

Systematic analysis of national, regional, and global trends in
chronic kidney disease mortality, morbidity, and etiology

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Introduction

Chronic kidney disease (CKD) is a global public health problem, with severe health and economic implications. Along with the rise of risk factors such as diabetes and hypertension, there is an increase of patients with chronic kidney disease and end-stage renal disease (ESRD) on dialysis and with kidney transplantation. This often results in poor outcomes and a profound burden on the health systems, especially in developing nations that are not fully equipped to handle these patients. (1–3)

CKD is a slow, progressive disease of the kidneys that is characterized by 5 stages, defined by different threshold values of the glomerular filtration rate by the National Kidney Foundation. CKD Stage 5 can then lead to ESRD when patients need dialysis or a kidney transplant. Dialysis and transplantation, while incurring the largest health care costs for CKD patients, represent only the tip of the CKD iceberg. Awareness of CKD tends to be low in early stages—sometimes less than 10%—because symptoms do not usually manifest until the later stages. (4,5) However, these patients can be easily diagnosed through laboratory testing, and treatment is effective in slowing the progression to ESRD.

As the burden of CKD and other chronic diseases has increased over the years, the attention of the public health community has shifted to address the prevention and early detection of these diseases. (6) However, current global estimates of CKD are often insufficient to properly inform these policy decisions because they do not differentiate between specific stages, use inconsistent disease definitions, are generalized to the regional level, or are simply lacking for many countries. (7–15)

The aim of this analysis is to fill the gap in the literature and provide estimates for (1) mortality of CKD as the primary cause of death, (2) morbidity of CKD Stage 3, Stage 4, Stage 5, dialysis, and kidney transplantation, and (3) the proportions of RRT caused by diabetes, hypertension, and unspecified/other causes, for 187 countries by year, age, and sex. These estimates are a crucial factor to help inform

public health policy decisions and the nephrology community in general, especially in countries previously lacking such estimates.

General Analytical Strategy

For mortality caused by CKD as the primary cause of death, data were used from the cause of death database compiled by the Institute for Health Metrics and Evaluation (IHME), which is the largest, most comprehensive cause of death database in the world. All age groups post-neonatal to 100 were included in this analysis, and each sex was modeled separately. The inclusion of informative covariates helped predict the level and direction of CKD death numbers over time.

For CKD morbidity, data were obtained both from systematic literature reviews and from renal registries. Each entity of CKD was modeled separately in DisMod 3, a metaregression tool that forces all parameters (incidence, remission, mortality, etc.) into consistency with one another and adjusts the input data according to study-level covariates. Stage 3, Stage 4, and Stage 5 were each modeled using only prevalence data because of a lack of reliable incidence data for each stage. Dialysis and transplantation data were modeled using the standard DisMod strategy using all epidemiological parameters available.

In order to estimate the etiological proportions of CKD, data were obtained both from systematic literature reviews and from renal registries, with most of the data coming from the latter. Proportions of each etiology among RRT patients were modeled separately in DisMod.

Mortality

Overview

The standard CODEm modeling strategy was used to model deaths from CKD as the primary cause of death. (16) The raw mortality data include vital registration, verbal autopsy, and surveillance data. Age groups post-neonatal to 100 were modeled simultaneously by sex. The covariates most frequently chosen in the ensemble model process were fasting plasma glucose (FPG), systolic blood pressure (SBP), whole grains, body mass index (BMI), animal fat intake, red meat intake, and total calories. These covariates help predict levels and trends of CKD deaths over age, time, sex, and country.

Data

The GBD cause of death database compiled by the Institute of Health Metrics and Evaluation was used for the mortality analysis. For CKD, Table 1 shows the number of data points by type of source and by decade. These data counts include data points that were eventually marked as outliers based on expert judgment.

Table 1: Site-years by decade and source type in the CKD mortality database

Source	Years 1980-1989	Years 1990-1999	Years 2000-2011
Surveillance	0	12	21
Verbal Autopsy	0	0	10
Vital Registration	787	935	932

A key element of the analysis of cause of death data is to take the raw cause of death data and enhance comparability by mapping across various revisions and national variants of the ICD and to process garbage codes. Table 2 shows the ICD codes for various revisions for this disease.

Table 2: GBD cause mapping for the International Classification of Diseases

GBD code	GBD Cause	ICD10	ICD9
B09.1.1.2	B09.1.1.2-Chronic kidney diseases	E10.2, E11.2, E12.2, E13.2, I12.0, I12.9, I13.1, I13.2, I13.9, N02-N07, N15.0	250.4, 403-404, 581-583, 589
B09.1.1.2.1	B09.1.1.2.1-CKD due to diabetes mellitus	E10.2, E11.2, E12.2, E13.2, E14.2	250.4
B09.1.1.2.2	B09.1.1.2.2-CKD due to hypertension	I12.0, I12.9, I13.0, I13.1, I13.2, I13.9	403-404
B09.1.1.2.3	B09.1.1.2.2-CKD, unspecified and other type of chronic kidney diseases	N02-N07, N15.0	581-583, 589

Certain garbage codes were partially redistributed to CKD. Annex Table 1 provides detailed information on each garbage code and how it was allocated to each cause.

Modeling strategy

The Cause of Death Ensemble Model (CODEm) is based on five general principles: identifying all available data, maximizing the comparability and quality of the dataset, developing a diverse set of plausible models, assessing the predictive validity of each plausible individual model and of ensemble models, and choosing the model or ensemble model with the best performance in out-of-sample predictive analysis. Specifically, CODEm explores a large variety of possible models to estimate trends in causes of death. Possible models are identified using a covariate selection algorithm that yields many plausible combinations of covariates which are then run through four model classes. The model classes include mixed effects linear models and spatiotemporal GPR models for cause fractions and death rates. All models for each cause of death are then assessed using out-of-sample predictive validity and combined into an ensemble with optimal out-of-sample predictive performance. (16)

The model of CKD mortality and models for all other causes included in the Global Burden of Disease are single-cause fraction models. This means that the sum of the estimated cause-specific mortality may not equal the all-cause mortality envelope. In order to produce a more accurate estimate of CKD deaths over time, the estimates of each cause of mortality are corrected such that the sum of these cause-

specific mortality rates equals the mortality rate from all-causes. From an estimation perspective this is an important step as the data available to inform trends and levels in all-cause mortality are usually orders of magnitude larger than data for cause-specific mortality.

Each cause is re-scaled according to the uncertainty around the cause-specific mortality rate. In other words, causes which are known with precision will not be affected as much by this re-scaling as causes which have large uncertainty.

Covariates

The covariates that were included in the CKD cause of death model are based on the epidemiology, etiology, and resource accessibility to care for the disease post-onset. Table 3 lists the covariates, priors, and levels that were used for each CODEm model and are based on expert judgment and literature review of risk factors related to CKD. Level 1 covariates are those most proximal to CKD mortality, while higher level covariates are assumed to be more distal in the causal pathway.

Table 3: Candidate covariates, level, and assumed direction for modeling

Level	Covariate Name	Direction
1	BMI (mean per capita)	Positive
1	Diabetes Age Standardized Prevalence (proportion)	Positive
1	Diabetes Fasting Plasma Glucose (mmol/L)	Positive
1	Health System Access	Negative
1	Systolic Blood Pressure (mmHg)	Positive
2	Total Calories	Positive
2	Animal Fats (kcal per capita)	-
2	Cholesterol (total, mean per capita)	Positive
2	Red Meat (kcal per capita)	-
2	Whole Grains (kcal per capita)	-
3	Education by Age	Negative
3	Log LDI (I\$ per capita)	Negative

From this initial list of covariates, 224 submodels were selected that contain different combinations of covariates for females, and 104 submodels were selected for males. Table 4 contains a summary of these submodels by sex, model type, and dependent variable.

Table 4: Summary of submodels chosen by CODEm

Sex	Model Type	Dependent Variable	# Models Chosen
Female	Mixed Effects	Log Rate	80
Female	Spatiotemporal	Log Rate	80
Female	Spatiotemporal	Logit CF	32
Female	Mixed Effects	Logit CF	32
Male	Mixed Effects	Log Rate	32
Male	Spatiotemporal	Log Rate	32
Male	Mixed Effects	Logit CF	20
Male	Spatiotemporal	Logit CF	20

Out-of-sample predictive validity

As described above, the ensemble modeling strategy assesses the performance of various component models. The ability of each of these models to make accurate predictions was formally evaluated by creating 50 train-test-test splits. For each of these datasets, 70% of the data was randomly assigned to the train set, 15% to the first test dataset and the last 15% to the second test dataset. For each train dataset, each of the proposed models was re-estimated, including both the mixed effects and the spatial-temporal model. The results of the models estimated on the training data alone were used to predict for the first test set. The test data have not been included in the model estimation; the performance of each model is therefore being evaluated out-of-sample. In this way, the out-of-sample predictions for the test set are a fair evaluation of how each model will perform in predicting CKD mortality where the data are sparse or missing.

Predictive validity is evaluated using three metrics. First, the root mean squared error (RMSE) of the log of the death rate is computed to assess how well each model predicts age-specific death rates. Second,

to assess how accurately the trends are predicted, the log death rate in year t minus the log death rate in year $t-1$ was computed for the test data where possible. The same metric was also computed for the prediction. The percentage of the time that the model predicts the same trend as the test data was counted. Finally, to assess the plausibility of prediction intervals, the percent of the data in the test set included in the 95% prediction interval was calculated. The prediction interval is based both on the uncertainty in the predicted death rate due to the models and the data variance for each observation. Based on the predictive validity tests, the final model with the lowest RMSE and best trend metric for each of the four groups was chosen.

Annex Table 2 shows, by sex, the out-of-sample predictive validity for all the selected submodels.

Ensemble models and best performing component model

For each sex, the ensemble model was compared to the best performing component model from the above predictive validity ranking in order for the best model for the final estimates to be chosen. For each sex, the ensemble model was chosen because it performed better overall than the top individual model (Table 5).

Table 5: Performance of CODEm ensemble model and for the top component model for males and females

Sex	Model	RMSE (In-Sample)	RMSE (Test 2)	Trend Test (In-Sample)	Trend Test (Test 2)	Coverage (In-Sample)	Coverage (Test 2)
Female	Ensemble	0.473	0.766	0.623	0.535	0.995	0.954
Female	Top Individual Model	0.448	0.791	0.632	0.532	0.994	0.934
Male	Ensemble	0.427	0.726	0.632	0.535	0.994	0.947
Male	Top Individual Model	0.420	0.734	0.637	0.533	0.994	0.935

Corrected cause fractions based on the mortality envelope

The model of CKD mortality and models for all other causes included in the Global Burden of Disease are single-cause fraction models. This means that the sum of the estimated cause-specific mortality may not equal the all-cause mortality envelope. In order to produce a more accurate estimate of CKD deaths over time, all mortality estimates are corrected such that the sum of cause-specific mortality rates equals the mortality rate from all-causes. From an estimation perspective this is an important step as the data available to inform trends and levels in all-cause mortality are usually orders of magnitude larger than data for cause-specific mortality.

Each cause is re-scaled according to the uncertainty around the cause-specific mortality rate. In other words, causes which are known with precision will not be affected as much by this re-scaling than causes which have large uncertainty.

Figure 1 shows the death estimates by age/sex/country/year before and after the CodCorrect procedure. Figure 2 shows the same comparison but with cause fractions instead of total deaths.

Figure 1: Death estimates by age/sex/country/year before and after the CodCorrect procedure

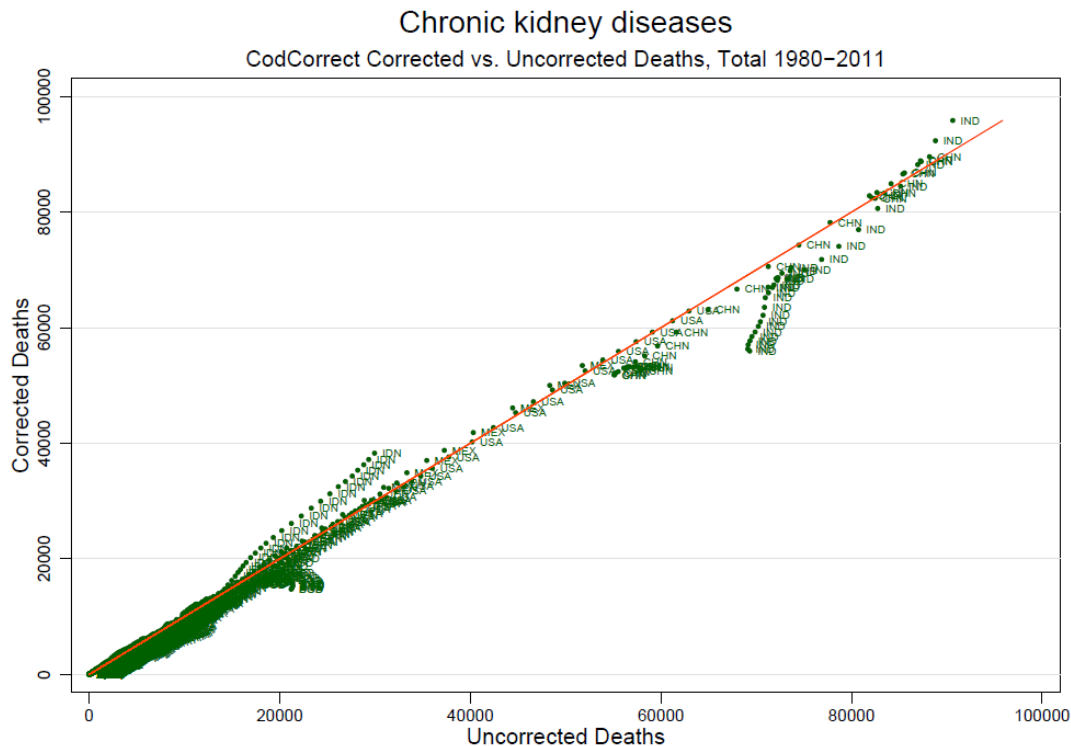
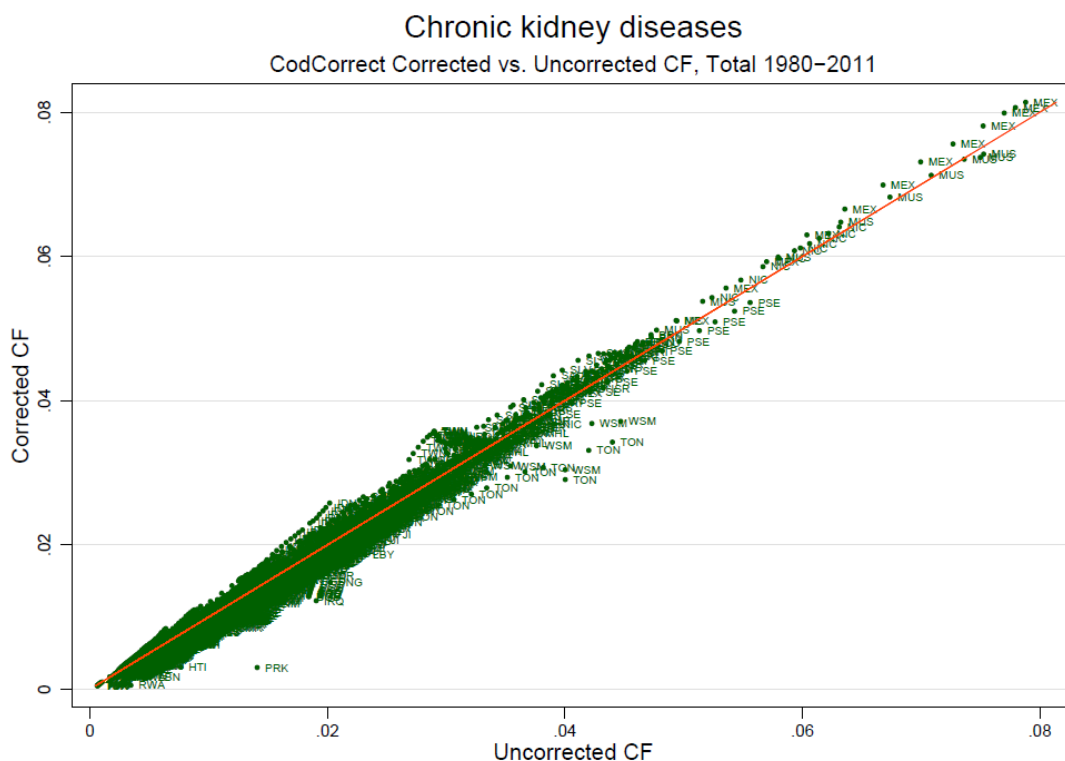


Figure 2: Cause fraction estimates by age/sex/country/year before and after the CodCorrect procedure



Estimates of Deaths

Annex Table 3 provides the deaths due directly to CKD by GBD region for years 1980-2011, and Annex Table 4 provides the deaths due directly to CKD by age, sex, and GBD region for 1990, 2005, and 2010, respectively. Country-specific 2010 mortality rate estimates and raw data by age and sex are displayed in the Appendix.

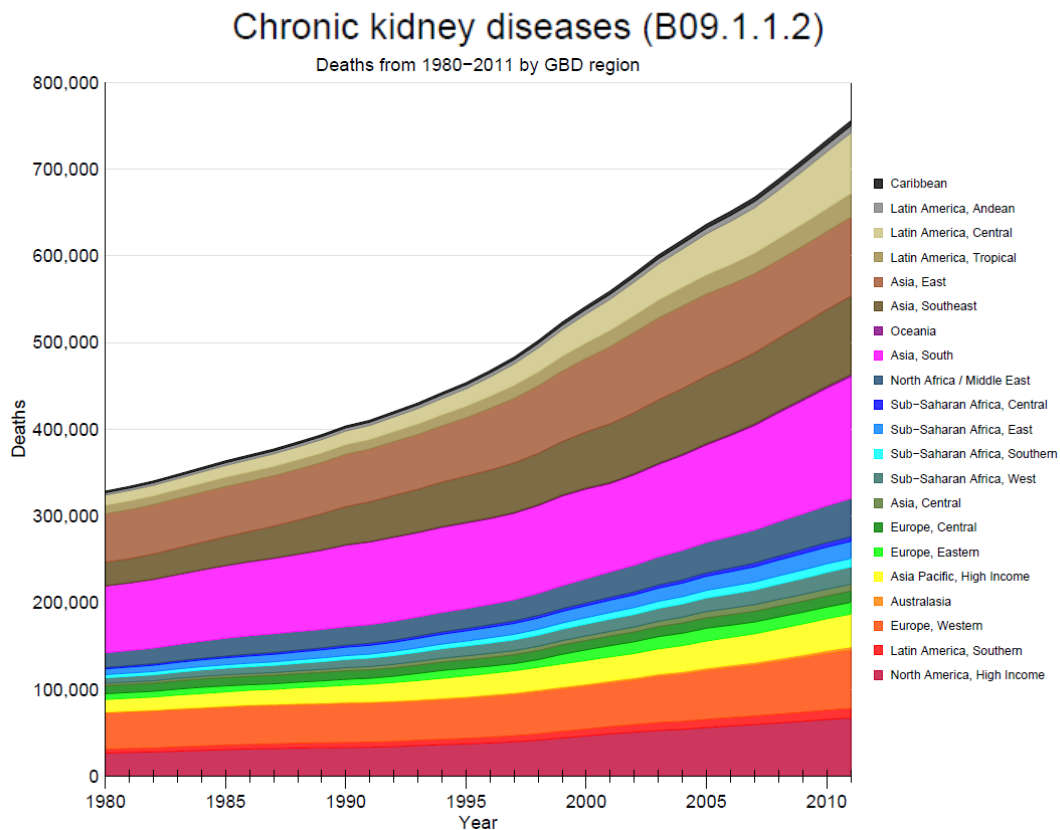
Estimates of Years of Life Lost

Annex Table 5 provides the years of life lost (YLLs) due directly to CKD by GBD region for years 1980-2011, and Annex Table 6 provide the YLLs due directly to CKD by age, sex, and GBD region for 1990, 2005, and 2010, respectively.

Global trends 1980-2011

Figure 3 shows the composition by region of deaths due to chronic kidney disease as the primary cause of death from 1980 to 2011.

Figure 3: Composition of global deaths due directly to CKD by region from 1980 to 2011



Discussion of CODEm approach for CKD

The modeling strategy for CKD mortality used more cause-of-death data than has been used in previous studies and implements the novel CODEm approach which produces an ensemble model which is more accurate than any of its component models. Since data coverage is not complete for all countries and years, covariates and random effects were used to improve the models for out-of-sample environments. The CKD model was further strengthened by testing a variety of versions to optimize performance. Finally, analyses of the model predictions were exhaustively conducted in comparison to data to ensure that any erroneous data points were marked as outliers.

Non-Fatal Health Outcomes

Overview

For the analysis of non-fatal outcomes of CKD, the disease was split into several entities: CKD Stage 3, CKD Stage 4, CKD Stage 5 not on renal replacement therapy (RRT), End-Stage Renal Disease (ESRD) on dialysis, and ESRD with transplantation. CKD Stages 1 and 2 were omitted from this analysis because of the lack of disability associated with them. CKD Stages 3-5 are defined by thresholds in the glomerular filtration rate (GFR), determined by the National Kidney Foundation (Table 6). (17)

Table 6: CKD disease sequelae. CKD Stages 3-5 is defined as persistent GFR <60 mL/min/m² with or without kidney damage. (17) GFR=glomerular filtration rate

Disease entity	Definition
CKD Stage 3	30≤GFR<60 mL/min/m ²
CKD Stage 4	15≤GFR<30 mL/min/m ²
CKD Stage 5	GFR<15 mL/min/m ²
ESRD on renal replacement therapy	dialysis or kidney transplant

Data

All data for Stages 3-5 were obtained through systematic literature reviews, most of which are from community-based surveys. Data for dialysis, transplantation, and proportions of primary renal diagnoses were obtained through systematic reviews of both literature and renal registries. Both IHME and the Genitourinary Expert Group headed by Giuseppe Remuzzi collected these data. The PubMed search syntax used by IHME is:

```
((“CKD”) OR (“CKD/ESRD”) OR (“ESRD”) OR (“End-Stage Kidney Disease”) OR (“End Stage Kidney Disease”) OR (“Chronic Kidney Failure”) OR (“End-Stage Renal Failure”) OR (“End Stage Renal Failure”) OR (“Chronic Renal Failure”) OR (“Chronic Renal Insufficiency”) OR (“End-Stage Renal Insufficiency”) OR (“End Stage Renal Insufficiency”) OR “Cockcroft-Gault”) OR (“Cockcroft Gault”) OR (“Modification of Diet in Renal Disease”) OR (“MDRD”)) AND ((Epidemiology[Title/Abstract]) OR (Prevalence[Title/Abstract]) OR (Incidence[Title/Abstract]) OR (Burden [Title/Abstract]) OR (Global Burden [Title/Abstract]) OR (“Global trend”[Title/Abstract]) OR (“International trend”[Title/Abstract]) OR (“Regional trend”[Title/Abstract]) OR (“National trend”[Title/Abstract])) NOT (“Cost ”[ Title/Abstract]) NOT (“Case control ”[ Title/Abstract]) NOT
```

("Case report"[Title/Abstract]) NOT ("Stigma"[Title/Abstract]) NOT ("Short communication"[Title/Abstract]) NOT ("Teratogen"[Title/Abstract]) NOT ("Teratogenicity"[Title/Abstract]) NOT ("Mice"[Title/Abstract]) NOT ("comment"[Title/Abstract]) NOT ("Stone"[Title/Abstract]) NOT ("Stone"[Title/Abstract]) NOT ("Calculi"[Title/Abstract]) NOT ("Calculus"[Title/Abstract]) NOT ("Acute renal failure"[Title/Abstract]) NOT ("Acute renal insufficiency"[Title/Abstract]) NOT ("Quality of life"[Title/Abstract]) NOT ("Depression"[Title/Abstract]) NOT ("Case review"[Title/Abstract]) NOT ("Imaging"[Title/Abstract]) NOT ("Pathology"[Title/Abstract]) NOT ("Clinical features"[Title/Abstract]) NOT ("Vitamin"[Title/Abstract]) NOT ("Hepatitis"[Title/Abstract]) NOT ("HRQoL"[Title/Abstract]) NOT ("Coronary"[Title/Abstract]) NOT ("Cancer"[Title/Abstract]) NOT ("HRQoL"[Title/Abstract]) NOT ("Wilms"[Title/Abstract]) NOT ("Pathophysiology"[Title/Abstract]) NOT ("Pathophysiologic"[Title/Abstract]) NOT ("Radiography"[Title/Abstract]) NOT ("Radiographic"[Title/Abstract]) NOT ("Histocompatibility"[Title/Abstract]) NOT ("Acute kidney"[Title/Abstract]) NOT ("Surgical"[Title/Abstract]) NOT ("Helicobacter"[Title/Abstract]) NOT ("Cognitive"[Title/Abstract]) NOT ("Pharmacokinetics"[Title/Abstract]) NOT ("Gastrointestinal"[Title/Abstract]) NOT ("Gastro-intestinal"[Title/Abstract]) NOT ("Obesity"[Title/Abstract]) NOT ("Immunosuppression"[Title/Abstract])

Documents were included that contain original data on prevalence, incidence, mortality, or remission of the disease. Documents were excluded that were not representative of the national population (e.g. pregnant women, military, etc.), that were not population-based (e.g. single-clinic-based studies), that provided no original data (e.g. commentary piece), that were based on a sample size less than 150, or that were reviews of accessible papers with original data. After applying the above search and exclusion criteria, the results were narrowed down to 124 eligible abstracts, of which seven were unable to be located. Data from the remaining 117 articles were then extracted for the following analyses. A list of data sources used in the following analyses is available upon request.

Consistent estimates of disease prevalence, incidence, remission, and mortality were generated using DisMod 3, an integrative systems model of disease in a population. DisMod 3 combines a compartmental model of disease progression with an age-integrating mixed-effects negative-binomial model of all relevant epidemiological data. (Note: All graph axes are in units of 1 unless otherwise stated.)

CKD Stages 3-5

CKD Stage 3 is defined as glomerular filtration rate (GFR) between 30 and 60 mL/min/1.73 m², Stage 4 is defined as GFR between 15 and 30 mL/min/1.73 m², and Stage 5 is defined as GFR between 0 and 15

mL/min/1.73 m² and not on RRT. For Stage 3, 469 prevalence data points from 70 studies represented 38 countries in 15 regions. For Stage 4, 194 prevalence age/sex/time/country data points from 41 studies represented 28 countries in 14 regions. For Stage 5, 124 prevalence data points from 33 studies represented 24 countries in 13 regions. The respective prevalence of each stage was modeled independent of other parameters because of insufficient incidence/remission/mortality data. See Table 7 for regional distribution of data for each stage.

Table 7: Frequency of CKD Stages 3-5 morbidity data types by region used in DisMod estimation

Region	Stage 3	Stage 4	Stage 5
Europe, Western	126	27	3
North America, High Income	87	52	6
Asia Pacific, High Income	69	3	4
Asia, East	61	27	22
Asia, South	41	37	36
Asia, Southeast	26	8	8
North Africa/Middle East	18	11	13
Asia, Central	12	12	12
Sub-Saharan Africa, West	10	10	9
Europe, Eastern	8	8	8
Australasia	7	0	0
Sub-Saharan Africa, Central	1	1	1
Latin America, Southern	1	1	0
Latin America, Central	1	1	1
Europe, Central	1	1	1
Sub-Saharan Africa, Southern	0	0	0
Sub-Saharan Africa, East	0	0	0
Oceania	0	0	0
Latin America, Tropical	0	0	0
Latin America, Andean	0	0	0
Caribbean	0	0	0
Total	469	199	124

Dialysis

For analysis, 5315 data points from 129 studies/registry reports were included, as well as 349 data points from the Genitourinary Expert Group for country-years with a known lack of dialysis or transplantation with no other data available, for a total of 5664 data points representing 161 countries in all 21 regions. Transplantation incidence among the prevalent dialysis population was used as a proxy for remission. See Table 8 for regional distribution of dialysis data.

Table 8: Frequency of dialysis morbidity data types by region used in DisMod estimation

Region	Prevalence	Incidence	Remission	Mortality	Total
North America, High Income	277	554	241	240	1312
Europe, Western	362	694	65	10	1131
Australasia	332	403	144	219	1098
Asia Pacific, High Income	161	168	16	26	371
Asia, Southeast	138	131	14	0	283
Latin America, Southern	112	113	20	0	245
Asia, East	107	105	7	0	219
Europe, Central	102	86	18	10	216
North Africa/Middle East	76	55	17	2	150
Europe, Eastern	53	53	13	0	119
Sub-Saharan Africa, West	21	18	51	0	90
Asia, South	35	29	8	0	72
Latin America, Tropical	42	10	6	6	64
Sub-Saharan Africa, East	12	9	39	0	60
Latin America, Central	24	21	12	1	58
Caribbean	15	9	33	0	57
Oceania	13	13	18	0	44
Sub-Saharan Africa, Central	9	9	18	0	36
Sub-Saharan Africa, Southern	6	2	15	0	23
Asia, Central	2	1	6	0	9
Latin America, Andean	5	2	0	0	7
Total	1904	2485	761	514	5664

Transplantation

For analysis, 2727 data points from 55 studies/registry reports were included, as well as 462 data points from the Genitourinary Expert Group for country-years with a known lack of transplantation with no

other data available, for a total of 3189 data points representing 149 countries in all 21 regions.

Remission was assumed to be zero. See Table 9 for regional distribution of transplantation data.

Table 9: Frequency of transplantation morbidity data types by region used in DisMod estimation

Region	Prevalence	Incidence	Mortality	Total
North America, High Income	370	380	186	936
Australasia	340	350	2	692
Asia, Southeast	104	141	25	270
Latin America, Southern	111	71	18	200
Asia Pacific, High Income	139	51	7	197
Europe, Western	14	97	1	112
Sub-Saharan Africa, West	54	51	0	105
Europe, Central	38	58	3	99
Caribbean	41	41	0	82
Sub-Saharan Africa, East	39	39	0	78
Europe, Eastern	60	16	0	76
North Africa/Middle East	33	30	0	63
Latin America, Central	31	24	0	55
Sub-Saharan Africa, Southern	21	21	0	42
Sub-Saharan Africa, Central	19	17	0	36
Oceania	18	18	0	36
Asia, Central	18	18	0	36
Asia, South	15	15	0	30
Latin America, Tropical	8	10	2	20
Asia, East	4	13	0	17
Latin America, Andean	5	2	0	7
Total	1482	1463	244	3189

Modeling strategy

A model was developed for each of the five CKD sequelae and for each of two primary renal diagnoses.

The proportion of CKD unspecified and due to other causes was attributed to the remainder of each sequela not attributed to diabetes and hypertension.

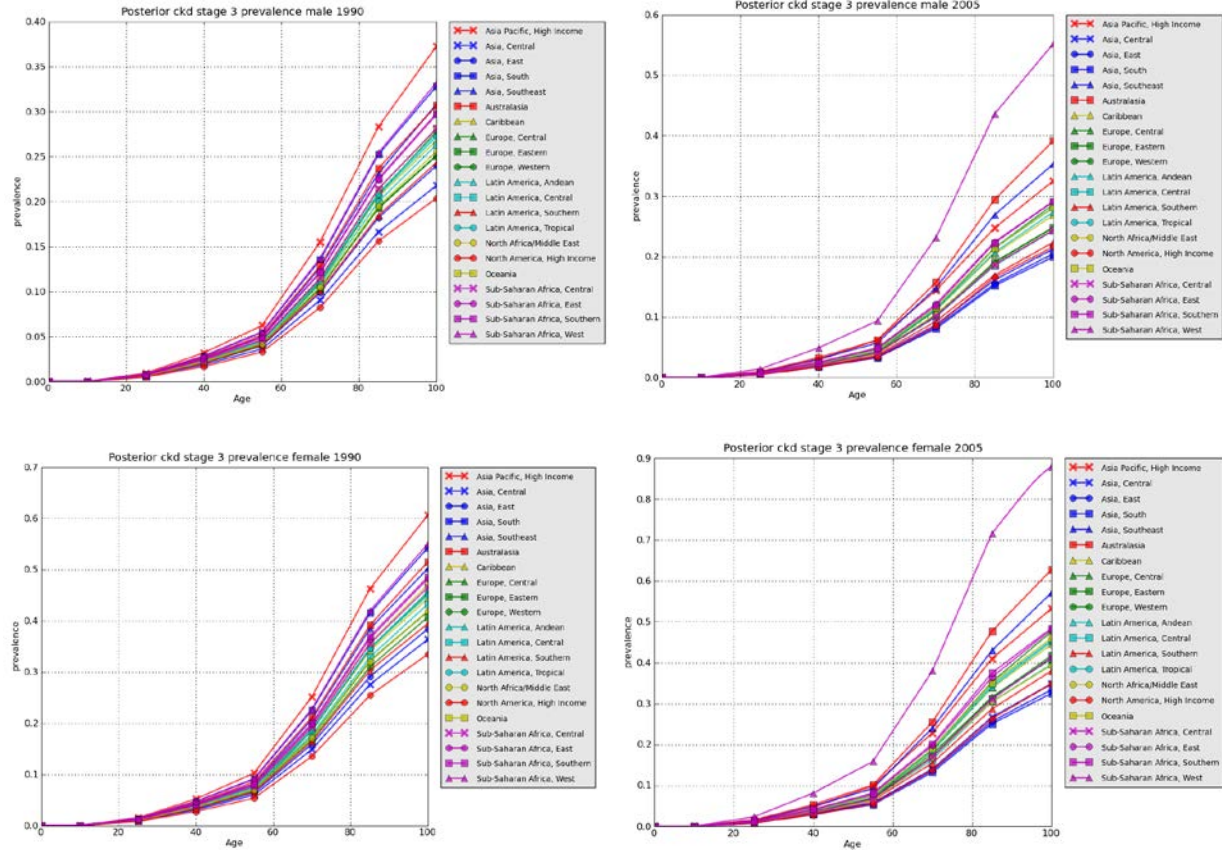
CKD Stage 3

Data with no measure of uncertainty (effective sample size, standard error, or 95% confidence interval) were dropped from the analysis. The only study-level covariate was sex, with females as the reference sex in the fixed effects figures. Average fasting plasma glucose (FPG) and average systolic blood pressure (SBP) were considered for inclusion as country-level covariates because there is a positive relationship between FPG, SBP, and CKD Stage 3 prevalence. However, they were rejected as covariates because their directionalities with regard to CKD Stage 3 prevalence were negative instead of positive when included. For this model, priors were chosen of increasing prevalence from ages 0 to 80 in order to achieve an age trend that matches the available data.

Annex Figure 1 displays the random and fixed effect coefficients for super regions, regions, and countries. Points to the right and left of that line represent the natural log of the difference between each super region average and the global average, each region average and its respective super region average, and each country average and its respective region average. Figure 4 shows the CKD Stage 3 prevalence estimates by region, sex, and age for 1990 and 2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.419.

CKD Stage 3 prevalence increases across age for all regions, up to levels of greater than 50% in some regions at older ages. Also, there has been a definite increase in stage 3 prevalence over time, especially in some countries in Sub-Saharan Africa.

Figure 4: CKD Stage 3 prevalence by sex, age, and region for 1990 and 2005



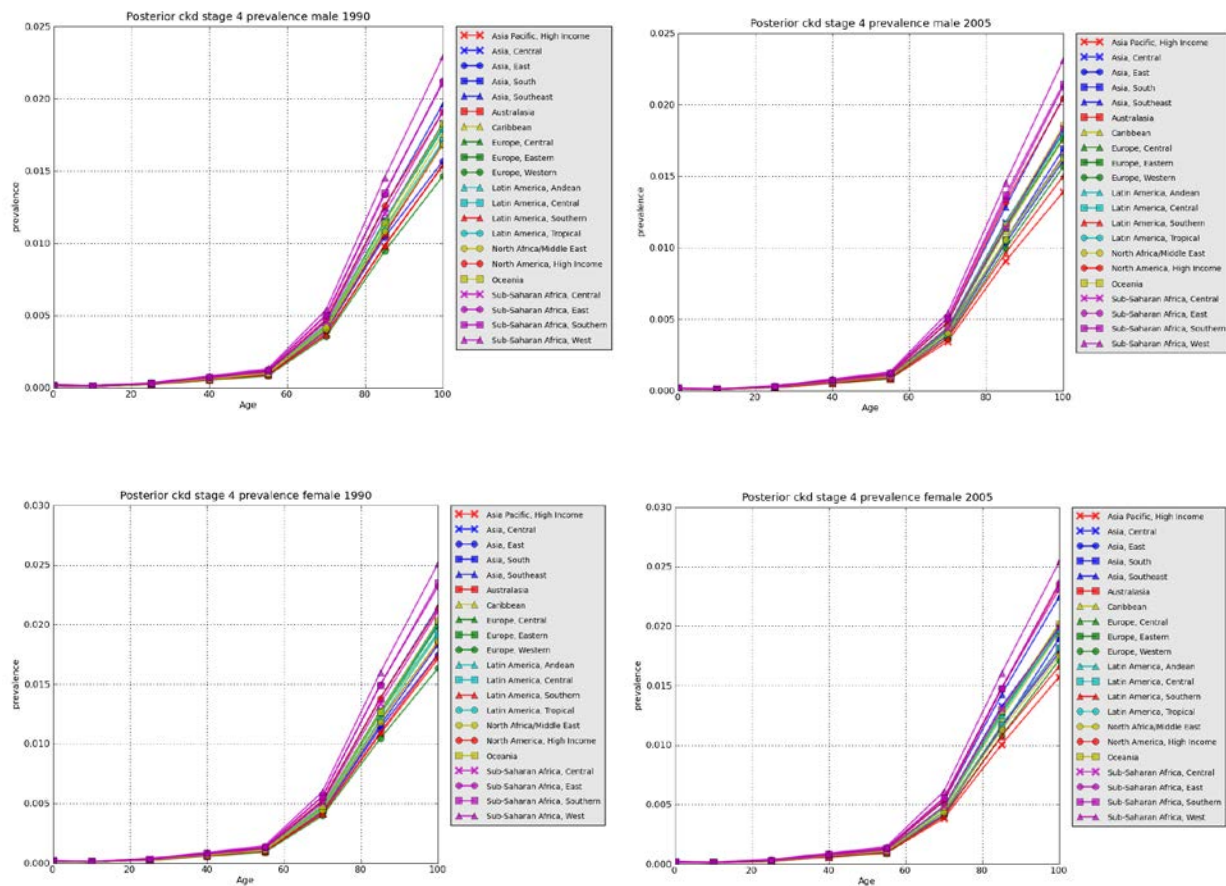
CKD Stage 4

Data with no measure of uncertainty (effective sample size, standard error, or 95% confidence interval) were dropped from the analysis. The only study-level covariate was sex. The age-standardized prevalence of CKD Stage 3 from the above model results was included as a country-level covariate because it has a positive relationship with CKD Stage 4 prevalence. For this model, priors were chosen of increasing prevalence from ages 0 to 100 in order to achieve an age trend that matches the available data.

Annex Figure 2 displays the random and fixed effect coefficients for super regions, regions, and countries. Figure 5 shows the CKD Stage 4 prevalence estimates by region, sex, and age for 1990 and

2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.55.

Figure 5: CKD Stage 4 prevalence by sex, age, and region for 1990 and 2005



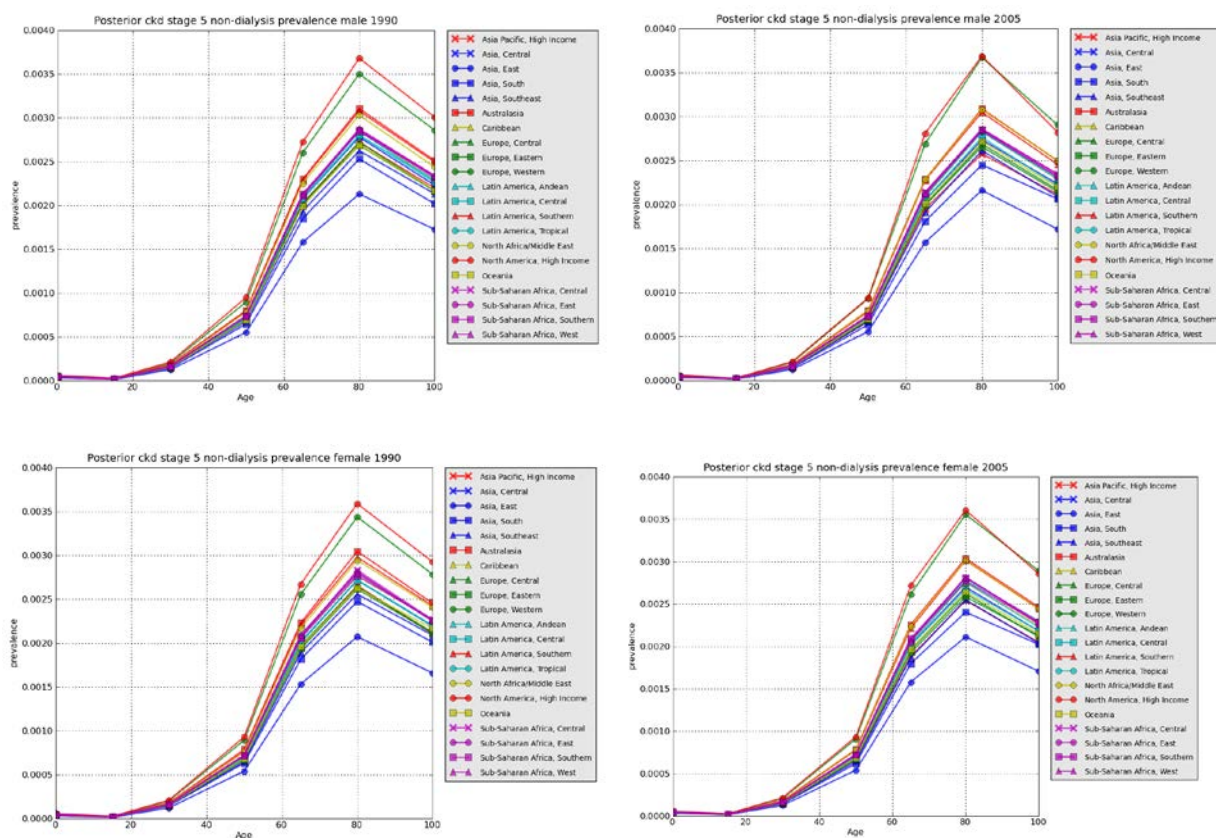
CKD stage 4 results show similar trends to stage 3 by increasing over age, though there is not a pronounced increase over time. Because of the relatively sparse data in this model compared to the stage 3 model, much of the regional- and country-variation is driven by the stage 3 age-standardized covariate. Females again have higher prevalence rates than males for stage 4.

CKD Stage 5

Data with no measure of uncertainty (effective sample size, standard error, or 95% confidence interval) were dropped from the analysis. The only study-level covariate was sex. For this model, the default DisMod settings were used and no additional priors were chosen.

Annex Figure 3 displays the random and fixed effect coefficients for super regions, regions, and countries. Figure 6 shows the CKD Stage 5 prevalence estimates by region, sex, and age for 1990 and 2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.57.

Figure 6: CKD Stage 5 prevalence by sex, age, and region for 1990 and 2005



CKD stage 5 estimates increase over age and drop off at the oldest ages, most likely due to increased risk of mortality for patients at those ages relative to the risk of developing stage 5 for those who reach the

oldest ages. There is no clear change in the levels for most regions from 1990 to 2005 or 2010. Even though attention has been shifting toward methods of preventing CKD over the past couple decades, no impact is seen on stage 5 rates yet, unless fewer people are developing stage 5 but those who already have it are surviving longer than they did twenty years ago.

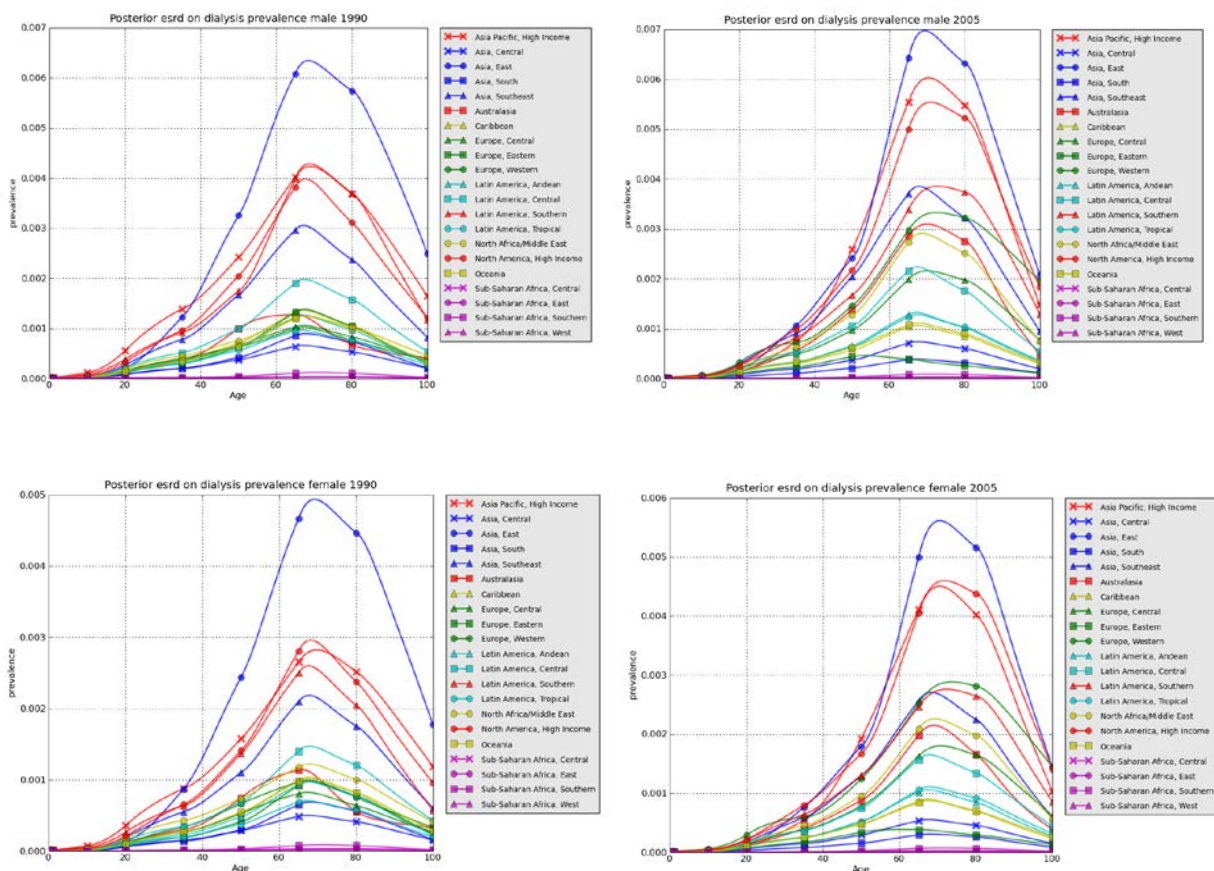
Dialysis

For nation-wide prevalence/incidence/remission data (e.g. total prevalent patients on dialysis), the national population for that age/sex/year group was used as the effective sample size. Separate data for hemodialysis and peritoneal dialysis were combined when both were from the same source/age/sex/year/country in order to get data for overall dialysis. For mortality data of number of dialysis patient deaths in a year, with-condition mortality was obtained by dividing by the number of prevalent cases in that age/sex/year. Kidney transplantation was used as a proxy for remission by dividing transplantation incidence by dialysis prevalence in the same source/age/sex/year/country. Data with no measure of uncertainty (effective sample size, standard error, or 95% confidence interval) and duplicate data from different sources were dropped from the analysis. For countries with thousands of data points for every year/sex/age (Australia and USA), only data for 1990, 2005, and 2009 were retained for analysis to maintain computational efficiency. Also, non-age-specific (defined as an age range greater than 95 years) prevalence and incidence data were dropped in countries for which age-specific data was available for the relevant time estimation period (before or after 1997) in order to better inform the age pattern in DisMod and avoid duplicate data. The only study-level covariate was sex. For this model, several priors were chosen to inform the parameter estimation. Assumptions included no remission after age 80, no prior on the smoothness level of incidence or prevalence across age, prevalence less than 0.025, incidence less than 0.006, remission less than 0.6, and excess mortality less than 10. These upper bounds were chosen to contain all available data and constrict the space in which DisMod could estimate the parameters. Additional assumptions include increasing prevalence

from age 1 to age 50, decreasing remission after age 10, decreasing duration after age 20, and decreasing incidence and prevalence after age 80 in order to achieve a consistent age pattern across regions based on the age pattern seen in countries with reliable age-specific data.

Annex Figure 4 displays the random and fixed effect coefficients for super regions, regions, and countries. Figure 7 shows the ESRD on dialysis prevalence estimates by region, sex, and age for 1990 and 2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.32 for incidence data, 0.32 for prevalence data, 0.38 for remission data, and 0.42 for mortality data.

Figure 7: ESRD on dialysis prevalence by sex, age, and region for 1990 and 2005



Dialysis rates are increasing globally over time, in every region. However, some areas of the world—especially Sub-Saharan Africa—have seen very little change in access to this life-saving treatment.

Interestingly, male dialysis rates are higher than female rates, whereas the opposite was true for the prevalence of stages 3-5. This could be due to slower progression of CKD in females, resulting in lower rates of renal replacement therapy initiation. It could also be a result of more financial freedom for males in general so that they are able to afford the extra costs of RRT more easily than many females in some regions.

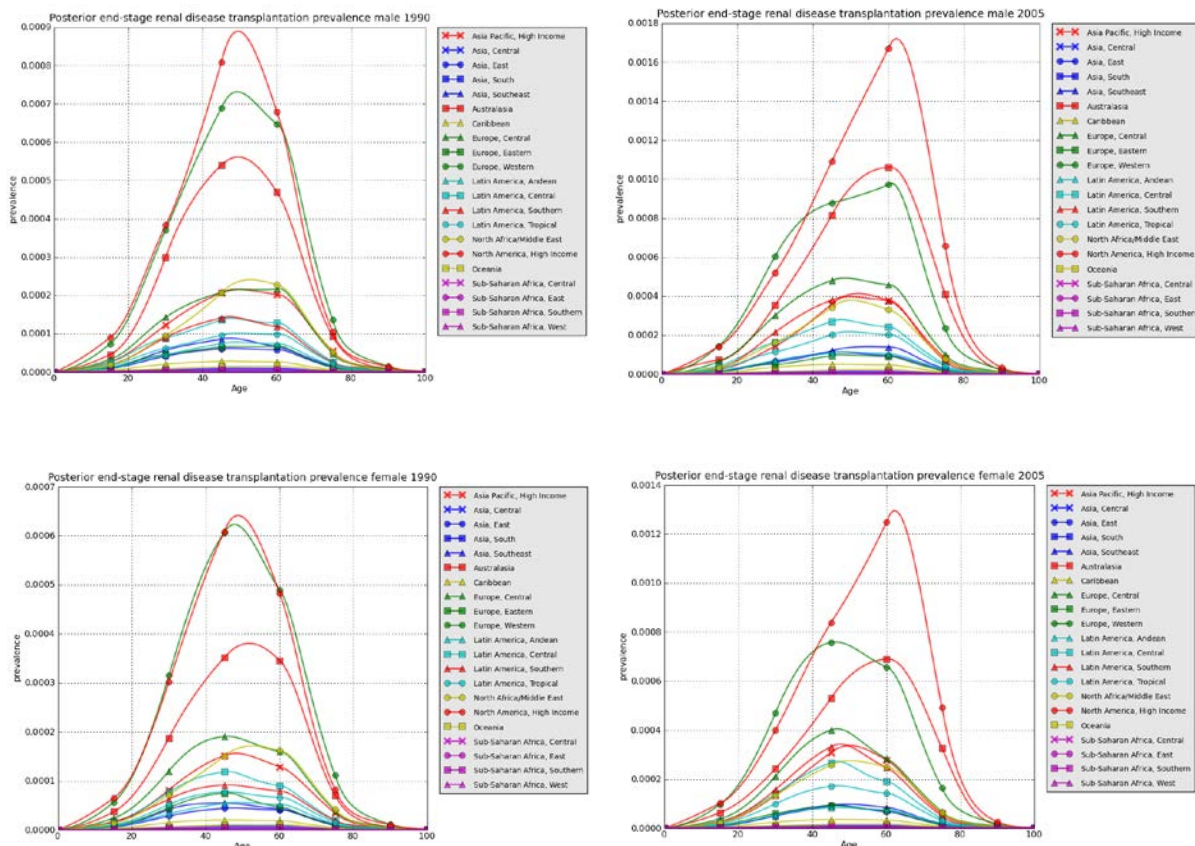
Transplantation

For nation-wide prevalence/incidence data (e.g. total prevalent patients with transplantation), the national population for that age/sex/year group was used as the effective sample size. For mortality data of number of transplantation patient deaths in a year, with-condition mortality was obtained by dividing by the number of prevalent cases in that age/sex/year. Data with no measure of uncertainty (effective sample size, standard error, or 95% confidence interval) were dropped from the analysis.

Large outliers were dropped, if the population prevalence was greater than 3 per 1000 population or if the population incidence was greater than 1 per 1000 population. For countries with thousands of data points for every year/sex/age (Australia and USA), only data for 1990, 2005, and 2009 were retained for analysis to maintain computational efficiency. Also, non-age-specific (defined as an age range greater than 95 years) prevalence and incidence data were dropped in countries for which age-specific data was available for the relevant time estimation period (before or after 1997) in order to better inform the age pattern in DisMod and avoid duplicate data. The only study-level covariate was sex. Year was chosen as a country-level covariate to help inform the changing trends over time. For this model, several priors were chosen to inform the parameter estimates: zero remission at all ages, zero incidence after age 90, prevalence less than 0.005, and incidence less than 0.0004. These upper bounds were chosen to contain all available data and constrict the space in which DisMod could estimate the parameters. An additional assumption includes decreasing incidence from age 60 to 90 in order to achieve a consistent age pattern across regions based on the age pattern seen in countries with reliable age-specific data.

Annex Figure 5 displays the random and fixed effect coefficients for super regions, regions, and countries. Figure 8 shows the ESRD with transplantation prevalence estimates by region, sex, and age for 1990 and 2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.32 for prevalence data, 0.45 for incidence data, and 2.07 for mortality data.

Figure 8: ESRD with transplantation prevalence by sex, age, and region for 1990 and 2005



Similar to the dialysis estimates, the rates of transplantation have been increasing over time—almost doubling in some regions. Also, the prevalence of kidney transplant patients is higher among males than among females, perhaps due to the same reasons discussed above regarding the same disparity in dialysis prevalence.

Estimates of incident case numbers

Annex Tables 7 and 8 provide the incident case numbers by age, sex, and GBD region for 1990, 2005, and 2010 for dialysis and transplantation, respectively. Country-specific 2010 incidence estimates and raw data by age and sex are displayed in the Appendix.

Estimates of prevalent case numbers

Annex Tables 9-13 provide the prevalent case numbers by age, sex, and GBD region for 1990, 2005, and 2010 for CKD Stage 3, Stage 4, Stage 5, dialysis, and transplantation, respectively. Country-specific 2010 prevalence estimates and raw data by age and sex are displayed in the Appendix. Figures 9 and 10 show the 2010 age-standardized prevalence rates by country for males and females, respectively, of CKD associated with disability. These estimates include the portion of CKD stage 3 that has anemia, stage 4, stage 5, dialysis, and transplantation prevalence. Note that the sex distribution is not consistent across countries; this is due to the generally higher rates of stages 3-5 among females and higher rates of dialysis and transplantation among males, and to the slightly varying compositions of these forms of CKD by country.

Figure 9: 2010 Male cumulative age-standardized prevalence rates of CKD stage 3 with anemia, stage 4, stage 5, dialysis, and transplantation

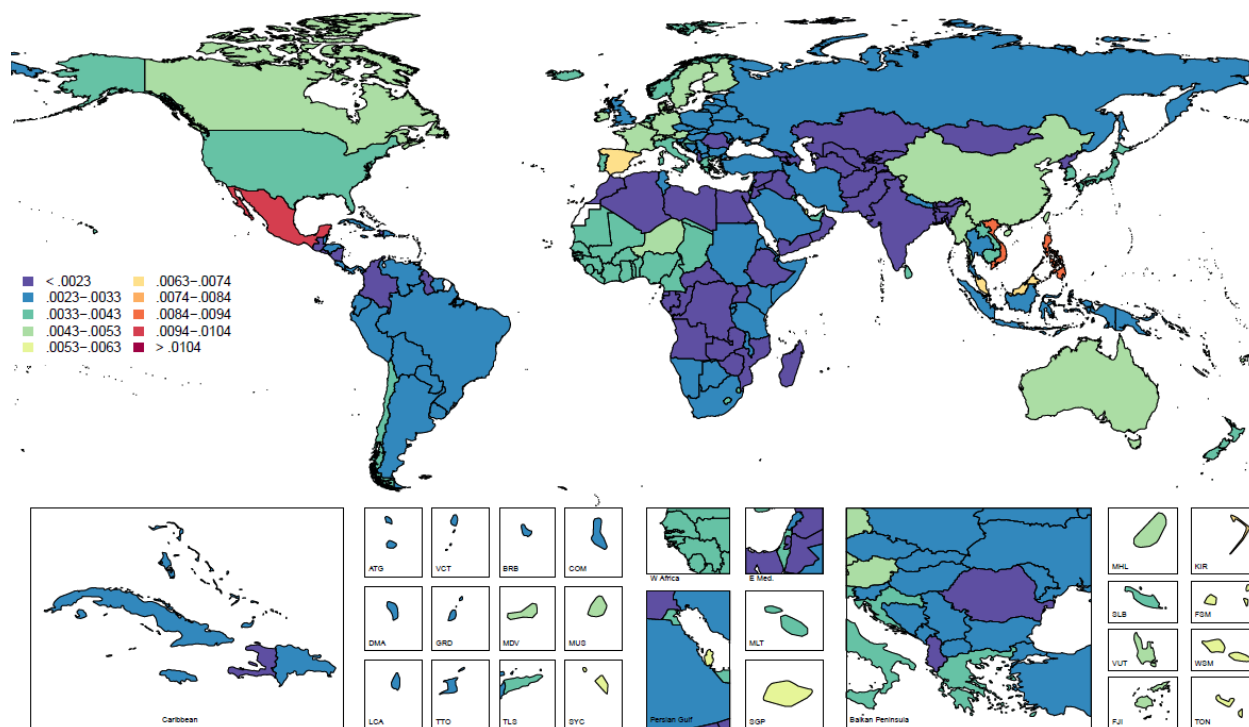
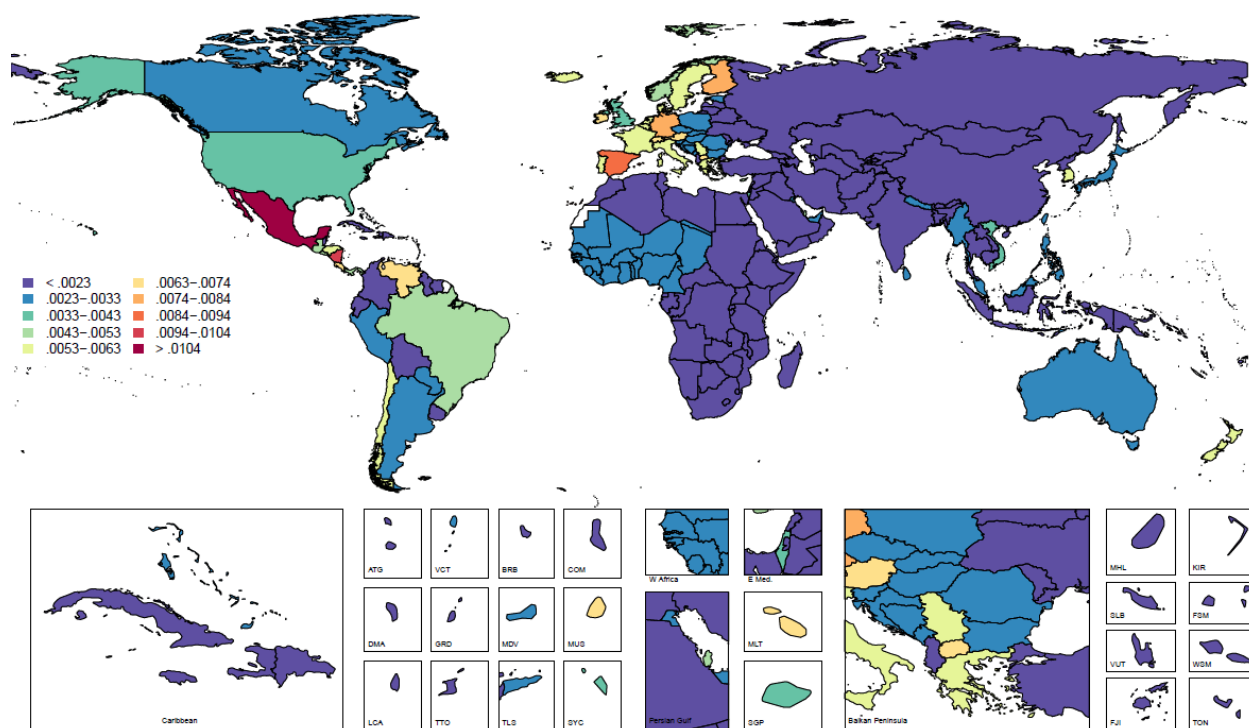


Figure 10: 2010 Female cumulative age-standardized prevalence rates of CKD stage 3 with anemia, stage 4, stage 5, dialysis, and transplantation



Primary Renal Diagnosis

Overview

For the analysis of etiological proportions of CKD, data was collected on the proportion of patients with primary renal diagnoses (PRD) of either diabetes, hypertension, or glomerulonephritis. For this analysis, glomerulonephritis was included in the primary renal diagnosis category of other/unspecified, and all proportions were adjusted to sum to one if they added to more than one for any given country/year/age/sex.

Data

The proportions of diabetes, hypertension, and other as the PRD among RRT patients were estimated. For age-specific data points with effective sample sizes less than 100, age groups were combined in small increments by country/year/sex/source until the effective sample sizes were at least 100 in order to ensure useful data inputs in the analysis. These data points were first combined into 20-year age groups; all age groups for a country/year/sex/source for data that still had an effective sample size less than 100 were then completely combined. For diabetes analysis, 730 data points from 34 studies represented 24 countries in 12 regions. For hypertension analysis, 1135 data points from 28 studies represent 28 countries in 13 regions. See Table 10 for regional distribution of data for each PRD. Prevalence of each PRD among CKD patients was modeled independent of other parameters.

Table 10: Frequency of primary renal diagnosis morbidity data types by region used in DisMod estimation

Region	Diabetes	Hypertension
North America, High Income	390	420
Latin America, Southern	81	136
Europe, Western	57	83
Asia, East	13	4
North Africa/Middle East	5	2
Caribbean	5	5
Asia Pacific, High Income	53	138
Sub-Saharan Africa, Central	1	1
Latin America, Central	1	3
Europe, Central	4	20
Sub-Saharan Africa, West	0	0
Sub-Saharan Africa, Southern	0	0
Sub-Saharan Africa, East	0	0
Oceania	0	0
Latin America, Tropical	0	1
Latin America, Andean	0	0
Europe, Eastern	33	89
Australasia	0	0
Asia, Southeast	87	233
Asia, South	0	0
Asia, Central	0	0
Total	730	1135

Modeling strategy

For these analyses, the proportion of ESRD caused by diabetes and hypertension were modeled independent of each other. Many renal registries reported the proportion of their patients with each PRD, with much of the age-specific proportions coming from the USA renal registry. The only study-level covariate was sex. For the diabetes PRD model, a prior was chosen that the proportion of diabetes among CKD patients increases from age 0 to 40 in order to achieve an age trend that matches the USA data. For the hypertension PRD model, the default DisMod settings were chosen. Because there was very little variation over time in these proportions (estimates available upon request), these proportions

were averaged across 1990, 2005, and 2010 in order to incorporate any small variations over time in the final uncertainty estimates while maintaining computational efficiency. An additional analysis was conducted of the proportion of ESRD due to glomerulonephritis (available on request) in order to ensure that the sum of the proportions of all these primary renal diagnoses did not sum to greater than one. If the sum exceeded one, the estimates of these three etiologies were adjusted downward proportionally. The results of the proportion of ESRD due to glomerulonephritis are not included here because it does not cause as much ESRD as diabetes and hypertension, and therefore the glomerulonephritis data can be more sensitive to small numbers issues. This cause of ESRD, as well as other causes, will be explored in more detail in future analyses.

We attributed the remaining proportion of CKD not due to diabetes and hypertension to unspecified CKD and other causes. After applying these PRD proportions and relevant disability weights to the prevalences of each CKD entity, years lived with disability (YLDs) of Stage 3, Stage 4, Stage 5, Dialysis, and Transplantation by primary renal diagnosis were estimated using the disability weights described below.

Figure 11 shows the diabetes proportion estimates by region, sex, and age for 1990 and 2005. DisMod III produced predictions for all data with in-sample median absolute relative error of 0.145.

Figure 11: Proportion of RRT caused by diabetes by sex, age, and region for 1990 and 2005

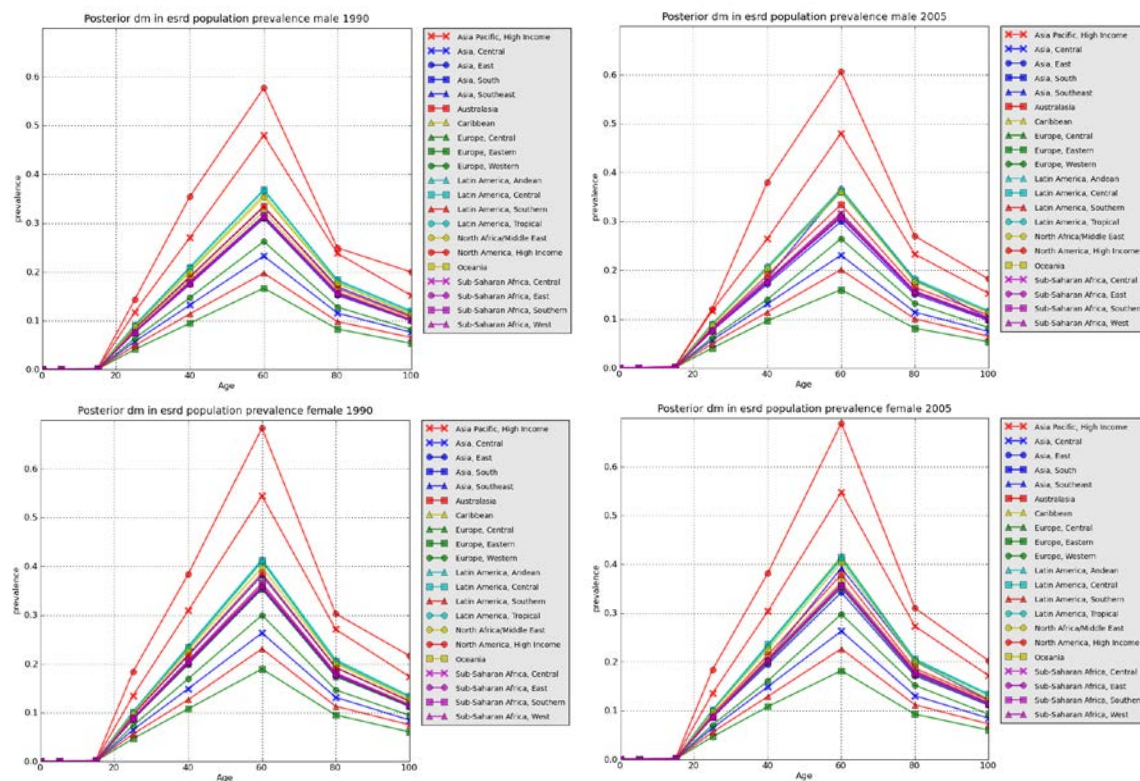
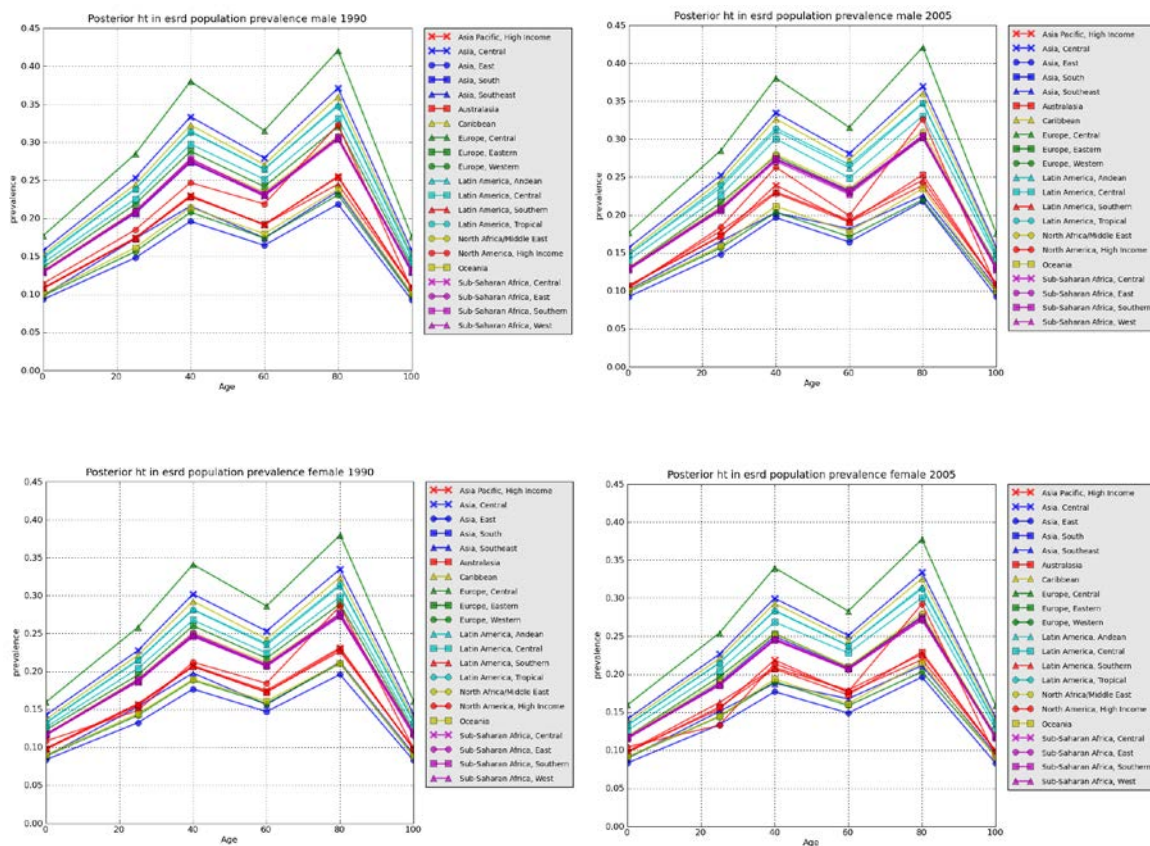


Figure 12 shows the hypertension proportion estimates by region, sex, and age for 1990 and 2005.

