365.3)   | 0.011547                 | (0.0061409, 0.0180342) | 1,110.5       | (592.6, 1,803.0)   | 0.009012                 | (0.0048094, 0.0146319) |
| Papua    | Chronic respiratory diseases                  | 35  | 789.2         | (389.8, 1,398.9)   | 0.006018                 | (0.0029721, 0.0106664) | 486.6         | (212.0, 931.0)     | 0.003949                 | (0.0017204, 0.0075554) |
| Papua    | Other non-communicable diseases               | 35  | 2,260.9       | (1,413.5, 3,358.2) | 0.017238                 | (0.0107772, 0.0256048) | 2,389.5       | (1,463.5, 3,548.2) | 0.019391                 | (0.0118762, 0.0287943) |
| Papua    | Drowning                                      | 35  | 1,354.9       | (570.7, 2,621.2)   | 0.010331                 | (0.0043514, 0.0199858) | 1,111.0       | (420.1, 2,214.6)   | 0.009016                 | (0.0034088, 0.0179717) |
| Papua    | Falls                                         | 35  | 884.4         | (240.4, 2,087.7)   | 0.006743                 | (0.0018333, 0.0159180) | 731.7         | (205.0, 1,705.5)   | 0.005938                 | (0.0016633, 0.0138405) |
| Papua    | Interpersonal violence                        | 35  | 288.0         | (124.1, 607.6)     | 0.002196                 | (0.0009465, 0.0046323) | 182.3         | (53.8, 512.3)      | 0.001480                 | (0.0004364, 0.0041576) |
| Papua    | Self-harm                                     | 35  | 155.6         | (57.8, 329.5)      | 0.001186                 | (0.0004404, 0.0025126) | 69.2          | (20.7, 165.4)      | 0.000562                 | (0.0001684, 0.0013426) |
| Papua    | Transport injuries                            | 35  | 3,437.3       | (2,090.0, 5,324.2) | 0.026208                 | (0.0159354, 0.0405950) | 1,783.4       | (912.5, 3,203.6)   | 0.014472                 | (0.0074054, 0.0259978) |
| Papua    | Other unintentional injuries                  | 35  | 544.9         | (140.8, 1,477.7)   | 0.004155                 | (0.0010733, 0.0112666) | 275.4         | (59.7, 754.2)      | 0.002235                 | (0.0004842, 0.0061207) |
| Papua    | Diarrheal diseases                            | 40  | 252.0         | (90.7, 505.9)      | 0.002218                 | (0.0007984, 0.0044529) | 331.6         | (129.3, 639.1)     | 0.003683                 | (0.0014367, 0.0070988) |
| Papua    | HIV/AIDS                                      | 40  | 2,327.3       | (1,283.9, 3,736.0) | 0.020486                 | (0.0113017, 0.0328853) | 1,797.4       | (983.8, 2,879.3)   | 0.019965                 | (0.0109278, 0.0319815) |
| Papua    | Lower respiratory infections                  | 40  | 291.9         | (113.7, 577.3)     | 0.002569                 | (0.0010006, 0.0050815) | 243.0         | (88.1, 496.1)      | 0.002699                 | (0.0009783, 0.0055103) |
| Papua    | Malaria                                       | 40  | 323.4         | (71.8, 783.3)      | 0.002846                 | (0.0006317, 0.0068952) | 208.6         | (42.3, 553.7)      | 0.002317                 | (0.0004701, 0.0061503) |
| Papua    | Tuberculosis                                  | 40  | 4,861.5       | (3,366.8, 6,886.5) | 0.042793                 | (0.0296357, 0.0606176) | 2,704.2       | (1,655.1, 3,958.9) | 0.030037                 | (0.0183837, 0.0439729) |
| Papua    | Maternal disorders                            | 40  |               |                    |                          |                        | 787.0         | (231.1, 1,693.9)   | 0.008741                 | (0.0025667, 0.0188147) |
| Papua    | Other communicable diseases                   | 40  | 966.6         | (454.3, 1,642.1)   | 0.008509                 | (0.0039990, 0.0144544) | 987.7         | (514.6, 1,645.1)   | 0.010971                 | (0.0057160, 0.0182728) |
| Papua    | Tracheal, bronchus, and lung cancer           | 40  | 89.0          | (18.7, 252.4)      | 0.000784                 | (0.0001644, 0.0022215) | 56.9          | (11.3, 180.8)      | 0.000632                 | (0.0001256, 0.0020084) |
| Papua    | Breast cancer                                 | 40  | 23.2          | (4.8, 70.5)        | 0.000204                 | (0.0000420, 0.0006207) | 1,269.9       | (459.9, 2,246.4)   | 0.014105                 | (0.0051082, 0.0249515) |
| Papua    | Cervical cancer                               | 40  |               |                    |                          |                        | 725.4         | (146.4, 1,919.6)   | 0.008057                 | (0.0016264, 0.0213219) |
| Papua    | Other malignant neoplasms                     | 40  | 2,374.8       | (1,354.8, 3,679.7) | 0.020903                 | (0.0119258, 0.0323896) | 1,275.0       | (534.2, 2,305.3)   | 0.014161                 | (0.0059330, 0.0256059) |
| Papua    | Cerebrovascular disease                       | 40  | 4,110.5       | (2,711.9, 5,917.1) | 0.036182                 | (0.0238713, 0.0520846) | 3,720.5       | (2,459.7, 5,234.5) | 0.041325                 | (0.0273204, 0.0581418) |
| Papua    | Ischemic heart disease                        | 40  | 1,989.3       | (1,057.0, 3,208.2) | 0.017511                 | (0.0093038, 0.0282396) | 1,195.8       | (608.6, 2,044.3)   | 0.013283                 | (0.0067604, 0.0227070) |
| Papua    | Other cardiovascular and circulatory diseases | 40  | 801.1         | (366.3, 1,436.7)   | 0.007052                 | (0.0032242, 0.0126467) | 712.0         | (337.6, 1,315.4)   | 0.007908                 | (0.0037496, 0.0146107) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua    | Diabetes mellitus                             | 40  | 975.8         | (477.2, 1,649.0)   | 0.008589                 | (0.0042003, 0.0145148) | 1,543.5       | (814.9, 2,476.5)   | 0.017144                 | (0.0090509, 0.0275071) |
| Papua    | Chronic kidney disease                        | 40  | 493.6         | (263.6, 827.6)     | 0.004345                 | (0.0023205, 0.0072847) | 410.3         | (229.9, 694.0)     | 0.004557                 | (0.0025534, 0.0077087) |
| Papua    | Cirrhosis                                     | 40  | 1,920.6       | (1,059.3, 2,995.9) | 0.016906                 | (0.0093244, 0.0263709) | 1,080.3       | (606.0, 1,697.1)   | 0.012000                 | (0.0067308, 0.0188501) |
| Papua    | Chronic respiratory diseases                  | 40  | 1,235.0       | (625.7, 2,097.0)   | 0.010871                 | (0.0055078, 0.0184584) | 625.3         | (291.2, 1,162.1)   | 0.006945                 | (0.0032349, 0.0129082) |
| Papua    | Other non-communicable diseases               | 40  | 2,588.3       | (1,647.1, 3,875.3) | 0.022783                 | (0.0144987, 0.0341118) | 2,175.3       | (1,358.3, 3,224.5) | 0.024162                 | (0.0150873, 0.0358162) |
| Papua    | Drowning                                      | 40  | 762.0         | (272.2, 1,642.6)   | 0.006707                 | (0.0023958, 0.0144587) | 431.6         | (146.8, 941.4)     | 0.004794                 | (0.0016306, 0.0104565) |
| Papua    | Falls                                         | 40  | 789.9         | (212.6, 1,915.0)   | 0.006953                 | (0.0018715, 0.0168562) | 477.0         | (137.9, 1,120.9)   | 0.005298                 | (0.0015315, 0.0124498) |
| Papua    | Interpersonal violence                        | 40  | 217.9         | (92.5, 470.1)      | 0.001918                 | (0.0008145, 0.0041380) | 116.3         | (38.3, 295.3)      | 0.001292                 | (0.0004259, 0.0032798) |
| Papua    | Self-harm                                     | 40  | 133.3         | (50.7, 291.1)      | 0.001173                 | (0.0004460, 0.0025620) | 52.2          | (17.1, 119.4)      | 0.000580                 | (0.0001901, 0.0013265) |
| Papua    | Transport injuries                            | 40  | 2,805.6       | (1,576.0, 4,434.6) | 0.024696                 | (0.0138728, 0.0390346) | 1,093.8       | (575.0, 1,945.1)   | 0.012150                 | (0.0063867, 0.0216050) |
| Papua    | Other unintentional injuries                  | 40  | 433.6         | (105.2, 1,133.3)   | 0.003817                 | (0.0009257, 0.0099754) | 173.8         | (39.4, 478.9)      | 0.001930                 | (0.0004380, 0.0053196) |
| Papua    | Diarrheal diseases                            | 45  | 186.5         | (66.2, 375.5)      | 0.002233                 | (0.0007923, 0.0044963) | 264.3         | (104.0, 496.3)     | 0.004421                 | (0.0017391, 0.0082995) |
| Papua    | HIV/AIDS                                      | 45  | 1,109.8       | (513.2, 1,969.4)   | 0.013289                 | (0.0061461, 0.0235836) | 979.1         | (465.0, 1,691.8)   | 0.016375                 | (0.0077771, 0.0282934) |
| Papua    | Lower respiratory infections                  | 45  | 292.7         | (116.0, 604.8)     | 0.003506                 | (0.0013887, 0.0072426) | 275.7         | (105.4, 539.2)     | 0.004610                 | (0.0017625, 0.0090171) |
| Papua    | Malaria                                       | 45  | 222.0         | (53.4, 522.8)      | 0.002658                 | (0.0006394, 0.0062609) | 157.9         | (33.6, 410.9)      | 0.002641                 | (0.0005626, 0.0068726) |
| Papua    | Tuberculosis                                  | 45  | 4,715.4       | (3,401.1, 6,499.9) | 0.056468                 | (0.0407286, 0.0778369) | 3,037.0       | (2,066.4, 4,091.7) | 0.050791                 | (0.0345594, 0.0684307) |
| Papua    | Maternal disorders                            | 45  |               |                    |                          |                        | 68.9          | (19.2, 179.3)      | 0.001152                 | (0.0003205, 0.0029982) |
| Papua    | Other communicable diseases                   | 45  | 603.6         | (272.7, 1,047.6)   | 0.007228                 | (0.0032655, 0.0125455) | 659.7         | (322.5, 1,080.9)   | 0.011033                 | (0.0053938, 0.0180764) |
| Papua    | Tracheal, bronchus, and lung cancer           | 45  | 168.2         | (37.4, 450.1)      | 0.002014                 | (0.0004480, 0.0053896) | 70.7          | (15.4, 204.0)      | 0.001182                 | (0.0002577, 0.0034125) |
| Papua    | Breast cancer                                 | 45  | 24.9          | (5.9, 68.6)        | 0.000298                 | (0.0000704, 0.0008217) | 1,008.1       | (374.9, 1,823.0)   | 0.016860                 | (0.0062690, 0.0304876) |
| Papua    | Cervical cancer                               | 45  |               |                    |                          |                        | 733.1         | (184.0, 1,796.2)   | 0.012260                 | (0.0030766, 0.0300402) |
| Papua    | Other malignant neoplasms                     | 45  | 1,902.1       | (1,093.4, 2,962.4) | 0.022778                 | (0.0130937, 0.0354753) | 814.2         | (323.3, 1,504.0)   | 0.013617                 | (0.0054073, 0.0251528) |
| Papua    | Cerebrovascular disease                       | 45  | 4,719.2       | (3,196.7, 6,583.9) | 0.056512                 | (0.0382812, 0.0788426) | 4,116.3       | (2,874.4, 5,654.1) | 0.068841                 | (0.0480722, 0.0945599) |
| Papua    | Ischemic heart disease                        | 45  | 2,133.9       | (1,170.5, 3,416.7) | 0.025553                 | (0.0140164, 0.0409153) | 1,268.4       | (663.9, 2,116.7)   | 0.021212                 | (0.0111036, 0.0353994) |
| Papua    | Other cardiovascular and circulatory diseases | 45  | 862.3         | (393.8, 1,544.3)   | 0.010327                 | (0.0047153, 0.0184926) | 745.4         | (359.7, 1,374.0)   | 0.012466                 | (0.0060150, 0.0229792) |
| Papua    | Diabetes mellitus                             | 45  | 1,313.7       | (674.5, 2,148.9)   | 0.015731                 | (0.0080768, 0.0257335) | 1,993.1       | (1,121.4, 3,046.8) | 0.033333                 | (0.0187545, 0.0509546) |
| Papua    | Chronic kidney disease                        | 45  | 451.1         | (239.5, 763.4)     | 0.005403                 | (0.0028681, 0.0091414) | 367.6         | (206.1, 620.6)     | 0.006147                 | (0.0034467, 0.0103791) |
| Papua    | Cirrhosis                                     | 45  | 1,593.9       | (863.9, 2,486.2)   | 0.019087                 | (0.0103455, 0.0297729) | 862.2         | (483.3, 1,364.6)   | 0.014420                 | (0.0080826, 0.0228217) |
| Papua    | Chronic respiratory diseases                  | 45  | 1,521.9       | (794.1, 2,503.1)   | 0.018225                 | (0.0095092, 0.0299748) | 786.1         | (388.4, 1,380.8)   | 0.013147                 | (0.0064950, 0.0230931) |
| Papua    | Other non-communicable diseases               | 45  | 2,153.6       | (1,368.3, 3,244.1) | 0.025789                 | (0.0163853, 0.0388490) | 1,759.3       | (1,108.7, 2,573.6) | 0.029422                 | (0.0185414, 0.0430414) |
| Papua    | Drowning                                      | 45  | 373.6         | (118.3, 835.5)     | 0.004474                 | (0.0014171, 0.0100049) | 200.0         | (61.8, 487.0)      | 0.003344                 | (0.0010334, 0.0081439) |
| Papua    | Falls                                         | 45  | 656.0         | (178.2, 1,561.7)   | 0.007855                 | (0.0021336, 0.0187015) | 379.0         | (115.8, 887.3)     | 0.006338                 | (0.0019361, 0.0148394) |
| Papua    | Interpersonal violence                        | 45  | 156.8         | (65.5, 336.8)      | 0.001878                 | (0.0007847, 0.0040327) | 82.7          | (26.8, 203.3)      | 0.001384                 | (0.0004483, 0.0034007) |
| Papua    | Self-harm                                     | 45  | 112.1         | (42.3, 248.5)      | 0.001342                 | (0.0005066, 0.0029753) | 44.0          | (14.7, 101.3)      | 0.000735                 | (0.0002453, 0.0016947) |
| Papua    | Transport injuries                            | 45  | 2,186.4       | (1,288.6, 3,495.5) | 0.026182                 | (0.0154306, 0.0418593) | 817.8         | (437.5, 1,393.7)   | 0.013676                 | (0.0073172, 0.0233079) |
| Papua    | Other unintentional injuries                  | 45  | 323.5         | (76.9, 874.4)      | 0.003874                 | (0.0009214, 0.0104715) | 126.5         | (30.3, 364.7)      | 0.002116                 | (0.0005068, 0.0060989) |
| Papua    | Diarrheal diseases                            | 50  | 158.9         | (57.8, 307.5)      | 0.003106                 | (0.0011299, 0.0060123) | 212.3         | (87.1, 390.0)      | 0.006030                 | (0.0024746, 0.0110792) |
| Papua    | HIV/AIDS                                      | 50  | 355.3         | (144.4, 712.2)     | 0.006947                 | (0.0028227, 0.0139235) | 316.4         | (133.9, 604.6)     | 0.008987                 | (0.0038034, 0.0171746) |
| Papua    | Lower respiratory infections                  | 50  | 260.1         | (100.9, 521.7)     | 0.005086                 | (0.0019722, 0.0101992) | 237.8         | (93.0, 466.8)      | 0.006754                 | (0.0026403, 0.0132601) |
| Papua    | Malaria                                       | 50  | 158.6         | (38.2, 368.7)      | 0.003100                 | (0.0007477, 0.0072086) | 110.7         | (24.6, 287.9)      | 0.003145                 | (0.0006992, 0.0081781) |
| Papua    | Tuberculosis                                  | 50  | 3,992.6       | (2,941.1, 5,419.2) | 0.078057                 | (0.0574994, 0.1059485) | 2,583.9       | (1,832.9, 3,379.2) | 0.073397                 | (0.0520622, 0.0959858) |
| Papua    | Maternal disorders                            | 50  |               |                    |                          |                        | 9.9           | (1.8, 31.0)        | 0.000282                 | (0.0000514, 0.0008805) |
| Papua    | Other communicable diseases                   | 50  | 380.5         | (169.8, 698.4)     | 0.007439                 | (0.0033193, 0.0136541) | 387.8         | (187.8, 664.7)     | 0.011016                 | (0.0053331, 0.0188795) |
| Papua    | Tracheal, bronchus, and lung cancer           | 50  | 193.8         | (47.9, 516.4)      | 0.003789                 | (0.0009361, 0.0100950) | 58.6          | (13.2, 164.5)      | 0.001663                 | (0.0003735, 0.0046734) |
| Papua    | Breast cancer                                 | 50  | 19.6          | (5.5, 48.2)        | 0.000384                 | (0.0001084, 0.0009433) | 599.6         | (222.7, 1,134.2)   | 0.017032                 | (0.0063252, 0.0322166) |
| Papua    | Cervical cancer                               | 50  |               |                    |                          |                        | 628.3         | (206.1, 1,374.8)   | 0.017847                 | (0.0058549, 0.0390512) |
| Papua    | Other malignant neoplasms                     | 50  | 1,194.4       | (674.3, 1,900.0)   | 0.023351                 | (0.0131827, 0.0371453) | 485.5         | (189.9, 913.0)     | 0.013789                 | (0.0053951, 0.0259324) |
| Papua    | Cerebrovascular disease                       | 50  | 4,436.8       | (3,112.0, 6,126.1) | 0.086742                 | (0.0608405, 0.1197688) | 3,638.3       | (2,585.3, 4,867.1) | 0.103346                 | (0.0734362, 0.1382487) |
| Papua    | Ischemic heart disease                        | 50  | 1,900.4       | (1,048.1, 3,037.2) | 0.037153                 | (0.0204913, 0.0593785) | 1,040.8       | (563.0, 1,713.1)   | 0.029564                 | (0.0159926, 0.0486605) |
| Papua    | Other cardiovascular and circulatory diseases | 50  | 818.7         | (379.3, 1,466.9)   | 0.016006                 | (0.0074157, 0.0286778) | 692.7         | (349.8, 1,250.4)   | 0.019675                 | (0.0099364, 0.0355167) |
| Papua    | Diabetes mellitus                             | 50  | 1,264.0       | (673.7, 1,965.5)   | 0.024711                 | (0.0131716, 0.0384276) | 1,846.2       | (1,084.7, 2,662.8) | 0.052442                 | (0.0308120, 0.0756378) |
| Papua    | Chronic kidney disease                        | 50  | 350.2         | (192.0, 598.0)     | 0.006847                 | (0.0037546, 0.0116917) | 280.1         | (163.1, 461.8)     | 0.007955                 | (0.0046325, 0.0131172) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua    | Cirrhosis                                     | 50  | 1,142.3       | (611.6, 1,771.4)   | 0.022333                 | (0.0119570, 0.0346326) | 587.8         | (330.6, 912.9)     | 0.016697                 | (0.0093896, 0.0259314) |
| Papua    | Chronic respiratory diseases                  | 50  | 1,571.5       | (877.9, 2,576.5)   | 0.030725                 | (0.0171636, 0.0503723) | 861.9         | (461.1, 1,456.4)   | 0.024483                 | (0.0130961, 0.0413697) |
| Papua    | Other non-communicable diseases               | 50  | 1,617.8       | (1,043.9, 2,458.7) | 0.031629                 | (0.0204094, 0.0480683) | 1,271.7       | (818.0, 1,852.6)   | 0.036121                 | (0.0232363, 0.0526219) |
| Papua    | Drowning                                      | 50  | 155.5         | (44.5, 388.3)      | 0.003041                 | (0.0008705, 0.0075917) | 72.3          | (21.5, 183.4)      | 0.002054                 | (0.0006115, 0.0052104) |
| Papua    | Falls                                         | 50  | 443.5         | (130.0, 1,031.0)   | 0.008671                 | (0.0025416, 0.0201573) | 227.2         | (73.5, 496.1)      | 0.006454                 | (0.0020890, 0.0140922) |
| Papua    | Interpersonal violence                        | 50  | 89.3          | (36.4, 185.6)      | 0.001746                 | (0.0007124, 0.0036278) | 44.5          | (15.1, 98.4)       | 0.001265                 | (0.0004294, 0.0027945) |
| Papua    | Self-harm                                     | 50  | 73.0          | (27.1, 163.3)      | 0.001426                 | (0.0005300, 0.0031922) | 27.5          | (9.1, 62.5)        | 0.000781                 | (0.0002587, 0.0017752) |
| Papua    | Transport injuries                            | 50  | 1,103.9       | (587.7, 1,784.8)   | 0.021582                 | (0.0114891, 0.0348934) | 369.1         | (180.5, 643.3)     | 0.010484                 | (0.0051265, 0.0182717) |
| Papua    | Other unintentional injuries                  | 50  | 176.5         | (41.1, 492.4)      | 0.003450                 | (0.0008044, 0.0096265) | 63.4          | (15.3, 174.2)      | 0.001802                 | (0.0004356, 0.0049495) |
| Papua    | Diarrheal diseases                            | 55  | 105.3         | (37.2, 203.5)      | 0.003653                 | (0.0012888, 0.0070589) | 142.7         | (57.6, 261.9)      | 0.007218                 | (0.0029108, 0.0132469) |
| Papua    | HIV/AIDS                                      | 55  | 103.7         | (33.4, 234.9)      | 0.003597                 | (0.0011573, 0.0081471) | 95.2          | (33.7, 207.8)      | 0.004815                 | (0.0017058, 0.0105099) |
| Papua    | Lower respiratory infections                  | 55  | 170.2         | (65.5, 340.3)      | 0.005904                 | (0.0022732, 0.0118011) | 162.1         | (61.9, 316.3)      | 0.008196                 | (0.0031319, 0.0159979) |
| Papua    | Malaria                                       | 55  | 108.1         | (27.4, 250.4)      | 0.003748                 | (0.0009508, 0.0086843) | 77.6          | (17.7, 199.4)      | 0.003925                 | (0.0008972, 0.0100862) |
| Papua    | Tuberculosis                                  | 55  | 2,574.5       | (1,952.7, 3,510.2) | 0.089289                 | (0.0677238, 0.1217408) | 1,760.4       | (1,273.3, 2,290.0) | 0.089027                 | (0.0643927, 0.1158130) |
| Papua    | Other communicable diseases                   | 55  | 212.3         | (89.4, 387.7)      | 0.007363                 | (0.0030999, 0.0134462) | 219.1         | (100.5, 382.9)     | 0.011080                 | (0.0050806, 0.0193647) |
| Papua    | Tracheal, bronchus, and lung cancer           | 55  | 186.9         | (45.5, 484.9)      | 0.006483                 | (0.0015785, 0.0168172) | 40.6          | (8.9, 110.3)       | 0.002053                 | (0.0004501, 0.0055772) |
| Papua    | Breast cancer                                 | 55  | 14.6          | (4.0, 35.5)        | 0.000505                 | (0.0001389, 0.0012300) | 337.9         | (124.0, 642.5)     | 0.017090                 | (0.0062721, 0.0324946) |
| Papua    | Cervical cancer                               | 55  |               |                    |                          |                        | 340.3         | (106.9, 748.5)     | 0.017211                 | (0.0054041, 0.0378548) |
| Papua    | Other malignant neoplasms                     | 55  | 668.6         | (373.5, 1,074.5)   | 0.023189                 | (0.0129545, 0.0372664) | 286.8         | (114.5, 551.8)     | 0.014505                 | (0.0057892, 0.0279084) |
| Papua    | Cerebrovascular disease                       | 55  | 3,502.1       | (2,502.9, 4,826.7) | 0.121460                 | (0.0868051, 0.1673989) | 2,983.7       | (2,175.9, 3,958.8) | 0.150894                 | (0.1100440, 0.2002100) |
| Papua    | Ischemic heart disease                        | 55  | 1,514.0       | (843.9, 2,398.8)   | 0.052509                 | (0.0292664, 0.0831952) | 894.8         | (494.9, 1,447.6)   | 0.045251                 | (0.0250269, 0.0732082) |
| Papua    | Other cardiovascular and circulatory diseases | 55  | 657.9         | (311.5, 1,135.3)   | 0.022818                 | (0.0108024, 0.0393755) | 574.7         | (287.5, 1,002.4)   | 0.029065                 | (0.0145421, 0.0506943) |
| Papua    | Diabetes mellitus                             | 55  | 945.6         | (516.7, 1,498.9)   | 0.032797                 | (0.0179216, 0.0519854) | 1,427.1       | (850.1, 2,055.4)   | 0.072172                 | (0.0429946, 0.1039454) |
| Papua    | Chronic kidney disease                        | 55  | 245.7         | (137.5, 414.6)     | 0.008521                 | (0.0047685, 0.0143803) | 204.3         | (120.6, 333.6)     | 0.010333                 | (0.0060977, 0.0168734) |
| Papua    | Cirrhosis                                     | 55  | 677.3         | (362.7, 1,053.8)   | 0.023491                 | (0.0125792, 0.0365478) | 358.5         | (203.6, 544.5)     | 0.018132                 | (0.0102946, 0.0275372) |
| Papua    | Chronic respiratory diseases                  | 55  | 1,264.4       | (707.4, 2,053.7)   | 0.043851                 | (0.0245321, 0.0712248) | 714.9         | (385.5, 1,180.2)   | 0.036154                 | (0.0194939, 0.0596848) |
| Papua    | Other non-communicable diseases               | 55  | 1,162.1       | (753.4, 1,753.1)   | 0.040303                 | (0.0261286, 0.0608005) | 948.5         | (620.4, 1,362.3)   | 0.047969                 | (0.0313749, 0.0688940) |
| Papua    | Drowning                                      | 55  | 60.0          | (15.8, 151.3)      | 0.002082                 | (0.0005473, 0.0052460) | 27.1          | (7.2, 68.8)        | 0.001369                 | (0.0003643, 0.0034818) |
| Papua    | Falls                                         | 55  | 267.3         | (81.2, 567.7)      | 0.009269                 | (0.0028167, 0.0196877) | 134.3         | (46.8, 279.0)      | 0.006791                 | (0.0023647, 0.0141078) |
| Papua    | Interpersonal violence                        | 55  | 48.9          | (19.8, 101.8)      | 0.001696                 | (0.0006878, 0.0035292) | 24.1          | (8.7, 53.1)        | 0.001220                 | (0.0004387, 0.0026835) |
| Papua    | Self-harm                                     | 55  | 47.5          | (17.6, 107.4)      | 0.001648                 | (0.0006105, 0.0037232) | 18.0          | (6.1, 40.2)        | 0.000908                 | (0.0003098, 0.0020320) |
| Papua    | Transport injuries                            | 55  | 447.5         | (213.2, 781.9)     | 0.015520                 | (0.0073948, 0.0271185) | 146.5         | (66.2, 273.3)      | 0.007412                 | (0.0033500, 0.0138227) |
| Papua    | Other unintentional injuries                  | 55  | 91.4          | (20.1, 252.3)      | 0.003169                 | (0.0006971, 0.0087507) | 32.6          | (7.3, 93.1)        | 0.001649                 | (0.0003701, 0.0047071) |
| Papua    | Diarrheal diseases                            | 60  | 87.5          | (29.9, 166.4)      | 0.004780                 | (0.0016364, 0.0090947) | 99.4          | (39.8, 179.8)      | 0.008792                 | (0.0035222, 0.0158965) |
| Papua    | HIV/AIDS                                      | 60  | 56.9          | (14.1, 141.3)      | 0.003110                 | (0.0007697, 0.0077217) | 43.7          | (13.7, 102.5)      | 0.003866                 | (0.0012084, 0.0090611) |
| Papua    | Lower respiratory infections                  | 60  | 168.4         | (65.4, 329.5)      | 0.009203                 | (0.0035717, 0.0180044) | 141.0         | (55.2, 272.7)      | 0.012463                 | (0.0048770, 0.0241117) |
| Papua    | Malaria                                       | 60  | 91.4          | (23.6, 206.6)      | 0.004995                 | (0.0012874, 0.0112873) | 54.0          | (12.7, 136.5)      | 0.004774                 | (0.0011223, 0.0120656) |
| Papua    | Tuberculosis                                  | 60  | 2,442.4       | (1,863.7, 3,262.2) | 0.133459                 | (0.1018404, 0.1782597) | 1,444.2       | (1,062.9, 1,852.2) | 0.127676                 | (0.0939719, 0.1637532) |
| Papua    | Other communicable diseases                   | 60  | 123.2         | (47.3, 235.1)      | 0.006735                 | (0.0025825, 0.0128453) | 107.6         | (46.7, 199.1)      | 0.009509                 | (0.0041308, 0.0176064) |
| Papua    | Tracheal, bronchus, and lung cancer           | 60  | 123.6         | (31.3, 334.8)      | 0.006753                 | (0.0017089, 0.0182969) | 25.8          | (5.8, 70.0)        | 0.002281                 | (0.0005111, 0.0061886) |
| Papua    | Breast cancer                                 | 60  | 12.6          | (2.8, 33.5)        | 0.000690                 | (0.0001557, 0.0018330) | 176.0         | (62.2, 332.0)      | 0.015557                 | (0.0055025, 0.0293558) |
| Papua    | Cervical cancer                               | 60  |               |                    |                          |                        | 199.9         | (63.5, 463.2)      | 0.017673                 | (0.0056107, 0.0409548) |
| Papua    | Other malignant neoplasms                     | 60  | 532.3         | (299.7, 863.4)     | 0.029084                 | (0.0163771, 0.0471790) | 193.0         | (77.8, 359.1)      | 0.017063                 | (0.0068765, 0.0317457) |
| Papua    | Cerebrovascular disease                       | 60  | 3,117.0       | (2,214.9, 4,187.5) | 0.170322                 | (0.1210282, 0.2288211) | 2,292.8       | (1,690.9, 2,965.7) | 0.202705                 | (0.1494882, 0.2621873) |
| Papua    | Ischemic heart disease                        | 60  | 1,247.5       | (689.2, 2,005.0)   | 0.068168                 | (0.0376586, 0.1095576) | 679.5         | (381.4, 1,076.4)   | 0.060077                 | (0.0337188, 0.0951578) |
| Papua    | Other cardiovascular and circulatory diseases | 60  | 614.8         | (288.1, 1,057.0)   | 0.033597                 | (0.0157446, 0.0577579) | 443.8         | (222.2, 777.0)     | 0.039239                 | (0.0196425, 0.0686923) |
| Papua    | Diabetes mellitus                             | 60  | 717.9         | (402.1, 1,157.8)   | 0.039230                 | (0.0219742, 0.0632683) | 920.8         | (560.6, 1,342.9)   | 0.081404                 | (0.0495632, 0.1187210) |
| Papua    | Chronic kidney disease                        | 60  | 197.0         | (110.1, 328.5)     | 0.010767                 | (0.0060151, 0.0179531) | 137.3         | (81.1, 220.6)      | 0.012139                 | (0.0071698, 0.0195051) |
| Papua    | Cirrhosis                                     | 60  | 468.1         | (252.3, 727.5)     | 0.025579                 | (0.0137886, 0.0397529) | 211.5         | (120.1, 319.0)     | 0.018701                 | (0.0106184, 0.0282012) |
| Papua    | Chronic respiratory diseases                  | 60  | 1,502.9       | (895.5, 2,289.4)   | 0.082123                 | (0.0489338, 0.1251003) | 684.6         | (386.5, 1,090.2)   | 0.060528                 | (0.0341683, 0.0963832) |
| Papua    | Other non-communicable diseases               | 60  | 1,079.9       | (708.7, 1,580.9)   | 0.059008                 | (0.0387262, 0.0863885) | 746.6         | (502.6, 1,057.6)   | 0.066006                 | (0.0444321, 0.0934978) |
| Papua    | Drowning                                      | 60  | 31.0          | (7.5, 83.4)        | 0.001696                 | (0.0004075, 0.0045555) | 12.4          | (3.1, 33.0)        | 0.001097                 | (0.0002733, 0.0029144) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                    |                          |                        | Females       |                    |                          |                        |
|----------|-----------------------------------------------|-----|---------------|--------------------|--------------------------|------------------------|---------------|--------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                    | YLLs per capita (95% UI) |                        |
| Papua    | Falls                                         | 60  | 164.7         | (49.2, 370.3)      | 0.008997                 | (0.0026862, 0.0202360) | 71.9          | (25.1, 151.5)      | 0.006358                 | (0.0022198, 0.0133917) |
| Papua    | Interpersonal violence                        | 60  | 29.7          | (11.0, 60.3)       | 0.001621                 | (0.0006031, 0.0032968) | 12.1          | (4.3, 27.7)        | 0.001072                 | (0.0003844, 0.0024487) |
| Papua    | Self-harm                                     | 60  | 33.9          | (12.1, 77.9)       | 0.001851                 | (0.0006609, 0.0042574) | 10.5          | (3.5, 24.3)        | 0.000931                 | (0.0003125, 0.0021486) |
| Papua    | Transport injuries                            | 60  | 285.8         | (143.6, 481.3)     | 0.015618                 | (0.0078491, 0.0262993) | 80.3          | (37.2, 142.1)      | 0.007102                 | (0.0032873, 0.0125626) |
| Papua    | Other unintentional injuries                  | 60  | 59.8          | (12.8, 163.4)      | 0.003268                 | (0.0006982, 0.0089278) | 18.1          | (4.1, 49.9)        | 0.001601                 | (0.0003610, 0.0044090) |
| Papua    | Diarrheal diseases                            | 65  | 83.9          | (32.3, 156.5)      | 0.010020                 | (0.0038531, 0.0186813) | 100.5         | (46.0, 173.9)      | 0.018753                 | (0.0085826, 0.0324495) |
| Papua    | HIV/AIDS                                      | 65  | 30.1          | (8.7, 79.3)        | 0.003591                 | (0.0010414, 0.0094683) | 25.0          | (8.2, 59.8)        | 0.004673                 | (0.0015237, 0.0111547) |
| Papua    | Lower respiratory infections                  | 65  | 108.7         | (41.7, 217.9)      | 0.012982                 | (0.0049736, 0.0260196) | 101.8         | (40.1, 191.2)      | 0.018987                 | (0.0074778, 0.0356763) |
| Papua    | Malaria                                       | 65  | 54.2          | (13.1, 132.7)      | 0.006476                 | (0.0015694, 0.0158435) | 32.6          | (7.0, 88.3)        | 0.006078                 | (0.0013099, 0.0164781) |
| Papua    | Tuberculosis                                  | 65  | 1,370.1       | (1,031.7, 1,856.9) | 0.163578                 | (0.1231755, 0.2216859) | 870.7         | (633.8, 1,118.3)   | 0.162435                 | (0.1182388, 0.2086412) |
| Papua    | Other communicable diseases                   | 65  | 70.4          | (28.6, 138.2)      | 0.008405                 | (0.0034113, 0.0164992) | 65.9          | (27.4, 122.5)      | 0.012302                 | (0.0051028, 0.0228532) |
| Papua    | Tracheal, bronchus, and lung cancer           | 65  | 52.5          | (13.5, 143.6)      | 0.006268                 | (0.0016066, 0.0171411) | 11.4          | (2.6, 30.5)        | 0.002119                 | (0.0004771, 0.0056848) |
| Papua    | Breast cancer                                 | 65  | 4.8           | (1.0, 13.5)        | 0.000574                 | (0.0001209, 0.0016153) | 67.3          | (22.6, 131.2)      | 0.012562                 | (0.0042181, 0.0244803) |
| Papua    | Cervical cancer                               | 65  |               |                    |                          |                        | 84.5          | (26.4, 200.3)      | 0.015765                 | (0.0049287, 0.0373769) |
| Papua    | Other malignant neoplasms                     | 65  | 217.5         | (119.9, 354.2)     | 0.025967                 | (0.0143124, 0.0422830) | 100.6         | (40.7, 190.3)      | 0.018764                 | (0.0076017, 0.0355103) |
| Papua    | Cerebrovascular disease                       | 65  | 1,697.9       | (1,196.3, 2,328.3) | 0.202707                 | (0.1428245, 0.2779680) | 1,384.2       | (1,033.0, 1,769.2) | 0.258240                 | (0.1927138, 0.3300685) |
| Papua    | Ischemic heart disease                        | 65  | 626.6         | (342.5, 1,021.6)   | 0.074803                 | (0.0408925, 0.1219699) | 376.7         | (209.4, 603.7)     | 0.070277                 | (0.0390603, 0.1126354) |
| Papua    | Other cardiovascular and circulatory diseases | 65  | 352.8         | (167.4, 606.8)     | 0.042121                 | (0.0199811, 0.0724463) | 278.2         | (142.2, 486.3)     | 0.051905                 | (0.0265309, 0.0907187) |
| Papua    | Diabetes mellitus                             | 65  | 299.0         | (158.2, 487.1)     | 0.035702                 | (0.0188824, 0.0581565) | 427.0         | (251.0, 642.1)     | 0.079656                 | (0.0468231, 0.1197864) |
| Papua    | Chronic kidney disease                        | 65  | 95.2          | (53.4, 160.4)      | 0.011371                 | (0.0063740, 0.0191503) | 72.3          | (42.9, 113.8)      | 0.013492                 | (0.0080027, 0.0212335) |
| Papua    | Cirrhosis                                     | 65  | 193.2         | (100.2, 307.8)     | 0.023060                 | (0.0119576, 0.0367469) | 97.9          | (54.7, 149.5)      | 0.018257                 | (0.0101992, 0.0278985) |
| Papua    | Chronic respiratory diseases                  | 65  | 875.6         | (528.8, 1,330.2)   | 0.104533                 | (0.0631303, 0.1588136) | 440.3         | (255.5, 676.3)     | 0.082142                 | (0.0476724, 0.1261651) |
| Papua    | Other non-communicable diseases               | 65  | 630.7         | (416.4, 919.7)     | 0.075297                 | (0.0497083, 0.1098010) | 480.7         | (325.0, 670.3)     | 0.089673                 | (0.0606402, 0.1250566) |
| Papua    | Drowning                                      | 65  | 13.5          | (3.1, 35.3)        | 0.001613                 | (0.0003708, 0.0042113) | 6.2           | (1.5, 16.6)        | 0.001153                 | (0.0002778, 0.0031042) |
| Papua    | Falls                                         | 65  | 89.8          | (27.1, 189.8)      | 0.010723                 | (0.0032367, 0.0226629) | 43.8          | (15.5, 88.3)       | 0.008172                 | (0.0028916, 0.0164797) |
| Papua    | Interpersonal violence                        | 65  | 11.8          | (4.2, 26.1)        | 0.001405                 | (0.0004955, 0.0031219) | 5.0           | (1.6, 12.5)        | 0.000935                 | (0.0002983, 0.0023321) |
| Papua    | Self-harm                                     | 65  | 15.3          | (4.9, 35.0)        | 0.001825                 | (0.0005828, 0.0041755) | 4.9           | (1.6, 11.0)        | 0.000912                 | (0.0002990, 0.0020587) |
| Papua    | Transport injuries                            | 65  | 124.8         | (58.5, 225.7)      | 0.014903                 | (0.0069837, 0.0269447) | 38.5          | (16.4, 74.3)       | 0.007179                 | (0.0030529, 0.0138645) |
| Papua    | Other unintentional injuries                  | 65  | 28.3          | (6.0, 75.3)        | 0.003377                 | (0.0007141, 0.0089920) | 9.2           | (2.0, 26.3)        | 0.001721                 | (0.0003717, 0.0049001) |
| Papua    | Diarrheal diseases                            | 70  | 80.1          | (34.1, 140.7)      | 0.018487                 | (0.0078656, 0.0324609) | 108.7         | (55.1, 180.9)      | 0.031560                 | (0.0159989, 0.0525513) |
| Papua    | HIV/AIDS                                      | 70  | 26.1          | (7.3, 74.0)        | 0.006031                 | (0.0016845, 0.0170774) | 26.0          | (7.9, 64.7)        | 0.007545                 | (0.0022953, 0.0188049) |
| Papua    | Lower respiratory infections                  | 70  | 88.0          | (34.6, 175.9)      | 0.020304                 | (0.0079749, 0.0405883) | 100.2         | (39.4, 186.6)      | 0.029113                 | (0.0114567, 0.0541846) |
| Papua    | Malaria                                       | 70  | 36.1          | (8.2, 91.2)        | 0.008336                 | (0.0019016, 0.0210508) | 24.8          | (5.3, 68.3)        | 0.007202                 | (0.0015333, 0.0198397) |
| Papua    | Tuberculosis                                  | 70  | 936.0         | (706.2, 1,262.4)   | 0.215967                 | (0.1629394, 0.2912847) | 737.5         | (546.8, 940.2)     | 0.214195                 | (0.1588067, 0.2730836) |
| Papua    | Other communicable diseases                   | 70  | 49.6          | (19.4, 94.9)       | 0.011433                 | (0.0044764, 0.0218985) | 52.4          | (22.3, 99.5)       | 0.015234                 | (0.0064659, 0.0288861) |
| Papua    | Tracheal, bronchus, and lung cancer           | 70  | 25.3          | (6.2, 68.1)        | 0.005835                 | (0.0014191, 0.0157192) | 7.3           | (1.6, 19.6)        | 0.002122                 | (0.0004713, 0.0056921) |
| Papua    | Breast cancer                                 | 70  | 2.2           | (0.4, 6.9)         | 0.000500                 | (0.0000957, 0.0015990) | 35.2          | (11.9, 70.6)       | 0.010220                 | (0.0034485, 0.0204947) |
| Papua    | Cervical cancer                               | 70  |               |                    |                          |                        | 40.1          | (10.9, 101.5)      | 0.011632                 | (0.0031730, 0.0294889) |
| Papua    | Other malignant neoplasms                     | 70  | 106.0         | (58.5, 175.1)      | 0.024467                 | (0.0135034, 0.0404121) | 66.8          | (28.5, 117.2)      | 0.019391                 | (0.0082843, 0.0340520) |
| Papua    | Cerebrovascular disease                       | 70  | 1,065.6       | (752.1, 1,460.3)   | 0.245877                 | (0.1735350, 0.3369532) | 1,107.1       | (827.3, 1,407.2)   | 0.321537                 | (0.2402902, 0.4087195) |
| Papua    | Ischemic heart disease                        | 70  | 373.5         | (206.3, 614.4)     | 0.086183                 | (0.0475957, 0.1417712) | 302.4         | (170.2, 487.4)     | 0.087824                 | (0.0494400, 0.1415618) |
| Papua    | Other cardiovascular and circulatory diseases | 70  | 241.6         | (116.3, 411.4)     | 0.055746                 | (0.0268423, 0.0949276) | 237.4         | (121.9, 408.7)     | 0.068953                 | (0.0354041, 0.1186917) |
| Papua    | Diabetes mellitus                             | 70  | 139.3         | (71.7, 228.9)      | 0.032146                 | (0.0165399, 0.0528112) | 254.8         | (146.1, 391.1)     | 0.074005                 | (0.0424416, 0.1135879) |
| Papua    | Chronic kidney disease                        | 70  | 52.6          | (29.7, 88.3)       | 0.012145                 | (0.0068430, 0.0203724) | 50.7          | (30.5, 80.5)       | 0.014732                 | (0.0088703, 0.0233871) |
| Papua    | Cirrhosis                                     | 70  | 99.2          | (51.6, 158.5)      | 0.022878                 | (0.0118982, 0.0365730) | 63.1          | (35.0, 94.5)       | 0.018331                 | (0.0101541, 0.0274485) |
| Papua    | Chronic respiratory diseases                  | 70  | 673.3         | (418.8, 996.3)     | 0.155364                 | (0.0966333, 0.2298800) | 417.2         | (254.4, 627.7)     | 0.121178                 | (0.0738751, 0.1823097) |
| Papua    | Other non-communicable diseases               | 70  | 430.6         | (282.4, 617.0)     | 0.099366                 | (0.0651613, 0.1423754) | 413.8         | (284.2, 579.3)     | 0.120188                 | (0.0825409, 0.1682464) |
| Papua    | Drowning                                      | 70  | 12.5          | (3.1, 33.7)        | 0.002880                 | (0.0007259, 0.0077795) | 6.8           | (1.8, 17.6)        | 0.001970                 | (0.0005265, 0.0051100) |
| Papua    | Falls                                         | 70  | 56.2          | (18.0, 116.6)      | 0.012972                 | (0.0041530, 0.0269059) | 33.1          | (11.7, 64.6)       | 0.009606                 | (0.0033962, 0.0187631) |
| Papua    | Interpersonal violence                        | 70  | 5.3           | (1.6, 12.3)        | 0.001217                 | (0.0003802, 0.0028462) | 2.8           | (0.8, 7.0)         | 0.000801                 | (0.0002410, 0.0020296) |
| Papua    | Self-harm                                     | 70  | 8.2           | (2.7, 19.2)        | 0.001891                 | (0.0006228, 0.0044394) | 3.2           | (1.1, 7.2)         | 0.000940                 | (0.0003053, 0.0021013) |
| Papua    | Transport injuries                            | 70  | 69.1          | (30.4, 127.1)      | 0.015949                 | (0.0070223, 0.0293375) | 25.8          | (10.5, 49.8)       | 0.007489                 | (0.0030445, 0.0144670) |

