Supplementary Figure 1. Population attributable fractions estimated for each risk factor or risk factor aggregate by sex and PAF estimation method. The proportions highlighted in orange represent the estimated PAFs by age.
IHD PAF attributable to Active smoking

Males

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Graphs by type
IHD PAF attributable to Active smoking
Females

Graphs by type

Aim 3 Supplementary Figures
IHD PAF attributable to Secondhand smoke

Males

Graphs by type
Aim 3 Supplementary Figures

IHD PAF attributable to Household air pollution

Males

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**Graphs by type**

IHD PAF attributable to Household air pollution

**Females**
### Aim 3 Supplementary Figures

**IHD PAF attributable to Ambient air pollution**

**Males**

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**Graphs by type**
IHD PAF attributable to Ambient air pollution

Females

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Graphs by type
Aim 3 Supplementary Figures

IHD PAF attributable to All smoking

Males

Graphs by type
IHD PAF attributable to All air pollution

Males

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Graphs by type

Aim 3 Supplementary Figures
IHD PAF attributable to All air pollution

Females

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Graphs by type
IHD PAF attributable to All smoking and air pollution

Aim 3 Supplementary Figures

Males

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Graphs by type
IHD PAF attributable to All smoking and air pollution

Females

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Graphs by type
Stroke PAF attributable to Active smoking

Males

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Aim 3 Supplementary Figures

Graphs by type
Stroke PAF attributable to Active smoking

Females

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Graphs by type
Stroke PAF attributable to Secondhand smoke

Males

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Graphs by type
Aim 3 Supplementary Figures

Stroke PAF attributable to Secondhand smoke

Females

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Graphs by type
Stroke PAF attributable to Household air pollution

Males

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Graphs by type
### Stroke PAF attributable to Ambient air pollution

#### Males

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**Graphs by type**

Aim 3 Supplementary Figures
Aim 3 Supplementary Figures

Stroke PAF attributable to Ambient air pollution

Females

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Graphs by type
Aim 3 Supplementary Figures

Stroke PAF attributable to All air pollution

Males

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Graphs by type
Stroke PAF attributable to All air pollution

Females

Aim 3 Supplementary Figures

Graphs by type
Independent Proportional PAF Additive Max

Stroke PAF attributable to All smoking and air pollution
Males

Aim 3 Supplementary Figures

Graphs by type
Stroke PAF attributable to All smoking and air pollution

Females

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Graphs by type
LRI PAF attributable to Active smoking

Females

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Graphs by type
LRI PAF attributable to Secondhand smoke

Females

- Independent
- Proportional PAF
- Additive
- Max

Graphs by type
LRI PAF attributable to Household air pollution

Males

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Graphs by type

Aim 3 Supplementary Figures
LRI PAF attributable to Ambient air pollution

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Graphs by type
LRI PAF attributable to Ambient air pollution

Females

Graphs by type

Aim 3 Supplementary Figures
LRI PAF attributable to All smoking

Males

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Graphs by type
LRI PAF attributable to All smoking

Females

Graphs by type

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Aim 3 Supplementary Figures
LRI PAF attributable to All air pollution

Females

Graphs by type
LRI PAF attributable to All smoking and air pollution

Males

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Graphs by type
LRI PAF attributable to All smoking and air pollution

Females

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Graphs by type
Lung cancer PAF attributable to Active smoking

Males

Graphs by type
Lung cancer PAF attributable to Active smoking

Females

Graphs by type

Aim 3 Supplementary Figures
Lung cancer PAF attributable to Secondhand smoke

Males

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Graphs by type
Lung cancer PAF attributable to Secondhand smoke

Females

Aim 3 Supplementary Figures

Graphs by type
Lung cancer PAF attributable to Household air pollution

Males

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Graphs by type
Lung cancer PAF attributable to Household air pollution

Females

Graphs by type

Aim 3 Supplementary Figures
Lung cancer PAF attributable to Ambient air pollution

Males

Graphs by type

Aim 3 Supplementary Figures

Independent Proportional PAF Additive Max

PAF

age

Graphs by type
Lung cancer PAF attributable to Ambient air pollution

Females

Graphs by type
Lung cancer PAF attributable to All smoking

Males

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Graphs by type

Aim 3 Supplementary Figures
Lung cancer PAF attributable to All smoking

Females

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Graphs by type
Lung cancer PAF attributable to All air pollution

Males

Graphs by type
Lung cancer PAF attributable to All air pollution

Females

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Graphs by type
Lung cancer PAF attributable to All smoking and air pollution

Males

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Graphs by type
Lung cancer PAF attributable to All smoking and air pollution

Females

Graphs by type
Supplementary Figure 2. Cause-specific attributable deaths estimated for each risk factor or risk factor aggregate by sex and PAF estimation method.
IHD deaths attributable to Active smoking

Males

Aim 3 Supplementary Figures

Deaths

Independent

Proportional PAF

Additive

Max
IHD deaths attributable to Active smoking

Females

Deaths

Independent
Proportional PAF
Additive
Max
IHD deaths attributable to Secondhand smoke

Males

Aim 3 Supplementary Figures

Deaths attributable to Secondhand smoke for Males

- Independent
- Proportional PAF
- Additive
- Max

Graph showing the number of deaths attributable to Secondhand smoke by age for males, with different methods of calculation.
Aim 3 Supplementary Figures

IHD deaths attributable to Secondhand smoke

Females

Deaths

Age

Independeny Proportional PAF

Max

Independent

Proportional PAF

Additive

Max
IHD deaths attributable to Household air pollution

Males
IHD deaths attributable to Ambient air pollution

Males

Deaths

Aim 3 Supplementary Figures

Indepedent Proportional PAF Additive Max
Aim 3 Supplementary Figures

IHD deaths attributable to All smoking

Males

Deaths

Independent
Proportional PAF
Additive
Max

Aim 3 Supplementary Figures
IHD deaths attributable to All air pollution

Males

Deaths

Additive

Independent

Proportional PAF

Max

Aim 3 Supplementary Figures
IHD deaths attributable to All smoking and air pollution