DisMod III produced predictions for all data with in-sample median absolute relative error of 0.323.

Figure 12: Proportion of ESRD caused by hypertension by sex, age, and region for 1990 and 2005



Estimates of etiological proportions

Annex Tables 19-21 provide the proportions of CKD due to each etiology by age, sex, and GBD region for diabetes mellitus, hypertension, and unspecified/other causes, respectively. Country-specific PRD composition estimates by age and sex are displayed in the Appendix.

Disability weights

Table 11 shows the disability weights (DW) used to calculate YLDs for the various CKD entities based on the new disability weights calculated for the 2010 Global Burden of Disease. Disability for CKD Stage 3 was attributed to anemia, and the method to generate the anemia severity distribution for CKD Stage 3 is described in the GBD 2010 Estimation Strategy Report for Anemia (details available upon request).

The DW used for CKD Stage 5 is that of the terminal phase because patients in this stage exhibit severe symptoms comparable to advanced cancer and severe diseases. (18–20)

Table 11: Disability weights associated with CKD

DW name	DW	CKD Sequela
Anemia, mild fatigue	0.004	CKD 3
Anemia, moderate fatigue	0.058	CKD 3
Anemia, severe fatigue	0.164	CKD 3
Chronic kidney disease (stage IV)	0.105	CKD 4
Terminal phase (w/o medication) (for cancers, ESRD, end-stage liver)	0.520	CKD 5
End-stage renal disease, on dialysis	0.575	Dialysis
End-stage renal disease, after renal transplant	0.027	Transplantation

Estimates of years lived with disability

Annex Tables 14-18 provide the years lived with disability (YLDs) for CKD due to each etiology by age, sex, and GBD region for 1990, 2005, and 2010 for CKD Stage 3, Stage 4, Stage 5, dialysis, and transplantation, respectively.

Discussion

Some concern has been expressed that the current CKD classification scheme using GFR thresholds results in overestimates of the burden of CKD, especially at lower stages. (21) However, this analysis takes this concern into account by applying disability weights only to those CKD patients with symptoms.

The etiological proportions of RRT patients are not necessarily generalizable to all stages and mortality estimates of CKD. Patients with diabetes as the primary renal diagnosis, for example, have lower survival rates than other CKD patients. (22) Because of this, the estimated proportion of RRT due to diabetes is likely an underestimate of diabetes as a cause of overall CKD because of the higher risk of mortality before patients have a chance to get dialysis or a transplant. This highlights the need for screening of at-risk populations, to diagnose these cases with more potential disability in order to slow disease progression and improve the mortality rates. Another important factor for identifying populations at risk for CKD is poverty because of the increased risk for chronic diseases like diabetes and hypertension with lower socioeconomic status. (23–25)

The combination of low awareness and high prevalence of early stages of CKD presents both a challenge and an opportunity. Currently, kidney dialysis and transplantation is a large burden on many health systems with resources to provide those treatments to patients, and many CKD patients die prematurely because of lack of access to RRT. If CKD patients are aware of their kidney damage before the onset of symptoms, then those enormous costs and early deaths could be avoided. Many treatments have been proposed to slow the progression of CKD, from diet to vitamin D supplements to pharmaceuticals. (26–30)

It is imperative, both medically and economically, to improve screening, prevention, and awareness of CKD globally in order to reduce the growing burden of the high-disability stages of the disease by halting or slowing the progression of prevalent CKD cases, as well as preventing future cases.

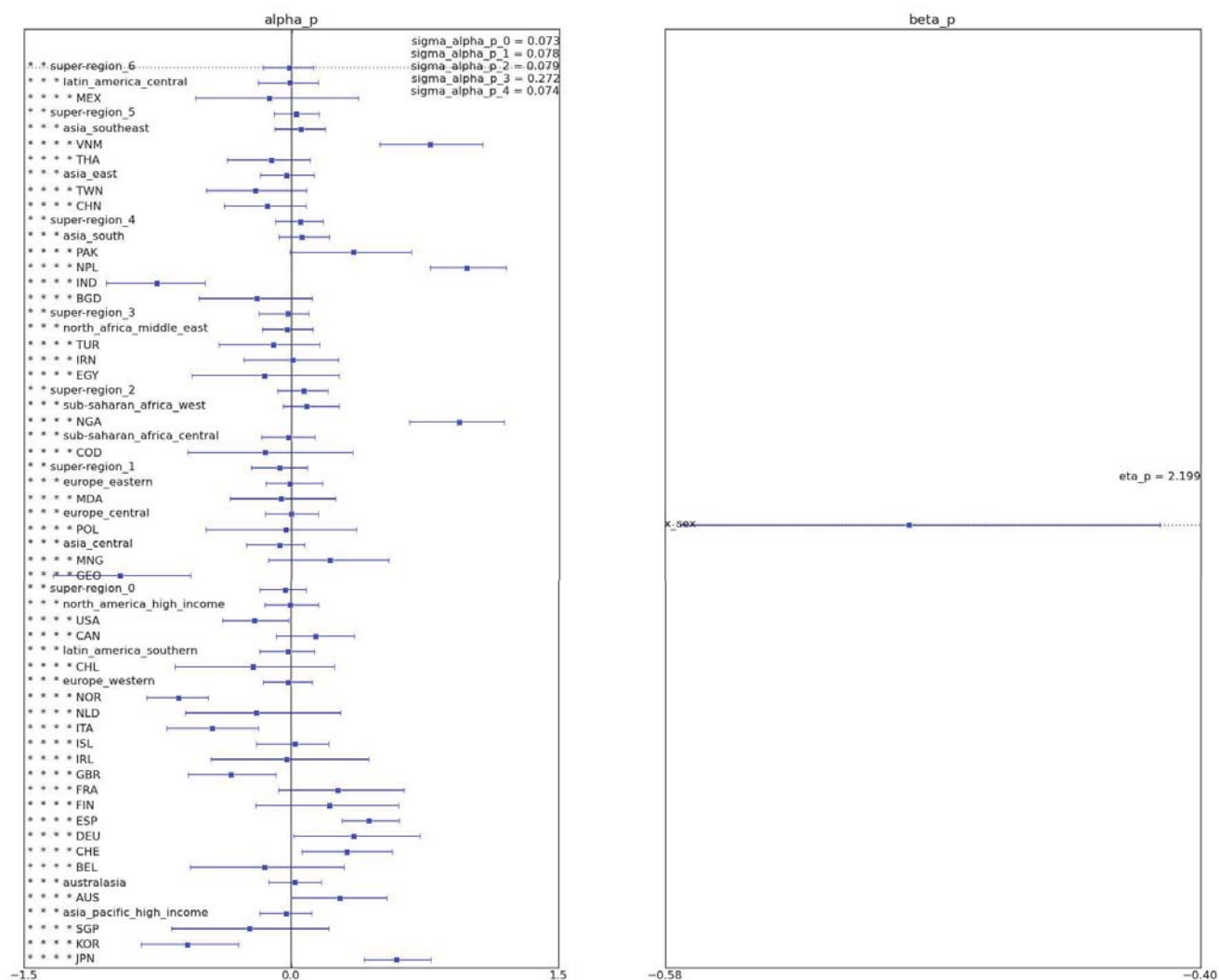
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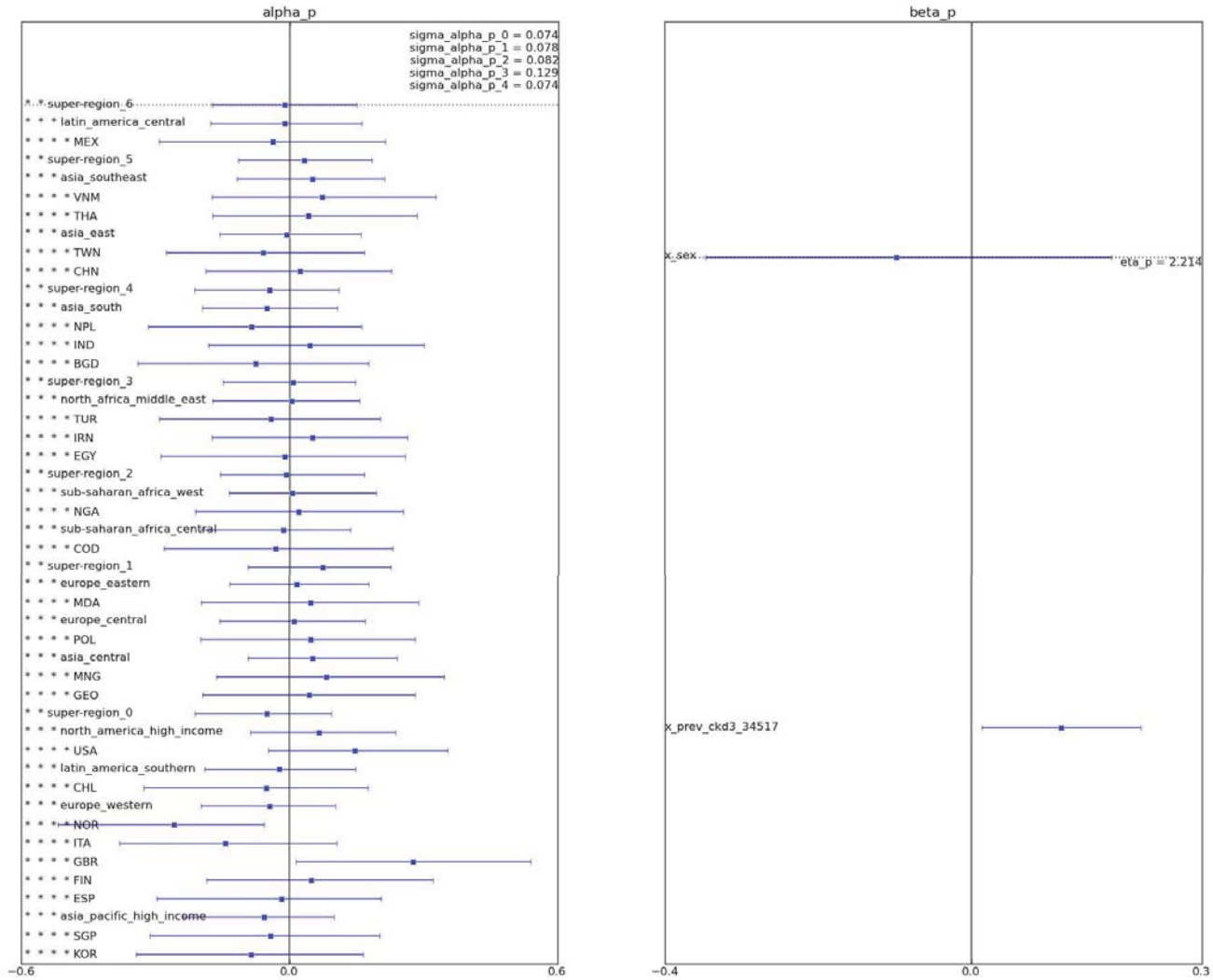
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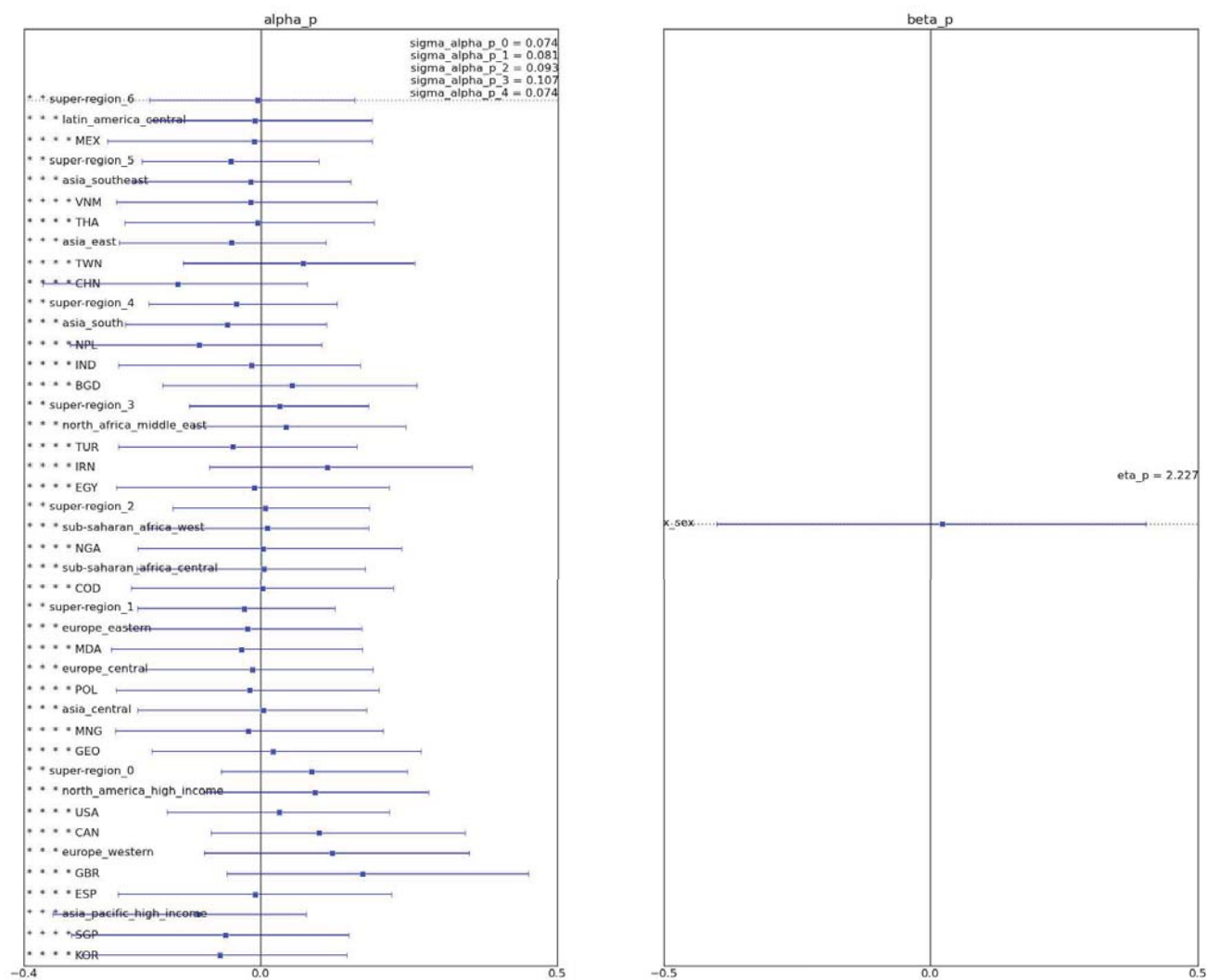
Annex Figure 1: CKD Stage 3 random and fixed effects for prevalence estimates



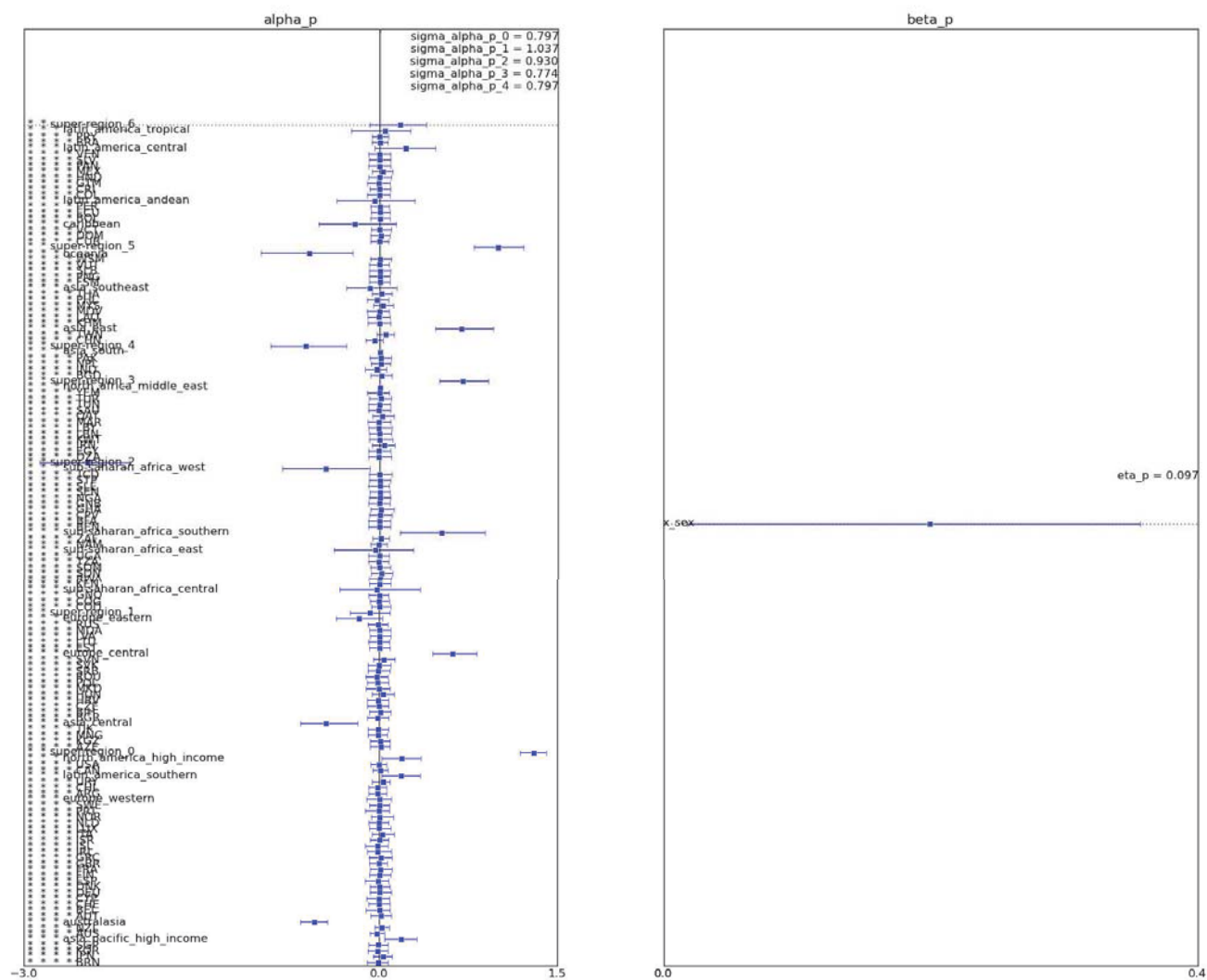
Annex Figure 2: CKD Stage 4 random and fixed effects for prevalence estimates



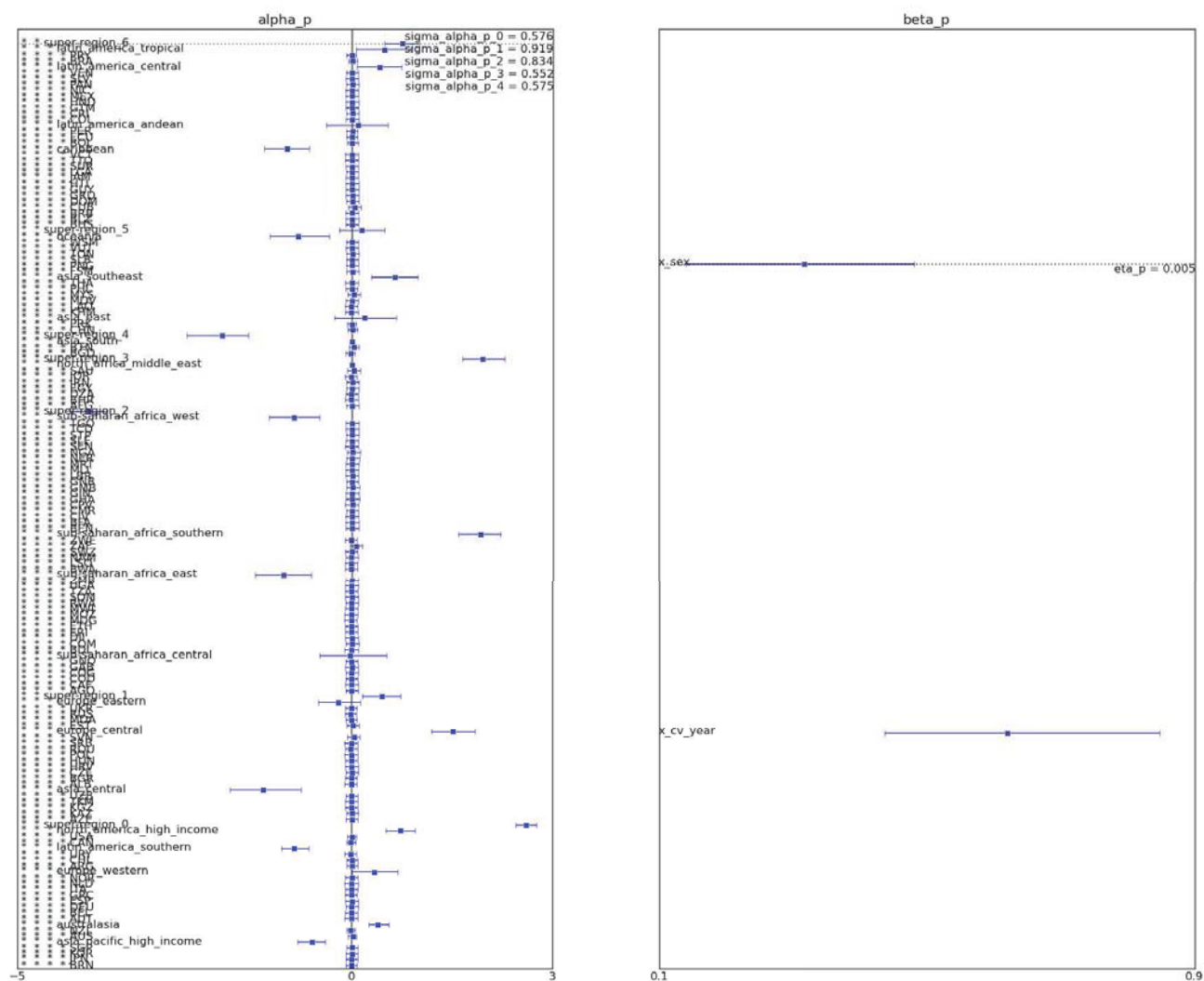
Annex Figure 3: CKD Stage 5 random and fixed effects for prevalence estimates



Annex Figure 4: Dialysis random and fixed effects for prevalence estimates



Annex Figure 5: Kidney transplantation random and fixed effects for prevalence estimates



Annex Table 1 - Garbage code redistribution for all kidney, urologic and gynecological diseases

GBD Cause*	Garbage Code	Name of Garbage Code	Number of Deaths	Per 100,000 deaths	Per 100,000 garbage codes	Method and proportion for redistribution for this garbage code
all non GC kidney, urologic and gynecological diseases		all unlikely and ill defined causes	7,277,196	4,742.6	20,816.5	All unlikely and ill defined causes redistribute proportionally on all causes including all injuries
all non GC kidney, urologic and gynecological diseases	R54	Senility	3,076,507	2,005.0	8,800.4	Ages over 60 were redistributed on all causes except injuries (but including W78-W84, X50-X51, X53-X57, X68, X60-X67, X69)
B09.1.2.1, B09.1.2.4, B09.1.1.2.1	A40	Streptococcal septicaemia	1,489,729	970.9	4,261.4	Any deaths in ages under one month attributed to these codes were mapped to P36.
	A40.0	Septicaemia due to streptococcus, group A				6% of deaths in males ages over 1 month until 55 years attributed to these codes redistribute proportionally on (N10, N11, N41)
	A40.1	Septicaemia due to streptococcus, group B				
	A40.2	Septicaemia due to streptococcus, group D				4% of deaths in females over 1 month until age 9 years attributed to these codes were redistributed proportionally on (N10, N11, N41)
	A40.3	Septicaemia due to Streptococcus pneumoniae				
	A40.8	Other streptococcal septicaemia				5% of deaths in females age 10-55 years in developing countries attributed to these codes were redistributed proportionally on (N70, N72, N73, N10, N11, N12)
	A40.9	Streptococcal septicaemia, unspecified				
	A41	Other septicaemia				5% of deaths in females age 10-55 years in developed countries attributed to these codes redistribute proportionally on (N10, N11, N41)
	A41.0	Septicaemia due to Staphylococcus aureus				
	A41.1	Septicaemia due to other specified staphylococcus				10.5% of deaths in males and females over 55 years attributed to these codes redistribute proportionally on (N10, N11, N41)
	A41.2	Septicaemia due to unspecified staphylococcus				
	A41.3	Septicaemia due to Haemophilus influenzae				5% of deaths in females age 10-55 years in developed countries attributed to these codes redistribute proportionally on (N10, N11, N41)
	A41.4	Septicaemia due to anaerobes				
	A41.5	Septicaemia due to other Gram-negative organisms				10.5% of deaths in males and females over 55 years attributed to these codes redistribute proportionally on (N10, N11, N41)
	A41.8	Other specified septicaemia				
	A41.9	Septicaemia, unspecified				10.5% of deaths in males and females over 55 years attributed to these codes redistribute proportionally on (N10, N11, N41)
	A483	Toxic shock syndrome				
B09.1.1.2.1	A48.0	Gas gangrene	11,749	7.7	33.6	20% of any deaths attributed to these codes were proportionally redistributed on (E10, E11, E12, E13, E14)
B09.1.3.1	D48.9	Neoplasm of uncertain or unknown behaviour, unspecified	21,636	14.1	61.9	10% of any deaths attributed to this cause in ages over 5 years redistributed on (E10, E11, E12, E13, E14, E15), 10% to (N18, N17)
B09.1.1.2	E878	Other disorders of electrolyte and fluid balance, not elsewhere classified	40,495	26.4	115.8	1% of any deaths attributed to this cause in ages under 5 years redistributed on (E10, E11, E12, E13, E14, E15), 10% to (N18, N17)
B09.1.1.2	E87	Other disorders of fluid, electrolyte and acid-base balance	40,495	26.4	115.8	50% of any deaths attributed to this cause redistributed proportionally on (E10, E11, E12, E13, E14), 20% on (N17, N18)
B09.1.1.2	E872	Acidosis	28,337	18.5	81.1	50% of any deaths attributed to this cause in ages over 5 years redistributed on (E10, E11, E12, E13, E14, E15), 5% of any deaths attributed to this cause in ages under 5 years redistributed on (E10, E11, E12, E13, E14, E15)
B09.1.1.2.1	E87.6	Hypokalaemia	5,317	3.5	15.2	50% of any deaths attributed to this cause in ages over 5 years redistributed on (E10, E11, E12, E13, E14, E15), 5% of any deaths attributed to this cause in ages under 5 years redistributed on (E10, E11, E12, E13, E14, E15)
B09.1.1.1, B09.1.1.2.3, B09.1.2.1, B09.1.2.2, B09.1.2.4, B09.1.3, B09.1.3.4, B09.1.3.5, B09.1.3.7	F329	Depressive episode, unspecified	25,096	16.4	71.8	Any deaths attributed to this cause redistributed proportionally on A00-B99, C00-D48, D50-D89, G00-G37, I00-I99, J10-J99, K20-K93, N00-N99, W78, W79, W80, W81, W83, W84, X40, X41, X42, X43, X44, X45, X44, X46-X54, X57, X60-X69, X85-X89, Y06-Y07, Y44-Y52, Y54, Y55, Y57

B09.1.1.2.1	G81.0	Flaccid hemiplegia	25,273	16.5	72.3	Any deaths attributed to these causes redistributed proportionally 1% on (E10, E11, E12, E13, E14)
	G81.9	Hemiplegia, unspecified				
	G81	Hemiplegia				
B09.1.1.2.1, B09.1.3	G92	Toxic encephalopathy	2,657	1.7	7.6	2% of any deaths attributed to these codes proportionally redistributed on (E10, E11, E12, E13, N17, E14), 2% on (N18, N19)
B09.1.1.2.1, B09.1.1.2.2	G93.6	Cerebral oedema	38,666	25.2	110.6	78% of any deaths attributed to these causes assigned to (I21, I22, I23, I62, I63, I64, I65, I66, I67, I10, I11, I12, I13, I15), 5% to (E10, E11, E12, E13, E14, E15)
B09.1.1.2.2	I10	Essential (primary) hypertension	1,399,870	912.3	4,004.3	23% of any deaths attributed to these causes assigned to (I11, I12, I13)
B09.1.1.2	I31.3	Pericardial effusion (noninflammatory)	5,482	3.6	15.7	70% of any deaths attributed to these causes in ages under 50 years assigned to (N17, N18, N19)
B09.1.1.2.2	I70	Atherosclerosis	1,255,300	818.1	3,590.8	5% redistributed proportionally on (I11, I12, I13)
	I70.9	Generalized and unspecified atherosclerosis				
	I70.1	Atherosclerosis of renal artery	256,603	167.2	734.0	Proportionally redistributed on (I00, I01, I02, I05, I06, I07, I08, I09, I11, I12, I13, I15, I21, I22, I23, I24, I25, I27, I28, I30, I33, I34, I35, I36, I37, I38, I40, I42, I44, I45, I47, I48, I60, I61, I62, I63, I64, I65, I66, I67, I69, I71, I72, I73, I74, I77, I78, I80, I81, I82, I83, I84, I86, I87, I88, I89, I95)
	I70.0	Atherosclerosis of aorta				
B09.1.1.2.2	I99	Other and unspecified disorders of circulatory system	77,230	50.3	220.9	
B09.1.1.1, B09.1.1.2.2, B09.1.1.2.3, B09.1.2.1	J81	Pulmonary oedema	237,264	154.6	678.7	5% redistributed proportionally on (I11, I12, I13), 5% on (N00, N01, N02, N03, N04, N10, N17)
B09.1.1.2.1, B09.1.1.2.2	J96.9	Respiratory failure, unspecified	289,879	188.9	829.2	6% of any deaths attributed to these codes in ages under 5 were redistributed proportionally on (E10, E11, E13, E12, E14, E15)
	J96.0	Acute respiratory failure	166,355	108.4	475.9	6% of any deaths attributed to these codes in ages over 5 were redistributed proportionally on (E10, E11, E13, E12, E14, E15)
	J96	Respiratory failure, not elsewhere classified	145,007	94.5	414.8	
B09.1.1.2	J98.1	Pulmonary collapse	9,462	6.2	27.1	5% of any deaths attributed to these codes in ages over 30 years were redistributed proportionally on (I50, I26, J81, K73, K74, N17, N18, N19)
B09.1.2.1	K65	Peritonitis	155,575	101.4	445.0	1% of any deaths under age 15 attributed to these codes were redistributed proportionally on (N10, N11, N12, N13, N15), 0% on (N70, N73, N82)
	K65.0	Acute peritonitis				1% of any deaths attributed to these codes in females 15-50 years were redistributed proportionally on (N10, N11, N12, N13, N15), 10% on (N70, N73, N82)
	K65.8	Other peritonitis				1% of any deaths attributed to these codes in males 15-50 years redistributed proportionally on (N10, N11, N12, N13, N15), 0% on (N70, N73, N82)
	K65.9	Peritonitis, unspecified				1% of any deaths attributed to these codes in both sexes over 50 years were redistributed proportionally on (N10, N11, N12, N13, N15), 0% on (N70, N73, N82)
B09.1.3.4, B09.1.3.7	K66.0	Peritoneal adhesions	5,636	3.7	16.1	0% of male deaths attributed to these codes were redistributed proportionally on (N70, N73, N80, O03-O08, O23, O85, O86)
	K66	Other disorders of peritoneum				50% of female deaths that attributed to these codes were redistributed proportionally on (N70, N73, N80, O03-O08, O23, O85, O86)
	K66.9	Disorder of peritoneum, unspecified				
B09.1.1.2.1	M86.0	Acute haematogenous osteomyelitis	34,400	22.4	98.4	5% of any deaths attributed to these codes in ages over 5 years were redistributed proportionally on (E10, E11, E12, E13, E14)
	M86.1	Other acute osteomyelitis				
	M86.2	Subacute osteomyelitis				
	M86.3	Chronic multifocal osteomyelitis				
	M86.4	Chronic osteomyelitis with draining sinus				
	M86.5	Other chronic haematogenous osteomyelitis				
	M86.6	Other chronic osteomyelitis				
	M86.8	Other osteomyelitis				
	M86.9	Osteomyelitis, unspecified				
B09.1.1.2.1	M86	Osteomyelitis	11,749	7.7	33.6	20% of any deaths attributed to these codes were proportionally redistributed on these codes (E10, E11, E12, E13, E14)
	R02	Gangrene, not elsewhere classified				
B03.2, B03.3.1, B03.3.2, B03.4.7	R40	Somnolence, stupor and coma	29,168	19.0	83.4	10% of any deaths attributed to these causes in ages under 60 years were redistributed proportionally on (E10, E11, E12, E13, E14, E15)
	R40.0	Somnolence	29,168	19.0	83.4	
	R40.1	Stupor	29,168	19.0	83.4	10% of any deaths attributed to these causes in ages over 60 years were redistributed proportionally on (E10, E11, E12, E13, E14, E15)
	R40.2	Coma, unspecified		-	-	

B09.1.1.1, B09.1.1.2.2, B09.1.1.2.3, B09.1.2.1	R50	Fever of unknown origin	46,963	30.6	134.3	Any deaths in ages under 60 attributed to these causes were redistributed proportionally on A15, A16, A18, A19, K61, K630, K75, K04, K05, N70, N72, N73, I33, I38, M87, J01, J32, B20, B21, B22, B23, B24, J15, J85, C819, C82, C83, C842, C843, C844, C845, C85, C883, C915, C963, C64, C18, C22, D46, C46, C48, C49, C499, C540, C541, C719, C822, C830, C833, C834, C835, M05, M06, M08, M13, M30, M32, I00, I01, I02, I05, I06, I07, M023, K51, A01, Y40, Y41, K70, K73, K74, I80, I88, D86 and same as this for age over 60 but excluding (N73, N72, N70, B24, B23, B22, B21, B20)
	R50.9	Fever, unspecified				
	R56.0	Febrile convulsions				
	R500	Fever with Chills				
	R501	persistent fever				
	R502	Drug-induced fever				
	R508	Other specified fever				
B09.1.1.2.2	R57.9	Shock, unspecified	18,634	12.1	53.3	70% of any deaths attributed to these causes in males and females <15 and >50 year were proportionally redistributed on (I21-I25, I23, I24, I11, I13, I05-I08, I34-I37, I71) 50% of any deaths attributed to these causes in females >15 and <50 years were proportionally redistributed on (I21-I25, I23, I24, I11, I13, I05-I08, I34-I37, I71)
B09.1.1.2.2	R57.0	Cardiogenic shock	45,977	30.0	131.5	Any deaths attributed to these causes were redistributed proportionally on I21-I25, I23, I24 , I11, I13, I05-I08, I34-I37, I71
B09.1.1.1, B09.1.1.2.1, B09.1.1.2.2, B09.1.1.2.3, B09.1.2.1, B09.1.2.2, B09.1.2.4	N17	Acute renal failure	2,145,949	1,398.5	6,138.5	75% of any deaths attributed to this code in ages over 15 in males and ages over 50 in females were proportionally redistributed on {(E10.2, E11.2, E12.2, E13.2, E14.2), (I12, I12.0, I12.9, I13, I13.0, I13.1, I13.9, I13.2), (N04, N03, N05, N02, N06, N07, N15.0)}, 6.2 % to (N00, N01, N12, N15, N30, N34, N20, N21, N13, N23, N25, N26, N27, N28, N31, N32, N39, N41, N42), 0.01% to (A00, A03, A04, A08, A09, F50.0, K85), 0.1% to (X00-X18), 0.01% to (V01-V99, W00-W19, W20-W64, X73-X82, X93-Y04, Y36, X34, X35, X54, X30), 1.5% to (I05-I08), 4% to (I11, I11.0, I11.9), 0.5% to (J43, J44, J84, J60-J65), 0.5% to (I21-I25, I23, I24), 1% to (I40-I43), 0.6% to (I80, I82, I33), 0.8 % to (A01, A02, A04, A20, A21, A22, A24, A27, A32, A44, A39, A87, B01, B05, B20, B21, B22, B23, B24, B25, B37.7, B38.7, B40.7, B39.3, B41.7, B42.7, B44.7, B45.7, B46.4), 0.2% to (D80, D81, D82, D83, D84), 0.4 % to (G03, G04, G06), 0.2% to (H05.0, H70), 0.2% to (I30, I33), 0.8 % to (J12, J13, J14, J15, J18, J16, J85), 0.2% to (K35, K61, K81), 0.2% to (L00, L02, L03, L04), 0.2% to (M00), 0.4% to (N41), 1.2 % to (C16, C17, C18, C22, C23, C24, C25), 1.2 % to (K73, K80, K74), 0.5 % to (D86, L93), 0.87% to (C81, C82, C84, C83, C88, C90, C91, C92, C93, C94, C95), 0.2% to (Y40-Y58), 3% to (Q60, Q61, Q62, Q63, Q64)
	N17.0	Acute renal failure with tubular necrosis				
	N17.1	Acute renal failure with acute cortical necrosis				
	N17.2	Acute renal failure with medullary necrosis				
	N17.8	Other acute renal failure				
	N17.9	Acute renal failure, unspecified				70% of any death attributed to this code in age 15-49 in female proportionally redistributed on these code {(E10.2, E11.2, E12.2, E13.2, E14.2), (I12, I12.0, I12.9, I13, I13.0, I13.1, I13.9, I13.2), (N04, N03, N05, N02, N06, N07, N15.0)}, 9 % to (N00, N01, N12, N15, N30, N34, N20, N21, N13, N23, N25, N26, N27, N28, N31, N32, N39, N41, N42) , 0.01% to (A00, A03, A04, A08, A09, F50.0, K85), 0.1% to (X00-X18), 0.01% to (V01-V99, W00-W19, W20-W64, X73-X82, X93-Y04, Y36, X34, X35, X54, X30) , 1.5% to (I05-I08), 4% to (I11, I11.0, I11.9), 0.5% to (J43, J44, J84, J60-J65), 0.5% to (I21-I25, I23, I24) 1% to (I40-I43), 0.6% to (I80, I82, I33), 1% to (O00, O01, O02, O03, O04, O05, O06, O07, O08, O43, O45, O64, O65, O66, O67, O87, O88), 0.8 % to (A01, A02, A04, A20, A21, A22, A24, A27, A32, A44, A39, A87, B01, B05, B20, B21, B22, B23, B24, B25, B37.7, B38.7, B40.7, B39.3, B41.7, B42.7, B44.7, B45.7, B46.4), 0.2% to (D80, D81, D82, D83, D84), 0.4 % to (G03, G04, G06) , 0.2% to (H05.0, H70), 0.2% to (I30, , I33), 0.8 % to (J12, J13, J14, J15, J18, J16, J85), 0.2% to (K35, K61, K81), 0.2% to (L00, L02, L03, L04), 0.2% to (M00), 0.4% to (N70, N41, N73, N72) 1% to (O23, O85, O86), 1.2 % to (C16, C17, C18, C22, C23, C24, C25), 1.2 % to (K73, K80, K74), 0.8 % to (D86, L93), 0.2% to (C81, C82, C84, C83, C88, C90, C91, C92, C93, C94, C95), 0.2 % to (Y40-Y58), 3.57% to (Q60, Q61, Q62, Q63, Q64)
	N18	Chronic renal failure				
	N18.0	End-stage renal disease				
	N18.8	Other chronic renal failure				35% of any deaths attributed to this code in ages under 15 were proportionally redistributed on these codes {(E10.2, E11.2, E12.2, E13.2, E14.2), (I12, I12.0, I12.9, I13, I13.0, I13.1, I13.9, I13.2), (N04, N03, N05, N02, N06, N07, N15.0)}, 10% to (N00, N01, N12, N15, N30, N34, N20, N21, N13, N23, N25, N26, N27, N28, N31, N32, N39, N41, N42), 4% to (A00, A03, A04, A08, A09, F50.0, K85), 1% to (X00-X18), 1% to (V01-V99, W00-W19, W20-W64, X73-X82, X93-Y04, Y36, X34, X35, X54, X30), 4% to (I05-I08), 0.5% to (I11, I11.0, I11.9), 5% to (I40-I43), 0.6% to (I80, I82, I33), 5 % to (A01, A02, A04, A20, A21, A22, A24, A27, A32, A44, A39, A87, B01, B05, B20, B21, B22, B23, B24, B25, B37.7, B38.7, B40.7, B39.3, B41.7, B42.7, B44.7, B45.7, B46.4), 3% to (D80, D81, D82, D83, D84), 4 % to (G03, G04, G06) , 1% to (H05.0, H70), 1% to (I30, I33), 5 % to (J12, J13, J14, J15, J18, J16, J85), 0.1% to (K35, K61, K81), 1% to (L00, L02, L03, L04), 1% to (M00), 1% to (C16, C17, C18, C22, C23, C24, C25), 0.2% to (C81, C82, C84, C83, C88, C90, C91, C92, C93, C94, C95), 0.2 % to (Y40-Y58), 16.4% to (Q60, Q61, Q62, Q63, Q64)
	N18.9	Chronic renal failure, unspecified				
	N19	Unspecified renal failure				

* B09.1.1 = Kidney diseases, B09.1.1.1 = Acute glomerulonephritis, B09.1.1.2 = Chronic kidney diseases, B09.1.1.2.1 = CKD due to diabetes mellitus, B09.1.1.2.2 = CKD due to hypertension, B09.1.1.2.2 = CKD, unspecified and other type of chronic kidney diseases, B09.1.2 = Other urinary diseases, B09.1.2.1 = Acute tubulointerstitial nephritis , pyelonephritis and Urinary tract infections, B09.1.2.2 = Urolithiasis, B09.1.2.3 = Hyperplasia of prostate, B09.1.2.4 = Other Urinary diseases, B09.1.3 = Gynecological diseases, B09.1.3.1 = Menorrhagia due to fibroids, B09.1.3.2 = Polycystic ovarian syndrome, B09.1.3.3 = Infertility (female), B09.1.3.4 = Endometriosis, B09.1.3.5 = Genital prolapse, B09.1.3.6 = Premenstrual syndrome, B09.1.3.7 = Other gynecological disorders

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	1	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.738	0.633	0.538	29
v17_F_PNN_80	2	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.747	0.634	0.537	28
v17_F_PNN_80	3	Spatiotemporal	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.746	0.634	0.536	27
v17_F_PNN_80	4	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L)	0.446	0.745	0.635	0.536	27
v17_F_PNN_80	5	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita)	0.446	0.750	0.634	0.536	26
v17_F_PNN_80	6	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.739	0.633	0.535	25
v17_F_PNN_80	7	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.751	0.634	0.537	24
v17_F_PNN_80	8	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.446	0.754	0.634	0.539	24
v17_F_PNN_80	9	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita)	0.446	0.750	0.635	0.536	23
v17_F_PNN_80	10	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.446	0.755	0.634	0.538	22
v17_F_PNN_80	11	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg)	0.446	0.743	0.635	0.535	22

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	12	Spatiotemporal	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.446	0.754	0.634	0.537	21
v17_F_PNN_80	13	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.446	0.746	0.634	0.535	20
v17_F_PNN_80	14	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.446	0.756	0.635	0.537	20
v17_F_PNN_80	15	Spatiotemporal	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.446	0.747	0.633	0.535	19
v17_F_PNN_80	16	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.446	0.742	0.634	0.535	19
v17_F_PNN_80	17	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.574	0.750	0.535	0.535	18
v17_F_PNN_80	18	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion)	0.446	0.746	0.635	0.534	18
v17_F_PNN_80	19	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.574	0.750	0.535	0.535	17

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	20	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.446	0.752	0.636	0.535	17
v17_F_PNN_80	21	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.573	0.756	0.533	0.535	16
v17_F_PNN_80	22	Mixed Effects	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.575	0.752	0.534	0.535	16
v17_F_PNN_80	23	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.446	0.757	0.636	0.536	15
v17_F_PNN_80	24	Spatiotemporal	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.446	0.754	0.633	0.535	15
v17_F_PNN_80	25	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.574	0.757	0.537	0.536	14
v17_F_PNN_80	26	Mixed Effects	Logit CF	Health System Access BMI (mean per capita) Whole Grains (kcal per capita)	0.575	0.751	0.535	0.534	14
v17_F_PNN_80	27	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.446	0.753	0.636	0.534	14
v17_F_PNN_80	28	Spatiotemporal	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.446	0.755	0.636	0.535	13

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	29	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.574	0.752	0.536	0.534	13
v17_F_PNN_80	30	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.446	0.758	0.636	0.536	12
v17_F_PNN_80	31	Mixed Effects	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.575	0.759	0.535	0.536	12
v17_F_PNN_80	32	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.446	0.759	0.635	0.536	12
v17_F_PNN_80	33	Mixed Effects	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.574	0.757	0.536	0.535	11
v17_F_PNN_80	34	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.576	0.749	0.534	0.533	11
v17_F_PNN_80	35	Spatiotemporal	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.446	0.768	0.635	0.537	11
v17_F_PNN_80	36	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.446	0.767	0.635	0.536	10
v17_F_PNN_80	37	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.574	0.751	0.535	0.533	10
v17_F_PNN_80	38	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.573	0.756	0.534	0.535	10

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	39	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.446	0.769	0.636	0.536	9
v17_F_PNN_80	40	Mixed Effects	Logit CF	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.573	0.756	0.535	0.534	9
v17_F_PNN_80	41	Spatiotemporal	Logit CF	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.446	0.770	0.635	0.536	9
v17_F_PNN_80	42	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.574	0.760	0.537	0.535	9
v17_F_PNN_80	43	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.576	0.757	0.535	0.534	8
v17_F_PNN_80	44	Spatiotemporal	Logit CF	BMI (mean per capita)	0.446	0.755	0.636	0.534	8
v17_F_PNN_80	45	Mixed Effects	Logit CF	Health System Access BMI (mean per capita)	0.575	0.760	0.534	0.535	8
v17_F_PNN_80	46	Mixed Effects	Logit CF	BMI (mean per capita)	0.575	0.760	0.534	0.535	8
v17_F_PNN_80	47	Mixed Effects	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.575	0.752	0.534	0.532	7
v17_F_PNN_80	48	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita) Whole Grains (kcal per capita)	0.446	0.756	0.636	0.534	7
v17_F_PNN_80	49	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.574	0.757	0.535	0.534	7
v17_F_PNN_80	50	Mixed Effects	Logit CF	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.575	0.763	0.535	0.535	7
v17_F_PNN_80	51	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita)	0.576	0.754	0.533	0.533	7

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	52	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L)	0.576	0.757	0.533	0.534	6
v17_F_PNN_80	53	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.578	0.755	0.534	0.532	6
v17_F_PNN_80	54	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.574	0.757	0.535	0.534	6
v17_F_PNN_80	55	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita)	0.446	0.760	0.636	0.534	6
v17_F_PNN_80	56	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg)	0.576	0.756	0.533	0.532	6
v17_F_PNN_80	57	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.574	0.758	0.534	0.534	6
v17_F_PNN_80	58	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.576	0.758	0.534	0.534	5
v17_F_PNN_80	59	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.446	0.759	0.636	0.534	5
v17_F_PNN_80	60	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.574	0.762	0.534	0.534	5
v17_F_PNN_80	61	Mixed Effects	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.574	0.759	0.535	0.533	5

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	62	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.578	0.758	0.533	0.531	5
v17_F_PNN_80	63	Mixed Effects	Logit CF	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.574	0.761	0.534	0.533	5
v17_F_PNN_80	64	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion)	0.578	0.762	0.533	0.531	5
v17_F_PNN_80	65	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.788	0.644	0.520	4
v17_F_PNN_80	66	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.790	0.642	0.520	4
v17_F_PNN_80	67	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.788	0.642	0.520	4
v17_F_PNN_80	68	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.792	0.643	0.522	4
v17_F_PNN_80	69	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.794	0.642	0.520	4

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	70	Spatiotemporal	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.793	0.642	0.520	4
v17_F_PNN_80	71	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$	0.448	0.791	0.643	0.520	4
v17_F_PNN_80	72	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.794	0.644	0.520	4
v17_F_PNN_80	73	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.788	0.642	0.518	3
v17_F_PNN_80	74	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.449	0.794	0.644	0.520	3
v17_F_PNN_80	75	Spatiotemporal	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.449	0.796	0.645	0.521	3
v17_F_PNN_80	76	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.790	0.645	0.518	3

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	77	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg)	0.449	0.790	0.643	0.518	3
v17_F_PNN_80	78	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.449	0.791	0.645	0.518	3
v17_F_PNN_80	79	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.792	0.643	0.519	3
v17_F_PNN_80	80	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.795	0.644	0.520	3
v17_F_PNN_80	81	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.449	0.797	0.644	0.523	3
v17_F_PNN_80	82	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.795	0.645	0.519	3
v17_F_PNN_80	83	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.790	0.643	0.517	3
v17_F_PNN_80	84	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.449	0.796	0.643	0.519	3
v17_F_PNN_80	85	Spatiotemporal	Log Rate	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.797	0.645	0.520	2

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	86	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.448	0.796	0.644	0.519	2
v17_F_PNN_80	87	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.798	0.643	0.520	2
v17_F_PNN_80	88	Spatiotemporal	Log Rate	Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.448	0.797	0.644	0.519	2
v17_F_PNN_80	89	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.448	0.791	0.644	0.516	2
v17_F_PNN_80	90	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.590	0.800	0.524	0.520	2
v17_F_PNN_80	91	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.789	0.643	0.515	2
v17_F_PNN_80	92	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.794	0.643	0.517	2

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	93	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.792	0.643	0.516	2
v17_F_PNN_80	94	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.800	0.644	0.519	2
v17_F_PNN_80	95	Spatiotemporal	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.449	0.797	0.643	0.518	2
v17_F_PNN_80	96	Mixed Effects	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.590	0.799	0.522	0.518	2
v17_F_PNN_80	97	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.794	0.644	0.516	2
v17_F_PNN_80	98	Spatiotemporal	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.796	0.642	0.516	2

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	99	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.795	0.643	0.516	2
v17_F_PNN_80	100	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.788	0.642	0.514	2
v17_F_PNN_80	101	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.791	0.642	0.515	2
v17_F_PNN_80	102	Spatiotemporal	Log Rate	Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.795	0.642	0.515	1
v17_F_PNN_80	103	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access	0.448	0.797	0.644	0.516	1
v17_F_PNN_80	104	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg)	0.448	0.801	0.644	0.518	1
v17_F_PNN_80	105	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.791	0.643	0.514	1

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	106	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.594	0.796	0.520	0.515	1
v17_F_PNN_80	107	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.797	0.642	0.516	1
v17_F_PNN_80	108	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.790	0.643	0.514	1
v17_F_PNN_80	109	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg)	0.449	0.808	0.645	0.521	1
v17_F_PNN_80	110	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$	0.589	0.801	0.522	0.517	1
v17_F_PNN_80	111	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.591	0.800	0.519	0.517	1

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	112	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.593	0.793	0.516	0.514	1
v17_F_PNN_80	113	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.449	0.810	0.645	0.521	1
v17_F_PNN_80	114	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.591	0.806	0.518	0.519	1
v17_F_PNN_80	115	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.590	0.803	0.521	0.518	1
v17_F_PNN_80	116	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.449	0.802	0.644	0.517	1
v17_F_PNN_80	117	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.590	0.806	0.523	0.519	1
v17_F_PNN_80	118	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg)	0.449	0.808	0.647	0.520	1
v17_F_PNN_80	119	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.790	0.642	0.512	1

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	120	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.590	0.803	0.523	0.517	1
v17_F_PNN_80	121	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.796	0.516	0.514	1
v17_F_PNN_80	122	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.799	0.643	0.515	1
v17_F_PNN_80	123	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.448	0.803	0.643	0.517	1
v17_F_PNN_80	124	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.799	0.642	0.515	1
v17_F_PNN_80	125	Mixed Effects	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.801	0.519	0.516	1

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	126	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.794	0.643	0.513	1
v17_F_PNN_80	127	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.591	0.807	0.518	0.518	1
v17_F_PNN_80	128	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.449	0.803	0.644	0.517	1
v17_F_PNN_80	129	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.594	0.796	0.516	0.514	1
v17_F_PNN_80	130	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.800	0.642	0.515	1
v17_F_PNN_80	131	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.797	0.644	0.514	1

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	132	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.591	0.801	0.517	0.515	1
v17_F_PNN_80	133	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.800	0.643	0.515	1
v17_F_PNN_80	134	Spatiotemporal	Log Rate	Systolic Blood Pressure (mmHg)	0.448	0.811	0.646	0.519	1
v17_F_PNN_80	135	Spatiotemporal	Log Rate	Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.448	0.804	0.644	0.516	1
v17_F_PNN_80	136	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.800	0.643	0.515	1
v17_F_PNN_80	137	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.590	0.808	0.521	0.517	1
v17_F_PNN_80	138	Spatiotemporal	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.449	0.814	0.646	0.519	1
v17_F_PNN_80	139	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access	0.448	0.807	0.644	0.517	0
v17_F_PNN_80	140	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.801	0.643	0.515	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	141	Mixed Effects	Log Rate	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.802	0.518	0.515	0
v17_F_PNN_80	142	Mixed Effects	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.591	0.810	0.520	0.518	0
v17_F_PNN_80	143	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.594	0.799	0.515	0.514	0
v17_F_PNN_80	144	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.799	0.643	0.513	0
v17_F_PNN_80	145	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.591	0.804	0.515	0.515	0
v17_F_PNN_80	146	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.798	0.643	0.512	0
v17_F_PNN_80	147	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.800	0.642	0.513	0
v17_F_PNN_80	148	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion)	0.449	0.815	0.647	0.518	0

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	149	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.592	0.805	0.516	0.515	0
v17_F_PNN_80	150	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L)	0.449	0.814	0.645	0.518	0
v17_F_PNN_80	151	Spatiotemporal	Log Rate	Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.803	0.642	0.515	0
v17_F_PNN_80	152	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita)	0.449	0.810	0.645	0.516	0
v17_F_PNN_80	153	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.797	0.513	0.510	0
v17_F_PNN_80	154	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.799	0.515	0.512	0
v17_F_PNN_80	155	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg)	0.448	0.808	0.645	0.516	0
v17_F_PNN_80	156	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.802	0.517	0.513	0
v17_F_PNN_80	157	Spatiotemporal	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.801	0.644	0.512	0

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	158	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.592	0.803	0.516	0.513	0
v17_F_PNN_80	159	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.802	0.642	0.512	0
v17_F_PNN_80	160	Spatiotemporal	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.448	0.804	0.641	0.514	0
v17_F_PNN_80	161	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.592	0.806	0.516	0.514	0
v17_F_PNN_80	162	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.593	0.815	0.515	0.517	0
v17_F_PNN_80	163	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.801	0.644	0.512	0
v17_F_PNN_80	164	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Systolic Blood Pressure (mmHg)	0.593	0.808	0.515	0.515	0
v17_F_PNN_80	165	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Systolic Blood Pressure (mmHg)	0.593	0.815	0.515	0.516	0
v17_F_PNN_80	166	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.449	0.823	0.646	0.517	0
v17_F_PNN_80	167	Spatiotemporal	Log Rate	Health System Access	0.448	0.813	0.645	0.515	0
v17_F_PNN_80	168	Spatiotemporal	Log Rate	BMI (mean per capita)	0.449	0.825	0.647	0.517	0

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	169	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.592	0.808	0.514	0.513	0
v17_F_PNN_80	170	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.448	0.803	0.643	0.512	0
v17_F_PNN_80	171	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.596	0.803	0.513	0.511	0
v17_F_PNN_80	172	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita) Log LDI (I\$ per capita)	0.596	0.804	0.514	0.512	0
v17_F_PNN_80	173	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.804	0.644	0.511	0
v17_F_PNN_80	174	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.599	0.803	0.504	0.509	0
v17_F_PNN_80	175	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.593	0.815	0.517	0.515	0
v17_F_PNN_80	176	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.593	0.808	0.515	0.512	0
v17_F_PNN_80	177	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.449	0.811	0.644	0.513	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	178	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.592	0.812	0.517	0.513	0
v17_F_PNN_80	179	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.448	0.807	0.643	0.510	0
v17_F_PNN_80	180	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.598	0.804	0.503	0.508	0
v17_F_PNN_80	181	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.814	0.515	0.513	0
v17_F_PNN_80	182	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.593	0.807	0.514	0.510	0
v17_F_PNN_80	183	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Education (years per capita) Log LDI (I\$ per capita)	0.596	0.819	0.517	0.514	0
v17_F_PNN_80	184	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access	0.599	0.804	0.505	0.505	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	185	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.598	0.805	0.503	0.507	0
v17_F_PNN_80	186	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.448	0.811	0.642	0.511	0
v17_F_PNN_80	187	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg)	0.598	0.833	0.512	0.515	0
v17_F_PNN_80	188	Mixed Effects	Log Rate	Health System Access BMI (mean per capita)	0.602	0.809	0.509	0.508	0
v17_F_PNN_80	189	Mixed Effects	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.594	0.812	0.516	0.510	0
v17_F_PNN_80	190	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.592	0.813	0.516	0.511	0
v17_F_PNN_80	191	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.597	0.810	0.515	0.507	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	192	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.593	0.813	0.511	0.509	0
v17_F_PNN_80	193	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.593	0.812	0.509	0.509	0
v17_F_PNN_80	194	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Education (years per capita) Log LDI (I\$ per capita)	0.597	0.813	0.513	0.509	0
v17_F_PNN_80	195	Mixed Effects	Log Rate	Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.815	0.514	0.511	0
v17_F_PNN_80	196	Mixed Effects	Log Rate	BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.595	0.825	0.513	0.513	0
v17_F_PNN_80	197	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.595	0.818	0.512	0.512	0
v17_F_PNN_80	198	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Systolic Blood Pressure (mmHg)	0.594	0.821	0.514	0.512	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	199	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.597	0.812	0.516	0.507	0
v17_F_PNN_80	200	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Systolic Blood Pressure (mmHg)	0.594	0.824	0.513	0.512	0
v17_F_PNN_80	201	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.597	0.815	0.514	0.510	0
v17_F_PNN_80	202	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.600	0.811	0.509	0.506	0
v17_F_PNN_80	203	Mixed Effects	Log Rate	Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.596	0.813	0.511	0.507	0
v17_F_PNN_80	204	Mixed Effects	Log Rate	Systolic Blood Pressure (mmHg)	0.598	0.821	0.513	0.511	0
v17_F_PNN_80	205	Mixed Effects	Log Rate	Systolic Blood Pressure (mmHg) Log LDI (I\$ per capita)	0.597	0.814	0.511	0.508	0
v17_F_PNN_80	206	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Systolic Blood Pressure (mmHg)	0.594	0.822	0.512	0.510	0
v17_F_PNN_80	207	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.596	0.819	0.513	0.509	0
v17_F_PNN_80	208	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access	0.602	0.817	0.506	0.506	0

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	209	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.601	0.815	0.509	0.501	0
v17_F_PNN_80	210	Mixed Effects	Log Rate	Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.601	0.816	0.512	0.503	0
v17_F_PNN_80	211	Mixed Effects	Log Rate	Health System Access Systolic Blood Pressure (mmHg) Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.597	0.830	0.512	0.508	0
v17_F_PNN_80	212	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.600	0.816	0.501	0.501	0
v17_F_PNN_80	213	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L)	0.604	0.824	0.500	0.504	0
v17_F_PNN_80	214	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.600	0.821	0.508	0.502	0
v17_F_PNN_80	215	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.603	0.827	0.503	0.504	0
v17_F_PNN_80	216	Mixed Effects	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.603	0.837	0.511	0.506	0
v17_F_PNN_80	217	Mixed Effects	Log Rate	Health System Access	0.604	0.825	0.501	0.500	0
v17_F_PNN_80	218	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.601	0.835	0.506	0.505	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_F_PNN_80	219	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.602	0.834	0.503	0.504	0
v17_F_PNN_80	220	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.603	0.827	0.500	0.501	0
v17_F_PNN_80	221	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.601	0.835	0.506	0.503	0
v17_F_PNN_80	222	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Calories (total kcal per capita)	0.602	0.836	0.508	0.502	0
v17_F_PNN_80	223	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion)	0.604	0.830	0.497	0.499	0
v17_F_PNN_80	224	Mixed Effects	Log Rate	BMI (mean per capita)	0.605	0.830	0.496	0.498	0
v17_M_PNN_80	1	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita)	0.419	0.717	0.636	0.536	99
v17_M_PNN_80	2	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.419	0.711	0.636	0.535	89
v17_M_PNN_80	3	Spatiotemporal	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.419	0.709	0.634	0.535	80
v17_M_PNN_80	4	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.419	0.720	0.636	0.536	72

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	5	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.419	0.709	0.635	0.535	65
v17_M_PNN_80	6	Spatiotemporal	Logit CF	BMI (mean per capita)	0.419	0.719	0.637	0.535	59
v17_M_PNN_80	7	Spatiotemporal	Logit CF	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.419	0.711	0.636	0.535	53
v17_M_PNN_80	8	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion) Log LDI (I\$ per capita)	0.419	0.732	0.636	0.536	48
v17_M_PNN_80	9	Spatiotemporal	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.419	0.713	0.635	0.535	43
v17_M_PNN_80	10	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.418	0.720	0.634	0.535	39
v17_M_PNN_80	11	Spatiotemporal	Logit CF	Diabetes Age Standardized Prevalence (proportion)	0.419	0.727	0.636	0.535	35
v17_M_PNN_80	12	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L)	0.419	0.728	0.635	0.535	31
v17_M_PNN_80	13	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.419	0.721	0.637	0.535	28
v17_M_PNN_80	14	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Log LDI (I\$ per capita)	0.419	0.732	0.635	0.535	26
v17_M_PNN_80	15	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita) Education (years per capita)	0.419	0.717	0.636	0.534	23
v17_M_PNN_80	16	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.419	0.714	0.633	0.534	21

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	17	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita)	0.419	0.720	0.637	0.534	19
v17_M_PNN_80	18	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.419	0.717	0.634	0.533	17
v17_M_PNN_80	19	Spatiotemporal	Logit CF	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.419	0.707	0.635	0.531	15
v17_M_PNN_80	20	Mixed Effects	Logit CF	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.546	0.733	0.533	0.535	14
v17_M_PNN_80	21	Spatiotemporal	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.419	0.707	0.635	0.531	12
v17_M_PNN_80	22	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.546	0.735	0.534	0.534	11
v17_M_PNN_80	23	Mixed Effects	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.546	0.733	0.532	0.532	10
v17_M_PNN_80	24	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.548	0.733	0.530	0.532	9
v17_M_PNN_80	25	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.546	0.734	0.533	0.532	8

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	26	Mixed Effects	Logit CF	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.546	0.735	0.534	0.532	7
v17_M_PNN_80	27	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.546	0.734	0.532	0.531	7
v17_M_PNN_80	28	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.549	0.743	0.533	0.533	6
v17_M_PNN_80	29	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.744	0.642	0.522	5
v17_M_PNN_80	30	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.547	0.756	0.532	0.534	5
v17_M_PNN_80	31	Spatiotemporal	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.741	0.643	0.516	4
v17_M_PNN_80	32	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.741	0.643	0.516	4

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	33	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita)	0.546	0.759	0.532	0.534	4
v17_M_PNN_80	34	Mixed Effects	Logit CF	Health System Access BMI (mean per capita)	0.547	0.756	0.531	0.532	3
v17_M_PNN_80	35	Mixed Effects	Logit CF	Health System Access BMI (mean per capita) Education (years per capita)	0.546	0.759	0.532	0.533	3
v17_M_PNN_80	36	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.546	0.753	0.530	0.531	3
v17_M_PNN_80	37	Mixed Effects	Logit CF	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Whole Grains (kcal per capita)	0.546	0.753	0.530	0.531	2
v17_M_PNN_80	38	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.740	0.642	0.516	2
v17_M_PNN_80	39	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.741	0.641	0.516	2
v17_M_PNN_80	40	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.740	0.642	0.515	2

Annex Table 2 - Out-of-sample performance for each covariate model

Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	41	Spatiotemporal	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.747	0.643	0.518	2
v17_M_PNN_80	42	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.738	0.641	0.515	1
v17_M_PNN_80	43	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.738	0.643	0.515	1
v17_M_PNN_80	44	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.737	0.641	0.514	1
v17_M_PNN_80	45	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L)	0.549	0.753	0.530	0.530	1
v17_M_PNN_80	46	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.741	0.641	0.515	1
v17_M_PNN_80	47	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.749	0.643	0.517	1
v17_M_PNN_80	48	Mixed Effects	Logit CF	BMI (mean per capita)	0.547	0.762	0.531	0.533	1
v17_M_PNN_80	49	Spatiotemporal	Log Rate	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.747	0.644	0.516	1

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	50	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.547	0.762	0.531	0.533	1
v17_M_PNN_80	51	Spatiotemporal	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.748	0.644	0.516	1
v17_M_PNN_80	52	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L)	0.421	0.749	0.647	0.516	0
v17_M_PNN_80	53	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access	0.421	0.742	0.645	0.514	0
v17_M_PNN_80	54	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion)	0.550	0.757	0.530	0.530	0
v17_M_PNN_80	55	Spatiotemporal	Log Rate	Health System Access	0.421	0.755	0.645	0.519	0
v17_M_PNN_80	56	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.748	0.644	0.515	0
v17_M_PNN_80	57	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.753	0.644	0.516	0
v17_M_PNN_80	58	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.753	0.644	0.516	0
v17_M_PNN_80	59	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access	0.421	0.757	0.645	0.521	0
v17_M_PNN_80	60	Spatiotemporal	Log Rate	Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.421	0.759	0.643	0.523	0
v17_M_PNN_80	61	Mixed Effects	Logit CF	Diabetes Fasting Plasma Glucose (mmol/L) Log LDI (I\$ per capita)	0.549	0.763	0.530	0.530	0
v17_M_PNN_80	62	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.421	0.758	0.644	0.518	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	63	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.421	0.747	0.644	0.514	0
v17_M_PNN_80	64	Mixed Effects	Logit CF	Diabetes Age Standardized Prevalence (proportion) Log LDI (I\$ per capita)	0.550	0.767	0.530	0.530	0
v17_M_PNN_80	65	Spatiotemporal	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.421	0.750	0.644	0.515	0
v17_M_PNN_80	66	Spatiotemporal	Log Rate	BMI (mean per capita)	0.421	0.755	0.647	0.516	0
v17_M_PNN_80	67	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.749	0.644	0.514	0
v17_M_PNN_80	68	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.421	0.744	0.644	0.511	0
v17_M_PNN_80	69	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.421	0.746	0.645	0.512	0
v17_M_PNN_80	70	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.421	0.750	0.647	0.514	0
v17_M_PNN_80	71	Spatiotemporal	Log Rate	Health System Access BMI (mean per capita)	0.421	0.751	0.645	0.513	0
v17_M_PNN_80	72	Spatiotemporal	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.421	0.755	0.644	0.513	0
v17_M_PNN_80	73	Mixed Effects	Log Rate	BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.786	0.507	0.509	0
v17_M_PNN_80	74	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.779	0.505	0.506	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	75	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.788	0.510	0.508	0
v17_M_PNN_80	76	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.785	0.505	0.506	0
v17_M_PNN_80	77	Mixed Effects	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.789	0.511	0.511	0
v17_M_PNN_80	78	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.570	0.780	0.503	0.505	0
v17_M_PNN_80	79	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.567	0.787	0.510	0.507	0
v17_M_PNN_80	80	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.567	0.788	0.511	0.508	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	81	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita) Education (years per capita) Log LDI (I\$ per capita)	0.568	0.777	0.506	0.504	0
v17_M_PNN_80	82	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.570	0.778	0.504	0.502	0
v17_M_PNN_80	83	Mixed Effects	Log Rate	Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.570	0.801	0.512	0.513	0
v17_M_PNN_80	84	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.570	0.800	0.512	0.511	0
v17_M_PNN_80	85	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access	0.572	0.791	0.507	0.507	0
v17_M_PNN_80	86	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Education (years per capita) Log LDI (I\$ per capita)	0.569	0.788	0.507	0.505	0
v17_M_PNN_80	87	Mixed Effects	Log Rate	Health System Access BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.570	0.786	0.505	0.504	0
v17_M_PNN_80	88	Mixed Effects	Log Rate	Health System Access BMI (mean per capita)	0.572	0.786	0.506	0.502	0
v17_M_PNN_80	89	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.569	0.791	0.507	0.506	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proprtion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	90	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.569	0.790	0.507	0.506	0
v17_M_PNN_80	91	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Education (years per capita) Log LDI (I\$ per capita)	0.569	0.789	0.508	0.505	0
v17_M_PNN_80	92	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access BMI (mean per capita)	0.572	0.785	0.500	0.500	0
v17_M_PNN_80	93	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Health System Access	0.572	0.786	0.500	0.500	0
v17_M_PNN_80	94	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.571	0.790	0.502	0.505	0
v17_M_PNN_80	95	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.569	0.810	0.513	0.508	0
v17_M_PNN_80	96	Mixed Effects	Log Rate	Health System Access	0.572	0.789	0.505	0.505	0
v17_M_PNN_80	97	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita) Education (years per capita) Log LDI (I\$ per capita)	0.569	0.804	0.511	0.507	0
v17_M_PNN_80	98	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.571	0.790	0.505	0.505	0