Aim 2 Supplementary Tables

| Location | Cause group                                   | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|----------|-----------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|          |                                               |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Papua    | Other unintentional injuries                  | 70  | 16.4          | (3.6, 45.0)          | 0.003778                 | (0.0008252, 0.0103743) | 6.5           | (1.4, 18.5)          | 0.001891                 | (0.0004161, 0.0053769) |
| Papua    | Diarrheal diseases                            | 75  | 52.3          | (21.9, 91.8)         | 0.025361                 | (0.0106243, 0.0445137) | 73.9          | (37.9, 122.0)        | 0.047967                 | (0.0246031, 0.0791966) |
| Papua    | HIV/AIDS                                      | 75  | 11.3          | (3.1, 31.5)          | 0.005477                 | (0.0014899, 0.0152714) | 11.5          | (3.6, 26.7)          | 0.007466                 | (0.0023153, 0.0173519) |
| Papua    | Lower respiratory infections                  | 75  | 51.5          | (20.5, 101.2)        | 0.024975                 | (0.0099276, 0.0491094) | 62.2          | (25.8, 115.7)        | 0.040395                 | (0.0167832, 0.0751522) |
| Papua    | Malaria                                       | 75  | 20.0          | (4.3, 51.0)          | 0.009713                 | (0.0020768, 0.0247278) | 13.6          | (2.8, 38.4)          | 0.008825                 | (0.0017998, 0.0249330) |
| Papua    | Tuberculosis                                  | 75  | 447.4         | (327.6, 619.6)       | 0.217061                 | (0.1589051, 0.3005672) | 351.4         | (253.0, 455.8)       | 0.228176                 | (0.1642671, 0.2959515) |
| Papua    | Other communicable diseases                   | 75  | 26.1          | (10.3, 53.3)         | 0.012669                 | (0.0050001, 0.0258647) | 29.3          | (12.1, 57.2)         | 0.019055                 | (0.0078275, 0.0371538) |
| Papua    | Tracheal, bronchus, and lung cancer           | 75  | 9.9           | (2.3, 25.4)          | 0.004788                 | (0.0011084, 0.0123452) | 2.9           | (0.6, 8.0)           | 0.001881                 | (0.0004134, 0.0051621) |
| Papua    | Breast cancer                                 | 75  | 0.7           | (0.1, 2.1)           | 0.000325                 | (0.0000593, 0.0010121) | 11.7          | (3.9, 23.2)          | 0.007564                 | (0.0025503, 0.0150315) |
| Papua    | Cervical cancer                               | 75  |               |                      |                          |                        | 13.4          | (3.4, 35.8)          | 0.008674                 | (0.0021997, 0.0232676) |
| Papua    | Other malignant neoplasms                     | 75  | 40.4          | (21.5, 68.2)         | 0.019614                 | (0.0104474, 0.0330742) | 30.0          | (13.2, 52.7)         | 0.019480                 | (0.0085892, 0.0342463) |
| Papua    | Cerebrovascular disease                       | 75  | 536.4         | (378.8, 752.5)       | 0.260228                 | (0.1837354, 0.3650362) | 578.7         | (437.1, 733.9)       | 0.375740                 | (0.2838074, 0.4765159) |
| Papua    | Ischemic heart disease                        | 75  | 203.2         | (110.1, 335.5)       | 0.098554                 | (0.0533902, 0.1627297) | 167.2         | (96.2, 270.0)        | 0.108580                 | (0.0624910, 0.1753178) |
| Papua    | Other cardiovascular and circulatory diseases | 75  | 124.7         | (59.8, 216.8)        | 0.060480                 | (0.0290068, 0.1051760) | 125.1         | (63.8, 213.7)        | 0.081216                 | (0.0414162, 0.1387771) |
| Papua    | Diabetes mellitus                             | 75  | 58.2          | (30.1, 98.3)         | 0.028214                 | (0.0146168, 0.0476776) | 109.2         | (63.0, 168.4)        | 0.070924                 | (0.0408784, 0.1093688) |
| Papua    | Chronic kidney disease                        | 75  | 23.4          | (13.0, 40.2)         | 0.011375                 | (0.0063059, 0.0195053) | 22.7          | (13.7, 36.3)         | 0.014754                 | (0.0088679, 0.0235645) |
| Papua    | Cirrhosis                                     | 75  | 43.5          | (22.2, 70.7)         | 0.021088                 | (0.0107759, 0.0342768) | 29.1          | (16.5, 43.8)         | 0.018873                 | (0.0106981, 0.0284640) |
| Papua    | Chronic respiratory diseases                  | 75  | 346.4         | (216.4, 515.0)       | 0.168022                 | (0.1049966, 0.2498101) | 218.8         | (136.6, 329.5)       | 0.142063                 | (0.0887159, 0.2139170) |
| Papua    | Other non-communicable diseases               | 75  | 247.8         | (160.9, 363.1)       | 0.120215                 | (0.0780390, 0.1761298) | 245.0         | (171.7, 334.6)       | 0.159059                 | (0.114622, 0.2172786)  |
| Papua    | Drowning                                      | 75  | 8.7           | (2.1, 22.9)          | 0.004241                 | (0.0010327, 0.0111164) | 5.1           | (1.4, 13.0)          | 0.003288                 | (0.0008999, 0.0084383) |
| Papua    | Falls                                         | 75  | 33.1          | (10.8, 64.3)         | 0.016056                 | (0.0052298, 0.0312026) | 20.2          | (7.5, 37.5)          | 0.013125                 | (0.0048827, 0.0243750) |
| Papua    | Interpersonal violence                        | 75  | 2.0           | (0.5, 5.6)           | 0.000978                 | (0.0002249, 0.0026956) | 1.0           | (0.2, 2.8)           | 0.000641                 | (0.0001453, 0.0018476) |
| Papua    | Self-harm                                     | 75  | 3.8           | (1.1, 9.3)           | 0.001828                 | (0.0005498, 0.0044926) | 1.4           | (0.4, 3.3)           | 0.000893                 | (0.0002527, 0.0021268) |
| Papua    | Transport injuries                            | 75  | 25.9          | (9.6, 51.5)          | 0.012566                 | (0.0046407, 0.0249917) | 9.7           | (3.5, 20.5)          | 0.006313                 | (0.0022989, 0.0132862) |
| Papua    | Other unintentional injuries                  | 75  | 7.8           | (1.6, 23.4)          | 0.003786                 | (0.0007823, 0.0113701) | 3.1           | (0.6, 9.4)           | 0.001983                 | (0.0004010, 0.0061094) |
| Papua    | Diarrheal diseases                            | 80  | 76.3          | (37.6, 124.4)        | 0.065638                 | (0.0323555, 0.1070577) | 103.1         | (56.2, 164.0)        | 0.093033                 | (0.0507236, 0.1480542) |
| Papua    | HIV/AIDS                                      | 80  | 9.9           | (2.2, 30.2)          | 0.008535                 | (0.0019340, 0.0259648) | 11.8          | (2.6, 35.6)          | 0.010691                 | (0.0023163, 0.0321030) |
| Papua    | Lower respiratory infections                  | 80  | 50.9          | (20.6, 98.5)         | 0.043790                 | (0.0177225, 0.0847768) | 61.9          | (23.8, 118.9)        | 0.055893                 | (0.0214743, 0.1072982) |
| Papua    | Malaria                                       | 80  | 19.9          | (3.7, 55.5)          | 0.017119                 | (0.0031689, 0.0477377) | 17.0          | (3.0, 53.2)          | 0.015383                 | (0.0027348, 0.0479718) |
| Papua    | Tuberculosis                                  | 80  | 364.3         | (273.3, 473.3)       | 0.313504                 | (0.2352109, 0.4072995) | 393.7         | (284.8, 500.2)       | 0.355366                 | (0.2569988, 0.4514585) |
| Papua    | Other communicable diseases                   | 80  | 25.6          | (10.3, 50.8)         | 0.022071                 | (0.0088484, 0.0437549) | 25.2          | (10.2, 48.5)         | 0.022784                 | (0.0092002, 0.0438110) |
| Papua    | Tracheal, bronchus, and lung cancer           | 80  | 5.5           | (1.2, 16.8)          | 0.004773                 | (0.0010570, 0.0144847) | 2.4           | (0.5, 7.1)           | 0.002210                 | (0.0004666, 0.0064329) |
| Papua    | Breast cancer                                 | 80  | 0.3           | (0.1, 1.2)           | 0.000298                 | (0.0000525, 0.0009937) | 9.4           | (3.2, 20.4)          | 0.008482                 | (0.0028553, 0.0184126) |
| Papua    | Cervical cancer                               | 80  |               |                      |                          |                        | 6.2           | (1.3, 19.3)          | 0.005634                 | (0.0011282, 0.0174055) |
| Papua    | Other malignant neoplasms                     | 80  | 24.4          | (12.9, 39.9)         | 0.020965                 | (0.0110800, 0.0343562) | 25.7          | (11.6, 44.0)         | 0.023175                 | (0.0104765, 0.0397318) |
| Papua    | Cerebrovascular disease                       | 80  | 385.0         | (279.8, 506.0)       | 0.331361                 | (0.2408107, 0.4354320) | 541.9         | (410.6, 681.1)       | 0.489066                 | (0.3705636, 0.6146957) |
| Papua    | Ischemic heart disease                        | 80  | 133.3         | (72.5, 212.9)        | 0.114746                 | (0.0624100, 0.1831772) | 171.3         | (96.7, 271.3)        | 0.154646                 | (0.0872630, 0.2448184) |
| Papua    | Other cardiovascular and circulatory diseases | 80  | 85.1          | (42.0, 145.0)        | 0.073206                 | (0.0361816, 0.1248268) | 117.1         | (59.5, 199.4)        | 0.105722                 | (0.0537225, 0.1799350) |
| Papua    | Diabetes mellitus                             | 80  | 33.9          | (18.7, 56.1)         | 0.029131                 | (0.0160947, 0.0482635) | 89.8          | (52.9, 139.0)        | 0.081028                 | (0.0477863, 0.1254558) |
| Papua    | Chronic kidney disease                        | 80  | 14.2          | (7.7, 23.5)          | 0.012234                 | (0.0066516, 0.0202143) | 20.8          | (12.2, 32.8)         | 0.018750                 | (0.0109943, 0.0295950) |
| Papua    | Cirrhosis                                     | 80  | 26.5          | (13.9, 42.1)         | 0.022781                 | (0.0120012, 0.0362491) | 21.3          | (12.2, 32.5)         | 0.019212                 | (0.0109937, 0.0293666) |
| Papua    | Chronic respiratory diseases                  | 80  | 264.0         | (175.0, 371.7)       | 0.227162                 | (0.1506445, 0.3198659) | 215.5         | (130.1, 316.1)       | 0.194474                 | (0.1174136, 0.2852797) |
| Papua    | Other non-communicable diseases               | 80  | 197.1         | (134.4, 272.0)       | 0.169614                 | (0.1156649, 0.2340570) | 259.4         | (184.3, 348.5)       | 0.234119                 | (0.1663700, 0.3145568) |
| Papua    | Drowning                                      | 80  | 5.9           | (1.3, 16.6)          | 0.005044                 | (0.0011550, 0.0142869) | 2.8           | (0.6, 7.7)           | 0.002485                 | (0.0005563, 0.0069216) |
| Papua    | Falls                                         | 80  | 29.4          | (11.2, 54.5)         | 0.025280                 | (0.0096224, 0.0468692) | 17.0          | (7.1, 30.4)          | 0.015357                 | (0.0064390, 0.0274583) |
| Papua    | Interpersonal violence                        | 80  | 1.1           | (0.2, 3.8)           | 0.000982                 | (0.0001523, 0.0032438) | 0.9           | (0.1, 2.9)           | 0.000790                 | (0.0001146, 0.0026389) |
| Papua    | Self-harm                                     | 80  | 2.5           | (0.7, 6.5)           | 0.002191                 | (0.0005939, 0.0056042) | 1.6           | (0.4, 4.3)           | 0.001441                 | (0.0003500, 0.0038775) |
| Papua    | Transport injuries                            | 80  | 15.7          | (5.3, 32.7)          | 0.013500                 | (0.0045307, 0.0281214) | 6.4           | (2.0, 13.6)          | 0.005734                 | (0.0018010, 0.0122877) |
| Papua    | Other unintentional injuries                  | 80  | 5.2           | (1.0, 16.1)          | 0.004480                 | (0.0008418, 0.0138762) | 2.5           | (0.5, 7.8)           | 0.002281                 | (0.0004220, 0.0070783) |
| Papua    | Diarrheal diseases                            | All | 6,750.7       | (2,952.9, 12,126.0)  | 0.004221                 | (0.0018464, 0.0075821) | 7,362.0       | (3,530.1, 12,754.7)  | 0.005178                 | (0.0024827, 0.0089702) |
| Papua    | HIV/AIDS                                      | All | 27,812.6      | (16,557.9, 40,717.8) | 0.017391                 | (0.0103532, 0.0254598) | 20,847.4      | (12,741.4, 30,970.8) | 0.014662                 | (0.0089609, 0.0217813) |
| Papua    | Lower respiratory infections                  | All | 18,346.1      | (10,210.1, 29,705.0) | 0.011471                 | (0.0063841, 0.0185738) | 12,991.7      | (7,466.9, 21,541.2)  | 0.009137                 | (0.0052513, 0.0151496) |

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| Location | Cause group                                              | Age | Males         |                      |                          |                        | Females       |                      |                          |                        |
|----------|----------------------------------------------------------|-----|---------------|----------------------|--------------------------|------------------------|---------------|----------------------|--------------------------|------------------------|
|          |                                                          |     | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        | YLLs (95% UI) |                      | YLLs per capita (95% UI) |                        |
| Papua    | Malaria                                                  | All | 4,083.9       | (959.5, 9,876.3)     | 0.002554                 | (0.0006000, 0.0061754) | 2,762.9       | (619.6, 7,524.7)     | 0.001943                 | (0.0004358, 0.0052920) |
| Papua    | Tuberculosis                                             | All | 48,121.8      | (34,722.6, 65,496.1) | 0.030089                 | (0.0217112, 0.0409531) | 29,657.4      | (19,793.5, 41,110.3) | 0.020858                 | (0.0139205, 0.0289124) |
| Papua    | Maternal disorders                                       | All |               |                      |                          |                        | 9,635.2       | (3,473.4, 18,295.1)  | 0.006776                 | (0.0024428, 0.0128667) |
| Papua    | Neonatal encephalopathy due to birth asphyxia and trauma | All | 12,504.7      | (5,033.7, 22,431.2)  | 0.007819                 | (0.0031475, 0.0140257) | 9,477.9       | (3,833.2, 17,812.0)  | 0.006666                 | (0.0026958, 0.0125269) |
| Papua    | Preterm birth complications                              | All | 3,176.5       | (601.9, 8,495.8)     | 0.001986                 | (0.0003764, 0.0053122) | 3,215.3       | (660.1, 8,196.3)     | 0.002261                 | (0.0004642, 0.0057644) |
| Papua    | Other neonatal disorders                                 | All | 3,922.7       | (466.7, 11,242.9)    | 0.002453                 | (0.0002918, 0.0070299) | 2,776.5       | (325.2, 8,410.0)     | 0.001953                 | (0.0002287, 0.0059146) |
| Papua    | Other communicable diseases                              | All | 24,528.1      | (15,029.9, 36,210.0) | 0.015337                 | (0.0093978, 0.0226412) | 20,008.6      | (12,395.1, 29,307.5) | 0.014072                 | (0.0087173, 0.0206116) |
| Papua    | Tracheal, bronchus, and lung cancer                      | All | 1,035.1       | (255.9, 2,707.9)     | 0.000647                 | (0.0001600, 0.0016932) | 392.0         | (85.0, 1,099.7)      | 0.000276                 | (0.0000598, 0.0007734) |
| Papua    | Breast cancer                                            | All | 130.7         | (34.3, 349.4)        | 0.000082                 | (0.0000214, 0.0002185) | 5,851.7       | (2,133.0, 10,528.7)  | 0.004115                 | (0.0015001, 0.0074047) |
| Papua    | Cervical cancer                                          | All |               |                      |                          |                        | 4,270.0       | (1,139.3, 10,725.4)  | 0.003003                 | (0.0008013, 0.0075430) |
| Papua    | Other malignant neoplasms                                | All | 13,469.3      | (7,742.5, 20,987.9)  | 0.008422                 | (0.0048412, 0.0131232) | 9,505.4       | (4,755.1, 15,619.8)  | 0.006685                 | (0.0033442, 0.0109852) |
| Papua    | Cerebrovascular disease                                  | All | 29,222.9      | (20,169.2, 40,348.2) | 0.018272                 | (0.0126113, 0.0252287) | 26,951.4      | (18,773.4, 37,066.1) | 0.018955                 | (0.0132031, 0.0260681) |
| Papua    | Ischemic heart disease                                   | All | 13,255.3      | (7,225.0, 21,332.6)  | 0.008288                 | (0.0045176, 0.0133387) | 8,445.1       | (4,532.4, 14,050.2)  | 0.005939                 | (0.0031876, 0.0098813) |
| Papua    | Other cardiovascular and circulatory diseases            | All | 6,269.0       | (2,904.9, 10,885.4)  | 0.003920                 | (0.0018164, 0.0068064) | 5,850.0       | (2,941.1, 10,290.4)  | 0.004114                 | (0.0020684, 0.0072371) |
| Papua    | Diabetes mellitus                                        | All | 6,841.2       | (3,550.8, 11,005.8)  | 0.004278                 | (0.0022202, 0.0068816) | 10,816.3      | (6,158.2, 16,365.0)  | 0.007607                 | (0.0043310, 0.0115093) |
| Papua    | Chronic kidney disease                                   | All | 3,563.9       | (1,929.9, 6,079.8)   | 0.002228                 | (0.0012067, 0.0038015) | 3,290.6       | (1,900.6, 5,473.2)   | 0.002314                 | (0.0013367, 0.0038492) |
| Papua    | Cirrhosis                                                | All | 11,353.4      | (6,084.5, 17,570.1)  | 0.007099                 | (0.0038045, 0.0109861) | 6,886.5       | (3,826.9, 10,774.1)  | 0.004843                 | (0.0026914, 0.0075773) |
| Papua    | Chronic respiratory diseases                             | All | 13,057.4      | (7,292.6, 20,787.2)  | 0.008165                 | (0.0045599, 0.0129977) | 7,084.4       | (3,767.7, 11,892.4)  | 0.004982                 | (0.0026498, 0.0083638) |
| Papua    | Other non-communicable diseases                          | All | 25,577.6      | (17,910.2, 35,501.1) | 0.015993                 | (0.0111988, 0.0221980) | 24,311.8      | (17,183.4, 32,949.1) | 0.017098                 | (0.0120849, 0.0231726) |
| Papua    | Drowning                                                 | All | 17,586.5      | (9,232.3, 29,379.0)  | 0.010996                 | (0.0057727, 0.0183699) | 8,910.4       | (4,240.4, 15,999.8)  | 0.006267                 | (0.0029822, 0.0112524) |
| Papua    | Falls                                                    | All | 7,682.5       | (2,169.6, 18,227.3)  | 0.004804                 | (0.0013566, 0.0113970) | 4,815.1       | (1,453.7, 11,100.5)  | 0.003386                 | (0.0010224, 0.0078068) |
| Papua    | Interpersonal violence                                   | All | 3,155.2       | (1,513.3, 6,088.1)   | 0.001973                 | (0.0009462, 0.0038068) | 2,055.0       | (811.4, 4,666.2)     | 0.001445                 | (0.0005706, 0.0032816) |
| Papua    | Self-harm                                                | All | 1,568.7       | (638.6, 3,114.8)     | 0.000981                 | (0.0003993, 0.0019476) | 779.0         | (284.3, 1,651.7)     | 0.000548                 | (0.0001999, 0.0011617) |
| Papua    | Transport injuries                                       | All | 38,894.6      | (25,881.7, 55,668.5) | 0.024320                 | (0.0161832, 0.0348081) | 18,991.5      | (11,945.3, 29,093.7) | 0.013357                 | (0.0084010, 0.0204612) |
| Papua    | Other unintentional injuries                             | All | 5,483.6       | (1,493.6, 13,662.2)  | 0.003429                 | (0.0009339, 0.0085426) | 2,450.9       | (643.1, 6,442.9)     | 0.001724                 | (0.0004523, 0.0045312) |

**Supplementary Table 8. Distribution of data in cause group "Other noncommunicable diseases" by ICD-10 cause of death assignment after garbage code redistribution**

| <b>ICD-10 cause of death grouping</b> | <b>Male deaths (%)</b> | <b>Female deaths (%)</b> |
|---------------------------------------|------------------------|--------------------------|
| Neurological disorders                | 97.7 (4.17)            | 86.2 (4.23)              |
| Congenital defects                    | 175.8 (7.50)           | 131.7 (6.20)             |
| Digestive diseases                    | 1,422.9 (60.70)        | 1,323.2 (61.80)          |
| Endocrine disorders                   | 20.4 (0.87)            | 66.4 (3.10)              |
| Glomerulonephritis                    | 1.1 (0.05)             | 1.1 (0.05)               |
| Gynecological diseases                | -                      | 47.2 (2.20)              |
| Hemoglobinopathies                    | 121.5 (5.20)           | 144.7 (6.80)             |
| Mental disorders                      | 63.5 (2.70)            | 29.6 (1.40)              |
| Musculoskeletal disorders             | 73.6 (3.10)            | 139.5 (6.50)             |
| Sense organ diseases                  | 0.2 (0.01)             | 0.2 (0.01)               |
| Skin diseases                         | 76.1 (3.20)            | 67.4 (3.10)              |
| Urinary diseases                      | 290.1 (12.40)          | 104.1 (4.90)             |



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Supplementary Table 9. Age-standardized cause-specific mortality rates (CSMR) by sex and province for each cause group.