Males

Deaths

Independent

Proportional PAF

Additive

Max

age

20

40

60

80

100

0

2000

4000

6000

8000

Aim 3 Supplementary Figures
Aim 3 Supplementary Figures

IHD deaths attributable to All smoking and air pollution

Females

Deaths

Independent Proportional PAF Additive Max
Stroke deaths attributable to Active smoking

Males

Deaths (numbers) vs age

- Independent
- Proportional PAF
- Additive
- Max
Aim 3 Supplementary Figures

Stroke deaths attributable to Active smoking

Females

Deaths

Age

Aim 3 Supplementary Figures

Independence

Proportional PAF

Additive

Max
Aim 3 Supplementary Figures

Stroke deaths attributable to Secondhand smoke

Males

Deaths attributable to Secondhand smoke by age and sex:

- **Independent**
- **Proportional PAF**
- **Additive**
- **Max**
Stroke deaths attributable to Secondhand smoke

Females

Deaths

Aim 3 Supplementary Figures

Independent
Proportional PAF
Additive
Max
Stroke deaths attributable to Household air pollution

Females

Aim 3 Supplementary Figures
Stroke deaths attributable to Ambient air pollution

Males

Deaths (1000)

20 40 60 80 100

Age

Independent  Proportional PAF  Additive  Max

Aim 3 Supplementary Figures
Stroke deaths attributable to Ambient air pollution

Females

Aim 3 Supplementary Figures

Deaths

Independent
Proportional PAF
Additive
Max
Stroke deaths attributable to All smoking

Males

Deaths

Independent
Proportional PAF
Additive
Max
Stroke deaths attributable to All air pollution

Males

Deaths

Aim 3 Supplementary Figures

Aim 3 Supplementary Figures

Independent

Proportional PAF

Additive

Max
Aim 3 Supplementary Figures

Stoke deaths attributable to All air pollution
Females

Deaths

Additive

Max

Independent

Proportional PAF

Aim 3 Supplementary Figures
Stroke deaths attributable to All smoking and air pollution

Males

Deaths

Independent

Proportional PAF

Additive

Max

Aim 3 Supplementary Figures
Stroke deaths attributable to All smoking and air pollution

Females

Deaths

Aim 3 Supplementary Figures

Independent

Proportional PAF

Additive

Max
LRI deaths attributable to Active smoking

Males

Deaths

0 20 40 60 80 100

age

0 20 40 50 60 70 80 90 100

Aim 3 Supplementary Figures
LRI deaths attributable to Active smoking

Females

Aim 3 Supplementary Figures

Deaths

Additive

Max

Independent

Proportional PAF

Age

Deaths

0

20

40

60

80

100

150

Aim 3 Supplementary Figures
LRI deaths attributable to Secondhand smoke

Males

Aim 3 Supplementary Figures

Deaths

Independent

Proportional PAF

Additive

Max
LRI deaths attributable to Household air pollution

Males

Aim 3 Supplementary Figures
LRI deaths attributable to Household air pollution

Females

Deaths

Aim 3 Supplementary Figures
LRI deaths attributable to Ambient air pollution

Females

Aim 3 Supplementary Figures

Deaths 1000

age

Independent
Proportional PAF
Additive
Max
Aim 3 Supplementary Figures

LRI deaths attributable to All smoking

Females

Deaths

age

Independent Proportional PAF Additive Max
LRI deaths attributable to All air pollution
Males

Deaths

Independent Proportional PAF Additive Max
LRI deaths attributable to All smoking and air pollution

Males

Aim 3 Supplementary Figures

Deaths

Independent
Proportional PAF
Additive
Max
LRI deaths attributable to All smoking and air pollution

Females

Deaths

Aim 3 Supplementary Figures

Independent
Proportional PAF
Additive
Max
Lung cancer deaths attributable to Active smoking

Males
Lung cancer deaths attributable to Secondhand smoke

Males

Deaths attributable to Secondhand smoke
Lung cancer deaths attributable to Secondhand smoke

Females

Deaths

Aim 3 Supplementary Figures

Lung cancer deaths attributable to Secondhand smoke

Females

Deaths

Aim 3 Supplementary Figures
Lung cancer deaths attributable to Household air pollution

Males

Aim 3 Supplementary Figures
Lung cancer deaths attributable to Household air pollution
Females

Deaths

Independent Proportional PAF Additive Max
Lung cancer deaths attributable to Ambient air pollution

Males

Deaths

Aim 3 Supplementary Figures
Lung cancer deaths attributable to Ambient air pollution

Females

Deaths

Age

Independent
Proportional PAF
Additive
Max
Lung cancer deaths attributable to All smoking

Males

Deaths

Aim 3 Supplementary Figures

Aim 3 Supplementary Figures

Independent Proportional PAF Additive Max
Lung cancer deaths attributable to All smoking

Females

Deaths

Independent

Proportional PAF

Additive

Max

Aim 3 Supplementary Figures
Lung cancer deaths attributable to All air pollution

Males

Deaths

Aim 3 Supplementary Figures
Lung cancer deaths attributable to All air pollution
Females

Deaths

Aim 3 Supplementary Figures

Independent
Proportional PAF
Additive
Max
Lung cancer deaths attributable to All smoking and air pollution

Males

Deaths

age

Independent Proportional PAF Additive Max

Aim 3 Supplementary Figures
Lung cancer deaths attributable to All smoking and air pollution

Females

Deaths

Independent
Proportional PAF
Additive
Max