Annex Table 2 - Out-of-sample performance for each covariate model									
Model Name	Rank	Model Type	Dependent Variable	Covariates	Root Mean Squared Error		Proportion with Correct Trend		Draws
					In-Sample	Test 1	In-Sample	Test 1	
v17_M_PNN_80	99	Mixed Effects	Log Rate	Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.571	0.788	0.503	0.501	0
v17_M_PNN_80	100	Mixed Effects	Log Rate	BMI (mean per capita)	0.572	0.798	0.511	0.506	0
v17_M_PNN_80	101	Mixed Effects	Log Rate	BMI (mean per capita) Animal Fats (kcal per capita) Red Meat (kcal per capita) Whole Grains (kcal per capita)	0.571	0.792	0.507	0.505	0
v17_M_PNN_80	102	Mixed Effects	Log Rate	Diabetes Age Standardized Prevalence (proportion) Health System Access Animal Fats (kcal per capita) Red Meat (kcal per capita)	0.571	0.796	0.502	0.502	0
v17_M_PNN_80	103	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L)	0.572	0.797	0.494	0.497	0
v17_M_PNN_80	104	Mixed Effects	Log Rate	Diabetes Fasting Plasma Glucose (mmol/L) BMI (mean per capita)	0.572	0.797	0.498	0.498	0

Annex Table 3 - Deaths by GBD region, 1980-2011																
GBD Region	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America, High Income	26,634	27,454	27,996	28,857	29,742	30,706	31,461	31,947	32,558	32,712	32,963	33,479	34,074	35,337	36,289	37,269
Latin America, Southern	4,399	4,566	4,645	4,988	5,186	5,170	5,349	5,480	5,694	5,827	5,963	5,944	6,087	6,140	6,315	6,449
Europe, Western	41,659	41,849	42,270	42,721	42,948	43,457	43,960	43,846	43,887	44,078	44,644	44,600	44,782	44,818	45,373	45,827
Australasia	1,567	1,611	1,656	1,683	1,727	1,785	1,832	1,879	1,937	1,991	2,046	2,085	2,170	2,245	2,341	2,410
Asia Pacific, High Income	14,073	14,384	14,642	15,197	15,644	15,989	16,470	16,949	17,779	18,463	19,163	19,949	20,896	21,713	22,509	23,558
Europe, Eastern	6,662	6,667	6,681	6,909	7,261	6,999	6,346	6,417	6,591	6,819	6,917	6,850	7,267	8,240	9,061	8,816
Europe, Central	9,334	9,310	9,355	9,506	9,642	9,765	9,791	9,769	9,714	9,747	9,862	9,756	9,706	9,576	9,672	9,801
Asia, Central	2,726	2,769	2,825	2,895	2,952	3,017	3,082	3,160	3,287	3,440	3,628	3,853	4,103	4,314	4,517	4,669
Sub-Saharan Africa, West	6,494	6,722	6,965	7,221	7,478	7,783	8,129	8,439	8,747	9,102	9,492	9,796	10,186	10,687	11,035	11,479
Sub-Saharan Africa, Southern	3,517	3,582	3,650	3,715	3,756	3,821	3,893	3,959	4,064	4,190	4,347	4,483	4,690	4,934	5,254	5,584
Sub-Saharan Africa, East	6,698	6,935	7,189	7,473	7,727	8,009	8,306	8,641	8,969	9,312	9,733	10,105	10,509	10,911	11,323	11,711
Sub-Saharan Africa, Central	1,664	1,722	1,786	1,850	1,918	1,976	2,043	2,103	2,171	2,242	2,329	2,424	2,515	2,600	2,675	2,758
North Africa / Middle East	16,865	17,480	18,178	18,966	19,801	20,698	21,411	21,871	21,669	21,409	21,363	21,556	21,977	22,195	22,579	22,957
Asia, South	76,923	77,615	78,935	80,311	81,790	83,438	85,021	86,586	88,527	90,979	93,824	95,039	96,410	96,977	97,980	98,541
Oceania	413	436	461	488	517	550	585	623	662	703	748	786	832	881	938	990
Asia, Southeast	27,060	27,657	28,924	30,168	31,335	32,853	34,542	36,670	38,971	41,491	43,788	45,664	47,589	49,251	51,105	53,092
Asia, East	55,775	56,558	57,061	57,369	57,711	57,932	57,929	58,121	58,641	59,272	60,495	60,971	62,068	63,270	64,977	67,335
Latin America, Tropical	10,037	10,142	10,099	10,203	10,541	10,737	10,815	10,779	10,954	11,020	10,992	11,017	11,543	12,177	12,763	13,316
Latin America, Central	11,600	11,925	12,189	12,461	12,976	13,616	14,015	14,441	14,872	15,330	15,748	16,133	16,838	17,731	18,873	20,215
Latin America, Andean	2,729	2,801	2,881	2,971	3,041	3,122	3,206	3,289	3,375	3,469	3,591	3,716	3,885	4,053	4,250	4,448
Caribbean	1,905	1,978	2,043	2,097	2,148	2,202	2,241	2,250	2,252	2,246	2,258	2,257	2,268	2,330	2,414	2,538
Global	328,735	334,163	340,429	348,049	355,843	363,626	370,426	377,218	385,319	393,841	403,892	410,459	420,393	430,380	442,243	453,761
Annex Table 3 - Deaths by GBD region, 1980-2011																
GBD Region	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
North America, High Income	38,304	39,668	41,585	44,130	46,478	48,887	50,716	52,781	53,910	56,066	57,960	59,555	61,523	63,287	65,433	67,187
Latin America, Southern	6,754	7,037	7,387	7,738	7,964	8,413	8,793	9,201	9,387	9,566	9,734	9,936	10,098	10,485	10,800	11,079
Europe, Western	46,733	47,250	48,223	48,782	49,474	50,326	51,460	53,283	54,553	56,247	57,534	58,747	60,829	62,908	65,249	67,258
Australasia	2,518	2,571	2,584	2,586	2,609	2,658	2,723	2,797	2,870	2,938	3,044	3,156	3,302	3,429	3,554	3,683
Asia Pacific, High Income	24,238	24,965	25,653	26,308	26,841	27,246	27,701	28,616	29,794	30,936	31,748	32,722	33,998	35,271	36,455	37,582
Europe, Eastern	8,346	8,279	8,942	11,013	12,358	12,976	13,677	14,263	14,308	14,810	14,038	13,683	13,814	13,597	13,495	13,596
Europe, Central	10,001	10,238	10,473	10,717	10,805	11,016	11,197	11,458	11,752	12,033	12,196	12,307	12,433	12,611	12,794	12,991
Asia, Central	4,815	4,902	5,001	5,120	5,260	5,546	5,858	6,277	6,841	7,316	7,550	7,726	7,840	7,916	7,917	7,929
Sub-Saharan Africa, West	11,908	12,386	12,851	13,324	13,799	14,201	14,593	14,935	15,324	15,763	16,343	17,002	17,744	18,526	19,321	19,974
Sub-Saharan Africa, Southern	5,998	6,314	6,636	6,946	7,198	7,527	7,774	8,099	8,315	8,628	8,883	9,129	9,475	9,773	9,894	9,836
Sub-Saharan Africa, East	12,128	12,528	12,968	13,382	13,820	14,229	14,656	15,153	15,641	16,281	16,887	17,497	18,220	18,819	19,278	19,609
Sub-Saharan Africa, Central	2,853	2,911	3,015	3,121	3,221	3,308	3,436	3,591	3,724	3,880	4,069	4,294	4,552	4,827	5,063	5,267
North Africa / Middle East	23,569	24,476	25,583	26,709	28,014	29,467	30,858	32,507	34,107	35,289	36,628	38,148	39,799	41,110	42,648	44,231
Asia, South	98,732	99,558	101,082	103,120	103,342	101,678	104,072	106,517	109,305	112,285	116,148	120,544	125,504	130,546	135,594	140,597
Oceania	1,041	1,091	1,146	1,205	1,251	1,303	1,356	1,414	1,476	1,540	1,613	1,692	1,787	1,890	2,002	2,118
Asia, Southeast	55,090	57,024	59,077	61,633	64,632	67,546	70,297	72,985	75,458	77,937	79,905	81,935	83,943	86,161	88,258	90,531
Asia, East	71,040	74,397	77,837	81,272	84,715	88,951	92,386	94,413	95,274	94,462	92,619	91,257	90,149	89,797	89,990	91,165
Latin America, Tropical	14,116	15,058	16,076	17,089	17,951	18,938	19,753	20,713	21,614	22,179	22,866	23,755	24,910	25,708	26,448	27,335
Latin America, Central	22,140	24,680	27,867	30,655	33,268	35,950	38,730	41,689	44,206	47,298	50,027	52,405	56,105	61,039	65,749	69,864
Latin America, Andean	4,711	4,900	5,087	5,256	5,436	5,582	5,755	5,957	6,168	6,446	6,732	7,088	7,394	7,656	7,866	8,047
Caribbean	2,711	2,917	3,126	3,332	3,535	3,755	3,947	4,143	4,313	4,503	4,687	4,851	5,032	5,216	5,401	5,599
Global	467,744	483,148	502,197	523,438	541,971	559,502	579,740	600,790	618,341	636,404	651,211	667,428	688,452	710,572	733,209	755,479

Annex Table 4 - Male deaths by age and GBD region, 1990																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	15,343	0	0	21	7	4	8	15	34	73	127	198	218	255	339	520	901	1,408	1,994	2,581	6,638
Latin America, Southern	3,253	0	0	16	13	8	7	16	24	26	37	47	66	89	129	202	301	382	464	519	905
Europe, Western	20,580	0	0	15	12	7	13	25	43	66	88	116	172	258	429	714	1,162	1,812	2,066	3,890	9,693
Australasia	913	0	0	0	0	0	0	1	2	3	4	5	7	12	16	25	48	76	102	185	425
Asia Pacific, High Income	9,047	0	0	7	7	9	11	27	37	45	72	97	147	208	313	474	647	785	1,060	1,633	3,466
Europe, Eastern	3,488	0	0	15	15	16	20	55	92	126	176	210	232	225	449	405	506	303	208	237	199
Europe, Central	5,135	0	0	8	11	9	13	29	52	55	100	150	188	218	324	463	611	695	506	775	928
Asia, Central	1,886	0	0	33	80	40	34	67	97	111	115	118	106	101	180	154	183	116	89	105	155
Sub-Saharan Africa, West	3,387	0	0	227	612	94	55	52	77	81	86	106	119	162	191	229	270	296	281	246	202
Sub-Saharan Africa, Southern	2,418	0	0	35	53	22	29	38	46	51	71	106	130	162	207	228	267	259	264	207	242
Sub-Saharan Africa, East	4,479	0	0	225	416	63	55	86	165	135	127	178	178	230	281	360	396	442	425	365	352
Sub-Saharan Africa, Central	1,285	0	0	98	206	22	15	19	33	34	37	47	52	68	81	95	110	113	106	82	65
North Africa / Middle East	12,753	0	0	362	281	130	152	269	376	453	518	609	730	771	976	1,177	1,317	1,263	1,203	946	1,223
Asia, South	52,136	0	0	3,420	3,973	1,488	1,066	1,018	2,065	1,460	1,439	1,539	1,476	2,412	2,956	4,429	4,801	4,692	4,310	3,954	5,637
Oceania	449	0	0	15	15	2	5	6	12	12	10	31	21	43	43	51	39	51	26	38	30
Asia, Southeast	24,384	0	0	314	480	229	270	481	717	703	828	967	1,004	1,374	1,856	2,260	2,642	2,639	2,680	2,397	2,541
Asia, East	32,548	0	0	213	173	91	108	1,053	1,671	1,404	1,360	1,591	1,523	1,641	1,970	2,436	2,710	3,030	3,603	3,526	4,444
Latin America, Tropical	6,064	0	0	55	58	30	43	78	109	149	200	257	321	379	479	525	600	638	625	609	912
Latin America, Central	7,936	0	0	114	128	58	84	154	187	194	197	221	244	344	484	613	734	806	787	854	1,732
Latin America, Andean	1,758	0	0	70	81	25	18	28	37	37	41	46	56	68	90	134	162	184	191	205	286
Caribbean	1,406	0	0	24	31	16	10	22	28	29	26	35	41	54	71	91	114	131	164	188	333
Global Males	210,645	0	0	5,288	6,653	2,363	2,015	3,538	5,904	5,248	5,657	6,674	7,034	9,074	11,864	15,585	18,521	20,121	21,153	23,544	40,408
Female deaths by age and GBD region, 1990																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	17,620	0	0	16	6	4	7	12	25	46	77	98	128	175	257	441	791	1,318	1,852	2,565	9,802
Latin America, Southern	2,710	0	0	12	12	8	9	17	18	25	29	41	49	66	99	137	202	273	329	443	943
Europe, Western	24,065	0	0	13	10	6	9	14	23	36	48	64	93	148	258	464	840	1,546	1,982	4,191	14,321
Australasia	1,133	0	0	0	0	0	0	1	1	2	2	4	7	9	20	31	50	83	112	185	625
Asia Pacific, High Income	10,116	0	0	7	6	7	11	19	26	33	43	58	85	132	195	299	447	697	1,037	1,754	5,260
Europe, Eastern	3,429	0	0	12	13	15	17	44	60	82	122	153	179	175	359	356	519	464	296	312	250
Europe, Central	4,727	0	0	7	9	8	13	23	33	36	55	84	107	124	204	339	514	724	536	817	1,093
Asia, Central	1,742	0	0	24	57	37	37	69	101	126	140	131	99	79	142	122	148	122	91	87	129
Sub-Saharan Africa, West	6,105	0	0	357	994	205	127	150	190	223	216	253	250	295	411	503	514	463	422	326	206
Sub-Saharan Africa, Southern	1,929	0	0	18	37	20	26	35	46	54	60	80	83	95	113	137	159	177	215	205	370
Sub-Saharan Africa, East	5,254	0	0	155	300	56	53	84	114	128	137	175	171	198	318	422	527	638	649	543	587
Sub-Saharan Africa, Central	1,044	0	0	58	114	17	14	20	26	29	30	40	37	42	62	81	102	110	108	78	76
North Africa / Middle East	8,610	0	0	286	210	112	132	171	205	210	272	333	385	455	624	739	871	892	917	770	1,026
Asia, South	41,688	0	0	2,262	2,777	1,503	948	809	877	911	895	1,622	1,257	2,007	2,433	3,627	4,367	4,186	3,609	3,101	4,496
Oceania	299	0	0	11	5	3	5	8	8	10	5	8	11	15	23	32	28	33	42	16	36
Asia, Southeast	19,404	0	0	123	297	160	214	379	475	453	574	668	758	970	1,466	1,877	2,356	2,337	2,212	1,885	2,200
Asia, East	27,946	0	0	106	135	81	126	540	682	736	962	1,407	1,347	1,356	1,820	2,151	2,518	2,887	3,208	3,277	4,607
Latin America, Tropical	4,928	0	0	36	41	25	40	65	92	120	157	198	241	267	322	373	459	481	516	538	956
Latin America, Central	7,813	0	0	85	118	55	94	149	168	176	180	209	237	308	419	588	732	790	744	835	1,924
Latin America, Andean	1,833	0	0	52	72	20	23	30	39	39	43	55	53	70	96	118	158	178	214	222	353
Caribbean	852	0	0	12	17	9	7	16	21	27	24	28	28	33	47	53	67	92	88	100	182
Global Females	193,246	0	0	3,650	5,232	2,349	1,912	2,654	3,229	3,501	4,070	5,710	5,605	7,021	9,687	12,891	16,368	18,491	19,181	22,250	49,445
Total deaths by age and GBD region, 1990																					
Global Total	403,891	0	0	8,938	11,885	4,712	3,927	6,192	9,133	8,749	9,727	12,384	12,639	16,095	21,551	28,476	34,889	38,612	40,334	45,794	89,853

Annex Table 4 - Male deaths by age and GBD region, 2005																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	26,253	0	0	27	7	3	7	15	40	65	120	204	392	670	945	1,234	1,506	1,871	2,604	3,813	12,730
Latin America, Southern	4,931	0	0	5	5	4	6	10	14	20	29	39	59	102	180	287	404	540	709	824	1,692
Europe, Western	26,117	0	0	6	5	3	5	10	15	26	42	84	137	221	370	614	926	1,758	2,852	4,552	14,490
Australasia	1,395	0	0	0	0	0	0	1	1	2	3	5	8	19	25	34	52	75	118	227	825
Asia Pacific, High Income	14,619	0	0	2	3	2	3	5	10	14	34	60	106	194	364	647	883	1,318	1,931	2,449	6,594
Europe, Eastern	7,919	0	0	8	7	7	11	51	133	195	256	298	482	693	807	790	607	1,102	890	966	616
Europe, Central	6,145	0	0	3	3	3	6	11	20	27	42	68	105	212	325	436	501	728	994	1,087	1,575
Asia, Central	4,156	0	0	20	59	37	56	169	236	207	223	277	331	371	343	275	219	387	361	352	231
Sub-Saharan Africa, West	4,371	0	0	227	495	85	60	71	113	117	118	145	155	208	249	316	400	441	437	390	344
Sub-Saharan Africa, Southern	4,439	0	0	36	41	23	32	51	97	197	327	362	334	333	353	343	375	372	412	341	410
Sub-Saharan Africa, East	7,089	0	0	243	341	71	72	151	314	254	240	335	294	362	446	556	606	682	735	664	724
Sub-Saharan Africa, Central	1,900	0	0	107	195	28	22	34	56	55	59	79	88	111	131	150	181	184	172	134	114
North Africa / Middle East	19,889	0	0	234	168	88	135	231	332	342	433	582	823	1,085	1,609	1,798	2,018	2,353	2,689	2,263	2,706
Asia, South	57,965	0	0	2,323	2,180	1,038	973	1,087	2,309	1,686	1,643	1,902	2,076	3,057	3,591	4,540	4,873	5,704	5,290	5,323	8,369
Oceania	838	0	0	27	26	4	7	9	21	21	18	58	38	76	80	89	70	95	53	80	66
Asia, Southeast	43,066	0	0	169	273	163	271	578	955	961	1,308	1,661	2,146	3,002	3,713	3,853	4,408	4,832	5,097	4,389	5,287
Asia, East	52,681	0	0	93	167	137	189	1,103	1,453	1,428	1,804	2,326	2,293	2,594	3,842	4,062	4,615	5,791	6,362	6,181	8,240
Latin America, Tropical	11,846	0	0	35	28	19	25	50	91	123	160	229	374	590	852	1,066	1,183	1,384	1,427	1,446	2,766
Latin America, Central	24,371	0	0	63	86	44	96	206	260	271	338	449	759	1,253	1,857	2,364	2,891	3,152	3,122	2,637	4,522
Latin America, Andean	3,266	0	0	34	41	18	20	34	48	44	47	59	83	121	177	246	316	385	423	414	756
Caribbean	2,542	0	0	13	15	12	10	22	25	26	33	52	88	122	171	209	245	291	310	303	595
Global Males	325,796	0	0	3,675	4,145	1,787	2,007	3,900	6,544	6,082	7,278	9,275	11,172	15,395	20,431	23,907	27,277	33,446	36,988	38,835	73,652
Female deaths by age and GBD region, 2005																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	29,813	0	0	19	6	4	6	15	31	55	92	147	251	415	611	951	1,242	1,732	2,509	3,830	17,898
Latin America, Southern	4,635	0	0	5	5	3	6	11	14	17	24	33	51	84	140	216	308	402	520	690	2,107
Europe, Western	30,131	0	0	6	5	3	4	6	9	17	27	49	81	131	205	372	560	1,188	2,186	4,071	21,210
Australasia	1,543	0	0	0	0	0	0	0	1	1	2	4	8	12	18	28	40	63	99	189	1,076
Asia Pacific, High Income	16,317	0	0	2	2	1	2	4	7	11	23	31	52	87	163	296	441	737	1,221	1,949	11,287
Europe, Eastern	6,891	0	0	6	9	7	12	46	93	126	164	208	349	517	628	687	543	1,062	803	890	742
Europe, Central	5,888	0	0	2	3	2	5	9	13	17	26	42	60	117	193	282	370	641	939	1,174	1,994
Asia, Central	3,160	0	0	17	40	35	61	140	176	171	198	239	257	254	235	194	159	281	230	223	253
Sub-Saharan Africa, West	11,393	0	0	493	1,119	250	189	284	400	455	426	516	485	569	727	951	1,218	1,227	999	659	428
Sub-Saharan Africa, Southern	4,189	0	0	20	32	23	35	69	202	303	333	283	244	217	234	246	284	283	365	369	647
Sub-Saharan Africa, East	9,192	0	0	198	282	74	85	169	238	273	268	332	317	364	546	719	864	1,047	1,165	1,042	1,211
Sub-Saharan Africa, Central	1,981	0	0	97	153	28	30	46	58	61	63	92	76	85	121	154	196	210	207	152	153
North Africa / Middle East	15,400	0	0	195	125	80	135	225	258	254	328	437	562	732	1,147	1,306	1,486	1,790	2,053	1,799	2,488
Asia, South	54,320	0	0	2,171	2,062	1,143	942	906	1,057	1,148	1,144	2,343	1,928	2,807	3,060	4,254	5,086	5,932	5,567	4,788	7,983
Oceania	702	0	0	21	11	6	9	16	18	23	13	18	26	34	55	70	61	71	99	43	106
Asia, Southeast	34,871	0	0	89	218	126	226	435	596	593	874	1,144	1,469	1,929	2,521	2,911	3,828	4,422	4,505	3,815	5,171
Asia, East	41,781	0	0	53	99	82	139	559	563	664	1,181	1,818	2,034	2,122	2,999	2,998	3,463	4,258	5,056	5,088	8,605
Latin America, Tropical	10,333	0	0	23	19	17	29	52	78	106	147	208	310	453	610	782	934	1,135	1,198	1,273	2,960
Latin America, Central	22,927	0	0	50	75	43	103	175	199	205	250	337	580	968	1,491	2,028	2,665	2,970	2,953	2,621	5,215
Latin America, Andean	3,181	0	0	28	35	14	23	36	41	40	45	58	82	110	160	212	271	329	384	403	909
Caribbean	1,961	0	0	10	10	8	8	16	21	25	30	45	62	79	109	127	165	246	233	244	522
Global Females	310,607	0	0	3,506	4,308	1,948	2,049	3,221	4,071	4,565	5,656	8,385	9,284	12,086	15,972	19,784	24,183	30,026	33,290	35,309	92,965
Total deaths by age and GBD region, 2005																					
Global Total	636,403	0	0	7,181	8,453	3,735	4,056	7,121	10,615	10,647	12,934	17,660	20,456	27,481	36,403	43,691	51,460	63,472	70,278	74,144	166,617

Annex Table 4 - Male deaths by age and GBD region, 2010																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	31,102	0	0	27	7	3	7	15	42	69	117	187	345	646	1,026	1,369	1,916	2,230	2,919	3,962	16,217
Latin America, Southern	5,417	0	0	5	5	3	5	11	14	22	33	43	61	103	183	300	445	561	724	842	2,055
Europe, Western	31,321	0	0	6	5	3	4	9	14	25	38	73	130	224	387	617	1,038	1,615	3,102	4,973	19,059
Australasia	1,736	0	0	0	0	0	0	1	1	2	2	5	8	20	28	35	63	88	126	231	1,126
Asia Pacific, High Income	17,806	0	0	2	2	1	2	4	7	13	26	58	102	182	316	594	946	1,406	2,062	2,907	9,175
Europe, Eastern	7,118	0	0	7	7	6	7	29	99	175	214	239	299	503	690	791	723	617	1,007	787	917
Europe, Central	6,704	0	0	3	3	2	5	9	19	25	42	69	100	172	301	488	608	660	945	1,198	2,056
Asia, Central	4,566	0	0	22	55	30	43	153	262	225	216	285	295	417	435	389	285	246	459	360	388
Sub-Saharan Africa, West	5,439	0	0	302	628	103	70	86	134	140	144	178	185	252	304	379	478	555	550	495	459
Sub-Saharan Africa, Southern	5,242	0	0	46	47	25	35	58	93	166	254	301	308	334	421	488	512	540	562	471	579
Sub-Saharan Africa, East	8,583	0	0	275	362	82	84	178	375	287	272	394	340	438	534	681	770	845	882	826	958
Sub-Saharan Africa, Central	2,436	0	0	139	241	35	29	45	74	72	75	100	112	143	168	195	226	235	220	174	152
North Africa / Middle East	23,923	0	0	232	157	85	129	241	408	446	574	743	986	1,231	1,793	2,281	2,599	2,641	2,988	2,851	3,539
Asia, South	69,979	0	0	2,167	2,065	1,028	985	1,157	2,624	1,960	1,980	2,177	2,478	3,782	4,339	6,090	5,905	6,600	6,618	6,617	11,405
Oceania	1,071	0	0	30	29	5	9	11	25	26	22	79	48	95	102	118	90	120	70	105	87
Asia, Southeast	50,052	0	0	148	236	158	250	583	979	1,033	1,402	1,834	2,397	3,454	4,445	5,147	5,089	5,281	5,717	5,322	6,578
Asia, East	50,461	0	0	78	119	81	128	699	1,273	1,036	975	1,654	2,170	2,275	2,764	4,607	4,852	5,552	6,323	6,484	9,391
Latin America, Tropical	14,021	0	0	34	25	16	25	53	86	126	170	231	374	607	946	1,220	1,386	1,533	1,730	1,635	3,824
Latin America, Central	34,585	0	0	63	80	40	96	295	363	365	439	620	1,053	1,880	2,763	3,618	3,935	4,280	4,259	3,812	6,624
Latin America, Andean	4,067	0	0	30	34	16	18	33	52	47	53	67	95	142	205	307	384	457	521	540	1,067
Caribbean	3,019	0	0	13	15	11	10	23	29	30	31	56	97	156	202	272	289	319	368	359	739
Global Males	378,649	0	0	3,627	4,123	1,732	1,940	3,691	6,972	6,288	7,081	9,396	11,983	17,055	22,354	29,984	32,538	36,381	42,154	44,951	96,397
Female deaths by age and GBD region, 2010																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	34,331	0	0	19	6	4	6	15	32	55	88	139	224	431	696	1,064	1,567	2,059	2,702	3,803	21,422
Latin America, Southern	5,383	0	0	5	5	3	6	12	16	19	29	39	53	93	150	243	349	449	546	736	2,629
Europe, Western	33,928	0	0	5	4	2	4	5	8	15	23	41	75	132	210	359	600	1,027	2,181	4,006	25,232
Australasia	1,817	0	0	0	0	0	0	0	1	1	2	4	8	12	20	31	51	72	110	185	1,320
Asia Pacific, High Income	18,649	0	0	2	1	1	2	3	5	9	16	29	45	76	139	266	438	717	1,172	2,034	13,693
Europe, Eastern	6,376	0	0	6	7	5	7	26	70	104	136	178	225	382	546	715	650	588	983	715	1,032
Europe, Central	6,090	0	0	2	2	2	4	7	10	13	23	38	55	91	165	297	404	536	823	1,159	2,459
Asia, Central	3,350	0	0	18	39	28	46	123	184	175	186	232	226	279	303	278	212	176	298	209	339
Sub-Saharan Africa, West	13,882	0	0	678	1,475	302	219	321	438	499	489	594	558	667	865	1,139	1,428	1,531	1,277	841	562
Sub-Saharan Africa, Southern	4,652	0	0	25	36	23	36	65	138	198	228	211	211	220	281	350	366	396	494	500	874
Sub-Saharan Africa, East	10,696	0	0	235	311	82	92	181	235	252	265	352	339	403	618	838	1,043	1,258	1,351	1,262	1,577
Sub-Saharan Africa, Central	2,627	0	0	145	215	39	41	61	77	80	81	116	98	113	161	200	249	273	270	199	210
North Africa / Middle East	18,724	0	0	189	120	76	136	245	302	314	424	550	692	901	1,298	1,631	1,829	2,010	2,304	2,285	3,417
Asia, South	65,615	0	0	2,186	2,081	1,166	929	975	1,163	1,258	1,332	2,716	2,249	3,505	3,508	5,501	6,000	6,743	7,004	6,146	11,152
Oceania	932	0	0	26	13	7	12	20	22	29	16	26	34	43	70	95	81	93	131	60	152
Asia, Southeast	38,206	0	0	78	185	119	210	410	559	574	850	1,159	1,544	2,069	2,867	3,547	4,026	4,501	4,842	4,390	6,275
Asia, East	39,528	0	0	47	63	50	83	317	385	449	568	1,134	1,688	1,820	2,254	3,120	3,787	3,909	4,793	5,513	9,547
Latin America, Tropical	12,427	0	0	20	15	16	30	51	69	110	158	217	322	491	683	923	1,144	1,230	1,402	1,459	4,088
Latin America, Central	31,164	0	0	50	74	44	110	218	241	247	307	430	756	1,278	2,008	2,908	3,525	3,838	3,740	3,597	7,793
Latin America, Andean	3,799	0	0	24	30	13	20	34	41	40	46	64	87	120	183	251	312	367	450	494	1,223
Caribbean	2,382	0	0	11	11	8	8	17	24	29	30	49	68	101	129	161	193	274	279	293	698
Global Females	354,560	0	0	3,771	4,694	1,989	2,000	3,108	4,020	4,469	5,298	8,319	9,557	13,227	17,155	23,918	28,252	32,047	37,153	39,886	115,695
Total deaths by age and GBD region, 2010																					
Global Total	733,209	0	0	7,398	8,817	3,721	3,940	6,799	10,992	10,757	12,379	17,715	21,540	30,282	39,509	53,902	60,790	68,428	79,307	84,837	212,092

Annex Table 5 - YLLs by GBD region, 1980-2011																
GBD Region	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America, High Income	406,048	412,925	414,394	422,478	431,380	441,736	449,811	453,687	460,166	458,385	458,198	460,769	464,922	479,467	490,242	501,169
Latin America, Southern	104,295	107,147	106,251	112,183	114,450	110,728	112,740	112,832	115,252	116,202	117,113	114,733	116,125	115,397	116,738	117,801
Europe, Western	619,376	613,657	609,994	607,029	599,975	598,446	596,996	587,908	581,579	576,574	577,792	570,748	566,026	560,119	561,610	561,032
Australasia	24,167	24,449	24,779	24,731	24,901	25,265	25,422	25,690	26,178	26,597	26,980	27,069	27,745	28,288	29,111	29,628
Asia Pacific, High Income	277,990	278,826	278,134	282,410	282,707	281,260	281,941	280,862	285,107	287,740	291,689	296,665	305,649	313,174	321,198	336,457
Europe, Eastern	226,243	226,181	225,997	231,949	242,151	229,866	203,312	202,431	207,020	214,988	218,344	217,173	233,525	268,258	297,000	288,114
Europe, Central	219,725	217,811	217,812	220,632	222,504	223,907	222,972	221,668	219,273	219,228	220,633	216,361	213,473	207,793	207,317	207,334
Asia, Central	110,617	112,230	114,444	117,195	119,425	122,019	124,605	127,557	132,584	138,639	146,368	155,734	166,211	175,451	184,315	191,182
Sub-Saharan Africa, West	309,946	320,338	331,421	342,609	353,584	367,214	382,344	395,395	408,013	423,242	440,777	453,123	470,406	490,532	503,024	518,931
Sub-Saharan Africa, Southern	112,386	114,099	115,863	117,468	118,303	119,604	121,101	122,471	124,861	128,072	132,280	136,004	142,246	150,236	161,587	173,679
Sub-Saharan Africa, East	246,657	254,667	263,246	272,544	280,710	289,655	299,064	309,958	320,568	331,976	346,575	360,012	374,337	387,812	401,286	413,565
Sub-Saharan Africa, Central	72,171	74,382	76,687	79,064	81,711	83,970	86,642	89,193	92,138	95,330	99,018	102,997	106,452	109,204	111,415	113,948
North Africa / Middle East	614,868	633,984	655,891	680,481	705,916	732,795	752,132	763,324	747,057	729,075	718,494	715,859	719,915	715,869	715,648	714,323
Asia, South	3,104,408	3,116,842	3,154,180	3,197,949	3,244,486	3,287,744	3,326,450	3,366,963	3,424,496	3,509,416	3,618,199	3,630,348	3,646,732	3,629,533	3,625,236	3,600,806
Oceania	14,631	15,392	16,190	17,059	18,003	19,078	20,220	21,451	22,760	24,099	25,571	26,813	28,267	29,843	31,665	33,304
Asia, Southeast	886,165	899,164	936,805	973,815	1,005,633	1,048,498	1,096,318	1,155,288	1,216,252	1,284,203	1,343,127	1,385,238	1,428,587	1,466,768	1,509,367	1,555,711
Asia, East	1,762,703	1,772,928	1,777,525	1,777,008	1,774,798	1,770,316	1,759,263	1,749,506	1,750,156	1,757,610	1,783,141	1,782,813	1,801,617	1,824,293	1,859,967	1,911,508
Latin America, Tropical	315,962	316,425	311,306	311,104	318,386	321,043	321,049	316,741	317,674	314,949	309,209	304,282	314,085	326,983	337,323	346,535
Latin America, Central	345,677	355,065	361,465	363,645	371,014	384,739	389,909	394,480	402,123	412,233	422,878	435,105	454,925	474,264	497,540	524,011
Latin America, Andean	94,084	95,771	97,971	100,246	101,647	103,031	104,407	105,374	106,507	107,576	109,441	111,335	114,075	116,376	119,147	121,802
Caribbean	55,645	57,281	58,505	59,504	60,500	61,506	62,139	61,918	61,625	60,982	60,836	60,471	60,161	61,029	62,476	65,154
Global	9,923,763	10,000,000	10,100,000	10,300,000	10,500,000	10,600,000	10,700,000	10,900,000	11,000,000	11,200,000	11,500,000	11,600,000	11,800,000	11,900,000	12,100,000	12,300,000
Annex Table 5 - YLLs by GBD region, 1980-2011																
GBD Region	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
North America, High Income	510,304	527,041	554,305	591,523	627,188	661,877	688,092	714,579	725,272	752,333	774,457	784,853	802,899	818,015	838,351	854,316
Latin America, Southern	122,474	126,806	131,625	136,382	138,363	144,763	149,816	154,633	154,727	155,468	157,021	160,239	161,593	166,093	169,066	171,147
Europe, Western	566,650	567,246	573,416	575,092	575,751	577,355	581,922	593,753	596,244	604,596	609,313	614,337	628,758	643,131	659,382	672,807
Australasia	30,703	31,167	31,148	30,825	30,726	30,839	31,176	31,634	32,001	32,279	32,911	33,732	34,922	35,874	36,670	37,524
Asia Pacific, High Income	342,094	347,150	351,917	354,867	352,947	350,614	349,049	353,566	358,807	365,676	367,808	370,968	378,964	387,254	394,768	401,990
Europe, Eastern	269,626	261,036	274,604	331,992	366,485	377,232	389,896	401,179	397,994	408,369	377,426	359,976	359,767	350,589	348,192	350,673
Europe, Central	208,858	211,085	212,306	213,270	210,586	210,755	210,355	211,523	212,593	213,996	213,706	212,719	212,358	212,969	214,430	216,205
Asia, Central	197,715	201,531	205,083	209,059	213,276	221,753	230,683	242,881	259,388	272,981	278,487	281,769	283,688	284,565	283,719	283,301
Sub-Saharan Africa, West	534,564	551,934	566,481	581,285	594,883	605,194	614,697	622,757	633,219	646,000	668,901	694,252	723,735	756,193	791,931	820,425
Sub-Saharan Africa, Southern	188,977	202,746	216,976	231,256	243,266	256,882	266,195	277,323	282,850	289,323	292,225	293,970	297,444	298,883	295,052	285,056
Sub-Saharan Africa, East	426,216	437,632	450,158	461,821	473,022	482,469	492,382	504,428	515,856	532,602	548,472	564,038	583,159	599,018	610,122	616,424
Sub-Saharan Africa, Central	116,820	118,399	121,740	125,485	128,743	131,426	135,489	141,843	146,982	152,431	159,333	168,328	179,011	190,608	200,048	208,188
North Africa / Middle East	720,447	734,590	756,579	779,174	802,665	836,408	872,334	903,542	932,684	957,386	985,480	1,019,977	1,063,259	1,097,948	1,131,511	1,166,853
Asia, South	3,578,098	3,571,563	3,592,734	3,631,777	3,620,848	3,550,932	3,599,141	3,649,035	3,705,914	3,765,656	3,853,701	3,951,214	4,059,962	4,179,467	4,287,304	4,395,658
Oceania	34,943	36,509	38,297	40,224	41,705	43,325	44,906	46,659	48,496	50,397	52,571	54,889	57,783	60,804	64,079	67,413
Asia, Southeast	1,606,217	1,658,035	1,708,050	1,773,581	1,850,135	1,921,349	1,984,787	2,046,337	2,103,630	2,157,069	2,202,330	2,248,046	2,292,814	2,337,247	2,377,608	2,418,226
Asia, East	2,001,832	2,085,019	2,169,945	2,253,279	2,344,156	2,455,326	2,542,855	2,577,751	2,565,699	2,504,453	2,411,355	2,330,453	2,254,141	2,200,506	2,162,499	2,147,542
Latin America, Tropical	361,225	377,588	397,144	414,153	426,810	442,207	453,606	466,855	479,765	483,582	491,694	505,047	524,138	533,946	542,227	552,728
Latin America, Central	562,076	616,064	688,521	748,946	803,587	860,011	919,253	981,681	1,029,576	1,092,870	1,148,106	1,195,103	1,272,886	1,383,991	1,490,475	1,580,762
Latin America, Andean	125,953	128,445	130,852	133,121	135,700	137,204	139,504	142,700	145,653	149,926	154,223	159,435	164,013	167,345	169,867	171,621
Caribbean	68,644	72,586	76,668	80,743	84,814	89,284	92,858	96,374	99,392	103,055	106,498	109,575	113,110	116,534	119,823	123,412
Global	12,600,000	12,900,000	13,200,000	13,700,000	14,100,000	14,400,000	14,800,000	15,200,000	15,400,000	15,700,000	15,900,000	16,100,000	16,400,000	16,800,000	17,200,000	17,500,000

Annex Table 5 - Male YLLs by age and GBD region, 1990																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	238,210	0	0	1,774	615	325	585	1,036	2,159	4,330	6,872	9,757	9,664	10,050	11,733	15,608	22,938	29,618	33,490	33,145	44,513
Latin America, Southern	65,859	0	0	1,417	1,096	629	533	1,116	1,517	1,528	1,999	2,308	2,929	3,519	4,478	6,062	7,680	8,044	7,797	6,668	6,540
Europe, Western	298,326	0	0	1,306	991	541	943	1,723	2,769	3,897	4,780	5,678	7,584	10,153	14,840	21,405	29,564	38,084	34,670	49,933	69,463
Australasia	12,952	0	0	36	25	20	15	69	129	194	200	233	303	457	566	744	1,231	1,597	1,719	2,380	3,033
Asia Pacific, High Income	154,401	0	0	644	600	729	835	1,865	2,386	2,638	3,874	4,736	6,508	8,201	10,837	14,206	16,476	16,481	17,757	20,906	24,721
Europe, Eastern	116,464	0	0	1,310	1,252	1,295	1,493	3,780	5,903	7,441	9,493	10,295	10,280	8,852	15,581	12,170	12,901	6,388	3,500	3,058	1,468
Europe, Central	122,356	0	0	726	886	676	978	2,024	3,326	3,227	5,386	7,367	8,314	8,573	11,228	13,900	15,578	14,651	8,523	9,985	7,007
Asia, Central	75,279	0	0	2,856	6,758	3,174	2,522	4,591	6,192	6,585	6,212	5,795	4,705	3,981	6,228	4,628	4,680	2,452	1,501	1,360	1,059
Sub-Saharan Africa, West	153,447	0	0	19,512	51,473	7,458	4,057	3,587	4,915	4,814	4,670	5,208	5,286	6,392	6,610	6,887	6,894	6,232	4,721	3,170	1,560
Sub-Saharan Africa, Southern	76,379	0	0	3,043	4,438	1,768	2,110	2,615	2,943	3,039	3,814	5,207	5,758	6,384	7,182	6,851	6,809	5,455	4,459	2,681	1,824
Sub-Saharan Africa, East	174,929	0	0	19,326	35,018	4,953	4,064	5,925	10,559	7,958	6,855	8,726	7,866	9,057	9,742	10,821	10,099	9,328	7,175	4,721	2,733
Sub-Saharan Africa, Central	57,593	0	0	8,408	17,345	1,746	1,095	1,298	2,126	2,029	2,006	2,313	2,311	2,697	2,813	2,861	2,809	2,393	1,783	1,056	504
North Africa / Middle East	436,882	0	0	31,091	23,618	10,236	11,223	18,533	24,061	26,769	27,998	29,926	32,270	30,340	33,799	35,318	33,537	26,581	20,217	12,174	9,190
Asia, South	2,047,604	0	0	293,651	334,034	117,533	78,678	70,074	132,129	86,270	77,825	75,622	65,267	94,978	102,464	132,931	122,416	98,963	72,659	51,039	41,083
Oceania	15,864	0	0	1,263	1,294	170	349	387	781	686	520	1,543	926	1,699	1,485	1,525	994	1,075	438	496	232
Asia, Southeast	766,884	0	0	27,001	40,371	18,060	19,947	33,086	45,904	41,541	44,788	47,533	44,415	54,126	64,358	67,873	67,332	55,584	45,105	30,871	18,993
Asia, East	1,007,874	0	0	18,293	14,574	7,185	7,974	72,507	106,996	82,981	73,566	78,138	67,286	64,584	68,202	73,074	69,033	63,786	60,592	45,422	33,686
Latin America, Tropical	174,696	0	0	4,691	4,897	2,381	3,153	5,332	6,970	8,778	10,804	12,629	14,206	14,937	16,616	15,765	15,288	13,418	10,506	7,823	6,502
Latin America, Central	217,672	0	0	9,817	10,759	4,589	6,161	10,587	11,992	11,451	10,692	10,889	10,817	13,538	16,770	18,423	18,695	16,957	13,211	10,954	11,370
Latin America, Andean	55,206	0	0	5,999	6,799	1,939	1,332	1,920	2,347	2,172	2,242	2,249	2,471	2,695	3,113	4,007	4,137	3,866	3,203	2,634	2,079
Caribbean	37,031	0	0	2,039	2,623	1,247	705	1,501	1,775	1,713	1,397	1,715	1,823	2,133	2,455	2,736	2,899	2,764	2,755	2,417	2,334
Global Males	6,305,907	0	0	454,201	559,468	186,654	148,751	243,556	377,879	310,040	305,993	327,867	310,989	357,348	411,101	467,796	471,989	423,716	355,781	302,896	289,893
Annex Table 5 - Female YLLs by age and GBD region, 1990																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	219,988	0	0	1,420	497	308	493	857	1,614	2,734	4,160	4,823	5,633	6,893	8,892	13,230	20,115	27,685	31,036	32,775	56,825
Latin America, Southern	51,253	0	0	992	986	604	650	1,150	1,142	1,450	1,586	2,004	2,149	2,614	3,420	4,124	5,138	5,735	5,508	5,659	6,343
Europe, Western	279,466	0	0	1,097	814	488	653	940	1,472	2,113	2,611	3,151	4,095	5,835	8,918	13,915	21,342	32,408	33,102	53,451	93,062
Australasia	14,028	0	0	36	26	19	12	39	63	112	127	185	290	368	701	944	1,279	1,743	1,865	2,361	3,860
Asia Pacific, High Income	137,288	0	0	595	521	524	848	1,299	1,684	1,937	2,307	2,843	3,770	5,198	6,736	8,956	11,363	14,598	17,306	22,306	34,495
Europe, Eastern	101,880	0	0	1,011	1,130	1,153	1,227	3,053	3,823	4,850	6,575	7,529	7,907	6,899	12,439	10,683	13,191	9,747	4,955	3,996	1,713
Europe, Central	98,277	0	0	598	793	594	996	1,602	2,108	2,122	2,967	4,141	4,710	4,863	7,074	10,165	13,074	15,191	8,981	10,464	7,836
Asia, Central	71,088	0	0	2,026	4,832	2,899	2,704	4,786	6,477	7,464	7,565	6,441	4,373	3,123	4,911	3,670	3,763	2,563	1,533	1,113	845
Sub-Saharan Africa, West	287,330	0	0	30,669	83,626	16,160	9,417	10,338	12,130	13,184	11,675	12,451	11,089	11,622	14,237	15,084	13,088	9,734	7,092	4,197	1,538
Sub-Saharan Africa, Southern	55,901	0	0	1,518	3,140	1,578	1,890	2,444	2,922	3,173	3,241	3,952	3,672	3,731	3,902	4,106	4,059	3,716	3,613	2,635	2,609
Sub-Saharan Africa, East	171,646	0	0	13,273	25,188	4,387	3,948	5,776	7,264	7,545	7,406	8,625	7,594	7,809	11,021	12,671	13,430	13,433	10,931	7,001	4,347
Sub-Saharan Africa, Central	41,426	0	0	4,988	9,590	1,318	1,008	1,351	1,688	1,689	1,640	1,974	1,632	1,665	2,164	2,416	2,596	2,316	1,818	1,007	564
North Africa / Middle East	281,613	0	0	24,575	17,698	8,870	9,746	11,783	13,132	12,387	14,687	16,340	17,038	17,923	21,603	22,148	22,162	18,738	15,382	9,880	7,521
Asia, South	1,570,595	0	0	194,247	233,487	118,715	69,950	55,686	56,156	53,851	48,436	79,790	55,647	79,076	84,291	108,768	111,239	88,149	60,735	39,954	32,411
Oceania	9,707	0	0	918	452	242	369	555	513	583	283	383	484	573	811	953	704	699	713	207	266
Asia, Southeast	576,242	0	0	10,573	25,006	12,610	15,862	26,092	30,376	26,736	31,044	32,801	33,519	38,214	50,825	56,298	59,951	49,107	37,119	24,184	15,925
Asia, East	775,267	0	0	9,108	11,346	6,415	9,320	37,230	43,627	43,424	51,962	69,110	59,585	53,391	63,055	64,511	64,071	60,615	53,790	42,068	32,644
Latin America, Tropical	134,512	0	0	3,093	3,441	1,999	2,973	4,464	5,911	7,104	8,470	9,711	10,647	10,531	11,140	11,187	11,677	10,089	8,649	6,892	6,536
Latin America, Central	205,206	0	0	7,311	9,923	4,332	6,986	10,233	10,745	10,404	9,752	10,254	10,498	12,128	14,533	17,654	18,635	16,603	12,472	10,685	12,056
Latin America, Andean	54,235	0	0	4,449	6,022	1,574	1,693	2,066	2,508	2,328	2,300	2,702	2,348	2,747	3,334	3,545	4,008	3,731	3,581	2,843	2,455
Caribbean	23,805	0	0	1,062	1,415	732	513	1,094	1,316	1,568	1,292	1,392	1,247	1,318	1,627	1,601	1,699	1,933	1,476	1,289	1,231
Global Females	5,160,753	0	0	313,557	439,932	185,522	141,257	182,836	206,672	206,757	220,086	280,602	247,926	276,522	335,632	386,629	416,584	388,534	321,655	284,968	325,082
Annex Table 5 - Total YLLs by age and GBD region, 1990																					
Global Total	11,466,660	0	0	767,758	999,400	372,176	290,008	426,392	584,551	516,797	526,079	608,469	558,915	633,870	746,733	854,425	888,573	812,250	677,436	587,864	614,975

Annex Table 6 - Male YLLs by age and GBD region, 2005																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	394,751	0	0	2,351	562	197	535	1,052	2,588	3,815	6,496	10,008	17,325	26,385	32,756	37,034	38,343	39,315	43,668	48,842	83,476
Latin America, Southern	85,057	0	0	464	451	318	434	703	865	1,159	1,596	1,932	2,611	4,028	6,231	8,609	10,296	11,353	11,914	10,579	11,515
Europe, Western	320,270	0	0	554	443	225	359	689	968	1,546	2,279	4,100	6,059	8,687	12,800	18,410	23,548	36,911	47,765	58,235	96,694
Australasia	16,931	0	0	25	19	13	11	39	62	121	142	255	366	732	873	1,017	1,331	1,579	1,968	2,899	5,480
Asia Pacific, High Income	208,172	0	0	205	219	130	189	349	627	850	1,834	2,967	4,702	7,619	12,607	19,392	22,476	27,665	32,316	31,327	42,698
Europe, Eastern	225,890	0	0	654	626	546	783	3,496	8,488	11,507	13,843	14,634	21,335	27,326	28,024	23,777	15,512	23,294	15,040	12,506	4,503
Europe, Central	117,790	0	0	232	276	202	450	733	1,280	1,584	2,289	3,350	4,627	8,336	11,243	13,092	12,762	15,333	16,715	13,976	11,309
Asia, Central	153,899	0	0	1,731	4,981	2,930	4,114	11,642	15,108	12,254	12,061	13,629	14,643	14,602	11,907	8,258	5,581	8,173	6,087	4,546	1,654
Sub-Saharan Africa, West	172,532	0	0	19,520	41,615	6,700	4,407	4,904	7,217	6,931	6,406	7,131	6,879	8,210	8,637	9,478	10,202	9,288	7,349	5,023	2,637
Sub-Saharan Africa, Southern	149,726	0	0	3,080	3,437	1,797	2,365	3,537	6,234	11,624	17,688	17,791	14,763	13,095	12,245	10,297	9,549	7,848	6,931	4,403	3,043
Sub-Saharan Africa, East	251,152	0	0	20,858	28,659	5,643	5,333	10,383	20,085	14,992	13,004	16,443	12,999	14,261	15,466	16,714	15,456	14,388	12,394	8,568	5,501
Sub-Saharan Africa, Central	76,972	0	0	9,171	16,371	2,177	1,653	2,331	3,595	3,257	3,182	3,887	3,902	4,374	4,546	4,511	4,611	3,895	2,898	1,740	875
North Africa / Middle East	544,463	0	0	20,143	14,105	6,965	9,991	15,883	21,271	20,181	23,433	28,577	36,366	42,710	55,745	53,938	51,389	49,491	45,186	29,091	19,999
Asia, South	1,975,469	0	0	199,707	183,186	82,012	71,770	74,839	147,698	99,590	88,871	93,496	91,842	120,463	124,473	136,260	124,136	120,136	89,020	68,595	59,377
Oceania	28,693	0	0	2,304	2,184	297	522	591	1,339	1,257	989	2,837	1,693	3,012	2,770	2,670	1,794	2,000	902	1,029	502
Asia, Southeast	1,232,086	0	0	14,559	22,933	12,838	20,003	39,793	61,118	56,734	70,712	81,632	94,940	118,269	128,718	115,696	112,339	101,728	85,696	56,463	37,920
Asia, East	1,455,756	0	0	7,966	14,081	10,843	13,913	75,936	93,067	84,413	97,558	114,205	101,334	102,090	132,962	121,783	117,474	121,780	106,866	79,448	60,032
Latin America, Tropical	265,745	0	0	2,990	2,332	1,475	1,830	3,470	5,818	7,275	8,659	11,242	16,532	23,230	29,525	31,993	30,136	29,114	23,989	18,586	17,550
Latin America, Central	583,784	0	0	5,389	7,210	3,483	7,096	14,184	16,605	15,997	18,273	22,082	33,576	49,396	64,361	70,963	73,625	66,274	52,432	33,814	29,026
Latin America, Andean	78,141	0	0	2,960	3,428	1,415	1,480	2,306	3,082	2,612	2,550	2,913	3,655	4,779	6,127	7,375	8,038	8,084	7,098	5,305	4,934
Caribbean	59,269	0	0	1,140	1,297	923	752	1,493	1,599	1,565	1,760	2,559	3,895	4,797	5,908	6,260	6,245	6,118	5,214	3,894	3,851
Global Males	8,396,568	0	0	315,999	348,415	141,130	147,989	268,356	418,712	359,265	393,627	455,671	494,043	606,399	707,924	717,525	694,842	703,765	621,445	498,867	502,577
Female YLLs by age and GBD region, 2005																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	357,582	0	0	1,630	470	279	467	1,041	2,009	3,225	4,979	7,191	11,096	16,346	21,151	28,524	31,597	36,350	41,999	48,910	100,316
Latin America, Southern	70,411	0	0	470	423	267	423	742	882	1,032	1,277	1,616	2,237	3,310	4,849	6,483	7,844	8,433	8,692	8,794	12,638
Europe, Western	284,326	0	0	504	412	229	302	418	573	1,015	1,450	2,414	3,570	5,140	7,096	11,158	14,236	24,897	36,460	51,737	122,712
Australasia	15,348	0	0	23	19	14	9	29	41	70	126	210	349	466	640	853	1,016	1,322	1,655	2,398	6,105
Asia Pacific, High Income	157,504	0	0	198	165	109	164	284	454	627	1,218	1,531	2,296	3,442	5,653	8,878	11,209	15,447	20,365	24,766	60,697
Europe, Eastern	182,480	0	0	535	718	545	876	3,139	5,912	7,407	8,858	10,239	15,436	20,359	21,749	20,644	13,843	22,308	13,460	11,406	5,046
Europe, Central	96,206	0	0	189	222	173	372	649	812	1,021	1,388	2,065	2,660	4,588	6,668	8,452	9,414	13,431	15,696	14,987	13,419
Asia, Central	119,082	0	0	1,423	3,390	2,780	4,508	9,629	11,236	10,077	10,692	11,723	11,380	10,016	8,133	5,818	4,038	5,900	3,854	2,862	1,623
Sub-Saharan Africa, West	473,469	0	0	42,334	94,076	19,731	13,997	19,583	25,578	26,880	23,022	25,349	21,503	22,414	25,214	28,526	31,013	25,811	16,794	8,479	3,163
Sub-Saharan Africa, Southern	139,596	0	0	1,718	2,695	1,802	2,576	4,773	12,903	17,882	17,982	13,903	10,793	8,565	8,093	7,382	7,224	5,955	6,132	4,735	4,483
Sub-Saharan Africa, East	281,451	0	0	17,020	23,709	5,814	6,296	11,635	15,223	16,145	14,490	16,313	14,026	14,358	18,928	21,577	22,005	22,030	19,593	13,421	8,865
Sub-Saharan Africa, Central	75,459	0	0	8,336	12,858	2,196	2,200	3,149	3,679	3,606	3,380	4,519	3,357	3,356	4,211	4,617	4,999	4,427	3,488	1,956	1,125
North Africa / Middle East	412,923	0	0	16,761	10,523	6,293	9,978	15,531	16,507	14,995	17,707	21,476	24,830	28,777	39,739	39,155	37,815	37,561	34,410	23,050	17,814
Asia, South	1,790,186	0	0	186,586	173,508	90,299	69,525	62,385	67,696	67,852	61,916	115,177	85,310	110,576	105,935	127,537	129,422	124,695	93,553	61,584	56,623
Oceania	21,705	0	0	1,813	922	474	699	1,077	1,152	1,375	716	890	1,170	1,359	1,921	2,113	1,545	1,488	1,664	558	770
Asia, Southeast	924,983	0	0	7,624	18,292	9,946	16,679	29,976	38,135	34,995	47,247	56,204	65,005	75,965	87,351	87,311	97,385	92,873	75,508	48,854	35,629
Asia, East	1,048,696	0	0	4,575	8,289	6,477	10,247	38,510	36,016	39,211	63,841	89,241	89,871	83,531	103,834	89,871	88,024	89,320	84,599	65,096	58,146
Latin America, Tropical	217,837	0	0	1,987	1,589	1,362	2,108	3,612	4,972	6,265	7,945	10,220	13,682	17,822	21,112	23,441	23,765	23,833	20,069	16,293	17,760
Latin America, Central	509,086	0	0	4,323	6,277	3,385	7,640	12,074	12,724	12,083	13,506	16,527	25,623	38,097	51,602	60,788	67,802	62,453	49,532	33,516	31,137
Latin America, Andean	71,785	0	0	2,433	2,969	1,074	1,666	2,515	2,653	2,343	2,426	2,872	3,626	4,336	5,526	6,353	6,902	6,915	6,430	5,149	5,598
Caribbean	43,786	0	0	893	872	617	560	1,098	1,355	1,483	1,607	2,217	2,754	3,124	3,787	3,798	4,207	5,163	3,907	3,120	3,224
Global Females	7,293,899	0	0	301,374	362,395	153,869	151,292	221,850	260,514	269,587	305,775	411,898	410,577	475,946	553,193	593,278	615,305	630,612	557,862	451,671	566,892
Total YLLs by age and GBD region, 2005																					
Global Total	15,690,447	0	0	617,373	710,810	294,999	299,281	490,206	679,226	628,852	699,402	867,569	904,620	1,082,345	1,261,117	1,310,803	1,310,147	1,334,377	1,179,307	950,538	1,069,469

Annex Table 6 - Male YLLs by age and GBD region, 2010																					
GBD Region	Males	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	441,738	0	0	2,289	581	205	479	1,060	2,670	4,062	6,343	9,196	15,227	25,416	35,551	41,065	48,790	46,841	48,936	50,720	102,306
Latin America, Southern	90,378	0	0	468	410	267	402	769	881	1,312	1,778	2,117	2,714	4,067	6,345	8,985	11,326	11,791	12,157	10,806	13,782
Europe, Western	358,653	0	0	486	399	202	318	635	881	1,452	2,062	3,599	5,732	8,798	13,408	18,506	26,413	33,915	51,914	63,579	126,353
Australasia	19,545	0	0	24	19	10	9	39	64	116	125	268	334	768	970	1,055	1,592	1,854	2,111	2,945	7,241
Asia Pacific, High Income	231,595	0	0	140	157	81	152	278	473	748	1,431	2,850	4,492	7,165	10,938	17,815	24,059	29,518	34,514	37,142	59,641
Europe, Eastern	190,643	0	0	592	587	475	520	1,970	6,288	10,325	11,591	11,769	13,235	19,842	23,946	23,803	18,465	13,029	17,000	10,161	7,045
Europe, Central	121,583	0	0	227	245	164	334	639	1,214	1,449	2,294	3,363	4,394	6,756	10,421	14,644	15,493	13,900	15,894	15,401	14,751
Asia, Central	162,456	0	0	1,934	4,598	2,365	3,182	10,532	16,777	13,317	11,689	14,019	13,047	16,434	15,093	11,672	7,275	5,187	7,727	4,649	2,960
Sub-Saharan Africa, West	214,277	0	0	25,900	52,802	8,164	5,152	5,893	8,556	8,244	7,807	8,734	8,173	9,945	10,535	11,377	12,181	11,691	9,252	6,379	3,491
Sub-Saharan Africa, Southern	161,116	0	0	3,972	3,962	1,969	2,603	3,999	5,973	9,783	13,714	14,807	13,631	13,170	14,584	14,656	13,044	11,385	9,472	6,071	4,322
Sub-Saharan Africa, East	295,432	0	0	23,622	30,479	6,438	6,209	12,228	23,972	16,943	14,711	19,345	15,046	17,257	18,509	20,455	19,654	17,818	14,869	10,657	7,220
Sub-Saharan Africa, Central	98,338	0	0	11,916	20,282	2,803	2,154	3,089	4,741	4,255	4,037	4,928	4,960	5,627	5,846	5,851	5,760	4,950	3,720	2,252	1,164
North Africa / Middle East	643,220	0	0	19,939	13,231	6,729	9,476	16,577	26,108	26,379	31,014	36,514	43,612	48,463	62,117	68,412	66,177	55,552	50,198	36,644	26,078
Asia, South	2,248,842	0	0	186,328	173,375	81,185	72,564	79,625	167,897	115,740	107,113	106,991	109,648	149,023	150,398	182,724	150,388	138,957	111,360	85,243	80,276
Oceania	35,989	0	0	2,621	2,468	368	655	739	1,568	1,508	1,201	3,901	2,130	3,734	3,534	3,539	2,286	2,526	1,188	1,360	663
Asia, Southeast	1,396,545	0	0	12,768	19,825	12,490	18,434	40,082	62,651	61,008	75,785	90,130	106,052	136,087	154,053	154,532	129,679	111,157	96,102	68,451	47,260
Asia, East	1,273,638	0	0	6,690	10,032	6,374	9,455	48,071	81,526	61,234	52,749	81,227	95,884	89,487	95,656	138,068	123,453	116,699	106,174	83,305	67,549
Latin America, Tropical	296,404	0	0	2,909	2,089	1,247	1,816	3,664	5,508	7,458	9,202	11,367	16,524	23,924	32,795	36,614	35,303	32,236	29,053	20,995	23,700
Latin America, Central	819,924	0	0	5,407	6,703	3,162	7,029	20,272	23,226	21,564	23,785	30,482	46,584	74,119	95,793	108,617	100,226	89,993	71,525	48,933	42,504
Latin America, Andean	90,503	0	0	2,546	2,878	1,283	1,297	2,245	3,318	2,766	2,884	3,279	4,213	5,586	7,100	9,208	9,787	9,603	8,725	6,919	6,867
Caribbean	68,756	0	0	1,102	1,270	851	773	1,559	1,834	1,774	1,692	2,749	4,299	6,129	7,000	8,160	7,359	6,705	6,189	4,615	4,698
Global Males	9,259,575	0	0	311,879	346,392	136,835	143,011	253,965	446,127	371,435	383,007	461,635	529,932	671,797	774,594	899,758	828,711	765,305	708,080	577,225	649,869
Female YLLs by age and GBD region, 2010																					
GBD Region	Females	0-6 days	7-27 days	28-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	396,613	0	0	1,604	501	281	408	1,015	2,049	3,255	4,769	6,801	9,890	16,979	24,120	31,897	39,860	43,232	45,228	48,540	116,182
Latin America, Southern	78,687	0	0	443	411	267	471	829	996	1,138	1,542	1,924	2,351	3,672	5,205	7,302	8,873	9,429	9,122	9,395	15,316
Europe, Western	300,729	0	0	420	347	193	281	361	486	886	1,224	2,015	3,315	5,191	7,259	10,782	15,266	21,514	36,361	50,897	143,929
Australasia	17,124	0	0	22	19	13	9	29	41	72	109	209	332	466	701	928	1,288	1,517	1,839	2,349	7,183
Asia Pacific, High Income	163,173	0	0	137	117	71	116	230	333	504	847	1,419	2,005	3,011	4,829	7,982	11,146	15,007	19,546	25,837	70,036
Europe, Eastern	157,549	0	0	511	564	385	487	1,791	4,450	6,143	7,368	8,767	9,929	15,051	18,914	21,471	16,545	12,347	16,462	9,155	7,209
Europe, Central	92,847	0	0	157	189	138	288	482	659	794	1,229	1,850	2,434	3,592	5,698	8,906	10,265	11,251	13,758	14,783	16,375
Asia, Central	121,263	0	0	1,510	3,254	2,220	3,363	8,464	11,804	10,324	10,024	11,404	10,009	10,998	10,514	8,324	5,392	3,690	4,993	2,686	2,290
Sub-Saharan Africa, West	577,654	0	0	58,290	124,004	23,819	16,223	22,079	28,012	29,475	26,423	29,200	24,696	26,289	29,984	34,178	36,358	32,208	21,463	10,823	4,128
Sub-Saharan Africa, Southern	133,935	0	0	2,128	3,037	1,785	2,644	4,511	8,860	11,697	12,314	10,366	9,342	8,662	9,744	10,484	9,323	8,311	8,291	6,420	6,018
Sub-Saharan Africa, East	314,690	0	0	20,243	26,135	6,489	6,787	12,473	15,064	14,866	14,352	17,323	15,006	15,883	21,445	25,154	26,569	26,471	22,727	16,239	11,465
Sub-Saharan Africa, Central	101,709	0	0	12,466	18,118	3,056	3,004	4,233	4,900	4,708	4,383	5,697	4,356	4,451	5,603	6,008	6,333	5,745	4,551	2,564	1,532
North Africa / Middle East	488,291	0	0	16,314	10,084	6,037	10,017	16,883	19,350	18,563	22,926	27,007	30,582	35,465	44,960	48,900	46,516	42,187	38,598	29,272	24,629
Asia, South	2,038,462	0	0	187,983	174,903	92,091	68,556	67,183	74,475	74,341	72,065	133,532	99,531	138,084	121,463	164,848	152,691	141,634	117,642	78,980	78,451
Oceania	28,090	0	0	2,244	1,115	572	913	1,408	1,396	1,691	890	1,264	1,524	1,710	2,413	2,861	2,059	1,957	2,205	776	1,090
Asia, Southeast	981,063	0	0	6,730	15,550	9,376	15,549	28,221	35,757	33,859	45,941	56,961	68,302	81,474	99,341	106,398	102,416	94,520	81,140	56,193	43,337
Asia, East	888,861	0	0	4,069	5,307	3,922	6,171	21,823	24,674	26,496	30,711	55,671	74,585	71,623	78,041	93,492	96,215	81,956	80,158	70,419	63,525
Latin America, Tropical	245,823	0	0	1,700	1,262	1,291	2,181	3,508	4,447	6,495	8,555	10,639	14,218	19,320	23,637	27,672	29,097	25,830	23,471	18,655	23,846
Latin America, Central	670,550	0	0	4,269	6,234	3,467	8,146	15,049	15,422	14,566	16,607	21,096	33,408	50,288	69,499	87,160	89,682	80,645	62,735	46,050	46,228
Latin America, Andean	79,364	0	0	2,046	2,503	993	1,487	2,367	2,607	2,353	2,513	3,160	3,828	4,733	6,348	7,528	7,931	7,709	7,532	6,306	7,419
Caribbean	51,067	0	0	953	919	634	600	1,184	1,509	1,706	1,615	2,414	2,985	3,968	4,451	4,838	4,907	5,757	4,681	3,751	4,196
Global Females	7,927,545	0	0	324,238	394,572	157,101	147,703	214,122	257,290	263,932	286,407	408,718	422,628	520,912	594,170	717,115	718,731	672,916	622,503	510,089	694,383
Total YLLs by age and GBD region, 2010																					
Global Total	17,187,120	0	0	636,117	740,964	293,936	290,714	468,087	703,417	635,367	669,414	870,353	952,560	1,192,709	1,368,764	1,616,873	1,547,442	1,438,221	1,330,583	1,087,314	1,344,252