| Cause group        | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|--------------------|---------------------|--------------------------------------------------|---------------------------------|
|                    |                     | Males                                            | Females                         |
| Diarrheal diseases | Indonesia           | 0.000291 (0.0002674, 0.0003139)                  | 0.000312 (0.0002911, 0.0003328) |
| Diarrheal diseases | Aceh                | 0.00027 (0.0001850, 0.0003693)                   | 0.000354 (0.0002612, 0.0004753) |
| Diarrheal diseases | Sumatera Utara      | 0.000414 (0.0003390, 0.0005009)                  | 0.000379 (0.0003125, 0.0004597) |
| Diarrheal diseases | Sumatera Barat      | 0.00028 (0.0002123, 0.0003576)                   | 0.000284 (0.0002207, 0.0003525) |
| Diarrheal diseases | Riau                | 0.0003 (0.0002131, 0.0004122)                    | 0.000349 (0.0002598, 0.0004614) |
| Diarrheal diseases | Jambi               | 0.000334 (0.0002267, 0.0004746)                  | 0.000419 (0.0003031, 0.0005503) |
| Diarrheal diseases | Sumatera Selatan    | 0.000291 (0.0002162, 0.0003818)                  | 0.00033 (0.0002520, 0.0004163)  |
| Diarrheal diseases | Bengkulu            | 0.000359 (0.0002204, 0.0005222)                  | 0.000505 (0.0003377, 0.0007177) |
| Diarrheal diseases | Lampung             | 0.000292 (0.0002073, 0.0004019)                  | 0.00034 (0.0002529, 0.0004368)  |
| Diarrheal diseases | Bangka Belitung     | 0.00028 (0.0001667, 0.0004270)                   | 0.000336 (0.0002158, 0.0004924) |
| Diarrheal diseases | Kepulauan Riau      | 0.000215 (0.0001124, 0.0003674)                  | 0.000329 (0.0001814, 0.0005144) |
| Diarrheal diseases | DKI Jakarta         | 0.000192 (0.0001421, 0.0002551)                  | 0.000219 (0.0001652, 0.0002795) |
| Diarrheal diseases | Jawa Barat          | 0.000195 (0.0001620, 0.0002326)                  | 0.000207 (0.0001714, 0.0002495) |
| Diarrheal diseases | Jawa Tengah         | 0.000328 (0.0002614, 0.0003999)                  | 0.000351 (0.0002949, 0.0004156) |
| Diarrheal diseases | DI Yogyakarta       | 0.000342 (0.0002401, 0.0004704)                  | 0.000359 (0.0002626, 0.0004706) |
| Diarrheal diseases | Jawa Timur          | 0.000289 (0.0002318, 0.0003470)                  | 0.000254 (0.0002117, 0.0002984) |
| Diarrheal diseases | Banten              | 0.000327 (0.0002462, 0.0004198)                  | 0.000359 (0.0002888, 0.0004455) |
| Diarrheal diseases | Bali                | 0.000236 (0.0001724, 0.0003198)                  | 0.000287 (0.0002239, 0.0003629) |
| Diarrheal diseases | Nusa Tenggara Barat | 0.000337 (0.0002513, 0.0004392)                  | 0.000422 (0.0003317, 0.0005379) |
| Diarrheal diseases | Nusa Tenggara Timur | 0.000294 (0.0002239, 0.0003888)                  | 0.000362 (0.0002815, 0.0004538) |
| Diarrheal diseases | Kalimantan Barat    | 0.00025 (0.0001460, 0.0003846)                   | 0.000336 (0.0002138, 0.0004777) |
| Diarrheal diseases | Kalimantan Tengah   | 0.000292 (0.0001746, 0.0004587)                  | 0.000368 (0.0002298, 0.0005437) |
| Diarrheal diseases | Kalimantan Selatan  | 0.000419 (0.0002722, 0.0006050)                  | 0.000489 (0.0003380, 0.0006701) |
| Diarrheal diseases | Kalimantan Timur    | 0.000196 (0.0001194, 0.0002833)                  | 0.000222 (0.0001444, 0.0003150) |
| Diarrheal diseases | Kalimantan Utara    | 0.000204 (0.0000901, 0.0003659)                  | 0.000199 (0.0000924, 0.0003365) |
| Diarrheal diseases | Sulawesi Utara      | 0.000208 (0.0001249, 0.0003071)                  | 0.000242 (0.0001517, 0.0003539) |
| Diarrheal diseases | Sulawesi Tengah     | 0.000445 (0.0002795, 0.0006599)                  | 0.000542 (0.0003595, 0.0007692) |
| Diarrheal diseases | Sulawesi Selatan    | 0.000323 (0.0002488, 0.0004125)                  | 0.00035 (0.0002812, 0.0004330)  |
| Diarrheal diseases | Sulawesi Tenggara   | 0.000335 (0.0001822, 0.0005245)                  | 0.000446 (0.0002492, 0.0006736) |
| Diarrheal diseases | Gorontalo           | 0.000467 (0.0003543, 0.0006038)                  | 0.000794 (0.0006366, 0.0009733) |
| Diarrheal diseases | Sulawesi Barat      | 0.000317 (0.0001906, 0.0004923)                  | 0.000487 (0.0002980, 0.0006920) |
| Diarrheal diseases | Maluku              | 0.000358 (0.0001818, 0.0006124)                  | 0.000511 (0.0002793, 0.0008323) |
| Diarrheal diseases | Maluku Utara        | 0.000239 (0.0001118, 0.0004079)                  | 0.000546 (0.0002702, 0.0008917) |
| Diarrheal diseases | Papua Barat         | 0.000287 (0.0001361, 0.0004779)                  | 0.000497 (0.0002465, 0.0008144) |
| Diarrheal diseases | Papua               | 0.000198 (0.0000977, 0.0003316)                  | 0.000297 (0.0001602, 0.0004757) |
| HIV/AIDS           | Indonesia           | 3.69E-05 (0.0000310, 0.0000441)                  | 2.21E-05 (0.0000179, 0.0000274) |
| HIV/AIDS           | Aceh                | 2.55E-05 (0.0000081, 0.0000633)                  | 0.000019 (0.0000053, 0.0000457) |
| HIV/AIDS           | Sumatera Utara      | 2.25E-05 (0.0000125, 0.0000360)                  | 9.8E-06 (0.0000053, 0.0000164)  |
| HIV/AIDS           | Sumatera Barat      | 1.82E-05 (0.0000088, 0.0000334)                  | 9.6E-06 (0.0000046, 0.0000177)  |
| HIV/AIDS           | Riau                | 1.76E-05 (0.0000062, 0.0000338)                  | 9.7E-06 (0.0000032, 0.0000203)  |
| HIV/AIDS           | Jambi               | 1.28E-05 (0.0000036, 0.0000328)                  | 9.7E-06 (0.0000027, 0.0000254)  |
| HIV/AIDS           | Sumatera Selatan    | 1.18E-05 (0.0000047, 0.0000232)                  | 7.4E-06 (0.0000030, 0.0000152)  |
| HIV/AIDS           | Bengkulu            | 1.17E-05 (0.0000030, 0.0000300)                  | 9.8E-06 (0.0000026, 0.0000253)  |
| HIV/AIDS           | Lampung             | 2.06E-05 (0.0000072, 0.0000508)                  | 1.25E-05 (0.0000042, 0.0000313) |
| HIV/AIDS           | Bangka Belitung     | 2.53E-05 (0.0000056, 0.0000665)                  | 1.45E-05 (0.0000033, 0.0000398) |
| HIV/AIDS           | Kepulauan Riau      | 0.000064 (0.0000210, 0.0001291)                  | 5.27E-05 (0.0000162, 0.0001161) |
| HIV/AIDS           | DKI Jakarta         | 5.12E-05 (0.0000342, 0.0000769)                  | 2.79E-05 (0.0000183, 0.0000414) |
| HIV/AIDS           | Jawa Barat          | 1.48E-05 (0.0000098, 0.0000221)                  | 8.5E-06 (0.0000055, 0.0000134)  |
| HIV/AIDS           | Jawa Tengah         | 2.73E-05 (0.0000183, 0.0000395)                  | 0.000016 (0.0000102, 0.0000242) |
| HIV/AIDS           | DI Yogyakarta       | 2.37E-05 (0.0000060, 0.0000568)                  | 1.61E-05 (0.0000039, 0.0000392) |
| HIV/AIDS           | Jawa Timur          | 6.28E-05 (0.0000470, 0.0000851)                  | 2.82E-05 (0.0000201, 0.0000378) |
| HIV/AIDS           | Banten              | 5.97E-05 (0.0000342, 0.0000947)                  | 3.44E-05 (0.0000196, 0.0000547) |
| HIV/AIDS           | Bali                | 6.87E-05 (0.0000408, 0.0001046)                  | 4.75E-05 (0.0000276, 0.0000744) |
| HIV/AIDS           | Nusa Tenggara Barat | 5.29E-05 (0.0000265, 0.0000911)                  | 3.51E-05 (0.0000172, 0.0000615) |
| HIV/AIDS           | Nusa Tenggara Timur | 3.59E-05 (0.0000162, 0.0000680)                  | 2.42E-05 (0.0000102, 0.0000478) |
| HIV/AIDS           | Kalimantan Barat    | 2.19E-05 (0.0000055, 0.0000625)                  | 1.57E-05 (0.0000037, 0.0000451) |
| HIV/AIDS           | Kalimantan Tengah   | 2.39E-05 (0.0000041, 0.0000685)                  | 0.000017 (0.0000028, 0.0000510) |
| HIV/AIDS           | Kalimantan Selatan  | 1.86E-05 (0.0000040, 0.0000523)                  | 1.21E-05 (0.0000025, 0.0000339) |

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| Cause group                  | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                              |                     | Males                                            | Females                         |
| HIV/AIDS                     | Kalimantan Timur    | 4.05E-05 (0.0000134, 0.0000953)                  | 2.34E-05 (0.0000071, 0.0000556) |
| HIV/AIDS                     | Kalimantan Utara    | 1.89E-05 (0.0000026, 0.0000619)                  | 9.2E-06 (0.0000011, 0.0000309)  |
| HIV/AIDS                     | Sulawesi Utara      | 1.86E-05 (0.0000033, 0.0000543)                  | 1.48E-05 (0.0000026, 0.0000444) |
| HIV/AIDS                     | Sulawesi Tengah     | 3.66E-05 (0.0000112, 0.0000877)                  | 2.63E-05 (0.0000080, 0.0000630) |
| HIV/AIDS                     | Sulawesi Selatan    | 2.21E-05 (0.0000113, 0.0000394)                  | 1.35E-05 (0.0000067, 0.0000240) |
| HIV/AIDS                     | Sulawesi Tenggara   | 0.000044 (0.0000120, 0.0001058)                  | 0.000034 (0.0000091, 0.0000820) |
| HIV/AIDS                     | Gorontalo           | 1.19E-05 (0.0000037, 0.0000262)                  | 1.55E-05 (0.0000046, 0.0000340) |
| HIV/AIDS                     | Sulawesi Barat      | 3.31E-05 (0.0000082, 0.0000863)                  | 3.18E-05 (0.0000080, 0.0000808) |
| HIV/AIDS                     | Maluku              | 5.32E-05 (0.0000108, 0.0001486)                  | 0.000054 (0.0000111, 0.0001534) |
| HIV/AIDS                     | Maluku Utara        | 2.43E-05 (0.0000042, 0.0000715)                  | 4.18E-05 (0.0000075, 0.0001240) |
| HIV/AIDS                     | Papua Barat         | 7.36E-05 (0.0000115, 0.0002105)                  | 9.98E-05 (0.0000148, 0.0002789) |
| HIV/AIDS                     | Papua               | 0.000347 (0.0002038, 0.0005322)                  | 0.000314 (0.0001840, 0.0004870) |
| Lower respiratory infections | Indonesia           | 0.000224 (0.0002037, 0.0002448)                  | 0.000177 (0.0001621, 0.0001936) |
| Lower respiratory infections | Aceh                | 0.000375 (0.0002405, 0.0005397)                  | 0.000353 (0.0002365, 0.0004996) |
| Lower respiratory infections | Sumatera Utara      | 0.000249 (0.0001942, 0.0003165)                  | 0.000171 (0.0001332, 0.0002178) |
| Lower respiratory infections | Sumatera Barat      | 0.000276 (0.0002009, 0.0003621)                  | 0.000199 (0.0001479, 0.0002606) |
| Lower respiratory infections | Riau                | 0.000228 (0.0001539, 0.0003145)                  | 0.000185 (0.0001301, 0.0002561) |
| Lower respiratory infections | Jambi               | 0.00023 (0.0001447, 0.0003278)                   | 0.000214 (0.0001378, 0.0003041) |
| Lower respiratory infections | Sumatera Selatan    | 0.00021 (0.0001514, 0.0002808)                   | 0.000167 (0.0001241, 0.0002248) |
| Lower respiratory infections | Bengkulu            | 0.000205 (0.0001143, 0.0003316)                  | 0.000195 (0.0001088, 0.0003127) |
| Lower respiratory infections | Lampung             | 0.00023 (0.0001490, 0.0003318)                   | 0.000187 (0.0001250, 0.0002706) |
| Lower respiratory infections | Bangka Belitung     | 0.000239 (0.0001358, 0.0003724)                  | 0.000196 (0.0001108, 0.0003137) |
| Lower respiratory infections | Kepulauan Riau      | 0.000149 (0.0000873, 0.0002374)                  | 0.000177 (0.0001002, 0.0002891) |
| Lower respiratory infections | DKI Jakarta         | 0.0002 (0.0001429, 0.0002690)                    | 0.000166 (0.0001244, 0.0002139) |
| Lower respiratory infections | Jawa Barat          | 0.000154 (0.0001199, 0.0001940)                  | 0.000125 (0.0000995, 0.0001547) |
| Lower respiratory infections | Jawa Tengah         | 0.000191 (0.0001412, 0.0002470)                  | 0.000147 (0.0001147, 0.0001865) |
| Lower respiratory infections | DI Yogyakarta       | 0.000147 (0.0000912, 0.0002166)                  | 0.000124 (0.0000786, 0.0001787) |
| Lower respiratory infections | Jawa Timur          | 0.000177 (0.0001386, 0.0002189)                  | 0.000118 (0.0000940, 0.0001442) |
| Lower respiratory infections | Banten              | 0.000253 (0.0001833, 0.0003396)                  | 0.000202 (0.0001512, 0.0002579) |
| Lower respiratory infections | Bali                | 0.000267 (0.0001956, 0.0003581)                  | 0.000234 (0.0001750, 0.0003063) |
| Lower respiratory infections | Nusa Tenggara Barat | 0.000361 (0.0002577, 0.0004820)                  | 0.000305 (0.0002234, 0.0004063) |
| Lower respiratory infections | Nusa Tenggara Timur | 0.000362 (0.0002611, 0.0004786)                  | 0.00031 (0.0002263, 0.0004068)  |
| Lower respiratory infections | Kalimantan Barat    | 0.000262 (0.0001621, 0.0003998)                  | 0.000251 (0.0001516, 0.0003833) |
| Lower respiratory infections | Kalimantan Tengah   | 0.000228 (0.0001157, 0.0003909)                  | 0.000203 (0.0001053, 0.0003371) |
| Lower respiratory infections | Kalimantan Selatan  | 0.00042 (0.0002732, 0.0006144)                   | 0.000359 (0.0002321, 0.0005154) |
| Lower respiratory infections | Kalimantan Timur    | 0.000207 (0.0001209, 0.0003264)                  | 0.000178 (0.0001049, 0.0002686) |
| Lower respiratory infections | Kalimantan Utara    | 9.39E-05 (0.0000322, 0.0001882)                  | 7.42E-05 (0.0000247, 0.0001547) |
| Lower respiratory infections | Sulawesi Utara      | 0.000164 (0.0000949, 0.0002513)                  | 0.000135 (0.0000820, 0.0002064) |
| Lower respiratory infections | Sulawesi Tengah     | 0.000574 (0.0003700, 0.0008640)                  | 0.000495 (0.0003123, 0.0007365) |
| Lower respiratory infections | Sulawesi Selatan    | 0.000357 (0.0002615, 0.0004662)                  | 0.000279 (0.0002144, 0.0003536) |
| Lower respiratory infections | Sulawesi Tenggara   | 0.000296 (0.0001593, 0.0004771)                  | 0.000272 (0.0001424, 0.0004426) |
| Lower respiratory infections | Gorontalo           | 0.000251 (0.0001734, 0.0003441)                  | 0.000268 (0.0001884, 0.0003573) |
| Lower respiratory infections | Sulawesi Barat      | 0.000444 (0.0002789, 0.0006579)                  | 0.000459 (0.0002848, 0.0006811) |
| Lower respiratory infections | Maluku              | 0.000304 (0.0001351, 0.0005664)                  | 0.00031 (0.0001225, 0.0006044)  |
| Lower respiratory infections | Maluku Utara        | 0.000172 (0.0000824, 0.0003146)                  | 0.000277 (0.0001193, 0.0005289) |
| Lower respiratory infections | Papua Barat         | 0.000318 (0.0001719, 0.0005361)                  | 0.000372 (0.0001845, 0.0006694) |
| Lower respiratory infections | Papua               | 0.000295 (0.0001560, 0.0004880)                  | 0.000301 (0.0001577, 0.0005065) |
| Malaria                      | Indonesia           | 1.97E-05 (0.0000148, 0.0000262)                  | 1.26E-05 (0.0000088, 0.0000177) |
| Malaria                      | Aceh                | 1.95E-05 (0.0000026, 0.0000584)                  | 1.33E-05 (0.0000017, 0.0000408) |
| Malaria                      | Sumatera Utara      | 6.39E-05 (0.0000425, 0.0000924)                  | 2.75E-05 (0.0000170, 0.0000419) |
| Malaria                      | Sumatera Barat      | 1.21E-05 (0.0000035, 0.0000280)                  | 6.4E-06 (0.0000017, 0.0000148)  |
| Malaria                      | Riau                | 1.21E-05 (0.0000024, 0.0000341)                  | 0.000007 (0.0000014, 0.0000196) |
| Malaria                      | Jambi               | 5.57E-05 (0.0000202, 0.0001320)                  | 3.71E-05 (0.0000116, 0.0000889) |
| Malaria                      | Sumatera Selatan    | 2.07E-05 (0.0000095, 0.0000393)                  | 1.17E-05 (0.0000052, 0.0000222) |

## Aim 2 Supplementary Tables

| Cause group  | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|--------------|---------------------|--------------------------------------------------|---------------------------------|
|              |                     | Males                                            | Females                         |
| Malaria      | Bengkulu            | 0.00012 (0.0000376, 0.0002780)                   | 9.03E-05 (0.0000269, 0.0002143) |
| Malaria      | Lampung             | 0.000026 (0.0000081, 0.0000640)                  | 1.53E-05 (0.0000048, 0.0000411) |
| Malaria      | Bangka Belitung     | 9.14E-05 (0.0000254, 0.0002161)                  | 5.59E-05 (0.0000136, 0.0001439) |
| Malaria      | Kepulauan Riau      | 4.15E-05 (0.0000017, 0.0001840)                  | 0.000037 (0.0000014, 0.0001863) |
| Malaria      | DKI Jakarta         | 1.9E-06 (0.0000001, 0.0000106)                   | 0.000001 (0.0000000, 0.0000053) |
| Malaria      | Jawa Barat          | 2.2E-06 (0.0000008, 0.0000051)                   | 1.2E-06 (0.0000004, 0.0000028)  |
| Malaria      | Jawa Tengah         | 0.000002 (0.0000006, 0.0000049)                  | 0.000001 (0.0000003, 0.0000027) |
| Malaria      | DI Yogyakarta       | 2.1E-06 (0.0000001, 0.0000094)                   | 1.1E-06 (0.0000001, 0.0000049)  |
| Malaria      | Jawa Timur          | 1.5E-06 (0.0000003, 0.0000045)                   | 6E-07 (0.0000001, 0.0000019)    |
| Malaria      | Banten              | 1.14E-05 (0.0000024, 0.0000327)                  | 5.9E-06 (0.0000011, 0.0000181)  |
| Malaria      | Bali                | 4.1E-06 (0.0000003, 0.0000175)                   | 2.3E-06 (0.0000002, 0.0000105)  |
| Malaria      | Nusa Tenggara Barat | 5.42E-05 (0.0000262, 0.0000981)                  | 3.24E-05 (0.0000155, 0.0000603) |
| Malaria      | Nusa Tenggara Timur | 9.21E-05 (0.0000498, 0.0001461)                  | 6.28E-05 (0.0000324, 0.0001041) |
| Malaria      | Kalimantan Barat    | 4.41E-05 (0.0000073, 0.0001337)                  | 2.94E-05 (0.0000042, 0.0000970) |
| Malaria      | Kalimantan Tengah   | 6.67E-05 (0.0000150, 0.0001874)                  | 4.53E-05 (0.0000099, 0.0001355) |
| Malaria      | Kalimantan Selatan  | 0.000115 (0.0000379, 0.0002654)                  | 0.000068 (0.0000207, 0.0001716) |
| Malaria      | Kalimantan Timur    | 0.000018 (0.0000024, 0.0000623)                  | 9.5E-06 (0.0000012, 0.0000310)  |
| Malaria      | Kalimantan Utara    | 1.08E-05 (0.0000003, 0.0000662)                  | 0.000005 (0.0000001, 0.0000306) |
| Malaria      | Sulawesi Utara      | 2.43E-05 (0.0000036, 0.0000817)                  | 1.86E-05 (0.0000029, 0.0000637) |
| Malaria      | Sulawesi Tengah     | 6.09E-05 (0.0000105, 0.0001755)                  | 4.29E-05 (0.0000072, 0.0001159) |
| Malaria      | Sulawesi Selatan    | 3.21E-05 (0.0000165, 0.0000550)                  | 1.85E-05 (0.0000095, 0.0000329) |
| Malaria      | Sulawesi Tenggara   | 4.05E-05 (0.0000031, 0.0001636)                  | 2.88E-05 (0.0000020, 0.0001170) |
| Malaria      | Gorontalo           | 7.41E-05 (0.0000430, 0.0001170)                  | 0.000101 (0.0000594, 0.0001561) |
| Malaria      | Sulawesi Barat      | 5.37E-05 (0.0000076, 0.0001520)                  | 0.00005 (0.0000067, 0.0001390)  |
| Malaria      | Maluku              | 0.000102 (0.0000069, 0.0003604)                  | 9.84E-05 (0.0000061, 0.0003584) |
| Malaria      | Maluku Utara        | 0.000104 (0.0000200, 0.0003025)                  | 0.000152 (0.0000285, 0.0004469) |
| Malaria      | Papua Barat         | 5.53E-05 (0.0000022, 0.0002676)                  | 7.04E-05 (0.0000028, 0.0003823) |
| Malaria      | Papua               | 9.24E-05 (0.0000223, 0.0002241)                  | 8.01E-05 (0.0000185, 0.0002213) |
| Tuberculosis | Indonesia           | 0.000537 (0.0005007, 0.0005744)                  | 0.00029 (0.0002695, 0.0003114)  |
| Tuberculosis | Aceh                | 0.000566 (0.0003999, 0.0007660)                  | 0.000357 (0.0002470, 0.0004739) |
| Tuberculosis | Sumatera Utara      | 0.000561 (0.0004483, 0.0006845)                  | 0.000231 (0.0001892, 0.0002818) |
| Tuberculosis | Sumatera Barat      | 0.000557 (0.0004388, 0.0006805)                  | 0.000272 (0.0002186, 0.0003268) |
| Tuberculosis | Riau                | 0.000349 (0.0002567, 0.0004916)                  | 0.0002 (0.0001440, 0.0002672)   |
| Tuberculosis | Jambi               | 0.000527 (0.0003557, 0.0007486)                  | 0.000346 (0.0002300, 0.0004829) |
| Tuberculosis | Sumatera Selatan    | 0.000506 (0.0003923, 0.0006536)                  | 0.000269 (0.0002108, 0.0003324) |
| Tuberculosis | Bengkulu            | 0.000457 (0.0002788, 0.0006734)                  | 0.000306 (0.0001779, 0.0004774) |
| Tuberculosis | Lampung             | 0.000413 (0.0002918, 0.0005638)                  | 0.000218 (0.0001492, 0.0002962) |
| Tuberculosis | Bangka Belitung     | 0.000407 (0.0002583, 0.0006178)                  | 0.000231 (0.0001387, 0.0003588) |
| Tuberculosis | Kepulauan Riau      | 0.00034 (0.0002046, 0.0005181)                   | 0.000329 (0.0001977, 0.0004973) |
| Tuberculosis | DKI Jakarta         | 0.000481 (0.0003815, 0.0006441)                  | 0.000266 (0.0002118, 0.0003264) |
| Tuberculosis | Jawa Barat          | 0.000566 (0.0004682, 0.0006686)                  | 0.000335 (0.0002803, 0.0004013) |
| Tuberculosis | Jawa Tengah         | 0.00044 (0.0003598, 0.0005309)                   | 0.00022 (0.0001861, 0.0002591)  |
| Tuberculosis | DI Yogyakarta       | 0.000305 (0.0001899, 0.0004474)                  | 0.000159 (0.0001003, 0.0002350) |
| Tuberculosis | Jawa Timur          | 0.000443 (0.0003601, 0.0005283)                  | 0.000168 (0.0001382, 0.0002015) |
| Tuberculosis | Banten              | 0.000947 (0.0007524, 0.0011629)                  | 0.000488 (0.0003964, 0.0005914) |
| Tuberculosis | Bali                | 0.000256 (0.0001830, 0.0003516)                  | 0.00014 (0.0000996, 0.0001837)  |
| Tuberculosis | Nusa Tenggara Barat | 0.00085 (0.0006641, 0.0010695)                   | 0.000457 (0.0003657, 0.0005569) |
| Tuberculosis | Nusa Tenggara Timur | 0.000901 (0.0007103, 0.0011142)                  | 0.000603 (0.0004782, 0.0007208) |
| Tuberculosis | Kalimantan Barat    | 0.000645 (0.0004380, 0.0009000)                  | 0.000422 (0.0002797, 0.0006009) |
| Tuberculosis | Kalimantan Tengah   | 0.000481 (0.0002984, 0.0007148)                  | 0.000317 (0.0001917, 0.0004782) |
| Tuberculosis | Kalimantan Selatan  | 0.001164 (0.0008658, 0.0015283)                  | 0.000655 (0.0004667, 0.0008686) |
| Tuberculosis | Kalimantan Timur    | 0.000423 (0.0002710, 0.0006065)                  | 0.000219 (0.0001327, 0.0003309) |
| Tuberculosis | Kalimantan Utara    | 0.000185 (0.0000614, 0.0004168)                  | 8.69E-05 (0.0000254, 0.0002081) |
| Tuberculosis | Sulawesi Utara      | 0.000345 (0.0002238, 0.0004865)                  | 0.000271 (0.0001835, 0.0003784) |
| Tuberculosis | Sulawesi Tengah     | 0.0007 (0.0004563, 0.0009931)                    | 0.000478 (0.0002977, 0.0007053) |
| Tuberculosis | Sulawesi Selatan    | 0.000604 (0.0004782, 0.0007616)                  | 0.000329 (0.0002713, 0.0004006) |

Aim 2 Supplementary Tables

| Cause group                                              | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|----------------------------------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                                                          |                     | Males                                            | Females                         |
| Tuberculosis                                             | Sulawesi Tenggara   | 0.000754 (0.0004421, 0.0011377)                  | 0.000487 (0.0002723, 0.0007654) |
| Tuberculosis                                             | Gorontalo           | 0.000853 (0.0006852, 0.0010356)                  | 0.001233 (0.0010245, 0.0014710) |
| Tuberculosis                                             | Sulawesi Barat      | 0.000596 (0.0003861, 0.0008597)                  | 0.000546 (0.0003391, 0.0008010) |
| Tuberculosis                                             | Maluku              | 0.001243 (0.0007660, 0.0017887)                  | 0.001175 (0.0007058, 0.0017262) |
| Tuberculosis                                             | Maluku Utara        | 0.000614 (0.0003254, 0.0009207)                  | 0.00088 (0.0004463, 0.0014229)  |
| Tuberculosis                                             | Papua Barat         | 0.000654 (0.0003622, 0.0010385)                  | 0.000855 (0.0004404, 0.0013314) |
| Tuberculosis                                             | Papua               | 0.001515 (0.0011401, 0.0020258)                  | 0.001411 (0.0010175, 0.0018133) |
| Maternal disorders                                       | Indonesia           |                                                  | 3.55E-05 (0.0000313, 0.0000398) |
| Maternal disorders                                       | Aceh                |                                                  | 6.08E-05 (0.0000411, 0.0000824) |
| Maternal disorders                                       | Sumatera Utara      |                                                  | 3.48E-05 (0.0000267, 0.0000452) |
| Maternal disorders                                       | Sumatera Barat      |                                                  | 2.72E-05 (0.0000191, 0.0000374) |
| Maternal disorders                                       | Riau                |                                                  | 5.67E-05 (0.0000420, 0.0000752) |
| Maternal disorders                                       | Jambi               |                                                  | 0.000039 (0.0000273, 0.0000530) |
| Maternal disorders                                       | Sumatera Selatan    |                                                  | 2.57E-05 (0.0000186, 0.0000338) |
| Maternal disorders                                       | Bengkulu            |                                                  | 5.55E-05 (0.0000341, 0.0000834) |
| Maternal disorders                                       | Lampung             |                                                  | 2.78E-05 (0.0000176, 0.0000424) |
| Maternal disorders                                       | Bangka Belitung     |                                                  | 8.67E-05 (0.0000608, 0.0001217) |
| Maternal disorders                                       | Kepulauan Riau      |                                                  | 0.0001 (0.0000679, 0.0001360)   |
| Maternal disorders                                       | DKI Jakarta         |                                                  | 3.09E-05 (0.0000204, 0.0000445) |
| Maternal disorders                                       | Jawa Barat          |                                                  | 2.65E-05 (0.0000198, 0.0000342) |
| Maternal disorders                                       | Jawa Tengah         |                                                  | 2.85E-05 (0.0000210, 0.0000377) |
| Maternal disorders                                       | DI Yogyakarta       |                                                  | 1.43E-05 (0.0000078, 0.0000239) |
| Maternal disorders                                       | Jawa Timur          |                                                  | 1.98E-05 (0.0000153, 0.0000260) |
| Maternal disorders                                       | Banten              |                                                  | 4.58E-05 (0.0000319, 0.0000631) |
| Maternal disorders                                       | Bali                |                                                  | 2.28E-05 (0.0000136, 0.0000343) |
| Maternal disorders                                       | Nusa Tenggara Barat |                                                  | 6.91E-05 (0.0000478, 0.0000976) |
| Maternal disorders                                       | Nusa Tenggara Timur |                                                  | 0.000057 (0.0000447, 0.0000739) |
| Maternal disorders                                       | Kalimantan Barat    |                                                  | 7.57E-05 (0.0000512, 0.0001044) |
| Maternal disorders                                       | Kalimantan Tengah   |                                                  | 5.72E-05 (0.0000370, 0.0000826) |
| Maternal disorders                                       | Kalimantan Selatan  |                                                  | 4.28E-05 (0.0000229, 0.0000719) |
| Maternal disorders                                       | Kalimantan Timur    |                                                  | 4.51E-05 (0.0000308, 0.0000617) |
| Maternal disorders                                       | Kalimantan Utara    |                                                  | 2.24E-05 (0.0000077, 0.0000471) |
| Maternal disorders                                       | Sulawesi Utara      |                                                  | 2.01E-05 (0.0000108, 0.0000342) |
| Maternal disorders                                       | Sulawesi Tengah     |                                                  | 6.93E-05 (0.0000481, 0.0000974) |
| Maternal disorders                                       | Sulawesi Selatan    |                                                  | 2.48E-05 (0.0000177, 0.0000331) |
| Maternal disorders                                       | Sulawesi Tenggara   |                                                  | 2.98E-05 (0.0000158, 0.0000521) |
| Maternal disorders                                       | Gorontalo           |                                                  | 0.000092 (0.0000630, 0.0001302) |
| Maternal disorders                                       | Sulawesi Barat      |                                                  | 0.000107 (0.0000673, 0.0001531) |
| Maternal disorders                                       | Maluku              |                                                  | 4.54E-05 (0.0000206, 0.0000857) |
| Maternal disorders                                       | Maluku Utara        |                                                  | 5.99E-05 (0.0000253, 0.0001079) |
| Maternal disorders                                       | Papua Barat         |                                                  | 6.96E-05 (0.0000378, 0.0001151) |
| Maternal disorders                                       | Papua               |                                                  | 0.000108 (0.0000392, 0.0002068) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Indonesia           | 0.000101 (0.0000828, 0.0001215)                  | 7.09E-05 (0.0000571, 0.0000879) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Aceh                | 4.65E-05 (0.0000217, 0.0000781)                  | 3.12E-05 (0.0000150, 0.0000554) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sumatera Utara      | 0.000111 (0.0000577, 0.0001771)                  | 8.01E-05 (0.0000424, 0.0001356) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sumatera Barat      | 0.000132 (0.0000658, 0.0002110)                  | 9.24E-05 (0.0000472, 0.0001579) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Riau                | 0.000135 (0.0000669, 0.0002227)                  | 8.84E-05 (0.0000447, 0.0001539) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Jambi               | 6.61E-05 (0.0000280, 0.0001161)                  | 4.98E-05 (0.0000227, 0.0000925) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sumatera Selatan    | 0.000119 (0.0000608, 0.0001914)                  | 7.49E-05 (0.0000387, 0.0001249) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Bengkulu            | 0.000103 (0.0000507, 0.0001693)                  | 6.71E-05 (0.0000319, 0.0001164) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Lampung             | 0.000108 (0.0000510, 0.0001780)                  | 6.98E-05 (0.0000357, 0.0001202) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Bangka Belitung     | 0.000168 (0.0000842, 0.0002800)                  | 0.000107 (0.0000524, 0.0001807) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kepulauan Riau      | 6.15E-05 (0.0000290, 0.0001004)                  | 5.14E-05 (0.0000249, 0.0000875) |
| Neonatal encephalopathy due to birth asphyxia and trauma | DKI Jakarta         | 8.14E-05 (0.0000371, 0.0001412)                  | 5.76E-05 (0.0000262, 0.0001059) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Jawa Barat          | 6.89E-05 (0.0000356, 0.0001092)                  | 5.14E-05 (0.0000265, 0.0000833) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Jawa Tengah         | 0.000127 (0.0000651, 0.0002024)                  | 8.58E-05 (0.0000441, 0.0001452) |

Aim 2 Supplementary Tables

| Cause group                                              | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|----------------------------------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                                                          |                     | Males                                            | Females                         |
| Neonatal encephalopathy due to birth asphyxia and trauma | DI Yogyakarta       | 9.53E-05 (0.0000425, 0.0001699)                  | 0.000074 (0.0000333, 0.0001324) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Jawa Timur          | 6.48E-05 (0.0000327, 0.0001037)                  | 4.55E-05 (0.0000231, 0.0000771) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Banten              | 0.000136 (0.0000687, 0.0002151)                  | 0.000103 (0.0000523, 0.0001802) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Bali                | 0.000118 (0.0000563, 0.0002025)                  | 7.08E-05 (0.0000334, 0.0001260) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Nusa Tenggara Barat | 0.000139 (0.0000657, 0.0002272)                  | 9.48E-05 (0.0000442, 0.0001700) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Nusa Tenggara Timur | 0.000109 (0.0000521, 0.0001819)                  | 7.78E-05 (0.0000372, 0.0001363) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kalimantan Barat    | 8.07E-05 (0.0000379, 0.0001327)                  | 0.000058 (0.0000288, 0.0001005) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kalimantan Tengah   | 9.76E-05 (0.0000423, 0.0001754)                  | 7.48E-05 (0.0000334, 0.0001432) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kalimantan Selatan  | 0.000204 (0.0000995, 0.0003296)                  | 0.000154 (0.0000758, 0.0002707) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kalimantan Timur    | 3.09E-05 (0.0000125, 0.0000569)                  | 0.000021 (0.0000087, 0.0000418) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Kalimantan Utara    | 3.42E-05 (0.0000127, 0.0000682)                  | 2.29E-05 (0.0000088, 0.0000487) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sulawesi Utara      | 8.88E-05 (0.0000371, 0.0001655)                  | 6.03E-05 (0.0000239, 0.0001167) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sulawesi Tengah     | 0.000216 (0.0001043, 0.0003717)                  | 0.000135 (0.0000656, 0.0002367) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sulawesi Selatan    | 0.000132 (0.0000639, 0.0002187)                  | 0.000096 (0.0000464, 0.0001658) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sulawesi Tenggara   | 0.000149 (0.0000708, 0.0002509)                  | 0.000102 (0.0000484, 0.0001788) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Gorontalo           | 9.82E-05 (0.0000463, 0.0001647)                  | 6.89E-05 (0.0000332, 0.0001210) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Sulawesi Barat      | 0.000234 (0.0001081, 0.0004088)                  | 0.000159 (0.0000753, 0.0002834) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Maluku              | 7.52E-05 (0.0000342, 0.0001323)                  | 4.94E-05 (0.0000224, 0.0000890) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Maluku Utara        | 5.86E-05 (0.0000267, 0.0000997)                  | 3.53E-05 (0.0000159, 0.0000632) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Papua Barat         | 0.000137 (0.0000588, 0.0002420)                  | 9.89E-05 (0.0000459, 0.0001855) |
| Neonatal encephalopathy due to birth asphyxia and trauma | Papua               | 0.000126 (0.0000503, 0.0002346)                  | 9.68E-05 (0.0000400, 0.0001831) |
| Preterm birth complications                              | Indonesia           | 0.0001 (0.0000809, 0.0001208)                    | 9.34E-05 (0.0000758, 0.0001134) |
| Preterm birth complications                              | Aceh                | 3.21E-05 (0.0000137, 0.0000602)                  | 2.92E-05 (0.0000135, 0.0000532) |
| Preterm birth complications                              | Sumatera Utara      | 8.52E-05 (0.0000417, 0.0001396)                  | 8.28E-05 (0.0000432, 0.0001376) |
| Preterm birth complications                              | Sumatera Barat      | 0.000121 (0.0000574, 0.0002011)                  | 0.000114 (0.0000571, 0.0001971) |
| Preterm birth complications                              | Riau                | 0.00015 (0.0000737, 0.0002449)                   | 0.000134 (0.0000683, 0.0002214) |
| Preterm birth complications                              | Jambi               | 6.78E-05 (0.0000284, 0.0001249)                  | 6.96E-05 (0.0000319, 0.0001270) |
| Preterm birth complications                              | Sumatera Selatan    | 0.000109 (0.0000536, 0.0001736)                  | 9.46E-05 (0.0000491, 0.0001575) |
| Preterm birth complications                              | Bengkulu            | 9.94E-05 (0.0000435, 0.0001696)                  | 8.71E-05 (0.0000416, 0.0001533) |
| Preterm birth complications                              | Lampung             | 9.64E-05 (0.0000440, 0.0001648)                  | 0.000084 (0.0000418, 0.0001419) |
| Preterm birth complications                              | Bangka Belitung     | 0.000182 (0.0000889, 0.0002951)                  | 0.000157 (0.0000777, 0.0002703) |
| Preterm birth complications                              | Kepulauan Riau      | 8.15E-05 (0.0000384, 0.0001350)                  | 8.93E-05 (0.0000453, 0.0001500) |
| Preterm birth complications                              | DKI Jakarta         | 0.000168 (0.0000835, 0.0002719)                  | 0.000158 (0.0000852, 0.0002580) |
| Preterm birth complications                              | Jawa Barat          | 6.12E-05 (0.0000311, 0.0000969)                  | 6.04E-05 (0.0000326, 0.0000983) |
| Preterm birth complications                              | Jawa Tengah         | 0.000129 (0.0000650, 0.0002048)                  | 0.000117 (0.0000623, 0.0001917) |
| Preterm birth complications                              | DI Yogyakarta       | 0.000102 (0.0000443, 0.0001836)                  | 0.000103 (0.0000485, 0.0001850) |
| Preterm birth complications                              | Jawa Timur          | 0.000108 (0.0000552, 0.0001673)                  | 9.96E-05 (0.0000535, 0.0001594) |
| Preterm birth complications                              | Banten              | 0.000114 (0.0000553, 0.0001869)                  | 0.000114 (0.0000582, 0.0001889) |
| Preterm birth complications                              | Bali                | 0.000202 (0.0001018, 0.0003361)                  | 0.000164 (0.0000838, 0.0002779) |
| Preterm birth complications                              | Nusa Tenggara Barat | 0.00019 (0.0000930, 0.0003238)                   | 0.000173 (0.0000859, 0.0003030) |
| Preterm birth complications                              | Nusa Tenggara Timur | 8.08E-05 (0.0000357, 0.0001424)                  | 7.91E-05 (0.0000366, 0.0001427) |
| Preterm birth complications                              | Kalimantan Barat    | 6.33E-05 (0.0000286, 0.0001108)                  | 6.17E-05 (0.0000294, 0.0001094) |
| Preterm birth complications                              | Kalimantan Tengah   | 7.94E-05 (0.0000317, 0.0001560)                  | 8.24E-05 (0.0000352, 0.0001561) |
| Preterm birth complications                              | Kalimantan Selatan  | 0.000129 (0.0000521, 0.0002226)                  | 0.000129 (0.0000565, 0.0002306) |
| Preterm birth complications                              | Kalimantan Timur    | 5.22E-05 (0.0000225, 0.0000926)                  | 4.85E-05 (0.0000223, 0.0000866) |
| Preterm birth complications                              | Kalimantan Utara    | 0.000103 (0.0000434, 0.0001797)                  | 9.23E-05 (0.0000421, 0.0001627) |
| Preterm birth complications                              | Sulawesi Utara      | 0.000108 (0.0000412, 0.0001992)                  | 9.99E-05 (0.0000406, 0.0001862) |
| Preterm birth complications                              | Sulawesi Tengah     | 0.000142 (0.0000604, 0.0002671)                  | 0.000121 (0.0000552, 0.0002252) |
| Preterm birth complications                              | Sulawesi Selatan    | 8.64E-05 (0.0000397, 0.0001505)                  | 8.48E-05 (0.0000412, 0.0001538) |
| Preterm birth complications                              | Sulawesi Tenggara   | 0.000085 (0.0000334, 0.0001626)                  | 7.91E-05 (0.0000316, 0.0001486) |
| Preterm birth complications                              | Gorontalo           | 6.37E-05 (0.0000268, 0.0001126)                  | 6.17E-05 (0.0000278, 0.0001133) |
| Preterm birth complications                              | Sulawesi Barat      | 7.29E-05 (0.0000260, 0.0001531)                  | 6.69E-05 (0.0000241, 0.0001424) |
| Preterm birth complications                              | Maluku              | 2.23E-05 (0.0000063, 0.0000506)                  | 2.01E-05 (0.0000066, 0.0000464) |
| Preterm birth complications                              | Maluku Utara        | 3.25E-05 (0.0000125, 0.0000609)                  | 2.67E-05 (0.0000117, 0.0000490) |
| Preterm birth complications                              | Papua Barat         | 0.000105 (0.0000402, 0.0002101)                  | 0.000103 (0.0000427, 0.0002000) |
| Preterm birth complications                              | Papua               | 3.36E-05 (0.0000066, 0.0000907)                  | 3.53E-05 (0.0000072, 0.0000897) |



Aim 2 Supplementary Tables

| Cause group                 | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-----------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                             |                     | Males                                            | Females                         |
| Other neonatal disorders    | Indonesia           | 4.23E-05 (0.0000324, 0.0000525)                  | 2.88E-05 (0.0000216, 0.0000377) |
| Other neonatal disorders    | Aceh                | 0.000016 (0.0000043, 0.0000352)                  | 1.05E-05 (0.0000026, 0.0000241) |
| Other neonatal disorders    | Sumatera Utara      | 0.000048 (0.0000207, 0.0000869)                  | 3.33E-05 (0.0000147, 0.0000642) |
| Other neonatal disorders    | Sumatera Barat      | 5.31E-05 (0.0000208, 0.0001040)                  | 3.57E-05 (0.0000135, 0.0000731) |
| Other neonatal disorders    | Riau                | 5.84E-05 (0.0000235, 0.0001168)                  | 3.78E-05 (0.0000143, 0.0000761) |
| Other neonatal disorders    | Jambi               | 3.95E-05 (0.0000126, 0.0000915)                  | 2.92E-05 (0.0000091, 0.0000704) |
| Other neonatal disorders    | Sumatera Selatan    | 4.69E-05 (0.0000183, 0.0000875)                  | 2.92E-05 (0.0000111, 0.0000576) |
| Other neonatal disorders    | Bengkulu            | 4.16E-05 (0.0000139, 0.0000870)                  | 2.67E-05 (0.0000081, 0.0000596) |
| Other neonatal disorders    | Lampung             | 3.31E-05 (0.0000108, 0.0000744)                  | 2.08E-05 (0.0000064, 0.0000478) |
| Other neonatal disorders    | Bangka Belitung     | 5.74E-05 (0.0000144, 0.0001410)                  | 3.52E-05 (0.0000085, 0.0000821) |
| Other neonatal disorders    | Kepulauan Riau      | 2.84E-05 (0.0000083, 0.0000653)                  | 2.27E-05 (0.0000056, 0.0000526) |
| Other neonatal disorders    | DKI Jakarta         | 3.83E-05 (0.0000136, 0.0000818)                  | 2.65E-05 (0.0000091, 0.0000587) |
| Other neonatal disorders    | Jawa Barat          | 1.78E-05 (0.0000079, 0.0000327)                  | 1.25E-05 (0.0000056, 0.0000232) |
| Other neonatal disorders    | Jawa Tengah         | 2.85E-05 (0.0000111, 0.0000541)                  | 1.82E-05 (0.0000077, 0.0000374) |
| Other neonatal disorders    | DI Yogyakarta       | 2.83E-05 (0.0000058, 0.0000744)                  | 2.09E-05 (0.0000040, 0.0000550) |
| Other neonatal disorders    | Jawa Timur          | 1.41E-05 (0.0000054, 0.0000281)                  | 9.5E-06 (0.0000035, 0.0000199)  |
| Other neonatal disorders    | Banten              | 5.41E-05 (0.0000228, 0.0000999)                  | 3.87E-05 (0.0000169, 0.0000755) |
| Other neonatal disorders    | Bali                | 4.52E-05 (0.0000104, 0.0001098)                  | 2.67E-05 (0.0000056, 0.0000688) |
| Other neonatal disorders    | Nusa Tenggara Barat | 6.02E-05 (0.0000208, 0.0001227)                  | 3.91E-05 (0.0000139, 0.0000855) |
| Other neonatal disorders    | Nusa Tenggara Timur | 9.79E-05 (0.0000469, 0.0001696)                  | 0.00007 (0.0000316, 0.0001263)  |
| Other neonatal disorders    | Kalimantan Barat    | 4.03E-05 (0.0000134, 0.0000823)                  | 2.83E-05 (0.0000089, 0.0000607) |
| Other neonatal disorders    | Kalimantan Tengah   | 7.38E-05 (0.0000224, 0.0001510)                  | 0.000056 (0.0000150, 0.0001266) |
| Other neonatal disorders    | Kalimantan Selatan  | 0.000084 (0.0000225, 0.0001862)                  | 5.97E-05 (0.0000169, 0.0001321) |
| Other neonatal disorders    | Kalimantan Timur    | 3.49E-05 (0.0000120, 0.0000711)                  | 2.41E-05 (0.0000086, 0.0000484) |
| Other neonatal disorders    | Kalimantan Utara    | 3.02E-05 (0.0000063, 0.0000798)                  | 2.02E-05 (0.0000035, 0.0000587) |
| Other neonatal disorders    | Sulawesi Utara      | 0.000124 (0.0000413, 0.0002530)                  | 8.73E-05 (0.0000268, 0.0001906) |
| Other neonatal disorders    | Sulawesi Tengah     | 0.000166 (0.0000663, 0.0003081)                  | 0.000105 (0.0000392, 0.0002058) |
| Other neonatal disorders    | Sulawesi Selatan    | 0.000104 (0.0000457, 0.0001820)                  | 7.37E-05 (0.0000336, 0.0001385) |
| Other neonatal disorders    | Sulawesi Tenggara   | 0.000127 (0.0000466, 0.0002476)                  | 8.68E-05 (0.0000311, 0.0001733) |
| Other neonatal disorders    | Gorontalo           | 7.53E-05 (0.0000276, 0.0001477)                  | 5.31E-05 (0.0000186, 0.0001117) |
| Other neonatal disorders    | Sulawesi Barat      | 0.000131 (0.0000483, 0.0002707)                  | 8.62E-05 (0.0000284, 0.0001774) |
| Other neonatal disorders    | Maluku              | 6.66E-05 (0.0000135, 0.0001495)                  | 4.66E-05 (0.0000083, 0.0001120) |
| Other neonatal disorders    | Maluku Utara        | 4.21E-05 (0.0000121, 0.0000846)                  | 2.58E-05 (0.0000071, 0.0000584) |
| Other neonatal disorders    | Papua Barat         | 0.000114 (0.0000291, 0.0002445)                  | 8.22E-05 (0.0000194, 0.0001931) |
| Other neonatal disorders    | Papua               | 4.51E-05 (0.0000054, 0.0001334)                  | 3.38E-05 (0.0000036, 0.0001026) |
| Other communicable diseases | Indonesia           | 0.000318 (0.0002947, 0.0003396)                  | 0.000233 (0.0002149, 0.0002520) |
| Other communicable diseases | Aceh                | 0.00021 (0.0001359, 0.0003001)                   | 0.000181 (0.0001155, 0.0002557) |
| Other communicable diseases | Sumatera Utara      | 0.000318 (0.0002530, 0.0003914)                  | 0.000193 (0.0001481, 0.0002468) |
| Other communicable diseases | Sumatera Barat      | 0.000452 (0.0003591, 0.0005618)                  | 0.000314 (0.0002455, 0.0003930) |
| Other communicable diseases | Riau                | 0.000319 (0.0002286, 0.0004263)                  | 0.00025 (0.0001707, 0.0003494)  |
| Other communicable diseases | Jambi               | 0.000268 (0.0001759, 0.0003765)                  | 0.00023 (0.0001505, 0.0003243)  |
| Other communicable diseases | Sumatera Selatan    | 0.000289 (0.0002177, 0.0003722)                  | 0.00022 (0.0001637, 0.0002886)  |
| Other communicable diseases | Bengkulu            | 0.000308 (0.0001804, 0.0004544)                  | 0.000302 (0.0001687, 0.0004496) |
| Other communicable diseases | Lampung             | 0.000288 (0.0002030, 0.0003875)                  | 0.000222 (0.0001558, 0.0002993) |
| Other communicable diseases | Bangka Belitung     | 0.000334 (0.0001998, 0.0004797)                  | 0.000264 (0.0001558, 0.0004043) |
| Other communicable diseases | Kepulauan Riau      | 0.000302 (0.0001595, 0.0004599)                  | 0.000315 (0.0001648, 0.0005029) |
| Other communicable diseases | DKI Jakarta         | 0.00026 (0.0001929, 0.0003437)                   | 0.000192 (0.0001385, 0.0002578) |
| Other communicable diseases | Jawa Barat          | 0.000268 (0.0002228, 0.0003172)                  | 0.00019 (0.0001559, 0.0002286)  |
| Other communicable diseases | Jawa Tengah         | 0.00032 (0.0002589, 0.0003859)                   | 0.000233 (0.0001886, 0.0002906) |
| Other communicable diseases | DI Yogyakarta       | 0.000201 (0.0001341, 0.0002765)                  | 0.000149 (0.0000985, 0.0002134) |
| Other communicable diseases | Jawa Timur          | 0.00031 (0.0002514, 0.0003727)                   | 0.000187 (0.0001534, 0.0002264) |
| Other communicable diseases | Banten              | 0.000425 (0.0003327, 0.0005327)                  | 0.000314 (0.0002437, 0.0003928) |
| Other communicable diseases | Bali                | 0.000267 (0.0002036, 0.0003506)                  | 0.000237 (0.0001792, 0.0003095) |
| Other communicable diseases | Nusa Tenggara Barat | 0.000404 (0.0003010, 0.0005297)                  | 0.000358 (0.0002610, 0.0004644) |
| Other communicable diseases | Nusa Tenggara Timur | 0.000363 (0.0002775, 0.0004676)                  | 0.000296 (0.0002233, 0.0003896) |
| Other communicable diseases | Kalimantan Barat    | 0.000331 (0.0002144, 0.0004773)                  | 0.000307 (0.0001950, 0.0004498) |

Aim 2 Supplementary Tables

| Cause group                         | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-------------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                                     |                     | Males                                            | Females                         |
| Other communicable diseases         | Kalimantan Tengah   | 0.000381 (0.0002441, 0.0005559)                  | 0.000324 (0.0002037, 0.0004919) |
| Other communicable diseases         | Kalimantan Selatan  | 0.000423 (0.0002815, 0.0005993)                  | 0.000339 (0.0002211, 0.0004865) |
| Other communicable diseases         | Kalimantan Timur    | 0.000237 (0.0001556, 0.0003449)                  | 0.000186 (0.0001217, 0.0002664) |
| Other communicable diseases         | Kalimantan Utara    | 0.000312 (0.0001612, 0.0005103)                  | 0.000214 (0.0001110, 0.0003597) |
| Other communicable diseases         | Sulawesi Utara      | 0.000237 (0.0001496, 0.0003367)                  | 0.000185 (0.0001113, 0.0002748) |
| Other communicable diseases         | Sulawesi Tengah     | 0.000466 (0.0002958, 0.0006793)                  | 0.000384 (0.0002336, 0.0005841) |
| Other communicable diseases         | Sulawesi Selatan    | 0.000433 (0.0003371, 0.0005368)                  | 0.000324 (0.0002508, 0.0004129) |
| Other communicable diseases         | Sulawesi Tenggara   | 0.000307 (0.0001706, 0.0004786)                  | 0.000276 (0.0001471, 0.0004517) |
| Other communicable diseases         | Gorontalo           | 0.000313 (0.0002374, 0.0004083)                  | 0.000338 (0.0002506, 0.0004417) |
| Other communicable diseases         | Sulawesi Barat      | 0.000429 (0.0002761, 0.0006353)                  | 0.00045 (0.0002859, 0.0006687)  |
| Other communicable diseases         | Maluku              | 0.000324 (0.0001734, 0.0005591)                  | 0.000315 (0.0001615, 0.0005411) |
| Other communicable diseases         | Maluku Utara        | 0.000192 (0.0000869, 0.0003264)                  | 0.000315 (0.0001336, 0.0005445) |
| Other communicable diseases         | Papua Barat         | 0.000344 (0.0001805, 0.0005351)                  | 0.000419 (0.0002135, 0.0007037) |
| Other communicable diseases         | Papua               | 0.000329 (0.0001910, 0.0004865)                  | 0.000345 (0.0001946, 0.0005208) |
| Tracheal, bronchus, and lung cancer | Indonesia           | 6.59E-05 (0.0000576, 0.0000754)                  | 1.95E-05 (0.0000160, 0.0000238) |
| Tracheal, bronchus, and lung cancer | Aceh                | 7.66E-05 (0.0000335, 0.0001451)                  | 2.73E-05 (0.0000117, 0.0000561) |
| Tracheal, bronchus, and lung cancer | Sumatera Utara      | 6.71E-05 (0.0000447, 0.0000952)                  | 1.54E-05 (0.0000102, 0.0000231) |
| Tracheal, bronchus, and lung cancer | Sumatera Barat      | 5.19E-05 (0.0000287, 0.0000872)                  | 1.42E-05 (0.0000078, 0.0000246) |
| Tracheal, bronchus, and lung cancer | Riau                | 9.69E-05 (0.0000529, 0.0001619)                  | 3.35E-05 (0.0000170, 0.0000578) |
| Tracheal, bronchus, and lung cancer | Jambi               | 6.75E-05 (0.0000263, 0.0001343)                  | 2.67E-05 (0.0000100, 0.0000533) |
| Tracheal, bronchus, and lung cancer | Sumatera Selatan    | 0.000053 (0.0000312, 0.0000858)                  | 1.42E-05 (0.0000083, 0.0000232) |
| Tracheal, bronchus, and lung cancer | Bengkulu            | 0.000133 (0.0000557, 0.0002578)                  | 5.88E-05 (0.0000222, 0.0001240) |
| Tracheal, bronchus, and lung cancer | Lampung             | 7.07E-05 (0.0000315, 0.0001412)                  | 2.28E-05 (0.0000099, 0.0000457) |
| Tracheal, bronchus, and lung cancer | Bangka Belitung     | 6.55E-05 (0.0000214, 0.0001356)                  | 2.44E-05 (0.0000076, 0.0000554) |
| Tracheal, bronchus, and lung cancer | Kepulauan Riau      | 0.00014 (0.0000692, 0.0002429)                   | 8.32E-05 (0.0000370, 0.0001543) |
| Tracheal, bronchus, and lung cancer | DKI Jakarta         | 0.000111 (0.0000749, 0.0001643)                  | 3.17E-05 (0.0000208, 0.0000461) |
| Tracheal, bronchus, and lung cancer | Jawa Barat          | 3.49E-05 (0.0000252, 0.0000472)                  | 1.06E-05 (0.0000069, 0.0000153) |
| Tracheal, bronchus, and lung cancer | Jawa Tengah         | 4.41E-05 (0.0000312, 0.0000592)                  | 1.35E-05 (0.0000096, 0.0000185) |
| Tracheal, bronchus, and lung cancer | DI Yogyakarta       | 0.000132 (0.0000653, 0.0002394)                  | 0.000047 (0.0000213, 0.0000918) |
| Tracheal, bronchus, and lung cancer | Jawa Timur          | 8.68E-05 (0.0000637, 0.0001130)                  | 1.91E-05 (0.0000139, 0.0000257) |
| Tracheal, bronchus, and lung cancer | Banten              | 9.67E-05 (0.0000570, 0.0001505)                  | 2.62E-05 (0.0000151, 0.0000458) |
| Tracheal, bronchus, and lung cancer | Bali                | 0.000127 (0.0000839, 0.0001887)                  | 4.56E-05 (0.0000293, 0.0000704) |
| Tracheal, bronchus, and lung cancer | Nusa Tenggara Barat | 4.25E-05 (0.0000212, 0.0000745)                  | 1.27E-05 (0.0000061, 0.0000234) |
| Tracheal, bronchus, and lung cancer | Nusa Tenggara Timur | 3.93E-05 (0.0000158, 0.0000796)                  | 1.35E-05 (0.0000053, 0.0000270) |
| Tracheal, bronchus, and lung cancer | Kalimantan Barat    | 8.81E-05 (0.0000369, 0.0001774)                  | 0.000035 (0.0000139, 0.0000765) |
| Tracheal, bronchus, and lung cancer | Kalimantan Tengah   | 6.99E-05 (0.0000243, 0.0001540)                  | 2.43E-05 (0.0000075, 0.0000569) |
| Tracheal, bronchus, and lung cancer | Kalimantan Selatan  | 0.000075 (0.0000293, 0.0001700)                  | 2.18E-05 (0.0000079, 0.0000514) |
| Tracheal, bronchus, and lung cancer | Kalimantan Timur    | 0.000125 (0.0000583, 0.0002376)                  | 3.91E-05 (0.0000177, 0.0000793) |
| Tracheal, bronchus, and lung cancer | Kalimantan Utara    | 0.000121 (0.0000303, 0.0002740)                  | 3.59E-05 (0.0000072, 0.0000958) |
| Tracheal, bronchus, and lung cancer | Sulawesi Utara      | 6.75E-05 (0.0000266, 0.0001359)                  | 0.000028 (0.0000100, 0.0000603) |
| Tracheal, bronchus, and lung cancer | Sulawesi Tengah     | 4.76E-05 (0.0000160, 0.0001069)                  | 1.86E-05 (0.0000060, 0.0000433) |
| Tracheal, bronchus, and lung cancer | Sulawesi Selatan    | 7.45E-05 (0.0000463, 0.0001134)                  | 0.000022 (0.0000132, 0.0000335) |
| Tracheal, bronchus, and lung cancer | Sulawesi Tenggara   | 5.22E-05 (0.0000160, 0.0001188)                  | 1.78E-05 (0.0000052, 0.0000430) |
| Tracheal, bronchus, and lung cancer | Gorontalo           | 1.44E-05 (0.0000055, 0.0000296)                  | 1.15E-05 (0.0000043, 0.0000237) |
| Tracheal, bronchus, and lung cancer | Sulawesi Barat      | 3.08E-05 (0.0000095, 0.0000672)                  | 1.75E-05 (0.0000052, 0.0000400) |
| Tracheal, bronchus, and lung cancer | Maluku              | 3.09E-05 (0.0000077, 0.0000891)                  | 1.41E-05 (0.0000033, 0.0000414) |
| Tracheal, bronchus, and lung cancer | Maluku Utara        | 2.77E-05 (0.0000069, 0.0000739)                  | 2.27E-05 (0.0000058, 0.0000579) |
| Tracheal, bronchus, and lung cancer | Papua Barat         | 4.11E-05 (0.0000102, 0.0001102)                  | 2.85E-05 (0.0000064, 0.0000737) |
| Tracheal, bronchus, and lung cancer | Papua               | 4.59E-05 (0.0000115, 0.0001178)                  | 1.86E-05 (0.0000043, 0.0000490) |
| Breast cancer                       | Indonesia           | 0.000003 (0.0000018, 0.0000048)                  | 0.000122 (0.0001112, 0.0001332) |
| Breast cancer                       | Aceh                | 2.5E-06 (0.0000009, 0.0000057)                   | 0.000153 (0.0000832, 0.0002463) |
| Breast cancer                       | Sumatera Utara      | 3.4E-06 (0.0000018, 0.0000059)                   | 9.53E-05 (0.0000707, 0.0001260) |
| Breast cancer                       | Sumatera Barat      | 4.7E-06 (0.0000023, 0.0000085)                   | 0.00019 (0.0001409, 0.0002485)  |
| Breast cancer                       | Riau                | 2.5E-06 (0.0000010, 0.0000053)                   | 0.000126 (0.0000797, 0.0001897) |
| Breast cancer                       | Jambi               | 2.2E-06 (0.0000007, 0.0000049)                   | 0.000112 (0.0000497, 0.0002021) |
| Breast cancer                       | Sumatera Selatan    | 2.5E-06 (0.0000012, 0.0000047)                   | 0.000115 (0.0000828, 0.0001550) |

Aim 2 Supplementary Tables

| Cause group     | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-----------------|---------------------|--------------------------------------------------|---------------------------------|
|                 |                     | Males                                            | Females                         |
| Breast cancer   | Bengkulu            | 2.5E-06 (0.0000008, 0.0000061)                   | 0.000189 (0.0000964, 0.0003355) |
| Breast cancer   | Lampung             | 1.3E-06 (0.0000004, 0.0000031)                   | 8.49E-05 (0.0000397, 0.0001382) |
| Breast cancer   | Bangka Belitung     | 2.4E-06 (0.0000007, 0.0000056)                   | 0.000122 (0.0000556, 0.0002010) |
| Breast cancer   | Kepulauan Riau      | 2.2E-06 (0.0000006, 0.0000051)                   | 0.000132 (0.0000567, 0.0002318) |
| Breast cancer   | DKI Jakarta         | 4.4E-06 (0.0000022, 0.0000077)                   | 0.000129 (0.0000935, 0.0001701) |
| Breast cancer   | Jawa Barat          | 2.2E-06 (0.0000011, 0.0000040)                   | 6.25E-05 (0.0000478, 0.0000800) |
| Breast cancer   | Jawa Tengah         | 2.7E-06 (0.0000014, 0.0000046)                   | 0.000116 (0.0000918, 0.0001444) |
| Breast cancer   | DI Yogyakarta       | 0.000003 (0.0000011, 0.0000064)                  | 0.00014 (0.0000780, 0.0002251)  |
| Breast cancer   | Jawa Timur          | 0.000003 (0.0000016, 0.0000051)                  | 0.000107 (0.0000848, 0.0001364) |
| Breast cancer   | Banten              | 3.8E-06 (0.0000018, 0.0000074)                   | 0.000169 (0.0001163, 0.0002377) |
| Breast cancer   | Bali                | 3.5E-06 (0.0000016, 0.0000068)                   | 0.000129 (0.0000837, 0.0001882) |
| Breast cancer   | Nusa Tenggara Barat | 3.1E-06 (0.0000014, 0.0000058)                   | 0.000195 (0.0001357, 0.0002707) |
| Breast cancer   | Nusa Tenggara Timur | 3.9E-06 (0.0000018, 0.0000077)                   | 0.000187 (0.0001253, 0.0002690) |
| Breast cancer   | Kalimantan Barat    | 2.1E-06 (0.0000007, 0.0000047)                   | 0.000123 (0.0000555, 0.0002263) |
| Breast cancer   | Kalimantan Tengah   | 2.8E-06 (0.0000008, 0.0000067)                   | 0.00014 (0.0000659, 0.0002448)  |
| Breast cancer   | Kalimantan Selatan  | 3.7E-06 (0.0000011, 0.0000091)                   | 0.000149 (0.0000651, 0.0002637) |
| Breast cancer   | Kalimantan Timur    | 0.000006 (0.0000023, 0.0000134)                  | 0.000199 (0.0001162, 0.0003030) |
| Breast cancer   | Kalimantan Utara    | 2.2E-06 (0.0000004, 0.0000063)                   | 5.39E-05 (0.0000170, 0.0001199) |
| Breast cancer   | Sulawesi Utara      | 8.2E-06 (0.0000030, 0.0000183)                   | 0.000326 (0.0001993, 0.0004860) |
| Breast cancer   | Sulawesi Tengah     | 4.2E-06 (0.0000013, 0.0000102)                   | 0.000198 (0.0000961, 0.0003437) |
| Breast cancer   | Sulawesi Selatan    | 3.9E-06 (0.0000020, 0.0000071)                   | 0.000159 (0.0001180, 0.0002075) |
| Breast cancer   | Sulawesi Tenggara   | 3.9E-06 (0.0000009, 0.0000105)                   | 0.000169 (0.0000684, 0.0003223) |
| Breast cancer   | Gorontalo           | 1.4E-06 (0.0000006, 0.0000028)                   | 0.000229 (0.0001545, 0.0003174) |
| Breast cancer   | Sulawesi Barat      | 3.5E-06 (0.0000011, 0.0000080)                   | 0.000234 (0.0001146, 0.0004026) |
| Breast cancer   | Maluku              | 5.4E-06 (0.0000012, 0.0000148)                   | 0.000329 (0.0001185, 0.0006206) |
| Breast cancer   | Maluku Utara        | 3.7E-06 (0.0000010, 0.0000100)                   | 0.000335 (0.0001460, 0.0006025) |
| Breast cancer   | Papua Barat         | 4.1E-06 (0.0000011, 0.0000112)                   | 0.000309 (0.0001166, 0.0005825) |
| Breast cancer   | Papua               | 4.5E-06 (0.0000012, 0.0000109)                   | 0.000173 (0.0000652, 0.0003183) |
| Cervical cancer | Indonesia           |                                                  | 7.78E-05 (0.0000688, 0.0000867) |
| Cervical cancer | Aceh                |                                                  | 0.000109 (0.0000452, 0.0002011) |
| Cervical cancer | Sumatera Utara      |                                                  | 5.84E-05 (0.0000402, 0.0000820) |
| Cervical cancer | Sumatera Barat      |                                                  | 4.83E-05 (0.0000262, 0.0000811) |
| Cervical cancer | Riau                |                                                  | 6.96E-05 (0.0000322, 0.0001202) |
| Cervical cancer | Jambi               |                                                  | 9.95E-05 (0.0000418, 0.0001858) |
| Cervical cancer | Sumatera Selatan    |                                                  | 5.78E-05 (0.0000348, 0.0000861) |
| Cervical cancer | Bengkulu            |                                                  | 9.76E-05 (0.0000265, 0.0002161) |
| Cervical cancer | Lampung             |                                                  | 4.45E-05 (0.0000149, 0.0000919) |
| Cervical cancer | Bangka Belitung     |                                                  | 9.15E-05 (0.0000328, 0.0001807) |
| Cervical cancer | Kepulauan Riau      |                                                  | 0.000118 (0.0000420, 0.0002367) |
| Cervical cancer | DKI Jakarta         |                                                  | 5.07E-05 (0.0000330, 0.0000741) |
| Cervical cancer | Jawa Barat          |                                                  | 4.49E-05 (0.0000327, 0.0000593) |
| Cervical cancer | Jawa Tengah         |                                                  | 8.18E-05 (0.0000631, 0.0001063) |
| Cervical cancer | DI Yogyakarta       |                                                  | 0.000089 (0.0000365, 0.0001777) |
| Cervical cancer | Jawa Timur          |                                                  | 8.35E-05 (0.0000645, 0.0001059) |
| Cervical cancer | Banten              |                                                  | 6.56E-05 (0.0000344, 0.0001139) |
| Cervical cancer | Bali                |                                                  | 0.000171 (0.0001155, 0.0002428) |
| Cervical cancer | Nusa Tenggara Barat |                                                  | 0.000066 (0.0000291, 0.0001173) |
| Cervical cancer | Nusa Tenggara Timur |                                                  | 0.000151 (0.0000900, 0.0002406) |
| Cervical cancer | Kalimantan Barat    |                                                  | 9.89E-05 (0.0000364, 0.0002012) |
| Cervical cancer | Kalimantan Tengah   |                                                  | 7.39E-05 (0.0000201, 0.0001584) |
| Cervical cancer | Kalimantan Selatan  |                                                  | 0.000115 (0.0000486, 0.0002319) |
| Cervical cancer | Kalimantan Timur    |                                                  | 0.000171 (0.0000882, 0.0002753) |
| Cervical cancer | Kalimantan Utara    |                                                  | 7.03E-05 (0.0000137, 0.0001682) |
| Cervical cancer | Sulawesi Utara      |                                                  | 0.000197 (0.0000923, 0.0003447) |
| Cervical cancer | Sulawesi Tengah     |                                                  | 0.000107 (0.0000380, 0.0002143) |
| Cervical cancer | Sulawesi Selatan    |                                                  | 4.98E-05 (0.0000292, 0.0000763) |