Annex Table 7 - Male incident cases by age and GBD region, 1990 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	46,424	28	91	143	305	684	1,108	3,558	5,750	7,163	10,384	10,307	5,412	1,491
Latin America, Southern	7,269	6	26	61	111	176	222	534	737	1,060	1,789	1,577	781	189
Europe, Western	28,087	33	85	140	279	612	974	2,663	3,657	4,821	6,600	5,109	2,460	654
Australasia	1,151	1	3	6	11	22	30	78	161	242	266	210	92	28
Asia Pacific, High Income	24,897	20	74	157	338	704	904	2,062	3,313	4,569	5,873	4,103	2,211	570
Europe, Eastern	11,939	7	26	58	108	196	268	862	1,334	2,124	3,648	2,061	1,012	235
Europe, Central	6,136	6	20	43	86	152	194	489	797	1,054	1,529	1,059	561	146
Asia, Central	1,670	5	12	23	38	62	78	193	208	291	412	212	105	30
Sub-Saharan Africa, West	79	3	1	1	3	6	7	8	9	13	14	9	4	1
Sub-Saharan Africa, Southern	73	1	0	1	2	5	5	7	9	13	16	10	3	1
Sub-Saharan Africa, East	96	3	1	1	4	8	8	10	10	15	17	12	5	1
Sub-Saharan Africa, Central	26	1	0	0	1	2	2	3	3	5	5	3	1	0
North Africa / Middle East	14,202	38	159	312	495	745	882	1,837	2,027	2,203	2,724	1,830	766	185
Asia, South	27,818	61	162	317	591	1,035	1,291	2,668	3,339	4,613	6,552	4,817	1,948	424
Oceania	185	1	2	3	6	10	11	22	27	34	37	23	8	2
Asia, Southeast	38,462	47	178	350	703	1,348	1,799	4,123	5,085	6,747	8,731	6,104	2,633	612
Asia, East	180,315	161	402	477	750	1,726	3,435	12,059	22,523	30,924	47,230	38,144	18,183	4,300
Latin America, Tropical	6,995	13	45	96	165	265	346	816	980	1,175	1,435	1,058	481	120
Latin America, Central	12,026	30	94	187	336	562	679	1,374	1,581	1,892	2,428	1,811	831	223
Latin America, Andean	1,907	4	13	25	43	69	86	190	240	319	429	314	142	33
Caribbean	1,720	3	9	17	29	54	72	154	192	276	374	319	174	47
Global Males	411,475	473	1,403	2,418	4,403	8,443	12,403	33,710	51,982	69,552	100,493	79,092	37,812	9,291
Female incident cases by age and GBD region, 1990 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	39,534	19	63	98	209	469	790	2,734	4,343	5,319	8,379	9,406	5,753	1,951
Latin America, Southern	5,528	5	20	36	70	125	161	386	573	857	1,284	1,184	656	170
Europe, Western	20,690	17	56	92	178	382	613	1,711	2,525	3,514	4,582	4,023	2,292	706
Australasia	833	1	2	4	8	18	25	62	103	139	185	173	83	30
Asia Pacific, High Income	17,785	12	48	103	223	469	601	1,370	2,182	3,042	3,909	3,299	1,959	566
Europe, Eastern	13,436	5	19	41	77	142	196	638	1,019	1,775	3,580	3,194	2,181	569
Europe, Central	4,913	4	13	28	57	102	131	331	548	761	1,182	979	608	171
Asia, Central	1,266	3	6	13	22	37	48	115	125	187	301	231	139	39
Sub-Saharan Africa, West	55	2	0	1	2	4	5	5	6	9	9	7	3	1
Sub-Saharan Africa, Southern	52	1	0	0	1	3	4	4	5	8	12	8	3	1
Sub-Saharan Africa, East	73	4	0	1	3	6	7	7	7	12	13	9	4	1
Sub-Saharan Africa, Central	16	1	0	0	1	1	1	1	2	3	3	2	1	0
North Africa / Middle East	9,677	31	101	194	327	527	618	1,204	1,298	1,508	1,863	1,291	575	140
Asia, South	17,801	49	106	213	385	649	805	1,681	2,107	2,943	4,195	3,107	1,283	277
Oceania	119	0	1	2	4	6	7	14	17	21	23	16	7	1
Asia, Southeast	28,314	34	116	246	504	971	1,298	2,964	3,588	4,722	6,286	4,737	2,287	560
Asia, East	123,751	115	244	317	479	1,022	2,097	7,735	14,144	18,763	29,672	27,988	16,602	4,572
Latin America, Tropical	5,904	9	30	67	122	206	273	650	792	967	1,229	962	473	123
Latin America, Central	10,234	19	73	138	258	455	564	1,152	1,289	1,512	2,076	1,653	814	231
Latin America, Andean	1,335	3	8	16	28	47	59	127	160	214	292	233	118	29
Caribbean	1,169	2	5	11	19	35	47	100	123	177	256	228	131	36
Global Females	302,484	336	913	1,620	2,977	5,679	8,350	22,991	34,953	46,454	69,333	62,730	35,973	10,175
Total incident cases by age and GBD region, 1990 - Dialysis														
Global Total	713,958	809	2,316	4,038	7,380	14,122	20,753	56,701	86,935	116,005	169,826	141,822	73,785	19,466

Annex Table 7 - Male incident cases by age and GBD region, 2005 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	67,670	38	114	116	244	598	961	2,937	6,146	10,863	15,336	14,602	11,771	3,945
Latin America, Southern	5,936	8	23	35	62	115	160	431	643	937	1,232	1,216	858	214
Europe, Western	56,173	110	247	351	509	846	1,043	2,060	4,149	7,736	11,576	13,529	10,550	3,467
Australasia	2,373	1	4	8	14	22	32	102	213	380	599	538	365	94
Asia Pacific, High Income	34,339	6	18	25	52	121	238	1,064	2,578	5,131	8,719	8,946	5,950	1,493
Europe, Eastern	7,497	7	11	24	72	198	292	666	1,172	1,961	1,344	1,094	538	116
Europe, Central	9,958	5	14	34	73	148	215	553	850	1,650	2,228	2,317	1,510	362
Asia, Central	2,304	3	9	19	42	81	96	196	307	430	409	443	225	43
Sub-Saharan Africa, West	109	3	1	2	4	9	10	13	13	18	18	13	6	1
Sub-Saharan Africa, Southern	75	1	0	1	2	5	6	7	8	14	17	11	4	1
Sub-Saharan Africa, East	118	5	1	2	5	11	11	13	13	19	19	14	6	1
Sub-Saharan Africa, Central	33	1	0	1	1	3	3	4	4	5	5	3	2	0
North Africa / Middle East	38,409	51	159	302	608	1,191	1,645	3,786	5,196	6,771	7,741	6,780	3,434	745
Asia, South	25,721	53	122	216	411	760	1,026	2,503	3,646	4,960	5,479	4,209	1,883	454
Oceania	250	1	2	4	7	11	14	31	38	48	50	31	11	2
Asia, Southeast	59,874	23	104	270	684	1,437	2,086	5,444	8,836	12,160	12,831	10,205	4,716	1,077
Asia, East	351,660	166	460	712	1,294	2,570	4,244	20,190	41,019	61,903	86,141	79,382	42,789	10,790
Latin America, Tropical	11,801	12	42	89	173	338	480	1,091	1,607	2,169	2,546	1,975	1,001	278
Latin America, Central	19,302	24	107	195	360	625	805	1,904	2,643	3,446	4,047	3,159	1,573	412
Latin America, Andean	2,645	4	12	24	46	81	106	243	336	452	580	477	226	57
Caribbean	1,966	2	7	15	29	53	67	158	260	332	426	373	189	55
Global Males	698,212	523	1,458	2,445	4,692	9,222	13,539	43,394	79,675	121,385	161,343	149,318	87,607	23,610
Female incident cases by age and GBD region, 2005 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	58,458	33	81	99	214	496	779	2,408	4,811	8,412	12,896	12,811	11,236	4,184
Latin America, Southern	4,795	4	13	26	52	98	135	358	515	730	932	965	747	220
Europe, Western	43,454	35	102	195	346	625	810	1,693	3,200	5,634	8,018	9,961	9,239	3,594
Australasia	1,680	1	3	7	11	17	26	88	159	247	412	370	252	88
Asia Pacific, High Income	25,006	4	10	19	40	87	166	739	1,757	3,501	5,857	6,400	4,915	1,510
Europe, Eastern	6,441	4	8	21	52	118	170	412	744	1,328	1,150	1,288	904	242
Europe, Central	8,577	4	10	25	53	103	149	393	603	1,188	1,733	2,145	1,708	463
Asia, Central	2,058	3	6	14	31	60	73	150	246	359	354	431	267	65
Sub-Saharan Africa, West	88	3	1	1	3	8	8	9	9	15	14	10	5	1
Sub-Saharan Africa, Southern	70	1	0	0	2	4	5	5	7	13	16	12	4	1
Sub-Saharan Africa, East	98	2	0	1	4	9	10	10	10	17	17	12	5	1
Sub-Saharan Africa, Central	24	1	0	0	1	2	2	2	3	4	4	3	1	0
North Africa / Middle East	24,670	36	97	181	387	795	1,080	2,263	3,053	4,090	5,030	4,638	2,478	543
Asia, South	15,220	38	71	132	262	499	659	1,504	2,044	2,721	3,179	2,610	1,213	289
Oceania	148	0	1	2	4	6	8	17	21	27	29	20	9	2
Asia, Southeast	48,310	32	91	219	508	1,024	1,503	4,105	6,686	9,122	10,478	9,048	4,442	1,052
Asia, East	227,234	88	231	373	697	1,418	2,447	12,040	23,432	34,110	52,351	54,762	35,565	9,721
Latin America, Tropical	9,237	7	29	61	119	236	342	809	1,213	1,663	2,021	1,641	852	246
Latin America, Central	17,218	17	87	162	315	575	752	1,761	2,380	3,029	3,430	2,782	1,499	430
Latin America, Andean	1,840	2	8	16	31	55	70	158	222	307	394	345	182	50
Caribbean	1,231	2	4	9	17	31	39	94	157	204	256	240	137	42
Global Females	495,857	316	854	1,564	3,149	6,267	9,233	29,019	51,270	76,721	108,570	110,492	75,660	22,742
Total incident cases by age and GBD region, 2005 - Dialysis														
Global Total	1,194,070	839	2,312	4,008	7,842	15,489	22,772	72,413	130,945	198,107	269,913	259,811	163,268	46,352

Annex Table 7 - Male incident cases by age and GBD region, 2010 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	76,145	39	121	123	239	600	989	3,101	5,954	11,891	18,957	17,275	12,333	4,524
Latin America, Southern	6,937	9	26	37	64	126	181	494	744	1,123	1,490	1,420	962	262
Europe, Western	57,632	101	243	338	477	788	1,003	1,975	3,975	7,975	12,104	13,754	11,012	3,887
Australasia	2,598	2	5	8	13	22	33	103	211	402	684	623	382	109
Asia Pacific, High Income	36,016	6	16	21	49	114	208	927	2,569	4,904	8,922	9,623	6,780	1,877
Europe, Eastern	6,966	7	11	22	53	143	269	679	986	1,743	1,521	924	472	134
Europe, Central	10,563	4	13	30	63	131	209	575	893	1,583	2,665	2,310	1,655	430
Asia, Central	2,478	3	9	18	36	75	106	214	308	522	533	388	214	52
Sub-Saharan Africa, West	125	3	1	2	5	10	12	14	15	21	19	14	7	1
Sub-Saharan Africa, Southern	92	0	0	1	2	6	8	9	10	16	21	13	4	1
Sub-Saharan Africa, East	140	3	1	2	6	13	14	15	15	23	23	16	7	1
Sub-Saharan Africa, Central	35	1	0	1	1	3	3	4	4	6	5	4	2	0
North Africa / Middle East	44,368	45	166	311	600	1,172	1,762	4,662	6,140	7,999	9,765	6,995	3,859	894
Asia, South	25,832	37	101	183	366	712	996	2,509	3,545	4,892	5,919	4,208	1,899	466
Oceania	268	1	2	4	7	12	15	32	42	51	54	33	12	3
Asia, Southeast	70,506	23	107	290	696	1,490	2,197	5,913	9,933	14,928	16,442	11,522	5,643	1,322
Asia, East	386,203	152	435	650	1,166	2,309	4,656	17,573	43,584	63,988	106,686	83,380	49,138	12,485
Latin America, Tropical	12,893	10	36	80	162	303	439	1,126	1,607	2,431	3,040	2,236	1,095	327
Latin America, Central	24,261	25	110	216	416	779	999	2,288	3,293	4,418	5,292	3,909	1,970	548
Latin America, Andean	2,741	3	12	24	43	75	99	239	346	481	621	493	242	63
Caribbean	2,278	2	7	15	30	55	74	166	279	411	512	432	230	66
Global Males	769,076	476	1,424	2,378	4,497	8,938	14,271	42,617	84,452	129,808	195,274	159,573	97,918	27,451
Female incident cases by age and GBD region, 2010 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	61,697	33	83	99	197	474	765	2,385	4,375	8,659	15,013	14,274	11,036	4,302
Latin America, Southern	5,473	4	14	26	53	106	152	408	578	840	1,109	1,098	822	264
Europe, Western	42,460	36	98	187	317	550	721	1,478	2,896	5,659	8,106	9,664	9,030	3,718
Australasia	1,910	1	4	7	11	18	27	90	165	276	503	445	263	100
Asia Pacific, High Income	28,829	4	11	19	44	96	168	728	2,044	3,873	6,574	7,397	5,933	1,939
Europe, Eastern	6,315	5	9	24	44	90	164	449	752	1,508	1,347	1,023	673	227
Europe, Central	8,705	4	10	22	44	87	138	383	602	1,096	1,946	2,040	1,798	535
Asia, Central	1,995	2	6	11	23	51	72	146	220	389	425	358	228	65
Sub-Saharan Africa, West	95	3	1	1	4	8	9	11	11	16	15	11	5	1
Sub-Saharan Africa, Southern	67	1	0	0	1	4	5	5	5	12	17	12	4	1
Sub-Saharan Africa, East	101	2	0	1	4	9	10	11	10	16	18	13	6	1
Sub-Saharan Africa, Central	24	1	0	0	1	2	2	2	2	4	4	3	1	0
North Africa / Middle East	31,780	37	120	219	423	835	1,226	3,028	3,946	5,415	6,997	5,556	3,215	764
Asia, South	19,565	38	78	144	295	577	792	1,878	2,569	3,529	4,338	3,340	1,603	384
Oceania	204	1	1	3	5	8	10	22	29	37	43	29	13	3
Asia, Southeast	51,667	27	85	202	452	948	1,429	4,071	6,915	10,300	11,812	9,247	4,967	1,211
Asia, East	250,448	89	208	316	623	1,337	2,762	10,436	25,027	35,889	64,711	57,575	40,372	11,103
Latin America, Tropical	10,387	7	26	60	123	230	332	854	1,243	1,906	2,447	1,892	969	299
Latin America, Central	16,283	14	67	141	269	495	647	1,502	2,143	2,896	3,518	2,671	1,477	444
Latin America, Andean	2,288	3	9	17	33	61	81	187	268	378	508	433	241	68
Caribbean	1,471	1	4	9	19	34	46	102	171	256	322	285	168	53
Global Females	541,764	315	834	1,509	2,985	6,021	9,557	28,175	53,970	82,953	129,773	117,367	82,823	25,482
Total incident cases by age and GBD region, 2010 - Dialysis														
Global Total	1,310,840	791	2,258	3,887	7,482	14,959	23,829	70,792	138,422	212,761	325,046	276,940	180,741	52,933

Annex Table 8 - Male incident cases by age and GBD region, 1990 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	7,546	9	42	68	86	182	412	1,619	2,254	1,630	876	326	39	3
Latin America, Southern	394	0	2	4	7	12	22	70	91	88	71	24	3	0
Europe, Western	13,046	4	31	77	125	283	613	2,041	2,898	3,123	2,715	1,007	120	9
Australasia	188	0	1	3	4	9	19	63	49	24	11	4	1	0
Asia Pacific, High Income	1,803	1	5	13	22	46	81	258	432	463	369	103	11	1
Europe, Eastern	1,725	0	3	9	14	30	63	272	392	425	408	97	10	1
Europe, Central	2,059	1	6	15	24	46	84	305	494	475	452	140	15	1
Asia, Central	40	0	0	1	1	2	3	9	8	8	7	1	0	0
Sub-Saharan Africa, West	4	0	0	0	0	0	0	1	1	1	1	0	0	0
Sub-Saharan Africa, Southern	20	0	0	0	0	1	2	4	5	4	3	1	0	0
Sub-Saharan Africa, East	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, Central	2	0	0	0	0	0	0	0	1	0	0	0	0	0
North Africa / Middle East	1,897	3	20	43	56	95	164	448	452	331	220	59	5	0
Asia, South	448	0	3	7	10	17	30	86	100	95	75	22	2	0
Oceania	5	0	0	0	0	0	0	1	1	1	1	0	0	0
Asia, Southeast	1,791	1	10	25	37	83	169	483	426	310	188	52	6	1
Asia, East	4,681	2	19	43	65	154	305	822	1,089	996	892	267	24	2
Latin America, Tropical	1,055	1	5	14	20	36	70	216	255	224	162	48	4	0
Latin America, Central	1,617	1	10	24	36	68	121	329	359	322	260	80	8	1
Latin America, Andean	160	0	1	3	4	7	12	32	36	33	25	7	1	0
Caribbean	65	0	0	1	1	2	4	12	13	14	12	4	0	0
Global Males	38,550	22	160	352	512	1,073	2,174	7,071	9,358	8,567	6,747	2,243	249	20
Female incident cases by age and GBD region, 1990 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	4,512	6	29	45	55	106	229	911	1,282	968	591	250	36	4
Latin America, Southern	224	0	1	3	5	7	11	32	45	49	48	19	3	0
Europe, Western	7,828	2	19	46	74	157	331	1,107	1,561	1,791	1,828	787	114	11
Australasia	117	0	1	2	3	6	11	36	31	17	7	3	0	0
Asia Pacific, High Income	951	0	3	7	12	24	41	131	201	229	219	75	8	1
Europe, Eastern	1,038	0	2	5	8	14	27	115	180	242	311	115	17	2
Europe, Central	1,291	0	4	10	15	27	47	167	268	287	329	120	15	1
Asia, Central	26	0	0	0	1	1	2	5	5	5	5	2	0	0
Sub-Saharan Africa, West	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, Southern	12	0	0	0	0	0	1	2	3	2	2	1	0	0
Sub-Saharan Africa, East	2	0	0	0	0	0	0	1	1	0	0	0	0	0
Sub-Saharan Africa, Central	2	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	1,194	2	13	27	35	59	102	280	285	215	137	37	3	0
Asia, South	263	0	2	5	7	11	18	50	57	55	44	13	1	0
Oceania	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Asia, Southeast	1,173	1	7	16	23	51	104	299	273	212	140	42	5	1
Asia, East	2,553	1	12	26	38	88	168	443	593	530	475	159	18	2
Latin America, Tropical	594	0	3	8	12	21	37	111	132	127	106	33	3	0
Latin America, Central	945	1	6	15	23	39	64	171	191	188	181	59	6	1
Latin America, Andean	90	0	1	2	2	4	6	17	20	19	14	4	0	0
Caribbean	37	0	0	0	1	1	2	7	7	8	7	2	0	0
Global Females	22,857	15	102	218	313	617	1,201	3,886	5,138	4,946	4,446	1,719	232	23
Total incident cases by age and GBD region, 1990 - Transplantation														
Global Total	61,407	37	262	570	826	1,690	3,375	10,957	14,496	13,513	11,194	3,963	480	43

Annex Table 8 - Male incident cases by age and GBD region, 2005 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	13,151	15	69	106	136	253	498	1,668	3,051	3,679	2,722	856	92	8
Latin America, Southern	1,065	0	3	7	11	25	53	178	253	267	198	64	6	1
Europe, Western	14,916	5	46	116	186	337	606	2,095	2,943	3,344	3,484	1,513	223	17
Australasia	420	1	4	5	4	9	24	85	115	103	54	15	1	0
Asia Pacific, High Income	2,713	1	4	10	16	35	80	342	614	726	633	224	27	2
Europe, Eastern	3,360	0	2	7	14	52	123	413	774	1,039	658	254	20	1
Europe, Central	2,960	1	5	14	26	59	121	417	625	834	606	221	28	2
Asia, Central	72	0	0	1	2	3	5	14	17	16	8	4	0	0
Sub-Saharan Africa, West	9	0	0	0	0	0	1	2	2	2	1	0	0	0
Sub-Saharan Africa, Southern	60	0	0	1	1	2	4	12	14	13	9	2	0	0
Sub-Saharan Africa, East	7	0	0	0	0	0	1	2	1	1	1	0	0	0
Sub-Saharan Africa, Central	5	0	0	0	0	0	0	1	1	1	1	0	0	0
North Africa / Middle East	5,592	4	30	71	109	222	419	1,185	1,503	1,237	610	184	18	1
Asia, South	1,052	1	5	14	21	39	67	193	247	244	165	50	5	0
Oceania	11	0	0	0	0	0	1	3	2	2	1	0	0	0
Asia, Southeast	3,267	1	14	36	60	121	231	690	817	719	427	135	15	1
Asia, East	11,016	3	25	69	118	245	412	1,541	2,650	2,960	2,219	706	63	5
Latin America, Tropical	2,381	1	8	21	31	69	143	432	600	579	374	111	11	1
Latin America, Central	4,143	1	16	42	66	125	231	716	966	987	734	234	23	2
Latin America, Andean	289	0	2	4	7	11	20	56	67	62	44	14	2	0
Caribbean	139	0	1	1	2	4	7	22	33	32	26	9	1	0
Global Males	66,627	34	235	525	811	1,612	3,048	10,067	15,297	16,847	12,976	4,597	534	42
Female incident cases by age and GBD region, 2005 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	9,223	11	50	76	95	163	305	1,047	2,071	2,639	2,023	655	79	8
Latin America, Southern	695	0	2	5	8	15	29	97	154	179	146	53	6	1
Europe, Western	10,052	4	31	75	119	214	386	1,344	1,835	2,186	2,469	1,161	209	19
Australasia	229	0	2	3	5	8	13	41	62	57	30	8	1	0
Asia Pacific, High Income	1,592	0	3	8	12	24	51	213	340	399	373	145	21	2
Europe, Eastern	2,186	0	2	5	10	26	53	177	380	652	573	279	27	2
Europe, Central	1,970	0	3	9	16	34	69	237	360	538	474	199	29	2
Asia, Central	49	0	0	1	1	2	3	9	12	11	6	3	0	0
Sub-Saharan Africa, West	6	0	0	0	0	0	1	1	1	1	1	0	0	0
Sub-Saharan Africa, Southern	37	0	0	0	1	1	3	7	8	9	6	2	0	0
Sub-Saharan Africa, East	5	0	0	0	0	0	0	1	1	1	1	0	0	0
Sub-Saharan Africa, Central	3	0	0	0	0	0	0	1	1	1	0	0	0	0
North Africa / Middle East	3,505	3	21	47	72	146	276	752	916	748	390	122	11	1
Asia, South	579	0	3	8	13	22	38	106	127	128	98	32	3	0
Oceania	7	0	0	0	0	0	1	2	2	1	1	0	0	0
Asia, Southeast	2,132	1	9	22	35	74	148	457	543	460	272	96	14	1
Asia, East	6,240	2	14	39	67	139	233	867	1,447	1,628	1,316	437	46	5
Latin America, Tropical	1,351	1	5	12	19	36	69	212	319	338	251	81	9	1
Latin America, Central	2,462	1	10	25	40	68	116	356	510	608	531	176	19	2
Latin America, Andean	176	0	1	3	4	7	12	34	39	37	28	10	1	0
Caribbean	81	0	0	1	1	2	4	13	19	19	15	5	1	0
Global Females	42,582	25	158	339	516	983	1,809	5,972	9,147	10,642	9,005	3,465	476	45
Total incident cases by age and GBD region, 2005 - Transplantation														
Global Total	109,209	59	393	864	1,327	2,595	4,857	16,040	24,444	27,489	21,981	8,062	1,010	87

Annex Table 8 - Male incident cases by age and GBD region, 2010 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	15,960	18	84	130	158	302	602	2,024	3,295	4,391	3,644	1,185	117	10
Latin America, Southern	1,316	0	3	7	12	29	63	217	308	332	254	82	8	1
Europe, Western	18,149	7	58	143	225	402	735	2,441	3,408	4,209	4,305	1,893	301	24
Australasia	527	1	5	5	5	11	28	101	142	135	71	20	2	0
Asia Pacific, High Income	3,342	1	5	11	18	40	87	376	792	885	780	302	41	4
Europe, Eastern	4,174	0	3	8	13	47	143	534	887	1,279	979	255	23	2
Europe, Central	3,784	1	7	17	28	64	147	557	824	966	864	270	37	3
Asia, Central	94	0	1	1	2	4	7	18	21	23	13	3	1	0
Sub-Saharan Africa, West	12	0	0	0	0	1	1	3	3	2	1	0	0	0
Sub-Saharan Africa, Southern	72	0	0	1	1	2	5	15	17	16	12	3	0	0
Sub-Saharan Africa, East	10	0	0	0	0	1	1	2	2	2	1	0	0	0
Sub-Saharan Africa, Central	7	0	0	0	0	0	1	2	2	1	1	0	0	0
North Africa / Middle East	8,151	5	41	94	139	289	595	1,864	2,180	1,768	918	230	25	2
Asia, South	1,263	1	6	15	23	43	77	226	289	297	219	61	6	1
Oceania	14	0	0	0	0	1	1	3	3	3	2	0	0	0
Asia, Southeast	4,249	1	16	44	70	143	276	851	1,027	983	636	179	22	2
Asia, East	14,712	3	29	76	131	280	572	1,701	3,505	3,854	3,506	955	93	8
Latin America, Tropical	3,187	1	9	25	40	80	166	561	765	814	552	157	15	1
Latin America, Central	5,407	2	19	48	74	153	287	884	1,225	1,316	1,043	323	31	2
Latin America, Andean	378	0	2	5	8	14	24	71	87	84	62	19	2	0
Caribbean	183	0	1	2	3	5	9	26	41	47	36	12	1	0
Global Males	84,992	42	289	634	951	1,910	3,827	12,477	18,823	21,407	17,899	5,950	726	58
Female incident cases by age and GBD region, 2010 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	11,135	14	63	94	111	198	375	1,257	2,161	3,103	2,745	906	98	10
Latin America, Southern	867	0	2	6	9	18	35	119	182	223	197	68	7	1
Europe, Western	11,322	4	35	81	126	222	410	1,399	1,961	2,603	2,938	1,290	230	22
Australasia	305	1	3	4	6	10	16	51	78	78	44	13	1	0
Asia Pacific, High Income	2,005	1	4	9	14	28	56	235	446	502	480	197	30	3
Europe, Eastern	2,871	0	3	6	10	25	66	241	440	832	906	306	32	3
Europe, Central	2,495	1	4	10	17	36	79	297	461	622	683	244	38	3
Asia, Central	69	0	0	1	1	3	5	12	15	18	11	3	1	0
Sub-Saharan Africa, West	8	0	0	0	0	0	1	2	2	1	1	0	0	0
Sub-Saharan Africa, Southern	49	0	0	0	1	2	3	9	10	11	9	3	0	0
Sub-Saharan Africa, East	7	0	0	0	0	0	1	2	1	1	1	0	0	0
Sub-Saharan Africa, Central	5	0	0	0	0	0	0	1	1	1	1	0	0	0
North Africa / Middle East	4,317	3	23	51	75	154	315	963	1,109	943	525	140	14	1
Asia, South	735	0	4	9	15	26	44	127	153	167	141	43	5	1
Oceania	9	0	0	0	0	0	1	2	2	2	1	0	0	0
Asia, Southeast	2,588	1	10	24	37	80	161	519	649	600	369	118	19	2
Asia, East	9,049	2	17	43	75	156	318	967	2,048	2,369	2,312	662	72	7
Latin America, Tropical	1,990	1	6	16	25	47	92	314	439	512	402	122	13	1
Latin America, Central	3,223	1	11	29	44	80	138	425	634	818	776	240	25	2
Latin America, Andean	227	0	1	3	5	8	14	41	51	50	39	13	2	0
Caribbean	111	0	0	1	2	3	5	16	24	28	23	8	1	0
Global Females	53,386	29	186	388	572	1,097	2,137	6,999	10,868	13,483	12,604	4,378	588	57
Total incident cases by age and GBD region, 2010 - Transplantation														
Global Total	138,379	71	475	1,022	1,523	3,008	5,964	19,476	29,691	34,890	30,503	10,328	1,313	115

Annex Table 9 - Male prevalent cases by age and GBD region, 1990 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	3,090,880	353	1,182	983	7,205	24,209	43,966	204,169	340,975	372,989	530,711	702,570	574,429	287,137
Latin America, Southern	523,001	104	348	292	2,099	6,260	9,747	37,625	59,762	74,983	104,767	112,125	78,943	35,944
Europe, Western	6,253,340	493	1,715	1,564	12,181	43,697	80,639	316,320	539,192	750,482	1,184,011	1,392,806	1,275,189	655,052
Australasia	351,222	40	133	116	886	3,114	5,186	22,353	39,882	46,520	65,225	79,239	60,713	27,816
Asia Pacific, High Income	3,413,861	319	1,136	1,080	9,189	32,540	51,422	201,811	407,524	545,244	725,175	668,272	521,396	248,753
Europe, Eastern	2,601,801	327	1,204	1,074	7,421	23,343	38,322	196,284	322,962	422,003	631,487	444,895	354,220	158,259
Europe, Central	1,643,057	184	663	606	4,720	14,586	22,967	100,660	188,985	226,360	357,360	330,006	269,807	126,151
Asia, Central	465,620	173	570	455	2,861	8,571	13,181	51,648	62,363	75,170	104,883	68,606	50,627	26,513
Sub-Saharan Africa, West	1,659,636	1,114	3,325	2,464	14,933	41,006	56,831	182,992	253,618	289,201	317,767	282,536	156,230	57,619
Sub-Saharan Africa, Southern	389,182	176	587	495	3,412	9,912	14,371	47,834	64,737	68,615	73,853	60,161	32,359	12,672
Sub-Saharan Africa, East	1,415,578	1,023	3,094	2,285	13,514	37,459	52,254	163,433	220,133	234,250	263,454	234,797	136,920	52,962
Sub-Saharan Africa, Central	342,682	294	840	553	3,190	8,880	12,577	40,249	54,214	58,817	63,674	55,721	31,721	11,952
North Africa / Middle East	2,227,489	1,033	3,456	2,835	17,941	50,357	73,347	247,100	332,748	339,428	431,903	383,797	242,198	101,347
Asia, South	11,500,000	4,287	13,832	11,020	76,889	225,693	342,588	1,201,078	1,673,071	1,880,698	2,242,825	2,042,180	1,236,485	522,222
Oceania	39,880	23	73	57	381	1,128	1,554	4,998	6,796	7,330	7,551	5,845	2,996	1,148
Asia, Southeast	4,201,080	1,488	4,993	4,242	29,240	89,778	137,709	476,451	611,478	652,397	792,515	728,218	474,142	198,430
Asia, East	11,400,000	2,379	7,947	6,177	47,030	183,733	316,650	1,031,946	1,604,326	1,706,616	2,259,382	2,208,945	1,417,436	576,304
Latin America, Tropical	1,342,482	428	1,472	1,260	8,372	24,763	39,243	144,996	198,964	211,527	247,163	235,059	158,689	70,547
Latin America, Central	1,255,847	495	1,630	1,320	9,567	28,619	42,024	136,516	180,310	188,429	223,072	216,458	152,175	75,231
Latin America, Andean	314,352	129	421	342	2,298	6,783	10,055	33,190	44,734	49,870	58,357	54,498	37,427	16,248
Caribbean	310,519	81	269	217	1,539	5,066	8,196	27,572	36,806	44,129	54,828	59,550	48,081	24,185
Global Males	54,741,509	14,944	48,890	39,437	274,869	869,496	1,372,830	4,869,225	7,243,578	8,245,058	10,739,962	10,366,283	7,312,183	3,286,493
Female prevalent cases by age and GBD region, 1990 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	6,496,892	548	1,835	1,527	11,200	37,689	69,668	335,894	572,681	635,060	971,043	1,479,576	1,462,075	918,096
Latin America, Southern	1,054,267	163	544	453	3,328	9,986	15,679	62,664	101,078	128,820	192,775	235,930	199,635	103,212
Europe, Western	14,000,000	695	2,436	2,270	18,919	68,377	127,615	510,916	884,559	1,270,324	2,209,550	3,178,995	3,563,505	2,206,516
Australasia	680,760	64	211	179	1,396	4,971	8,437	36,982	65,011	73,939	107,755	153,212	145,006	83,596
Asia Pacific, High Income	6,878,964	452	1,604	1,525	14,046	50,251	79,928	321,905	654,937	907,430	1,299,987	1,494,264	1,332,937	719,698
Europe, Eastern	7,221,148	473	1,760	1,617	11,643	36,573	60,056	314,683	538,291	780,002	1,409,276	1,571,037	1,645,310	850,429
Europe, Central	3,528,048	292	1,047	945	7,392	22,915	36,253	161,945	312,078	397,125	690,410	770,872	740,452	386,321
Asia, Central	1,052,215	288	936	716	4,580	13,766	21,897	87,829	107,088	132,208	207,086	201,360	178,771	95,690
Sub-Saharan Africa, West	2,958,149	1,805	5,377	3,948	24,133	67,072	94,068	303,226	423,001	492,119	566,803	533,034	317,673	125,891
Sub-Saharan Africa, Southern	753,200	313	1,026	823	5,571	16,334	23,920	79,739	108,440	118,784	135,110	133,119	89,021	40,999
Sub-Saharan Africa, East	2,560,888	1,635	4,865	3,397	22,031	62,127	87,895	278,977	379,721	412,368	475,407	440,698	276,333	115,434
Sub-Saharan Africa, Central	664,710	419	1,236	877	5,353	14,899	21,230	68,354	93,952	107,408	125,446	119,759	75,047	30,730
North Africa / Middle East	3,716,205	1,506	5,098	4,342	28,491	80,281	116,605	390,473	518,236	557,680	716,006	656,508	444,501	196,478
Asia, South	17,900,000	6,748	21,817	17,755	120,347	350,301	527,871	1,825,413	2,561,197	2,939,309	3,467,428	3,184,918	1,995,376	850,475
Oceania	68,672	33	108	86	599	1,774	2,463	8,107	11,035	11,552	12,357	11,039	6,707	2,811
Asia, Southeast	7,721,823	2,375	7,934	6,610	47,048	146,013	226,181	782,667	1,027,528	1,150,418	1,440,365	1,408,583	1,015,611	460,492
Asia, East	18,800,000	3,569	12,115	9,560	71,449	279,358	475,645	1,529,940	2,366,057	2,488,669	3,423,834	3,802,144	2,929,122	1,454,045
Latin America, Tropical	2,471,370	737	2,533	2,162	13,785	41,080	65,313	243,746	339,253	369,873	448,710	452,119	333,518	158,540
Latin America, Central	2,325,673	749	2,489	2,076	15,433	46,786	70,001	231,181	304,781	320,088	411,315	424,695	324,539	171,539
Latin America, Andean	564,161	195	641	529	3,708	11,015	16,440	54,763	74,662	84,346	101,904	101,753	77,381	36,825
Caribbean	551,159	131	435	352	2,495	8,293	13,565	46,463	62,164	73,417	94,353	107,895	93,036	48,560
Global Females	101,968,303	23,191	76,047	61,750	432,947	1,369,860	2,160,729	7,675,866	11,505,749	13,450,938	18,506,919	20,461,509	17,245,558	9,056,377
Total prevalent cases by age and GBD region, 1990 - CKD Stage 3														
Global Total	156,709,812	38,135	124,937	101,187	707,816	2,239,356	3,533,560	12,545,091	18,749,327	21,695,995	29,246,881	30,827,792	24,557,741	12,342,869

Annex Table 9 - Male prevalent cases by age and GBD region, 2005 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	4,222,750	379	1,260	1,072	8,737	28,902	48,917	199,968	423,311	639,528	780,748	814,771	799,275	475,881
Latin America, Southern	641,703	88	305	271	2,093	6,682	10,753	42,059	70,054	93,172	118,779	132,823	110,361	54,265
Europe, Western	8,055,621	505	1,704	1,483	11,474	39,347	69,282	316,734	669,810	937,269	1,406,109	1,901,950	1,756,041	943,913
Australasia	609,917	50	168	155	1,219	3,951	6,645	28,617	58,650	84,666	113,926	125,228	120,255	66,387
Asia Pacific, High Income	4,602,717	221	788	764	6,181	20,839	39,027	194,297	371,190	600,883	952,887	1,104,663	884,270	426,709
Europe, Eastern	2,904,290	218	709	623	6,137	25,474	44,106	163,682	315,875	494,760	496,157	660,398	511,710	184,442
Europe, Central	1,898,596	129	441	402	3,534	13,147	23,564	98,762	171,344	289,430	351,827	429,375	357,753	158,889
Asia, Central	583,795	131	431	375	3,300	10,798	15,568	51,841	88,109	103,529	83,599	112,427	83,935	29,753
Sub-Saharan Africa, West	4,215,699	2,585	7,948	6,074	36,883	106,437	155,406	498,965	648,246	688,876	777,684	707,243	418,826	160,526
Sub-Saharan Africa, Southern	575,487	184	621	523	3,996	12,850	20,245	66,700	88,522	102,328	110,096	93,777	54,093	21,553
Sub-Saharan Africa, East	2,183,625	1,324	4,151	3,130	20,415	58,803	84,025	264,421	334,355	351,407	387,688	359,622	225,133	89,151
Sub-Saharan Africa, Central	459,178	345	1,056	756	4,625	12,934	18,001	55,704	73,630	77,065	82,412	73,551	42,686	16,412
North Africa / Middle East	3,567,966	1,009	3,317	2,753	21,622	70,705	112,678	377,356	546,968	584,463	581,233	642,855	442,856	180,151
Asia, South	10,400,000	2,944	9,751	7,953	61,249	191,445	295,969	1,055,286	1,623,630	1,840,287	1,841,658	1,764,725	1,149,940	506,238
Oceania	61,520	27	89	72	476	1,398	2,172	7,817	10,750	11,596	11,472	9,096	4,732	1,825
Asia, Southeast	7,485,427	1,628	5,484	4,697	37,653	121,490	196,085	729,531	1,178,404	1,314,597	1,283,015	1,330,524	894,020	388,299
Asia, East	13,900,000	1,562	5,520	5,227	44,591	153,185	226,091	1,042,380	1,992,802	2,414,909	2,569,011	2,723,894	1,894,523	818,847
Latin America, Tropical	2,148,321	418	1,470	1,278	8,997	30,132	51,198	184,157	306,952	365,581	381,134	375,720	290,461	150,822
Latin America, Central	1,871,400	440	1,493	1,287	10,073	30,582	47,123	174,522	270,876	309,460	326,024	326,978	248,005	124,536
Latin America, Andean	488,821	121	413	359	2,705	8,337	12,914	46,496	69,200	78,096	86,364	89,565	63,748	30,503
Caribbean	422,752	76	263	236	1,766	5,544	8,411	32,017	58,152	64,027	73,460	82,093	62,808	33,899
Global Males	71,299,585	14,385	47,382	39,490	297,723	952,980	1,488,181	5,631,312	9,370,829	11,445,930	12,815,283	13,861,278	10,415,427	4,863,000
Female prevalent cases by age and GBD region, 2005 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	8,254,296	573	1,889	1,553	13,516	44,859	75,660	317,570	691,520	1,079,760	1,368,211	1,564,215	1,782,632	1,312,338
Latin America, Southern	1,352,830	144	494	432	3,414	10,963	17,777	70,948	121,582	168,110	222,717	283,198	283,495	169,556
Europe, Western	16,700,000	747	2,537	2,262	18,164	62,548	111,789	520,311	1,111,736	1,562,915	2,439,898	3,745,005	4,203,226	2,904,469
Australasia	1,112,179	77	254	230	1,874	6,155	10,504	47,075	97,328	140,408	185,660	215,523	239,283	167,809
Asia Pacific, High Income	8,985,285	346	1,227	1,167	9,352	31,701	59,857	307,654	589,619	955,485	1,581,926	2,067,079	2,054,593	1,325,280
Europe, Eastern	8,064,463	332	1,077	947	9,761	40,937	71,735	273,572	555,677	958,111	1,164,150	2,003,958	2,025,904	958,302
Europe, Central	4,137,033	180	629	613	5,623	20,970	37,789	160,053	283,252	498,596	668,490	970,802	979,510	510,528
Asia, Central	1,226,352	196	646	568	5,235	17,305	25,458	89,996	160,319	189,507	160,454	245,819	225,772	105,076
Sub-Saharan Africa, West	7,464,458	3,968	12,029	8,798	58,343	171,145	252,705	812,721	1,073,618	1,205,747	1,390,961	1,314,226	824,988	335,208
Sub-Saharan Africa, Southern	1,173,927	287	983	869	6,732	21,627	33,816	108,138	154,537	195,381	219,789	215,243	147,080	69,445
Sub-Saharan Africa, East	3,926,302	2,214	6,940	5,210	33,063	95,359	136,819	432,400	557,485	619,751	706,781	684,345	453,982	191,954
Sub-Saharan Africa, Central	861,481	573	1,768	1,276	7,709	21,572	30,120	93,588	124,553	135,232	156,382	151,742	96,484	40,482
North Africa / Middle East	5,887,043	1,679	5,432	4,282	33,691	111,428	177,683	576,060	833,979	906,532	966,361	1,112,205	812,743	344,967
Asia, South	16,700,000	4,724	15,551	12,565	93,269	292,140	452,841	1,624,254	2,489,191	2,796,578	2,978,988	3,050,447	2,036,593	901,153
Oceania	106,768	43	140	113	733	2,153	3,366	12,132	16,962	18,921	19,495	17,123	10,818	4,770
Asia, Southeast	13,700,000	2,522	8,513	7,311	58,517	189,826	310,117	1,188,713	1,957,202	2,200,096	2,317,416	2,630,431	1,903,569	890,399
Asia, East	23,900,000	1,994	7,099	6,836	63,677	227,731	346,621	1,697,720	3,289,542	3,872,811	4,131,565	4,608,822	3,732,864	1,888,773
Latin America, Tropical	4,009,900	661	2,312	1,979	14,222	48,051	82,650	305,758	518,411	635,689	695,550	741,435	619,325	343,858
Latin America, Central	3,457,751	693	2,347	2,014	16,096	49,966	78,555	297,032	467,703	541,256	569,169	613,149	528,935	290,836
Latin America, Andean	873,303	194	664	582	4,324	13,370	20,855	75,707	114,128	131,578	149,799	165,546	129,107	67,448
Caribbean	759,904	112	386	353	2,837	9,033	13,976	53,309	96,564	107,971	126,070	150,584	125,895	72,816
Global Females	132,653,275	22,257	72,916	59,962	460,151	1,488,837	2,350,693	9,064,710	15,304,907	18,920,435	22,219,830	26,550,895	23,216,799	12,895,466
Total prevalent cases by age and GBD region, 2005 - CKD Stage 3														
Global Total	203,952,860	36,642	120,298	99,451	757,875	2,441,817	3,838,874	14,696,022	24,675,736	30,366,364	35,035,113	40,412,173	33,632,225	17,758,466

Annex Table 9 - Male prevalent cases by age and GBD region, 2010 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	4,605,113	378	1,256	1,033	8,307	28,696	49,639	204,454	396,964	674,605	935,715	942,038	828,959	533,070
Latin America, Southern	715,569	94	319	272	2,083	6,963	11,533	45,952	76,093	104,232	136,494	147,913	119,299	64,324
Europe, Western	8,708,875	468	1,586	1,378	11,086	37,914	68,555	303,576	658,403	1,022,676	1,529,691	2,009,247	1,934,737	1,129,559
Australasia	669,381	55	181	150	1,183	4,016	6,916	28,659	57,850	89,921	131,017	144,581	126,002	78,849
Asia Pacific, High Income	5,075,885	207	719	668	5,878	19,856	34,755	174,656	386,595	598,069	1,001,526	1,227,181	1,061,146	564,631
Europe, Eastern	2,915,035	237	775	605	4,711	19,260	42,841	175,851	294,079	494,950	604,491	593,818	458,625	224,793
Europe, Central	2,003,778	131	439	373	3,036	11,348	22,379	103,207	180,703	275,353	417,096	419,943	381,128	188,643
Asia, Central	627,768	142	458	353	2,854	10,565	17,931	56,639	86,957	122,525	108,886	102,160	81,155	37,143
Sub-Saharan Africa, West	4,841,024	2,821	8,736	6,586	41,395	119,399	175,916	584,677	755,845	787,267	863,598	814,111	490,270	190,401
Sub-Saharan Africa, Southern	636,322	177	604	534	3,970	12,912	21,386	75,121	96,137	106,541	123,875	107,750	62,021	25,296
Sub-Saharan Africa, East	2,551,168	1,379	4,411	3,486	23,001	66,372	97,133	312,154	398,661	405,064	448,290	413,644	268,260	109,315
Sub-Saharan Africa, Central	536,805	359	1,117	833	5,386	15,254	21,625	66,682	86,559	89,920	94,653	85,042	49,961	19,416
North Africa / Middle East	4,135,883	1,038	3,418	2,772	21,315	70,484	121,015	450,312	631,930	691,700	736,735	671,953	512,903	220,307
Asia, South	11,800,000	2,942	9,797	8,088	62,623	200,247	319,090	1,180,248	1,808,750	2,104,411	2,225,151	1,977,383	1,338,202	605,566
Oceania	70,882	30	100	81	540	1,563	2,324	8,519	12,542	13,370	13,505	10,532	5,610	2,165
Asia, Southeast	8,506,034	1,555	5,318	4,637	35,845	119,486	197,378	769,666	1,278,143	1,544,017	1,586,620	1,460,395	1,039,001	463,975
Asia, East	15,500,000	1,440	5,008	4,607	40,226	141,931	255,096	923,931	2,151,233	2,574,643	3,270,028	2,943,013	2,235,264	991,738
Latin America, Tropical	2,394,881	355	1,264	1,188	9,045	28,610	49,371	198,855	314,572	413,623	454,203	425,003	318,869	179,923
Latin America, Central	2,174,126	455	1,568	1,385	10,155	32,221	49,622	183,382	300,553	363,261	401,976	383,593	293,103	152,850
Latin America, Andean	562,122	126	431	373	2,760	8,688	13,632	50,055	77,009	89,474	101,123	102,767	77,352	38,331
Caribbean	483,760	77	264	233	1,800	5,755	9,263	32,724	60,523	77,765	87,128	93,717	74,181	40,329
Global Males	79,514,411	14,466	47,768	39,634	297,197	961,540	1,587,402	5,929,319	10,110,102	12,643,387	15,271,801	15,075,784	11,756,046	5,860,622
Female prevalent cases by age and GBD region, 2010 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	8,765,578	569	1,900	1,576	12,906	44,519	76,678	319,119	638,123	1,124,415	1,626,483	1,765,936	1,765,978	1,387,377
Latin America, Southern	1,452,642	145	490	409	3,244	10,909	18,166	73,840	125,797	180,128	247,874	302,149	295,460	194,030
Europe, Western	17,600,000	828	2,792	2,390	17,563	59,871	109,165	497,028	1,088,295	1,699,949	2,672,814	3,875,688	4,345,261	3,222,594
Australasia	1,221,093	91	299	251	1,860	6,266	10,837	47,020	98,042	151,891	219,972	250,858	245,514	188,191
Asia Pacific, High Income	9,828,882	347	1,196	1,088	9,068	30,402	53,405	274,803	616,508	954,489	1,651,505	2,238,154	2,356,117	1,641,800
Europe, Eastern	7,916,466	400	1,298	991	7,429	30,497	68,635	290,582	511,538	952,816	1,388,884	1,853,169	1,741,237	1,068,990
Europe, Central	4,269,676	190	633	533	4,627	17,483	34,735	161,788	289,142	461,015	766,161	926,222	1,010,233	596,915
Asia, Central	1,314,177	215	696	539	4,484	16,817	28,901	97,326	159,056	225,761	212,591	232,251	214,331	121,210
Sub-Saharan Africa, West	8,571,468	4,614	14,120	10,246	65,487	190,844	283,632	953,219	1,244,974	1,366,384	1,567,756	1,519,481	957,942	392,767
Sub-Saharan Africa, Southern	1,290,984	299	1,009	863	6,535	21,407	35,353	117,035	152,552	201,770	253,438	247,818	171,821	81,083
Sub-Saharan Africa, East	4,613,448	2,336	7,465	5,863	37,756	109,283	160,593	513,165	654,681	710,291	833,844	798,179	544,752	235,241
Sub-Saharan Africa, Central	986,966	594	1,861	1,397	8,883	25,166	35,848	110,469	143,752	155,883	175,894	170,304	110,299	46,617
North Africa / Middle East	6,956,350	1,786	5,800	4,505	33,370	110,641	188,931	686,495	959,117	1,091,231	1,225,266	1,223,617	978,182	447,409
Asia, South	19,600,000	4,370	14,558	12,116	96,162	307,766	493,993	1,827,916	2,796,011	3,238,724	3,607,186	3,536,214	2,508,072	1,133,736
Oceania	123,410	43	143	119	817	2,371	3,541	13,179	19,639	21,501	23,218	20,212	12,910	5,716
Asia, Southeast	15,900,000	2,640	9,027	7,836	57,559	192,218	321,226	1,277,852	2,158,523	2,630,792	2,854,931	2,960,498	2,331,457	1,109,285
Asia, East	26,800,000	2,000	6,855	6,107	56,153	204,575	383,855	1,509,313	3,613,488	4,212,798	5,282,147	4,986,284	4,305,825	2,204,753
Latin America, Tropical	4,494,961	555	1,981	1,874	14,012	44,526	77,636	324,788	536,694	721,817	829,219	839,231	685,563	417,065
Latin America, Central	4,023,354	730	2,501	2,172	16,223	52,439	83,202	314,942	522,696	634,469	709,475	707,478	617,577	359,450
Latin America, Andean	997,777	179	618	559	4,315	13,637	21,560	80,073	125,291	149,681	175,371	188,849	154,293	83,351
Caribbean	849,846	119	405	350	2,789	9,012	14,693	53,223	98,435	127,110	145,714	166,525	145,253	86,220
Global Females	147,577,078	23,050	75,646	61,786	461,245	1,500,650	2,504,584	9,543,172	16,552,353	21,012,915	26,469,742	28,809,115	25,498,077	15,023,801
Total prevalent cases by age and GBD region, 2010 - CKD Stage 3														
Global Total	227,091,489	37,516	123,414	101,421	758,442	2,462,190	4,091,986	15,472,492	26,662,455	33,656,302	41,741,543	43,884,899	37,254,123	20,884,422

Annex Table 10 - Male prevalent cases by age and GBD region, 1990 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	179,129	364	1,326	1,377	1,409	1,995	2,730	9,722	14,007	13,323	24,408	41,366	42,729	24,373
Latin America, Southern	19,223	69	247	254	262	338	402	1,175	1,580	1,735	3,070	4,207	3,851	2,033
Europe, Western	209,379	285	1,066	1,172	1,313	2,062	2,912	9,037	13,389	16,094	31,433	45,764	53,477	31,375
Australasia	10,981	24	86	89	92	141	180	587	891	906	1,627	2,526	2,495	1,337
Asia Pacific, High Income	79,476	135	518	599	712	1,128	1,374	4,059	6,910	8,144	13,815	16,415	16,516	9,151
Europe, Eastern	102,685	236	947	1,047	1,051	1,421	1,775	6,793	9,506	10,854	20,920	18,758	19,375	10,002
Europe, Central	67,369	136	527	583	638	863	1,041	3,478	5,634	5,894	11,875	13,923	14,747	8,030
Asia, Central	22,015	159	554	509	460	600	709	2,095	2,138	2,270	4,011	3,320	3,218	1,971
Sub-Saharan Africa, West	65,656	748	2,417	2,208	2,001	2,361	2,505	6,120	7,164	7,196	9,932	11,347	8,160	3,498
Sub-Saharan Africa, Southern	15,685	141	496	479	454	587	663	1,673	1,903	1,773	2,410	2,538	1,768	800
Sub-Saharan Africa, East	60,083	806	2,581	2,222	1,931	2,300	2,453	5,784	6,542	6,128	8,645	9,881	7,462	3,349
Sub-Saharan Africa, Central	13,768	206	636	520	432	510	552	1,336	1,520	1,458	1,995	2,247	1,640	715
North Africa / Middle East	86,023	728	2,610	2,565	2,341	2,826	3,152	7,992	9,068	8,198	13,219	15,043	12,323	5,957
Asia, South	332,122	2,331	8,143	7,983	7,659	9,659	11,220	29,734	35,080	34,738	52,565	61,596	47,846	23,568
Oceania	1,454	15	51	50	49	62	64	157	181	171	221	220	146	65
Asia, Southeast	154,795	947	3,497	3,770	3,820	4,946	5,723	14,820	16,131	15,571	23,564	27,373	23,309	11,323
Asia, East	435,539	1,702	6,223	6,087	6,268	10,548	13,856	34,451	45,777	42,214	70,688	89,259	74,046	34,419
Latin America, Tropical	50,740	285	1,061	1,130	1,089	1,378	1,664	4,684	5,471	5,116	7,513	9,145	8,045	4,158
Latin America, Central	48,446	352	1,251	1,243	1,227	1,575	1,763	4,377	4,924	4,505	6,738	8,409	7,685	4,396
Latin America, Andean	12,036	87	309	305	300	379	426	1,073	1,229	1,190	1,764	2,135	1,891	947
Caribbean	11,901	58	205	199	190	274	342	882	994	1,035	1,636	2,304	2,383	1,399
Global Males	1,978,507	9,814	34,752	34,390	33,699	45,955	55,506	150,029	190,039	188,514	312,050	387,778	353,113	182,867
Female prevalent cases by age and GBD region, 1990 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	267,582	402	1,442	1,449	1,452	2,085	2,926	10,766	15,773	15,270	30,379	59,251	73,493	52,893
Latin America, Southern	27,562	81	285	276	275	365	442	1,335	1,817	2,033	3,896	6,117	6,631	4,010
Europe, Western	330,851	312	1,157	1,246	1,376	2,187	3,135	9,851	14,678	17,903	38,862	69,541	99,390	71,214
Australasia	15,102	22	82	90	98	151	194	647	973	973	1,812	3,298	4,052	2,709
Asia Pacific, High Income	114,399	135	527	640	775	1,203	1,454	4,397	7,568	9,205	16,849	24,989	28,629	18,027
Europe, Eastern	216,238	244	993	1,141	1,157	1,520	1,870	7,402	10,912	13,728	32,214	45,648	62,171	37,238
Europe, Central	100,173	138	537	597	662	912	1,115	3,752	6,160	6,793	15,186	21,546	26,617	16,158
Asia, Central	35,026	161	571	547	503	641	774	2,371	2,477	2,665	5,362	6,635	7,594	4,724
Sub-Saharan Africa, West	78,705	875	2,780	2,433	2,129	2,556	2,752	6,740	7,947	8,194	11,870	14,301	11,047	5,082
Sub-Saharan Africa, Southern	21,236	157	561	566	539	670	746	1,880	2,166	2,083	2,997	3,819	3,291	1,761
Sub-Saharan Africa, East	73,450	824	2,679	2,383	2,129	2,551	2,756	6,638	7,618	7,233	10,589	12,728	10,341	4,980
Sub-Saharan Africa, Central	17,754	210	661	556	475	567	619	1,508	1,745	1,767	2,618	3,210	2,588	1,229
North Africa / Middle East	96,946	770	2,763	2,730	2,501	3,016	3,342	8,480	9,518	9,003	14,676	17,340	15,084	7,724
Asia, South	342,680	2,594	8,883	8,413	7,834	9,843	11,359	29,791	35,446	35,763	53,394	63,187	50,918	25,254
Oceania	1,699	16	55	52	50	64	69	171	196	179	242	279	218	107
Asia, Southeast	193,835	1,075	3,900	4,038	3,984	5,257	6,179	16,438	18,607	18,521	28,934	35,936	33,412	17,554
Asia, East	512,497	1,844	6,735	6,441	6,464	10,956	14,247	34,809	45,795	42,113	73,538	105,323	104,409	59,823
Latin America, Tropical	62,518	317	1,160	1,175	1,122	1,494	1,849	5,222	6,111	5,887	9,082	11,749	11,153	6,197
Latin America, Central	60,804	388	1,362	1,321	1,295	1,722	1,987	4,998	5,571	5,093	8,330	11,087	10,915	6,734
Latin America, Andean	14,528	101	350	329	312	403	461	1,166	1,343	1,336	2,063	2,668	2,588	1,411
Caribbean	14,332	66	234	222	209	303	382	992	1,116	1,159	1,887	2,780	3,100	1,882
Global Females	2,597,915	10,734	37,717	36,643	35,343	48,466	58,658	159,352	203,537	206,903	364,780	521,431	567,640	346,711
Total prevalent cases by age and GBD region, 1990 - CKD Stage 4														
Global Total	4,576,422	20,548	72,469	71,034	69,042	94,421	114,164	309,381	393,576	395,418	676,830	909,208	920,754	529,578

Annex Table 10 - Male prevalent cases by age and GBD region, 2005 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	239,933	371	1,329	1,382	1,559	2,311	3,036	9,469	17,026	22,549	34,771	47,118	58,717	40,292
Latin America, Southern	25,462	64	238	257	279	383	467	1,393	1,982	2,308	3,720	5,364	5,739	3,268
Europe, Western	275,831	291	1,064	1,153	1,265	1,866	2,493	8,989	16,588	19,441	36,874	64,067	75,233	46,508
Australasia	15,583	25	88	92	99	143	185	598	1,042	1,347	2,280	3,211	3,957	2,516
Asia Pacific, High Income	112,716	106	401	454	500	747	1,082	4,025	6,426	8,611	17,544	27,187	29,142	16,490
Europe, Eastern	117,885	162	568	612	831	1,533	2,019	5,698	9,370	12,984	16,298	28,139	28,063	11,608
Europe, Central	80,199	92	338	377	467	789	1,097	3,511	5,166	7,604	11,716	18,743	20,020	10,278
Asia, Central	28,714	127	440	448	531	781	871	2,176	3,092	3,229	3,312	5,830	5,608	2,270
Sub-Saharan Africa, West	98,838	1,111	3,604	3,176	2,874	3,630	4,084	9,797	10,595	10,046	14,446	16,900	12,821	5,753
Sub-Saharan Africa, Southern	23,697	148	535	539	566	794	959	2,412	2,715	2,765	3,731	4,082	3,045	1,405
Sub-Saharan Africa, East	92,070	1,013	3,399	3,070	2,797	3,507	3,862	9,281	9,927	9,184	12,761	15,264	12,317	5,688
Sub-Saharan Africa, Central	20,141	262	873	778	693	819	865	2,022	2,253	2,072	2,806	3,229	2,396	1,074
North Africa / Middle East	140,321	737	2,621	2,673	2,873	4,158	5,122	13,143	16,199	15,486	18,455	25,381	22,729	10,744
Asia, South	491,025	2,639	9,483	9,690	9,781	13,087	15,404	41,630	54,838	56,885	74,049	92,003	74,008	37,529
Oceania	2,224	19	68	66	61	77	91	249	290	274	341	349	234	105
Asia, Southeast	235,712	943	3,450	3,670	4,036	5,656	6,975	19,824	27,535	27,655	33,415	43,965	38,771	19,817
Asia, East	614,749	1,287	4,906	5,671	6,616	10,089	11,441	39,514	65,409	72,378	95,666	128,982	115,255	57,536
Latin America, Tropical	79,704	276	1,039	1,080	1,106	1,648	2,172	5,897	8,243	8,676	11,488	14,736	14,573	8,769
Latin America, Central	72,796	334	1,213	1,250	1,317	1,751	2,075	5,795	7,589	7,648	10,155	13,187	12,956	7,526
Latin America, Andean	18,430	93	337	343	346	459	542	1,484	1,879	1,867	2,597	3,477	3,214	1,791
Caribbean	15,936	53	195	211	224	304	352	1,006	1,556	1,531	2,214	3,169	3,142	1,978
Global Males	2,801,966	10,153	36,191	36,993	38,820	54,530	65,193	187,913	269,723	294,542	408,640	564,385	541,940	292,943
Female prevalent cases by age and GBD region, 2005 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	339,216	359	1,315	1,430	1,661	2,426	3,154	10,056	18,597	25,578	41,534	62,384	91,747	78,975
Latin America, Southern	36,937	70	257	273	296	413	511	1,545	2,242	2,718	4,583	7,565	9,742	6,724
Europe, Western	397,312	311	1,127	1,192	1,295	1,953	2,675	9,736	18,073	21,829	42,797	83,233	118,482	94,608
Australasia	20,145	22	81	93	107	151	196	667	1,188	1,526	2,546	3,809	5,390	4,369
Asia Pacific, High Income	161,917	109	413	469	516	777	1,135	4,409	7,133	9,611	20,579	35,819	46,075	34,872
Europe, Eastern	236,557	173	600	633	856	1,623	2,188	6,347	10,945	16,767	25,322	55,584	74,600	40,921
Europe, Central	122,761	104	380	419	508	844	1,167	3,759	5,657	8,728	14,846	28,077	36,185	22,088
Asia, Central	42,523	123	438	472	584	852	959	2,497	3,725	4,082	4,375	8,665	10,293	5,459
Sub-Saharan Africa, West	118,078	1,162	3,827	3,488	3,188	3,923	4,382	10,657	11,900	11,669	17,344	21,392	17,041	8,106
Sub-Saharan Africa, Southern	31,838	157	572	593	628	867	1,030	2,504	3,030	3,382	4,797	6,040	5,315	2,923
Sub-Saharan Africa, East	112,791	1,108	3,732	3,396	3,109	3,907	4,320	10,333	11,181	10,984	15,826	19,745	16,855	8,294
Sub-Saharan Africa, Central	25,393	279	933	828	745	901	967	2,274	2,545	2,440	3,564	4,448	3,691	1,779
North Africa / Middle East	156,941	800	2,823	2,833	3,001	4,355	5,353	13,393	16,604	16,218	20,789	29,630	27,566	13,576
Asia, South	529,965	2,503	9,004	9,285	9,754	13,644	16,460	44,108	56,627	57,653	78,213	102,504	85,604	44,607
Oceania	2,653	19	69	68	64	80	96	261	308	302	391	444	364	186
Asia, Southeast	303,049	1,059	3,869	4,093	4,448	6,194	7,682	22,307	31,531	32,138	41,679	59,646	57,087	31,317
Asia, East	716,548	1,177	4,550	5,428	6,568	10,272	11,906	41,592	68,595	77,080	101,568	144,005	153,412	90,396
Latin America, Tropical	101,929	286	1,097	1,192	1,239	1,793	2,345	6,602	9,491	10,125	13,941	19,317	20,965	13,536
Latin America, Central	92,806	342	1,263	1,349	1,452	1,939	2,321	6,667	8,931	9,032	12,040	16,937	18,644	11,890
Latin America, Andean	22,318	89	331	361	381	498	586	1,613	2,067	2,085	3,014	4,320	4,343	2,631
Caribbean	19,394	57	208	220	233	330	396	1,127	1,715	1,694	2,517	3,881	4,188	2,830
Global Females	3,591,071	10,309	36,888	38,116	40,631	57,742	69,826	202,455	292,085	325,640	472,264	717,443	807,588	520,085
Total prevalent cases by age and GBD region, 2005 - CKD Stage 4														
Global Total	6,393,037	20,461	73,079	75,108	79,450	112,272	135,019	390,368	561,808	620,182	880,904	1,281,828	1,349,528	813,028

Annex Table 10 - Male prevalent cases by age and GBD region, 2010 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	262,013	360	1,314	1,382	1,488	2,281	3,061	9,650	15,923	23,887	42,372	54,676	60,546	45,072
Latin America, Southern	27,797	65	238	247	269	390	492	1,493	2,113	2,533	4,201	5,865	6,077	3,812
Europe, Western	302,181	305	1,110	1,157	1,229	1,818	2,509	8,685	16,222	21,252	40,616	68,484	82,747	56,048
Australasia	17,382	25	88	89	98	147	194	610	1,046	1,450	2,683	3,763	4,168	3,019
Asia Pacific, High Income	126,342	97	359	394	472	709	955	3,621	6,746	8,546	18,416	29,818	34,562	21,648
Europe, Eastern	118,193	191	665	617	641	1,153	1,982	6,164	8,705	12,967	19,924	25,690	25,107	14,388
Europe, Central	84,140	95	340	347	396	671	1,032	3,596	5,334	7,152	13,795	18,072	21,156	12,154
Asia, Central	30,379	132	462	437	474	764	991	2,385	3,096	3,833	4,243	5,314	5,402	2,844
Sub-Saharan Africa, West	112,751	1,209	4,023	3,669	3,297	4,031	4,513	11,300	12,332	11,380	15,871	19,330	14,987	6,809
Sub-Saharan Africa, Southern	25,945	137	500	520	553	800	1,025	2,725	2,926	2,852	4,166	4,651	3,455	1,633
Sub-Saharan Africa, East	106,309	1,073	3,684	3,490	3,251	4,013	4,481	10,804	11,574	10,433	14,683	17,473	14,497	6,854
Sub-Saharan Africa, Central	23,386	271	920	852	785	961	1,047	2,438	2,655	2,444	3,218	3,706	2,817	1,272
North Africa / Middle East	163,062	800	2,833	2,789	2,848	4,151	5,513	15,778	18,897	18,599	23,824	27,069	26,719	13,242
Asia, South	548,538	2,568	9,256	9,484	9,803	13,456	16,321	45,697	60,038	63,935	87,579	101,595	84,509	44,296
Oceania	2,579	20	72	73	71	87	98	274	343	318	404	409	283	127
Asia, Southeast	269,214	1,004	3,672	3,830	3,961	5,762	7,301	21,272	29,814	32,773	41,527	48,766	45,681	23,850
Asia, East	697,349	1,270	4,730	5,214	6,132	9,509	13,115	35,957	71,548	78,383	122,739	140,404	137,686	70,662
Latin America, Tropical	89,790	259	982	1,090	1,139	1,575	2,088	6,437	8,657	9,937	13,803	16,876	16,282	10,664
Latin America, Central	84,957	342	1,251	1,292	1,331	1,866	2,216	6,174	8,524	9,038	12,562	15,557	15,406	9,396
Latin America, Andean	21,169	93	334	335	340	474	575	1,603	2,092	2,140	3,047	4,006	3,894	2,237
Caribbean	17,919	54	196	205	217	308	383	1,033	1,613	1,815	2,560	3,579	3,650	2,305
Global Males	3,131,394	10,369	37,029	37,514	38,798	54,927	69,894	197,696	290,199	325,667	492,233	615,104	609,632	352,332
Female prevalent cases by age and GBD region, 2010 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	360,249	387	1,420	1,513	1,624	2,435	3,219	10,192	17,300	26,852	49,965	70,195	90,896	84,252
Latin America, Southern	39,959	73	264	265	283	417	532	1,622	2,334	2,956	5,159	8,095	10,167	7,792
Europe, Western	415,841	293	1,087	1,188	1,299	1,899	2,626	9,280	17,519	23,379	46,292	85,189	121,710	104,080
Australasia	21,716	28	98	96	102	152	202	662	1,173	1,621	2,978	4,327	5,424	4,853
Asia Pacific, High Income	178,355	95	357	410	502	744	1,002	3,888	7,365	9,450	21,406	38,403	52,198	42,532
Europe, Eastern	232,114	190	669	640	680	1,218	2,107	6,787	10,147	16,736	30,413	52,595	63,998	45,936
Europe, Central	129,493	100	362	378	432	717	1,094	3,843	5,837	8,127	17,306	27,271	38,018	26,010
Asia, Central	44,853	132	462	437	488	821	1,094	2,734	3,721	4,863	5,723	8,270	9,773	6,336
Sub-Saharan Africa, West	136,037	1,886	4,390	4,162	3,793	4,196	5,163	13,274	12,792	13,599	18,463	25,202	19,647	9,469
Sub-Saharan Africa, Southern	36,081	144	533	577	621	878	1,107	2,788	3,063	3,546	5,662	7,190	6,439	3,534
Sub-Saharan Africa, East	130,862	1,259	4,279	3,955	3,586	4,416	4,934	11,969	12,926	12,322	18,392	22,786	20,012	10,024
Sub-Saharan Africa, Central	29,225	317	1,072	983	883	1,060	1,148	2,699	2,975	2,808	4,017	5,040	4,183	2,039
North Africa / Middle East	185,384	848	2,991	2,920	2,959	4,303	5,672	16,000	19,211	19,438	26,387	32,956	33,774	17,926
Asia, South	604,872	2,811	9,856	9,473	9,646	14,084	17,772	48,739	61,732	64,756	91,626	115,808	103,907	54,663
Oceania	3,112	22	76	74	71	89	102	288	363	348	474	534	443	228
Asia, Southeast	344,330	953	3,589	3,987	4,292	6,132	7,767	23,487	34,079	37,383	50,047	66,155	68,268	38,194
Asia, East	804,242	1,202	4,440	4,828	5,774	9,188	13,191	37,444	75,114	83,987	130,153	156,096	177,730	105,095
Latin America, Tropical	117,263	249	964	1,127	1,231	1,710	2,287	7,202	10,021	11,827	17,247	22,736	23,806	16,857
Latin America, Central	106,863	353	1,311	1,400	1,463	2,030	2,448	7,032	9,947	10,591	14,874	19,227	21,523	14,665
Latin America, Andean	25,625	87	324	354	378	514	618	1,725	2,279	2,397	3,546	4,938	5,198	3,268
Caribbean	21,907	54	202	219	238	332	414	1,135	1,778	2,045	2,940	4,332	4,855	3,364
Global Females	3,968,381	11,482	38,745	38,985	40,344	57,333	74,499	212,789	311,676	359,030	563,070	777,344	881,970	601,114
Total prevalent cases by age and GBD region, 2010 - CKD Stage 4														
Global Total	7,099,775	21,851	75,775	76,499	79,142	112,260	144,393	410,486	601,875	684,697	1,055,302	1,392,448	1,491,601	953,446

Annex Table 11 - Male prevalent cases by age and GBD region, 1990 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	104,856	128	454	445	323	521	1,239	5,539	11,520	13,843	23,027	25,977	16,119	5,721
Latin America, Southern	12,586	25	90	88	65	93	192	703	1,371	1,897	3,124	2,874	1,558	506
Europe, Western	155,972	131	476	489	370	656	1,620	6,376	13,947	21,778	38,366	37,030	25,485	9,249
Australasia	6,541	8	28	28	20	35	80	328	718	926	1,527	1,592	941	309
Asia Pacific, High Income	46,876	44	165	183	151	266	558	2,103	5,321	7,930	12,432	9,809	5,904	2,010
Europe, Eastern	53,428	67	263	276	196	287	612	2,976	6,143	9,130	15,996	9,791	5,830	1,862
Europe, Central	33,484	38	146	156	119	178	377	1,583	3,651	4,906	9,077	7,250	4,503	1,499
Asia, Central	11,455	44	152	137	89	126	259	965	1,427	1,946	3,159	1,784	997	371
Sub-Saharan Africa, West	27,954	200	624	527	322	397	733	2,248	3,892	4,961	6,457	4,936	2,099	558
Sub-Saharan Africa, Southern	7,273	37	128	121	81	110	212	670	1,117	1,307	1,685	1,184	486	136
Sub-Saharan Africa, East	26,958	189	600	507	320	420	788	2,339	3,863	4,552	6,070	4,650	2,083	577
Sub-Saharan Africa, Central	6,835	54	166	134	81	104	194	589	989	1,199	1,534	1,153	503	136
North Africa / Middle East	50,843	235	828	782	507	671	1,310	4,199	7,008	8,067	12,161	9,274	4,467	1,333
Asia, South	168,013	672	2,296	2,137	1,442	1,982	3,979	13,206	22,783	28,604	40,210	31,571	14,710	4,421
Oceania	745	4	14	13	9	12	23	70	117	140	172	115	45	12
Asia, Southeast	68,669	249	881	859	593	872	1,786	5,835	9,276	11,351	16,147	12,575	6,345	1,901
Asia, East	192,826	448	1,572	1,397	955	1,866	4,309	13,509	25,775	30,549	47,428	39,649	19,650	5,719
Latin America, Tropical	26,185	83	305	311	213	293	613	2,147	3,656	4,350	5,994	4,880	2,532	808
Latin America, Central	25,280	107	373	354	246	347	679	2,099	3,405	3,965	5,612	4,682	2,525	885
Latin America, Andean	6,178	26	89	83	56	80	159	499	827	1,021	1,413	1,137	602	186
Caribbean	6,123	17	60	56	39	62	131	421	697	928	1,367	1,274	790	282
Global Males	1,039,080	2,807	9,711	9,083	6,197	9,378	19,851	68,404	127,504	163,350	252,956	213,188	118,172	38,481
Female prevalent cases by age and GBD region, 1990 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	126,922	114	406	397	288	476	1,165	5,404	11,504	14,171	25,256	32,518	24,426	10,798
Latin America, Southern	14,609	24	85	82	59	85	181	690	1,361	1,928	3,391	3,551	2,316	855
Europe, Western	195,828	116	425	441	340	623	1,566	6,249	13,717	21,705	41,570	49,039	41,753	18,284
Australasia	7,245	7	25	25	19	34	76	319	695	874	1,487	1,813	1,329	541
Asia Pacific, High Income	54,821	39	147	166	137	246	522	2,014	5,089	7,798	13,184	13,048	9,002	3,429
Europe, Eastern	84,787	62	243	256	180	269	588	2,932	6,173	10,099	21,157	20,435	16,369	6,023
Europe, Central	40,983	34	130	141	109	164	348	1,487	3,542	5,055	10,262	9,875	7,174	2,662
Asia, Central	14,796	41	141	128	82	116	251	965	1,448	2,025	3,665	3,066	2,079	788
Sub-Saharan Africa, West	29,234	177	557	475	295	382	725	2,233	3,848	4,981	6,828	5,506	2,513	713
Sub-Saharan Africa, Southern	8,182	34	118	114	77	106	205	653	1,110	1,355	1,822	1,538	791	260
Sub-Saharan Africa, East	28,760	181	574	483	300	400	772	2,354	3,956	4,749	6,505	5,218	2,520	748
Sub-Saharan Africa, Central	7,790	53	163	131	78	101	192	590	1,015	1,299	1,789	1,464	708	207
North Africa / Middle East	49,958	221	777	731	472	630	1,236	3,959	6,510	7,814	11,839	9,375	4,859	1,535
Asia, South	154,513	616	2,083	1,914	1,266	1,783	3,654	12,023	20,625	26,416	36,747	29,015	14,070	4,300
Oceania	743	4	12	11	8	11	21	67	112	130	165	126	59	18
Asia, Southeast	74,408	240	850	834	581	855	1,756	5,762	9,262	11,777	17,431	14,461	8,001	2,599
Asia, East	189,264	380	1,363	1,247	876	1,723	3,903	12,039	23,013	27,024	43,352	41,106	24,594	8,644
Latin America, Tropical	28,698	75	276	283	196	286	614	2,185	3,745	4,550	6,559	5,662	3,188	1,079
Latin America, Central	27,224	93	327	315	222	332	673	2,118	3,403	3,969	6,044	5,377	3,165	1,186
Latin America, Andean	6,385	22	77	74	53	77	152	483	806	1,005	1,439	1,235	719	243
Caribbean	6,307	16	57	54	36	58	129	418	686	909	1,380	1,342	889	332
Global Females	1,151,454	2,550	8,839	8,302	5,673	8,757	18,728	64,944	121,619	159,636	261,872	254,770	170,522	65,243
Total prevalent cases by age and GBD region, 1990 - CKD Stage 5														
Global Total	2,190,535	5,357	18,550	17,384	11,870	18,135	38,579	133,347	249,122	322,985	514,828	467,958	288,695	103,724

Annex Table 11 - Male prevalent cases by age and GBD region, 2005 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	138,761	134	471	468	357	584	1,342	5,270	13,704	23,072	33,851	29,610	21,253	8,645
Latin America, Southern	16,298	23	84	86	67	105	225	836	1,712	2,533	3,825	3,643	2,341	818
Europe, Western	200,830	128	457	470	361	606	1,416	6,469	17,497	27,111	45,948	51,241	35,785	13,343
Australasia	9,113	8	28	30	23	37	83	338	854	1,400	2,204	2,036	1,493	580
Asia Pacific, High Income	64,444	34	127	141	110	187	471	2,226	5,103	8,624	16,295	16,681	10,689	3,756
Europe, Eastern	59,389	47	159	159	146	318	733	2,592	6,183	10,777	12,847	14,603	8,592	2,233
Europe, Central	37,912	26	92	99	84	162	391	1,562	3,312	6,215	8,936	9,257	5,904	1,872
Asia, Central	14,165	34	118	118	99	160	308	976	2,041	2,648	2,576	2,963	1,690	434
Sub-Saharan Africa, West	41,307	254	816	703	456	618	1,195	3,611	5,808	6,951	9,378	7,324	3,283	911
Sub-Saharan Africa, Southern	10,883	37	131	127	94	146	307	963	1,567	2,000	2,568	1,883	825	235
Sub-Saharan Africa, East	40,653	258	853	746	480	648	1,238	3,703	5,760	6,740	8,851	7,031	3,381	965
Sub-Saharan Africa, Central	10,450	81	261	217	135	175	323	946	1,529	1,773	2,274	1,746	775	215
North Africa / Middle East	84,090	245	851	824	609	973	2,070	6,716	12,388	15,186	17,375	15,767	8,560	2,527
Asia, South	239,955	689	2,460	2,479	1,827	2,687	5,438	18,127	34,340	44,571	53,762	44,465	22,101	7,010
Oceania	1,149	6	19	18	11	15	32	109	186	223	262	178	71	20
Asia, Southeast	103,634	234	839	850	659	1,032	2,196	7,732	15,462	19,572	22,264	19,406	10,215	3,174
Asia, East	277,300	325	1,212	1,330	1,059	1,801	3,578	15,770	37,356	51,863	64,317	57,860	31,254	9,576
Latin America, Tropical	40,490	79	296	303	220	355	791	2,693	5,530	7,266	9,059	7,694	4,535	1,668
Latin America, Central	39,918	107	382	374	271	395	820	2,897	5,530	6,984	8,729	7,494	4,381	1,555
Latin America, Andean	9,529	26	93	92	67	99	203	695	1,277	1,597	2,112	1,884	1,032	351
Caribbean	8,236	16	57	59	45	67	134	481	1,081	1,334	1,812	1,733	1,024	392
Global Males	1,448,506	2,789	9,808	9,692	7,176	11,170	23,294	84,714	178,218	248,439	329,244	304,498	179,183	60,280
Female prevalent cases by age and GBD region, 2005 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	158,392	119	420	422	329	552	1,266	5,114	13,668	23,610	35,334	33,932	28,934	14,692
Latin America, Southern	19,461	23	82	84	64	100	217	824	1,741	2,669	4,154	4,517	3,505	1,480
Europe, Western	231,495	111	401	417	327	567	1,353	6,239	16,872	26,674	46,520	58,010	49,930	24,073
Australasia	9,779	7	26	27	21	35	79	339	862	1,400	2,174	2,124	1,798	886
Asia Pacific, High Income	73,800	32	121	135	104	174	438	2,137	4,960	8,490	16,520	18,973	14,878	6,837
Europe, Eastern	89,736	42	142	142	131	292	682	2,498	6,322	12,088	16,914	24,371	19,443	6,670
Europe, Central	47,411	24	87	94	79	153	375	1,512	3,246	6,359	10,032	12,320	9,575	3,553
Asia, Central	17,391	31	107	108	93	151	295	977	2,162	2,914	3,004	3,932	2,719	898
Sub-Saharan Africa, West	42,890	252	805	681	427	579	1,151	3,492	5,683	7,078	9,726	8,021	3,864	1,132
Sub-Saharan Africa, Southern	12,803	35	124	120	88	139	293	900	1,599	2,249	2,996	2,511	1,308	441
Sub-Saharan Africa, East	43,859	254	841	734	468	627	1,203	3,619	5,782	7,197	9,754	8,054	4,087	1,239
Sub-Saharan Africa, Central	11,344	75	244	202	123	164	312	926	1,512	1,832	2,515	2,095	1,033	310
North Africa / Middle East	83,315	239	826	790	569	907	1,948	6,147	11,348	14,149	17,443	16,577	9,466	2,906
Asia, South	232,928	616	2,179	2,158	1,554	2,394	5,033	16,907	31,290	40,797	52,903	46,323	23,331	7,442
Oceania	1,179	5	17	16	10	14	30	102	175	217	266	200	97	30
Asia, Southeast	112,615	222	792	794	603	962	2,111	7,631	15,251	19,430	24,107	23,090	13,215	4,407
Asia, East	274,382	263	987	1,095	896	1,625	3,351	14,928	34,393	46,930	61,371	58,992	36,470	13,081
Latin America, Tropical	45,676	76	283	292	214	348	782	2,759	5,762	7,741	10,043	9,165	5,881	2,331
Latin America, Central	43,305	97	346	343	252	386	821	2,966	5,690	7,230	9,124	8,400	5,502	2,148
Latin America, Andean	9,950	23	82	83	61	93	195	677	1,252	1,594	2,156	2,045	1,234	455
Caribbean	8,640	15	54	54	40	63	133	486	1,070	1,324	1,831	1,869	1,205	495
Global Females	1,570,350	2,560	8,966	8,792	6,454	10,324	22,069	81,181	170,642	241,973	338,888	345,522	237,474	95,505
Total prevalent cases by age and GBD region, 2005 - CKD Stage 5														
Global Total	3,018,856	5,349	18,775	18,484	13,631	21,494	45,362	165,895	348,860	490,411	668,131	650,020	416,657	155,786

Annex Table 11 - Male prevalent cases by age and GBD region, 2010 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	152,873	132	470	465	339	586	1,367	5,410	12,928	24,521	40,391	34,320	22,138	9,806
Latin America, Southern	17,981	25	88	86	65	106	234	893	1,844	2,815	4,332	4,022	2,512	958
Europe, Western	214,690	128	459	463	351	586	1,394	6,161	17,202	29,434	49,771	53,953	38,949	15,838
Australasia	10,117	9	32	30	22	37	87	343	855	1,496	2,550	2,388	1,576	691
Asia Pacific, High Income	70,190	33	121	128	108	182	420	2,000	5,358	8,623	17,072	18,465	12,752	4,926
Europe, Eastern	59,233	51	177	161	118	242	703	2,737	5,691	10,798	15,515	12,774	7,622	2,643
Europe, Central	39,924	28	99	98	77	141	367	1,609	3,481	5,944	10,519	9,019	6,312	2,230
Asia, Central	15,420	38	131	118	90	162	358	1,076	2,043	3,191	3,378	2,657	1,647	532
Sub-Saharan Africa, West	47,245	281	914	791	500	678	1,342	4,237	6,767	7,906	10,421	8,476	3,853	1,079
Sub-Saharan Africa, Southern	11,848	36	126	124	89	143	321	1,075	1,681	2,063	2,852	2,131	935	272
Sub-Saharan Africa, East	47,331	284	949	844	547	739	1,440	4,386	6,895	7,773	10,195	8,092	4,018	1,172
Sub-Saharan Africa, Central	12,167	89	290	248	154	201	381	1,119	1,799	2,082	2,618	2,021	910	254
North Africa / Middle East	98,248	255	890	848	609	975	2,212	7,996	14,364	18,019	22,154	16,709	10,096	3,121
Asia, South	273,304	713	2,518	2,457	1,753	2,694	5,816	20,249	38,232	50,967	64,529	49,486	25,576	8,317
Oceania	1,321	6	20	19	13	17	34	119	217	255	307	207	84	23
Asia, Southeast	120,408	261	934	924	646	1,015	2,256	8,321	17,078	23,410	27,968	21,636	12,099	3,861
Asia, East	315,264	306	1,125	1,201	1,007	1,780	4,199	14,376	41,005	55,425	83,183	63,360	36,665	11,633
Latin America, Tropical	46,103	71	268	291	215	330	766	2,954	5,800	8,421	10,999	8,869	5,097	2,022
Latin America, Central	46,611	104	376	374	268	416	862	3,053	6,203	8,256	10,767	8,817	5,187	1,929
Latin America, Andean	10,907	25	91	90	66	102	215	752	1,421	1,840	2,472	2,149	1,246	438
Caribbean	9,273	15	54	56	44	69	145	489	1,119	1,583	2,116	1,947	1,182	454
Global Males	1,620,458	2,890	10,132	9,817	7,081	11,199	24,919	89,354	191,983	274,821	394,110	331,497	200,457	72,198
Female prevalent cases by age and GBD region, 2010 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	169,351	117	418	422	318	558	1,286	5,143	12,656	24,735	41,670	38,118	28,486	15,425
Latin America, Southern	21,304	23	80	79	59	101	228	886	1,851	2,937	4,728	4,912	3,703	1,717
Europe, Western	243,535	117	418	420	314	543	1,337	6,017	16,543	28,807	50,858	60,012	51,413	26,738
Australasia	10,633	8	29	28	21	35	81	333	853	1,489	2,513	2,436	1,828	978
Asia Pacific, High Income	79,028	30	108	113	91	157	379	1,880	5,104	8,310	17,082	20,453	16,923	8,399
Europe, Eastern	89,220	47	163	147	107	224	670	2,702	5,866	12,232	20,264	22,391	16,957	7,450
Europe, Central	49,242	25	87	87	68	129	340	1,507	3,350	6,003	11,565	11,883	10,041	4,158
Asia, Central	18,841	37	125	110	82	150	342	1,078	2,149	3,492	4,003	3,652	2,594	1,027
Sub-Saharan Africa, West	48,856	267	867	747	467	644	1,302	4,119	6,535	7,944	10,905	9,231	4,498	1,330
Sub-Saharan Africa, Southern	14,105	33	119	119	88	143	315	989	1,573	2,319	3,438	2,894	1,554	519
Sub-Saharan Africa, East	50,495	265	890	796	518	715	1,414	4,301	6,680	8,005	11,213	9,297	4,898	1,504
Sub-Saharan Africa, Central	13,021	82	270	232	145	193	372	1,100	1,768	2,114	2,836	2,374	1,181	357
North Africa / Middle East	98,212	246	858	810	573	913	2,070	7,291	12,989	16,944	22,077	18,253	11,412	3,776
Asia, South	269,152	634	2,243	2,207	1,613	2,511	5,413	18,839	35,128	47,097	63,033	52,607	28,511	9,316
Oceania	1,369	5	17	16	11	15	32	112	204	249	319	237	116	37
Asia, Southeast	130,882	231	829	825	583	953	2,169	8,178	16,763	23,217	29,794	25,905	15,965	5,471
Asia, East	309,816	244	887	926	776	1,460	3,680	13,219	37,906	50,765	78,087	63,968	42,532	15,366
Latin America, Tropical	51,737	64	242	264	197	312	740	2,950	5,996	8,912	12,097	10,505	6,636	2,822
Latin America, Central	50,736	99	358	358	260	408	863	3,117	6,376	8,596	11,447	9,720	6,465	2,670
Latin America, Andean	11,426	23	82	82	59	93	203	723	1,395	1,844	2,540	2,334	1,482	566
Caribbean	9,802	14	53	54	41	65	140	484	1,115	1,597	2,155	2,090	1,402	591
Global Females	1,740,762	2,611	9,142	8,841	6,391	10,321	23,375	84,968	182,800	267,608	402,623	373,273	258,595	110,215
Total prevalent cases by age and GBD region, 2010 - CKD Stage 5														
Global Total	3,361,220	5,500	19,274	18,658	13,472	21,521	48,295	174,322	374,783	542,430	796,732	704,770	459,052	182,413

Annex Table 12 - Male prevalent cases by age and GBD region, 1990 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	166,157	24	193	448	835	2,151	4,587	17,928	25,071	27,856	35,050	33,631	14,573	3,809
Latin America, Southern	24,652	5	38	125	282	568	948	2,740	3,239	3,920	5,520	4,816	1,978	473
Europe, Western	78,800	0	118	275	543	1,426	2,970	9,516	12,377	14,361	16,647	12,909	5,991	1,666
Australasia	4,605	1	4	11	24	62	128	469	748	1,048	1,090	734	230	57
Asia Pacific, High Income	126,984	18	162	472	1,076	2,700	4,775	14,252	20,912	25,504	27,856	18,481	8,468	2,309
Europe, Eastern	39,817	6	47	133	272	609	1,126	4,381	5,651	7,586	11,041	6,009	2,421	535
Europe, Central	23,297	4	38	106	224	482	852	2,782	3,852	4,307	5,381	3,419	1,469	382
Asia, Central	5,212	1	18	45	88	183	314	936	828	934	1,095	511	202	57
Sub-Saharan Africa, West	554	0	7	7	11	24	42	99	86	99	93	59	21	5
Sub-Saharan Africa, Southern	436	0	4	4	6	15	27	70	66	74	85	61	19	4
Sub-Saharan Africa, East	597	0	9	8	11	26	47	106	87	99	103	69	26	6
Sub-Saharan Africa, Central	171	0	3	2	3	7	13	30	25	30	30	20	7	1
North Africa / Middle East	45,780	38	237	598	1,090	2,108	3,425	8,628	8,201	7,360	7,483	4,614	1,618	381
Asia, South	96,378	57	313	710	1,386	2,994	5,281	14,297	15,058	17,384	19,774	13,640	4,516	965
Oceania	666	0	3	7	14	30	47	120	121	123	113	65	18	4
Asia, Southeast	139,348	34	283	802	1,721	4,224	7,854	22,402	23,167	26,118	27,657	17,617	6,137	1,332
Asia, East	833,815	205	1,232	2,191	3,436	9,079	19,180	78,222	137,645	167,516	202,508	143,589	55,722	13,291
Latin America, Tropical	18,151	0	61	187	361	706	1,196	3,208	3,197	3,195	3,120	2,016	733	171
Latin America, Central	31,505	0	111	313	626	1,317	2,157	5,266	5,125	5,183	5,556	3,962	1,508	382
Latin America, Andean	4,673	2	16	40	79	168	286	736	753	822	895	607	219	48
Caribbean	4,848	0	12	32	63	151	279	722	712	836	932	722	310	78
Global Males	1,646,445	395	2,907	6,516	12,151	29,031	55,533	186,913	266,921	314,356	372,030	267,551	106,187	25,953
Female prevalent cases by age and GBD region, 1990 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	137,385	18	127	263	469	1,287	2,901	11,995	17,445	20,050	28,127	31,915	17,172	5,617
Latin America, Southern	18,894	5	37	90	171	369	654	1,939	2,391	3,189	4,229	3,697	1,690	432
Europe, Western	85,674	21	81	173	341	965	2,196	7,633	10,938	14,856	18,520	16,934	9,819	3,197
Australasia	3,978	1	4	8	17	54	117	409	579	759	909	764	278	79
Asia Pacific, High Income	92,949	12	96	284	645	1,642	2,935	8,849	13,085	16,794	19,974	16,823	9,009	2,799
Europe, Eastern	39,759	5	32	84	173	391	721	2,828	3,802	5,738	10,351	9,134	5,150	1,351
Europe, Central	20,635	4	25	67	146	328	595	1,995	2,889	3,597	4,926	3,701	1,844	517
Asia, Central	4,724	2	14	33	64	134	239	725	647	760	994	683	332	95
Sub-Saharan Africa, West	428	0	6	6	8	17	32	75	64	74	74	50	19	4
Sub-Saharan Africa, Southern	351	0	3	3	4	11	21	53	46	55	68	58	23	5
Sub-Saharan Africa, East	589	0	9	8	10	23	43	101	84	96	104	73	30	7
Sub-Saharan Africa, Central	119	0	2	2	2	5	8	19	16	20	22	16	6	2
North Africa / Middle East	43,358	33	205	502	921	1,884	3,156	7,949	7,357	7,075	7,372	4,720	1,761	424
Asia, South	65,065	0	196	492	966	2,055	3,530	9,139	9,630	11,510	13,589	9,801	3,412	744
Oceania	530	0	2	5	10	22	35	91	94	97	91	59	20	4
Asia, Southeast	104,201	28	210	543	1,132	2,874	5,477	15,794	16,443	18,589	21,034	14,853	5,838	1,387
Asia, East	609,256	146	894	1,560	2,423	5,816	11,526	48,904	91,528	113,125	143,620	118,595	55,621	15,501
Latin America, Tropical	13,071	0	37	107	215	455	792	2,124	2,152	2,238	2,385	1,702	692	172
Latin America, Central	23,899	15	82	206	407	908	1,530	3,661	3,508	3,694	4,487	3,513	1,482	405
Latin America, Andean	3,706	2	11	28	58	123	209	544	566	646	722	528	217	51
Caribbean	3,750	0	8	23	47	109	202	536	535	621	722	596	278	72
Global Females	1,272,320	291	2,083	4,488	8,228	19,472	36,919	125,363	183,802	223,583	282,319	238,212	114,694	32,865
Total prevalent cases by age and GBD region, 1990 - Dialysis														
Global Total	2,918,765	686	4,990	11,004	20,379	48,503	92,452	312,276	450,723	537,940	654,349	505,763	220,881	58,818

Annex Table 12 - Male prevalent cases by age and GBD region, 2005 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	259,879	30	263	503	762	1,970	4,218	16,298	31,585	49,731	60,988	52,296	31,328	9,906
Latin America, Southern	28,378	6	57	126	221	453	800	2,675	3,819	5,042	5,921	5,429	2,989	838
Europe, Western	248,246	75	271	593	1,161	2,645	5,459	18,462	27,393	39,304	53,324	55,715	32,851	10,994
Australasia	11,745	1	7	20	45	93	168	672	1,379	2,252	2,905	2,459	1,398	348
Asia Pacific, High Income	178,033	6	43	94	162	435	1,080	6,330	14,451	30,312	48,957	46,248	23,830	6,084
Europe, Eastern	22,563	4	22	48	144	515	1,062	2,989	4,250	6,289	3,796	2,379	889	177
Europe, Central	43,055	4	33	101	252	619	1,171	3,705	4,879	8,162	9,379	8,981	4,608	1,161
Asia, Central	6,514	2	14	37	92	220	362	924	1,157	1,310	971	957	394	75
Sub-Saharan Africa, West	568	0	7	7	11	27	50	113	88	92	88	57	22	5
Sub-Saharan Africa, Southern	505	0	3	4	6	16	32	79	70	89	101	74	26	5
Sub-Saharan Africa, East	873	0	12	12	16	39	71	166	130	139	140	98	40	9
Sub-Saharan Africa, Central	232	0	4	4	5	11	20	44	36	39	36	23	8	2
North Africa / Middle East	122,110	38	244	616	1,311	3,285	6,212	17,726	21,150	22,990	21,581	17,957	7,396	1,606
Asia, South	68,393	0	179	420	823	1,929	3,519	10,173	12,372	14,065	12,560	8,601	3,052	700
Oceania	959	1	4	10	18	37	65	179	182	186	157	89	25	5
Asia, Southeast	252,177	19	200	729	1,946	5,311	10,482	33,194	45,561	55,567	47,922	34,840	13,366	3,038
Asia, East	1,088,204	129	775	1,751	3,257	7,759	14,212	80,297	162,768	213,503	257,011	228,054	96,153	22,536
Latin America, Tropical	30,876	8	64	178	367	880	1,645	4,296	5,216	6,005	5,801	4,187	1,757	471
Latin America, Central	52,251	21	142	362	717	1,557	2,723	7,507	8,701	9,779	9,792	7,239	2,964	746
Latin America, Andean	7,418	3	17	46	97	223	399	1,107	1,234	1,364	1,394	1,044	396	96
Caribbean	5,355	1	11	31	67	152	258	716	939	982	993	786	329	91
Global Males	2,428,333	347	2,373	5,691	11,479	28,175	54,007	207,654	347,359	467,201	543,820	477,512	223,822	58,893
Female prevalent cases by age and GBD region, 2005 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	236,512	30	211	346	538	1,473	3,216	12,765	25,124	39,529	51,969	50,780	36,462	14,069
Latin America, Southern	24,746	3	27	71	151	347	642	2,147	3,049	4,170	4,940	4,949	3,209	1,040
Europe, Western	239,934	44	169	421	960	2,299	4,596	14,978	22,119	33,663	47,152	55,601	41,083	16,850
Australasia	8,267	1	5	16	35	69	122	500	980	1,463	1,927	1,787	1,049	314
Asia Pacific, High Income	150,092	5	30	69	131	335	800	4,628	10,464	22,550	38,016	40,253	24,788	8,024
Europe, Eastern	24,303	6	17	43	130	385	737	2,163	3,386	5,648	4,545	4,251	2,360	632
Europe, Central	41,830	4	27	77	187	446	838	2,727	3,809	6,828	8,682	10,061	6,318	1,826
Asia, Central	5,806	2	11	26	65	158	267	718	954	1,157	886	962	484	117
Sub-Saharan Africa, West	551	0	7	7	10	25	47	107	81	92	89	57	23	6
Sub-Saharan Africa, Southern	455	0	3	3	4	13	26	60	54	79	94	78	33	8
Sub-Saharan Africa, East	787	4	16	13	14	32	60	137	106	125	133	97	41	10
Sub-Saharan Africa, Central	171	1	5	3	3	8	13	30	24	27	27	19	8	2
North Africa / Middle East	90,417	28	196	449	923	2,322	4,396	11,986	14,198	16,257	16,723	14,925	6,550	1,465
Asia, South	50,161	2	130	285	556	1,355	2,526	7,198	8,514	9,665	9,446	7,173	2,686	623
Oceania	743	0	3	7	13	26	46	130	134	143	127	80	27	6
Asia, Southeast	179,887	12	159	491	1,222	3,150	6,217	21,101	30,395	36,600	35,502	29,769	12,384	2,884
Asia, East	818,340	87	496	1,121	2,135	4,986	9,090	53,551	112,389	146,598	184,163	186,099	93,261	24,364
Latin America, Tropical	27,319	7	41	112	232	589	1,155	3,236	4,238	5,259	5,442	4,372	2,048	588
Latin America, Central	40,224	16	82	219	457	1,061	1,932	5,380	6,365	7,345	7,491	6,132	2,924	821
Latin America, Andean	6,101	2	13	34	72	166	300	835	951	1,113	1,168	940	402	106
Caribbean	4,620	0	8	25	53	116	199	582	800	843	856	723	322	93
Global Females	1,951,265	255	1,657	3,835	7,892	19,359	37,226	144,958	248,133	339,154	419,377	419,108	236,464	73,847
Total prevalent cases by age and GBD region, 2005 - Dialysis														
Global Total	4,379,598	602	4,031	9,527	19,371	47,535	91,233	352,612	595,492	806,355	963,197	896,620	460,287	132,740

Annex Table 12 - Male prevalent cases by age and GBD region, 2010 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	282,085	31	272	520	740	1,976	4,307	16,791	29,805	52,517	72,318	59,747	32,074	10,985
Latin America, Southern	29,798	7	58	123	214	457	828	2,790	3,901	5,304	6,429	5,717	3,043	927
Europe, Western	278,420	87	309	640	1,192	2,707	5,750	18,815	28,386	45,499	61,618	61,880	37,711	13,826
Australasia	13,252	1	7	20	46	99	183	706	1,420	2,480	3,425	2,925	1,519	422
Asia Pacific, High Income	187,161	6	39	81	153	424	988	5,721	14,854	29,311	50,059	50,139	27,674	7,712
Europe, Eastern	23,405	4	24	47	110	392	1,049	3,264	3,996	6,367	4,794	2,214	903	241
Europe, Central	45,804	4	32	92	218	547	1,150	3,946	5,230	7,904	11,304	8,977	5,021	1,378
Asia, Central	7,881	3	16	38	86	234	454	1,114	1,278	1,785	1,438	924	414	97
Sub-Saharan Africa, West	674	0	8	9	13	31	56	134	107	111	104	69	27	6
Sub-Saharan Africa, Southern	661	1	4	5	7	19	42	110	93	110	131	97	34	7
Sub-Saharan Africa, East	1,074	3	17	16	20	46	85	201	163	171	172	119	50	12
Sub-Saharan Africa, Central	225	0	3	3	5	11	19	43	35	38	34	21	8	2
North Africa / Middle East	152,580	52	295	714	1,434	3,571	7,221	22,549	25,807	29,110	29,792	20,538	9,362	2,134
Asia, South	78,567	34	192	421	849	2,040	3,816	11,399	13,732	15,902	15,493	10,048	3,758	884
Oceania	1,120	1	4	11	21	42	72	200	216	220	191	105	30	6
Asia, Southeast	254,570	19	180	649	1,636	4,611	9,411	31,511	44,407	57,289	53,147	34,461	14,038	3,211
Asia, East	1,262,006	128	770	1,659	3,136	7,523	16,609	73,029	182,602	237,154	338,013	255,984	117,463	27,937
Latin America, Tropical	33,427	7	54	158	337	783	1,513	4,471	5,204	6,652	6,953	4,792	1,941	562
Latin America, Central	58,500	22	133	346	693	1,623	2,836	7,782	9,574	11,370	11,632	8,145	3,419	926
Latin America, Andean	8,676	3	19	52	106	234	418	1,209	1,431	1,631	1,701	1,246	501	124
Caribbean	6,491	1	12	35	74	166	298	796	1,069	1,284	1,270	961	410	115
Global Males	2,726,377	412	2,451	5,637	11,090	27,536	57,105	206,583	373,310	512,209	670,018	529,111	259,402	71,513
Female prevalent cases by age and GBD region, 2010 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	229,150	26	194	316	464	1,290	2,849	11,274	20,505	37,092	56,056	52,608	33,057	13,419
Latin America, Southern	26,017	4	27	67	143	352	675	2,278	3,190	4,390	5,349	5,131	3,245	1,165
Europe, Western	230,949	41	145	372	869	2,046	4,138	13,266	20,056	33,424	47,174	53,036	39,262	17,120
Australasia	9,817	1	7	18	37	75	135	535	1,056	1,688	2,453	2,273	1,158	383
Asia Pacific, High Income	171,518	5	31	68	140	362	806	4,559	11,867	24,173	42,150	46,081	30,433	10,845
Europe, Eastern	20,740	8	17	40	102	282	687	2,235	3,044	5,555	4,639	2,545	1,208	377
Europe, Central	43,696	4	27	71	165	390	797	2,827	4,008	6,483	10,163	9,842	6,728	2,192
Asia, Central	6,228	2	11	24	54	152	301	769	928	1,344	1,172	885	458	128
Sub-Saharan Africa, West	571	0	7	7	10	25	47	111	85	94	92	62	26	6
Sub-Saharan Africa, Southern	476	0	3	3	4	12	25	63	53	75	102	89	38	9
Sub-Saharan Africa, East	785	6	19	15	15	32	59	136	104	119	130	95	43	11
Sub-Saharan Africa, Central	192	0	4	3	4	9	16	35	28	31	30	21	9	2
North Africa / Middle East	114,241	33	219	510	1,024	2,501	5,000	15,455	17,866	20,993	22,705	17,510	8,406	2,018
Asia, South	51,327	8	120	260	524	1,301	2,478	7,195	8,518	9,996	10,155	7,218	2,872	681
Oceania	764	0	3	6	13	27	46	129	140	147	135	83	29	7
Asia, Southeast	222,697	13	176	542	1,278	3,508	7,134	24,817	36,378	47,688	46,913	34,913	15,562	3,776
Asia, East	961,922	79	521	1,065	2,024	4,966	11,309	50,996	130,739	169,076	245,566	204,949	110,327	30,307
Latin America, Tropical	28,165	5	37	106	228	530	1,038	3,146	3,926	5,501	6,141	4,709	2,142	657
Latin America, Central	44,333	18	81	210	420	1,026	1,923	5,392	6,754	8,368	9,022	6,823	3,306	991
Latin America, Andean	6,612	2	13	34	74	171	305	862	1,021	1,212	1,309	1,028	459	123
Caribbean	5,040	1	8	22	48	114	212	582	785	986	993	797	377	114
Global Females	2,175,238	257	1,670	3,760	7,641	19,170	39,978	146,661	271,051	378,431	512,447	450,697	259,143	84,331
Total prevalent cases by age and GBD region, 2010 - Dialysis														
Global Total	4,901,614	669	4,121	9,397	18,731	46,706	97,083	353,244	644,361	890,640	1,182,465	979,808	518,545	155,843

Annex Table 13 - Male prevalent cases by age and GBD region, 1990 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	48,986	0	92	357	670	1,130	2,187	8,893	13,022	12,058	7,667	2,614	269	27
Latin America, Southern	1,496	0	3	15	33	55	93	314	370	318	214	72	8	1
Europe, Western	65,141	0	46	258	644	1,344	2,818	10,531	15,217	16,407	12,625	4,630	567	54
Australasia	2,590	0	2	11	25	51	104	480	722	613	413	152	17	1
Asia Pacific, High Income	9,235	0	8	47	124	254	434	1,480	2,317	2,289	1,658	548	70	6
Europe, Eastern	3,807	0	5	30	70	125	220	802	891	801	688	158	16	2
Europe, Central	6,840	0	8	48	118	206	352	1,262	1,687	1,411	1,273	421	48	5
Asia, Central	137	0	0	2	5	7	12	33	28	25	19	5	1	0
Sub-Saharan Africa, West	11	0	0	0	1	1	1	3	2	2	1	0	0	0
Sub-Saharan Africa, Southern	62	0	0	1	2	4	6	14	14	12	7	2	0	0
Sub-Saharan Africa, East	9	0	0	0	0	1	1	2	2	2	1	0	0	0
Sub-Saharan Africa, Central	6	0	0	0	0	0	1	1	1	1	1	0	0	0
North Africa / Middle East	10,582	0	32	147	282	423	683	2,089	2,469	2,264	1,645	498	46	3
Asia, South	1,198	0	4	22	45	69	109	301	273	198	132	41	4	0
Oceania	16	0	0	0	1	1	1	4	3	3	2	0	0	0
Asia, Southeast	7,451	0	16	87	193	341	650	1,985	1,817	1,364	756	216	25	3
Asia, East	17,671	0	31	159	367	810	1,486	4,020	4,471	3,220	2,309	723	69	7
Latin America, Tropical	3,150	0	8	46	100	162	270	753	724	575	376	123	12	1
Latin America, Central	4,412	0	14	80	182	301	455	1,066	965	733	456	143	15	2
Latin America, Andean	544	0	2	8	18	29	46	124	125	103	66	21	2	0
Caribbean	192	0	1	3	6	11	18	48	42	33	22	8	1	0
Global Males	183,536	0	271	1,324	2,886	5,323	9,946	34,204	45,163	42,430	30,332	10,374	1,169	114
Female prevalent cases by age and GBD region, 1990 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	38,588	0	64	244	458	770	1,506	6,978	10,630	9,118	6,047	2,416	321	38
Latin America, Southern	1,078	0	2	11	26	44	68	221	259	213	160	64	9	1
Europe, Western	55,885	0	32	183	463	980	2,087	8,724	13,573	13,879	10,507	4,604	774	79
Australasia	1,735	0	2	8	19	38	71	301	449	395	300	133	17	1
Asia Pacific, High Income	6,462	0	5	27	70	142	248	960	1,656	1,661	1,162	454	69	6
Europe, Eastern	3,990	0	3	20	46	83	155	771	1,069	916	667	223	33	5
Europe, Central	5,969	0	5	32	80	142	246	1,030	1,569	1,275	1,092	428	62	7
Asia, Central	120	0	0	2	3	5	9	30	26	21	18	6	1	0
Sub-Saharan Africa, West	7	0	0	0	0	0	1	2	2	1	1	0	0	0
Sub-Saharan Africa, Southern	44	0	0	1	1	2	4	10	10	9	5	2	0	0
Sub-Saharan Africa, East	6	0	0	0	0	0	1	1	1	1	1	0	0	0
Sub-Saharan Africa, Central	4	0	0	0	0	0	0	1	1	1	1	0	0	0
North Africa / Middle East	7,525	0	22	99	189	285	470	1,496	1,749	1,610	1,179	383	41	3
Asia, South	747	0	3	14	28	42	65	174	170	136	86	27	3	0
Oceania	10	0	0	0	0	1	1	2	2	2	1	0	0	0
Asia, Southeast	5,148	0	10	55	119	212	419	1,420	1,307	892	527	165	21	2
Asia, East	11,310	0	19	96	220	485	888	2,504	2,902	2,072	1,510	543	64	8
Latin America, Tropical	2,474	0	5	28	62	104	181	617	646	450	276	93	10	1
Latin America, Central	3,618	0	9	49	113	193	311	917	914	614	363	120	14	2
Latin America, Andean	390	0	1	5	11	19	30	88	93	75	49	16	2	0
Caribbean	137	0	0	2	4	7	12	34	31	24	16	6	1	0
Global Females	145,249	0	182	876	1,914	3,555	6,772	26,283	37,058	33,364	23,965	9,684	1,442	154
Total prevalent cases by age and GBD region, 1990 - Transplantation														
Global Total	328,785	0	453	2,200	4,800	8,878	16,718	60,486	82,222	75,794	54,298	20,058	2,611	268

Annex Table 13 - Male prevalent cases by age and GBD region, 2005 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	110,660	0	162	632	1,261	2,037	3,381	11,532	21,226	29,286	26,452	12,399	2,159	132
Latin America, Southern	4,923	0	4	24	60	114	233	903	1,223	1,205	840	284	29	3
Europe, Western	108,800	0	76	452	1,158	2,292	4,179	16,697	26,120	24,816	21,647	9,888	1,354	123
Australasia	5,689	0	10	33	53	74	133	589	1,150	1,554	1,356	611	121	7
Asia Pacific, High Income	16,810	0	7	37	89	172	377	1,859	3,485	4,787	4,198	1,583	199	17
Europe, Eastern	5,118	0	3	22	70	179	333	789	1,155	1,451	780	307	28	3
Europe, Central	15,624	0	10	60	169	367	729	2,683	3,507	4,139	2,758	1,056	135	12
Asia, Central	266	0	1	4	10	17	24	55	61	56	26	12	2	0
Sub-Saharan Africa, West	22	0	0	1	1	2	2	5	4	4	2	1	0	0
Sub-Saharan Africa, Southern	134	0	0	2	4	8	13	29	29	28	17	5	0	0
Sub-Saharan Africa, East	20	0	0	1	1	2	2	5	4	3	2	1	0	0
Sub-Saharan Africa, Central	14	0	0	0	1	1	2	3	3	2	1	0	0	0
North Africa / Middle East	28,179	0	47	253	588	1,068	1,896	5,663	7,164	6,769	3,440	1,153	129	9
Asia, South	2,717	0	8	44	98	160	247	646	632	494	286	92	10	1
Oceania	38	0	0	1	1	2	3	9	9	7	4	1	0	0
Asia, Southeast	15,140	0	19	116	293	537	942	2,858	3,713	3,745	2,151	693	66	6
Asia, East	39,569	0	36	226	596	1,180	1,907	7,526	11,254	9,681	5,236	1,728	180	18
Latin America, Tropical	8,718	0	13	74	174	331	609	1,713	2,162	2,057	1,174	367	39	4
Latin America, Central	12,211	0	23	141	345	596	965	2,683	3,043	2,564	1,375	425	46	6
Latin America, Andean	1,177	0	3	14	33	56	90	265	288	236	139	48	6	1
Caribbean	450	0	1	5	11	20	32	96	119	90	54	20	2	0
Global Males	376,281	0	421	2,140	5,016	9,215	16,100	56,606	86,353	92,972	71,937	30,674	4,505	342
Female prevalent cases by age and GBD region, 2005 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	87,481	0	120	454	878	1,378	2,271	8,575	16,795	22,625	21,176	10,812	2,236	163
Latin America, Southern	4,003	0	4	20	48	86	162	662	1,049	1,078	629	229	32	3
Europe, Western	85,165	0	52	295	745	1,478	2,818	12,688	22,017	20,638	15,526	7,390	1,360	158
Australasia	3,893	0	4	18	38	65	107	413	771	1,022	881	446	120	7
Asia Pacific, High Income	14,055	0	5	31	77	150	323	1,682	3,081	3,942	3,267	1,277	198	22
Europe, Eastern	5,534	0	3	18	57	146	281	885	1,314	1,507	852	415	48	7
Europe, Central	11,852	0	6	35	96	211	428	1,829	2,835	3,392	2,002	855	147	15
Asia, Central	220	0	0	2	6	11	17	48	55	44	21	12	2	0
Sub-Saharan Africa, West	16	0	0	0	1	1	2	4	3	3	2	1	0	0
Sub-Saharan Africa, Southern	101	0	0	1	3	5	9	20	21	23	14	4	0	0
Sub-Saharan Africa, East	15	0	0	0	1	1	2	3	3	2	2	1	0	0
Sub-Saharan Africa, Central	10	0	0	0	1	1	1	2	2	2	1	0	0	0
North Africa / Middle East	20,797	0	34	175	402	737	1,356	4,294	5,356	4,701	2,632	980	120	9
Asia, South	1,875	0	5	27	60	98	153	429	456	364	204	70	8	1
Oceania	25	0	0	0	1	1	2	6	6	5	3	1	0	0
Asia, Southeast	11,468	0	13	75	183	338	648	2,305	3,083	2,779	1,473	504	62	7
Asia, East	29,392	0	20	131	359	753	1,274	5,627	8,949	7,292	3,606	1,212	150	17
Latin America, Tropical	7,417	0	8	48	114	222	424	1,502	2,079	1,739	927	313	38	4
Latin America, Central	11,111	0	16	91	223	392	671	2,365	3,174	2,574	1,180	375	45	6
Latin America, Andean	879	0	2	9	21	35	59	197	229	179	104	39	5	1
Caribbean	313	0	0	3	7	13	21	66	84	63	39	15	2	0
Global Females	295,624	0	293	1,435	3,320	6,124	11,030	43,602	71,363	73,975	54,540	24,949	4,573	420
Total prevalent cases by age and GBD region, 2005 - Transplantation														
Global Total	671,904	0	714	3,575	8,337	15,339	27,129	100,208	157,715	166,947	126,477	55,623	9,078	762

Annex Table 13 - Male prevalent cases by age and GBD region, 2010 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	142,073	0	207	787	1,462	2,426	4,119	14,377	24,290	36,829	37,177	17,483	2,738	178
Latin America, Southern	6,243	0	5	28	69	136	288	1,136	1,541	1,554	1,084	362	36	4
Europe, Western	135,747	0	96	558	1,397	2,743	5,106	19,491	30,749	32,535	28,259	12,757	1,865	191
Australasia	6,558	0	11	35	56	80	148	631	1,220	1,784	1,671	776	137	9
Asia Pacific, High Income	22,182	0	8	43	109	211	434	2,162	4,730	6,269	5,651	2,241	296	28
Europe, Eastern	6,371	0	5	27	69	168	404	1,073	1,344	1,755	1,180	311	32	4
Europe, Central	17,687	0	11	61	158	343	753	3,058	4,052	4,302	3,608	1,166	159	16
Asia, Central	336	0	1	4	9	19	32	72	72	74	39	11	2	0
Sub-Saharan Africa, West	28	0	0	1	1	2	3	7	6	4	3	1	0	0
Sub-Saharan Africa, Southern	156	0	0	2	5	9	15	35	33	30	20	6	0	0
Sub-Saharan Africa, East	26	0	0	1	2	2	3	6	5	4	2	1	0	0
Sub-Saharan Africa, Central	19	0	0	1	1	2	2	5	4	3	2	1	0	0
North Africa / Middle East	41,624	0	62	318	711	1,309	2,539	8,654	10,549	9,992	5,679	1,605	193	15
Asia, South	3,695	0	9	51	117	201	327	890	867	686	406	125	15	2
Oceania	51	0	0	1	2	3	4	12	12	10	6	2	0	0
Asia, Southeast	20,739	0	23	144	354	676	1,211	3,817	4,964	5,234	3,270	941	97	9
Asia, East	49,963	0	39	241	651	1,333	2,625	8,239	14,575	12,252	7,667	2,087	230	25
Latin America, Tropical	10,854	0	13	84	203	363	675	2,156	2,589	2,651	1,596	470	49	6
Latin America, Central	16,212	0	28	168	401	730	1,210	3,429	4,012	3,499	2,045	616	65	8
Latin America, Andean	1,565	0	3	18	40	70	113	338	384	325	199	66	8	1
Caribbean	555	0	1	5	13	23	40	112	142	122	69	23	3	0
Global Males	482,685	0	521	2,577	5,830	10,848	20,051	69,701	106,139	119,914	99,632	41,049	5,926	494
Female prevalent cases by age and GBD region, 2010 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	115,257	0	151	564	1,037	1,715	2,914	10,952	19,471	29,398	30,758	15,325	2,755	216
Latin America, Southern	4,898	0	4	21	51	99	193	814	1,262	1,311	811	290	38	4
Europe, Western	107,061	0	62	344	847	1,667	3,217	14,003	25,098	27,371	22,249	10,197	1,800	207
Australasia	4,962	0	5	21	45	79	132	491	915	1,296	1,208	615	145	10
Asia Pacific, High Income	15,861	0	6	32	83	160	319	1,659	3,585	4,414	3,753	1,567	253	30
Europe, Eastern	6,875	0	4	23	57	139	343	1,200	1,552	1,852	1,235	413	50	8
Europe, Central	15,805	0	7	41	104	227	509	2,401	3,839	4,207	3,144	1,109	195	22
Asia, Central	285	0	1	3	6	13	23	61	66	63	34	12	2	0
Sub-Saharan Africa, West	21	0	0	0	1	2	2	5	4	3	2	1	0	0
Sub-Saharan Africa, Southern	125	0	0	1	3	6	11	26	25	27	19	6	1	0
Sub-Saharan Africa, East	20	0	0	0	1	2	2	5	4	3	2	1	0	0
Sub-Saharan Africa, Central	13	0	0	0	1	1	1	3	3	2	1	0	0	0
North Africa / Middle East	28,788	0	44	215	470	854	1,680	5,983	7,303	6,756	3,993	1,301	176	13
Asia, South	2,610	0	6	34	78	131	209	595	629	513	302	99	13	2
Oceania	35	0	0	1	1	2	3	8	8	7	4	1	0	0
Asia, Southeast	15,260	0	16	89	208	400	785	2,938	4,045	3,876	2,160	650	84	9
Asia, East	35,889	0	22	131	361	768	1,602	5,728	11,180	9,177	5,216	1,490	191	23
Latin America, Tropical	9,543	0	9	56	136	246	483	1,928	2,593	2,362	1,275	399	50	6
Latin America, Central	14,895	0	18	108	261	482	839	2,995	4,232	3,592	1,792	509	58	8
Latin America, Andean	1,175	0	2	11	26	45	76	253	306	248	148	52	7	1
Caribbean	418	0	1	4	9	16	28	84	109	93	52	19	3	0
Global Females	379,797	0	359	1,701	3,786	7,055	13,371	52,132	86,227	96,570	78,159	34,056	5,820	560
Total prevalent cases by age and GBD region, 2010 - Transplantation														
Global Total	862,481	0	880	4,278	9,616	17,903	33,423	121,833	192,366	216,485	177,791	75,105	11,746	1,054

Annex Table 14 - Male YLDs by age and GBD region, 1990 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	14,824	0	176	572	445	117	162	661	1,149	1,498	2,378	3,415	4,252	2,164
Latin America, Southern	1,831	0	24	113	87	21	22	70	111	177	317	429	461	218
Europe, Western	30,935	0	1,353	1,272	1,007	270	332	1,050	1,777	2,799	4,924	6,709	9,442	4,716
Australasia	1,536	0	22	75	57	15	17	64	115	174	286	351	355	166
Asia Pacific, High Income	10,253	0	701	302	224	67	76	301	658	1,186	2,085	2,224	2,431	1,150
Europe, Eastern	6,951	0	209	288	221	67	61	254	441	820	1,625	1,339	1,632	734
Europe, Central	3,610	0	149	131	116	35	35	110	208	338	712	788	982	461
Asia, Central	855	0	62	68	55	21	19	53	57	97	165	116	141	74
Sub-Saharan Africa, West	8,241	0	244	298	253	122	155	568	883	1,430	1,732	1,659	900	333
Sub-Saharan Africa, Southern	1,142	0	38	61	55	27	28	78	121	178	223	208	127	52
Sub-Saharan Africa, East	4,232	0	187	214	203	107	123	347	477	639	764	734	437	171
Sub-Saharan Africa, Central	711	0	29	38	42	25	28	67	81	110	120	109	60	23
North Africa / Middle East	5,057	0	295	382	320	127	118	291	421	594	903	907	698	301
Asia, South	21,616	0	681	943	1,030	615	693	1,829	2,366	3,252	3,992	3,766	2,451	1,080
Oceania	181	0	5	15	12	3	3	11	19	27	31	30	18	7
Asia, Southeast	16,089	0	508	588	505	257	312	1,133	1,597	2,313	3,116	3,308	2,453	1,033
Asia, East	53,413	0	608	5,170	4,095	1,439	1,636	3,344	4,703	5,841	8,507	9,563	8,507	3,629
Latin America, Tropical	4,087	0	117	202	189	70	70	213	327	501	745	882	768	350
Latin America, Central	5,327	0	165	377	356	113	102	264	368	545	845	1,044	1,148	589
Latin America, Andean	879	0	28	53	48	20	18	47	75	114	159	173	146	65
Caribbean	930	0	19	33	30	14	15	43	63	102	160	211	236	121
Global Males	192,700	0	5,620	11,195	9,350	3,552	4,025	10,798	16,017	22,735	33,789	37,965	37,645	17,437
Female YLDs by age and GBD region, 1990 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	15,495	0	116	139	132	182	427	1,703	2,023	1,958	2,231	2,851	3,731	2,188
Latin America, Southern	1,795	0	13	45	41	30	42	215	265	280	284	278	307	161
Europe, Western	49,589	0	880	780	727	856	1,675	5,066	6,189	6,347	6,903	8,243	11,922	6,713
Australasia	1,046	0	16	14	12	15	28	96	139	139	150	185	248	137
Asia Pacific, High Income	9,363	0	422	89	86	109	172	764	1,195	1,433	1,541	1,552	2,002	1,060
Europe, Eastern	8,968	0	153	100	93	86	137	676	906	1,212	1,588	1,556	2,460	1,258
Europe, Central	6,346	0	106	94	96	92	139	582	798	865	1,131	1,040	1,403	724
Asia, Central	1,108	0	37	25	28	28	47	150	140	148	174	144	187	102
Sub-Saharan Africa, West	7,440	0	147	180	165	137	212	758	1,046	1,458	1,408	1,216	714	284
Sub-Saharan Africa, Southern	1,144	0	22	32	32	28	43	137	168	197	174	168	141	66
Sub-Saharan Africa, East	4,239	0	122	164	150	122	173	496	611	721	676	588	414	179
Sub-Saharan Africa, Central	624	0	15	23	23	22	32	80	92	107	95	83	52	23
North Africa / Middle East	3,658	0	180	141	133	122	176	458	507	544	555	463	375	172
Asia, South	17,331	0	399	527	591	613	927	2,390	2,544	2,977	2,732	2,196	1,433	639
Oceania	73	0	3	2	2	2	2	8	11	10	9	8	5	1
Asia, Southeast	10,100	0	377	248	211	199	301	1,095	1,334	1,676	1,705	1,588	1,367	617
Asia, East	10,493	0	397	257	263	351	599	1,339	1,535	1,408	1,407	1,385	1,548	794
Latin America, Tropical	5,930	0	100	179	158	106	167	685	813	985	950	906	885	429
Latin America, Central	20,638	0	113	846	908	972	1,491	3,363	3,200	3,132	2,902	2,081	1,635	849
Latin America, Andean	739	0	17	24	23	20	31	84	101	119	115	105	105	50
Caribbean	696	13	27	27	28	40	64	77	86	105	105	112	128	67
Global Females	176,815	13	3,662	3,936	3,902	4,132	6,885	20,222	23,703	25,821	26,835	26,748	31,062	16,513
Total YLDs by age and GBD region, 1990 - CKD Stage 3														
Global Total	369,515	13	9,282	15,131	13,252	7,684	10,910	31,020	39,720	48,556	60,624	64,713	68,707	33,950

Annex Table 14 - Male YLDs by age and GBD region, 2005 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	23,462	0	251	815	740	194	245	829	1,765	3,294	4,155	4,227	2,961	3,985
Latin America, Southern	2,734	0	23	136	113	29	31	98	170	290	442	600	401	397
Europe, Western	40,172	0	1,468	1,269	950	251	307	1,190	2,461	3,784	6,079	9,550	6,118	6,743
Australasia	2,125	0	23	83	66	15	20	64	138	264	389	429	297	332
Asia Pacific, High Income	14,622	0	600	281	210	50	69	307	640	1,311	2,695	3,866	2,325	2,276
Europe, Eastern	7,424	0	121	156	170	74	77	213	427	951	1,155	2,128	1,254	702
Europe, Central	4,237	0	94	85	85	32	36	110	191	457	697	1,135	706	610
Asia, Central	1,050	0	51	65	71	27	25	52	86	134	128	223	121	67
Sub-Saharan Africa, West	12,030	0	343	430	368	177	246	906	1,324	1,924	2,395	2,421	912	583
Sub-Saharan Africa, Southern	1,708	0	40	77	72	36	37	100	149	266	344	352	138	95
Sub-Saharan Africa, East	6,265	0	271	327	302	152	182	525	678	901	1,062	1,110	449	308
Sub-Saharan Africa, Central	1,066	0	44	61	66	42	47	106	126	154	174	156	55	38
North Africa / Middle East	8,473	0	280	429	421	180	183	448	729	1,083	1,267	1,838	929	685
Asia, South	27,565	0	762	1,487	1,533	809	882	2,100	2,973	4,348	4,639	4,622	1,854	1,560
Oceania	292	0	7	23	18	6	4	21	30	43	53	52	20	12
Asia, Southeast	36,817	0	482	1,268	1,149	441	563	2,153	4,021	6,324	6,448	7,665	3,449	2,858
Asia, East	71,121	0	586	7,044	5,953	1,799	1,735	4,967	7,298	9,376	9,689	11,532	6,081	5,065
Latin America, Tropical	6,532	0	111	222	209	86	90	259	493	833	1,123	1,454	807	845
Latin America, Central	22,920	0	168	2,938	2,873	606	603	1,642	2,184	2,669	2,850	3,033	1,673	1,679
Latin America, Andean	1,401	0	28	70	64	25	23	65	108	172	239	312	151	142
Caribbean	1,309	0	18	41	40	18	16	49	101	152	221	303	162	186
Global Males	293,325	0	5,771	17,307	15,473	5,049	5,421	16,204	26,092	38,730	46,244	57,008	30,863	29,168
Female YLDs by age and GBD region, 2005 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	22,170	0	154	177	199	266	561	1,974	2,955	4,059	3,722	3,049	5,054	3,259
Latin America, Southern	2,600	0	13	47	50	37	73	307	395	428	375	368	507	285
Europe, Western	58,424	0	930	709	654	827	1,504	4,985	8,442	8,610	8,256	9,265	14,246	8,736
Australasia	1,311	0	16	14	13	15	31	96	160	203	195	197	366	227
Asia Pacific, High Income	12,110	0	356	82	76	104	247	711	1,453	1,523	1,777	2,195	3,585	2,136
Europe, Eastern	9,574	0	87	53	68	102	178	587	925	1,494	1,236	2,013	2,826	1,340
Europe, Central	7,125	0	71	64	71	93	177	608	739	1,102	1,042	1,344	1,814	949
Asia, Central	1,320	0	30	22	32	41	63	161	224	227	130	186	207	100
Sub-Saharan Africa, West	11,802	0	204	238	229	206	348	1,276	1,695	2,350	2,324	1,839	1,091	449
Sub-Saharan Africa, Southern	1,771	0	23	34	36	37	67	203	253	326	283	268	235	113
Sub-Saharan Africa, East	6,442	0	156	230	215	189	269	782	926	1,096	988	896	693	301
Sub-Saharan Africa, Central	925	0	26	33	36	36	53	126	137	146	134	115	81	35
North Africa / Middle East	5,833	0	166	134	152	176	284	741	904	941	729	842	764	337
Asia, South	23,605	0	414	594	699	802	1,191	3,238	3,832	4,239	3,526	2,986	2,084	958
Oceania	111	0	3	2	2	2	3	13	16	19	14	11	9	4
Asia, Southeast	16,519	0	361	269	243	227	398	1,603	2,521	3,035	2,453	2,739	2,669	1,265
Asia, East	20,627	0	370	407	427	598	677	2,890	3,616	3,284	2,612	2,688	3,059	1,593
Latin America, Tropical	12,931	0	95	206	190	141	277	1,571	2,063	2,198	1,875	1,952	2,363	1,294
Latin America, Central	31,972	0	118	822	975	1,031	1,674	5,130	5,875	5,848	4,218	3,383	2,903	1,524
Latin America, Andean	1,186	0	18	28	30	28	39	135	173	190	169	177	200	106
Caribbean	938	0	13	16	17	18	27	88	140	151	136	152	184	104
Global Females	249,296	0	3,624	4,181	4,414	4,976	8,141	27,225	37,444	41,469	36,194	36,665	44,940	25,115
Total YLDs by age and GBD region, 2005 - CKD Stage 3														
Global Total	542,621	0	9,395	21,488	19,887	10,025	13,562	43,429	63,536	80,199	82,438	93,673	75,803	54,283

Annex Table 14 - Male YLDs by age and GBD region, 2010 - CKD Stage 3														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	25,881	0	268	838	664	188	246	860	1,673	3,443	4,948	4,942	3,143	4,662
Latin America, Southern	2,853	0	23	118	96	26	29	94	160	297	470	647	415	482
Europe, Western	40,859	0	1,518	1,163	821	207	255	998	2,110	3,567	5,807	9,529	6,497	8,381
Australasia	2,267	0	25	68	54	15	18	57	123	246	425	505	308	422
Asia Pacific, High Income	15,684	0	568	238	190	46	56	258	639	1,203	2,601	4,026	2,752	3,105
Europe, Eastern	7,552	0	140	160	129	51	74	219	375	921	1,449	1,886	1,038	1,111
Europe, Central	4,282	0	97	78	70	27	34	110	191	403	801	1,021	713	738
Asia, Central	1,137	0	56	64	62	28	28	57	85	161	172	201	113	110
Sub-Saharan Africa, West	13,662	0	376	506	421	197	270	1,010	1,510	2,147	2,617	2,818	1,078	707
Sub-Saharan Africa, Southern	1,854	0	38	75	72	34	41	115	164	269	383	395	157	116
Sub-Saharan Africa, East	7,220	0	285	368	337	164	202	583	786	1,044	1,253	1,271	536	383
Sub-Saharan Africa, Central	1,219	0	45	73	76	45	54	117	141	178	195	181	65	43
North Africa / Middle East	9,582	0	294	448	412	172	192	531	813	1,265	1,612	1,858	1,110	873
Asia, South	31,406	0	779	1,704	1,704	861	871	2,000	3,117	4,821	5,732	5,473	2,311	2,033
Oceania	339	0	8	25	20	6	6	23	34	54	64	59	24	15
Asia, Southeast	43,771	0	473	1,968	1,642	487	635	2,412	4,432	7,434	8,402	8,355	4,158	3,374
Asia, East	71,107	0	565	5,970	4,993	1,476	1,983	4,251	7,868	9,083	11,763	11,213	6,389	5,552
Latin America, Tropical	7,457	0	106	221	216	80	86	279	499	951	1,381	1,665	885	1,091
Latin America, Central	24,950	0	170	2,989	2,707	637	617	1,576	2,412	3,001	3,379	3,419	1,950	2,090
Latin America, Andean	1,637	0	29	70	66	25	22	69	119	200	293	365	190	190
Caribbean	1,460	0	18	40	39	16	18	49	100	179	255	342	186	220
Global Males	316,179	0	5,881	17,184	14,791	4,788	5,737	15,668	27,351	40,867	54,002	60,171	34,018	35,698
Female YLDs by age and GBD region, 2010 - CKD Stage 3														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-79 years	80+ years
North America, High Income	23,653	0	156	182	175	255	531	2,043	2,740	4,189	4,338	3,550	1,857	3,635
Latin America, Southern	2,815	0	13	41	43	37	71	308	396	482	434	408	233	356
Europe, Western	60,399	0	934	692	626	760	1,417	4,084	7,654	9,155	8,886	9,827	5,858	10,505
Australasia	1,451	0	18	14	13	17	31	85	160	231	241	233	138	267
Asia Pacific, High Income	13,568	0	340	70	74	120	209	658	1,429	1,690	2,007	2,468	1,725	2,774
Europe, Eastern	9,770	0	101	55	53	73	171	592	841	1,482	1,561	1,894	1,194	1,751
Europe, Central	7,411	0	72	58	62	80	170	585	760	1,010	1,255	1,268	901	1,184
Asia, Central	1,448	0	35	21	28	40	73	176	219	273	182	172	94	132
Sub-Saharan Africa, West	13,474	0	243	286	259	228	388	1,500	1,951	2,639	2,579	2,113	759	532
Sub-Saharan Africa, Southern	1,908	0	22	34	36	36	67	216	252	334	329	303	143	131
Sub-Saharan Africa, East	7,423	0	177	270	249	221	310	902	1,086	1,221	1,140	1,014	461	370
Sub-Saharan Africa, Central	1,078	0	29	39	41	40	65	152	162	171	151	131	53	41
North Africa / Middle East	6,834	0	183	139	149	173	296	891	1,051	1,133	941	900	519	459
Asia, South	27,062	0	420	626	725	846	1,342	3,708	4,320	4,852	4,195	3,405	1,418	1,209
Oceania	131	0	4	3	2	2	3	16	20	24	19	14	6	5
Asia, Southeast	19,285	0	373	286	245	233	394	1,758	2,812	3,676	3,097	3,052	1,738	1,618
Asia, East	25,490	0	335	406	430	586	806	2,914	4,710	3,993	3,979	3,279	1,955	2,090
Latin America, Tropical	15,641	0	82	224	219	147	277	1,974	2,348	2,706	2,457	2,337	1,205	1,673
Latin America, Central	36,604	0	111	848	942	1,064	1,747	5,280	6,709	7,001	5,451	3,875	1,614	1,964
Latin America, Andean	1,392	0	18	29	29	29	43	146	192	232	210	210	115	135
Caribbean	1,064	0	12	14	17	17	28	90	147	182	160	175	94	125
Global Females	277,901	0	3,678	4,337	4,417	5,004	8,439	28,078	39,959	46,676	43,612	40,628	22,080	30,956
Total YLDs by age and GBD region, 2010 - CKD Stage 3														
Global Total	594,080	0	9,559	21,521	19,208	9,792	14,176	43,746	67,310	87,543	97,614	100,799	56,098	66,654

Annex Table 15 - Male YLDs by age and GBD region, 1990 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	18,848	38	140	145	148	210	287	1,023	1,474	1,402	2,568	4,352	4,496	2,565
Latin America, Southern	2,023	7	26	27	28	36	42	124	166	183	323	443	405	214
Europe, Western	22,030	30	112	123	138	217	306	951	1,409	1,693	3,307	4,815	5,627	3,301
Australasia	1,155	3	9	9	10	15	19	62	94	95	171	266	263	141
Asia Pacific, High Income	8,362	14	54	63	75	119	145	427	727	857	1,454	1,727	1,738	963
Europe, Eastern	10,804	25	100	110	111	150	187	715	1,000	1,142	2,201	1,974	2,039	1,052
Europe, Central	7,088	14	55	61	67	91	109	366	593	620	1,249	1,465	1,552	845
Asia, Central	2,316	17	58	54	48	63	75	220	225	239	422	349	339	207
Sub-Saharan Africa, West	6,908	79	254	232	211	248	264	644	754	757	1,045	1,194	859	368
Sub-Saharan Africa, Southern	1,650	15	52	50	48	62	70	176	200	187	254	267	186	84
Sub-Saharan Africa, East	6,322	85	272	234	203	242	258	609	688	645	910	1,040	785	352
Sub-Saharan Africa, Central	1,449	22	67	55	45	54	58	141	160	153	210	236	173	75
North Africa / Middle East	9,051	77	275	270	246	297	332	841	954	863	1,391	1,583	1,297	627
Asia, South	34,945	245	857	840	806	1,016	1,181	3,129	3,691	3,655	5,531	6,481	5,034	2,480
Oceania	153	2	5	5	5	6	7	17	19	18	23	23	15	7
Asia, Southeast	16,287	100	368	397	402	520	602	1,559	1,697	1,638	2,479	2,880	2,453	1,191
Asia, East	45,827	179	655	640	659	1,110	1,458	3,625	4,817	4,442	7,438	9,392	7,791	3,621
Latin America, Tropical	5,339	30	112	119	115	145	175	493	576	538	791	962	847	437
Latin America, Central	5,097	37	132	131	129	166	186	461	518	474	709	885	809	463
Latin America, Andean	1,266	9	33	32	32	40	45	113	129	125	186	225	199	100
Caribbean	1,252	6	22	21	20	29	36	93	105	109	172	242	251	147
Global Males	208,174	1,033	3,657	3,618	3,546	4,835	5,840	15,786	19,996	19,835	32,833	40,801	37,154	19,241
Female YLDs by age and GBD region, 1990 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	28,154	42	152	152	153	219	308	1,133	1,660	1,607	3,196	6,234	7,733	5,565
Latin America, Southern	2,900	9	30	29	29	38	47	140	191	214	410	644	698	422
Europe, Western	34,811	33	122	131	145	230	330	1,036	1,544	1,884	4,089	7,317	10,458	7,493
Australasia	1,589	2	9	9	10	16	20	68	102	102	191	347	426	285
Asia Pacific, High Income	12,037	14	55	67	82	127	153	463	796	969	1,773	2,629	3,012	1,897
Europe, Eastern	22,752	26	104	120	122	160	197	779	1,148	1,444	3,389	4,803	6,541	3,918
Europe, Central	10,540	15	56	63	70	96	117	395	648	715	1,598	2,267	2,801	1,700
Asia, Central	3,685	17	60	58	53	67	81	249	261	280	564	698	799	497
Sub-Saharan Africa, West	8,281	92	292	256	224	269	290	709	836	862	1,249	1,505	1,162	535
Sub-Saharan Africa, Southern	2,234	17	59	60	57	71	78	198	228	219	315	402	346	185
Sub-Saharan Africa, East	7,728	87	282	251	224	268	290	698	802	761	1,114	1,339	1,088	524
Sub-Saharan Africa, Central	1,868	22	70	58	50	60	65	159	184	186	275	338	272	129
North Africa / Middle East	10,200	81	291	287	263	317	352	892	1,001	947	1,544	1,824	1,587	813
Asia, South	36,056	273	935	885	824	1,036	1,195	3,135	3,730	3,763	5,618	6,648	5,358	2,657
Oceania	179	2	6	6	5	7	7	18	21	19	25	29	23	11
Asia, Southeast	20,395	113	410	425	419	553	650	1,730	1,958	1,949	3,044	3,781	3,516	1,847
Asia, East	53,924	194	709	678	680	1,153	1,499	3,663	4,818	4,431	7,738	11,082	10,986	6,294
Latin America, Tropical	6,578	33	122	124	118	157	195	549	643	619	956	1,236	1,173	652
Latin America, Central	6,398	41	143	139	136	181	209	526	586	536	876	1,167	1,148	709
Latin America, Andean	1,529	11	37	35	33	42	48	123	141	141	217	281	272	148
Caribbean	1,508	7	25	23	22	32	40	104	117	122	199	293	326	198
Global Females	273,347	1,129	3,969	3,856	3,719	5,099	6,172	16,767	21,416	21,770	38,381	54,864	59,726	36,480
Total YLDs by age and GBD region, 1990 - CKD Stage 4														
Global Total	481,522	2,162	7,625	7,474	7,264	9,935	12,012	32,552	41,411	41,605	71,215	95,665	96,880	55,721