Aim 2 Supplementary Tables

| Cause group               | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|---------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                           |                     | Males                                            | Females                         |
| Cervical cancer           | Sulawesi Tenggara   |                                                  | 0.000105 [0.0000281, 0.0002624] |
| Cervical cancer           | Gorontalo           |                                                  | 0.000109 [0.0000625, 0.0001738] |
| Cervical cancer           | Sulawesi Barat      |                                                  | 0.000193 [0.0000734, 0.0003965] |
| Cervical cancer           | Maluku              |                                                  | 0.000165 [0.0000407, 0.0004545] |
| Cervical cancer           | Maluku Utara        |                                                  | 0.000124 [0.0000280, 0.0003268] |
| Cervical cancer           | Papua Barat         |                                                  | 0.000188 [0.0000479, 0.0004504] |
| Cervical cancer           | Papua               |                                                  | 0.000153 [0.0000476, 0.0003509] |
| Other malignant neoplasms | Indonesia           | 0.000262 [0.0002424, 0.0002846]                  | 0.000174 [0.0001602, 0.0001882] |
| Other malignant neoplasms | Aceh                | 0.000175 [0.0001087, 0.0002623]                  | 0.000155 [0.0000891, 0.0002460] |
| Other malignant neoplasms | Sumatera Utara      | 0.000212 [0.0001680, 0.0002614]                  | 0.000102 [0.0000786, 0.0001293] |
| Other malignant neoplasms | Sumatera Barat      | 0.000307 [0.0002416, 0.0003880]                  | 0.000189 [0.0001424, 0.0002429] |
| Other malignant neoplasms | Riau                | 0.000191 [0.0001365, 0.0002701]                  | 0.000158 [0.0001065, 0.0002241] |
| Other malignant neoplasms | Jambi               | 0.000197 [0.0001226, 0.0003041]                  | 0.000162 [0.0000923, 0.0002662] |
| Other malignant neoplasms | Sumatera Selatan    | 0.000213 [0.0001639, 0.0002778]                  | 0.000151 [0.0001149, 0.0001924] |
| Other malignant neoplasms | Bengkulu            | 0.000211 [0.0001282, 0.0003351]                  | 0.00021 [0.0001139, 0.0003504]  |
| Other malignant neoplasms | Lampung             | 0.000141 [0.0000903, 0.0002094]                  | 0.000123 [0.0000743, 0.0001933] |
| Other malignant neoplasms | Bangka Belitung     | 0.000244 [0.0001464, 0.0003765]                  | 0.000198 [0.0001110, 0.0003189] |
| Other malignant neoplasms | Kepulauan Riau      | 0.000164 [0.0000922, 0.0002673]                  | 0.000176 [0.0000873, 0.0002923] |
| Other malignant neoplasms | DKI Jakarta         | 0.000261 [0.0002023, 0.0003588]                  | 0.000145 [0.0001111, 0.0001840] |
| Other malignant neoplasms | Jawa Barat          | 0.00018 [0.0001469, 0.0002176]                   | 0.000108 [0.0000867, 0.0001315] |
| Other malignant neoplasms | Jawa Tengah         | 0.000261 [0.0002128, 0.0003200]                  | 0.000181 [0.0001479, 0.0002151] |
| Other malignant neoplasms | DI Yogyakarta       | 0.000313 [0.0002135, 0.0004423]                  | 0.000238 [0.0001534, 0.0003470] |
| Other malignant neoplasms | Jawa Timur          | 0.000329 [0.0002684, 0.0004010]                  | 0.000171 [0.0001413, 0.0002093] |
| Other malignant neoplasms | Banten              | 0.000268 [0.0002021, 0.0003546]                  | 0.000181 [0.0001329, 0.0002450] |
| Other malignant neoplasms | Bali                | 0.000421 [0.0003217, 0.0005434]                  | 0.00029 [0.0002182, 0.0003681]  |
| Other malignant neoplasms | Nusa Tenggara Barat | 0.000302 [0.0002289, 0.0003954]                  | 0.000275 [0.0002036, 0.0003529] |
| Other malignant neoplasms | Nusa Tenggara Timur | 0.00049 [0.0003734, 0.0006302]                   | 0.000429 [0.0003208, 0.0005466] |
| Other malignant neoplasms | Kalimantan Barat    | 0.000223 [0.0001310, 0.0003467]                  | 0.000213 [0.0001183, 0.0003375] |
| Other malignant neoplasms | Kalimantan Tengah   | 0.000205 [0.0001118, 0.0003255]                  | 0.000131 [0.0000586, 0.0002465] |
| Other malignant neoplasms | Kalimantan Selatan  | 0.000387 [0.0002405, 0.0005655]                  | 0.00025 [0.0001505, 0.0004020]  |
| Other malignant neoplasms | Kalimantan Timur    | 0.000428 [0.0002980, 0.0005931]                  | 0.000226 [0.0001348, 0.0003436] |
| Other malignant neoplasms | Kalimantan Utara    | 0.000212 [0.0000995, 0.0004035]                  | 7.08E-05 [0.0000225, 0.0001639] |
| Other malignant neoplasms | Sulawesi Utara      | 0.000486 [0.0003356, 0.0006703]                  | 0.000271 [0.0001673, 0.0004066] |
| Other malignant neoplasms | Sulawesi Tengah     | 0.00027 [0.0001583, 0.0004269]                   | 0.000204 [0.0001045, 0.0003449] |
| Other malignant neoplasms | Sulawesi Selatan    | 0.000266 [0.0002052, 0.0003408]                  | 0.000184 [0.0001415, 0.0002308] |
| Other malignant neoplasms | Sulawesi Tenggara   | 0.000227 [0.0001103, 0.0004040]                  | 0.000188 [0.0000831, 0.0003517] |
| Other malignant neoplasms | Gorontalo           | 0.00012 [0.0000882, 0.0001583]                   | 0.000212 [0.0001463, 0.0002906] |
| Other malignant neoplasms | Sulawesi Barat      | 0.00026 [0.0001546, 0.0004084]                   | 0.000325 [0.0001834, 0.0005239] |
| Other malignant neoplasms | Maluku              | 0.00033 [0.0001623, 0.0006066]                   | 0.000322 [0.0001268, 0.0005884] |
| Other malignant neoplasms | Maluku Utara        | 0.000214 [0.0001038, 0.0003840]                  | 0.000345 [0.0001438, 0.0006403] |
| Other malignant neoplasms | Papua Barat         | 0.000277 [0.0001236, 0.0004825]                  | 0.000347 [0.0001418, 0.0006401] |
| Other malignant neoplasms | Papua               | 0.000305 [0.0001760, 0.0004847]                  | 0.00023 [0.0001083, 0.0003938]  |
| Cerebrovascular disease   | Indonesia           | 0.001152 [0.0010633, 0.0012388]                  | 0.001062 [0.0010011, 0.0011243] |
| Cerebrovascular disease   | Aceh                | 0.001579 [0.0011823, 0.0020200]                  | 0.001827 [0.0015010, 0.0022094] |
| Cerebrovascular disease   | Sumatera Utara      | 0.001399 [0.0011410, 0.0016641]                  | 0.001073 [0.0008897, 0.0012588] |
| Cerebrovascular disease   | Sumatera Barat      | 0.001034 [0.0008280, 0.0012537]                  | 0.000872 [0.0007392, 0.0010369] |
| Cerebrovascular disease   | Riau                | 0.001113 [0.0008630, 0.0015003]                  | 0.001277 [0.0010501, 0.0015452] |
| Cerebrovascular disease   | Jambi               | 0.00129 [0.0009561, 0.0016881]                   | 0.001503 [0.0012193, 0.0018092] |
| Cerebrovascular disease   | Sumatera Selatan    | 0.001024 [0.0007985, 0.0012977]                  | 0.000959 [0.0007763, 0.0011309] |
| Cerebrovascular disease   | Bengkulu            | 0.001615 [0.0012256, 0.0020461]                  | 0.002008 [0.0015895, 0.0024755] |
| Cerebrovascular disease   | Lampung             | 0.001292 [0.0009969, 0.0016844]                  | 0.001253 [0.0010183, 0.0015148] |
| Cerebrovascular disease   | Bangka Belitung     | 0.001539 [0.0011703, 0.0019752]                  | 0.001659 [0.0013190, 0.0020776] |
| Cerebrovascular disease   | Kepulauan Riau      | 0.001009 [0.0007577, 0.0013729]                  | 0.001768 [0.0013765, 0.0022173] |
| Cerebrovascular disease   | DKI Jakarta         | 0.000783 [0.0006132, 0.0010339]                  | 0.00078 [0.0006351, 0.0009191]  |
| Cerebrovascular disease   | Jawa Barat          | 0.000846 [0.0006969, 0.0010026]                  | 0.000795 [0.0006736, 0.0009549] |
| Cerebrovascular disease   | Jawa Tengah         | 0.001281 [0.0010281, 0.0015410]                  | 0.001176 [0.0010071, 0.0013495] |

Aim 2 Supplementary Tables

| Cause group             | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                         |                     | Males                                            | Females                         |
| Cerebrovascular disease | DI Yogyakarta       | 0.001198 (0.0009148, 0.0015017)                  | 0.001196 (0.0009918, 0.0014485) |
| Cerebrovascular disease | Jawa Timur          | 0.00126 (0.0009926, 0.0014881)                   | 0.000892 (0.0007482, 0.0010484) |
| Cerebrovascular disease | Banten              | 0.001344 (0.0011019, 0.0016492)                  | 0.001223 (0.0010406, 0.0014274) |
| Cerebrovascular disease | Bali                | 0.000876 (0.0006860, 0.0011394)                  | 0.001008 (0.0008538, 0.0011663) |
| Cerebrovascular disease | Nusa Tenggara Barat | 0.001327 (0.0010370, 0.0016363)                  | 0.001347 (0.0011337, 0.0015795) |
| Cerebrovascular disease | Nusa Tenggara Timur | 0.000903 (0.0007121, 0.0011466)                  | 0.001019 (0.0008380, 0.0012160) |
| Cerebrovascular disease | Kalimantan Barat    | 0.001071 (0.0007572, 0.0014441)                  | 0.001306 (0.0009936, 0.0016262) |
| Cerebrovascular disease | Kalimantan Tengah   | 0.001163 (0.0008177, 0.0015646)                  | 0.001252 (0.0009752, 0.0015581) |
| Cerebrovascular disease | Kalimantan Selatan  | 0.001332 (0.0010181, 0.0017208)                  | 0.001225 (0.0009801, 0.0015281) |
| Cerebrovascular disease | Kalimantan Timur    | 0.001552 (0.0012067, 0.0019493)                  | 0.001539 (0.0012695, 0.0019269) |
| Cerebrovascular disease | Kalimantan Utara    | 0.000999 (0.0006431, 0.0014074)                  | 0.000777 (0.0005277, 0.0010840) |
| Cerebrovascular disease | Sulawesi Utara      | 0.001428 (0.0010695, 0.0018051)                  | 0.001482 (0.0011990, 0.0017766) |
| Cerebrovascular disease | Sulawesi Tengah     | 0.001195 (0.0008820, 0.0015759)                  | 0.001393 (0.0011128, 0.0017678) |
| Cerebrovascular disease | Sulawesi Selatan    | 0.000795 (0.0006087, 0.0009954)                  | 0.000791 (0.0006702, 0.0009336) |
| Cerebrovascular disease | Sulawesi Tenggara   | 0.001297 (0.0009306, 0.0017610)                  | 0.001527 (0.0011575, 0.0019439) |
| Cerebrovascular disease | Gorontalo           | 0.000969 (0.0007642, 0.0011890)                  | 0.00202 (0.0016985, 0.0023688)  |
| Cerebrovascular disease | Sulawesi Barat      | 0.001219 (0.0008870, 0.0015899)                  | 0.002015 (0.0015742, 0.0024917) |
| Cerebrovascular disease | Maluku              | 0.001095 (0.0007221, 0.0015675)                  | 0.001502 (0.0010220, 0.0020330) |
| Cerebrovascular disease | Maluku Utara        | 0.001086 (0.0007469, 0.0014853)                  | 0.002471 (0.0017969, 0.0032297) |
| Cerebrovascular disease | Papua Barat         | 0.00098 (0.0006589, 0.0013296)                   | 0.001987 (0.0014351, 0.0026565) |
| Cerebrovascular disease | Papua               | 0.001502 (0.0010572, 0.0020286)                  | 0.001948 (0.0014474, 0.0025246) |
| Ischemic heart disease  | Indonesia           | 0.000992 (0.0009186, 0.0010624)                  | 0.000591 (0.0005551, 0.0006299) |
| Ischemic heart disease  | Aceh                | 0.001069 (0.0007856, 0.0014021)                  | 0.000745 (0.0005616, 0.0009533) |
| Ischemic heart disease  | Sumatera Utara      | 0.001232 (0.0009991, 0.0014839)                  | 0.000605 (0.0004981, 0.0007214) |
| Ischemic heart disease  | Sumatera Barat      | 0.00109 (0.0008744, 0.0013146)                   | 0.000602 (0.0005055, 0.0007042) |
| Ischemic heart disease  | Riau                | 0.001002 (0.0007672, 0.0013607)                  | 0.000638 (0.0004865, 0.0008151) |
| Ischemic heart disease  | Jambi               | 0.000729 (0.0005074, 0.0010015)                  | 0.000544 (0.0003824, 0.0007418) |
| Ischemic heart disease  | Sumatera Selatan    | 0.001354 (0.0010531, 0.0017214)                  | 0.000825 (0.0006711, 0.0009755) |
| Ischemic heart disease  | Bengkulu            | 0.001015 (0.0007130, 0.0013685)                  | 0.000771 (0.0005396, 0.0010424) |
| Ischemic heart disease  | Lampung             | 0.000689 (0.0004945, 0.0009282)                  | 0.000439 (0.0003136, 0.0005748) |
| Ischemic heart disease  | Bangka Belitung     | 0.001239 (0.0009139, 0.0016005)                  | 0.000918 (0.0006746, 0.0011938) |
| Ischemic heart disease  | Kepulauan Riau      | 0.000856 (0.0006118, 0.0011598)                  | 0.000984 (0.0006930, 0.0013273) |
| Ischemic heart disease  | DKI Jakarta         | 0.001159 (0.0009277, 0.0015776)                  | 0.000736 (0.0005888, 0.0008798) |
| Ischemic heart disease  | Jawa Barat          | 0.000935 (0.0007696, 0.0011067)                  | 0.00066 (0.0005531, 0.0007937)  |
| Ischemic heart disease  | Jawa Tengah         | 0.00087 (0.0006994, 0.0010495)                   | 0.000501 (0.0004254, 0.0005784) |
| Ischemic heart disease  | DI Yogyakarta       | 0.000757 (0.0005378, 0.0010026)                  | 0.000445 (0.0003249, 0.0005960) |
| Ischemic heart disease  | Jawa Timur          | 0.001056 (0.0008398, 0.0012591)                  | 0.000462 (0.0003860, 0.0005486) |
| Ischemic heart disease  | Banten              | 0.001418 (0.0011553, 0.0017267)                  | 0.000801 (0.0006698, 0.0009536) |
| Ischemic heart disease  | Bali                | 0.000897 (0.0007060, 0.0011614)                  | 0.00064 (0.0005179, 0.0007614)  |
| Ischemic heart disease  | Nusa Tenggara Barat | 0.001017 (0.0007865, 0.0012798)                  | 0.000572 (0.0004739, 0.0006949) |
| Ischemic heart disease  | Nusa Tenggara Timur | 0.000763 (0.0005959, 0.0009544)                  | 0.00057 (0.0004455, 0.0007036)  |
| Ischemic heart disease  | Kalimantan Barat    | 0.000917 (0.0006499, 0.0012339)                  | 0.000698 (0.0004993, 0.0009231) |
| Ischemic heart disease  | Kalimantan Tengah   | 0.001125 (0.0007703, 0.0015855)                  | 0.000807 (0.0005745, 0.0011095) |
| Ischemic heart disease  | Kalimantan Selatan  | 0.00107 (0.0007753, 0.0014466)                   | 0.000625 (0.0004474, 0.0008326) |
| Ischemic heart disease  | Kalimantan Timur    | 0.001503 (0.0011550, 0.0019156)                  | 0.000899 (0.0007021, 0.0011528) |
| Ischemic heart disease  | Kalimantan Utara    | 0.000733 (0.0004196, 0.0011024)                  | 0.000397 (0.0002153, 0.0006372) |
| Ischemic heart disease  | Sulawesi Utara      | 0.000891 (0.0006437, 0.0011616)                  | 0.000692 (0.0005193, 0.0009037) |
| Ischemic heart disease  | Sulawesi Tengah     | 0.000967 (0.0006808, 0.0012896)                  | 0.000744 (0.0005195, 0.0010149) |
| Ischemic heart disease  | Sulawesi Selatan    | 0.001064 (0.0008201, 0.0013408)                  | 0.000688 (0.0005713, 0.0008105) |
| Ischemic heart disease  | Sulawesi Tenggara   | 0.000963 (0.0006234, 0.0013826)                  | 0.000668 (0.0004113, 0.0010018) |
| Ischemic heart disease  | Gorontalo           | 0.000575 (0.0004445, 0.0007217)                  | 0.000841 (0.0006787, 0.0010203) |
| Ischemic heart disease  | Sulawesi Barat      | 0.000745 (0.0005245, 0.0010510)                  | 0.000784 (0.0005497, 0.0010956) |
| Ischemic heart disease  | Maluku              | 0.000939 (0.0005951, 0.0014050)                  | 0.000848 (0.0005097, 0.0012639) |
| Ischemic heart disease  | Maluku Utara        | 0.000664 (0.0003902, 0.0009970)                  | 0.001051 (0.0006351, 0.0016190) |
| Ischemic heart disease  | Papua Barat         | 0.000711 (0.0004397, 0.0010544)                  | 0.000914 (0.0005368, 0.0013881) |
| Ischemic heart disease  | Papua               | 0.000597 (0.0003287, 0.0009551)                  | 0.000576 (0.0003247, 0.0009148) |

Aim 2 Supplementary Tables

| Cause group                                   | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-----------------------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                                               |                     | Males                                            | Females                         |
| Other cardiovascular and circulatory diseases | Indonesia           | 0.000266 (0.0002420, 0.0002905)                  | 0.000258 (0.0002405, 0.0002781) |
| Other cardiovascular and circulatory diseases | Aceh                | 0.000208 (0.0001177, 0.0003292)                  | 0.000269 (0.0001592, 0.0004236) |
| Other cardiovascular and circulatory diseases | Sumatera Utara      | 0.000238 (0.0001882, 0.0003071)                  | 0.000189 (0.0001482, 0.0002374) |
| Other cardiovascular and circulatory diseases | Sumatera Barat      | 0.00039 (0.0002980, 0.0004921)                   | 0.000328 (0.0002592, 0.0004103) |
| Other cardiovascular and circulatory diseases | Riau                | 0.000209 (0.0001345, 0.0003160)                  | 0.000265 (0.0001825, 0.0003761) |
| Other cardiovascular and circulatory diseases | Jambi               | 0.000334 (0.0001937, 0.0005152)                  | 0.000402 (0.0002511, 0.0005820) |
| Other cardiovascular and circulatory diseases | Sumatera Selatan    | 0.00044 (0.0003362, 0.0005677)                   | 0.000418 (0.0003324, 0.0005069) |
| Other cardiovascular and circulatory diseases | Bengkulu            | 0.00029 (0.0001599, 0.0004668)                   | 0.000395 (0.0002288, 0.0006197) |
| Other cardiovascular and circulatory diseases | Lampung             | 0.000268 (0.0001647, 0.0004102)                  | 0.000281 (0.0001858, 0.0004015) |
| Other cardiovascular and circulatory diseases | Bangka Belitung     | 0.000373 (0.0002155, 0.0005990)                  | 0.000405 (0.0002451, 0.0006284) |
| Other cardiovascular and circulatory diseases | Kepulauan Riau      | 0.000205 (0.0001136, 0.0003453)                  | 0.000375 (0.0002151, 0.0006156) |
| Other cardiovascular and circulatory diseases | DKI Jakarta         | 0.000177 (0.0001298, 0.0002506)                  | 0.000158 (0.0001191, 0.0002040) |
| Other cardiovascular and circulatory diseases | Jawa Barat          | 0.000243 (0.0001966, 0.0002926)                  | 0.000221 (0.0001831, 0.0002699) |
| Other cardiovascular and circulatory diseases | Jawa Tengah         | 0.000283 (0.0002218, 0.0003476)                  | 0.000283 (0.0002353, 0.0003329) |
| Other cardiovascular and circulatory diseases | DI Yogyakarta       | 0.000354 (0.0002429, 0.0005030)                  | 0.000376 (0.0002725, 0.0005165) |
| Other cardiovascular and circulatory diseases | Jawa Timur          | 0.000233 (0.0001802, 0.0002845)                  | 0.000176 (0.0001445, 0.0002135) |
| Other cardiovascular and circulatory diseases | Banten              | 0.000362 (0.0002709, 0.0004705)                  | 0.00035 (0.0002779, 0.0004351)  |
| Other cardiovascular and circulatory diseases | Bali                | 0.000168 (0.0001180, 0.0002401)                  | 0.000219 (0.0001630, 0.0002928) |
| Other cardiovascular and circulatory diseases | Nusa Tenggara Barat | 0.000252 (0.0001789, 0.0003447)                  | 0.00028 (0.0002157, 0.0003593)  |
| Other cardiovascular and circulatory diseases | Nusa Tenggara Timur | 0.000142 (0.0000943, 0.0002223)                  | 0.000178 (0.0001200, 0.0002615) |
| Other cardiovascular and circulatory diseases | Kalimantan Barat    | 0.000336 (0.0001936, 0.0005591)                  | 0.000428 (0.0002572, 0.0006770) |
| Other cardiovascular and circulatory diseases | Kalimantan Tengah   | 0.00025 (0.0001285, 0.0004299)                   | 0.000282 (0.0001484, 0.0004637) |
| Other cardiovascular and circulatory diseases | Kalimantan Selatan  | 0.000555 (0.0003571, 0.0008283)                  | 0.00054 (0.0003680, 0.0007716)  |
| Other cardiovascular and circulatory diseases | Kalimantan Timur    | 0.000476 (0.0003177, 0.0006964)                  | 0.000454 (0.0003045, 0.0006550) |
| Other cardiovascular and circulatory diseases | Kalimantan Utara    | 0.000132 (0.0000395, 0.0002836)                  | 9.68E-05 (0.0000286, 0.0002205) |
| Other cardiovascular and circulatory diseases | Sulawesi Utara      | 0.000283 (0.0001750, 0.0004262)                  | 0.000319 (0.0002078, 0.0004769) |
| Other cardiovascular and circulatory diseases | Sulawesi Tengah     | 0.000319 (0.0001695, 0.0005306)                  | 0.000402 (0.0002296, 0.0006456) |
| Other cardiovascular and circulatory diseases | Sulawesi Selatan    | 0.000168 (0.0001180, 0.0002301)                  | 0.000188 (0.0001428, 0.0002430) |
| Other cardiovascular and circulatory diseases | Sulawesi Tenggara   | 0.000264 (0.0001249, 0.0004886)                  | 0.000322 (0.0001577, 0.0005606) |
| Other cardiovascular and circulatory diseases | Gorontalo           | 0.000103 (0.0000693, 0.0001494)                  | 0.000259 (0.0001827, 0.0003541) |
| Other cardiovascular and circulatory diseases | Sulawesi Barat      | 0.000258 (0.0001358, 0.0004267)                  | 0.000468 (0.0002545, 0.0007734) |
| Other cardiovascular and circulatory diseases | Maluku              | 0.000426 (0.0001901, 0.0008409)                  | 0.0006 (0.0002708, 0.0011018)   |
| Other cardiovascular and circulatory diseases | Maluku Utara        | 0.000234 (0.0000966, 0.0004475)                  | 0.00053 (0.0002197, 0.0010353)  |
| Other cardiovascular and circulatory diseases | Papua Barat         | 0.000263 (0.0001152, 0.0005271)                  | 0.00054 (0.0002310, 0.0010380)  |
| Other cardiovascular and circulatory diseases | Papua               | 0.000317 (0.0001502, 0.0005362)                  | 0.000402 (0.0002049, 0.0006925) |
| Diabetes mellitus                             | Indonesia           | 0.000326 (0.0003008, 0.0003542)                  | 0.000374 (0.0003518, 0.0004009) |
| Diabetes mellitus                             | Aceh                | 0.000284 (0.0001942, 0.0003972)                  | 0.000487 (0.0003551, 0.0006570) |
| Diabetes mellitus                             | Sumatera Utara      | 0.000662 (0.0005370, 0.0008013)                  | 0.000551 (0.0004508, 0.0006687) |
| Diabetes mellitus                             | Sumatera Barat      | 0.000338 (0.0002581, 0.0004307)                  | 0.000374 (0.0002956, 0.0004692) |
| Diabetes mellitus                             | Riau                | 0.000305 (0.0002103, 0.0004213)                  | 0.000337 (0.0002354, 0.0004569) |
| Diabetes mellitus                             | Jambi               | 0.000257 (0.0001724, 0.0003656)                  | 0.000369 (0.0002565, 0.0004960) |
| Diabetes mellitus                             | Sumatera Selatan    | 0.000308 (0.0002295, 0.0004030)                  | 0.000347 (0.0002725, 0.0004256) |
| Diabetes mellitus                             | Bengkulu            | 0.000352 (0.0002396, 0.0005055)                  | 0.000691 (0.0004743, 0.0009695) |
| Diabetes mellitus                             | Lampung             | 0.000242 (0.0001698, 0.0003475)                  | 0.000376 (0.0002777, 0.0004975) |
| Diabetes mellitus                             | Bangka Belitung     | 0.000461 (0.0003316, 0.0006295)                  | 0.000652 (0.0004769, 0.0008749) |
| Diabetes mellitus                             | Kepulauan Riau      | 0.000326 (0.0002207, 0.0004565)                  | 0.000589 (0.0004080, 0.0008046) |
| Diabetes mellitus                             | DKI Jakarta         | 0.000491 (0.0003803, 0.0006535)                  | 0.000524 (0.0004130, 0.0006369) |
| Diabetes mellitus                             | Jawa Barat          | 0.000236 (0.0001897, 0.0002875)                  | 0.000296 (0.0002442, 0.0003603) |
| Diabetes mellitus                             | Jawa Tengah         | 0.000257 (0.0002031, 0.0003176)                  | 0.000278 (0.0002319, 0.0003315) |
| Diabetes mellitus                             | DI Yogyakarta       | 0.000276 (0.0001886, 0.0003769)                  | 0.000305 (0.0002196, 0.0004152) |
| Diabetes mellitus                             | Jawa Timur          | 0.000367 (0.0002885, 0.0004426)                  | 0.000329 (0.0002732, 0.0003952) |
| Diabetes mellitus                             | Banten              | 0.000442 (0.0003397, 0.0005672)                  | 0.000468 (0.0003734, 0.0005704) |
| Diabetes mellitus                             | Bali                | 0.0003 (0.0002256, 0.0004082)                    | 0.000314 (0.0002403, 0.0003985) |
| Diabetes mellitus                             | Nusa Tenggara Barat | 0.000329 (0.0002458, 0.0004317)                  | 0.000457 (0.0003522, 0.0005773) |
| Diabetes mellitus                             | Nusa Tenggara Timur | 0.000225 (0.0001602, 0.0003068)                  | 0.000293 (0.0002097, 0.0003889) |
| Diabetes mellitus                             | Kalimantan Barat    | 0.000206 (0.0001314, 0.0002978)                  | 0.000303 (0.0001941, 0.0004205) |

Aim 2 Supplementary Tables

| Cause group            | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                        |                     | Males                                            | Females                         |
| Diabetes mellitus      | Kalimantan Tengah   | 0.000306 (0.0001901, 0.0004348)                  | 0.000857 (0.0005561, 0.0012145) |
| Diabetes mellitus      | Kalimantan Selatan  | 0.000441 (0.0002978, 0.0006138)                  | 0.000601 (0.0004166, 0.0008029) |
| Diabetes mellitus      | Kalimantan Timur    | 0.000705 (0.0005104, 0.0009512)                  | 0.000855 (0.0006393, 0.0011189) |
| Diabetes mellitus      | Kalimantan Utara    | 0.000242 (0.0001325, 0.0003981)                  | 0.000583 (0.0003292, 0.0009287) |
| Diabetes mellitus      | Sulawesi Utara      | 0.000411 (0.0002887, 0.0005596)                  | 0.000781 (0.0005741, 0.0010302) |
| Diabetes mellitus      | Sulawesi Tengah     | 0.000378 (0.0002634, 0.0005171)                  | 0.000603 (0.0004369, 0.0008258) |
| Diabetes mellitus      | Sulawesi Selatan    | 0.000267 (0.0001977, 0.0003529)                  | 0.000332 (0.0002628, 0.0004123) |
| Diabetes mellitus      | Sulawesi Tenggara   | 0.000582 (0.0003530, 0.0008567)                  | 0.000685 (0.0004662, 0.0009699) |
| Diabetes mellitus      | Gorontalo           | 0.000168 (0.0001247, 0.0002214)                  | 0.000632 (0.0004980, 0.0008116) |
| Diabetes mellitus      | Sulawesi Barat      | 0.000353 (0.0002348, 0.0005049)                  | 0.000573 (0.0004126, 0.0008003) |
| Diabetes mellitus      | Maluku              | 0.000328 (0.0001912, 0.0005298)                  | 0.000653 (0.0003841, 0.0010201) |
| Diabetes mellitus      | Maluku Utara        | 0.000241 (0.0001398, 0.0004001)                  | 0.000714 (0.0004184, 0.0011448) |
| Diabetes mellitus      | Papua Barat         | 0.000317 (0.0001882, 0.0004945)                  | 0.000959 (0.0005650, 0.0014638) |
| Diabetes mellitus      | Papua               | 0.000277 (0.0001471, 0.0004443)                  | 0.000615 (0.0003618, 0.0009124) |
| Chronic kidney disease | Indonesia           | 0.000167 (0.0001519, 0.0001840)                  | 0.000123 (0.0001128, 0.0001348) |
| Chronic kidney disease | Aceh                | 0.000202 (0.0001380, 0.0002769)                  | 0.0002 (0.0001410, 0.0002773)   |
| Chronic kidney disease | Sumatera Utara      | 0.000181 (0.0001385, 0.0002295)                  | 0.000111 (0.0000857, 0.0001403) |
| Chronic kidney disease | Sumatera Barat      | 0.000179 (0.0001346, 0.0002378)                  | 0.000138 (0.0001051, 0.0001812) |
| Chronic kidney disease | Riau                | 0.000175 (0.0001213, 0.0002580)                  | 0.000145 (0.0000874, 0.0002197) |
| Chronic kidney disease | Jambi               | 0.000168 (0.0001117, 0.0002442)                  | 0.000158 (0.0001110, 0.0002174) |
| Chronic kidney disease | Sumatera Selatan    | 0.000145 (0.0001037, 0.0001968)                  | 0.000115 (0.0000848, 0.0001463) |
| Chronic kidney disease | Bengkulu            | 0.000254 (0.0001655, 0.0003737)                  | 0.000255 (0.0001659, 0.0003533) |
| Chronic kidney disease | Lampung             | 0.000141 (0.0000985, 0.0002018)                  | 0.000124 (0.0000843, 0.0001703) |
| Chronic kidney disease | Bangka Belitung     | 0.000232 (0.0001583, 0.0003347)                  | 0.000212 (0.0001439, 0.0002955) |
| Chronic kidney disease | Kepulauan Riau      | 0.000165 (0.0001065, 0.0002478)                  | 0.00022 (0.0001355, 0.0003353)  |
| Chronic kidney disease | DKI Jakarta         | 0.000146 (0.0001034, 0.0002057)                  | 0.000113 (0.0000815, 0.0001504) |
| Chronic kidney disease | Jawa Barat          | 0.000118 (0.0000945, 0.0001473)                  | 9.34E-05 (0.0000752, 0.0001168) |
| Chronic kidney disease | Jawa Tengah         | 0.000203 (0.0001629, 0.0002502)                  | 0.000141 (0.0001160, 0.0001705) |
| Chronic kidney disease | DI Yogyakarta       | 0.000208 (0.0001447, 0.0002906)                  | 0.000141 (0.0000966, 0.0002036) |
| Chronic kidney disease | Jawa Timur          | 0.000164 (0.0001281, 0.0001995)                  | 9.04E-05 (0.0000727, 0.0001133) |
| Chronic kidney disease | Banten              | 0.000189 (0.0001374, 0.0002468)                  | 0.000136 (0.0001014, 0.0001771) |
| Chronic kidney disease | Bali                | 0.000165 (0.0001179, 0.0002309)                  | 0.00011 (0.0000752, 0.0001559)  |
| Chronic kidney disease | Nusa Tenggara Barat | 0.000157 (0.0001117, 0.0002114)                  | 0.000119 (0.0000879, 0.0001581) |
| Chronic kidney disease | Nusa Tenggara Timur | 0.000176 (0.0001219, 0.0002489)                  | 0.00014 (0.0001010, 0.0001900)  |
| Chronic kidney disease | Kalimantan Barat    | 0.000139 (0.0000943, 0.0001988)                  | 0.00013 (0.0000883, 0.0001819)  |
| Chronic kidney disease | Kalimantan Tengah   | 0.000207 (0.0001370, 0.0002987)                  | 0.00018 (0.0001274, 0.0002479)  |
| Chronic kidney disease | Kalimantan Selatan  | 0.000209 (0.0001329, 0.0003033)                  | 0.000138 (0.0000911, 0.0001996) |
| Chronic kidney disease | Kalimantan Timur    | 0.000233 (0.0001444, 0.0003528)                  | 0.000183 (0.0001201, 0.0002779) |
| Chronic kidney disease | Kalimantan Utara    | 0.000195 (0.0001036, 0.0003377)                  | 0.000118 (0.0000602, 0.0002148) |
| Chronic kidney disease | Sulawesi Utara      | 0.000296 (0.0002072, 0.0004244)                  | 0.000286 (0.0002010, 0.0003999) |
| Chronic kidney disease | Sulawesi Tengah     | 0.000181 (0.0001204, 0.0002554)                  | 0.000174 (0.0001187, 0.0002389) |
| Chronic kidney disease | Sulawesi Selatan    | 0.000152 (0.0001106, 0.0001970)                  | 0.000107 (0.0000797, 0.0001380) |
| Chronic kidney disease | Sulawesi Tenggara   | 0.00017 (0.0001111, 0.0002406)                   | 0.000162 (0.0001091, 0.0002342) |
| Chronic kidney disease | Gorontalo           | 0.000117 (0.0000839, 0.0001623)                  | 0.000231 (0.0001677, 0.0003137) |
| Chronic kidney disease | Sulawesi Barat      | 0.000135 (0.0000891, 0.0001972)                  | 0.000177 (0.0001179, 0.0002487) |
| Chronic kidney disease | Maluku              | 0.000207 (0.0001139, 0.0003293)                  | 0.000262 (0.0001415, 0.0004305) |
| Chronic kidney disease | Maluku Utara        | 0.00018 (0.0000988, 0.0002900)                   | 0.000339 (0.0001819, 0.0005593) |
| Chronic kidney disease | Papua Barat         | 0.000126 (0.0000752, 0.0002056)                  | 0.000201 (0.0001105, 0.0003267) |
| Chronic kidney disease | Papua               | 0.000104 (0.0000579, 0.0001718)                  | 0.000123 (0.0000732, 0.0001977) |
| Cirrhosis              | Indonesia           | 0.000266 (0.0002450, 0.0002889)                  | 0.000141 (0.0001288, 0.0001534) |
| Cirrhosis              | Aceh                | 0.000211 (0.0001310, 0.0003160)                  | 0.000147 (0.0000897, 0.0002175) |
| Cirrhosis              | Sumatera Utara      | 0.000318 (0.0002483, 0.0003964)                  | 0.000125 (0.0000986, 0.0001567) |
| Cirrhosis              | Sumatera Barat      | 0.000319 (0.0002435, 0.0004100)                  | 0.000132 (0.0000994, 0.0001691) |
| Cirrhosis              | Riau                | 0.000189 (0.0001263, 0.0002852)                  | 0.000114 (0.0000759, 0.0001653) |
| Cirrhosis              | Jambi               | 0.000203 (0.0001193, 0.0003032)                  | 0.000142 (0.0000844, 0.0002096) |
| Cirrhosis              | Sumatera Selatan    | 0.000193 (0.0001369, 0.0002586)                  | 9.46E-05 (0.0000698, 0.0001247) |