Annex Table 15 - Male YLDs by age and GBD region, 2005 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	25,245	39	140	145	164	243	319	996	1,791	2,373	3,659	4,958	6,178	4,239
Latin America, Southern	2,679	7	25	27	29	40	49	147	209	243	391	564	604	344
Europe, Western	29,022	31	112	121	133	196	262	946	1,745	2,046	3,880	6,741	7,916	4,893
Australasia	1,640	3	9	10	10	15	19	63	110	142	240	338	416	265
Asia Pacific, High Income	11,860	11	42	48	53	79	114	423	676	906	1,846	2,861	3,066	1,735
Europe, Eastern	12,404	17	60	64	87	161	212	600	986	1,366	1,715	2,961	2,953	1,221
Europe, Central	8,438	10	36	40	49	83	115	369	544	800	1,233	1,972	2,107	1,081
Asia, Central	3,021	13	46	47	56	82	92	229	325	340	348	613	590	239
Sub-Saharan Africa, West	10,400	117	379	334	302	382	430	1,031	1,115	1,057	1,520	1,778	1,349	605
Sub-Saharan Africa, Southern	2,493	16	56	57	60	84	101	254	286	291	393	429	320	148
Sub-Saharan Africa, East	9,687	107	358	323	294	369	406	977	1,045	966	1,343	1,606	1,296	598
Sub-Saharan Africa, Central	2,119	28	92	82	73	86	91	213	237	218	295	340	252	113
North Africa / Middle East	14,764	78	276	281	302	437	539	1,383	1,704	1,629	1,942	2,671	2,392	1,130
Asia, South	51,665	278	998	1,020	1,029	1,377	1,621	4,380	5,770	5,985	7,791	9,680	7,787	3,949
Oceania	234	2	7	7	6	8	10	26	31	29	36	37	25	11
Asia, Southeast	24,801	99	363	386	425	595	734	2,086	2,897	2,910	3,516	4,626	4,079	2,085
Asia, East	64,683	135	516	597	696	1,062	1,204	4,158	6,882	7,615	10,066	13,571	12,127	6,054
Latin America, Tropical	8,386	29	109	114	116	173	229	621	867	913	1,209	1,551	1,533	923
Latin America, Central	7,659	35	128	132	139	184	218	610	799	805	1,069	1,388	1,363	792
Latin America, Andean	1,939	10	35	36	36	48	57	156	198	196	273	366	338	188
Caribbean	1,677	6	21	22	24	32	37	106	164	161	233	333	331	208
Global Males	294,817	1,068	3,808	3,892	4,085	5,738	6,860	19,772	28,380	30,991	42,996	59,383	57,022	30,823
Female YLDs by age and GBD region, 2005 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	35,692	38	138	150	175	255	332	1,058	1,957	2,691	4,370	6,564	9,653	8,310
Latin America, Southern	3,886	7	27	29	31	43	54	163	236	286	482	796	1,025	707
Europe, Western	41,804	33	119	125	136	205	281	1,024	1,902	2,297	4,503	8,758	12,466	9,954
Australasia	2,120	2	9	10	11	16	21	70	125	161	268	401	567	460
Asia Pacific, High Income	17,037	11	43	49	54	82	119	464	750	1,011	2,165	3,769	4,848	3,669
Europe, Eastern	24,890	18	63	67	90	171	230	668	1,152	1,764	2,664	5,848	7,849	4,306
Europe, Central	12,917	11	40	44	53	89	123	396	595	918	1,562	2,954	3,807	2,324
Asia, Central	4,474	13	46	50	61	90	101	263	392	429	460	912	1,083	574
Sub-Saharan Africa, West	12,424	122	403	367	335	413	461	1,121	1,252	1,228	1,825	2,251	1,793	853
Sub-Saharan Africa, Southern	3,350	16	60	62	66	91	108	263	319	356	505	636	559	308
Sub-Saharan Africa, East	11,868	117	393	357	327	411	454	1,087	1,176	1,156	1,665	2,078	1,773	873
Sub-Saharan Africa, Central	2,672	29	98	87	78	95	102	239	268	257	375	468	388	187
North Africa / Middle East	16,513	84	297	298	316	458	563	1,409	1,747	1,706	2,187	3,118	2,900	1,428
Asia, South	55,762	263	947	977	1,026	1,436	1,732	4,641	5,958	6,066	8,229	10,785	9,007	4,693
Oceania	279	2	7	7	7	8	10	27	32	32	41	47	38	20
Asia, Southeast	31,886	111	407	431	468	652	808	2,347	3,318	3,381	4,385	6,276	6,007	3,295
Asia, East	75,394	124	479	571	691	1,081	1,253	4,376	7,217	8,110	10,687	15,152	16,142	9,511
Latin America, Tropical	10,725	30	115	125	130	189	247	695	999	1,065	1,467	2,033	2,206	1,424
Latin America, Central	9,765	36	133	142	153	204	244	701	940	950	1,267	1,782	1,962	1,251
Latin America, Andean	2,348	9	35	38	40	52	62	170	218	219	317	455	457	277
Caribbean	2,041	6	22	23	24	35	42	119	180	178	265	408	441	298
Global Females	377,845	1,085	3,881	4,010	4,275	6,076	7,347	21,302	30,733	34,263	49,691	75,488	84,973	54,722
Total YLDs by age and GBD region, 2005 - CKD Stage 4														
Global Total	672,662	2,153	7,689	7,903	8,360	11,813	14,206	41,074	59,112	65,254	92,687	134,871	141,995	85,545

Annex Table 15 - Male YLDs by age and GBD region, 2010 - CKD Stage 4														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	27,568	38	138	145	157	240	322	1,015	1,675	2,513	4,458	5,753	6,371	4,742
Latin America, Southern	2,925	7	25	26	28	41	52	157	222	267	442	617	639	401
Europe, Western	31,795	32	117	122	129	191	264	914	1,707	2,236	4,274	7,206	8,706	5,897
Australasia	1,829	3	9	9	10	15	20	64	110	153	282	396	438	318
Asia Pacific, High Income	13,293	10	38	41	50	75	100	381	710	899	1,938	3,137	3,636	2,278
Europe, Eastern	12,436	20	70	65	67	121	208	649	916	1,364	2,096	2,703	2,642	1,514
Europe, Central	8,853	10	36	37	42	71	109	378	561	753	1,451	1,902	2,226	1,279
Asia, Central	3,196	14	49	46	50	80	104	251	326	403	446	559	568	299
Sub-Saharan Africa, West	11,863	127	423	386	347	424	475	1,189	1,298	1,197	1,670	2,034	1,577	716
Sub-Saharan Africa, Southern	2,730	14	53	55	58	84	108	287	308	300	438	489	364	172
Sub-Saharan Africa, East	11,186	113	388	367	342	422	472	1,137	1,218	1,098	1,545	1,838	1,525	721
Sub-Saharan Africa, Central	2,461	29	97	90	83	101	110	257	279	257	339	390	296	134
North Africa / Middle East	17,157	84	298	293	300	437	580	1,660	1,988	1,957	2,507	2,848	2,811	1,393
Asia, South	57,716	270	974	998	1,031	1,416	1,717	4,808	6,317	6,727	9,215	10,690	8,892	4,661
Oceania	271	2	8	8	7	9	10	29	36	33	43	43	30	13
Asia, Southeast	28,326	106	386	403	417	606	768	2,238	3,137	3,448	4,369	5,131	4,806	2,509
Asia, East	73,374	134	498	549	645	1,001	1,380	3,783	7,528	8,247	12,914	14,773	14,487	7,435
Latin America, Tropical	9,448	27	103	115	120	166	220	677	911	1,046	1,452	1,776	1,713	1,122
Latin America, Central	8,939	36	132	136	140	196	233	650	897	951	1,322	1,637	1,621	989
Latin America, Andean	2,227	10	35	35	36	50	60	169	220	225	321	422	410	235
Caribbean	1,885	6	21	22	23	32	40	109	170	191	269	377	384	243
Global Males	329,479	1,091	3,896	3,947	4,082	5,779	7,354	20,801	30,534	34,266	51,792	64,720	64,144	37,072
Female YLDs by age and GBD region, 2010 - CKD Stage 4														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	37,905	41	149	159	171	256	339	1,072	1,820	2,825	5,257	7,386	9,564	8,865
Latin America, Southern	4,204	8	28	28	30	44	56	171	246	311	543	852	1,070	820
Europe, Western	43,754	31	114	125	137	200	276	976	1,843	2,460	4,871	8,963	12,806	10,951
Australasia	2,285	3	10	10	11	16	21	70	123	171	313	455	571	511
Asia Pacific, High Income	18,766	10	38	43	53	78	105	409	775	994	2,252	4,041	5,492	4,475
Europe, Eastern	24,423	20	70	67	72	128	222	714	1,068	1,761	3,200	5,534	6,734	4,833
Europe, Central	13,625	11	38	40	45	75	115	404	614	855	1,821	2,869	4,000	2,737
Asia, Central	4,719	14	49	46	51	86	115	288	392	512	602	870	1,028	667
Sub-Saharan Africa, West	14,314	198	462	438	399	441	543	1,397	1,346	1,431	1,943	2,652	2,067	996
Sub-Saharan Africa, Southern	3,796	15	56	61	65	92	116	293	322	373	596	756	678	372
Sub-Saharan Africa, East	13,769	132	450	416	377	465	519	1,259	1,360	1,297	1,935	2,398	2,106	1,055
Sub-Saharan Africa, Central	3,075	33	113	103	93	112	121	284	313	295	423	530	440	215
North Africa / Middle East	19,506	89	315	307	311	453	597	1,684	2,021	2,045	2,776	3,468	3,554	1,886
Asia, South	63,643	296	1,037	997	1,015	1,482	1,870	5,128	6,495	6,814	9,641	12,185	10,933	5,752
Oceania	327	2	8	8	7	9	11	30	38	37	50	56	47	24
Asia, Southeast	36,230	100	378	420	452	645	817	2,471	3,586	3,933	5,266	6,961	7,183	4,019
Asia, East	84,621	126	467	508	608	967	1,388	3,940	7,903	8,837	13,694	16,424	18,700	11,058
Latin America, Tropical	12,338	26	101	119	130	180	241	758	1,054	1,244	1,815	2,392	2,505	1,774
Latin America, Central	11,244	37	138	147	154	214	258	740	1,047	1,114	1,565	2,023	2,265	1,543
Latin America, Andean	2,696	9	34	37	40	54	65	182	240	252	373	520	547	344
Caribbean	2,305	6	21	23	25	35	44	119	187	215	309	456	511	354
Global Females	417,545	1,208	4,077	4,102	4,245	6,032	7,839	22,389	32,794	37,776	59,245	81,790	92,799	63,248
Total YLDs by age and GBD region, 2010 - CKD Stage 4														
Global Total	747,023	2,299	7,973	8,049	8,327	11,812	15,193	43,190	63,328	72,042	111,037	146,510	156,943	100,320

Annex Table 16 - Male YLDs by age and GBD region, 1990 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	54,374	66	236	231	167	270	642	2,872	5,974	7,178	11,941	13,471	8,359	2,967
Latin America, Southern	6,526	13	47	46	34	48	99	365	711	984	1,620	1,490	808	262
Europe, Western	80,881	68	247	253	192	340	840	3,306	7,232	11,293	19,895	19,202	13,215	4,796
Australasia	3,392	4	14	14	11	18	41	170	373	480	792	826	488	160
Asia Pacific, High Income	24,308	23	86	95	78	138	290	1,090	2,759	4,112	6,446	5,087	3,061	1,042
Europe, Eastern	27,705	35	136	143	102	149	317	1,543	3,186	4,735	8,295	5,077	3,023	966
Europe, Central	17,363	20	76	81	62	92	195	821	1,893	2,544	4,707	3,760	2,335	777
Asia, Central	5,940	23	79	71	46	65	134	500	740	1,009	1,638	925	517	192
Sub-Saharan Africa, West	14,496	103	324	273	167	206	380	1,166	2,018	2,572	3,348	2,560	1,089	289
Sub-Saharan Africa, Southern	3,772	19	66	63	42	57	110	348	579	678	874	614	252	71
Sub-Saharan Africa, East	13,979	98	311	263	166	218	409	1,213	2,003	2,361	3,148	2,411	1,080	299
Sub-Saharan Africa, Central	3,544	28	86	69	42	54	101	305	513	622	795	598	261	70
North Africa / Middle East	26,365	122	430	406	263	348	679	2,177	3,634	4,183	6,306	4,809	2,316	691
Asia, South	87,125	348	1,191	1,108	748	1,028	2,063	6,848	11,814	14,833	20,851	16,371	7,628	2,293
Oceania	386	2	7	7	4	6	12	36	61	73	89	59	23	6
Asia, Southeast	35,609	129	457	445	307	452	926	3,026	4,810	5,886	8,373	6,521	3,290	986
Asia, East	99,992	232	815	724	495	967	2,235	7,005	13,366	15,842	24,594	20,560	10,190	2,966
Latin America, Tropical	13,579	43	158	161	111	152	318	1,113	1,896	2,256	3,108	2,531	1,313	419
Latin America, Central	13,109	55	193	184	128	180	352	1,089	1,766	2,056	2,910	2,428	1,309	459
Latin America, Andean	3,204	13	46	43	29	41	82	259	429	530	733	590	312	96
Caribbean	3,175	9	31	29	20	32	68	218	361	481	709	661	410	146
Global Males	538,825	1,455	5,036	4,710	3,213	4,863	10,294	35,471	66,118	84,707	131,173	110,551	61,279	19,955
Female YLDs by age and GBD region, 1990 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	65,817	59	211	206	149	247	604	2,802	5,965	7,349	13,097	16,862	12,666	5,599
Latin America, Southern	7,576	13	44	43	30	44	94	358	706	1,000	1,759	1,841	1,201	443
Europe, Western	101,548	60	220	229	176	323	812	3,241	7,113	11,255	21,557	25,429	21,651	9,482
Australasia	3,757	4	13	13	10	17	40	166	360	453	771	940	689	281
Asia Pacific, High Income	28,428	20	76	86	71	128	271	1,045	2,639	4,044	6,837	6,766	4,668	1,778
Europe, Eastern	43,967	32	126	133	93	139	305	1,520	3,201	5,237	10,971	10,597	8,488	3,123
Europe, Central	21,252	18	68	73	56	85	180	771	1,837	2,621	5,321	5,121	3,720	1,380
Asia, Central	7,673	21	73	66	42	60	130	500	751	1,050	1,901	1,590	1,078	409
Sub-Saharan Africa, West	15,159	92	289	246	153	198	376	1,158	1,996	2,583	3,541	2,855	1,303	370
Sub-Saharan Africa, Southern	4,243	17	61	59	40	55	106	338	576	703	945	797	410	135
Sub-Saharan Africa, East	14,914	94	298	251	156	208	400	1,221	2,051	2,463	3,373	2,706	1,307	388
Sub-Saharan Africa, Central	4,039	27	85	68	41	52	99	306	526	674	927	759	367	107
North Africa / Middle East	25,906	115	403	379	245	327	641	2,053	3,376	4,052	6,139	4,862	2,520	796
Asia, South	80,124	319	1,080	993	657	925	1,895	6,235	10,695	13,698	19,055	15,046	7,296	2,230
Oceania	385	2	6	6	4	6	11	35	58	67	85	65	30	9
Asia, Southeast	38,585	124	441	433	301	443	910	2,988	4,803	6,107	9,039	7,499	4,149	1,348
Asia, East	98,145	197	707	647	454	893	2,024	6,243	11,934	14,014	22,480	21,316	12,753	4,482
Latin America, Tropical	14,881	39	143	147	102	148	319	1,133	1,942	2,360	3,401	2,936	1,653	559
Latin America, Central	14,117	48	170	163	115	172	349	1,098	1,765	2,058	3,134	2,788	1,641	615
Latin America, Andean	3,311	12	40	38	27	40	79	250	418	521	746	640	373	126
Caribbean	3,270	8	30	28	19	30	67	217	356	471	716	696	461	172
Global Females	597,098	1,322	4,583	4,305	2,942	4,541	9,712	33,677	63,067	82,781	135,796	132,114	88,426	33,832
Total YLDs by age and GBD region, 1990 - CKD Stage 5														
Global Total	1,135,923	2,778	9,619	9,015	6,155	9,404	20,006	69,149	129,185	167,487	266,969	242,664	149,705	53,787

Annex Table 16 - Male YLDs by age and GBD region, 2005 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	71,956	70	244	243	185	303	696	2,733	7,106	11,964	17,554	15,354	11,021	4,483
Latin America, Southern	8,452	12	43	45	35	55	117	434	888	1,313	1,983	1,889	1,214	424
Europe, Western	104,143	66	237	244	187	314	734	3,355	9,073	14,058	23,827	26,571	18,556	6,919
Australasia	4,726	4	15	15	12	19	43	175	443	726	1,143	1,056	774	301
Asia Pacific, High Income	33,418	18	66	73	57	97	244	1,154	2,646	4,472	8,450	8,650	5,543	1,948
Europe, Eastern	30,797	24	83	82	76	165	380	1,344	3,206	5,588	6,662	7,572	4,455	1,158
Europe, Central	19,660	13	48	51	44	84	203	810	1,717	3,223	4,634	4,800	3,062	971
Asia, Central	7,345	18	61	61	51	83	160	506	1,058	1,373	1,336	1,537	876	225
Sub-Saharan Africa, West	21,420	132	423	364	236	320	620	1,872	3,012	3,604	4,863	3,798	1,702	472
Sub-Saharan Africa, Southern	5,644	19	68	66	49	76	159	499	813	1,037	1,332	976	428	122
Sub-Saharan Africa, East	21,081	134	443	387	249	336	642	1,920	2,987	3,495	4,590	3,646	1,753	500
Sub-Saharan Africa, Central	5,419	42	135	112	70	91	168	491	793	919	1,179	906	402	112
North Africa / Middle East	43,606	127	441	427	316	504	1,074	3,483	6,424	7,875	9,010	8,176	4,439	1,310
Asia, South	124,431	357	1,276	1,285	947	1,393	2,820	9,400	17,807	23,113	27,879	23,058	11,461	3,635
Oceania	596	3	10	9	6	8	17	57	96	115	136	92	37	10
Asia, Southeast	53,741	121	435	441	342	535	1,139	4,010	8,018	10,149	11,545	10,063	5,297	1,646
Asia, East	143,797	168	628	690	549	934	1,855	8,178	19,371	26,894	33,352	30,004	16,207	4,966
Latin America, Tropical	20,996	41	154	157	114	184	410	1,396	2,868	3,768	4,698	3,990	2,352	865
Latin America, Central	20,700	56	198	194	140	205	425	1,502	2,867	3,622	4,526	3,886	2,272	806
Latin America, Andean	4,942	13	48	48	35	52	105	360	662	828	1,095	977	535	182
Caribbean	4,271	8	30	31	23	35	70	250	561	692	939	899	531	203
Global Males	751,137	1,446	5,086	5,026	3,721	5,792	12,079	43,929	92,417	128,830	170,733	157,900	92,917	31,259
Female YLDs by age and GBD region, 2005 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	82,136	62	218	219	170	286	656	2,652	7,088	12,243	18,323	17,596	15,004	7,619
Latin America, Southern	10,092	12	43	44	33	52	113	427	903	1,384	2,154	2,342	1,818	767
Europe, Western	120,044	58	208	216	169	294	702	3,235	8,749	13,832	24,123	30,082	25,892	12,484
Australasia	5,071	4	13	14	11	18	41	176	447	726	1,128	1,101	932	459
Asia Pacific, High Income	38,270	17	63	70	54	90	227	1,108	2,572	4,402	8,567	9,839	7,715	3,545
Europe, Eastern	46,533	22	73	74	68	151	354	1,296	3,278	6,268	8,771	12,638	10,082	3,459
Europe, Central	24,585	13	45	49	41	79	194	784	1,683	3,298	5,202	6,389	4,965	1,843
Asia, Central	9,018	16	55	56	48	78	153	507	1,121	1,511	1,558	2,039	1,410	466
Sub-Saharan Africa, West	22,241	131	417	353	221	300	597	1,811	2,947	3,670	5,044	4,159	2,004	587
Sub-Saharan Africa, Southern	6,639	18	64	62	45	72	152	467	829	1,166	1,554	1,302	678	229
Sub-Saharan Africa, East	22,744	132	436	381	243	325	624	1,876	2,999	3,732	5,058	4,176	2,119	642
Sub-Saharan Africa, Central	5,882	39	126	105	64	85	162	480	784	950	1,304	1,087	535	161
North Africa / Middle East	43,204	124	429	409	295	470	1,010	3,188	5,885	7,337	9,045	8,596	4,909	1,507
Asia, South	120,787	319	1,130	1,119	806	1,241	2,610	8,767	16,226	21,156	27,433	24,021	12,098	3,859
Oceania	612	3	9	8	5	7	15	53	91	113	138	104	50	16
Asia, Southeast	58,398	115	411	412	313	499	1,095	3,957	7,909	10,075	12,501	11,974	6,853	2,285
Asia, East	142,284	136	512	568	465	842	1,738	7,741	17,835	24,336	31,824	30,591	18,912	6,784
Latin America, Tropical	23,686	39	147	151	111	181	406	1,431	2,988	4,014	5,208	4,753	3,050	1,209
Latin America, Central	22,456	50	180	178	131	200	426	1,538	2,950	3,749	4,731	4,356	2,853	1,114
Latin America, Andean	5,160	12	43	43	32	48	101	351	649	827	1,118	1,060	640	236
Caribbean	4,480	8	28	28	21	33	69	252	555	687	950	969	625	257
Global Females	814,321	1,328	4,649	4,559	3,347	5,354	11,444	42,097	88,488	125,477	175,733	179,174	123,144	49,525
Total YLDs by age and GBD region, 2005 - CKD Stage 5														
Global Total	1,565,458	2,774	9,736	9,585	7,068	11,146	23,523	86,027	180,905	254,308	346,466	337,074	216,062	80,784

Annex Table 16 - Male YLDs by age and GBD region, 2010 - CKD Stage 5														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	79,274	68	244	241	176	304	709	2,805	6,704	12,716	20,945	17,797	11,480	5,085
Latin America, Southern	9,324	13	46	45	34	55	121	463	956	1,460	2,247	2,086	1,303	497
Europe, Western	111,330	66	238	240	182	304	723	3,195	8,920	15,263	25,809	27,978	20,198	8,213
Australasia	5,247	5	17	16	12	19	45	178	443	776	1,322	1,238	817	358
Asia Pacific, High Income	36,398	17	63	67	56	94	218	1,037	2,779	4,472	8,853	9,575	6,613	2,554
Europe, Eastern	30,716	27	92	83	61	125	365	1,419	2,951	5,599	8,045	6,624	3,952	1,371
Europe, Central	20,703	15	51	51	40	73	191	835	1,805	3,082	5,455	4,677	3,273	1,156
Asia, Central	7,996	20	68	61	46	84	186	558	1,060	1,655	1,752	1,378	854	276
Sub-Saharan Africa, West	24,499	146	474	410	259	352	696	2,197	3,509	4,100	5,404	4,395	1,998	559
Sub-Saharan Africa, Southern	6,144	18	66	64	46	74	166	557	872	1,070	1,479	1,105	485	141
Sub-Saharan Africa, East	24,544	147	492	438	284	383	747	2,274	3,576	4,031	5,287	4,196	2,084	608
Sub-Saharan Africa, Central	6,309	46	151	129	80	104	198	580	933	1,080	1,358	1,048	472	132
North Africa / Middle East	50,947	132	462	440	316	505	1,147	4,146	7,449	9,344	11,488	8,665	5,235	1,618
Asia, South	141,725	369	1,306	1,274	909	1,397	3,016	10,500	19,826	26,429	33,462	25,661	13,263	4,313
Oceania	685	3	10	10	7	9	18	62	113	132	159	107	44	12
Asia, Southeast	62,439	135	484	479	335	526	1,170	4,315	8,856	12,139	14,503	11,220	6,274	2,002
Asia, East	163,484	159	583	623	522	923	2,178	7,455	21,263	28,741	43,135	32,856	19,013	6,033
Latin America, Tropical	23,907	37	139	151	112	171	397	1,532	3,008	4,367	5,704	4,599	2,643	1,048
Latin America, Central	24,170	54	195	194	139	216	447	1,583	3,217	4,281	5,583	4,572	2,690	1,000
Latin America, Andean	5,656	13	47	47	34	53	112	390	737	954	1,282	1,114	646	227
Caribbean	4,809	8	28	29	23	36	75	254	580	821	1,097	1,009	613	235
Global Males	840,304	1,498	5,254	5,091	3,672	5,808	12,922	46,336	99,555	142,511	204,369	171,901	103,949	37,439
Female YLDs by age and GBD region, 2010 - CKD Stage 5														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	87,819	60	217	219	165	289	667	2,667	6,563	12,827	21,608	19,767	14,772	7,999
Latin America, Southern	11,048	12	42	41	31	52	118	460	960	1,523	2,452	2,547	1,920	890
Europe, Western	126,288	61	217	218	163	281	693	3,120	8,579	14,938	26,373	31,120	26,661	13,865
Australasia	5,514	4	15	14	11	18	42	173	442	772	1,303	1,263	948	507
Asia Pacific, High Income	40,981	15	56	58	47	81	197	975	2,647	4,309	8,858	10,606	8,775	4,355
Europe, Eastern	46,266	25	84	76	55	116	347	1,401	3,042	6,343	10,508	11,611	8,793	3,863
Europe, Central	25,535	13	45	45	35	67	176	782	1,737	3,113	5,997	6,162	5,207	2,156
Asia, Central	9,770	19	65	57	42	78	178	559	1,114	1,811	2,076	1,894	1,345	533
Sub-Saharan Africa, West	25,335	138	450	387	242	334	675	2,136	3,389	4,120	5,655	4,787	2,333	690
Sub-Saharan Africa, Southern	7,314	17	62	62	46	74	163	513	816	1,203	1,783	1,501	806	269
Sub-Saharan Africa, East	26,185	138	461	413	269	371	733	2,230	3,464	4,151	5,814	4,821	2,540	780
Sub-Saharan Africa, Central	6,752	42	140	120	75	100	193	570	917	1,096	1,471	1,231	612	185
North Africa / Middle East	50,929	128	445	420	297	473	1,074	3,781	6,736	8,787	11,448	9,465	5,918	1,958
Asia, South	139,572	329	1,163	1,144	837	1,302	2,807	9,769	18,216	24,423	32,686	27,280	14,785	4,831
Oceania	710	3	9	8	6	8	16	58	106	129	165	123	60	19
Asia, Southeast	67,870	120	430	428	302	494	1,125	4,241	8,693	12,040	15,450	13,433	8,279	2,837
Asia, East	160,658	127	460	480	403	757	1,908	6,855	19,656	26,325	40,493	33,171	22,056	7,968
Latin America, Tropical	26,828	33	126	137	102	162	384	1,530	3,110	4,621	6,273	5,447	3,441	1,463
Latin America, Central	26,310	51	186	186	135	211	448	1,617	3,306	4,457	5,936	5,040	3,353	1,385
Latin America, Andean	5,925	12	43	42	30	48	105	375	723	956	1,317	1,210	769	293
Caribbean	5,083	8	27	28	21	34	73	251	578	828	1,118	1,084	727	306
Global Females	902,690	1,354	4,741	4,585	3,314	5,352	12,121	44,061	94,793	138,771	208,784	193,564	134,097	57,153
Total YLDs by age and GBD region, 2010 - CKD Stage 5														
Global Total	1,742,994	2,852	9,995	9,675	6,986	11,160	25,044	90,396	194,347	281,282	413,153	365,465	238,046	94,592

Annex Table 17 - Male YLDs by age and GBD region, 1990 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	95,266	14	111	257	479	1,233	2,630	10,279	14,374	15,971	20,096	19,282	8,356	2,184
Latin America, Southern	14,134	3	22	71	162	326	543	1,571	1,857	2,248	3,165	2,761	1,134	271
Europe, Western	45,180	0	68	158	311	818	1,703	5,456	7,096	8,234	9,544	7,401	3,435	955
Australasia	2,640	1	2	6	14	35	73	269	429	601	625	421	132	33
Asia Pacific, High Income	72,806	10	93	270	617	1,548	2,738	8,172	11,990	14,622	15,971	10,596	4,855	1,324
Europe, Eastern	22,829	4	27	76	156	349	646	2,512	3,240	4,349	6,330	3,445	1,388	307
Europe, Central	13,358	2	22	61	128	276	488	1,595	2,208	2,469	3,085	1,960	842	219
Asia, Central	2,988	0	10	26	50	105	180	537	475	536	628	293	116	33
Sub-Saharan Africa, West	318	0	4	4	6	14	24	57	49	57	54	34	12	3
Sub-Saharan Africa, Southern	250	0	2	2	3	9	16	40	38	43	49	35	11	2
Sub-Saharan Africa, East	342	0	5	5	6	15	27	61	50	56	59	40	15	3
Sub-Saharan Africa, Central	98	0	2	1	2	4	7	17	15	17	17	11	4	1
North Africa / Middle East	26,248	22	136	343	625	1,209	1,964	4,947	4,702	4,220	4,290	2,645	928	218
Asia, South	55,258	33	180	407	794	1,717	3,028	8,197	8,634	9,967	11,337	7,821	2,589	553
Oceania	382	0	2	4	8	17	27	69	69	70	65	37	10	2
Asia, Southeast	79,895	19	162	460	987	2,422	4,503	12,844	13,283	14,975	15,857	10,101	3,519	764
Asia, East	478,066	117	706	1,256	1,970	5,205	10,997	44,848	78,918	96,045	116,108	82,327	31,948	7,620
Latin America, Tropical	10,407	0	35	107	207	405	685	1,840	1,833	1,832	1,789	1,156	420	98
Latin America, Central	18,064	0	63	179	359	755	1,237	3,019	2,939	2,972	3,186	2,271	864	219
Latin America, Andean	2,679	1	9	23	45	97	164	422	432	472	513	348	126	28
Caribbean	2,780	0	7	18	36	87	160	414	408	479	534	414	178	44
Global Males	943,985	226	1,667	3,736	6,967	16,645	31,840	107,166	153,039	180,235	213,302	153,400	60,882	14,880
Female YLDs by age and GBD region, 1990 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	78,769	10	73	151	269	738	1,663	6,877	10,002	11,495	16,127	18,298	9,846	3,220
Latin America, Southern	10,833	3	21	52	98	212	375	1,112	1,371	1,829	2,425	2,120	969	248
Europe, Western	49,121	12	47	99	196	553	1,259	4,377	6,271	8,517	10,618	9,709	5,630	1,833
Australasia	2,281	0	2	5	10	31	67	235	332	435	521	438	159	46
Asia Pacific, High Income	53,292	7	55	163	370	942	1,683	5,074	7,503	9,629	11,452	9,645	5,165	1,605
Europe, Eastern	22,796	3	18	48	99	224	413	1,621	2,180	3,290	5,935	5,237	2,953	775
Europe, Central	11,831	2	15	39	84	188	341	1,144	1,656	2,063	2,824	2,122	1,058	297
Asia, Central	2,708	1	8	19	37	77	137	416	371	436	570	392	191	54
Sub-Saharan Africa, West	245	0	4	3	4	10	18	43	36	42	42	29	11	3
Sub-Saharan Africa, Southern	201	0	2	2	2	6	12	30	26	32	39	33	13	3
Sub-Saharan Africa, East	338	0	5	5	6	13	25	58	48	55	60	42	17	4
Sub-Saharan Africa, Central	68	0	1	1	1	3	5	11	9	11	12	9	4	1
North Africa / Middle East	24,859	19	118	288	528	1,080	1,809	4,557	4,218	4,056	4,227	2,706	1,010	243
Asia, South	37,305	0	113	282	554	1,178	2,024	5,240	5,522	6,599	7,791	5,620	1,956	426
Oceania	304	0	1	3	6	13	20	52	54	56	52	34	11	2
Asia, Southeast	59,743	16	120	311	649	1,648	3,140	9,055	9,428	10,658	12,060	8,516	3,347	795
Asia, East	349,316	84	512	894	1,389	3,335	6,609	28,039	52,477	64,860	82,344	67,996	31,890	8,887
Latin America, Tropical	7,494	0	21	62	123	261	454	1,218	1,234	1,283	1,368	976	397	98
Latin America, Central	13,702	9	47	118	233	520	877	2,099	2,011	2,118	2,573	2,014	850	232
Latin America, Andean	2,125	1	6	16	33	71	120	312	325	370	414	303	124	29
Caribbean	2,150	0	5	13	27	63	116	307	307	356	414	341	159	42
Global Females	729,482	167	1,194	2,573	4,718	11,164	21,167	71,877	105,382	128,191	161,867	136,578	65,760	18,843
Total YLDs by age and GBD region, 1990 - Dialysis														
Global Total	1,673,467	393	2,861	6,309	11,684	27,809	53,007	179,042	258,421	308,426	375,169	289,978	126,642	33,723

Annex Table 17 - Male YLDs by age and GBD region, 2005 - Dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	149,001	17	151	289	437	1,129	2,418	9,345	18,109	28,513	34,967	29,984	17,962	5,679
Latin America, Southern	16,270	4	33	72	127	260	459	1,534	2,190	2,891	3,395	3,113	1,713	481
Europe, Western	142,331	43	155	340	666	1,517	3,130	10,585	15,705	22,535	30,573	31,944	18,835	6,303
Australasia	6,734	1	4	11	26	53	96	385	791	1,291	1,666	1,410	802	199
Asia Pacific, High Income	102,075	3	25	54	93	250	619	3,629	8,286	17,379	28,070	26,516	13,663	3,488
Europe, Eastern	12,936	2	13	28	83	295	609	1,714	2,436	3,606	2,177	1,364	510	102
Europe, Central	24,685	2	19	58	144	355	672	2,124	2,797	4,680	5,377	5,149	2,642	666
Asia, Central	3,735	1	8	21	53	126	207	530	663	751	557	549	226	43
Sub-Saharan Africa, West	326	0	4	4	6	16	28	65	50	53	51	33	13	3
Sub-Saharan Africa, Southern	290	0	2	2	3	9	18	45	40	51	58	42	15	3
Sub-Saharan Africa, East	500	0	7	7	9	22	41	95	75	80	80	56	23	5
Sub-Saharan Africa, Central	133	0	2	2	3	7	11	25	21	22	21	13	5	1
North Africa / Middle East	70,012	22	140	353	751	1,883	3,562	10,163	12,126	13,181	12,374	10,295	4,240	921
Asia, South	39,213	0	103	241	472	1,106	2,017	5,833	7,093	8,064	7,201	4,932	1,750	401
Oceania	550	0	2	6	10	21	37	103	104	107	90	51	14	3
Asia, Southeast	144,585	11	115	418	1,116	3,045	6,010	19,032	26,122	31,859	27,476	19,975	7,664	1,742
Asia, East	623,919	74	444	1,004	1,867	4,449	8,148	46,038	93,323	122,411	147,357	130,754	55,129	12,921
Latin America, Tropical	17,702	4	37	102	211	504	943	2,463	2,991	3,443	3,326	2,401	1,008	270
Latin America, Central	29,958	12	82	207	411	893	1,562	4,304	4,989	5,607	5,614	4,150	1,700	428
Latin America, Andean	4,253	2	10	26	55	128	229	634	708	782	799	599	227	55
Caribbean	3,070	1	6	18	38	87	148	411	538	563	569	451	188	52
Global Males	1,392,279	199	1,361	3,263	6,581	16,154	30,965	119,058	199,158	267,869	311,798	273,780	128,328	33,766
Female YLDs by age and GBD region, 2005 - Dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	135,603	17	121	198	309	845	1,844	7,319	14,405	22,664	29,796	29,115	20,905	8,066
Latin America, Southern	14,188	2	16	41	87	199	368	1,231	1,748	2,391	2,832	2,838	1,840	596
Europe, Western	137,565	25	97	241	550	1,318	2,635	8,587	12,682	19,301	27,034	31,878	23,555	9,661
Australasia	4,740	0	3	9	20	39	70	286	562	839	1,105	1,024	602	180
Asia Pacific, High Income	86,055	3	17	39	75	192	459	2,653	5,999	12,929	21,796	23,079	14,212	4,601
Europe, Eastern	13,934	4	10	24	75	221	423	1,240	1,941	3,238	2,606	2,437	1,353	362
Europe, Central	23,983	2	15	44	107	256	480	1,564	2,184	3,915	4,978	5,769	3,623	1,047
Asia, Central	3,329	1	6	15	37	91	153	411	547	664	508	551	277	67
Sub-Saharan Africa, West	316	0	4	4	6	14	27	61	46	53	51	33	13	3
Sub-Saharan Africa, Southern	261	0	2	2	3	7	15	35	31	45	54	45	19	4
Sub-Saharan Africa, East	451	2	9	7	8	18	34	78	61	72	76	55	24	6
Sub-Saharan Africa, Central	98	1	3	2	2	4	8	17	14	15	16	11	5	1
North Africa / Middle East	51,840	16	113	257	529	1,331	2,520	6,872	8,140	9,321	9,588	8,557	3,755	840
Asia, South	28,760	1	75	163	319	777	1,448	4,127	4,881	5,542	5,416	4,113	1,540	357
Oceania	426	0	2	4	7	15	27	74	77	82	73	46	16	4
Asia, Southeast	103,138	7	91	282	701	1,806	3,564	12,098	17,427	20,985	20,355	17,068	7,100	1,654
Asia, East	469,193	50	284	643	1,224	2,859	5,212	30,703	64,438	84,051	105,590	106,700	53,471	13,969
Latin America, Tropical	15,663	4	24	64	133	338	662	1,855	2,430	3,015	3,120	2,507	1,174	337
Latin America, Central	23,063	9	47	125	262	608	1,108	3,085	3,649	4,211	4,295	3,516	1,677	471
Latin America, Andean	3,498	1	7	19	41	95	172	479	545	638	669	539	231	61
Caribbean	2,649	0	5	14	30	66	114	334	459	483	491	414	185	54
Global Females	1,118,753	146	950	2,199	4,525	11,100	21,343	83,111	142,267	194,453	240,449	240,295	135,576	42,340
Total YLDs by age and GBD region, 2005 - Dialysis														
Global Total	2,511,033	345	2,311	5,462	11,106	27,254	52,308	202,169	341,424	462,322	552,247	514,075	263,904	76,106

Annex Table 17 - Male YLDs by age and GBD region, 2010 - dialysis														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	161,733	18	156	298	424	1,133	2,470	9,627	17,089	30,111	41,464	34,256	18,389	6,298
Latin America, Southern	17,084	4	33	71	123	262	475	1,599	2,237	3,041	3,686	3,278	1,745	532
Europe, Western	159,632	50	177	367	683	1,552	3,297	10,787	16,275	26,087	35,329	35,479	21,621	7,927
Australasia	7,598	1	4	11	26	57	105	405	814	1,422	1,964	1,677	871	242
Asia Pacific, High Income	107,308	3	22	46	88	243	566	3,280	8,516	16,806	28,701	28,747	15,867	4,421
Europe, Eastern	13,419	3	14	27	63	225	601	1,871	2,291	3,650	2,749	1,269	518	138
Europe, Central	26,261	2	19	53	125	313	660	2,262	2,999	4,531	6,481	5,147	2,879	790
Asia, Central	4,519	1	9	22	49	134	260	639	733	1,023	824	530	238	56
Sub-Saharan Africa, West	387	0	4	5	7	18	32	77	61	64	60	40	16	4
Sub-Saharan Africa, Southern	379	1	2	3	4	11	24	63	53	63	75	56	20	4
Sub-Saharan Africa, East	616	2	10	9	12	26	49	115	93	98	99	68	28	7
Sub-Saharan Africa, Central	129	0	2	2	3	6	11	25	20	22	20	12	5	1
North Africa / Middle East	87,481	30	169	410	822	2,047	4,140	12,928	14,797	16,690	17,081	11,775	5,368	1,224
Asia, South	45,046	19	110	241	487	1,170	2,188	6,536	7,873	9,117	8,883	5,761	2,155	507
Oceania	642	0	2	6	12	24	41	115	124	126	109	60	17	4
Asia, Southeast	145,957	11	103	372	938	2,644	5,396	18,067	25,461	32,847	30,472	19,758	8,049	1,841
Asia, East	723,568	73	442	951	1,798	4,313	9,523	41,871	104,694	135,972	193,799	146,768	67,347	16,018
Latin America, Tropical	19,166	4	31	90	193	449	868	2,564	2,984	3,814	3,986	2,748	1,113	322
Latin America, Central	33,541	13	76	198	397	930	1,626	4,462	5,489	6,519	6,669	4,670	1,960	531
Latin America, Andean	4,974	2	11	30	61	134	240	693	820	935	975	715	288	71
Caribbean	3,722	1	7	20	43	95	171	456	613	736	728	551	235	66
Global Males	1,563,162	236	1,405	3,232	6,359	15,788	32,741	118,444	214,036	293,674	384,153	303,365	148,727	41,002
Female YLDs by age and GBD region, 2010 - dialysis														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	131,382	15	111	181	266	739	1,634	6,464	11,757	21,267	32,139	30,162	18,953	7,694
Latin America, Southern	14,917	2	16	39	82	202	387	1,306	1,829	2,517	3,067	2,942	1,861	668
Europe, Western	132,414	24	83	213	498	1,173	2,372	7,606	11,499	19,164	27,047	30,408	22,510	9,816
Australasia	5,629	1	4	10	21	43	77	307	606	968	1,406	1,303	664	220
Asia Pacific, High Income	98,339	3	18	39	80	208	462	2,614	6,804	13,859	24,167	26,420	17,449	6,218
Europe, Eastern	11,891	5	10	23	58	162	394	1,282	1,745	3,185	2,659	1,459	693	216
Europe, Central	25,053	2	15	40	94	224	457	1,621	2,298	3,717	5,827	5,643	3,858	1,257
Asia, Central	3,571	1	6	14	31	87	172	441	532	771	672	508	263	73
Sub-Saharan Africa, West	328	0	4	4	6	14	27	63	49	54	53	36	15	4
Sub-Saharan Africa, Southern	273	0	2	2	2	7	15	36	30	43	58	51	22	5
Sub-Saharan Africa, East	450	3	11	9	9	18	34	78	60	68	74	55	25	6
Sub-Saharan Africa, Central	110	0	2	2	2	5	9	20	16	18	17	12	5	1
North Africa / Middle East	65,500	19	125	292	587	1,434	2,867	8,861	10,244	12,036	13,018	10,039	4,820	1,157
Asia, South	29,428	5	69	149	300	746	1,421	4,125	4,884	5,731	5,822	4,138	1,647	391
Oceania	438	0	2	4	7	15	26	74	80	84	77	48	17	4
Asia, Southeast	127,683	7	101	311	733	2,011	4,090	14,229	20,857	27,342	26,897	20,017	8,922	2,165
Asia, East	551,516	45	299	611	1,160	2,847	6,484	29,238	74,959	96,939	140,795	117,507	63,255	17,376
Latin America, Tropical	16,149	3	21	61	131	304	595	1,804	2,251	3,154	3,521	2,700	1,228	377
Latin America, Central	25,418	10	46	121	241	588	1,102	3,092	3,872	4,798	5,173	3,912	1,895	568
Latin America, Andean	3,791	1	7	20	42	98	175	494	585	695	751	589	263	71
Caribbean	2,889	1	5	13	28	65	122	334	450	565	569	457	216	65
Global Females	1,247,168	147	958	2,156	4,381	10,991	22,921	84,088	155,407	216,973	293,810	258,406	148,579	48,351
Total YLDs by age and GBD region, 2010 - dialysis														
Global Total	2,810,329	384	2,363	5,388	10,739	26,779	55,662	202,532	369,443	510,647	677,964	561,771	297,307	89,353

Annex Table 18 - Male YLDs by age and GBD region, 1990 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	1,298	0	2	9	18	30	58	236	345	320	203	69	7	1
Latin America, Southern	40	0	0	0	1	1	2	8	10	8	6	2	0	0
Europe, Western	1,727	0	1	7	17	36	75	279	403	435	335	123	15	1
Australasia	69	0	0	0	1	1	3	13	19	16	11	4	0	0
Asia Pacific, High Income	245	0	0	1	3	7	12	39	61	61	44	15	2	0
Europe, Eastern	101	0	0	1	2	3	6	21	24	21	18	4	0	0
Europe, Central	181	0	0	1	3	5	9	33	45	37	34	11	1	0
Asia, Central	4	0	0	0	0	0	0	1	1	1	1	0	0	0
Sub-Saharan Africa, West	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, East	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	280	0	1	4	7	11	18	55	65	60	44	13	1	0
Asia, South	32	0	0	1	1	2	3	8	7	5	3	1	0	0
Oceania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	197	0	0	2	5	9	17	53	48	36	20	6	1	0
Asia, East	468	0	1	4	10	21	39	107	119	85	61	19	2	0
Latin America, Tropical	84	0	0	1	3	4	7	20	19	15	10	3	0	0
Latin America, Central	117	0	0	2	5	8	12	28	26	19	12	4	0	0
Latin America, Andean	14	0	0	0	0	1	1	3	3	3	2	1	0	0
Caribbean	5	0	0	0	0	0	0	1	1	1	1	0	0	0
Global Males	4,865	0	7	35	76	141	264	907	1,197	1,125	804	275	31	3
Female YLDs by age and GBD region, 1990 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	1,023	0	2	6	12	20	40	185	282	242	160	64	9	1
Latin America, Southern	29	0	0	0	1	1	2	6	7	6	4	2	0	0
Europe, Western	1,481	0	1	5	12	26	55	231	360	368	279	122	21	2
Australasia	46	0	0	0	1	1	2	8	12	10	8	4	0	0
Asia Pacific, High Income	171	0	0	1	2	4	7	25	44	44	31	12	2	0
Europe, Eastern	106	0	0	1	1	2	4	20	28	24	18	6	1	0
Europe, Central	158	0	0	1	2	4	7	27	42	34	29	11	2	0
Asia, Central	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, West	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, East	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	199	0	1	3	5	8	12	40	46	43	31	10	1	0
Asia, South	20	0	0	0	1	1	2	5	5	4	2	1	0	0
Oceania	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	136	0	0	1	3	6	11	38	35	24	14	4	1	0
Asia, East	300	0	0	3	6	13	24	66	77	55	40	14	2	0
Latin America, Tropical	66	0	0	1	2	3	5	16	17	12	7	2	0	0
Latin America, Central	96	0	0	1	3	5	8	24	24	16	10	3	0	0
Latin America, Andean	10	0	0	0	0	0	1	2	2	2	1	0	0	0
Caribbean	4	0	0	0	0	0	0	1	1	1	0	0	0	0
Global Females	3,850	0	5	23	51	94	180	697	982	884	635	257	38	4
Total YLDs by age and GBD region, 1990 - Transplantation														
Global Total	8,715	0	12	58	127	235	443	1,603	2,180	2,009	1,439	532	69	7

Annex Table 18 - Male YLDs by age and GBD region, 2005 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	2,933	0	4	17	33	54	90	306	563	776	701	329	57	4
Latin America, Southern	130	0	0	1	2	3	6	24	32	32	22	8	1	0
Europe, Western	2,884	0	2	12	31	61	111	443	692	658	574	262	36	3
Australasia	151	0	0	1	1	2	4	16	30	41	36	16	3	0
Asia Pacific, High Income	446	0	0	1	2	5	10	49	92	127	111	42	5	0
Europe, Eastern	136	0	0	1	2	5	9	21	31	38	21	8	1	0
Europe, Central	414	0	0	2	4	10	19	71	93	110	73	28	4	0
Asia, Central	7	0	0	0	0	0	1	1	2	1	1	0	0	0
Sub-Saharan Africa, West	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	4	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, East	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	747	0	1	7	16	28	50	150	190	179	91	31	3	0
Asia, South	72	0	0	1	3	4	7	17	17	13	8	2	0	0
Oceania	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	401	0	0	3	8	14	25	76	98	99	57	18	2	0
Asia, East	1,049	0	1	6	16	31	51	199	298	257	139	46	5	0
Latin America, Tropical	231	0	0	2	5	9	16	45	57	55	31	10	1	0
Latin America, Central	324	0	1	4	9	16	26	71	81	68	36	11	1	0
Latin America, Andean	31	0	0	0	1	1	2	7	8	6	4	1	0	0
Caribbean	12	0	0	0	0	1	1	3	3	2	1	1	0	0
Global Males	9,974	0	11	57	133	244	427	1,500	2,289	2,464	1,907	813	119	9
Female YLDs by age and GBD region, 2005 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	2,319	0	3	12	23	37	60	227	445	600	561	287	59	4
Latin America, Southern	106	0	0	1	1	2	4	18	28	29	17	6	1	0
Europe, Western	2,258	0	1	8	20	39	75	336	584	547	412	196	36	4
Australasia	103	0	0	0	1	2	3	11	20	27	23	12	3	0
Asia Pacific, High Income	373	0	0	1	2	4	9	45	82	104	87	34	5	1
Europe, Eastern	147	0	0	0	2	4	7	23	35	40	23	11	1	0
Europe, Central	314	0	0	1	3	6	11	48	75	90	53	23	4	0
Asia, Central	6	0	0	0	0	0	0	1	1	1	1	0	0	0
Sub-Saharan Africa, West	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, East	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	551	0	1	5	11	20	36	114	142	125	70	26	3	0
Asia, South	50	0	0	1	2	3	4	11	12	10	5	2	0	0
Oceania	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	304	0	0	2	5	9	17	61	82	74	39	13	2	0
Asia, East	779	0	1	3	10	20	34	149	237	193	96	32	4	0
Latin America, Tropical	197	0	0	1	3	6	11	40	55	46	25	8	1	0
Latin America, Central	295	0	0	2	6	10	18	63	84	68	31	10	1	0
Latin America, Andean	23	0	0	0	1	1	2	5	6	5	3	1	0	0
Caribbean	8	0	0	0	0	0	1	2	2	2	1	0	0	0
Global Females	7,836	0	8	38	88	162	292	1,156	1,892	1,961	1,446	661	121	11
Total YLDs by age and GBD region, 2005 - Transplantation														
Global Total	17,811	0	19	95	221	407	719	2,656	4,181	4,425	3,353	1,474	241	20

Annex Table 18 - Male YLDs by age and GBD region, 2010 - Transplantation														
GBD Region	Males	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	3,766	0	5	21	39	64	109	381	644	976	985	463	73	5
Latin America, Southern	165	0	0	1	2	4	8	30	41	41	29	10	1	0
Europe, Western	3,598	0	3	15	37	73	135	517	815	862	749	338	49	5
Australasia	174	0	0	1	1	2	4	17	32	47	44	21	4	0
Asia Pacific, High Income	588	0	0	1	3	6	12	57	125	166	150	59	8	1
Europe, Eastern	169	0	0	1	2	4	11	28	36	47	31	8	1	0
Europe, Central	469	0	0	2	4	9	20	81	107	114	96	31	4	0
Asia, Central	9	0	0	0	0	1	1	2	2	2	1	0	0	0
Sub-Saharan Africa, West	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	4	0	0	0	0	0	0	1	1	1	1	0	0	0
Sub-Saharan Africa, East	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	1	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	1,103	0	2	8	19	35	67	229	280	265	151	43	5	0
Asia, South	98	0	0	1	3	5	9	24	23	18	11	3	0	0
Oceania	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	550	0	1	4	9	18	32	101	132	139	87	25	3	0
Asia, East	1,324	0	1	6	17	35	70	218	386	325	203	55	6	1
Latin America, Tropical	288	0	0	2	5	10	18	57	69	70	42	12	1	0
Latin America, Central	430	0	1	4	11	19	32	91	106	93	54	16	2	0
Latin America, Andean	41	0	0	0	1	2	3	9	10	9	5	2	0	0
Caribbean	15	0	0	0	0	1	1	3	4	3	2	1	0	0
Global Males	12,795	0	14	68	155	288	532	1,848	2,814	3,179	2,641	1,088	157	13
Female YLDs by age and GBD region, 2010 - Transplantation														
GBD Region	Females	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85+ years
North America, High Income	3,055	0	4	15	27	45	77	290	516	779	815	406	73	6
Latin America, Southern	130	0	0	1	1	3	5	22	33	35	21	8	1	0
Europe, Western	2,838	0	2	9	22	44	85	371	665	726	590	270	48	5
Australasia	132	0	0	1	1	2	4	13	24	34	32	16	4	0
Asia Pacific, High Income	420	0	0	1	2	4	8	44	95	117	99	42	7	1
Europe, Eastern	182	0	0	1	2	4	9	32	41	49	33	11	1	0
Europe, Central	419	0	0	1	3	6	13	64	102	112	83	29	5	1
Asia, Central	8	0	0	0	0	0	1	2	2	2	1	0	0	0
Sub-Saharan Africa, West	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Southern	3	0	0	0	0	0	0	1	1	1	0	0	0	0
Sub-Saharan Africa, East	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Saharan Africa, Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Africa / Middle East	763	0	1	6	12	23	45	159	194	179	106	34	5	0
Asia, South	69	0	0	1	2	3	6	16	17	14	8	3	0	0
Oceania	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia, Southeast	405	0	0	2	6	11	21	78	107	103	57	17	2	0
Asia, East	951	0	1	3	10	20	42	152	296	243	138	39	5	1
Latin America, Tropical	253	0	0	1	4	7	13	51	69	63	34	11	1	0
Latin America, Central	395	0	0	3	7	13	22	79	112	95	47	13	2	0
Latin America, Andean	31	0	0	0	1	1	2	7	8	7	4	1	0	0
Caribbean	11	0	0	0	0	0	1	2	3	2	1	0	0	0
Global Females	10,067	0	10	45	100	187	354	1,382	2,286	2,560	2,072	903	154	15
Total YLDs by age and GBD region, 2010 - Transplantation														
Global Total	22,862	0	23	113	255	475	886	3,230	5,099	5,738	4,713	1,991	311	28

Annex Table 19 - Male etiology proportions by age and GBD region, 1990 - Diabetes mellitus																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.000	0.001	0.002	0.073	0.144	0.216	0.287	0.359	0.410	0.461	0.511	0.560	0.486	0.410	0.332	0.252
Latin America, Southern	0.000	0.000	0.000	0.000	0.001	0.025	0.049	0.071	0.093	0.115	0.136	0.156	0.177	0.197	0.173	0.149	0.124	0.100
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.033	0.065	0.094	0.122	0.148	0.181	0.211	0.236	0.262	0.226	0.191	0.160	0.127
Australasia	0.000	0.000	0.000	0.001	0.002	0.042	0.082	0.117	0.153	0.188	0.225	0.262	0.299	0.336	0.293	0.251	0.208	0.165
Asia Pacific, High Income	0.000	0.000	0.000	0.001	0.002	0.059	0.114	0.166	0.220	0.274	0.328	0.382	0.436	0.491	0.430	0.369	0.307	0.245
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.021	0.042	0.059	0.077	0.095	0.112	0.130	0.148	0.166	0.145	0.125	0.104	0.084
Europe, Central	0.000	0.000	0.000	0.001	0.001	0.039	0.076	0.110	0.145	0.179	0.210	0.241	0.272	0.303	0.266	0.229	0.191	0.154
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.029	0.057	0.083	0.109	0.135	0.159	0.184	0.208	0.232	0.203	0.174	0.145	0.116
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.001	0.040	0.078	0.111	0.144	0.177	0.212	0.248	0.284	0.320	0.279	0.239	0.198	0.158
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.001	0.040	0.078	0.113	0.147	0.181	0.216	0.251	0.286	0.320	0.280	0.240	0.200	0.160
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.001	0.039	0.076	0.111	0.145	0.180	0.212	0.243	0.275	0.307	0.270	0.232	0.195	0.157
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.110	0.144	0.177	0.211	0.245	0.279	0.313	0.274	0.235	0.196	0.157
North Africa / Middle East	0.000	0.000	0.000	0.001	0.001	0.043	0.085	0.123	0.161	0.200	0.236	0.272	0.308	0.344	0.303	0.261	0.219	0.177
Asia, South	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.112	0.147	0.182	0.216	0.250	0.285	0.319	0.280	0.241	0.202	0.164
Oceania	0.000	0.000	0.000	0.001	0.001	0.041	0.080	0.113	0.146	0.179	0.215	0.252	0.288	0.324	0.282	0.240	0.199	0.157
Asia, Southeast	0.000	0.000	0.000	0.001	0.001	0.042	0.082	0.118	0.154	0.189	0.225	0.262	0.298	0.334	0.292	0.251	0.209	0.168
Asia, East	0.000	0.000	0.000	0.001	0.001	0.037	0.073	0.105	0.137	0.169	0.203	0.238	0.272	0.306	0.266	0.226	0.186	0.146
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.046	0.091	0.131	0.172	0.212	0.251	0.289	0.327	0.365	0.320	0.275	0.230	0.185
Latin America, Central	0.000	0.000	0.000	0.001	0.002	0.047	0.093	0.133	0.174	0.214	0.255	0.295	0.335	0.375	0.328	0.281	0.234	0.186
Latin America, Andean	0.000	0.000	0.000	0.001	0.001	0.046	0.090	0.130	0.170	0.210	0.248	0.286	0.324	0.361	0.317	0.273	0.229	0.184
Caribbean	0.000	0.000	0.000	0.001	0.001	0.045	0.088	0.127	0.165	0.204	0.243	0.282	0.321	0.359	0.314	0.268	0.222	0.176
Female etiology proportions by age and GBD region, 1990 - Diabetes mellitus																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.001	0.002	0.003	0.092	0.181	0.248	0.314	0.381	0.457	0.531	0.602	0.669	0.587	0.498	0.405	0.311
Latin America, Southern	0.000	0.000	0.000	0.001	0.001	0.028	0.056	0.079	0.102	0.126	0.151	0.177	0.202	0.228	0.199	0.170	0.141	0.112
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.037	0.074	0.106	0.139	0.169	0.206	0.240	0.268	0.301	0.265	0.225	0.189	0.149
Australasia	0.000	0.000	0.000	0.001	0.001	0.049	0.096	0.139	0.181	0.224	0.266	0.307	0.348	0.390	0.341	0.293	0.244	0.196
Asia Pacific, High Income	0.000	0.000	0.000	0.001	0.002	0.069	0.134	0.191	0.251	0.310	0.368	0.426	0.484	0.541	0.476	0.408	0.339	0.270
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.024	0.048	0.069	0.090	0.111	0.132	0.153	0.174	0.195	0.171	0.147	0.123	0.098
Europe, Central	0.000	0.000	0.000	0.001	0.002	0.044	0.085	0.122	0.158	0.194	0.235	0.275	0.316	0.356	0.311	0.266	0.221	0.175
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.032	0.062	0.091	0.119	0.148	0.177	0.207	0.237	0.266	0.232	0.198	0.164	0.131
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.002	0.046	0.091	0.128	0.165	0.202	0.241	0.280	0.319	0.358	0.313	0.268	0.223	0.178
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.001	0.046	0.091	0.132	0.172	0.213	0.251	0.290	0.328	0.367	0.322	0.276	0.231	0.186
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.002	0.045	0.088	0.126	0.164	0.201	0.238	0.275	0.311	0.348	0.306	0.263	0.221	0.178
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.001	0.044	0.087	0.126	0.165	0.204	0.244	0.284	0.324	0.363	0.317	0.271	0.224	0.178
North Africa / Middle East	0.000	0.000	0.000	0.001	0.002	0.050	0.098	0.141	0.184	0.227	0.271	0.315	0.359	0.403	0.352	0.302	0.251	0.200
Asia, South	0.000	0.000	0.000	0.001	0.001	0.044	0.087	0.125	0.163	0.201	0.241	0.281	0.321	0.360	0.317	0.272	0.228	0.183
Oceania	0.000	0.000	0.000	0.001	0.002	0.046	0.091	0.130	0.169	0.208	0.248	0.288	0.328	0.367	0.321	0.274	0.228	0.182
Asia, Southeast	0.000	0.000	0.000	0.001	0.002	0.049	0.096	0.135	0.175	0.215	0.257	0.299	0.341	0.384	0.337	0.291	0.245	0.198
Asia, East	0.000	0.000	0.000	0.001	0.001	0.043	0.085	0.125	0.165	0.205	0.243	0.281	0.319	0.357	0.312	0.268	0.223	0.178
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.051	0.099	0.143	0.186	0.229	0.273	0.317	0.361	0.405	0.354	0.303	0.252	0.201
Latin America, Central	0.000	0.000	0.000	0.001	0.002	0.051	0.099	0.146	0.192	0.238	0.283	0.327	0.372	0.416	0.363	0.311	0.258	0.205
Latin America, Andean	0.000	0.000	0.000	0.001	0.002	0.051	0.100	0.146	0.192	0.239	0.281	0.323	0.365	0.407	0.358	0.308	0.257	0.207
Caribbean	0.000	0.000	0.000	0.001	0.002	0.052	0.101	0.145	0.188	0.231	0.276	0.321	0.366	0.411	0.359	0.307	0.254	0.202

Annex Table 19 - Male etiology proportions by age and GBD region, 2005 - Diabetes mellitus

GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.000	0.002	0.003	0.062	0.122	0.210	0.298	0.386	0.442	0.498	0.552	0.603	0.527	0.443	0.358	0.272
Latin America, Southern	0.000	0.000	0.000	0.000	0.001	0.024	0.048	0.070	0.091	0.113	0.133	0.154	0.174	0.195	0.171	0.147	0.122	0.098
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.031	0.060	0.086	0.114	0.141	0.173	0.205	0.235	0.270	0.239	0.199	0.165	0.129
Australasia	0.000	0.000	0.000	0.001	0.001	0.041	0.080	0.117	0.154	0.190	0.226	0.262	0.298	0.334	0.290	0.247	0.204	0.160
Asia Pacific, High Income	0.000	0.000	0.000	0.001	0.002	0.061	0.120	0.169	0.218	0.266	0.320	0.378	0.435	0.490	0.431	0.370	0.308	0.246
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.021	0.040	0.060	0.079	0.099	0.114	0.130	0.146	0.162	0.142	0.122	0.102	0.082
Europe, Central	0.000	0.000	0.000	0.001	0.001	0.038	0.074	0.108	0.141	0.175	0.208	0.242	0.275	0.309	0.270	0.232	0.193	0.155
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.028	0.055	0.081	0.107	0.132	0.156	0.180	0.204	0.228	0.201	0.173	0.145	0.118
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.110	0.142	0.175	0.209	0.242	0.276	0.310	0.270	0.231	0.192	0.152
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.111	0.146	0.181	0.214	0.248	0.281	0.314	0.275	0.236	0.197	0.158
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.110	0.142	0.175	0.207	0.240	0.272	0.304	0.266	0.229	0.191	0.153
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.002	0.040	0.078	0.112	0.146	0.180	0.215	0.251	0.286	0.322	0.281	0.240	0.199	0.159
North Africa / Middle East	0.000	0.000	0.000	0.001	0.002	0.044	0.086	0.126	0.165	0.204	0.242	0.280	0.318	0.355	0.311	0.266	0.222	0.178
Asia, South	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.110	0.143	0.177	0.209	0.242	0.275	0.309	0.270	0.231	0.192	0.153
Oceania	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.111	0.146	0.180	0.214	0.247	0.280	0.314	0.276	0.238	0.200	0.162
Asia, Southeast	0.000	0.000	0.000	0.001	0.001	0.040	0.079	0.113	0.148	0.182	0.228	0.273	0.319	0.365	0.319	0.272	0.226	0.179
Asia, East	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.109	0.141	0.173	0.205	0.237	0.270	0.302	0.265	0.228	0.191	0.154
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.046	0.091	0.130	0.168	0.207	0.246	0.285	0.325	0.364	0.319	0.274	0.229	0.184
Latin America, Central	0.000	0.000	0.000	0.001	0.001	0.047	0.092	0.129	0.166	0.203	0.245	0.286	0.327	0.367	0.321	0.275	0.228	0.182
Latin America, Andean	0.000	0.000	0.000	0.001	0.002	0.045	0.089	0.127	0.165	0.204	0.242	0.281	0.320	0.359	0.314	0.268	0.223	0.178
Caribbean	0.000	0.000	0.000	0.001	0.002	0.044	0.087	0.126	0.165	0.204	0.245	0.287	0.329	0.371	0.323	0.274	0.226	0.177

Female etiology proportions by age and GBD region, 2005 - Diabetes mellitus

GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.001	0.002	0.003	0.094	0.185	0.250	0.315	0.380	0.458	0.534	0.606	0.674	0.592	0.500	0.405	0.310
Latin America, Southern	0.000	0.000	0.000	0.001	0.001	0.029	0.056	0.081	0.106	0.131	0.155	0.180	0.204	0.229	0.200	0.171	0.142	0.113
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.036	0.070	0.100	0.132	0.164	0.197	0.229	0.260	0.296	0.265	0.223	0.188	0.153
Australasia	0.000	0.000	0.000	0.001	0.001	0.046	0.091	0.133	0.175	0.217	0.256	0.295	0.334	0.374	0.327	0.281	0.235	0.189
Asia Pacific, High Income	0.000	0.000	0.000	0.001	0.002	0.068	0.134	0.190	0.246	0.301	0.359	0.421	0.482	0.538	0.479	0.414	0.348	0.283
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.023	0.046	0.066	0.086	0.106	0.124	0.142	0.161	0.180	0.158	0.136	0.114	0.093
Europe, Central	0.000	0.000	0.000	0.001	0.001	0.045	0.087	0.126	0.165	0.203	0.242	0.280	0.318	0.356	0.311	0.266	0.221	0.175
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.032	0.062	0.092	0.121	0.150	0.177	0.205	0.232	0.260	0.227	0.194	0.161	0.128
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.001	0.044	0.088	0.126	0.165	0.204	0.241	0.278	0.315	0.352	0.308	0.264	0.220	0.176
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.002	0.044	0.086	0.125	0.165	0.204	0.240	0.276	0.312	0.349	0.305	0.260	0.216	0.172
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.001	0.044	0.087	0.126	0.165	0.203	0.242	0.280	0.319	0.357	0.311	0.265	0.219	0.173
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.002	0.045	0.089	0.126	0.163	0.200	0.241	0.281	0.322	0.362	0.317	0.271	0.225	0.179
North Africa / Middle East	0.000	0.000	0.000	0.001	0.002	0.050	0.098	0.142	0.186	0.229	0.275	0.322	0.368	0.414	0.360	0.307	0.253	0.200
Asia, South	0.000	0.000	0.000	0.001	0.001	0.042	0.082	0.122	0.162	0.203	0.238	0.274	0.309	0.345	0.303	0.261	0.219	0.177
Oceania	0.000	0.000	0.000	0.001	0.001	0.047	0.093	0.131	0.170	0.209	0.248	0.287	0.326	0.366	0.320	0.275	0.230	0.185
Asia, Southeast	0.000	0.000	0.000	0.001	0.002	0.048	0.095	0.132	0.170	0.208	0.255	0.303	0.351	0.398	0.349	0.300	0.252	0.202
Asia, East	0.000	0.000	0.000	0.001	0.002	0.045	0.089	0.125	0.161	0.198	0.237	0.276	0.315	0.354	0.309	0.264	0.220	0.175
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.051	0.101	0.142	0.183	0.223	0.271	0.318	0.365	0.411	0.359	0.306	0.253	0.200
Latin America, Central	0.000	0.000	0.000	0.001	0.002	0.051	0.101	0.145	0.189	0.232	0.277	0.322	0.366	0.411	0.359	0.308	0.256	0.205
Latin America, Andean	0.000	0.000	0.000	0.001	0.002	0.051	0.099	0.142	0.184	0.227	0.272	0.318	0.364	0.409	0.356	0.303	0.249	0.195
Caribbean	0.000	0.000	0.000	0.001	0.002	0.051	0.101	0.147	0.193	0.239	0.284	0.327	0.371	0.415	0.362	0.310	0.257	0.205

Annex Table 19 - Male etiology proportions by age and GBD region, 2010 - Diabetes mellitus

GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.000	0.002	0.003	0.059	0.116	0.201	0.286	0.371	0.426	0.482	0.536	0.590	0.509	0.426	0.342	0.257
Latin America, Southern	0.000	0.000	0.000	0.000	0.001	0.025	0.049	0.070	0.091	0.113	0.135	0.157	0.179	0.200	0.175	0.150	0.125	0.100
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.031	0.061	0.086	0.110	0.137	0.171	0.203	0.236	0.266	0.236	0.205	0.168	0.133
Australasia	0.000	0.000	0.000	0.001	0.002	0.041	0.081	0.118	0.154	0.190	0.225	0.260	0.295	0.330	0.289	0.248	0.207	0.166
Asia Pacific, High Income	0.000	0.000	0.000	0.001	0.002	0.059	0.115	0.165	0.214	0.261	0.316	0.371	0.430	0.487	0.429	0.367	0.305	0.243
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.020	0.039	0.058	0.076	0.095	0.110	0.125	0.140	0.155	0.137	0.117	0.097	0.078
Europe, Central	0.000	0.000	0.000	0.001	0.001	0.038	0.074	0.108	0.143	0.177	0.210	0.243	0.275	0.307	0.269	0.230	0.192	0.153
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.029	0.056	0.081	0.107	0.132	0.157	0.182	0.207	0.233	0.204	0.175	0.145	0.116
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.110	0.142	0.175	0.209	0.242	0.276	0.309	0.270	0.230	0.190	0.151
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.001	0.040	0.079	0.113	0.147	0.182	0.217	0.252	0.286	0.321	0.280	0.239	0.197	0.156
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.112	0.147	0.182	0.214	0.247	0.280	0.313	0.274	0.235	0.197	0.158
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.001	0.040	0.078	0.112	0.146	0.180	0.213	0.246	0.279	0.311	0.273	0.234	0.195	0.156
North Africa / Middle East	0.000	0.000	0.000	0.001	0.001	0.044	0.086	0.125	0.164	0.204	0.242	0.281	0.319	0.358	0.313	0.268	0.223	0.178
Asia, South	0.000	0.000	0.000	0.001	0.001	0.038	0.075	0.108	0.141	0.174	0.207	0.240	0.273	0.306	0.268	0.230	0.192	0.153
Oceania	0.000	0.000	0.000	0.001	0.001	0.040	0.079	0.115	0.150	0.185	0.222	0.258	0.294	0.331	0.288	0.245	0.203	0.160
Asia, Southeast	0.000	0.000	0.000	0.001	0.001	0.041	0.080	0.113	0.147	0.180	0.228	0.276	0.325	0.373	0.325	0.276	0.227	0.179
Asia, East	0.000	0.000	0.000	0.001	0.001	0.039	0.077	0.111	0.144	0.178	0.212	0.246	0.279	0.313	0.274	0.234	0.194	0.154
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.045	0.089	0.131	0.172	0.214	0.253	0.293	0.332	0.371	0.325	0.279	0.233	0.187
Latin America, Central	0.000	0.000	0.000	0.001	0.002	0.046	0.090	0.127	0.164	0.201	0.243	0.285	0.327	0.368	0.322	0.276	0.229	0.183
Latin America, Andean	0.000	0.000	0.000	0.001	0.001	0.045	0.088	0.126	0.164	0.201	0.240	0.279	0.317	0.356	0.311	0.266	0.221	0.176
Caribbean	0.000	0.000	0.000	0.001	0.002	0.045	0.089	0.128	0.166	0.205	0.245	0.285	0.325	0.364	0.317	0.270	0.222	0.175