Aim 2 Supplementary Tables

| Cause group                  | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                              |                     | Males                                            | Females                         |
| Cirrhosis                    | Bengkulu            | 0.000253 (0.0001527, 0.0003923)                  | 0.000203 (0.0001197, 0.0003209) |
| Cirrhosis                    | Lampung             | 0.00026 (0.0001756, 0.0003783)                   | 0.000152 (0.0001039, 0.0002117) |
| Cirrhosis                    | Bangka Belitung     | 0.000285 (0.0001831, 0.0004169)                  | 0.00018 (0.0001103, 0.0002668)  |
| Cirrhosis                    | Kepulauan Riau      | 0.000185 (0.0001104, 0.0002926)                  | 0.000183 (0.0001097, 0.0002845) |
| Cirrhosis                    | DKI Jakarta         | 0.000198 (0.0001485, 0.0002717)                  | 8.99E-05 (0.0000677, 0.0001184) |
| Cirrhosis                    | Jawa Barat          | 0.000197 (0.0001603, 0.0002406)                  | 9.92E-05 (0.0000805, 0.0001210) |
| Cirrhosis                    | Jawa Tengah         | 0.000287 (0.0002293, 0.0003503)                  | 0.000156 (0.0001265, 0.0001878) |
| Cirrhosis                    | DI Yogyakarta       | 0.000224 (0.0001488, 0.0003237)                  | 0.000142 (0.0000921, 0.0002050) |
| Cirrhosis                    | Jawa Timur          | 0.000275 (0.0002167, 0.0003340)                  | 0.000108 (0.0000876, 0.0001330) |
| Cirrhosis                    | Banten              | 0.000382 (0.0002837, 0.0005011)                  | 0.000194 (0.0001471, 0.0002545) |
| Cirrhosis                    | Bali                | 0.000211 (0.0001491, 0.0002978)                  | 0.000149 (0.0001065, 0.0002072) |
| Cirrhosis                    | Nusa Tenggara Barat | 0.000408 (0.0003048, 0.0005470)                  | 0.000251 (0.0001933, 0.0003231) |
| Cirrhosis                    | Nusa Tenggara Timur | 0.000438 (0.0003200, 0.0005900)                  | 0.000281 (0.0002077, 0.0003732) |
| Cirrhosis                    | Kalimantan Barat    | 0.000254 (0.0001514, 0.0003823)                  | 0.000185 (0.0001144, 0.0002780) |
| Cirrhosis                    | Kalimantan Tengah   | 0.000258 (0.0001590, 0.0003971)                  | 0.00018 (0.0000863, 0.0003385)  |
| Cirrhosis                    | Kalimantan Selatan  | 0.000447 (0.0002943, 0.0006663)                  | 0.000256 (0.0001652, 0.0003874) |
| Cirrhosis                    | Kalimantan Timur    | 0.000303 (0.0002005, 0.0004328)                  | 0.000156 (0.0000975, 0.0002259) |
| Cirrhosis                    | Kalimantan Utara    | 0.000145 (0.0000777, 0.0002375)                  | 7.56E-05 (0.0000246, 0.0001700) |
| Cirrhosis                    | Sulawesi Utara      | 0.00023 (0.0001486, 0.0003320)                   | 0.000138 (0.0000857, 0.0002123) |
| Cirrhosis                    | Sulawesi Tengah     | 0.00027 (0.0001609, 0.0004034)                   | 0.00018 (0.0001040, 0.0002776)  |
| Cirrhosis                    | Sulawesi Selatan    | 0.000289 (0.0002173, 0.0003785)                  | 0.000165 (0.0001268, 0.0002095) |
| Cirrhosis                    | Sulawesi Tenggara   | 0.000337 (0.0001761, 0.0005931)                  | 0.000223 (0.0001253, 0.0003651) |
| Cirrhosis                    | Gorontalo           | 0.000188 (0.0001348, 0.0002541)                  | 0.000249 (0.0001824, 0.0003251) |
| Cirrhosis                    | Sulawesi Barat      | 0.000224 (0.0001192, 0.0003571)                  | 0.000227 (0.0001180, 0.0003521) |
| Cirrhosis                    | Maluku              | 0.000308 (0.0001696, 0.0004998)                  | 0.000228 (0.0001167, 0.0003740) |
| Cirrhosis                    | Maluku Utara        | 0.000248 (0.0001477, 0.0003994)                  | 0.000359 (0.0002118, 0.0005799) |
| Cirrhosis                    | Papua Barat         | 0.000238 (0.0001338, 0.0003754)                  | 0.000292 (0.0001549, 0.0004782) |
| Cirrhosis                    | Papua               | 0.000274 (0.0001475, 0.0004204)                  | 0.000209 (0.0001215, 0.0003214) |
| Chronic respiratory diseases | Indonesia           | 0.000457 (0.0004253, 0.0004923)                  | 0.00026 (0.0002441, 0.0002770)  |
| Chronic respiratory diseases | Aceh                | 0.000556 (0.0003887, 0.0007394)                  | 0.000414 (0.0002964, 0.0005581) |
| Chronic respiratory diseases | Sumatera Utara      | 0.000656 (0.0005315, 0.0007898)                  | 0.000302 (0.0002512, 0.0003585) |
| Chronic respiratory diseases | Sumatera Barat      | 0.000923 (0.0007413, 0.0011182)                  | 0.000495 (0.0004117, 0.0005856) |
| Chronic respiratory diseases | Riau                | 0.000331 (0.0002396, 0.0004616)                  | 0.000237 (0.0001788, 0.0003054) |
| Chronic respiratory diseases | Jambi               | 0.000516 (0.0003540, 0.0007136)                  | 0.000367 (0.0002678, 0.0005047) |
| Chronic respiratory diseases | Sumatera Selatan    | 0.000421 (0.0003177, 0.0005420)                  | 0.000241 (0.0001901, 0.0002923) |
| Chronic respiratory diseases | Bengkulu            | 0.000513 (0.0003398, 0.0007444)                  | 0.000415 (0.0002728, 0.0006068) |
| Chronic respiratory diseases | Lampung             | 0.000395 (0.0002783, 0.0005520)                  | 0.000252 (0.0001833, 0.0003349) |
| Chronic respiratory diseases | Bangka Belitung     | 0.000476 (0.0002890, 0.0006824)                  | 0.000292 (0.0001771, 0.0004222) |
| Chronic respiratory diseases | Kepulauan Riau      | 0.000246 (0.0001554, 0.0003700)                  | 0.000253 (0.0001576, 0.0003747) |
| Chronic respiratory diseases | DKI Jakarta         | 0.000359 (0.0002758, 0.0004901)                  | 0.000193 (0.0001522, 0.0002382) |
| Chronic respiratory diseases | Jawa Barat          | 0.000365 (0.0003038, 0.0004333)                  | 0.000184 (0.0001529, 0.0002237) |
| Chronic respiratory diseases | Jawa Tengah         | 0.000393 (0.0003103, 0.0004835)                  | 0.00022 (0.0001852, 0.0002578)  |
| Chronic respiratory diseases | DI Yogyakarta       | 0.00043 (0.0002977, 0.0005855)                   | 0.00025 (0.0001766, 0.0003375)  |
| Chronic respiratory diseases | Jawa Timur          | 0.000399 (0.0003152, 0.0004768)                  | 0.000174 (0.0001439, 0.0002053) |
| Chronic respiratory diseases | Banten              | 0.000401 (0.0003097, 0.0005073)                  | 0.000233 (0.0001837, 0.0002898) |
| Chronic respiratory diseases | Bali                | 0.000472 (0.0003590, 0.0006253)                  | 0.000294 (0.0002366, 0.0003572) |
| Chronic respiratory diseases | Nusa Tenggara Barat | 0.00065 (0.0005060, 0.0008205)                   | 0.000436 (0.0003507, 0.0005255) |
| Chronic respiratory diseases | Nusa Tenggara Timur | 0.000807 (0.0006301, 0.0010088)                  | 0.000557 (0.0004368, 0.0006740) |
| Chronic respiratory diseases | Kalimantan Barat    | 0.00044 (0.0002798, 0.0006336)                   | 0.000325 (0.0002152, 0.0004524) |
| Chronic respiratory diseases | Kalimantan Tengah   | 0.000421 (0.0002517, 0.0006452)                  | 0.000268 (0.0001642, 0.0004043) |
| Chronic respiratory diseases | Kalimantan Selatan  | 0.000649 (0.0004426, 0.0009001)                  | 0.000345 (0.0002231, 0.0004801) |
| Chronic respiratory diseases | Kalimantan Timur    | 0.000587 (0.0004163, 0.0008118)                  | 0.000323 (0.0002214, 0.0004422) |
| Chronic respiratory diseases | Kalimantan Utara    | 0.000241 (0.0001088, 0.0004472)                  | 0.000106 (0.0000479, 0.0002116) |
| Chronic respiratory diseases | Sulawesi Utara      | 0.000531 (0.0003633, 0.0007420)                  | 0.000351 (0.0002462, 0.0004729) |
| Chronic respiratory diseases | Sulawesi Tengah     | 0.000859 (0.0005936, 0.0011688)                  | 0.000628 (0.0004312, 0.0008463) |
| Chronic respiratory diseases | Sulawesi Selatan    | 0.000644 (0.0004913, 0.0008232)                  | 0.000378 (0.0003098, 0.0004573) |

Aim 2 Supplementary Tables

| Cause group                     | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|---------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                                 |                     | Males                                            | Females                         |
| Chronic respiratory diseases    | Sulawesi Tenggara   | 0.00053 (0.0003112, 0.0007978)                   | 0.000398 (0.0002366, 0.0005953) |
| Chronic respiratory diseases    | Gorontalo           | 0.000478 (0.0003772, 0.0005983)                  | 0.000678 (0.0005538, 0.0008201) |
| Chronic respiratory diseases    | Sulawesi Barat      | 0.000777 (0.0005557, 0.0010702)                  | 0.000811 (0.0005777, 0.0010786) |
| Chronic respiratory diseases    | Maluku              | 0.000686 (0.0003730, 0.0011179)                  | 0.000619 (0.0003257, 0.0009997) |
| Chronic respiratory diseases    | Maluku Utara        | 0.000577 (0.0003268, 0.0008949)                  | 0.00075 (0.0004026, 0.0011628)  |
| Chronic respiratory diseases    | Papua Barat         | 0.000639 (0.0003718, 0.0009531)                  | 0.000755 (0.0004194, 0.0011854) |
| Chronic respiratory diseases    | Papua               | 0.000781 (0.0004762, 0.0011782)                  | 0.000618 (0.0003643, 0.0009396) |
| Other non-communicable diseases | Indonesia           | 0.000587 (0.0005472, 0.0006266)                  | 0.000534 (0.0005035, 0.0005664) |
| Other non-communicable diseases | Aceh                | 0.000645 (0.0004833, 0.0008569)                  | 0.000734 (0.0005707, 0.0009398) |
| Other non-communicable diseases | Sumatera Utara      | 0.000704 (0.0005837, 0.0008352)                  | 0.00055 (0.0004646, 0.0006378)  |
| Other non-communicable diseases | Sumatera Barat      | 0.000707 (0.0005702, 0.0008630)                  | 0.000602 (0.0005075, 0.0007108) |
| Other non-communicable diseases | Riau                | 0.000605 (0.0004639, 0.0007986)                  | 0.000673 (0.0005333, 0.0008203) |
| Other non-communicable diseases | Jambi               | 0.000599 (0.0004409, 0.0008169)                  | 0.000662 (0.0005090, 0.0008458) |
| Other non-communicable diseases | Sumatera Selatan    | 0.000551 (0.0004329, 0.0006860)                  | 0.00051 (0.0004193, 0.0006085)  |
| Other non-communicable diseases | Bengkulu            | 0.000587 (0.0004322, 0.0007819)                  | 0.0007 (0.0005271, 0.0009120)   |
| Other non-communicable diseases | Lampung             | 0.000608 (0.0004643, 0.0008085)                  | 0.000571 (0.0004541, 0.0007159) |
| Other non-communicable diseases | Bangka Belitung     | 0.000764 (0.0005751, 0.0009929)                  | 0.000777 (0.0006007, 0.0009851) |
| Other non-communicable diseases | Kepulauan Riau      | 0.000421 (0.0003051, 0.0005785)                  | 0.000659 (0.0004758, 0.0008757) |
| Other non-communicable diseases | DKI Jakarta         | 0.000443 (0.0003522, 0.0005740)                  | 0.000417 (0.0003392, 0.0005047) |
| Other non-communicable diseases | Jawa Barat          | 0.00043 (0.0003602, 0.0005033)                   | 0.000381 (0.0003217, 0.0004561) |
| Other non-communicable diseases | Jawa Tengah         | 0.000611 (0.0004961, 0.0007349)                  | 0.000553 (0.0004683, 0.0006474) |
| Other non-communicable diseases | DI Yogyakarta       | 0.000642 (0.0004927, 0.0008132)                  | 0.000612 (0.0004852, 0.0007634) |
| Other non-communicable diseases | Jawa Timur          | 0.000617 (0.0005022, 0.0007349)                  | 0.000442 (0.0003739, 0.0005173) |
| Other non-communicable diseases | Banten              | 0.000619 (0.0004990, 0.0007612)                  | 0.000552 (0.0004549, 0.0006688) |
| Other non-communicable diseases | Bali                | 0.000531 (0.0004166, 0.0006760)                  | 0.000564 (0.0004661, 0.0006783) |
| Other non-communicable diseases | Nusa Tenggara Barat | 0.000783 (0.0006132, 0.0009765)                  | 0.000769 (0.0006307, 0.0009239) |
| Other non-communicable diseases | Nusa Tenggara Timur | 0.000469 (0.0003635, 0.0005907)                  | 0.000503 (0.0003968, 0.0006205) |
| Other non-communicable diseases | Kalimantan Barat    | 0.000613 (0.0004440, 0.0008206)                  | 0.000699 (0.0005343, 0.0008987) |
| Other non-communicable diseases | Kalimantan Tengah   | 0.000592 (0.0004281, 0.0007894)                  | 0.000614 (0.0004679, 0.0007854) |
| Other non-communicable diseases | Kalimantan Selatan  | 0.000742 (0.0005472, 0.0009858)                  | 0.000666 (0.0004887, 0.0008645) |
| Other non-communicable diseases | Kalimantan Timur    | 0.000667 (0.0005113, 0.0008519)                  | 0.000634 (0.0004970, 0.0008223) |
| Other non-communicable diseases | Kalimantan Utara    | 0.00037 (0.0002314, 0.0005390)                   | 0.000288 (0.0001830, 0.0004177) |
| Other non-communicable diseases | Sulawesi Utara      | 0.000685 (0.0005083, 0.0008722)                  | 0.000699 (0.0005413, 0.0008785) |
| Other non-communicable diseases | Sulawesi Tengah     | 0.000738 (0.0005483, 0.0009765)                  | 0.000815 (0.0006169, 0.0010460) |
| Other non-communicable diseases | Sulawesi Selatan    | 0.000601 (0.0004730, 0.0007482)                  | 0.000574 (0.0004818, 0.0006749) |
| Other non-communicable diseases | Sulawesi Tenggara   | 0.000735 (0.0005036, 0.0010303)                  | 0.000804 (0.0005745, 0.0011031) |
| Other non-communicable diseases | Gorontalo           | 0.00062 (0.0004969, 0.0007576)                   | 0.001216 (0.0010047, 0.0014646) |
| Other non-communicable diseases | Sulawesi Barat      | 0.00071 (0.0005304, 0.0009348)                   | 0.001039 (0.0007896, 0.0013329) |
| Other non-communicable diseases | Maluku              | 0.00078 (0.0005126, 0.0011258)                   | 0.001029 (0.0007010, 0.0014388) |
| Other non-communicable diseases | Maluku Utara        | 0.000654 (0.0004407, 0.0009056)                  | 0.001342 (0.0009349, 0.0018766) |
| Other non-communicable diseases | Papua Barat         | 0.000641 (0.0004426, 0.0008775)                  | 0.001162 (0.0008153, 0.0016116) |
| Other non-communicable diseases | Papua               | 0.000765 (0.0005258, 0.0010797)                  | 0.000918 (0.0006503, 0.0012506) |
| Drowning                        | Indonesia           | 5.06E-05 (0.0000441, 0.0000580)                  | 0.000019 (0.0000150, 0.0000233) |
| Drowning                        | Aceh                | 4.28E-05 (0.0000247, 0.0000676)                  | 1.76E-05 (0.0000091, 0.0000289) |
| Drowning                        | Sumatera Utara      | 5.68E-05 (0.0000415, 0.0000750)                  | 1.81E-05 (0.0000126, 0.0000252) |
| Drowning                        | Sumatera Barat      | 5.23E-05 (0.0000320, 0.0000820)                  | 1.69E-05 (0.0000099, 0.0000266) |
| Drowning                        | Riau                | 5.53E-05 (0.0000343, 0.0000858)                  | 2.13E-05 (0.0000132, 0.0000332) |
| Drowning                        | Jambi               | 7.23E-05 (0.0000439, 0.0001125)                  | 3.19E-05 (0.0000179, 0.0000536) |
| Drowning                        | Sumatera Selatan    | 7.76E-05 (0.0000555, 0.0001079)                  | 2.82E-05 (0.0000184, 0.0000402) |
| Drowning                        | Bengkulu            | 6.04E-05 (0.0000343, 0.0001040)                  | 2.82E-05 (0.0000147, 0.0000509) |
| Drowning                        | Lampung             | 4.34E-05 (0.0000249, 0.0000658)                  | 1.53E-05 (0.0000085, 0.0000254) |
| Drowning                        | Bangka Belitung     | 7.21E-05 (0.0000352, 0.0001272)                  | 2.87E-05 (0.0000126, 0.0000531) |
| Drowning                        | Kepulauan Riau      | 3.02E-05 (0.0000075, 0.0000805)                  | 0.000015 (0.0000031, 0.0000400) |
| Drowning                        | DKI Jakarta         | 9.9E-06 (0.0000029, 0.0000257)                   | 3.2E-06 (0.0000009, 0.0000082)  |
| Drowning                        | Jawa Barat          | 3.27E-05 (0.0000241, 0.0000427)                  | 1.09E-05 (0.0000076, 0.0000145) |
| Drowning                        | Jawa Tengah         | 4.95E-05 (0.0000367, 0.0000632)                  | 1.78E-05 (0.0000126, 0.0000250) |

## Aim 2 Supplementary Tables

| Cause group | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|-------------|---------------------|--------------------------------------------------|---------------------------------|
|             |                     | Males                                            | Females                         |
| Drowning    | DI Yogyakarta       | 3.68E-05 (0.0000188, 0.0000631)                  | 1.69E-05 (0.0000075, 0.0000301) |
| Drowning    | Jawa Timur          | 3.25E-05 (0.0000218, 0.0000450)                  | 1.08E-05 (0.0000069, 0.0000156) |
| Drowning    | Banten              | 4.91E-05 (0.0000290, 0.0000771)                  | 1.68E-05 (0.0000093, 0.0000276) |
| Drowning    | Bali                | 0.000043 (0.0000167, 0.0000837)                  | 1.81E-05 (0.0000065, 0.0000368) |
| Drowning    | Nusa Tenggara Barat | 6.65E-05 (0.0000385, 0.0001098)                  | 0.00003 (0.0000162, 0.0000501)  |
| Drowning    | Nusa Tenggara Timur | 8.07E-05 (0.0000485, 0.0001237)                  | 2.75E-05 (0.0000158, 0.0000442) |
| Drowning    | Kalimantan Barat    | 8.15E-05 (0.0000439, 0.0001425)                  | 3.86E-05 (0.0000184, 0.0000729) |
| Drowning    | Kalimantan Tengah   | 6.69E-05 (0.0000326, 0.0001164)                  | 2.76E-05 (0.0000118, 0.0000536) |
| Drowning    | Kalimantan Selatan  | 0.0001 (0.0000524, 0.0001619)                    | 3.75E-05 (0.0000178, 0.0000668) |
| Drowning    | Kalimantan Timur    | 3.94E-05 (0.0000188, 0.0000719)                  | 1.56E-05 (0.0000071, 0.0000309) |
| Drowning    | Kalimantan Utara    | 2.44E-05 (0.0000076, 0.0000556)                  | 8.9E-06 (0.0000024, 0.0000224)  |
| Drowning    | Sulawesi Utara      | 4.95E-05 (0.0000148, 0.0001103)                  | 1.74E-05 (0.0000050, 0.0000405) |
| Drowning    | Sulawesi Tengah     | 7.57E-05 (0.0000353, 0.0001345)                  | 2.65E-05 (0.0000106, 0.0000536) |
| Drowning    | Sulawesi Selatan    | 8.83E-05 (0.0000629, 0.0001207)                  | 3.19E-05 (0.0000214, 0.0000448) |
| Drowning    | Sulawesi Tenggara   | 8.14E-05 (0.0000307, 0.0001691)                  | 3.53E-05 (0.0000112, 0.0000791) |
| Drowning    | Gorontalo           | 8.28E-05 (0.0000563, 0.0001155)                  | 3.82E-05 (0.0000241, 0.0000556) |
| Drowning    | Sulawesi Barat      | 0.000107 (0.0000632, 0.0001701)                  | 5.56E-05 (0.0000295, 0.0000951) |
| Drowning    | Maluku              | 7.46E-05 (0.0000285, 0.0001543)                  | 3.06E-05 (0.0000097, 0.0000705) |
| Drowning    | Maluku Utara        | 6.77E-05 (0.0000282, 0.0001278)                  | 5.01E-05 (0.0000168, 0.0001036) |
| Drowning    | Papua Barat         | 7.48E-05 (0.0000332, 0.0001514)                  | 0.000042 (0.0000150, 0.0000927) |
| Drowning    | Papua               | 0.000168 (0.0000814, 0.0003037)                  | 0.000101 (0.0000456, 0.0001945) |
| Falls       | Indonesia           | 8.48E-05 (0.0000753, 0.0000951)                  | 4.57E-05 (0.0000402, 0.0000526) |
| Falls       | Aceh                | 6.76E-05 (0.0000345, 0.0001157)                  | 4.48E-05 (0.0000244, 0.0000735) |
| Falls       | Sumatera Utara      | 7.93E-05 (0.0000590, 0.0001028)                  | 3.42E-05 (0.0000255, 0.0000455) |
| Falls       | Sumatera Barat      | 8.45E-05 (0.0000571, 0.0001203)                  | 3.74E-05 (0.0000254, 0.0000545) |
| Falls       | Riau                | 7.93E-05 (0.0000457, 0.0001302)                  | 4.58E-05 (0.0000276, 0.0000718) |
| Falls       | Jambi               | 7.29E-05 (0.0000380, 0.0001216)                  | 5.08E-05 (0.0000283, 0.0000836) |
| Falls       | Sumatera Selatan    | 4.77E-05 (0.0000275, 0.0000742)                  | 2.64E-05 (0.0000157, 0.0000387) |
| Falls       | Bengkulu            | 8.38E-05 (0.0000410, 0.0001470)                  | 6.51E-05 (0.0000324, 0.0001171) |
| Falls       | Lampung             | 6.13E-05 (0.0000305, 0.0001036)                  | 3.45E-05 (0.0000188, 0.0000555) |
| Falls       | Bangka Belitung     | 0.000113 (0.0000620, 0.0001930)                  | 7.33E-05 (0.0000395, 0.0001176) |
| Falls       | Kepulauan Riau      | 8.84E-05 (0.0000412, 0.0001558)                  | 7.51E-05 (0.0000348, 0.0001386) |
| Falls       | DKI Jakarta         | 0.000137 (0.0000996, 0.0001835)                  | 0.000063 (0.0000473, 0.0000825) |
| Falls       | Jawa Barat          | 4.83E-05 (0.0000379, 0.0000612)                  | 2.42E-05 (0.0000185, 0.0000313) |
| Falls       | Jawa Tengah         | 9.24E-05 (0.0000706, 0.0001177)                  | 4.92E-05 (0.0000389, 0.0000607) |
| Falls       | DI Yogyakarta       | 0.000159 (0.0000860, 0.0002694)                  | 0.00011 (0.0000627, 0.0001786)  |
| Falls       | Jawa Timur          | 7.89E-05 (0.0000599, 0.0001015)                  | 0.000035 (0.0000268, 0.0000442) |
| Falls       | Banten              | 0.000114 (0.0000765, 0.0001606)                  | 0.000056 (0.0000386, 0.0000801) |
| Falls       | Bali                | 0.000116 (0.0000733, 0.0001687)                  | 7.75E-05 (0.0000517, 0.0001088) |
| Falls       | Nusa Tenggara Barat | 0.000135 (0.0000906, 0.0001897)                  | 8.46E-05 (0.0000577, 0.0001169) |
| Falls       | Nusa Tenggara Timur | 0.000128 (0.0000837, 0.0001866)                  | 6.61E-05 (0.0000432, 0.0000958) |
| Falls       | Kalimantan Barat    | 0.000086 (0.0000405, 0.0001484)                  | 5.97E-05 (0.0000295, 0.0001020) |
| Falls       | Kalimantan Tengah   | 7.03E-05 (0.0000351, 0.0001201)                  | 4.56E-05 (0.0000233, 0.0000775) |
| Falls       | Kalimantan Selatan  | 9.31E-05 (0.0000437, 0.0001597)                  | 5.31E-05 (0.0000265, 0.0000902) |
| Falls       | Kalimantan Timur    | 0.000111 (0.0000562, 0.0001992)                  | 6.55E-05 (0.0000337, 0.0001131) |
| Falls       | Kalimantan Utara    | 6.96E-05 (0.0000240, 0.0001707)                  | 4.11E-05 (0.0000143, 0.0000975) |
| Falls       | Sulawesi Utara      | 5.15E-05 (0.0000229, 0.0000891)                  | 2.76E-05 (0.0000119, 0.0000477) |
| Falls       | Sulawesi Tengah     | 7.91E-05 (0.0000377, 0.0001388)                  | 4.44E-05 (0.0000210, 0.0000798) |
| Falls       | Sulawesi Selatan    | 0.000104 (0.0000721, 0.0001475)                  | 5.51E-05 (0.0000400, 0.0000734) |
| Falls       | Sulawesi Tenggara   | 9.23E-05 (0.0000366, 0.0001709)                  | 6.48E-05 (0.0000285, 0.0001184) |
| Falls       | Gorontalo           | 6.14E-05 (0.0000360, 0.0000919)                  | 5.01E-05 (0.0000298, 0.0000734) |
| Falls       | Sulawesi Barat      | 0.000101 (0.0000502, 0.0001793)                  | 8.99E-05 (0.0000459, 0.0001560) |
| Falls       | Maluku              | 7.88E-05 (0.0000272, 0.0001659)                  | 0.000049 (0.0000168, 0.0001031) |
| Falls       | Maluku Utara        | 0.000101 (0.0000420, 0.0002091)                  | 0.000131 (0.0000555, 0.0002677) |
| Falls       | Papua Barat         | 5.72E-05 (0.0000195, 0.0001321)                  | 6.02E-05 (0.0000198, 0.0001376) |
| Falls       | Papua               | 0.000157 (0.0000476, 0.0003488)                  | 0.000115 (0.0000401, 0.0002423) |

Aim 2 Supplementary Tables

| Cause group            | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                        |                     | Males                                            | Females                         |
| Interpersonal violence | Indonesia           | 1.42E-05 (0.0000111, 0.0000182)                  | 8.4E-06 (0.0000058, 0.0000115)  |
| Interpersonal violence | Aceh                | 2.75E-05 (0.0000164, 0.0000441)                  | 1.94E-05 (0.0000104, 0.0000322) |
| Interpersonal violence | Sumatera Utara      | 2.24E-05 (0.0000155, 0.0000308)                  | 1.03E-05 (0.0000066, 0.0000152) |
| Interpersonal violence | Sumatera Barat      | 2.09E-05 (0.0000144, 0.0000296)                  | 1.16E-05 (0.0000074, 0.0000177) |
| Interpersonal violence | Riau                | 2.13E-05 (0.0000120, 0.0000353)                  | 1.35E-05 (0.0000070, 0.0000234) |
| Interpersonal violence | Jambi               | 1.81E-05 (0.0000109, 0.0000281)                  | 1.23E-05 (0.0000068, 0.0000198) |
| Interpersonal violence | Sumatera Selatan    | 1.75E-05 (0.0000120, 0.0000250)                  | 9.8E-06 (0.0000062, 0.0000148)  |
| Interpersonal violence | Bengkulu            | 2.29E-05 (0.0000132, 0.0000372)                  | 1.79E-05 (0.0000096, 0.0000310) |
| Interpersonal violence | Lampung             | 0.000016 (0.0000098, 0.0000245)                  | 0.000009 (0.0000052, 0.0000138) |
| Interpersonal violence | Bangka Belitung     | 3.94E-05 (0.0000212, 0.0000661)                  | 2.64E-05 (0.0000133, 0.0000470) |
| Interpersonal violence | Kepulauan Riau      | 5.8E-06 (0.0000025, 0.0000111)                   | 5.5E-06 (0.0000023, 0.0000110)  |
| Interpersonal violence | DKI Jakarta         | 5.5E-06 (0.0000015, 0.0000140)                   | 2.7E-06 (0.0000007, 0.0000073)  |
| Interpersonal violence | Jawa Barat          | 4.7E-06 (0.0000028, 0.0000074)                   | 2.6E-06 (0.0000015, 0.0000042)  |
| Interpersonal violence | Jawa Tengah         | 7.8E-06 (0.0000049, 0.0000121)                   | 4.3E-06 (0.0000027, 0.0000067)  |
| Interpersonal violence | DI Yogyakarta       | 7.6E-06 (0.0000032, 0.0000148)                   | 0.000005 (0.0000021, 0.0000100) |
| Interpersonal violence | Jawa Timur          | 0.000012 (0.0000087, 0.0000168)                  | 5.2E-06 (0.0000034, 0.0000078)  |
| Interpersonal violence | Banten              | 7.3E-06 (0.0000038, 0.0000126)                   | 3.6E-06 (0.0000019, 0.0000060)  |
| Interpersonal violence | Bali                | 2.94E-05 (0.0000098, 0.0000650)                  | 1.68E-05 (0.0000053, 0.0000372) |
| Interpersonal violence | Nusa Tenggara Barat | 2.97E-05 (0.0000190, 0.0000459)                  | 1.67E-05 (0.0000097, 0.0000271) |
| Interpersonal violence | Nusa Tenggara Timur | 2.49E-05 (0.0000153, 0.0000395)                  | 1.54E-05 (0.0000089, 0.0000248) |
| Interpersonal violence | Kalimantan Barat    | 1.69E-05 (0.0000095, 0.0000267)                  | 1.15E-05 (0.0000057, 0.0000200) |
| Interpersonal violence | Kalimantan Tengah   | 3.17E-05 (0.0000169, 0.0000559)                  | 2.18E-05 (0.0000105, 0.0000389) |
| Interpersonal violence | Kalimantan Selatan  | 2.85E-05 (0.0000177, 0.0000453)                  | 1.63E-05 (0.0000090, 0.0000276) |
| Interpersonal violence | Kalimantan Timur    | 2.16E-05 (0.0000110, 0.0000363)                  | 1.21E-05 (0.0000057, 0.0000215) |
| Interpersonal violence | Kalimantan Utara    | 2.38E-05 (0.0000083, 0.0000543)                  | 1.17E-05 (0.0000037, 0.0000270) |
| Interpersonal violence | Sulawesi Utara      | 0.00002 (0.0000119, 0.0000320)                   | 1.58E-05 (0.0000079, 0.0000267) |
| Interpersonal violence | Sulawesi Tengah     | 3.86E-05 (0.0000210, 0.0000648)                  | 0.000026 (0.0000130, 0.0000462) |
| Interpersonal violence | Sulawesi Selatan    | 2.11E-05 (0.0000145, 0.0000311)                  | 1.26E-05 (0.0000081, 0.0000185) |
| Interpersonal violence | Sulawesi Tenggara   | 2.63E-05 (0.0000136, 0.0000457)                  | 0.000017 (0.0000082, 0.0000306) |
| Interpersonal violence | Gorontalo           | 1.03E-05 (0.0000062, 0.0000161)                  | 1.46E-05 (0.0000089, 0.0000224) |
| Interpersonal violence | Sulawesi Barat      | 0.000032 (0.0000175, 0.0000527)                  | 3.08E-05 (0.0000156, 0.0000552) |
| Interpersonal violence | Maluku              | 2.44E-05 (0.0000102, 0.0000479)                  | 0.00002 (0.0000074, 0.0000429)  |
| Interpersonal violence | Maluku Utara        | 2.43E-05 (0.0000111, 0.0000471)                  | 3.43E-05 (0.0000152, 0.0000682) |
| Interpersonal violence | Papua Barat         | 2.96E-05 (0.0000128, 0.0000611)                  | 0.000034 (0.0000125, 0.0000744) |
| Interpersonal violence | Papua               | 4.12E-05 (0.0000195, 0.0000783)                  | 2.91E-05 (0.0000111, 0.0000626) |
| Self-harm              | Indonesia           | 2.42E-05 (0.0000201, 0.0000288)                  | 1.08E-05 (0.0000083, 0.0000140) |
| Self-harm              | Aceh                | 4.16E-05 (0.0000250, 0.0000664)                  | 2.35E-05 (0.0000140, 0.0000378) |
| Self-harm              | Sumatera Utara      | 4.04E-05 (0.0000262, 0.0000568)                  | 0.000014 (0.0000093, 0.0000201) |
| Self-harm              | Sumatera Barat      | 3.45E-05 (0.0000234, 0.0000502)                  | 1.51E-05 (0.0000096, 0.0000219) |
| Self-harm              | Riau                | 1.29E-05 (0.0000061, 0.0000241)                  | 6.4E-06 (0.0000029, 0.0000115)  |
| Self-harm              | Jambi               | 2.31E-05 (0.0000118, 0.0000403)                  | 1.22E-05 (0.0000058, 0.0000221) |
| Self-harm              | Sumatera Selatan    | 2.56E-05 (0.0000166, 0.0000369)                  | 1.08E-05 (0.0000071, 0.0000160) |
| Self-harm              | Bengkulu            | 3.91E-05 (0.0000216, 0.0000642)                  | 2.42E-05 (0.0000128, 0.0000405) |
| Self-harm              | Lampung             | 3.86E-05 (0.0000202, 0.0000661)                  | 1.72E-05 (0.0000089, 0.0000304) |
| Self-harm              | Bangka Belitung     | 2.81E-05 (0.0000135, 0.0000514)                  | 1.49E-05 (0.0000068, 0.0000281) |
| Self-harm              | Kepulauan Riau      | 0.000009 (0.0000034, 0.0000186)                  | 7.1E-06 (0.0000027, 0.0000146)  |
| Self-harm              | DKI Jakarta         | 3.2E-06 (0.0000006, 0.0000088)                   | 1.1E-06 (0.0000002, 0.0000033)  |
| Self-harm              | Jawa Barat          | 0.000012 (0.0000081, 0.0000168)                  | 5.1E-06 (0.0000033, 0.0000075)  |
| Self-harm              | Jawa Tengah         | 0.000019 (0.0000136, 0.0000264)                  | 8.2E-06 (0.0000056, 0.0000116)  |
| Self-harm              | DI Yogyakarta       | 3.14E-05 (0.0000137, 0.0000590)                  | 1.55E-05 (0.0000065, 0.0000313) |
| Self-harm              | Jawa Timur          | 2.04E-05 (0.0000129, 0.0000304)                  | 6.6E-06 (0.0000042, 0.0000101)  |
| Self-harm              | Banten              | 2.51E-05 (0.0000126, 0.0000449)                  | 9.4E-06 (0.0000047, 0.0000178)  |
| Self-harm              | Bali                | 7.97E-05 (0.0000451, 0.0001326)                  | 3.49E-05 (0.0000182, 0.0000586) |
| Self-harm              | Nusa Tenggara Barat | 3.91E-05 (0.0000228, 0.0000636)                  | 1.63E-05 (0.0000093, 0.0000276) |
| Self-harm              | Nusa Tenggara Timur | 0.000039 (0.0000226, 0.0000620)                  | 1.94E-05 (0.0000112, 0.0000312) |
| Self-harm              | Kalimantan Barat    | 1.97E-05 (0.0000093, 0.0000387)                  | 1.03E-05 (0.0000047, 0.0000199) |