Female etiology proportions by age and GBD region, 2010 - Diabetes mellitus

GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.000	0.000	0.001	0.001	0.002	0.093	0.185	0.250	0.316	0.382	0.460	0.535	0.607	0.673	0.593	0.503	0.408	0.312
Latin America, Southern	0.000	0.000	0.000	0.001	0.001	0.029	0.057	0.082	0.106	0.130	0.155	0.180	0.205	0.229	0.200	0.172	0.143	0.114
Europe, Western	0.000	0.000	0.000	0.001	0.001	0.036	0.070	0.098	0.126	0.157	0.190	0.223	0.256	0.286	0.254	0.223	0.183	0.148
Australasia	0.000	0.000	0.000	0.001	0.002	0.048	0.094	0.135	0.177	0.218	0.260	0.301	0.343	0.384	0.335	0.285	0.235	0.185
Asia Pacific, High Income	0.000	0.000	0.001	0.001	0.002	0.066	0.130	0.185	0.240	0.294	0.354	0.416	0.482	0.546	0.481	0.412	0.344	0.276
Europe, Eastern	0.000	0.000	0.000	0.000	0.001	0.024	0.048	0.070	0.092	0.113	0.131	0.148	0.166	0.184	0.162	0.140	0.118	0.097
Europe, Central	0.000	0.000	0.000	0.001	0.001	0.045	0.088	0.124	0.161	0.197	0.238	0.278	0.317	0.357	0.312	0.267	0.222	0.177
Asia, Central	0.000	0.000	0.000	0.001	0.001	0.032	0.064	0.091	0.119	0.147	0.177	0.206	0.236	0.266	0.231	0.197	0.163	0.129
Sub-Saharan Africa, West	0.000	0.000	0.000	0.001	0.001	0.046	0.090	0.129	0.169	0.209	0.247	0.286	0.325	0.364	0.317	0.270	0.223	0.176
Sub-Saharan Africa, Southern	0.000	0.000	0.000	0.001	0.001	0.044	0.086	0.123	0.160	0.197	0.234	0.271	0.308	0.345	0.302	0.259	0.216	0.173
Sub-Saharan Africa, East	0.000	0.000	0.000	0.001	0.001	0.045	0.088	0.126	0.164	0.201	0.239	0.278	0.316	0.354	0.309	0.265	0.221	0.177
Sub-Saharan Africa, Central	0.000	0.000	0.000	0.001	0.001	0.045	0.089	0.127	0.165	0.202	0.242	0.282	0.322	0.362	0.317	0.272	0.227	0.182
North Africa / Middle East	0.000	0.000	0.000	0.001	0.002	0.051	0.100	0.145	0.189	0.234	0.278	0.322	0.365	0.410	0.358	0.307	0.256	0.205
Asia, South	0.000	0.000	0.000	0.001	0.001	0.043	0.086	0.125	0.164	0.203	0.241	0.280	0.318	0.357	0.311	0.265	0.220	0.174
Oceania	0.000	0.000	0.000	0.001	0.002	0.047	0.092	0.133	0.174	0.214	0.254	0.294	0.334	0.373	0.328	0.282	0.237	0.191
Asia, Southeast	0.000	0.000	0.000	0.001	0.002	0.046	0.091	0.130	0.169	0.208	0.255	0.301	0.348	0.395	0.346	0.297	0.248	0.199
Asia, East	0.000	0.000	0.000	0.001	0.001	0.043	0.086	0.120	0.154	0.189	0.225	0.262	0.299	0.335	0.294	0.253	0.211	0.170
Latin America, Tropical	0.000	0.000	0.000	0.001	0.002	0.053	0.104	0.151	0.198	0.245	0.289	0.333	0.376	0.420	0.369	0.317	0.265	0.214
Latin America, Central	0.000	0.000	0.000	0.001	0.002	0.053	0.104	0.148	0.193	0.237	0.283	0.328	0.374	0.419	0.368	0.316	0.263	0.211
Latin America, Andean	0.000	0.000	0.000	0.001	0.001	0.051	0.101	0.144	0.186	0.228	0.273	0.319	0.365	0.410	0.359	0.308	0.257	0.205
Caribbean	0.000	0.000	0.000	0.001	0.002	0.051	0.101	0.145	0.189	0.232	0.277	0.323	0.368	0.413	0.361	0.310	0.258	0.206

Annex Table 20 - Male etiology proportions by age and GBD region, 1990 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.112	0.115	0.126	0.139	0.153	0.166	0.180	0.202	0.223	0.245	0.238	0.230	0.223	0.215	0.242	0.267	0.293	0.318
Latin America, Southern	0.105	0.108	0.119	0.132	0.146	0.159	0.173	0.191	0.209	0.227	0.219	0.210	0.201	0.193	0.206	0.220	0.233	0.246
Europe, Western	0.102	0.104	0.113	0.123	0.134	0.144	0.155	0.174	0.193	0.212	0.203	0.193	0.184	0.174	0.188	0.202	0.216	0.230
Australasia	0.108	0.111	0.121	0.134	0.146	0.159	0.172	0.190	0.208	0.226	0.217	0.208	0.200	0.191	0.207	0.223	0.238	0.254
Asia Pacific, High Income	0.107	0.110	0.121	0.135	0.148	0.162	0.173	0.193	0.211	0.229	0.220	0.210	0.200	0.189	0.206	0.221	0.236	0.251
Europe, Eastern	0.137	0.140	0.153	0.169	0.185	0.202	0.218	0.241	0.264	0.286	0.275	0.263	0.252	0.241	0.261	0.281	0.301	0.321
Europe, Central	0.179	0.183	0.199	0.219	0.238	0.258	0.276	0.311	0.347	0.381	0.365	0.347	0.330	0.312	0.338	0.364	0.390	0.416
Asia, Central	0.159	0.163	0.179	0.198	0.217	0.236	0.255	0.282	0.308	0.333	0.320	0.307	0.294	0.281	0.303	0.325	0.347	0.369
Sub-Saharan Africa, West	0.129	0.132	0.145	0.160	0.176	0.191	0.207	0.230	0.254	0.278	0.267	0.255	0.244	0.232	0.251	0.269	0.287	0.306
Sub-Saharan Africa, Southern	0.134	0.137	0.149	0.164	0.179	0.194	0.209	0.231	0.254	0.276	0.267	0.257	0.247	0.238	0.255	0.272	0.289	0.306
Sub-Saharan Africa, East	0.127	0.130	0.144	0.161	0.177	0.194	0.211	0.230	0.250	0.270	0.261	0.252	0.243	0.234	0.252	0.269	0.287	0.305
Sub-Saharan Africa, Central	0.130	0.133	0.145	0.160	0.175	0.189	0.204	0.228	0.252	0.276	0.265	0.254	0.244	0.233	0.250	0.267	0.284	0.301
North Africa / Middle East	0.131	0.134	0.147	0.163	0.178	0.194	0.210	0.232	0.255	0.278	0.267	0.255	0.244	0.233	0.250	0.268	0.286	0.304
Asia, South	0.129	0.132	0.144	0.159	0.174	0.189	0.204	0.227	0.249	0.272	0.262	0.251	0.241	0.231	0.249	0.267	0.285	0.303
Oceania	0.103	0.105	0.114	0.125	0.137	0.148	0.159	0.177	0.194	0.212	0.204	0.195	0.187	0.179	0.193	0.207	0.221	0.235
Asia, Southeast	0.097	0.100	0.112	0.126	0.141	0.156	0.171	0.186	0.200	0.215	0.204	0.193	0.183	0.172	0.188	0.204	0.220	0.235
Asia, East	0.093	0.095	0.104	0.115	0.126	0.137	0.148	0.164	0.179	0.194	0.187	0.180	0.173	0.165	0.178	0.192	0.205	0.218
Latin America, Tropical	0.146	0.149	0.163	0.181	0.198	0.216	0.234	0.260	0.286	0.312	0.300	0.287	0.274	0.261	0.282	0.302	0.323	0.343
Latin America, Central	0.139	0.143	0.158	0.176	0.194	0.213	0.231	0.253	0.275	0.297	0.285	0.273	0.261	0.248	0.270	0.292	0.313	0.335
Latin America, Andean	0.150	0.153	0.167	0.184	0.201	0.218	0.235	0.263	0.290	0.318	0.305	0.292	0.278	0.265	0.286	0.307	0.327	0.348
Caribbean	0.156	0.159	0.173	0.191	0.208	0.226	0.243	0.270	0.296	0.323	0.311	0.299	0.287	0.275	0.298	0.321	0.344	0.367
Female etiology proportions by age and GBD region, 1990 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.108	0.109	0.116	0.123	0.131	0.139	0.147	0.168	0.190	0.212	0.204	0.196	0.187	0.177	0.206	0.233	0.259	0.285
Latin America, Southern	0.098	0.101	0.110	0.122	0.133	0.145	0.157	0.173	0.188	0.204	0.196	0.189	0.181	0.174	0.186	0.199	0.211	0.224
Europe, Western	0.088	0.090	0.099	0.109	0.120	0.131	0.142	0.157	0.173	0.188	0.180	0.172	0.164	0.155	0.169	0.183	0.196	0.210
Australasia	0.098	0.100	0.109	0.120	0.131	0.142	0.153	0.172	0.190	0.208	0.199	0.191	0.182	0.173	0.187	0.200	0.214	0.228
Asia Pacific, High Income	0.096	0.099	0.108	0.120	0.132	0.144	0.156	0.173	0.189	0.206	0.198	0.190	0.182	0.174	0.188	0.201	0.214	0.227
Europe, Eastern	0.126	0.129	0.140	0.155	0.169	0.184	0.198	0.221	0.244	0.266	0.255	0.243	0.232	0.220	0.239	0.257	0.276	0.294
Europe, Central	0.160	0.163	0.178	0.197	0.215	0.234	0.251	0.282	0.313	0.343	0.329	0.316	0.302	0.288	0.312	0.335	0.358	0.382
Asia, Central	0.144	0.148	0.161	0.178	0.195	0.212	0.228	0.255	0.281	0.307	0.293	0.279	0.265	0.252	0.272	0.293	0.314	0.335
Sub-Saharan Africa, West	0.115	0.117	0.128	0.142	0.156	0.170	0.183	0.205	0.227	0.249	0.239	0.229	0.218	0.208	0.225	0.241	0.258	0.274
Sub-Saharan Africa, Southern	0.113	0.116	0.128	0.143	0.159	0.174	0.189	0.207	0.226	0.244	0.235	0.225	0.215	0.206	0.223	0.240	0.257	0.274
Sub-Saharan Africa, East	0.117	0.120	0.131	0.145	0.159	0.173	0.187	0.206	0.226	0.245	0.235	0.225	0.214	0.204	0.221	0.238	0.255	0.272
Sub-Saharan Africa, Central	0.117	0.120	0.131	0.145	0.159	0.173	0.187	0.206	0.224	0.243	0.234	0.225	0.216	0.207	0.224	0.241	0.258	0.275
North Africa / Middle East	0.117	0.119	0.131	0.145	0.159	0.174	0.188	0.210	0.231	0.253	0.242	0.232	0.221	0.210	0.227	0.243	0.259	0.275
Asia, South	0.117	0.120	0.132	0.146	0.161	0.175	0.190	0.209	0.228	0.247	0.238	0.230	0.221	0.211	0.227	0.243	0.259	0.275
Oceania	0.091	0.093	0.102	0.113	0.124	0.134	0.145	0.160	0.176	0.191	0.183	0.176	0.169	0.161	0.174	0.186	0.199	0.211
Asia, Southeast	0.089	0.091	0.102	0.115	0.128	0.141	0.154	0.169	0.183	0.197	0.187	0.177	0.167	0.157	0.170	0.183	0.196	0.209
Asia, East	0.083	0.085	0.094	0.104	0.115	0.125	0.136	0.150	0.163	0.177	0.170	0.162	0.155	0.147	0.159	0.171	0.183	0.196
Latin America, Tropical	0.128	0.132	0.145	0.161	0.178	0.194	0.211	0.233	0.255	0.277	0.266	0.255	0.244	0.233	0.251	0.268	0.286	0.304
Latin America, Central	0.127	0.130	0.142	0.158	0.173	0.189	0.204	0.225	0.247	0.268	0.257	0.246	0.235	0.224	0.244	0.264	0.283	0.303
Latin America, Andean	0.130	0.133	0.147	0.164	0.181	0.198	0.215	0.236	0.257	0.279	0.268	0.256	0.245	0.234	0.255	0.276	0.297	0.318
Caribbean	0.132	0.136	0.150	0.168	0.187	0.205	0.223	0.246	0.269	0.292	0.278	0.266	0.253	0.240	0.261	0.283	0.305	0.326

Annex Table 20 - Male etiology proprtns by age and GBD region, 2005 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.105	0.108	0.121	0.137	0.153	0.169	0.185	0.212	0.239	0.266	0.249	0.232	0.215	0.197	0.231	0.263	0.294	0.326
Latin America, Southern	0.107	0.110	0.122	0.136	0.151	0.165	0.180	0.196	0.213	0.229	0.221	0.213	0.205	0.197	0.210	0.223	0.236	0.250
Europe, Western	0.098	0.101	0.110	0.122	0.134	0.146	0.158	0.175	0.192	0.208	0.200	0.191	0.182	0.173	0.185	0.198	0.211	0.224
Australasia	0.106	0.109	0.120	0.133	0.147	0.160	0.174	0.191	0.208	0.225	0.216	0.208	0.199	0.191	0.205	0.220	0.235	0.249
Asia Pacific, High Income	0.106	0.109	0.119	0.132	0.145	0.158	0.170	0.194	0.217	0.240	0.228	0.215	0.202	0.189	0.203	0.216	0.230	0.243
Europe, Eastern	0.132	0.135	0.149	0.165	0.182	0.199	0.215	0.237	0.259	0.281	0.269	0.257	0.246	0.235	0.250	0.265	0.281	0.297
Europe, Central	0.177	0.181	0.198	0.220	0.240	0.260	0.278	0.313	0.348	0.380	0.365	0.350	0.334	0.318	0.345	0.372	0.398	0.425
Asia, Central	0.157	0.161	0.176	0.195	0.213	0.232	0.250	0.281	0.311	0.341	0.325	0.310	0.295	0.279	0.302	0.325	0.348	0.371
Sub-Saharan Africa, West	0.128	0.131	0.144	0.160	0.176	0.192	0.208	0.228	0.248	0.268	0.259	0.250	0.241	0.232	0.249	0.265	0.281	0.297
Sub-Saharan Africa, Southern	0.126	0.129	0.143	0.161	0.178	0.195	0.213	0.233	0.254	0.274	0.265	0.255	0.245	0.236	0.253	0.271	0.289	0.307
Sub-Saharan Africa, East	0.130	0.133	0.145	0.160	0.174	0.189	0.204	0.225	0.247	0.268	0.258	0.248	0.237	0.227	0.247	0.266	0.286	0.305
Sub-Saharan Africa, Central	0.125	0.128	0.140	0.156	0.171	0.187	0.202	0.227	0.253	0.278	0.266	0.253	0.241	0.229	0.248	0.267	0.286	0.304
North Africa / Middle East	0.131	0.134	0.147	0.163	0.179	0.195	0.211	0.234	0.256	0.279	0.267	0.256	0.244	0.233	0.252	0.271	0.290	0.309
Asia, South	0.129	0.132	0.144	0.159	0.175	0.190	0.205	0.225	0.246	0.266	0.258	0.250	0.241	0.233	0.250	0.266	0.282	0.299
Oceania	0.104	0.107	0.116	0.127	0.139	0.150	0.162	0.182	0.201	0.220	0.211	0.202	0.193	0.183	0.197	0.210	0.223	0.236
Asia, Southeast	0.103	0.105	0.116	0.128	0.141	0.154	0.166	0.179	0.192	0.205	0.199	0.193	0.188	0.182	0.193	0.203	0.214	0.226
Asia, East	0.094	0.096	0.105	0.115	0.126	0.136	0.147	0.164	0.182	0.199	0.191	0.182	0.174	0.165	0.179	0.192	0.206	0.219
Latin America, Tropical	0.146	0.149	0.164	0.182	0.200	0.218	0.236	0.260	0.285	0.309	0.298	0.286	0.275	0.263	0.283	0.302	0.322	0.341
Latin America, Central	0.142	0.145	0.158	0.175	0.191	0.207	0.223	0.251	0.279	0.308	0.292	0.276	0.260	0.244	0.266	0.287	0.308	0.330
Latin America, Andean	0.147	0.150	0.165	0.182	0.200	0.218	0.236	0.260	0.284	0.309	0.297	0.285	0.274	0.262	0.283	0.304	0.325	0.346
Caribbean	0.152	0.156	0.171	0.190	0.209	0.228	0.247	0.275	0.303	0.331	0.315	0.299	0.283	0.268	0.292	0.316	0.340	0.364
Female etiology proprtns by age and GBD region, 2005 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.105	0.106	0.111	0.116	0.122	0.127	0.133	0.160	0.188	0.215	0.205	0.195	0.185	0.174	0.204	0.233	0.262	0.290
Latin America, Southern	0.096	0.099	0.109	0.122	0.135	0.148	0.161	0.177	0.193	0.209	0.200	0.192	0.183	0.175	0.187	0.199	0.211	0.223
Europe, Western	0.089	0.091	0.100	0.112	0.123	0.135	0.146	0.160	0.174	0.188	0.181	0.174	0.167	0.160	0.170	0.180	0.191	0.201
Australasia	0.097	0.099	0.109	0.122	0.134	0.147	0.159	0.175	0.191	0.207	0.199	0.191	0.183	0.175	0.189	0.203	0.218	0.232
Asia Pacific, High Income	0.097	0.099	0.108	0.119	0.130	0.142	0.152	0.175	0.198	0.220	0.208	0.196	0.184	0.171	0.186	0.199	0.211	0.224
Europe, Eastern	0.117	0.120	0.133	0.150	0.165	0.181	0.197	0.217	0.236	0.254	0.243	0.232	0.221	0.211	0.227	0.243	0.260	0.276
Europe, Central	0.158	0.162	0.177	0.197	0.215	0.234	0.253	0.281	0.310	0.338	0.325	0.311	0.298	0.285	0.309	0.332	0.356	0.380
Asia, Central	0.141	0.145	0.158	0.176	0.193	0.210	0.227	0.253	0.278	0.303	0.292	0.280	0.269	0.257	0.276	0.294	0.313	0.331
Sub-Saharan Africa, West	0.117	0.120	0.130	0.143	0.156	0.168	0.181	0.201	0.222	0.242	0.234	0.225	0.217	0.209	0.224	0.239	0.254	0.269
Sub-Saharan Africa, Southern	0.119	0.122	0.132	0.145	0.158	0.171	0.184	0.207	0.229	0.252	0.240	0.229	0.218	0.206	0.223	0.240	0.257	0.274
Sub-Saharan Africa, East	0.117	0.120	0.131	0.145	0.158	0.172	0.186	0.205	0.223	0.242	0.233	0.225	0.216	0.207	0.223	0.239	0.255	0.271
Sub-Saharan Africa, Central	0.117	0.120	0.130	0.144	0.157	0.170	0.183	0.203	0.223	0.243	0.234	0.225	0.217	0.208	0.224	0.241	0.257	0.274
North Africa / Middle East	0.116	0.119	0.131	0.146	0.162	0.177	0.192	0.212	0.233	0.253	0.242	0.231	0.220	0.208	0.227	0.245	0.263	0.281
Asia, South	0.121	0.123	0.134	0.148	0.162	0.175	0.189	0.210	0.231	0.252	0.242	0.232	0.222	0.212	0.230	0.247	0.265	0.283
Oceania	0.091	0.093	0.102	0.112	0.123	0.134	0.145	0.160	0.176	0.191	0.184	0.176	0.168	0.160	0.174	0.188	0.201	0.215
Asia, Southeast	0.090	0.092	0.102	0.114	0.126	0.139	0.151	0.164	0.177	0.190	0.184	0.179	0.174	0.169	0.180	0.191	0.202	0.213
Asia, East	0.081	0.083	0.092	0.102	0.112	0.122	0.132	0.147	0.162	0.177	0.170	0.163	0.156	0.149	0.161	0.173	0.184	0.196
Latin America, Tropical	0.134	0.137	0.150	0.166	0.182	0.199	0.215	0.238	0.262	0.285	0.274	0.262	0.250	0.238	0.256	0.274	0.292	0.310
Latin America, Central	0.126	0.130	0.143	0.159	0.175	0.192	0.208	0.227	0.245	0.264	0.255	0.246	0.236	0.227	0.245	0.263	0.281	0.298
Latin America, Andean	0.130	0.133	0.146	0.163	0.180	0.196	0.213	0.237	0.261	0.285	0.273	0.261	0.249	0.237	0.256	0.276	0.295	0.314
Caribbean	0.136	0.139	0.153	0.170	0.187	0.205	0.222	0.245	0.268	0.291	0.279	0.267	0.255	0.242	0.263	0.284	0.305	0.326

Annex Table 20 - Male etiology proportions by age and GBD region, 2010 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.103	0.106	0.119	0.135	0.151	0.167	0.183	0.209	0.234	0.259	0.244	0.229	0.214	0.198	0.230	0.262	0.294	0.325
Latin America, Southern	0.109	0.111	0.123	0.137	0.150	0.165	0.179	0.196	0.213	0.230	0.222	0.213	0.205	0.196	0.209	0.221	0.234	0.246
Europe, Western	0.101	0.103	0.112	0.123	0.135	0.146	0.158	0.173	0.188	0.203	0.197	0.190	0.183	0.176	0.187	0.199	0.210	0.221
Australasia	0.109	0.112	0.122	0.135	0.148	0.161	0.174	0.192	0.210	0.228	0.220	0.212	0.203	0.195	0.209	0.224	0.239	0.253
Asia Pacific, High Income	0.109	0.112	0.121	0.133	0.144	0.156	0.167	0.190	0.214	0.237	0.225	0.213	0.201	0.188	0.202	0.215	0.228	0.240
Europe, Eastern	0.129	0.133	0.146	0.163	0.180	0.196	0.212	0.235	0.257	0.280	0.267	0.255	0.243	0.231	0.249	0.266	0.284	0.302
Europe, Central	0.182	0.186	0.201	0.222	0.240	0.259	0.276	0.309	0.342	0.373	0.360	0.345	0.331	0.316	0.341	0.367	0.392	0.418
Asia, Central	0.154	0.158	0.174	0.194	0.213	0.233	0.251	0.281	0.310	0.338	0.323	0.308	0.293	0.278	0.302	0.326	0.350	0.375
Sub-Saharan Africa, West	0.131	0.134	0.146	0.161	0.176	0.191	0.206	0.229	0.251	0.273	0.262	0.252	0.241	0.231	0.250	0.270	0.290	0.310
Sub-Saharan Africa, Southern	0.134	0.136	0.148	0.163	0.177	0.192	0.206	0.228	0.250	0.272	0.262	0.252	0.242	0.232	0.249	0.267	0.285	0.303
Sub-Saharan Africa, East	0.130	0.133	0.145	0.160	0.175	0.190	0.205	0.229	0.252	0.276	0.265	0.254	0.243	0.232	0.250	0.268	0.286	0.304
Sub-Saharan Africa, Central	0.128	0.131	0.144	0.161	0.177	0.193	0.210	0.233	0.257	0.280	0.268	0.257	0.245	0.233	0.250	0.266	0.283	0.299
North Africa / Middle East	0.132	0.135	0.147	0.162	0.176	0.191	0.206	0.231	0.256	0.281	0.270	0.257	0.246	0.233	0.251	0.270	0.288	0.306
Asia, South	0.128	0.131	0.144	0.160	0.176	0.192	0.208	0.229	0.251	0.272	0.261	0.250	0.238	0.227	0.246	0.266	0.285	0.305
Oceania	0.101	0.104	0.113	0.125	0.137	0.149	0.160	0.178	0.195	0.212	0.204	0.197	0.189	0.181	0.196	0.210	0.224	0.239
Asia, Southeast	0.103	0.105	0.116	0.128	0.141	0.154	0.166	0.178	0.190	0.202	0.196	0.191	0.185	0.180	0.190	0.201	0.212	0.223
Asia, East	0.093	0.095	0.104	0.116	0.127	0.138	0.150	0.165	0.181	0.197	0.189	0.181	0.174	0.166	0.178	0.190	0.203	0.215
Latin America, Tropical	0.147	0.150	0.164	0.181	0.198	0.216	0.233	0.257	0.282	0.306	0.293	0.280	0.267	0.254	0.276	0.298	0.320	0.343
Latin America, Central	0.139	0.142	0.156	0.173	0.191	0.208	0.225	0.249	0.273	0.297	0.286	0.275	0.264	0.254	0.271	0.289	0.307	0.325
Latin America, Andean	0.143	0.147	0.162	0.180	0.198	0.216	0.235	0.259	0.283	0.307	0.296	0.285	0.274	0.262	0.282	0.301	0.321	0.340
Caribbean	0.154	0.158	0.172	0.191	0.209	0.228	0.246	0.273	0.300	0.326	0.313	0.300	0.287	0.274	0.296	0.319	0.341	0.364
Female etiology proportions by age and GBD region, 2010 - Hypertension																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.105	0.106	0.111	0.116	0.122	0.128	0.134	0.161	0.188	0.215	0.206	0.196	0.186	0.175	0.206	0.236	0.265	0.294
Latin America, Southern	0.098	0.101	0.111	0.124	0.136	0.149	0.162	0.177	0.193	0.208	0.201	0.195	0.189	0.182	0.193	0.204	0.215	0.226
Europe, Western	0.090	0.092	0.100	0.111	0.121	0.132	0.143	0.158	0.174	0.189	0.182	0.175	0.168	0.161	0.171	0.181	0.192	0.202
Australasia	0.097	0.099	0.108	0.120	0.131	0.143	0.154	0.172	0.190	0.208	0.199	0.190	0.181	0.172	0.187	0.202	0.216	0.231
Asia Pacific, High Income	0.098	0.100	0.109	0.121	0.132	0.144	0.155	0.177	0.200	0.223	0.210	0.198	0.185	0.173	0.185	0.197	0.209	0.220
Europe, Eastern	0.119	0.122	0.135	0.150	0.166	0.182	0.197	0.214	0.231	0.248	0.238	0.229	0.219	0.210	0.228	0.245	0.262	0.280
Europe, Central	0.162	0.166	0.180	0.199	0.217	0.235	0.252	0.282	0.312	0.342	0.327	0.312	0.297	0.282	0.305	0.328	0.351	0.374
Asia, Central	0.143	0.147	0.160	0.177	0.194	0.211	0.228	0.253	0.278	0.302	0.290	0.278	0.266	0.254	0.274	0.295	0.316	0.336
Sub-Saharan Africa, West	0.117	0.120	0.132	0.147	0.161	0.176	0.191	0.211	0.231	0.251	0.242	0.232	0.222	0.212	0.230	0.247	0.265	0.283
Sub-Saharan Africa, Southern	0.116	0.119	0.129	0.143	0.157	0.170	0.184	0.202	0.221	0.239	0.231	0.223	0.214	0.206	0.223	0.240	0.256	0.273
Sub-Saharan Africa, East	0.115	0.118	0.129	0.144	0.158	0.172	0.187	0.207	0.227	0.247	0.237	0.226	0.216	0.206	0.224	0.243	0.261	0.279
Sub-Saharan Africa, Central	0.118	0.121	0.132	0.146	0.161	0.175	0.189	0.208	0.228	0.247	0.238	0.229	0.220	0.211	0.227	0.244	0.260	0.277
North Africa / Middle East	0.120	0.123	0.134	0.149	0.163	0.178	0.192	0.213	0.234	0.254	0.244	0.234	0.224	0.214	0.230	0.247	0.263	0.280
Asia, South	0.117	0.120	0.131	0.144	0.158	0.171	0.185	0.208	0.231	0.254	0.243	0.231	0.220	0.209	0.227	0.245	0.264	0.282
Oceania	0.088	0.091	0.100	0.111	0.123	0.134	0.146	0.161	0.176	0.190	0.182	0.175	0.167	0.159	0.173	0.187	0.201	0.215
Asia, Southeast	0.088	0.091	0.101	0.115	0.128	0.142	0.155	0.165	0.176	0.186	0.182	0.179	0.175	0.171	0.181	0.190	0.200	0.209
Asia, East	0.082	0.085	0.093	0.104	0.115	0.126	0.137	0.150	0.162	0.174	0.169	0.163	0.158	0.153	0.164	0.174	0.185	0.196
Latin America, Tropical	0.132	0.136	0.149	0.166	0.182	0.199	0.216	0.235	0.255	0.275	0.265	0.255	0.245	0.236	0.257	0.278	0.299	0.320
Latin America, Central	0.124	0.127	0.139	0.155	0.170	0.186	0.201	0.224	0.247	0.271	0.259	0.248	0.236	0.224	0.243	0.262	0.281	0.300
Latin America, Andean	0.135	0.138	0.150	0.166	0.181	0.196	0.212	0.233	0.255	0.277	0.266	0.256	0.245	0.235	0.254	0.274	0.293	0.313
Caribbean	0.139	0.143	0.157	0.174	0.191	0.209	0.226	0.250	0.275	0.299	0.286	0.272	0.258	0.245	0.265	0.286	0.307	0.328

Annex Table 21 - Male etiology proprtns by age and GBD region, 1990 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.888	0.885	0.874	0.860	0.845	0.761	0.676	0.583	0.489	0.396	0.352	0.308	0.266	0.225	0.272	0.323	0.376	0.430
Latin America, Southern	0.895	0.892	0.881	0.867	0.854	0.816	0.778	0.738	0.698	0.657	0.645	0.634	0.622	0.610	0.621	0.632	0.643	0.654
Europe, Western	0.898	0.896	0.887	0.876	0.865	0.823	0.780	0.732	0.685	0.640	0.616	0.596	0.581	0.563	0.586	0.606	0.624	0.643
Australasia	0.892	0.889	0.879	0.865	0.852	0.799	0.746	0.693	0.639	0.586	0.558	0.530	0.501	0.473	0.500	0.527	0.554	0.580
Asia Pacific, High Income	0.893	0.890	0.879	0.864	0.850	0.780	0.713	0.641	0.569	0.497	0.452	0.408	0.364	0.320	0.364	0.411	0.457	0.504
Europe, Eastern	0.863	0.860	0.847	0.830	0.814	0.777	0.740	0.700	0.659	0.619	0.613	0.607	0.600	0.594	0.594	0.595	0.595	0.595
Europe, Central	0.821	0.817	0.801	0.780	0.761	0.704	0.649	0.578	0.509	0.440	0.425	0.411	0.398	0.385	0.396	0.408	0.419	0.431
Asia, Central	0.841	0.837	0.821	0.801	0.782	0.734	0.688	0.635	0.583	0.532	0.520	0.509	0.498	0.487	0.494	0.501	0.508	0.515
Sub-Saharan Africa, West	0.871	0.868	0.855	0.839	0.823	0.769	0.716	0.659	0.602	0.545	0.521	0.497	0.472	0.448	0.470	0.492	0.514	0.536
Sub-Saharan Africa, Southern	0.866	0.863	0.851	0.835	0.820	0.766	0.713	0.656	0.599	0.543	0.517	0.492	0.467	0.442	0.465	0.488	0.512	0.535
Sub-Saharan Africa, East	0.873	0.869	0.856	0.839	0.821	0.767	0.713	0.659	0.604	0.550	0.527	0.505	0.482	0.459	0.479	0.498	0.518	0.538
Sub-Saharan Africa, Central	0.869	0.866	0.855	0.839	0.824	0.772	0.719	0.662	0.604	0.546	0.524	0.501	0.478	0.455	0.476	0.498	0.519	0.541
North Africa / Middle East	0.869	0.866	0.853	0.836	0.820	0.763	0.705	0.644	0.584	0.523	0.498	0.473	0.448	0.423	0.447	0.471	0.495	0.519
Asia, South	0.870	0.867	0.855	0.840	0.825	0.772	0.719	0.661	0.604	0.547	0.522	0.498	0.474	0.450	0.470	0.491	0.512	0.533
Oceania	0.897	0.895	0.886	0.874	0.862	0.811	0.761	0.710	0.659	0.609	0.581	0.553	0.525	0.497	0.525	0.553	0.580	0.608
Asia, Southeast	0.903	0.900	0.888	0.873	0.857	0.802	0.746	0.696	0.646	0.596	0.571	0.545	0.519	0.494	0.520	0.545	0.571	0.597
Asia, East	0.907	0.905	0.896	0.884	0.873	0.825	0.778	0.731	0.684	0.637	0.609	0.582	0.555	0.528	0.555	0.582	0.609	0.636
Latin America, Tropical	0.854	0.851	0.836	0.818	0.800	0.738	0.675	0.609	0.542	0.475	0.450	0.424	0.399	0.373	0.398	0.422	0.447	0.472
Latin America, Central	0.861	0.857	0.842	0.823	0.804	0.740	0.676	0.614	0.551	0.489	0.460	0.432	0.404	0.377	0.402	0.428	0.453	0.478
Latin America, Andean	0.850	0.847	0.833	0.815	0.797	0.736	0.675	0.607	0.540	0.473	0.448	0.423	0.398	0.373	0.397	0.420	0.444	0.468
Caribbean	0.844	0.841	0.827	0.809	0.791	0.730	0.669	0.604	0.538	0.473	0.446	0.419	0.392	0.365	0.388	0.411	0.434	0.457
Female etiology proprtns by age and GBD region, 1990 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.892	0.890	0.884	0.875	0.866	0.769	0.672	0.584	0.495	0.407	0.339	0.273	0.211	0.154	0.208	0.270	0.336	0.404
Latin America, Southern	0.902	0.899	0.890	0.878	0.865	0.826	0.787	0.748	0.709	0.670	0.652	0.634	0.616	0.598	0.615	0.631	0.648	0.664
Europe, Western	0.912	0.910	0.901	0.890	0.879	0.832	0.785	0.737	0.688	0.642	0.613	0.588	0.568	0.543	0.566	0.593	0.615	0.640
Australasia	0.902	0.900	0.891	0.879	0.867	0.809	0.751	0.690	0.628	0.567	0.535	0.503	0.470	0.438	0.472	0.507	0.541	0.576
Asia Pacific, High Income	0.904	0.901	0.891	0.878	0.865	0.787	0.710	0.636	0.560	0.484	0.433	0.384	0.334	0.285	0.336	0.390	0.447	0.503
Europe, Eastern	0.874	0.871	0.860	0.845	0.830	0.792	0.754	0.710	0.666	0.623	0.614	0.603	0.594	0.584	0.590	0.596	0.602	0.607
Europe, Central	0.840	0.837	0.821	0.802	0.783	0.722	0.663	0.596	0.529	0.463	0.436	0.409	0.382	0.356	0.377	0.399	0.421	0.443
Asia, Central	0.856	0.852	0.839	0.821	0.804	0.756	0.709	0.654	0.600	0.545	0.530	0.514	0.498	0.482	0.495	0.509	0.522	0.535
Sub-Saharan Africa, West	0.885	0.883	0.871	0.857	0.843	0.784	0.726	0.667	0.608	0.549	0.520	0.491	0.463	0.434	0.463	0.491	0.520	0.548
Sub-Saharan Africa, Southern	0.887	0.884	0.871	0.856	0.840	0.780	0.720	0.661	0.602	0.543	0.514	0.485	0.456	0.427	0.455	0.484	0.512	0.540
Sub-Saharan Africa, East	0.883	0.880	0.868	0.854	0.839	0.782	0.725	0.668	0.611	0.554	0.527	0.501	0.474	0.447	0.473	0.498	0.524	0.549
Sub-Saharan Africa, Central	0.883	0.880	0.869	0.854	0.840	0.783	0.726	0.668	0.611	0.553	0.522	0.491	0.461	0.430	0.459	0.489	0.518	0.547
North Africa / Middle East	0.883	0.881	0.869	0.854	0.839	0.777	0.714	0.649	0.585	0.520	0.486	0.453	0.420	0.387	0.421	0.455	0.490	0.524
Asia, South	0.883	0.880	0.868	0.853	0.838	0.781	0.723	0.666	0.609	0.552	0.520	0.489	0.458	0.428	0.456	0.484	0.513	0.542
Oceania	0.909	0.907	0.898	0.886	0.875	0.819	0.764	0.710	0.655	0.601	0.569	0.536	0.504	0.471	0.505	0.539	0.573	0.607
Asia, Southeast	0.911	0.908	0.898	0.884	0.870	0.810	0.750	0.696	0.642	0.588	0.556	0.524	0.491	0.459	0.492	0.526	0.559	0.593
Asia, East	0.917	0.915	0.906	0.895	0.884	0.831	0.779	0.725	0.672	0.618	0.587	0.557	0.527	0.496	0.529	0.561	0.594	0.626
Latin America, Tropical	0.872	0.868	0.855	0.838	0.820	0.755	0.690	0.625	0.559	0.493	0.461	0.428	0.395	0.363	0.396	0.429	0.462	0.495
Latin America, Central	0.873	0.870	0.857	0.841	0.825	0.761	0.697	0.629	0.561	0.494	0.460	0.427	0.393	0.360	0.393	0.426	0.459	0.491
Latin America, Andean	0.870	0.867	0.853	0.835	0.817	0.751	0.685	0.618	0.550	0.483	0.452	0.420	0.389	0.358	0.387	0.416	0.445	0.475
Caribbean	0.868	0.864	0.849	0.831	0.812	0.744	0.676	0.610	0.544	0.478	0.446	0.413	0.381	0.349	0.380	0.411	0.441	0.472

Annex Table 21 - Male etiology proportions by age and GBD region, 2005 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.895	0.891	0.878	0.861	0.844	0.769	0.693	0.578	0.463	0.349	0.309	0.270	0.233	0.199	0.242	0.294	0.348	0.402
Latin America, Southern	0.893	0.890	0.878	0.863	0.848	0.810	0.772	0.734	0.696	0.658	0.646	0.633	0.621	0.608	0.619	0.630	0.641	0.652
Europe, Western	0.902	0.899	0.889	0.877	0.865	0.823	0.781	0.739	0.694	0.650	0.627	0.605	0.584	0.558	0.576	0.603	0.624	0.648
Australasia	0.894	0.891	0.880	0.866	0.852	0.799	0.747	0.693	0.639	0.585	0.558	0.530	0.503	0.475	0.504	0.533	0.562	0.590
Asia Pacific, High Income	0.894	0.891	0.881	0.867	0.853	0.781	0.710	0.637	0.564	0.493	0.452	0.407	0.363	0.321	0.366	0.414	0.462	0.511
Europe, Eastern	0.868	0.865	0.851	0.834	0.818	0.781	0.745	0.703	0.661	0.620	0.616	0.612	0.608	0.603	0.608	0.613	0.617	0.621
Europe, Central	0.823	0.818	0.802	0.780	0.759	0.701	0.648	0.579	0.511	0.445	0.426	0.408	0.391	0.373	0.385	0.397	0.409	0.420
Asia, Central	0.843	0.839	0.824	0.804	0.786	0.739	0.695	0.638	0.582	0.527	0.519	0.510	0.501	0.493	0.497	0.502	0.506	0.511
Sub-Saharan Africa, West	0.872	0.869	0.856	0.840	0.823	0.769	0.715	0.662	0.610	0.557	0.532	0.507	0.483	0.458	0.481	0.504	0.528	0.551
Sub-Saharan Africa, Southern	0.874	0.871	0.857	0.839	0.821	0.766	0.711	0.656	0.600	0.545	0.521	0.497	0.474	0.450	0.471	0.493	0.514	0.535
Sub-Saharan Africa, East	0.869	0.867	0.855	0.840	0.824	0.772	0.720	0.665	0.611	0.557	0.535	0.513	0.491	0.469	0.487	0.505	0.523	0.541
Sub-Saharan Africa, Central	0.875	0.872	0.860	0.844	0.827	0.773	0.719	0.661	0.602	0.543	0.519	0.496	0.473	0.449	0.471	0.493	0.515	0.537
North Africa / Middle East	0.869	0.866	0.853	0.836	0.819	0.761	0.702	0.641	0.579	0.517	0.491	0.465	0.438	0.412	0.437	0.463	0.488	0.513
Asia, South	0.871	0.868	0.856	0.840	0.824	0.771	0.718	0.665	0.611	0.557	0.533	0.508	0.483	0.458	0.481	0.503	0.525	0.548
Oceania	0.896	0.893	0.884	0.872	0.860	0.811	0.761	0.707	0.653	0.599	0.575	0.551	0.527	0.503	0.528	0.552	0.577	0.601
Asia, Southeast	0.897	0.895	0.884	0.871	0.858	0.806	0.755	0.708	0.660	0.613	0.573	0.533	0.493	0.453	0.489	0.524	0.560	0.595
Asia, East	0.906	0.903	0.895	0.884	0.873	0.825	0.776	0.727	0.677	0.628	0.604	0.580	0.556	0.533	0.556	0.580	0.603	0.627
Latin America, Tropical	0.854	0.851	0.836	0.817	0.799	0.736	0.673	0.610	0.547	0.484	0.456	0.428	0.401	0.373	0.398	0.424	0.449	0.475
Latin America, Central	0.858	0.854	0.841	0.825	0.808	0.746	0.685	0.620	0.554	0.489	0.464	0.438	0.413	0.389	0.413	0.438	0.463	0.488
Latin America, Andean	0.853	0.850	0.835	0.817	0.798	0.737	0.676	0.613	0.550	0.488	0.461	0.433	0.406	0.379	0.404	0.428	0.452	0.476
Caribbean	0.848	0.844	0.828	0.809	0.789	0.728	0.667	0.600	0.532	0.465	0.439	0.413	0.387	0.361	0.385	0.410	0.434	0.459
Female etiology proportions by age and GBD region, 2005 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.895	0.894	0.889	0.882	0.876	0.779	0.683	0.590	0.497	0.405	0.337	0.271	0.209	0.153	0.204	0.266	0.333	0.400
Latin America, Southern	0.904	0.901	0.891	0.877	0.864	0.823	0.782	0.742	0.701	0.660	0.644	0.628	0.612	0.596	0.613	0.630	0.647	0.664
Europe, Western	0.911	0.909	0.900	0.888	0.876	0.829	0.784	0.740	0.694	0.648	0.622	0.597	0.573	0.544	0.565	0.596	0.621	0.646
Australasia	0.903	0.901	0.891	0.878	0.865	0.807	0.750	0.692	0.634	0.576	0.545	0.514	0.482	0.451	0.483	0.515	0.547	0.579
Asia Pacific, High Income	0.903	0.901	0.892	0.879	0.867	0.790	0.714	0.635	0.557	0.479	0.433	0.383	0.334	0.290	0.336	0.387	0.440	0.494
Europe, Eastern	0.883	0.880	0.866	0.850	0.834	0.795	0.757	0.717	0.678	0.640	0.633	0.625	0.618	0.609	0.615	0.621	0.626	0.631
Europe, Central	0.842	0.838	0.822	0.803	0.783	0.721	0.660	0.593	0.525	0.459	0.434	0.409	0.384	0.360	0.380	0.402	0.423	0.445
Asia, Central	0.859	0.855	0.841	0.824	0.806	0.758	0.711	0.656	0.601	0.547	0.531	0.515	0.499	0.483	0.497	0.512	0.526	0.541
Sub-Saharan Africa, West	0.883	0.880	0.870	0.856	0.843	0.787	0.731	0.672	0.613	0.554	0.525	0.497	0.468	0.440	0.468	0.497	0.526	0.555
Sub-Saharan Africa, Southern	0.881	0.878	0.867	0.854	0.840	0.785	0.730	0.668	0.606	0.544	0.519	0.495	0.470	0.445	0.472	0.500	0.527	0.554
Sub-Saharan Africa, East	0.883	0.880	0.869	0.855	0.840	0.784	0.727	0.670	0.612	0.554	0.525	0.495	0.465	0.435	0.466	0.496	0.526	0.556
Sub-Saharan Africa, Central	0.883	0.880	0.869	0.855	0.842	0.785	0.728	0.671	0.614	0.557	0.525	0.493	0.461	0.430	0.459	0.488	0.518	0.547
North Africa / Middle East	0.884	0.881	0.869	0.853	0.837	0.773	0.709	0.646	0.582	0.518	0.483	0.448	0.413	0.378	0.413	0.449	0.484	0.519
Asia, South	0.879	0.876	0.865	0.851	0.837	0.783	0.729	0.668	0.607	0.546	0.520	0.494	0.469	0.443	0.467	0.492	0.516	0.540
Oceania	0.909	0.907	0.898	0.887	0.875	0.819	0.762	0.708	0.654	0.600	0.568	0.537	0.506	0.474	0.506	0.537	0.569	0.600
Asia, Southeast	0.910	0.908	0.898	0.885	0.872	0.813	0.755	0.704	0.653	0.603	0.560	0.518	0.475	0.433	0.471	0.509	0.547	0.585
Asia, East	0.919	0.916	0.908	0.897	0.887	0.833	0.779	0.728	0.676	0.625	0.593	0.561	0.529	0.497	0.530	0.563	0.596	0.629
Latin America, Tropical	0.866	0.863	0.850	0.833	0.816	0.750	0.685	0.620	0.556	0.491	0.456	0.421	0.385	0.350	0.385	0.420	0.455	0.490
Latin America, Central	0.874	0.870	0.857	0.840	0.823	0.757	0.691	0.629	0.566	0.504	0.468	0.433	0.397	0.362	0.395	0.429	0.463	0.497
Latin America, Andean	0.870	0.867	0.853	0.836	0.818	0.753	0.688	0.621	0.555	0.488	0.454	0.421	0.387	0.355	0.388	0.422	0.456	0.490
Caribbean	0.864	0.861	0.847	0.829	0.811	0.744	0.677	0.608	0.539	0.470	0.437	0.406	0.374	0.343	0.374	0.406	0.437	0.469

Annex Table 21 - Male etiology proprtrns by age and GBD region, 2010 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.897	0.894	0.881	0.863	0.846	0.773	0.701	0.590	0.480	0.370	0.329	0.289	0.250	0.212	0.260	0.312	0.365	0.418
Latin America, Southern	0.891	0.888	0.877	0.863	0.849	0.811	0.772	0.734	0.695	0.657	0.644	0.630	0.616	0.603	0.616	0.628	0.641	0.654
Europe, Western	0.899	0.897	0.888	0.876	0.864	0.822	0.781	0.742	0.702	0.660	0.633	0.607	0.582	0.558	0.577	0.596	0.623	0.645
Australasia	0.891	0.888	0.877	0.864	0.850	0.797	0.744	0.690	0.636	0.581	0.555	0.528	0.501	0.475	0.501	0.528	0.554	0.580
Asia Pacific, High Income	0.891	0.888	0.878	0.866	0.854	0.786	0.718	0.645	0.572	0.502	0.459	0.416	0.369	0.324	0.368	0.418	0.468	0.517
Europe, Eastern	0.871	0.867	0.854	0.836	0.820	0.784	0.749	0.707	0.666	0.625	0.623	0.620	0.617	0.614	0.614	0.617	0.618	0.620
Europe, Central	0.818	0.814	0.798	0.778	0.759	0.703	0.650	0.583	0.515	0.450	0.430	0.412	0.394	0.377	0.390	0.403	0.416	0.429
Asia, Central	0.846	0.842	0.825	0.805	0.786	0.738	0.693	0.638	0.584	0.531	0.520	0.510	0.500	0.490	0.494	0.499	0.504	0.509
Sub-Saharan Africa, West	0.869	0.866	0.854	0.838	0.823	0.770	0.717	0.662	0.607	0.552	0.529	0.506	0.483	0.460	0.480	0.500	0.520	0.540
Sub-Saharan Africa, Southern	0.866	0.864	0.852	0.837	0.821	0.768	0.715	0.659	0.602	0.546	0.521	0.497	0.472	0.447	0.471	0.494	0.518	0.541
Sub-Saharan Africa, East	0.870	0.867	0.855	0.839	0.824	0.770	0.717	0.659	0.601	0.543	0.521	0.499	0.477	0.455	0.476	0.497	0.517	0.538
Sub-Saharan Africa, Central	0.872	0.869	0.855	0.838	0.822	0.767	0.712	0.655	0.598	0.540	0.519	0.498	0.476	0.455	0.478	0.500	0.522	0.545
North Africa / Middle East	0.868	0.865	0.853	0.838	0.822	0.765	0.708	0.644	0.579	0.515	0.488	0.462	0.435	0.409	0.436	0.462	0.489	0.516
Asia, South	0.872	0.869	0.856	0.840	0.823	0.770	0.717	0.663	0.608	0.554	0.532	0.510	0.489	0.467	0.486	0.504	0.523	0.542
Oceania	0.899	0.896	0.887	0.874	0.862	0.811	0.760	0.708	0.655	0.603	0.574	0.546	0.517	0.488	0.516	0.544	0.573	0.601
Asia, Southeast	0.897	0.894	0.884	0.871	0.858	0.806	0.754	0.708	0.663	0.618	0.575	0.533	0.490	0.448	0.485	0.523	0.561	0.599
Asia, East	0.907	0.905	0.896	0.884	0.872	0.822	0.773	0.724	0.674	0.625	0.599	0.573	0.547	0.521	0.548	0.576	0.603	0.630
Latin America, Tropical	0.853	0.850	0.836	0.818	0.800	0.739	0.678	0.612	0.546	0.480	0.454	0.427	0.401	0.375	0.399	0.423	0.446	0.470
Latin America, Central	0.861	0.858	0.844	0.826	0.808	0.746	0.685	0.624	0.563	0.502	0.471	0.440	0.409	0.378	0.407	0.435	0.464	0.492
Latin America, Andean	0.857	0.853	0.838	0.819	0.800	0.739	0.677	0.615	0.553	0.491	0.464	0.436	0.409	0.382	0.407	0.433	0.459	0.485
Caribbean	0.846	0.842	0.827	0.808	0.789	0.727	0.665	0.599	0.534	0.469	0.442	0.415	0.388	0.362	0.387	0.412	0.437	0.462
Female etiology proprtrns by age and GBD region, 2010 - Unspecified/other causes																		
GBD Region	0-364 days	1-4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80+ years
North America, High Income	0.895	0.894	0.889	0.882	0.875	0.778	0.681	0.588	0.496	0.403	0.334	0.268	0.207	0.152	0.201	0.261	0.327	0.394
Latin America, Southern	0.901	0.899	0.889	0.876	0.863	0.822	0.781	0.741	0.702	0.662	0.644	0.625	0.607	0.589	0.607	0.625	0.643	0.661
Europe, Western	0.910	0.908	0.899	0.888	0.877	0.832	0.788	0.744	0.701	0.654	0.628	0.602	0.576	0.553	0.575	0.596	0.625	0.650
Australasia	0.903	0.901	0.892	0.879	0.867	0.810	0.752	0.693	0.633	0.574	0.541	0.509	0.476	0.444	0.479	0.513	0.549	0.583
Asia Pacific, High Income	0.902	0.900	0.890	0.878	0.866	0.790	0.716	0.638	0.560	0.484	0.436	0.387	0.333	0.281	0.333	0.391	0.448	0.504
Europe, Eastern	0.881	0.878	0.865	0.849	0.833	0.794	0.755	0.716	0.678	0.639	0.631	0.623	0.615	0.606	0.611	0.615	0.619	0.624
Europe, Central	0.838	0.834	0.820	0.800	0.782	0.720	0.660	0.593	0.527	0.461	0.436	0.410	0.386	0.361	0.383	0.405	0.427	0.450
Asia, Central	0.857	0.853	0.840	0.822	0.805	0.756	0.708	0.655	0.603	0.551	0.533	0.516	0.498	0.481	0.494	0.508	0.521	0.535
Sub-Saharan Africa, West	0.883	0.880	0.868	0.853	0.837	0.779	0.720	0.660	0.600	0.540	0.511	0.482	0.453	0.425	0.454	0.483	0.512	0.541
Sub-Saharan Africa, Southern	0.884	0.881	0.870	0.856	0.842	0.786	0.731	0.675	0.620	0.564	0.535	0.506	0.477	0.449	0.475	0.501	0.527	0.554
Sub-Saharan Africa, East	0.885	0.882	0.870	0.855	0.841	0.783	0.725	0.668	0.610	0.552	0.524	0.496	0.468	0.440	0.466	0.492	0.518	0.544
Sub-Saharan Africa, Central	0.882	0.879	0.868	0.853	0.838	0.780	0.722	0.665	0.608	0.551	0.520	0.489	0.458	0.427	0.456	0.485	0.513	0.542
North Africa / Middle East	0.880	0.877	0.865	0.850	0.835	0.771	0.707	0.642	0.577	0.512	0.478	0.444	0.410	0.376	0.411	0.446	0.481	0.516
Asia, South	0.883	0.880	0.869	0.855	0.841	0.785	0.730	0.667	0.605	0.543	0.516	0.489	0.462	0.434	0.462	0.489	0.516	0.544
Oceania	0.912	0.909	0.900	0.888	0.875	0.819	0.762	0.706	0.651	0.595	0.564	0.532	0.500	0.468	0.499	0.531	0.562	0.593
Asia, Southeast	0.912	0.909	0.898	0.884	0.870	0.812	0.754	0.704	0.655	0.606	0.563	0.520	0.477	0.434	0.473	0.513	0.552	0.592
Asia, East	0.917	0.915	0.906	0.895	0.883	0.830	0.777	0.731	0.684	0.637	0.606	0.575	0.543	0.512	0.542	0.573	0.603	0.634
Latin America, Tropical	0.868	0.864	0.851	0.833	0.816	0.748	0.680	0.614	0.547	0.480	0.446	0.412	0.378	0.344	0.375	0.405	0.436	0.467
Latin America, Central	0.876	0.873	0.860	0.844	0.828	0.762	0.695	0.627	0.560	0.492	0.458	0.424	0.390	0.357	0.389	0.422	0.455	0.489
Latin America, Andean	0.865	0.862	0.849	0.834	0.818	0.752	0.687	0.623	0.559	0.495	0.460	0.425	0.390	0.355	0.386	0.418	0.450	0.482
Caribbean	0.861	0.857	0.843	0.825	0.807	0.740	0.673	0.605	0.537	0.469	0.437	0.405	0.374	0.343	0.374	0.404	0.435	0.466

Appendix

Country-specific estimates for year 2010 of:

- CKD Stage 3 prevalence
- CKD Stage 4 prevalence
- CKD Stage 5 prevalence
- Dialysis prevalence
- Kidney transplantation prevalence
- Dialysis incidence
- Kidney transplantation incidence
- Primary renal diagnosis (PRD) composition
- Mortality from CKD as the primary cause of death (CoD)
- Time trend of mortality rates by cumulative prevalence rates of CKD stages 3-5, dialysis, and transplantation for 1990, 2005, and 2010

Legends

Prevalence graphs

- Raw data, not sex-specific
- Raw data, sex-specific
- Model estimates
- 95% CI estimates

CKD as CoD graphs

- Raw data, sex-specific
- Model estimates
- 95% CI estimates

Incidence graphs

- Raw data, not sex-specific
- Raw data, sex-specific
- Model estimates
- 95% CI estimates

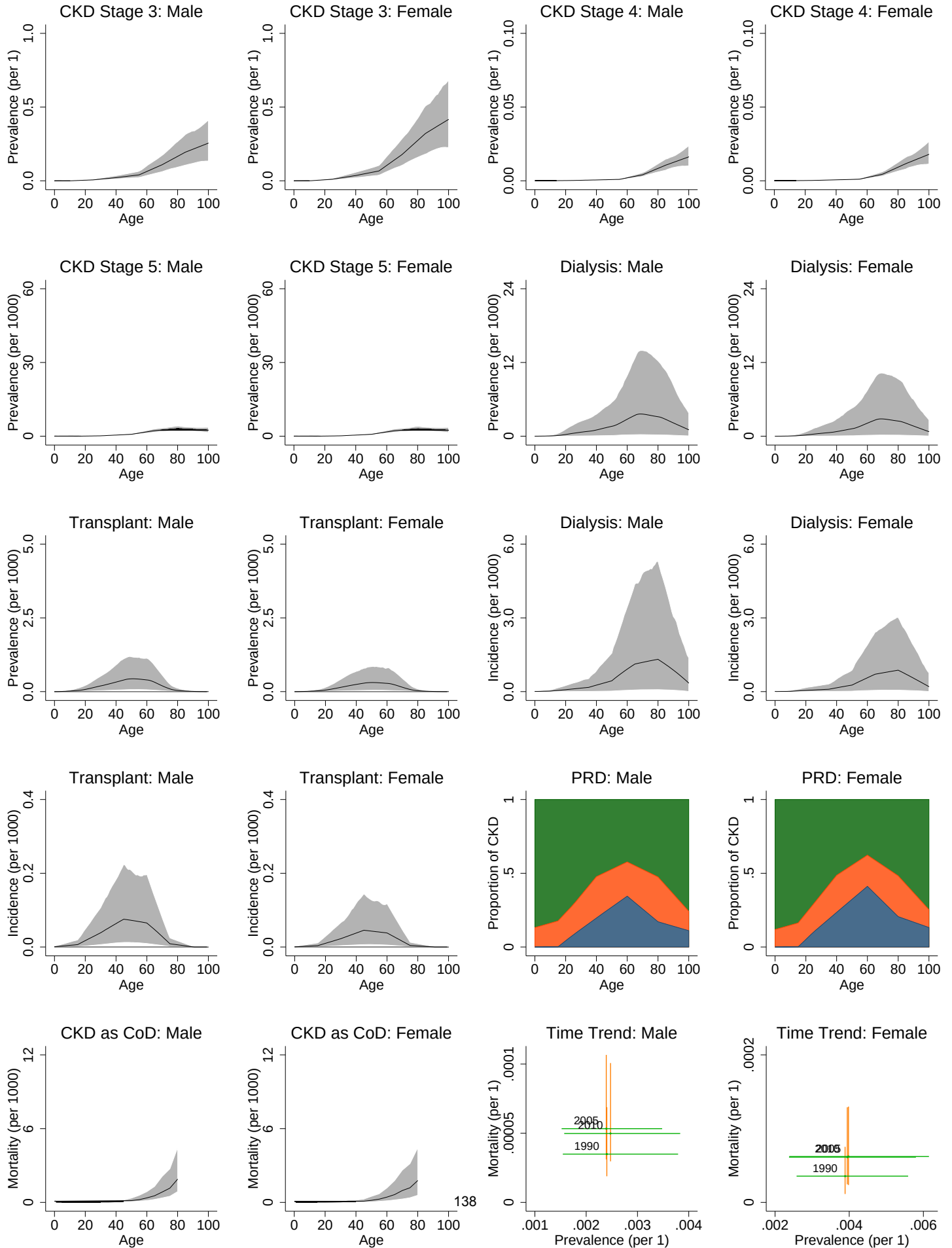
Time Trend of mortality and prevalence graphs

- Mortality estimate with 95% CI
- Prevalence estimate with 95% CI

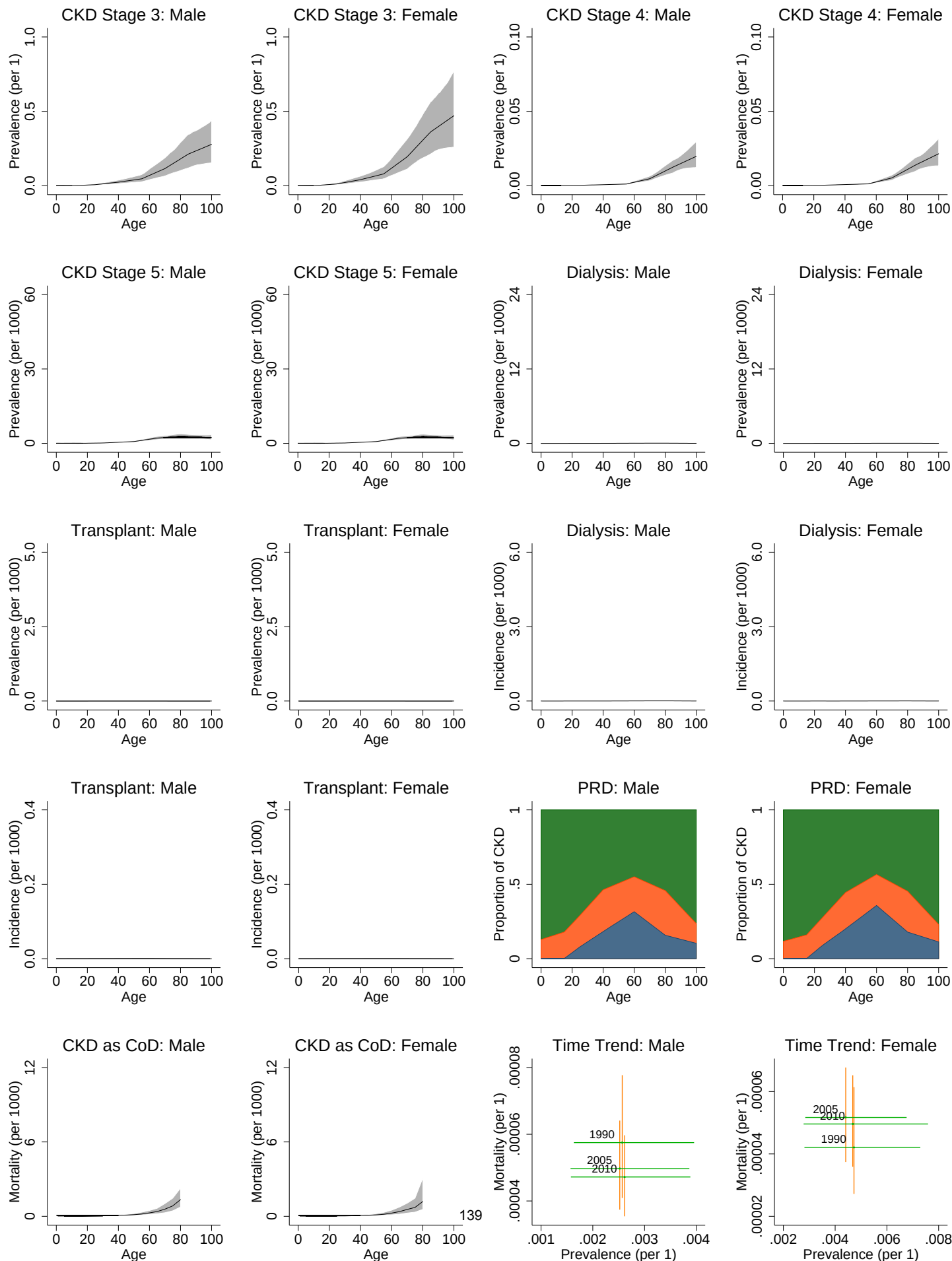
PRD composition graphs

- Diabetes mellitus
- Hypertension
- Unspecified/other causes

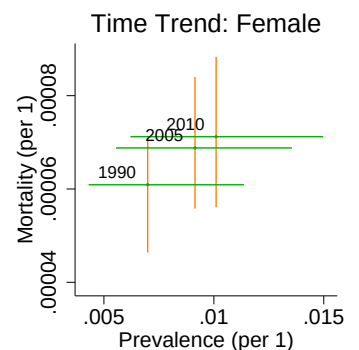
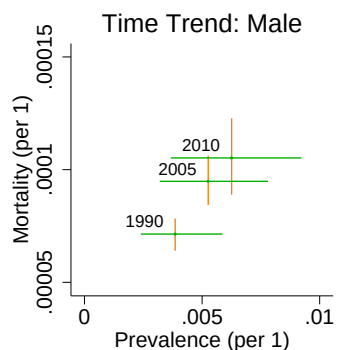
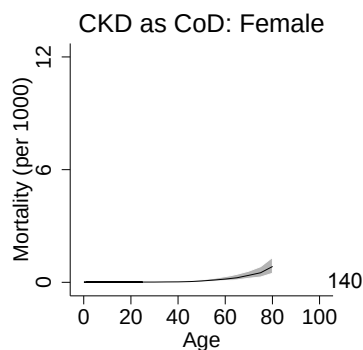
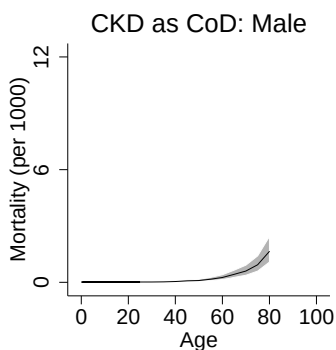
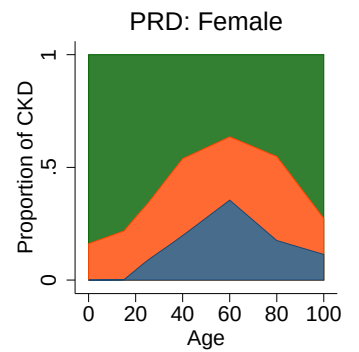
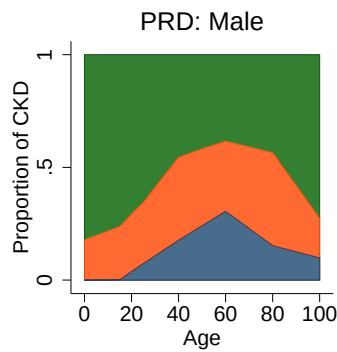
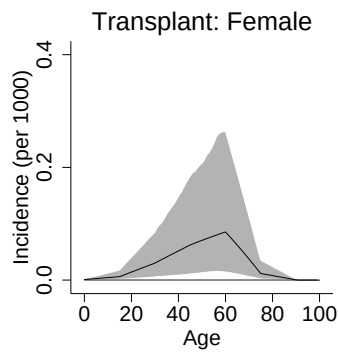
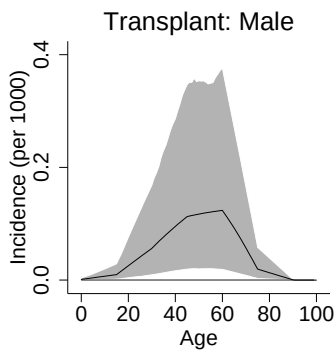
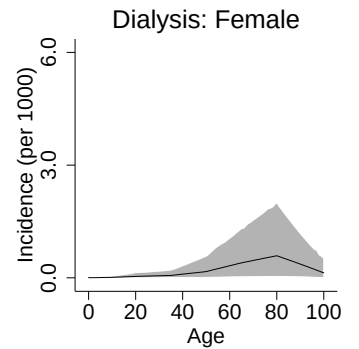
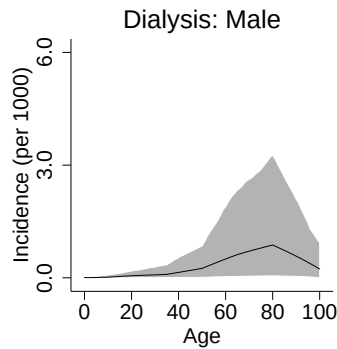
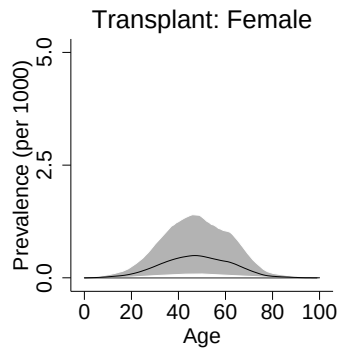
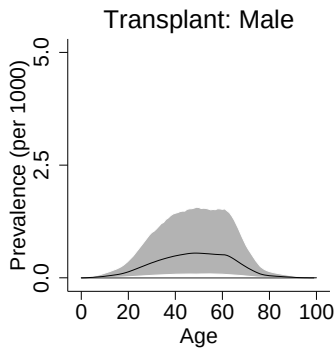
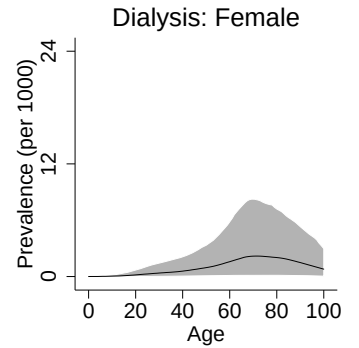
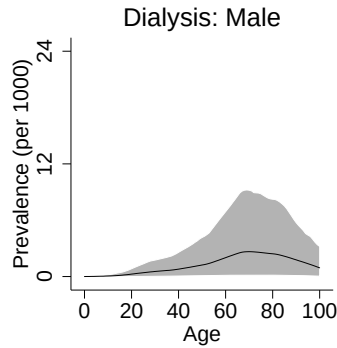
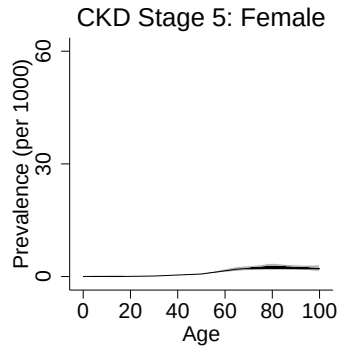
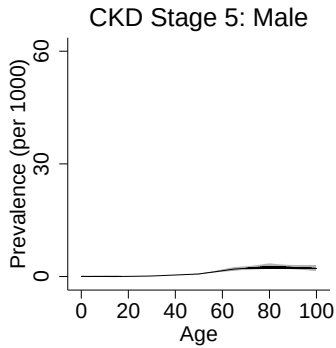
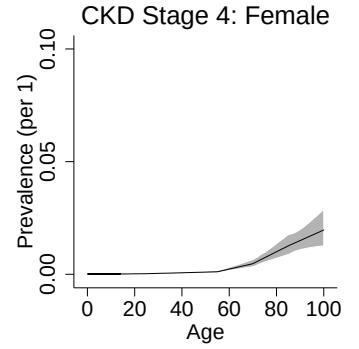
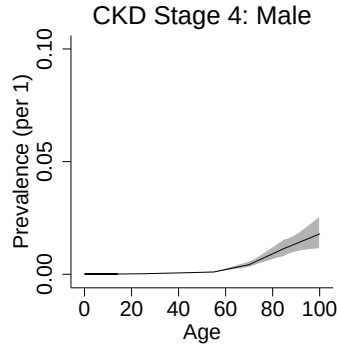
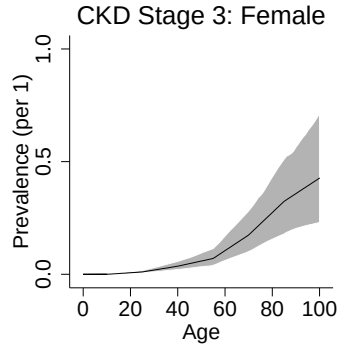
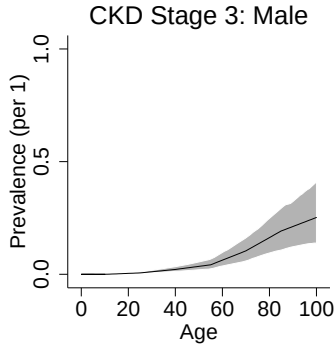
AFG 2010 Estimates