Aim 2 Supplementary Tables

| Cause group                  | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                              |                     | Males                                            | Females                         |
| Self-harm                    | Kalimantan Tengah   | 2.56E-05 (0.0000113, 0.0000513)                  | 1.38E-05 (0.0000055, 0.0000282) |
| Self-harm                    | Kalimantan Selatan  | 3.73E-05 (0.0000212, 0.0000614)                  | 1.61E-05 (0.0000089, 0.0000274) |
| Self-harm                    | Kalimantan Timur    | 1.57E-05 (0.0000067, 0.0000296)                  | 6.8E-06 (0.0000027, 0.0000135)  |
| Self-harm                    | Kalimantan Utara    | 8.2E-06 (0.0000021, 0.0000213)                   | 3.1E-06 (0.0000007, 0.0000079)  |
| Self-harm                    | Sulawesi Utara      | 4.11E-05 (0.0000242, 0.0000656)                  | 2.75E-05 (0.0000150, 0.0000459) |
| Self-harm                    | Sulawesi Tengah     | 3.33E-05 (0.0000153, 0.0000622)                  | 1.83E-05 (0.0000081, 0.0000349) |
| Self-harm                    | Sulawesi Selatan    | 4.56E-05 (0.0000290, 0.0000690)                  | 2.11E-05 (0.0000131, 0.0000326) |
| Self-harm                    | Sulawesi Tenggara   | 3.31E-05 (0.0000143, 0.0000645)                  | 1.68E-05 (0.0000068, 0.0000329) |
| Self-harm                    | Gorontalo           | 1.73E-05 (0.0000095, 0.0000295)                  | 2.27E-05 (0.0000122, 0.0000385) |
| Self-harm                    | Sulawesi Barat      | 4.57E-05 (0.0000215, 0.0000812)                  | 3.66E-05 (0.0000165, 0.0000691) |
| Self-harm                    | Maluku              | 4.64E-05 (0.0000170, 0.0000960)                  | 3.18E-05 (0.0000107, 0.0000689) |
| Self-harm                    | Maluku Utara        | 3.87E-05 (0.0000168, 0.0000778)                  | 4.42E-05 (0.0000178, 0.0000947) |
| Self-harm                    | Papua Barat         | 2.64E-05 (0.0000080, 0.0000599)                  | 2.53E-05 (0.0000071, 0.0000584) |
| Self-harm                    | Papua               | 2.72E-05 (0.0000112, 0.0000571)                  | 1.47E-05 (0.0000055, 0.0000308) |
| Transport injuries           | Indonesia           | 0.000283 (0.0002636, 0.0003024)                  | 9.15E-05 (0.0000832, 0.0001000) |
| Transport injuries           | Aceh                | 0.00027 (0.0001844, 0.0003779)                   | 0.000103 (0.0000680, 0.0001546) |
| Transport injuries           | Sumatera Utara      | 0.000434 (0.0003532, 0.0005270)                  | 0.000112 (0.0000912, 0.0001376) |
| Transport injuries           | Sumatera Barat      | 0.00043 (0.0003463, 0.0005384)                   | 0.000119 (0.0000922, 0.0001467) |
| Transport injuries           | Riau                | 0.000293 (0.0002190, 0.0003935)                  | 0.000105 (0.0000763, 0.0001439) |
| Transport injuries           | Jambi               | 0.0003 (0.0002066, 0.0004156)                    | 0.000124 (0.0000801, 0.0001824) |
| Transport injuries           | Sumatera Selatan    | 0.000318 (0.0002458, 0.0004093)                  | 0.000102 (0.0000783, 0.0001276) |
| Transport injuries           | Bengkulu            | 0.000313 (0.0001985, 0.0004788)                  | 0.000142 (0.0000793, 0.0002393) |
| Transport injuries           | Lampung             | 0.000227 (0.0001559, 0.0003197)                  | 7.13E-05 (0.0000460, 0.0001005) |
| Transport injuries           | Bangka Belitung     | 0.000376 (0.0002516, 0.0005283)                  | 0.000143 (0.0000905, 0.0002177) |
| Transport injuries           | Kepulauan Riau      | 0.000235 (0.0001388, 0.0003589)                  | 0.000131 (0.0000644, 0.0002191) |
| Transport injuries           | DKI Jakarta         | 0.000217 (0.0001680, 0.0002954)                  | 6.33E-05 (0.0000487, 0.0000818) |
| Transport injuries           | Jawa Barat          | 0.000192 (0.0001578, 0.0002276)                  | 5.91E-05 (0.0000477, 0.0000716) |
| Transport injuries           | Jawa Tengah         | 0.000228 (0.0001883, 0.0002812)                  | 7.04E-05 (0.0000567, 0.0000854) |
| Transport injuries           | DI Yogyakarta       | 0.000461 (0.0003204, 0.0006428)                  | 0.000182 (0.0001193, 0.0002577) |
| Transport injuries           | Jawa Timur          | 0.000275 (0.0002204, 0.0003369)                  | 6.89E-05 (0.0000551, 0.0000839) |
| Transport injuries           | Banten              | 0.000325 (0.0002475, 0.0004122)                  | 9.47E-05 (0.0000692, 0.0001245) |
| Transport injuries           | Bali                | 0.000178 (0.0001205, 0.0002498)                  | 6.64E-05 (0.0000440, 0.0000952) |
| Transport injuries           | Nusa Tenggara Barat | 0.000422 (0.0003257, 0.0005468)                  | 0.000153 (0.0001152, 0.0001984) |
| Transport injuries           | Nusa Tenggara Timur | 0.000262 (0.0001890, 0.0003565)                  | 8.81E-05 (0.0000628, 0.0001208) |
| Transport injuries           | Kalimantan Barat    | 0.000283 (0.0001768, 0.0004168)                  | 0.00012 (0.0000697, 0.0001893)  |
| Transport injuries           | Kalimantan Tengah   | 0.00025 (0.0001525, 0.0003740)                   | 0.0001 (0.0000579, 0.0001552)   |
| Transport injuries           | Kalimantan Selatan  | 0.000424 (0.0002829, 0.0006159)                  | 0.000141 (0.0000865, 0.0002157) |
| Transport injuries           | Kalimantan Timur    | 0.000447 (0.0003138, 0.0006186)                  | 0.000155 (0.0001002, 0.0002306) |
| Transport injuries           | Kalimantan Utara    | 0.000202 (0.0000952, 0.0003636)                  | 0.000064 (0.0000245, 0.0001290) |
| Transport injuries           | Sulawesi Utara      | 0.000398 (0.0002784, 0.0005686)                  | 0.000154 (0.0000993, 0.0002191) |
| Transport injuries           | Sulawesi Tengah     | 0.000313 (0.0001989, 0.0004625)                  | 0.000114 (0.0000643, 0.0001785) |
| Transport injuries           | Sulawesi Selatan    | 0.000404 (0.0003188, 0.0005107)                  | 0.000132 (0.0001055, 0.0001626) |
| Transport injuries           | Sulawesi Tenggara   | 0.000328 (0.0001896, 0.0005187)                  | 0.000129 (0.0000670, 0.0002258) |
| Transport injuries           | Gorontalo           | 0.000156 (0.0001152, 0.0002093)                  | 9.56E-05 (0.0000670, 0.0001303) |
| Transport injuries           | Sulawesi Barat      | 0.000385 (0.0002624, 0.0005481)                  | 0.000225 (0.0001411, 0.0003454) |
| Transport injuries           | Maluku              | 0.000252 (0.0001284, 0.0004270)                  | 0.000109 (0.0000487, 0.0001994) |
| Transport injuries           | Maluku Utara        | 0.000274 (0.0001501, 0.0004682)                  | 0.000229 (0.0001047, 0.0004346) |
| Transport injuries           | Papua Barat         | 0.000306 (0.0001581, 0.0005339)                  | 0.000235 (0.0001083, 0.0004563) |
| Transport injuries           | Papua               | 0.000485 (0.0003023, 0.0007219)                  | 0.000253 (0.0001539, 0.0004069) |
| Other unintentional injuries | Indonesia           | 9.19E-05 (0.0000828, 0.0001031)                  | 3.41E-05 (0.0000289, 0.0000405) |
| Other unintentional injuries | Aceh                | 0.000151 (0.0000976, 0.0002214)                  | 6.83E-05 (0.0000423, 0.0001044) |
| Other unintentional injuries | Sumatera Utara      | 0.000123 (0.0000945, 0.0001545)                  | 3.73E-05 (0.0000279, 0.0000489) |
| Other unintentional injuries | Sumatera Barat      | 0.00014 (0.0000992, 0.0001873)                   | 4.78E-05 (0.0000330, 0.0000688) |
| Other unintentional injuries | Riau                | 0.000129 (0.0000835, 0.0001925)                  | 5.25E-05 (0.0000332, 0.0000809) |
| Other unintentional injuries | Jambi               | 0.000113 (0.0000701, 0.0001654)                  | 5.12E-05 (0.0000294, 0.0000798) |
| Other unintentional injuries | Sumatera Selatan    | 0.000132 (0.0000939, 0.0001811)                  | 4.83E-05 (0.0000340, 0.0000650) |

## Aim 2 Supplementary Tables

| Cause group                  | Location            | Age-standardized CSMR (95% uncertainty interval) |                                 |
|------------------------------|---------------------|--------------------------------------------------|---------------------------------|
|                              |                     | Males                                            | Females                         |
| Other unintentional injuries | Bengkulu            | 0.000147 (0.0000872, 0.0002382)                  | 7.45E-05 (0.0000398, 0.0001286) |
| Other unintentional injuries | Lampung             | 9.85E-05 (0.0000638, 0.0001477)                  | 3.58E-05 (0.0000228, 0.0000542) |
| Other unintentional injuries | Bangka Belitung     | 0.000211 (0.0001333, 0.0003133)                  | 9.04E-05 (0.0000539, 0.0001423) |
| Other unintentional injuries | Kepulauan Riau      | 0.000042 (0.0000207, 0.0000742)                  | 2.51E-05 (0.0000111, 0.0000486) |
| Other unintentional injuries | DKI Jakarta         | 1.29E-05 (0.0000044, 0.0000294)                  | 4.2E-06 (0.0000014, 0.0000105)  |
| Other unintentional injuries | Jawa Barat          | 4.68E-05 (0.0000369, 0.0000582)                  | 1.64E-05 (0.0000122, 0.0000213) |
| Other unintentional injuries | Jawa Tengah         | 8.14E-05 (0.0000637, 0.0001034)                  | 0.000029 (0.0000220, 0.0000372) |
| Other unintentional injuries | DI Yogyakarta       | 0.000087 (0.0000527, 0.0001314)                  | 3.72E-05 (0.0000220, 0.0000576) |
| Other unintentional injuries | Jawa Timur          | 8.85E-05 (0.0000706, 0.0001123)                  | 2.58E-05 (0.0000193, 0.0000337) |
| Other unintentional injuries | Banten              | 6.13E-05 (0.0000368, 0.0000936)                  | 2.04E-05 (0.0000119, 0.0000324) |
| Other unintentional injuries | Bali                | 0.000141 (0.0000905, 0.0002017)                  | 5.74E-05 (0.0000353, 0.0000862) |
| Other unintentional injuries | Nusa Tenggara Barat | 0.000146 (0.0001028, 0.0001980)                  | 5.65E-05 (0.0000391, 0.0000785) |
| Other unintentional injuries | Nusa Tenggara Timur | 0.000129 (0.0000838, 0.0001879)                  | 4.92E-05 (0.0000311, 0.0000716) |
| Other unintentional injuries | Kalimantan Barat    | 0.0001 (0.0000586, 0.0001582)                    | 4.54E-05 (0.0000252, 0.0000726) |
| Other unintentional injuries | Kalimantan Tengah   | 0.000168 (0.0000938, 0.0002665)                  | 7.57E-05 (0.0000391, 0.0001207) |
| Other unintentional injuries | Kalimantan Selatan  | 0.000171 (0.0000999, 0.0002709)                  | 6.46E-05 (0.0000362, 0.0001057) |
| Other unintentional injuries | Kalimantan Timur    | 0.000109 (0.0000598, 0.0001817)                  | 4.15E-05 (0.0000211, 0.0000716) |
| Other unintentional injuries | Kalimantan Utara    | 0.000139 (0.0000506, 0.0002749)                  | 4.81E-05 (0.0000158, 0.0001052) |
| Other unintentional injuries | Sulawesi Utara      | 0.000137 (0.0000853, 0.0002065)                  | 6.17E-05 (0.0000366, 0.0000969) |
| Other unintentional injuries | Sulawesi Tengah     | 0.000187 (0.0001105, 0.0003096)                  | 7.74E-05 (0.0000423, 0.0001379) |
| Other unintentional injuries | Sulawesi Selatan    | 0.00011 (0.0000801, 0.0001453)                   | 4.09E-05 (0.0000298, 0.0000541) |
| Other unintentional injuries | Sulawesi Tenggara   | 0.000141 (0.0000747, 0.0002386)                  | 6.03E-05 (0.0000300, 0.0001085) |
| Other unintentional injuries | Gorontalo           | 7.42E-05 (0.0000495, 0.0001074)                  | 5.44E-05 (0.0000353, 0.0000805) |
| Other unintentional injuries | Sulawesi Barat      | 0.000143 (0.0000863, 0.0002217)                  | 8.59E-05 (0.0000475, 0.0001391) |
| Other unintentional injuries | Maluku              | 0.000109 (0.0000492, 0.0002053)                  | 5.44E-05 (0.0000218, 0.0001052) |
| Other unintentional injuries | Maluku Utara        | 0.000113 (0.0000565, 0.0002042)                  | 0.000101 (0.0000447, 0.0001921) |
| Other unintentional injuries | Papua Barat         | 0.00014 (0.0000608, 0.0002685)                   | 0.000104 (0.0000401, 0.0002107) |
| Other unintentional injuries | Papua               | 7.87E-05 (0.0000203, 0.0001991)                  | 3.96E-05 (0.0000102, 0.0001032) |

Supplementary Table 10. Correlations between GBD 2016 and my age/sex/province-specific estimates of log-rates by cause group. List is sorted by log(CSMR) correlations.

| Cause group                                              | log(CSMR)    | log(YLLs per capita) |
|----------------------------------------------------------|--------------|----------------------|
| Other neonatal disorders                                 | 1.000        | 1.000                |
| Preterm birth complications                              | 1.000        | 1.000                |
| Other non-communicable diseases                          | 0.996        | 0.991                |
| Cervical cancer                                          | 0.996        | 0.969                |
| Neonatal encephalopathy due to birth asphyxia and trauma | 0.994        | 0.994                |
| Tuberculosis                                             | 0.993        | 0.986                |
| Tracheal, bronchus, and lung cancer                      | 0.991        | 0.978                |
| Lower respiratory infections                             | 0.991        | 0.990                |
| Cardiovascular diseases                                  | 0.990        | 0.985                |
| Chronic respiratory diseases                             | 0.985        | 0.974                |
| Other cardiovascular and circulatory diseases            | 0.985        | 0.972                |
| Cerebrovascular disease                                  | 0.985        | 0.978                |
| Diarrheal diseases                                       | 0.984        | 0.978                |
| Breast cancer                                            | 0.984        | 0.977                |
| Chronic kidney disease                                   | 0.981        | 0.962                |
| Cirrhosis                                                | 0.979        | 0.959                |
| Ischemic heart disease                                   | 0.973        | 0.968                |
| Other unintentional injuries                             | 0.970        | 0.970                |
| Falls                                                    | 0.961        | 0.933                |
| <b>ALL CAUSE GROUPS</b>                                  | <b>0.957</b> | <b>0.946</b>         |
| Diabetes mellitus                                        | 0.956        | 0.933                |
| Transport injuries                                       | 0.928        | 0.910                |
| Other communicable diseases                              | 0.925        | 0.880                |
| Interpersonal violence                                   | 0.925        | 0.925                |
| Maternal disorders                                       | 0.919        | 0.901                |
| Neoplasms                                                | 0.908        | 0.820                |
| Other malignant neoplasms                                | 0.878        | 0.754                |
| Drowning                                                 | 0.869        | 0.907                |
| Malaria                                                  | 0.835        | 0.558                |
| HIV/AIDS                                                 | 0.819        | 0.823                |
| Self-harm                                                | 0.794        | 0.746                |

# Aim 2 Supplementary Tables

Supplementary Table 11. Age/sex-specific deaths, cause-specific mortality rates (CSMR), and cause fractions (CF) in aggregated age groups in Indonesia for each cause group.

| Cause group                                                | Age  | Males                         |                                  |                            | Females                       |                                  |                            |
|------------------------------------------------------------|------|-------------------------------|----------------------------------|----------------------------|-------------------------------|----------------------------------|----------------------------|
|                                                            |      | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)               | CSMR (95% UI)                    | CF (95% UI)                |
| Communicable, maternal, neonatal, and nutritional diseases | 0-4  | 70,916.2 (62,061.3, 80,810.3) | 0.0054849 (0.0048000, 0.0062501) | 0.79092 (0.77412, 0.80796) | 56,382.4 (50,127.4, 63,421.5) | 0.0045452 (0.0040409, 0.0051126) | 0.78944 (0.77300, 0.80498) |
| Diarrheal diseases                                         | 0-4  | 9,883.6 (8,342.2, 11,635.6)   | 0.0007644 (0.0006452, 0.0008999) | 0.11028 (0.09689, 0.12502) | 10,633.9 (8,989.4, 12,533.1)  | 0.0008572 (0.0007247, 0.0010103) | 0.14896 (0.13075, 0.16862) |
| HIV/AIDS                                                   | 0-4  | 821.4 (485.4, 1,273.2)        | 0.0000635 (0.0000375, 0.0000985) | 0.00917 (0.00536, 0.01424) | 625.1 (338.1, 1,006.9)        | 0.0000504 (0.0000273, 0.0000812) | 0.00877 (0.00472, 0.01404) |
| Lower respiratory infections                               | 0-4  | 12,847.7 (10,960.0, 14,865.6) | 0.0009937 (0.0008477, 0.0011497) | 0.14339 (0.12816, 0.15962) | 9,009.9 (7,647.9, 10,725.4)   | 0.0007263 (0.0006165, 0.0008646) | 0.12619 (0.11166, 0.14129) |
| Malaria                                                    | 0-4  | 324.3 (126.4, 662.7)          | 0.0000251 (0.0000098, 0.0000513) | 0.00363 (0.00140, 0.00726) | 257.6 (103.8, 521.3)          | 0.0000208 (0.0000084, 0.0000420) | 0.00362 (0.00142, 0.00749) |
| Tuberculosis                                               | 0-4  | 1,474.4 (1,054.3, 2,000.4)    | 0.000114 (0.0000815, 0.0001547)  | 0.01646 (0.01198, 0.02170) | 1,170.8 (798.9, 1,603.7)      | 0.0000944 (0.0000644, 0.0001293) | 0.01641 (0.01124, 0.02236) |
| Neonatal encephalopathy due to birth asphyxia and trauma   | 0-4  | 13,158.8 (10,754.5, 15,780.0) | 0.0010177 (0.0008318, 0.0012205) | 0.1466 (0.13105, 0.16380)  | 8,823.4 (7,104.0, 10,940.2)   | 0.0007113 (0.0005727, 0.0008819) | 0.12342 (0.10656, 0.14204) |
| Preterm birth complications                                | 0-4  | 13,023.8 (10,532.5, 15,728.8) | 0.0010073 (0.0008146, 0.0012165) | 0.14507 (0.12760, 0.16368) | 11,653.6 (9,461.5, 14,135.0)  | 0.0009394 (0.0007627, 0.0011395) | 0.163 (0.14172, 0.18403)   |
| Other neonatal disorders                                   | 0-4  | 5,510.0 (4,214.7, 6,840.2)    | 0.0004262 (0.0003260, 0.0005290) | 0.06146 (0.04982, 0.07405) | 3,598.7 (2,699.6, 4,708.7)    | 0.0002901 (0.0002176, 0.0003796) | 0.05043 (0.03843, 0.06454) |
| Other communicable diseases                                | 0-4  | 13,872.3 (11,990.4, 15,925.2) | 0.0010729 (0.0009274, 0.0012317) | 0.15486 (0.13878, 0.17227) | 10,609.5 (9,044.7, 12,357.0)  | 0.0008553 (0.0007291, 0.0009961) | 0.14864 (0.13122, 0.16627) |
| Non-communicable diseases                                  | 0-4  | 13,467.3 (11,343.5, 15,693.0) | 0.0010416 (0.0008773, 0.0012137) | 0.1502 (0.13545, 0.16383)  | 13,163.5 (11,320.8, 15,173.8) | 0.0010612 (0.0009126, 0.0012232) | 0.18431 (0.16912, 0.20047) |
| Other malignant neoplasms                                  | 0-4  | 756.9 (462.6, 1,163.5)        | 0.0000585 (0.0000358, 0.0000900) | 0.00844 (0.00525, 0.01262) | 659.2 (392.9, 1,028.3)        | 0.0000531 (0.0000317, 0.0000829) | 0.00923 (0.00561, 0.01428) |
| Neoplasms                                                  | 0-4  | 756.9 (462.6, 1,163.5)        | 0.0000585 (0.0000358, 0.0000900) | 0.00844 (0.00525, 0.01262) | 659.2 (392.9, 1,028.3)        | 0.0000531 (0.0000317, 0.0000829) | 0.00923 (0.00561, 0.01428) |
| Cardiovascular diseases                                    | 0-4  | 381.9 (186.8, 726.5)          | 0.0000295 (0.0000145, 0.0000562) | 0.00426 (0.00211, 0.00791) | 430.7 (206.7, 838.3)          | 0.0000347 (0.0000167, 0.0000676) | 0.00603 (0.00296, 0.01157) |
| Cerebrovascular disease                                    | 0-4  | 176.0 (58.2, 387.8)           | 0.0000136 (0.0000045, 0.0000300) | 0.00196 (0.00066, 0.00435) | 199.7 (67.4, 448.7)           | 0.0000161 (0.0000054, 0.0000362) | 0.00279 (0.00097, 0.00617) |
| Ischemic heart disease                                     | 0-4  | 48.6 (3.8, 226.6)             | 0.0000038 (0.0000003, 0.0000175) | 0.00054 (0.00004, 0.00245) | 60.7 (4.7, 285.9)             | 0.0000049 (0.0000004, 0.0000231) | 0.00085 (0.00007, 0.00407) |
| Other cardiovascular and circulatory diseases              | 0-4  | 157.3 (50.3, 363.7)           | 0.0000122 (0.0000039, 0.0000281) | 0.00176 (0.00055, 0.00408) | 170.3 (55.7, 382.0)           | 0.0000137 (0.0000045, 0.0000308) | 0.00238 (0.00077, 0.00535) |
| Diabetes mellitus                                          | 0-4  | 47.7 (0.3, 364.6)             | 0.0000037 (0.0000000, 0.0000282) | 0.00053 (0.00000, 0.00405) | 62.9 (0.4, 452.1)             | 0.0000051 (0.0000000, 0.0000364) | 0.00088 (0.00000, 0.00661) |
| Chronic kidney disease                                     | 0-4  | 370.5 (194.4, 635.7)          | 0.0000287 (0.0000150, 0.0000492) | 0.00414 (0.00220, 0.00708) | 366.5 (194.8, 642.6)          | 0.0000295 (0.0000157, 0.0000518) | 0.00514 (0.00269, 0.00888) |
| Cirrhosis                                                  | 0-4  | 145.2 (60.4, 280.9)           | 0.0000112 (0.0000047, 0.0000217) | 0.00162 (0.00069, 0.00315) | 85.3 (36.0, 168.5)            | 0.0000069 (0.0000029, 0.0000136) | 0.0012 (0.00052, 0.00236)  |
| Chronic respiratory diseases                               | 0-4  | 280.6 (143.4, 467.6)          | 0.0000217 (0.0000111, 0.0000362) | 0.00314 (0.00158, 0.00525) | 129.2 (61.5, 230.4)           | 0.0000104 (0.0000049, 0.0000186) | 0.00181 (0.00088, 0.00322) |
| Other non-communicable diseases                            | 0-4  | 11,484.4 (9,596.8, 13,506.0)  | 0.0008882 (0.0007422, 0.0010446) | 0.12807 (0.11423, 0.14070) | 11,429.8 (9,663.6, 13,289.0)  | 0.0009214 (0.0007790, 0.0010713) | 0.16002 (0.14503, 0.17599) |
| Injuries                                                   | 0-4  | 5,272.2 (4,225.0, 6,500.5)    | 0.0004078 (0.0003268, 0.0005028) | 0.05888 (0.04810, 0.07255) | 1,873.8 (1,466.4, 2,371.5)    | 0.0001511 (0.0001182, 0.0001912) | 0.02625 (0.02084, 0.03218) |
| Drowning                                                   | 0-4  | 1,352.6 (945.8, 1,847.6)      | 0.0001046 (0.0000732, 0.0001429) | 0.0151 (0.01046, 0.02063)  | 405.8 (260.9, 587.0)          | 0.0000327 (0.0000210, 0.0000473) | 0.00569 (0.00369, 0.00823) |
| Falls                                                      | 0-4  | 642.4 (393.2, 975.1)          | 0.0000497 (0.0000304, 0.0000754) | 0.00717 (0.00446, 0.01059) | 255.1 (149.4, 398.7)          | 0.0000206 (0.0000120, 0.0000321) | 0.00357 (0.00215, 0.00557) |
| Interpersonal violence                                     | 0-4  | 234.9 (107.5, 449.3)          | 0.0000182 (0.0000083, 0.0000348) | 0.00263 (0.00121, 0.00493) | 154.4 (68.6, 283.7)           | 0.0000124 (0.0000055, 0.0000229) | 0.00216 (0.00098, 0.00390) |
| Transport injuries                                         | 0-4  | 1,192.2 (787.0, 1,673.8)      | 0.0000922 (0.0000609, 0.0001295) | 0.01332 (0.00903, 0.01876) | 354.7 (224.3, 506.4)          | 0.0000286 (0.0000181, 0.0000408) | 0.00497 (0.00319, 0.00699) |
| Other unintentional injuries                               | 0-4  | 1,850.2 (1,303.8, 2,480.1)    | 0.0001431 (0.0001008, 0.0001918) | 0.02066 (0.01497, 0.02754) | 703.9 (502.1, 976.3)          | 0.0000567 (0.0000405, 0.0000787) | 0.00986 (0.00710, 0.01318) |
| Diarrheal diseases                                         | 5-14 | 1,356.8 (1,097.0, 1,686.9)    | 0.0000539 (0.0000435, 0.0000670) | 0.0689 (0.05603, 0.08519)  | 1,271.5 (1,031.9, 1,545.8)    | 0.0000534 (0.0000433, 0.0000649) | 0.09977 (0.08064, 0.12039) |
| Communicable, maternal, neonatal, and nutritional diseases | 5-14 | 8,016.4 (7,342.7, 8,769.9)    | 0.0003182 (0.0002915, 0.0003481) | 0.40711 (0.38047, 0.43300) | 5,720.6 (5,286.0, 6,205.0)    | 0.0002401 (0.0002218, 0.0002604) | 0.44891 (0.41967, 0.47760) |
| HIV/AIDS                                                   | 5-14 | 223.9 (114.1, 387.8)          | 0.0000089 (0.0000045, 0.0000154) | 0.01137 (0.00586, 0.01969) | 149.2 (77.3, 255.3)           | 0.0000063 (0.0000032, 0.0000107) | 0.01171 (0.00606, 0.02002) |
| Lower respiratory infections                               | 5-14 | 1,507.4 (1,198.9, 1,814.4)    | 0.0000598 (0.0000476, 0.0000720) | 0.07655 (0.06176, 0.09139) | 985.6 (790.6, 1,197.6)        | 0.0000414 (0.0000332, 0.0000503) | 0.07734 (0.06215, 0.09301) |
| Malaria                                                    | 5-14 | 73.8 (38.0, 135.5)            | 0.0000029 (0.0000015, 0.0000054) | 0.00375 (0.00191, 0.00691) | 52.4 (27.4, 95.5)             | 0.0000022 (0.0000012, 0.0000040) | 0.00411 (0.00213, 0.00738) |
| Tuberculosis                                               | 5-14 | 877.0 (678.9, 1,101.9)        | 0.0000348 (0.0000270, 0.0000437) | 0.04454 (0.03495, 0.05529) | 597.8 (469.8, 731.2)          | 0.0000251 (0.0000197, 0.0000307) | 0.04692 (0.03715, 0.05755) |
| Maternal disorders                                         | 5-14 | (., .)                        | (., .)                           | (., .)                     | 31.4 (5.7, 80.2)              | 0.0000013 (0.0000002, 0.0000034) | 0.00247 (0.00044, 0.00623) |
| Other communicable diseases                                | 5-14 | 3,977.5 (3,468.0, 4,488.3)    | 0.0001579 (0.0001377, 0.0001782) | 0.20199 (0.17920, 0.22481) | 2,632.7 (2,280.0, 2,991.5)    | 0.0001105 (0.0000957, 0.0001255) | 0.20659 (0.18192, 0.23266) |
| Non-communicable diseases                                  | 5-14 | 5,090.5 (4,535.2, 5,719.1)    | 0.0002021 (0.0001800, 0.0002270) | 0.25852 (0.23371, 0.28538) | 4,491.4 (4,072.1, 4,976.9)    | 0.0001885 (0.0001709, 0.0002089) | 0.35244 (0.32018, 0.38494) |
| Other malignant neoplasms                                  | 5-14 | 988.0 (740.9, 1,284.9)        | 0.0000392 (0.0000294, 0.0000510) | 0.05017 (0.03827, 0.06558) | 896.9 (693.2, 1,131.5)        | 0.0000376 (0.0000291, 0.0000475) | 0.07038 (0.05486, 0.08905) |
| Neoplasms                                                  | 5-14 | 988.0 (740.9, 1,284.9)        | 0.0000392 (0.0000294, 0.0000510) | 0.05017 (0.03827, 0.06558) | 896.9 (693.2, 1,131.5)        | 0.0000376 (0.0000291, 0.0000475) | 0.07038 (0.05486, 0.08905) |
| Cardiovascular diseases                                    | 5-14 | 535.0 (391.6, 728.7)          | 0.0000212 (0.0000155, 0.0000289) | 0.02717 (0.01992, 0.03689) | 575.8 (430.4, 741.3)          | 0.0000242 (0.0000181, 0.0000311) | 0.04518 (0.03365, 0.05817) |
| Cerebrovascular disease                                    | 5-14 | 193.3 (117.9, 304.7)          | 0.0000077 (0.0000047, 0.0000121) | 0.00982 (0.00605, 0.01539) | 213.1 (129.3, 317.4)          | 0.0000089 (0.0000054, 0.0000133) | 0.01672 (0.01018, 0.02488) |
| Ischemic heart disease                                     | 5-14 | 168.9 (97.8, 274.4)           | 0.0000067 (0.0000039, 0.0000109) | 0.00858 (0.00507, 0.01375) | 180.9 (108.2, 280.5)          | 0.0000076 (0.0000045, 0.0000118) | 0.01419 (0.00851, 0.02189) |
| Other cardiovascular and circulatory diseases              | 5-14 | 172.8 (94.9, 293.0)           | 0.0000069 (0.0000038, 0.0000116) | 0.00878 (0.00486, 0.01476) | 181.7 (109.4, 291.6)          | 0.0000076 (0.0000046, 0.0000122) | 0.01426 (0.00861, 0.02274) |
| Diabetes mellitus                                          | 5-14 | 126.1 (65.6, 228.8)           | 0.000005 (0.0000026, 0.0000091)  | 0.00641 (0.00333, 0.01152) | 175.3 (94.7, 306.9)           | 0.0000074 (0.0000040, 0.0000129) | 0.01376 (0.00744, 0.02409) |
| Chronic kidney disease                                     | 5-14 | 349.5 (225.4, 505.5)          | 0.0000139 (0.0000089, 0.0000201) | 0.01775 (0.01144, 0.02558) | 317.9 (209.0, 454.7)          | 0.0000133 (0.0000088, 0.0000191) | 0.02495 (0.01661, 0.03525) |
| Cirrhosis                                                  | 5-14 | 579.9 (401.5, 804.0)          | 0.000023 (0.0000159, 0.0000319)  | 0.02946 (0.02028, 0.04044) | 293.5 (199.8, 412.1)          | 0.0000123 (0.0000084, 0.0000173) | 0.02303 (0.01560, 0.03227) |
| Chronic respiratory diseases                               | 5-14 | 436.8 (294.8, 615.7)          | 0.0000173 (0.0000117, 0.0000244) | 0.02218 (0.01521, 0.03120) | 175.2 (113.8, 260.9)          | 0.0000074 (0.0000048, 0.0000109) | 0.01375 (0.00897, 0.02022) |
| Other non-communicable diseases                            | 5-14 | 2,075.0 (1,732.8, 2,427.3)    | 0.0000824 (0.0000688, 0.0000964) | 0.10538 (0.08898, 0.12322) | 2,056.8 (1,743.3, 2,383.3)    | 0.0000863 (0.0000732, 0.0001000) | 0.16139 (0.13819, 0.18548) |
| Injuries                                                   | 5-14 | 6,583.4 (5,959.2, 7,229.7)    | 0.0002613 (0.0002366, 0.0002870) | 0.33437 (0.30695, 0.36148) | 2,531.2 (2,210.9, 2,881.6)    | 0.0001062 (0.0000928, 0.0001209) | 0.19865 (0.17398, 0.22419) |
| Drowning                                                   | 5-14 | 2,241.5 (1,843.7, 2,716.2)    | 0.000089 (0.0000732, 0.0001078)  | 0.11385 (0.09394, 0.13675) | 804.5 (602.2, 1,021.1)        | 0.0000338 (0.0000253, 0.0000429) | 0.06314 (0.04695, 0.07965) |
| Falls                                                      | 5-14 | 497.8 (333.4, 717.7)          | 0.0000198 (0.0000132, 0.0000285) | 0.02529 (0.01709, 0.03686) | 221.6 (151.9, 323.4)          | 0.0000093 (0.0000064, 0.0000136) | 0.0174 (0.01200, 0.02550)  |
| Interpersonal violence                                     | 5-14 | 100.9 (54.8, 175.4)           | 0.000004 (0.0000022, 0.0000070)  | 0.00512 (0.00283, 0.00897) | 76.6 (44.0, 125.2)            | 0.0000032 (0.0000018, 0.0000052) | 0.00601 (0.00345, 0.00982) |

Aim 2 Supplementary Tables

| Cause group                                                | Age   | Males                            |                                  |                            | Females                          |                                  |                            |
|------------------------------------------------------------|-------|----------------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|
|                                                            |       | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                |
| Self-harm                                                  | 5-14  | 132.1 (67.8, 227.7)              | 0.0000052 (0.0000027, 0.0000090) | 0.00672 (0.00348, 0.01172) | 82.3 (43.8, 134.0)               | 0.0000034 (0.0000018, 0.0000056) | 0.00646 (0.00345, 0.01048) |
| Transport injuries                                         | 5-14  | 2,854.4 (2,424.6, 3,315.5)       | 0.0001133 (0.0000962, 0.0001316) | 0.14496 (0.12471, 0.16538) | 1,015.9 (820.8, 1,240.2)         | 0.0000426 (0.0000344, 0.0000520) | 0.07972 (0.06462, 0.09669) |
| Other unintentional injuries                               | 5-14  | 756.8 (566.7, 1,010.5)           | 0.00003 (0.0000225, 0.0000401)   | 0.03844 (0.02899, 0.05099) | 330.3 (245.4, 437.8)             | 0.0000139 (0.0000103, 0.0000184) | 0.02592 (0.01932, 0.03417) |
| Diarrheal diseases                                         | 15-49 | 3,389.0 (2,911.3, 3,920.2)       | 0.0000482 (0.0000414, 0.0000557) | 0.01805 (0.01556, 0.02055) | 2,676.8 (2,306.8, 3,069.4)       | 0.0000385 (0.0000332, 0.0000441) | 0.02246 (0.01948, 0.02568) |
| Communicable, maternal, neonatal, and nutritional diseases | 15-49 | 43,899.9 (41,341.9, 46,593.7)    | 0.0006239 (0.0005876, 0.0006622) | 0.23387 (0.22645, 0.24095) | 26,476.9 (24,799.6, 28,148.9)    | 0.0003806 (0.0003565, 0.0004047) | 0.22218 (0.21417, 0.23033) |
| HIV/AIDS                                                   | 15-49 | 3,373.4 (2,817.8, 3,999.2)       | 0.0000479 (0.0000400, 0.0000568) | 0.01797 (0.01499, 0.02136) | 1,737.0 (1,396.4, 2,127.4)       | 0.000025 (0.0000201, 0.0000306)  | 0.01458 (0.01174, 0.01790) |
| Lower respiratory infections                               | 15-49 | 2,653.5 (2,221.7, 3,121.1)       | 0.0000377 (0.0000316, 0.0000444) | 0.01414 (0.01194, 0.01656) | 1,362.6 (1,109.3, 1,655.9)       | 0.0000196 (0.0000159, 0.0000238) | 0.01143 (0.00936, 0.01371) |
| Malaria                                                    | 15-49 | 1,000.8 (726.7, 1,359.2)         | 0.0000142 (0.0000103, 0.0000193) | 0.00533 (0.00388, 0.00727) | 581.3 (385.0, 845.1)             | 0.0000084 (0.0000055, 0.0000121) | 0.00488 (0.00318, 0.00712) |
| Tuberculosis                                               | 15-49 | 21,971.8 (20,338.4, 23,677.3)    | 0.0003123 (0.0002891, 0.0003365) | 0.11705 (0.11078, 0.12351) | 9,505.9 (8,668.4, 10,347.3)      | 0.0001367 (0.0001246, 0.0001487) | 0.07976 (0.07410, 0.08554) |
| Maternal disorders                                         | 15-49 | (., .)                           | (., .)                           | (., .)                     | 4,503.6 (3,976.2, 5,060.3)       | 0.0000647 (0.0000572, 0.0000727) | 0.03779 (0.03397, 0.04190) |
| Other communicable diseases                                | 15-49 | 11,511.5 (10,556.5, 12,582.4)    | 0.0001636 (0.0001500, 0.0001788) | 0.06133 (0.05703, 0.06606) | 6,109.8 (5,528.1, 6,784.0)       | 0.0000878 (0.0000795, 0.0000975) | 0.05127 (0.04674, 0.05595) |
| Non-communicable diseases                                  | 15-49 | 107,054.4 (101,460.5, 113,191.1) | 0.0015215 (0.0014420, 0.0016087) | 0.57029 (0.56240, 0.57841) | 80,515.5 (76,234.9, 85,236.5)    | 0.0011574 (0.0010959, 0.0012253) | 0.67559 (0.66628, 0.68441) |
| Tracheal, bronchus, and lung cancer                        | 15-49 | 1,821.0 (1,468.0, 2,251.4)       | 0.0000259 (0.0000209, 0.0000320) | 0.0097 (0.00793, 0.01196)  | 765.4 (567.9, 1,009.5)           | 0.000011 (0.0000082, 0.0000145)  | 0.00642 (0.00473, 0.00846) |
| Breast cancer                                              | 15-49 | 128.3 (62.4, 256.2)              | 0.0000018 (0.0000009, 0.0000036) | 0.00068 (0.00033, 0.00138) | 7,178.3 (6,390.2, 8,046.9)       | 0.0001032 (0.0000919, 0.0001157) | 0.06023 (0.05478, 0.06650) |
| Cervical cancer                                            | 15-49 | (., .)                           | (., .)                           | (., .)                     | 4,253.7 (3,623.1, 4,950.7)       | 0.0000611 (0.0000521, 0.0000712) | 0.03569 (0.03091, 0.04084) |
| Other malignant neoplasms                                  | 15-49 | 13,245.1 (12,120.7, 14,463.4)    | 0.0001882 (0.0001723, 0.0002056) | 0.07056 (0.06552, 0.07549) | 7,662.1 (6,896.1, 8,462.8)       | 0.0001101 (0.0000991, 0.0001217) | 0.0643 (0.05881, 0.07031)  |
| Neoplasms                                                  | 15-49 | 15,194.4 (14,017.3, 16,468.8)    | 0.0002159 (0.0001992, 0.0002341) | 0.08094 (0.07584, 0.08610) | 19,859.5 (18,446.2, 21,347.1)    | 0.0002855 (0.0002652, 0.0003069) | 0.16665 (0.15780, 0.17529) |
| Cardiovascular diseases                                    | 15-49 | 44,697.2 (42,051.2, 47,799.0)    | 0.0006352 (0.0005976, 0.0006793) | 0.2381 (0.23087, 0.24545)  | 28,238.0 (26,273.9, 30,292.4)    | 0.0004059 (0.0003777, 0.0004355) | 0.23693 (0.22859, 0.24526) |
| Cerebrovascular disease                                    | 15-49 | 17,412.4 (16,138.0, 18,922.4)    | 0.0002475 (0.0002294, 0.0002689) | 0.09276 (0.08762, 0.09771) | 13,411.7 (12,387.0, 14,533.2)    | 0.0001928 (0.0001781, 0.0002089) | 0.11253 (0.10620, 0.11824) |
| Ischemic heart disease                                     | 15-49 | 22,573.1 (21,036.4, 24,235.5)    | 0.0003208 (0.0002990, 0.0003444) | 0.12025 (0.11475, 0.12574) | 10,619.6 (9,746.9, 11,623.0)     | 0.0001527 (0.0001401, 0.0001671) | 0.0891 (0.08332, 0.09441)  |
| Other cardiovascular and circulatory diseases              | 15-49 | 4,711.7 (4,183.4, 5,314.8)       | 0.0000067 (0.0000059, 0.0000755) | 0.0251 (0.02260, 0.02802)  | 4,206.7 (3,642.7, 4,766.8)       | 0.0000605 (0.0000524, 0.0000685) | 0.0353 (0.03139, 0.03964)  |
| Diabetes mellitus                                          | 15-49 | 7,312.1 (6,637.0, 8,070.1)       | 0.0001039 (0.0000943, 0.0001147) | 0.03895 (0.03589, 0.04213) | 7,716.5 (7,051.6, 8,535.2)       | 0.0001109 (0.0001014, 0.0001227) | 0.06475 (0.05965, 0.06974) |
| Chronic kidney disease                                     | 15-49 | 6,436.0 (5,739.9, 7,169.5)       | 0.0000915 (0.0000816, 0.0001019) | 0.03429 (0.03093, 0.03803) | 4,537.0 (4,014.2, 5,140.6)       | 0.0000652 (0.0000577, 0.0000739) | 0.03807 (0.03422, 0.04223) |
| Cirrhosis                                                  | 15-49 | 11,485.9 (10,459.0, 12,566.8)    | 0.0001632 (0.0001486, 0.0001786) | 0.06118 (0.05701, 0.06582) | 5,129.9 (4,562.9, 5,716.5)       | 0.0000737 (0.0000656, 0.0000822) | 0.04304 (0.03874, 0.04733) |
| Chronic respiratory diseases                               | 15-49 | 6,982.7 (6,295.2, 7,789.9)       | 0.0000992 (0.0000895, 0.0001107) | 0.0372 (0.03398, 0.04066)  | 3,717.8 (3,268.7, 4,204.3)       | 0.0000534 (0.0000470, 0.0000604) | 0.0312 (0.02777, 0.03509)  |
| Other non-communicable diseases                            | 15-49 | 14,946.0 (13,838.0, 16,217.0)    | 0.0002124 (0.0001967, 0.0002305) | 0.07962 (0.07471, 0.08435) | 11,316.7 (10,337.9, 12,290.2)    | 0.0001627 (0.0001486, 0.0001767) | 0.09496 (0.08911, 0.10101) |
| Injuries                                                   | 15-49 | 36,761.1 (34,656.0, 39,160.7)    | 0.0005225 (0.0004925, 0.0005566) | 0.19584 (0.18874, 0.20329) | 12,181.3 (11,247.3, 13,110.0)    | 0.0001751 (0.0001617, 0.0001885) | 0.10223 (0.09620, 0.10897) |
| Drowning                                                   | 15-49 | 2,190.4 (1,763.3, 2,669.1)       | 0.0000311 (0.0000251, 0.0000379) | 0.01167 (0.00944, 0.01418) | 697.0 (508.8, 908.4)             | 0.00001 (0.0000073, 0.0000131)   | 0.00585 (0.00421, 0.00760) |
| Falls                                                      | 15-49 | 2,842.8 (2,406.8, 3,361.9)       | 0.0000404 (0.0000342, 0.0000478) | 0.01515 (0.01291, 0.01787) | 1,151.4 (923.5, 1,404.4)         | 0.0000166 (0.0000133, 0.0000202) | 0.00966 (0.00782, 0.01173) |
| Interpersonal violence                                     | 15-49 | 1,131.2 (859.0, 1,491.9)         | 0.0000161 (0.0000122, 0.0000212) | 0.00603 (0.00455, 0.00795) | 643.3 (433.1, 895.9)             | 0.0000093 (0.0000062, 0.0000129) | 0.0054 (0.00361, 0.00745)  |
| Self-harm                                                  | 15-49 | 1,799.5 (1,436.8, 2,228.4)       | 0.0000256 (0.0000204, 0.0000317) | 0.00959 (0.00770, 0.01179) | 843.1 (626.8, 1,124.9)           | 0.0000121 (0.0000090, 0.0000162) | 0.00708 (0.00519, 0.00940) |
| Transport injuries                                         | 15-49 | 23,323.4 (21,686.2, 25,108.1)    | 0.0003315 (0.0003082, 0.0003568) | 0.12425 (0.11787, 0.13068) | 6,999.7 (6,334.7, 7,693.8)       | 0.0001006 (0.0000911, 0.0001106) | 0.05874 (0.05368, 0.06412) |
| Other unintentional injuries                               | 15-49 | 5,473.7 (4,829.3, 6,249.6)       | 0.0000778 (0.0000686, 0.0000888) | 0.02916 (0.02592, 0.03294) | 1,846.9 (1,509.6, 2,213.6)       | 0.0000265 (0.0000217, 0.0000318) | 0.0155 (0.01276, 0.01844)  |
| Diarrheal diseases                                         | 50-69 | 5,277.7 (4,676.4, 5,978.9)       | 0.0003197 (0.0002833, 0.0003621) | 0.02076 (0.01880, 0.02290) | 5,938.2 (5,341.8, 6,565.4)       | 0.000365 (0.0003283, 0.0004035)  | 0.03104 (0.02832, 0.03372) |
| Communicable, maternal, neonatal, and nutritional diseases | 50-69 | 36,856.9 (34,280.9, 39,537.7)    | 0.0022325 (0.0020765, 0.0023949) | 0.14501 (0.14041, 0.14987) | 26,685.2 (24,995.8, 28,400.2)    | 0.0016401 (0.0015363, 0.0017455) | 0.13951 (0.13462, 0.14446) |
| HIV/AIDS                                                   | 50-69 | 232.3 (139.3, 353.5)             | 0.0000141 (0.0000084, 0.0000214) | 0.00091 (0.00055, 0.00136) | 178.1 (106.6, 282.7)             | 0.0000109 (0.0000065, 0.0000174) | 0.00093 (0.00056, 0.00144) |
| Lower respiratory infections                               | 50-69 | 3,941.5 (3,447.1, 4,481.8)       | 0.0002387 (0.0002088, 0.0002715) | 0.01551 (0.01366, 0.01732) | 3,453.5 (3,023.5, 3,913.7)       | 0.0002123 (0.0001858, 0.0002405) | 0.01806 (0.01595, 0.02021) |
| Malaria                                                    | 50-69 | 552.4 (393.9, 738.7)             | 0.0000335 (0.0000239, 0.0000447) | 0.00218 (0.00154, 0.00291) | 360.2 (236.4, 531.3)             | 0.0000221 (0.0000145, 0.0000327) | 0.00188 (0.00125, 0.00280) |
| Tuberculosis                                               | 50-69 | 21,062.0 (19,388.6, 22,784.4)    | 0.0012758 (0.0011744, 0.0013801) | 0.08287 (0.07904, 0.08701) | 11,780.2 (10,867.9, 12,807.1)    | 0.000724 (0.0006679, 0.0007871)  | 0.06159 (0.05762, 0.06550) |
| Maternal disorders                                         | 50-69 | (., .)                           | (., .)                           | (., .)                     | 46.5 (17.5, 106.7)               | 0.0000029 (0.0000011, 0.0000066) | 0.00024 (0.00009, 0.00058) |
| Other communicable diseases                                | 50-69 | 5,791.0 (5,134.4, 6,459.6)       | 0.0003508 (0.0003110, 0.0003913) | 0.02278 (0.02072, 0.02494) | 4,928.5 (4,386.3, 5,536.8)       | 0.0003029 (0.0002696, 0.0003406) | 0.02576 (0.02324, 0.02848) |
| Non-communicable diseases                                  | 50-69 | 205,537.0 (190,744.1, 220,633.0) | 0.0124497 (0.0115537, 0.0133641) | 0.80856 (0.80314, 0.81411) | 159,727.8 (151,269.5, 169,339.0) | 0.009817 (0.0092971, 0.0104077)  | 0.83504 (0.82998, 0.84031) |
| Tracheal, bronchus, and lung cancer                        | 50-69 | 3,701.7 (3,183.6, 4,302.9)       | 0.0002242 (0.0001928, 0.0002606) | 0.01456 (0.01270, 0.01666) | 995.3 (784.3, 1,219.1)           | 0.0000612 (0.0000482, 0.0000749) | 0.0052 (0.00409, 0.00641)  |
| Breast cancer                                              | 50-69 | 166.7 (93.0, 269.7)              | 0.0000101 (0.0000056, 0.0000163) | 0.00066 (0.00037, 0.00106) | 5,789.6 (5,181.7, 6,428.4)       | 0.0003558 (0.0003185, 0.0003951) | 0.03027 (0.02720, 0.03358) |
| Cervical cancer                                            | 50-69 | (., .)                           | (., .)                           | (., .)                     | 3,954.8 (3,415.8, 4,547.7)       | 0.0002431 (0.0002099, 0.0002795) | 0.02067 (0.01813, 0.02363) |
| Other malignant neoplasms                                  | 50-69 | 11,416.2 (10,340.2, 12,596.7)    | 0.0006915 (0.0006263, 0.0007630) | 0.04491 (0.04211, 0.04792) | 6,838.8 (6,162.4, 7,491.9)       | 0.0004203 (0.0003787, 0.0004605) | 0.03575 (0.03274, 0.03859) |
| Neoplasms                                                  | 50-69 | 15,284.6 (13,838.7, 16,777.2)    | 0.0009258 (0.0008382, 0.0010162) | 0.06013 (0.05675, 0.06393) | 17,578.6 (16,269.3, 18,881.9)    | 0.0010804 (0.0009999, 0.0011605) | 0.0919 (0.08729, 0.09659)  |
| Cardiovascular diseases                                    | 50-69 | 114,022.5 (105,370.1, 122,484.7) | 0.0069065 (0.0063824, 0.0074191) | 0.44854 (0.44160, 0.45559) | 83,235.3 (78,496.3, 88,512.6)    | 0.0051157 (0.0048244, 0.0054400) | 0.43513 (0.42740, 0.44266) |
| Cerebrovascular disease                                    | 50-69 | 54,421.5 (50,112.9, 58,692.4)    | 0.0032964 (0.0030354, 0.0035551) | 0.21408 (0.20777, 0.22003) | 46,655.5 (43,841.2, 49,559.4)    | 0.0028675 (0.0026945, 0.0030460) | 0.24391 (0.23718, 0.25080) |
| Ischemic heart disease                                     | 50-69 | 47,973.2 (44,304.1, 51,677.9)    | 0.0029058 (0.0026836, 0.0031302) | 0.18872 (0.18282, 0.19462) | 25,815.1 (24,032.8, 27,872.3)    | 0.0015866 (0.0014771, 0.0017131) | 0.13495 (0.12935, 0.14100) |
| Other cardiovascular and circulatory diseases              | 50-69 | 11,627.7 (10,535.5, 12,834.3)    | 0.0007043 (0.0006382, 0.0007774) | 0.04574 (0.04253, 0.04915) | 10,764.7 (9,901.4, 11,810.0)     | 0.0006616 (0.0006085, 0.0007259) | 0.05628 (0.05263, 0.06041) |
| Diabetes mellitus                                          | 50-69 | 20,602.2 (18,934.5, 22,400.5)    | 0.0012479 (0.0011469, 0.0013568) | 0.08105 (0.07693, 0.08527) | 22,396.3 (20,925.9, 24,168.7)    | 0.0013765 (0.0012861, 0.0014854) | 0.11709 (0.11186, 0.12295) |
| Chronic kidney disease                                     | 50-69 | 7,633.8 (6,815.4, 8,552.3)       | 0.0004624 (0.0004128, 0.0005180) | 0.03003 (0.02749, 0.03281) | 5,314.3 (4,746.2, 5,883.6)       | 0.0003266 (0.0002917, 0.0003616) | 0.02778 (0.02528, 0.03030) |
| Cirrhosis                                                  | 50-69 | 12,596.3 (11,405.0, 13,958.8)    | 0.000763 (0.0006908, 0.0008455)  | 0.04955 (0.04607, 0.05285) | 6,635.5 (6,009.5, 7,309.1)       | 0.0004078 (0.0003694, 0.0004492) | 0.03469 (0.03193, 0.03770) |

Aim 2 Supplementary Tables

| Cause group                                                | Age   | Males                            |                                  |                            | Females                          |                                  |                            |
|------------------------------------------------------------|-------|----------------------------------|----------------------------------|----------------------------|----------------------------------|----------------------------------|----------------------------|
|                                                            |       | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                | Deaths (95% UI)                  | CSMR (95% UI)                    | CF (95% UI)                |
| Chronic respiratory diseases                               | 50-69 | 18,141.4 (16,681.3, 19,727.6)    | 0.0010989 (0.0010104, 0.0011949) | 0.07137 (0.06746, 0.07548) | 10,056.8 (9,272.9, 10,932.4)     | 0.0006181 (0.0005699, 0.0006719) | 0.05258 (0.04883, 0.05623) |
| Other non-communicable diseases                            | 50-69 | 17,256.3 (15,738.2, 18,771.8)    | 0.0010452 (0.0009533, 0.0011370) | 0.06788 (0.06418, 0.07132) | 14,511.1 (13,417.1, 15,696.8)    | 0.0008919 (0.0008246, 0.0009647) | 0.07586 (0.07179, 0.08015) |
| Injuries                                                   | 50-69 | 11,801.0 (10,719.2, 12,938.4)    | 0.0007148 (0.0006493, 0.0007837) | 0.04643 (0.04324, 0.04981) | 4,867.9 (4,419.9, 5,382.6)       | 0.0002992 (0.0002716, 0.0003308) | 0.02545 (0.02334, 0.02799) |
| Drowning                                                   | 50-69 | 359.7 (236.0, 523.9)             | 0.0000218 (0.0000143, 0.0000317) | 0.00142 (0.00093, 0.00204) | 190.7 (113.5, 289.3)             | 0.0000117 (0.0000070, 0.0000178) | 0.001 (0.00060, 0.00153)   |
| Falls                                                      | 50-69 | 2,752.3 (2,313.0, 3,189.4)       | 0.0001667 (0.0001401, 0.0001932) | 0.01083 (0.00922, 0.01246) | 1,565.3 (1,315.9, 1,869.9)       | 0.0000962 (0.0000809, 0.0001149) | 0.00818 (0.00683, 0.00970) |
| Interpersonal violence                                     | 50-69 | 266.1 (175.7, 383.4)             | 0.0000161 (0.0000106, 0.0000232) | 0.00105 (0.00069, 0.00150) | 133.9 (82.5, 206.3)              | 0.0000082 (0.0000051, 0.0000127) | 0.0007 (0.00043, 0.00108)  |
| Self-harm                                                  | 50-69 | 697.3 (529.8, 904.4)             | 0.0000422 (0.0000321, 0.0000548) | 0.00274 (0.00211, 0.00353) | 266.5 (186.3, 371.1)             | 0.0000164 (0.0000115, 0.0000228) | 0.00139 (0.00098, 0.00194) |
| Transport injuries                                         | 50-69 | 5,626.6 (4,979.3, 6,357.6)       | 0.0003408 (0.0003016, 0.0003851) | 0.02214 (0.01991, 0.02450) | 1,929.1 (1,650.6, 2,238.3)       | 0.0001186 (0.0001014, 0.0001376) | 0.01009 (0.00874, 0.01158) |
| Other unintentional injuries                               | 50-69 | 2,099.0 (1,735.5, 2,475.2)       | 0.0001271 (0.0001051, 0.0001499) | 0.00826 (0.00693, 0.00969) | 782.5 (631.9, 948.7)             | 0.0000481 (0.0000388, 0.0000583) | 0.00409 (0.00332, 0.00498) |
| Diarrheal diseases                                         | 70+   | 13,872.1 (12,591.8, 15,216.7)    | 0.0042989 (0.0039022, 0.0047156) | 0.0601 (0.05597, 0.06388)  | 21,636.6 (20,005.2, 23,158.4)    | 0.005023 (0.0046442, 0.0053762)  | 0.07736 (0.07263, 0.08188) |
| Communicable, maternal, neonatal, and nutritional diseases | 70+   | 42,484.8 (39,281.2, 45,603.9)    | 0.0131659 (0.0121731, 0.0141325) | 0.18407 (0.17808, 0.18989) | 50,413.6 (47,693.0, 53,000.6)    | 0.0117036 (0.0110720, 0.0123041) | 0.18024 (0.17433, 0.18630) |
| HIV/AIDS                                                   | 70+   | 130.7 (64.9, 227.6)              | 0.0000405 (0.0000201, 0.0000705) | 0.00057 (0.00028, 0.00098) | 146.7 (73.8, 268.5)              | 0.0000341 (0.0000171, 0.0000623) | 0.00052 (0.00026, 0.00097) |
| Lower respiratory infections                               | 70+   | 6,285.1 (5,535.1, 7,090.3)       | 0.0019477 (0.0017153, 0.0021973) | 0.02723 (0.02437, 0.03038) | 8,453.2 (7,581.4, 9,422.4)       | 0.0019624 (0.0017600, 0.0021874) | 0.03022 (0.02730, 0.03344) |
| Malaria                                                    | 70+   | 428.0 (277.9, 638.7)             | 0.0001326 (0.0000861, 0.0001979) | 0.00186 (0.00119, 0.00282) | 349.6 (202.7, 562.8)             | 0.0000812 (0.0000470, 0.0001306) | 0.00125 (0.00073, 0.00199) |
| Tuberculosis                                               | 70+   | 16,996.3 (15,471.3, 18,476.5)    | 0.0052671 (0.0047945, 0.0057258) | 0.07364 (0.06926, 0.07789) | 14,100.7 (12,936.6, 15,320.1)    | 0.0032735 (0.0030032, 0.0035566) | 0.05041 (0.04688, 0.05411) |
| Other communicable diseases                                | 70+   | 4,772.7 (4,142.7, 5,408.4)       | 0.0014791 (0.0012838, 0.0016760) | 0.02068 (0.01835, 0.02306) | 5,726.8 (5,043.8, 6,517.7)       | 0.0013295 (0.0011709, 0.0015131) | 0.02047 (0.01810, 0.02306) |
| Non-communicable diseases                                  | 70+   | 180,857.1 (166,651.0, 193,703.8) | 0.0560471 (0.0516446, 0.0600282) | 0.78348 (0.77716, 0.78983) | 224,062.6 (213,754.6, 234,826.0) | 0.0520164 (0.0496234, 0.0545151) | 0.80103 (0.79475, 0.80737) |
| Tracheal, bronchus, and lung cancer                        | 70+   | 1,966.6 (1,599.0, 2,425.5)       | 0.0006094 (0.0004955, 0.0007517) | 0.00852 (0.00706, 0.01030) | 658.8 (466.4, 890.5)             | 0.0001529 (0.0001083, 0.0002067) | 0.00235 (0.00166, 0.00316) |
| Breast cancer                                              | 70+   | 51.1 (18.8, 105.0)               | 0.0000158 (0.0000058, 0.0000325) | 0.00022 (0.00008, 0.00046) | 1,793.6 (1,388.3, 2,257.0)       | 0.0004164 (0.0003223, 0.0005240) | 0.00641 (0.00502, 0.00798) |
| Cervical cancer                                            | 70+   | (., .)                           | (., .)                           | (., .)                     | 1,195.2 (889.2, 1,563.4)         | 0.0002775 (0.0002064, 0.0003629) | 0.00427 (0.00321, 0.00557) |
| Other malignant neoplasms                                  | 70+   | 4,598.4 (4,007.4, 5,212.9)       | 0.001425 (0.0012419, 0.0016155)  | 0.01992 (0.01794, 0.02209) | 5,909.0 (5,192.4, 6,678.0)       | 0.0013718 (0.0012054, 0.0015503) | 0.02113 (0.01877, 0.02378) |
| Neoplasms                                                  | 70+   | 6,616.1 (5,843.9, 7,413.6)       | 0.0020503 (0.0018110, 0.0022975) | 0.02866 (0.02604, 0.03139) | 9,556.6 (8,598.6, 10,564.2)      | 0.0022186 (0.0019962, 0.0024525) | 0.03416 (0.03107, 0.03715) |
| Cardiovascular diseases                                    | 70+   | 107,881.9 (99,402.0, 115,807.4)  | 0.0334323 (0.0308044, 0.0358884) | 0.46734 (0.45940, 0.47531) | 136,862.1 (130,240.6, 143,701.0) | 0.0317727 (0.0302355, 0.0333603) | 0.48927 (0.48114, 0.49728) |
| Cerebrovascular disease                                    | 70+   | 54,955.9 (50,275.5, 59,403.7)    | 0.0170307 (0.0155802, 0.0184090) | 0.23805 (0.23079, 0.24534) | 78,514.8 (73,912.2, 82,803.9)    | 0.0182273 (0.0171588, 0.0192230) | 0.28068 (0.27275, 0.28831) |
| Ischemic heart disease                                     | 70+   | 40,132.6 (36,704.6, 43,282.6)    | 0.012437 (0.0113746, 0.0134131)  | 0.17386 (0.16696, 0.18037) | 39,993.9 (37,483.1, 42,632.3)    | 0.0092846 (0.0087017, 0.0098971) | 0.14298 (0.13663, 0.14886) |
| Other cardiovascular and circulatory diseases              | 70+   | 12,793.3 (11,457.5, 14,172.6)    | 0.0039646 (0.0035507, 0.0043920) | 0.05542 (0.05133, 0.05991) | 18,353.4 (16,929.6, 20,127.3)    | 0.0042608 (0.0039302, 0.0046726) | 0.06561 (0.06111, 0.07045) |
| Diabetes mellitus                                          | 70+   | 8,817.4 (7,907.8, 9,688.6)       | 0.0027325 (0.0024506, 0.0030025) | 0.0382 (0.03544, 0.04093)  | 16,082.8 (14,767.4, 17,514.8)    | 0.0037336 (0.0034283, 0.0040661) | 0.0575 (0.05337, 0.06171)  |
| Chronic kidney disease                                     | 70+   | 4,558.1 (3,947.7, 5,245.1)       | 0.0014126 (0.0012234, 0.0016254) | 0.01974 (0.01772, 0.02209) | 5,059.0 (4,470.9, 5,735.6)       | 0.0011745 (0.0010379, 0.0013315) | 0.01809 (0.01609, 0.02026) |
| Cirrhosis                                                  | 70+   | 6,164.5 (5,438.5, 6,911.8)       | 0.0019104 (0.0016854, 0.0021419) | 0.0267 (0.02412, 0.02927)  | 5,471.6 (4,889.0, 6,182.2)       | 0.0012702 (0.0011350, 0.0014352) | 0.01956 (0.01760, 0.02175) |
| Chronic respiratory diseases                               | 70+   | 24,524.4 (22,562.7, 26,584.5)    | 0.0076 (0.0069921, 0.0082384)    | 0.10626 (0.10102, 0.11167) | 20,260.3 (18,952.0, 21,711.3)    | 0.0047034 (0.0043997, 0.0050403) | 0.07244 (0.06830, 0.07685) |
| Other non-communicable diseases                            | 70+   | 22,294.7 (20,235.9, 24,344.7)    | 0.0069091 (0.0062711, 0.0075443) | 0.09658 (0.09196, 0.10131) | 30,770.2 (28,788.5, 32,821.4)    | 0.0071433 (0.0066833, 0.0076195) | 0.11 (0.10480, 0.11516)    |
| Injuries                                                   | 70+   | 7,489.2 (6,639.1, 8,406.4)       | 0.0023209 (0.0020574, 0.0026051) | 0.03245 (0.02920, 0.03564) | 5,240.5 (4,697.4, 5,946.0)       | 0.0012166 (0.0010905, 0.0013804) | 0.01874 (0.01685, 0.02127) |
| Drowning                                                   | 70+   | 420.3 (276.8, 624.9)             | 0.0001302 (0.0000858, 0.0001937) | 0.00182 (0.00121, 0.00268) | 357.7 (224.7, 535.9)             | 0.0000831 (0.0000522, 0.0001244) | 0.00128 (0.00080, 0.00192) |
| Falls                                                      | 70+   | 3,087.6 (2,591.1, 3,607.0)       | 0.0009568 (0.0008030, 0.0011178) | 0.01338 (0.01137, 0.01559) | 2,772.0 (2,362.3, 3,234.7)       | 0.0006435 (0.0005484, 0.0007509) | 0.00991 (0.00846, 0.01153) |
| Interpersonal violence                                     | 70+   | 68.7 (26.8, 150.0)               | 0.0000213 (0.0000083, 0.0000465) | 0.0003 (0.00012, 0.00064)  | 47.3 (18.3, 113.1)               | 0.000011 (0.0000043, 0.0000262)  | 0.00017 (0.00007, 0.00040) |
| Self-harm                                                  | 70+   | 325.9 (208.9, 484.9)             | 0.000101 (0.0000647, 0.0001503)  | 0.00141 (0.00092, 0.00216) | 173.4 (100.8, 274.6)             | 0.0000402 (0.0000234, 0.0000638) | 0.00062 (0.00036, 0.00098) |
| Transport injuries                                         | 70+   | 2,383.6 (1,963.2, 2,854.3)       | 0.0007387 (0.0006084, 0.0008845) | 0.01033 (0.00859, 0.01222) | 1,230.9 (976.1, 1,538.9)         | 0.0002858 (0.0002266, 0.0003573) | 0.0044 (0.00348, 0.00547)  |
| Other unintentional injuries                               | 70+   | 1,203.2 (927.9, 1,525.6)         | 0.0003729 (0.0002876, 0.0004728) | 0.00521 (0.00401, 0.00650) | 659.2 (493.4, 885.2)             | 0.000153 (0.0001145, 0.0002055)  | 0.00236 (0.00175, 0.00315) |