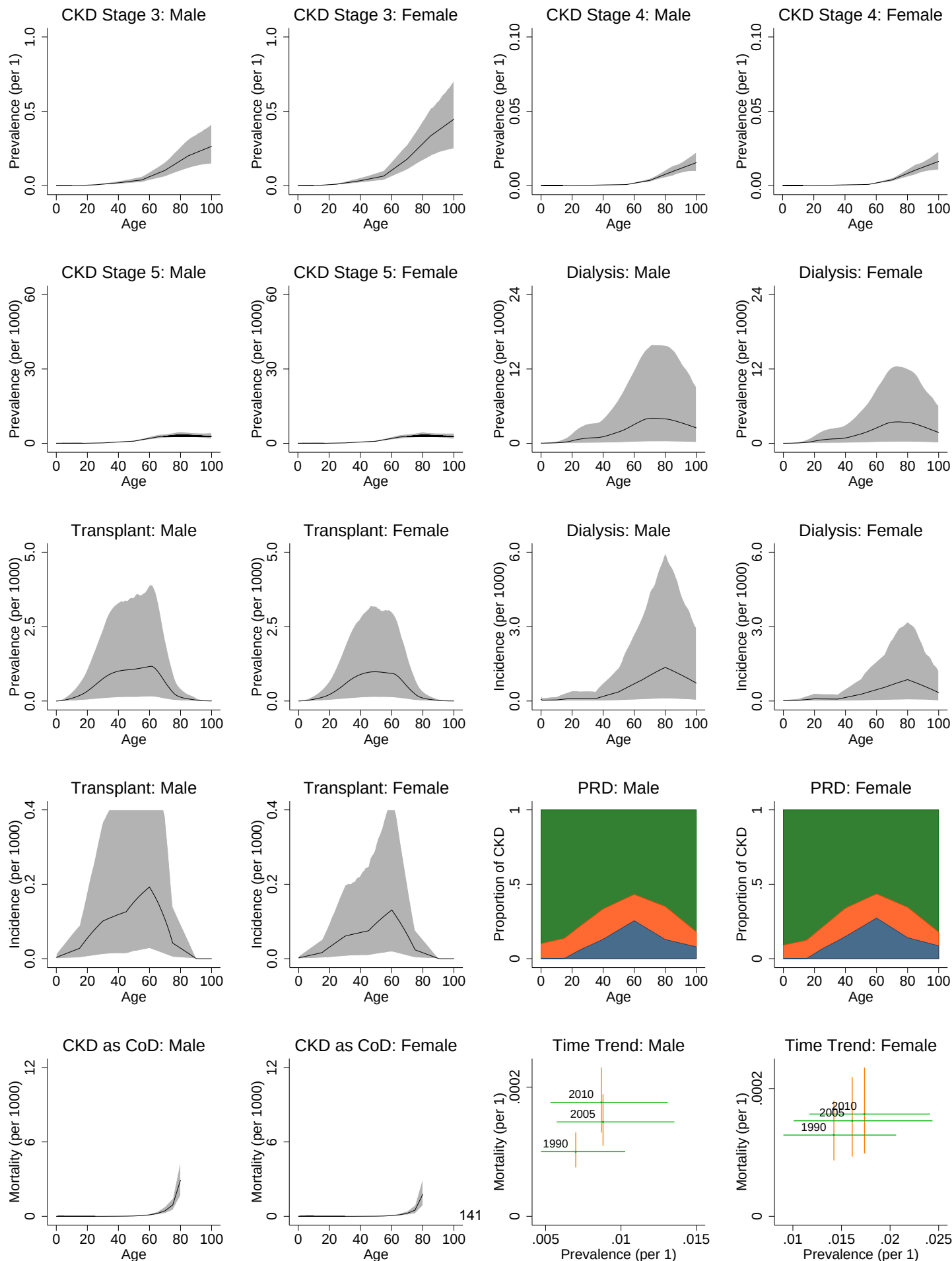
AGO 2010 Estimates



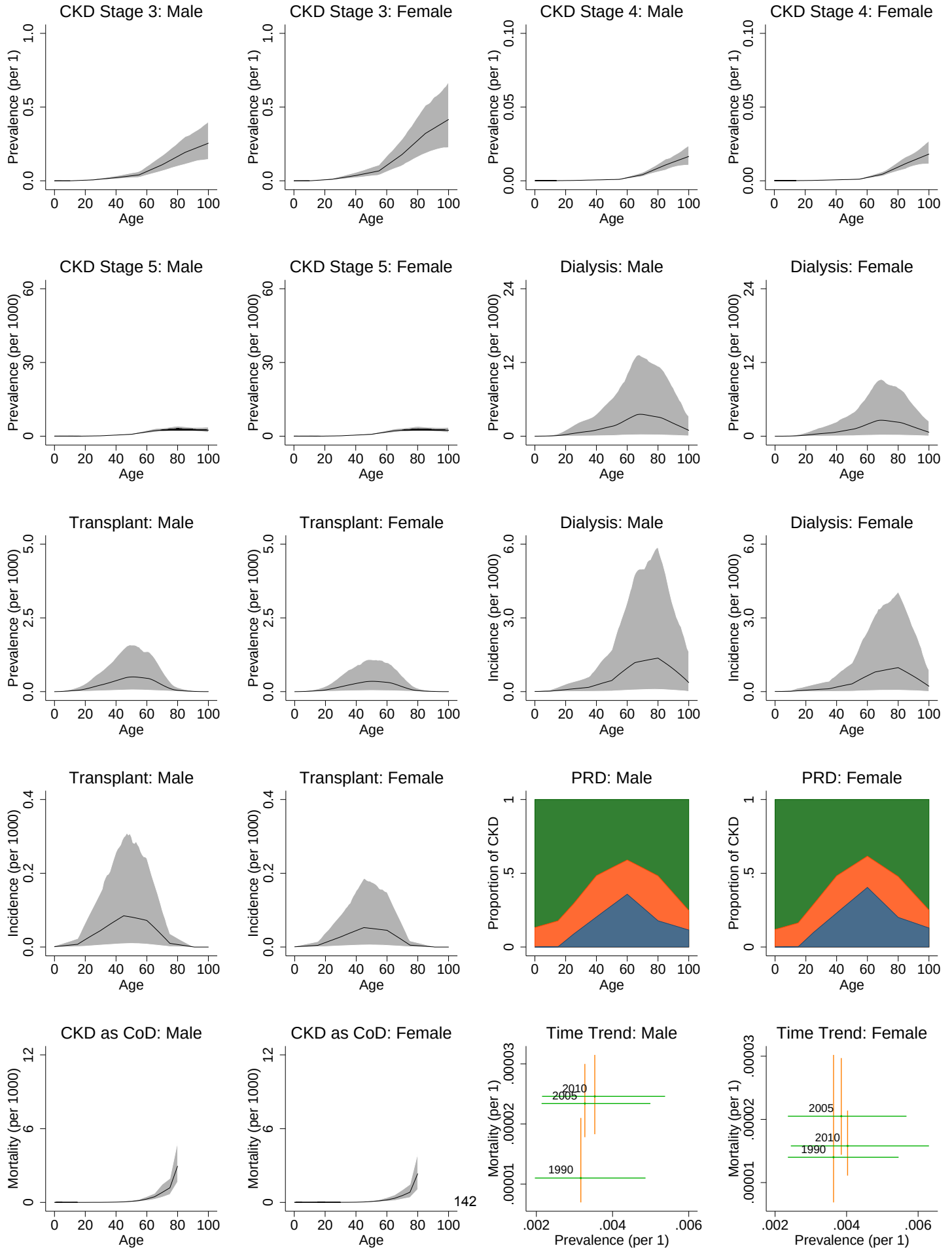
ALB 2010 Estimates



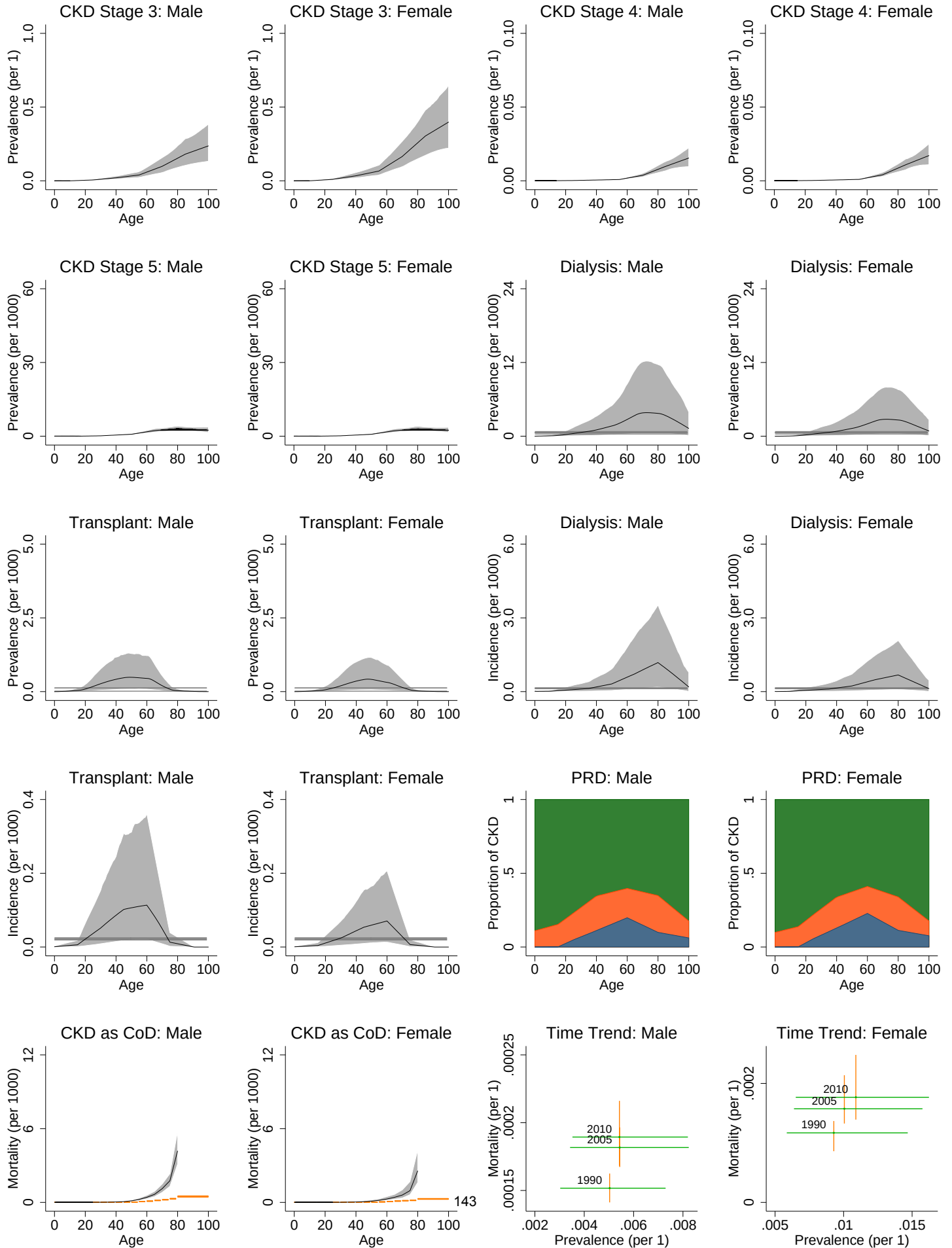
AND 2010 Estimates



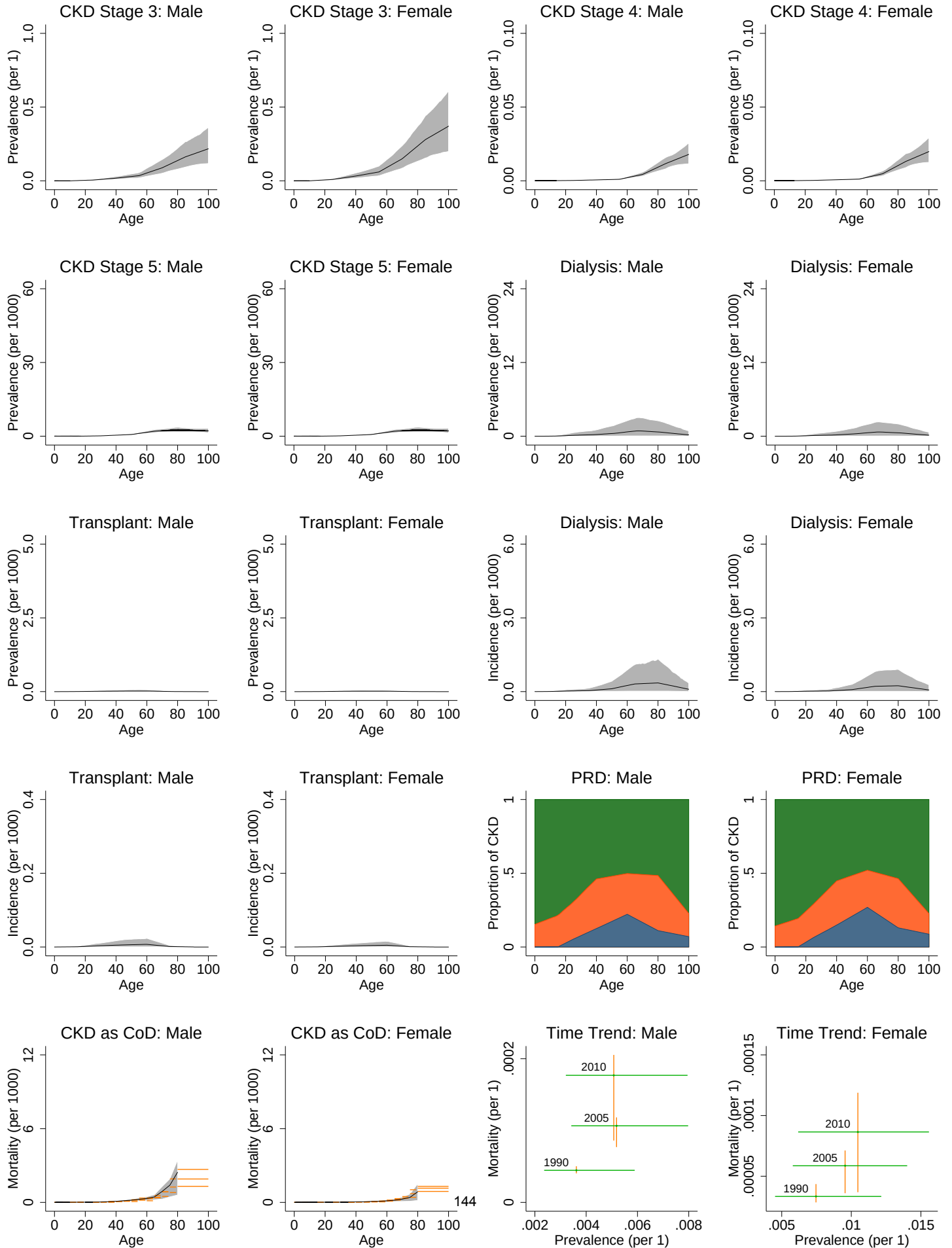
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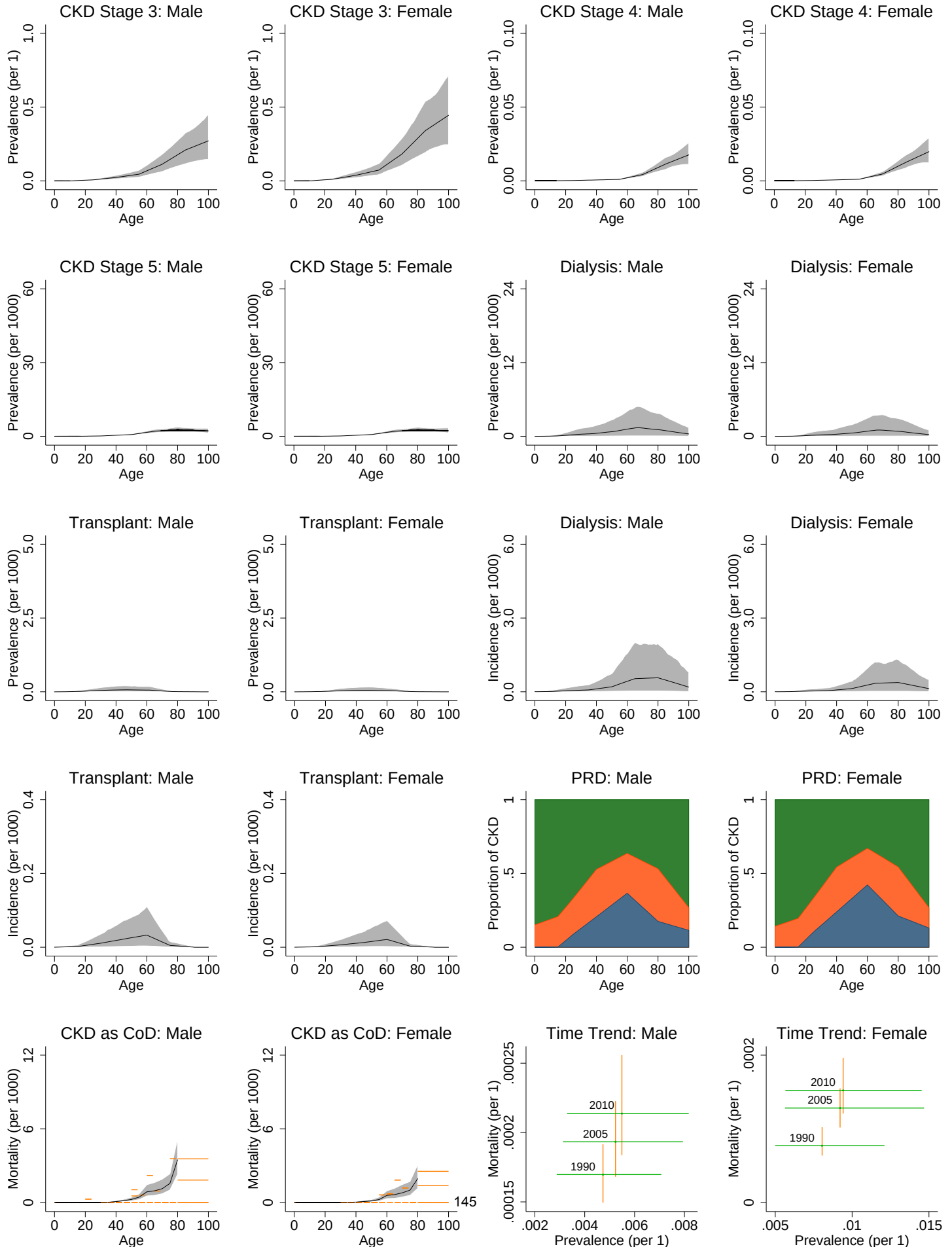
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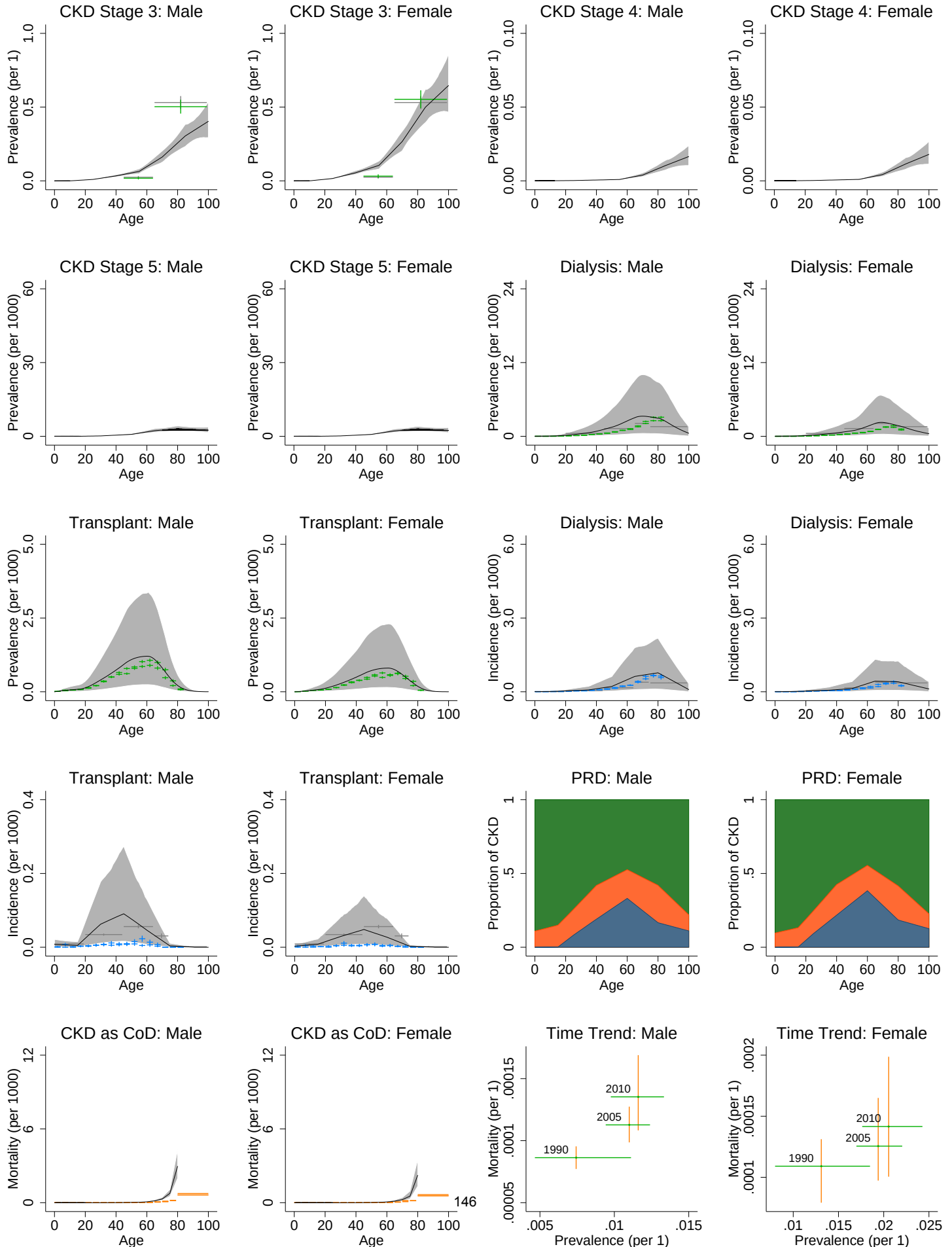
ARM 2010 Estimates



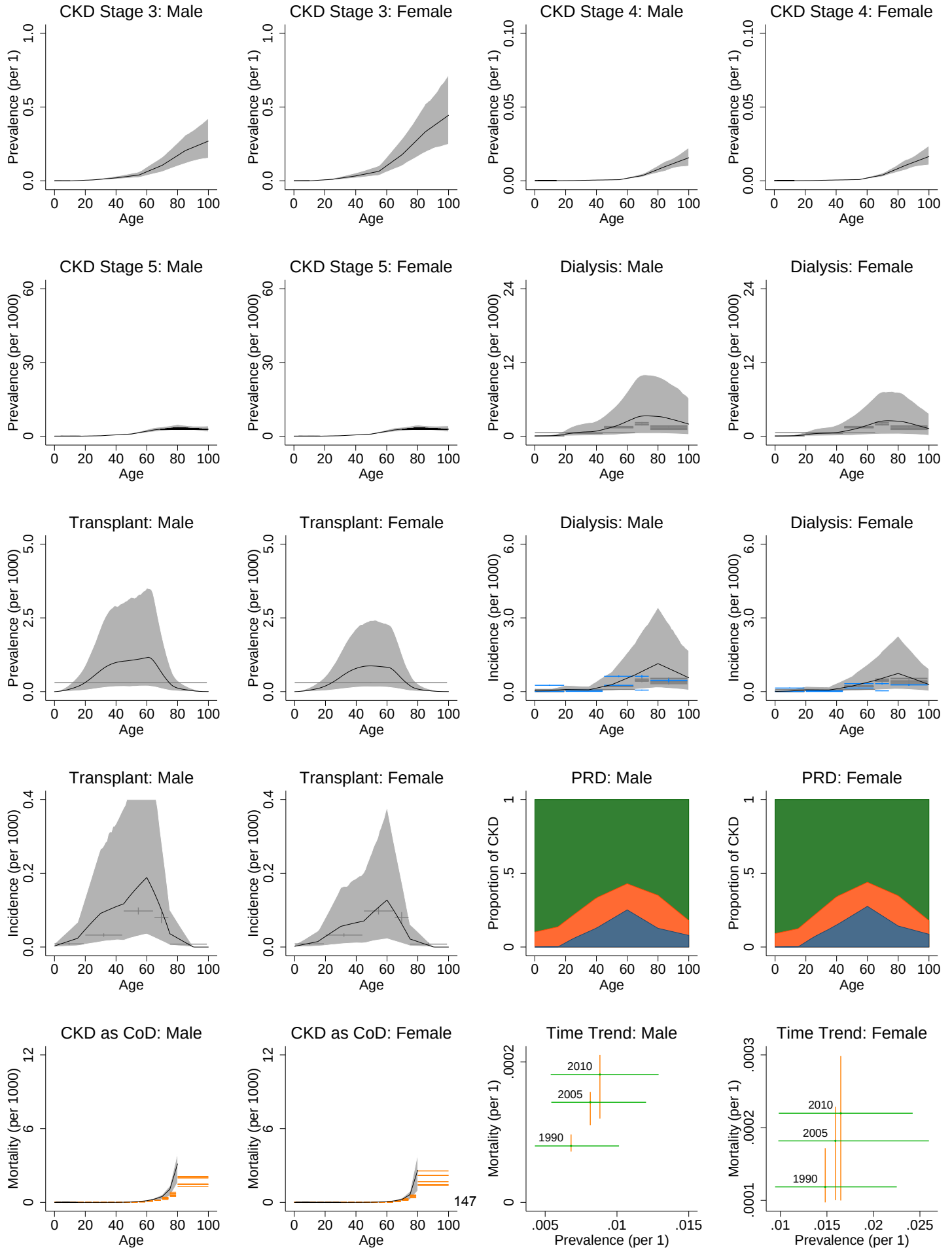
ATG 2010 Estimates



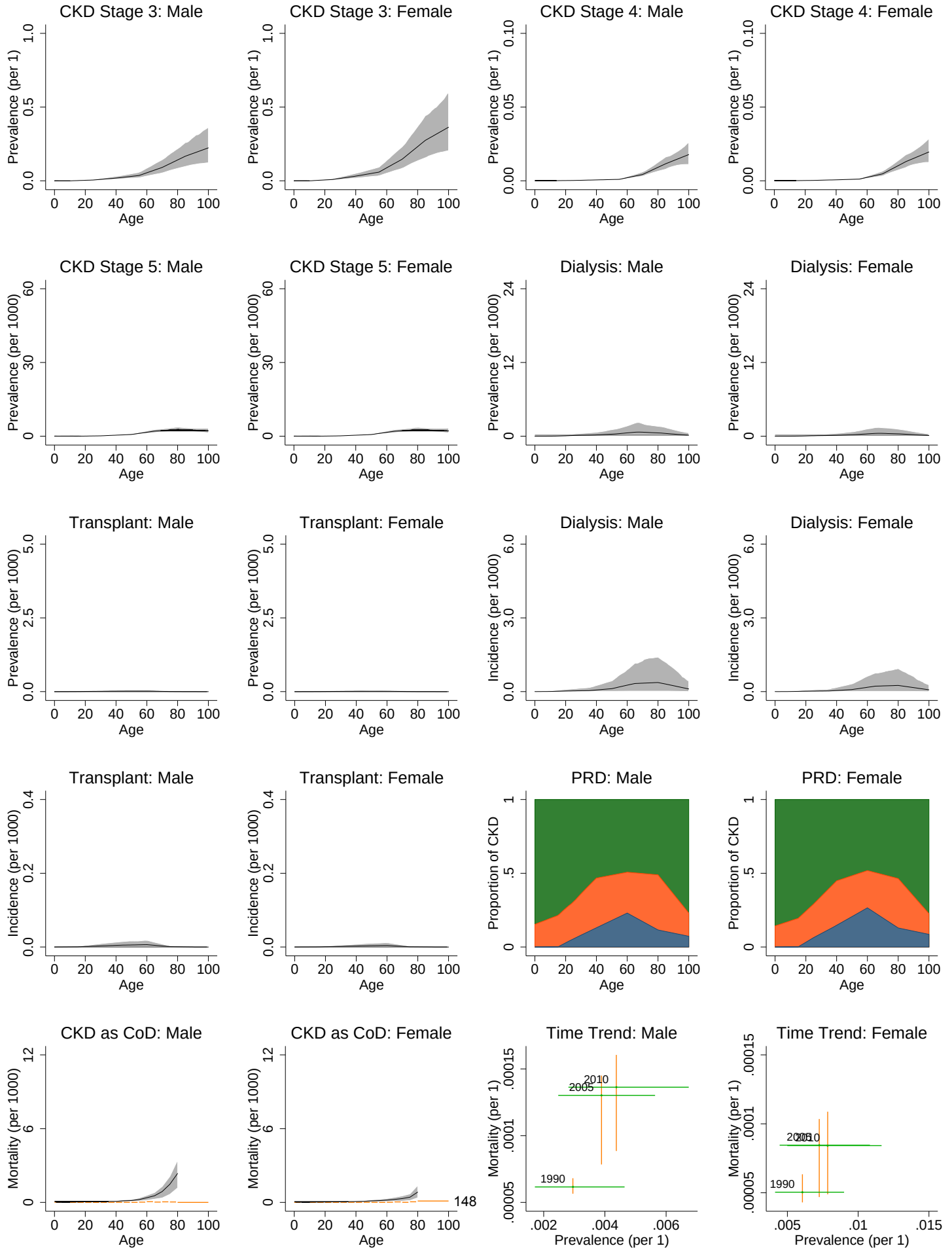
AUS 2010 Estimates



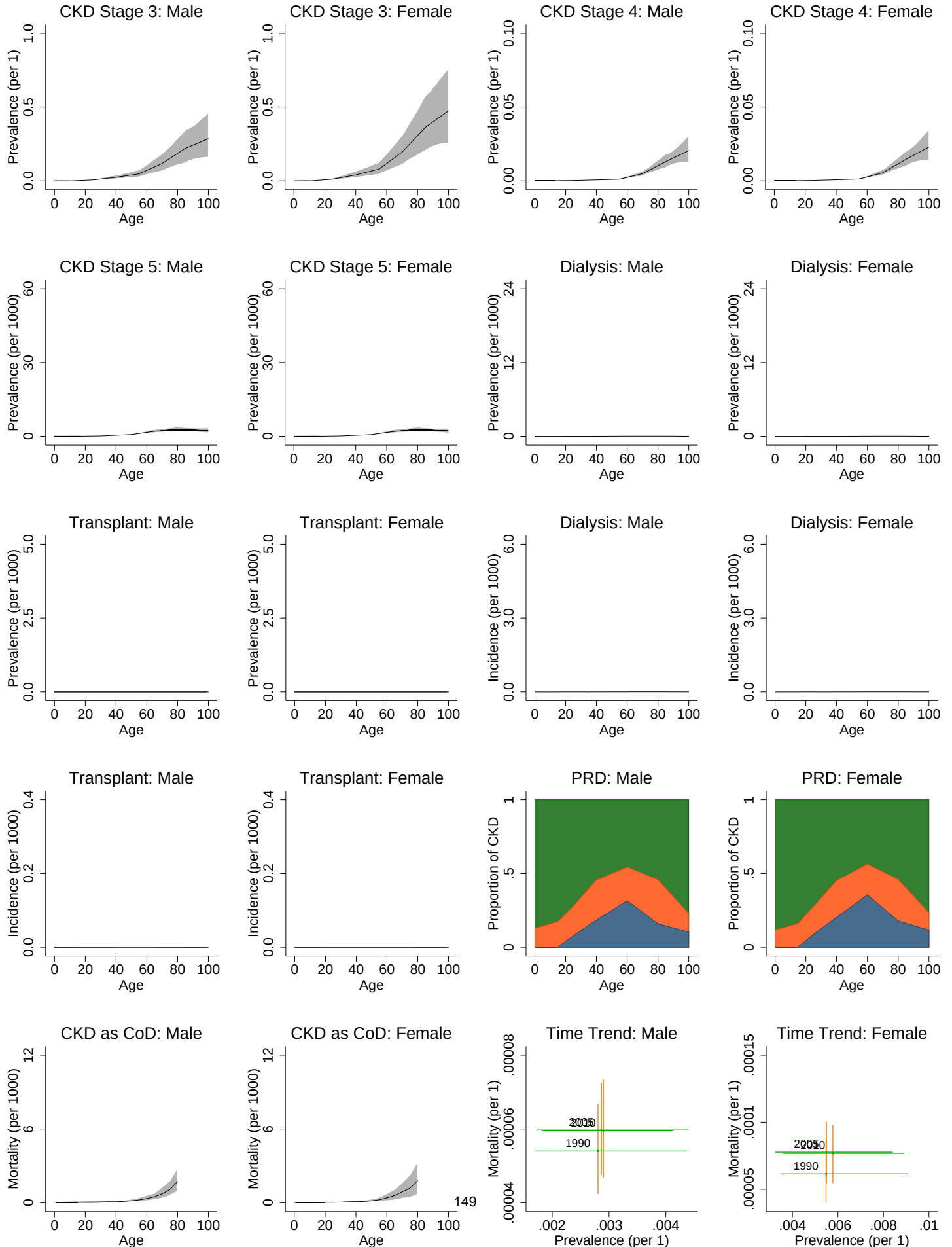
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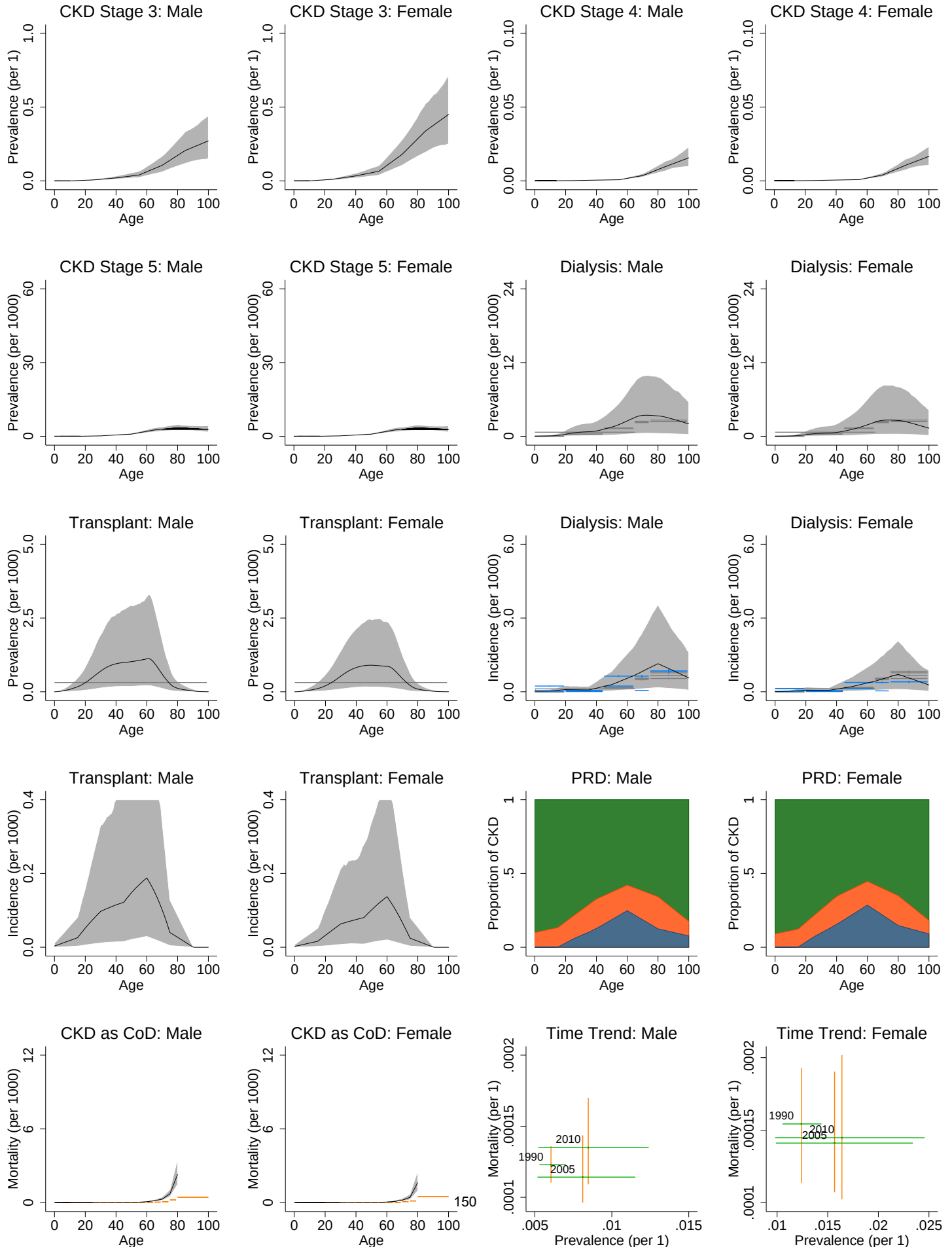
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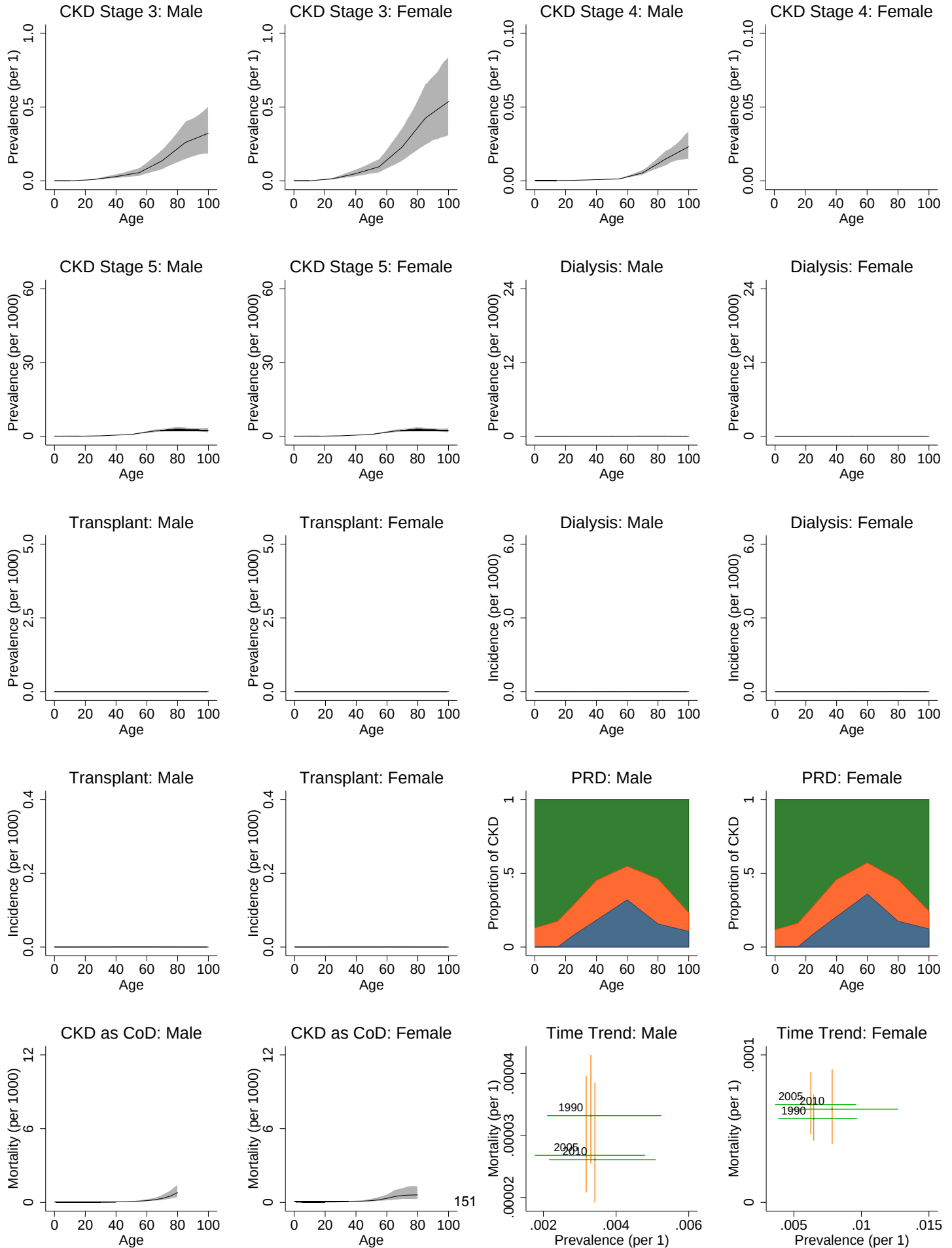
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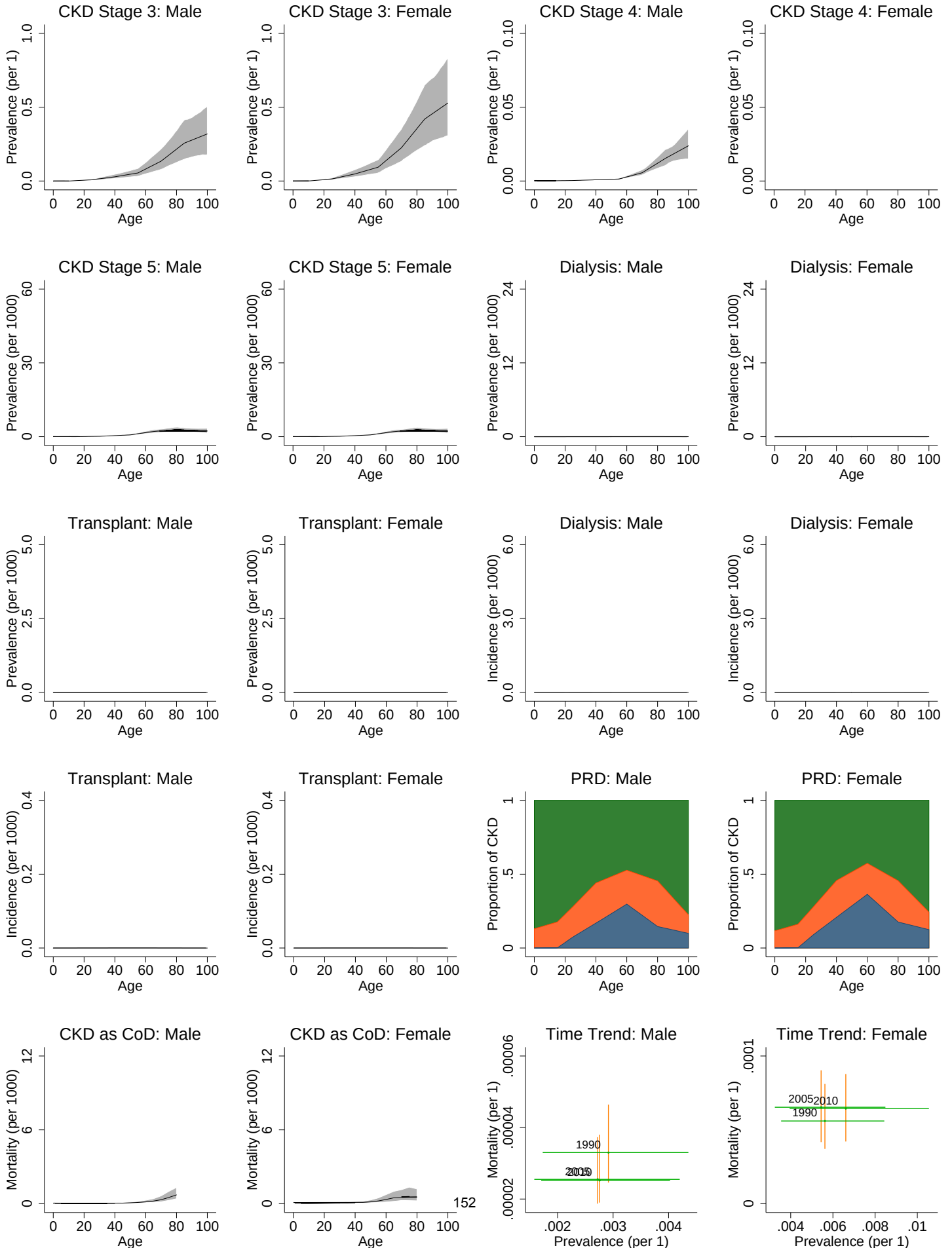
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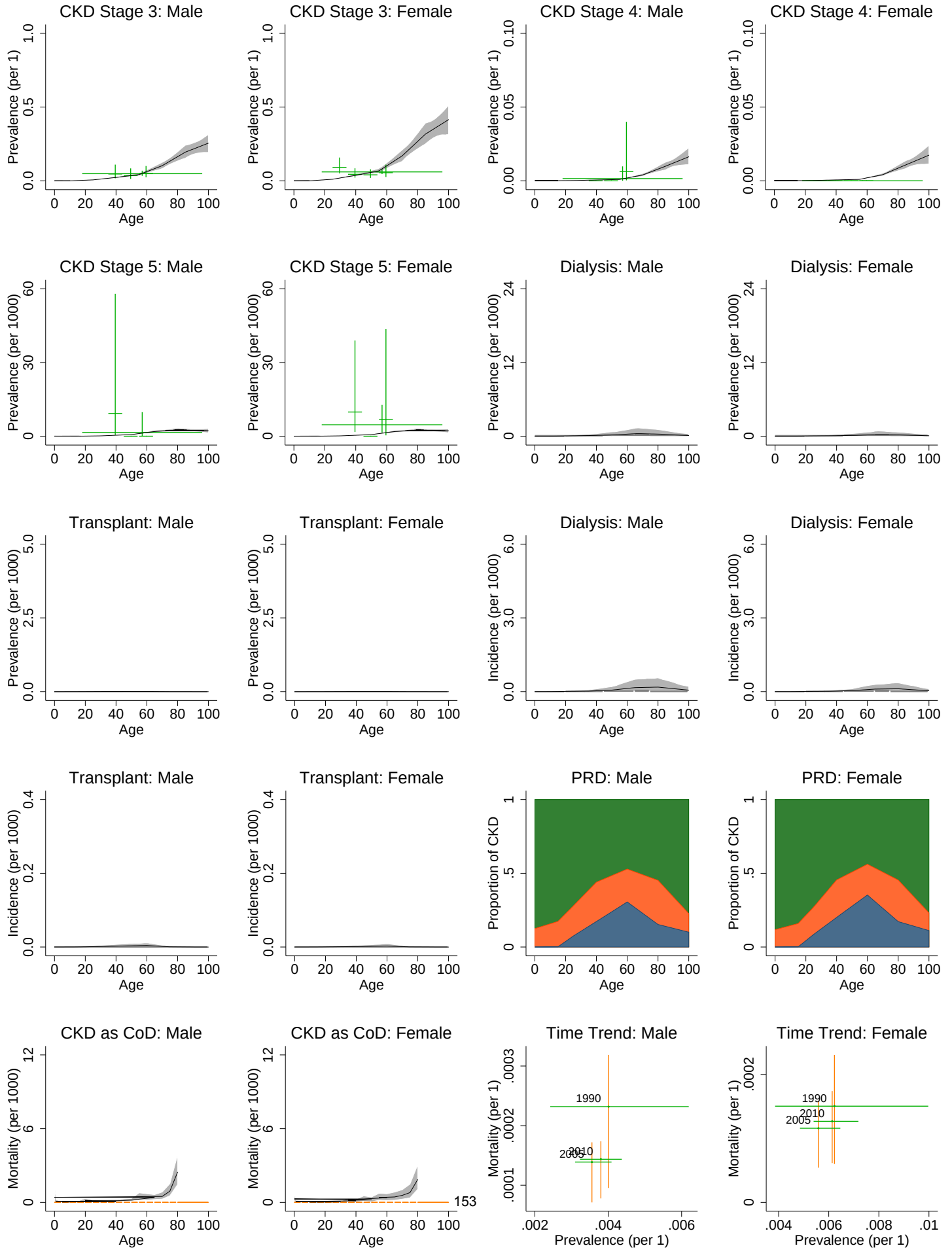
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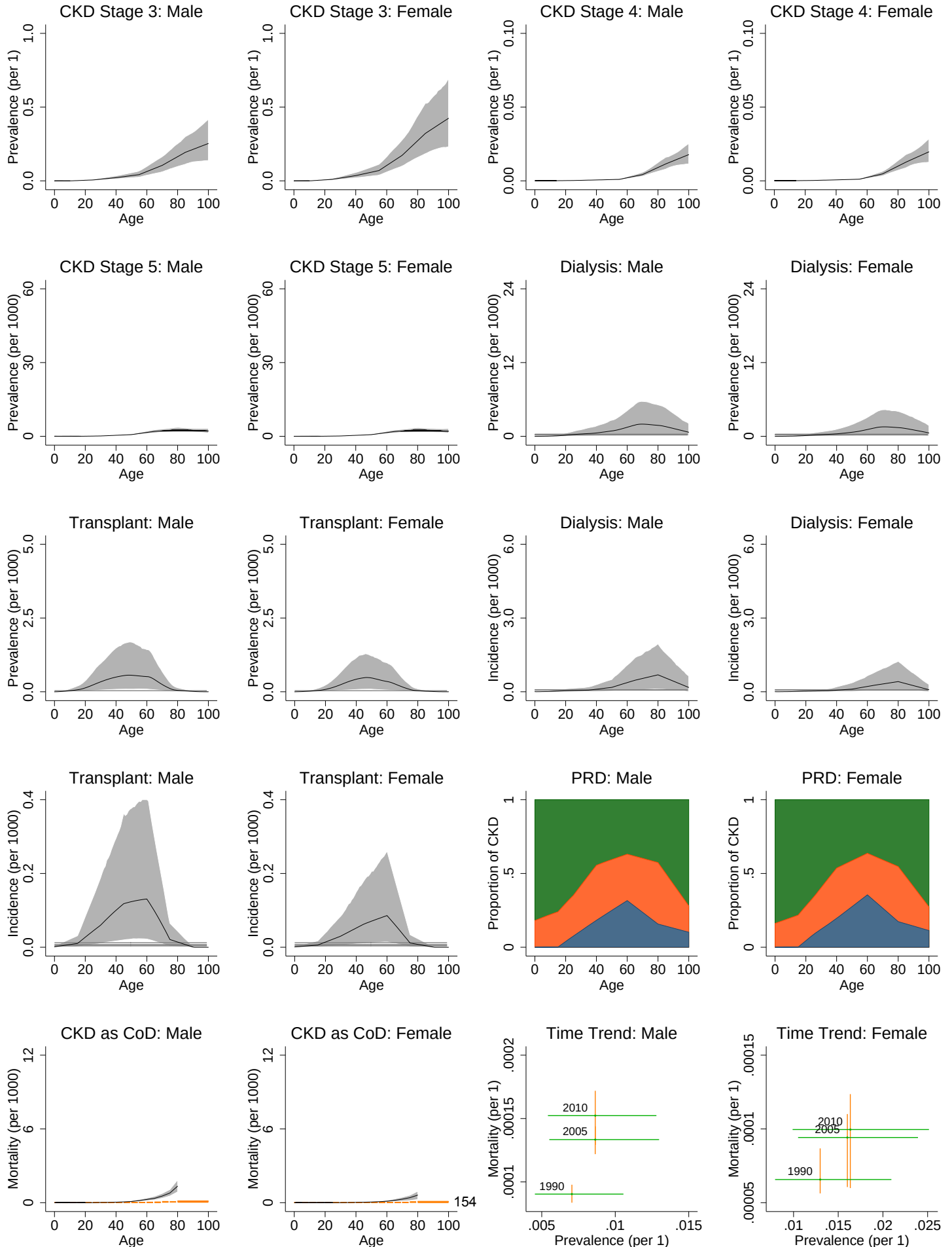
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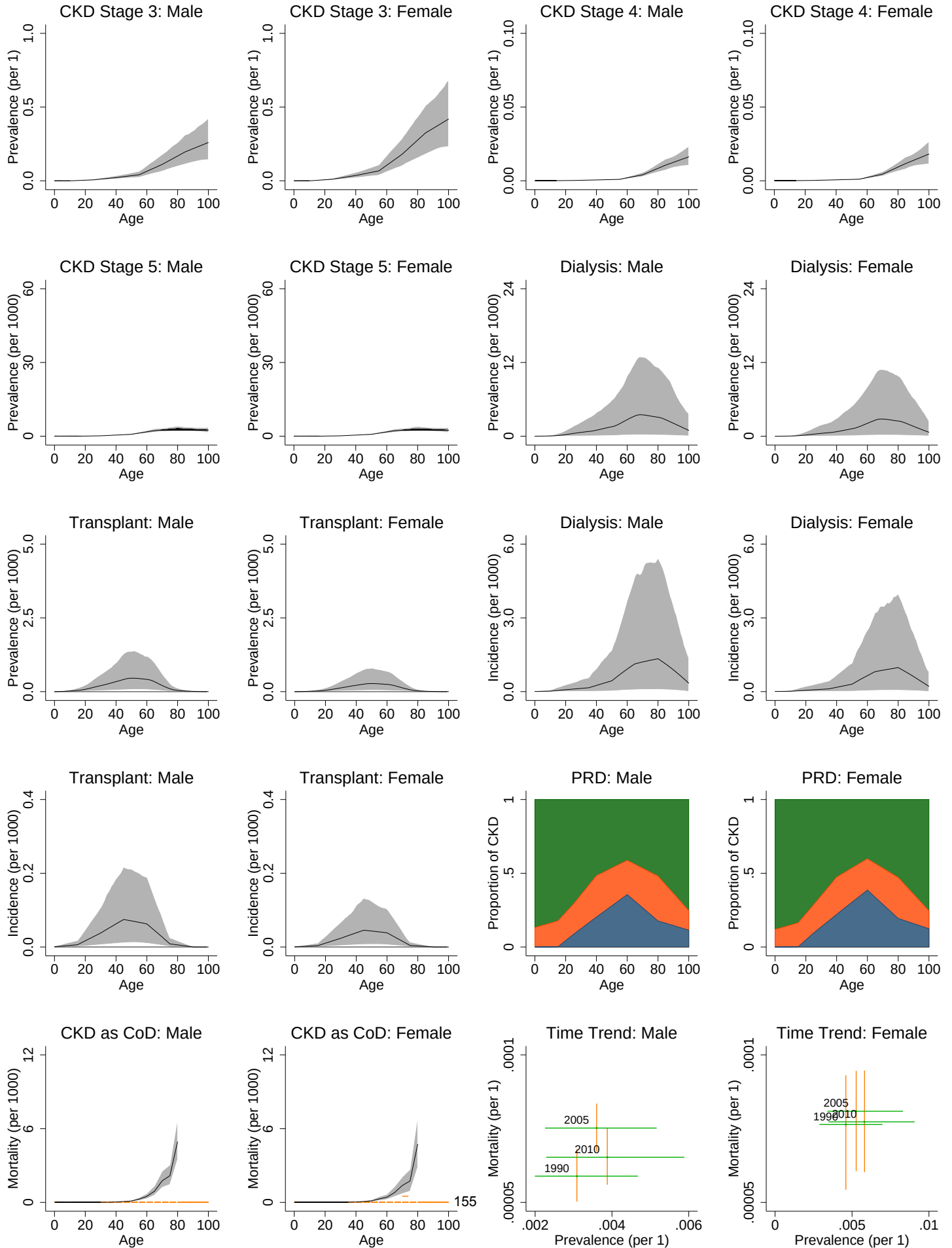
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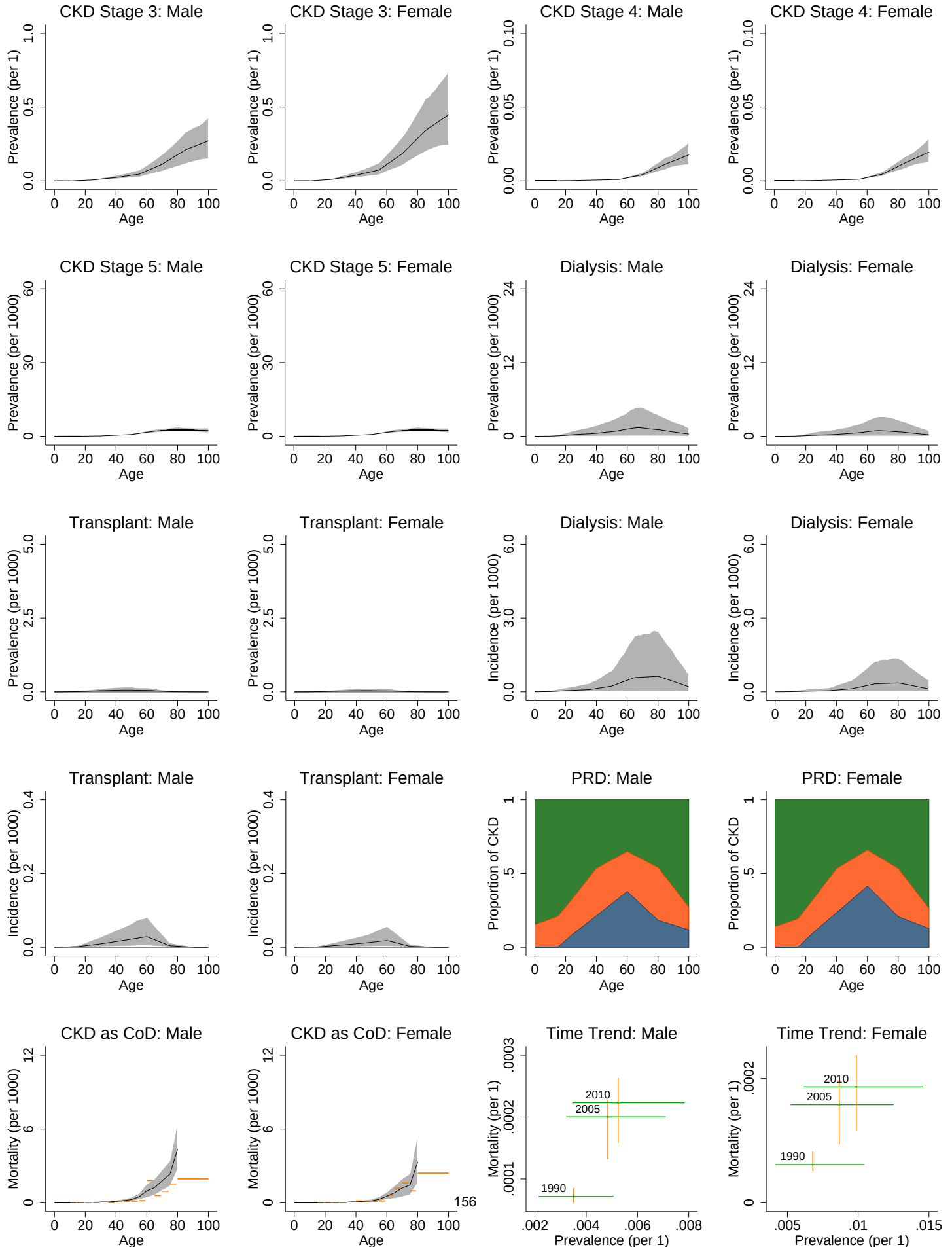
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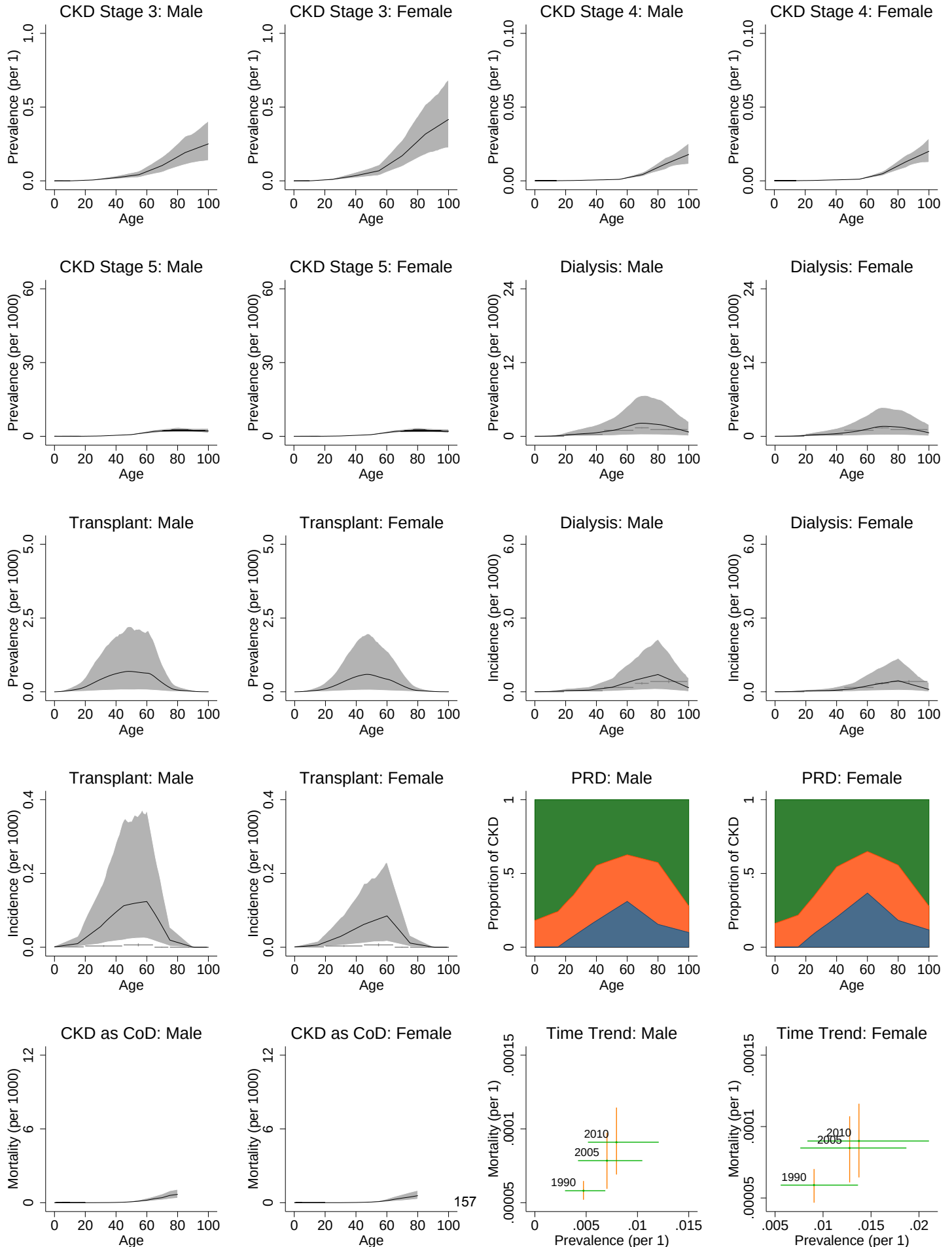
BHR 2010 Estimates



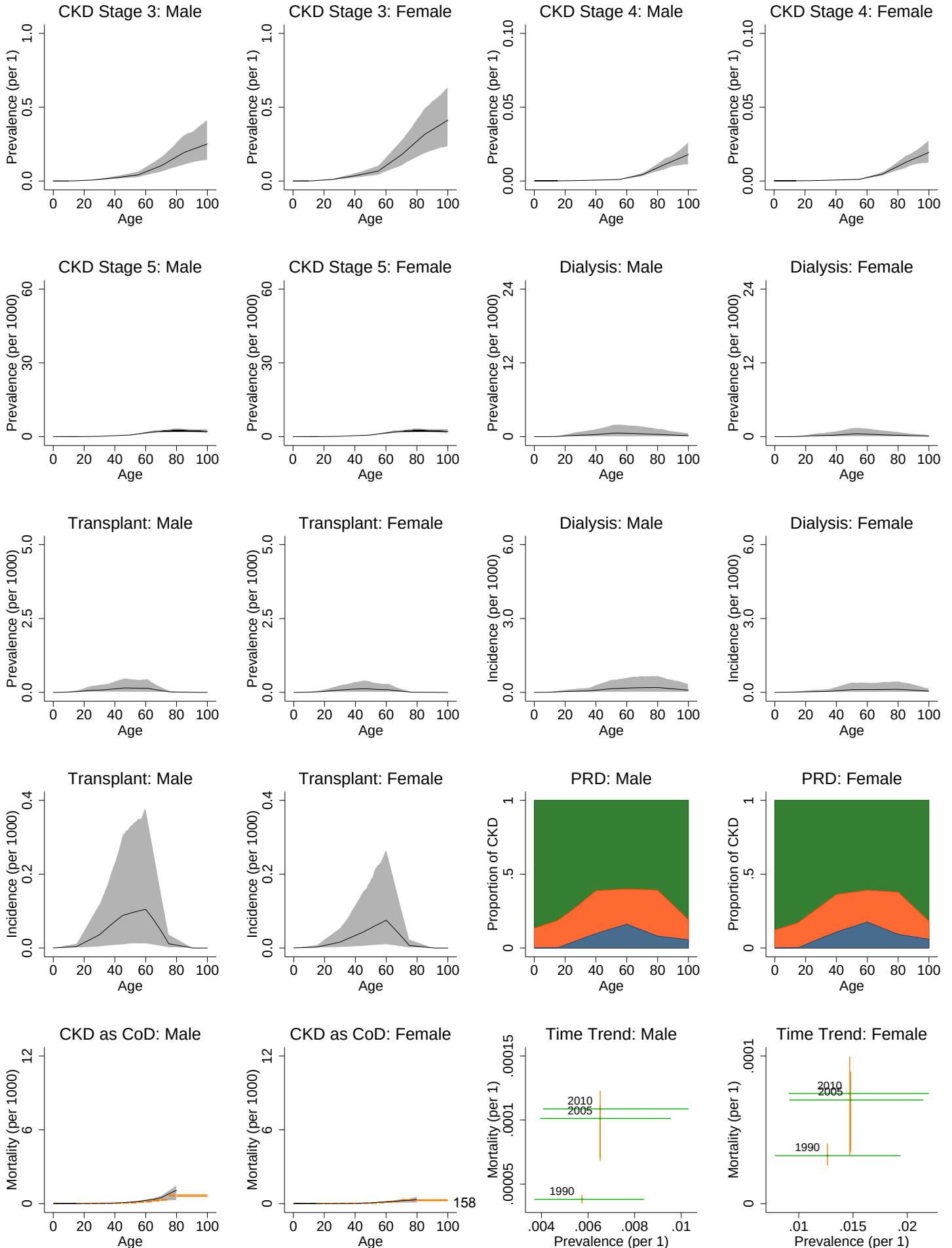
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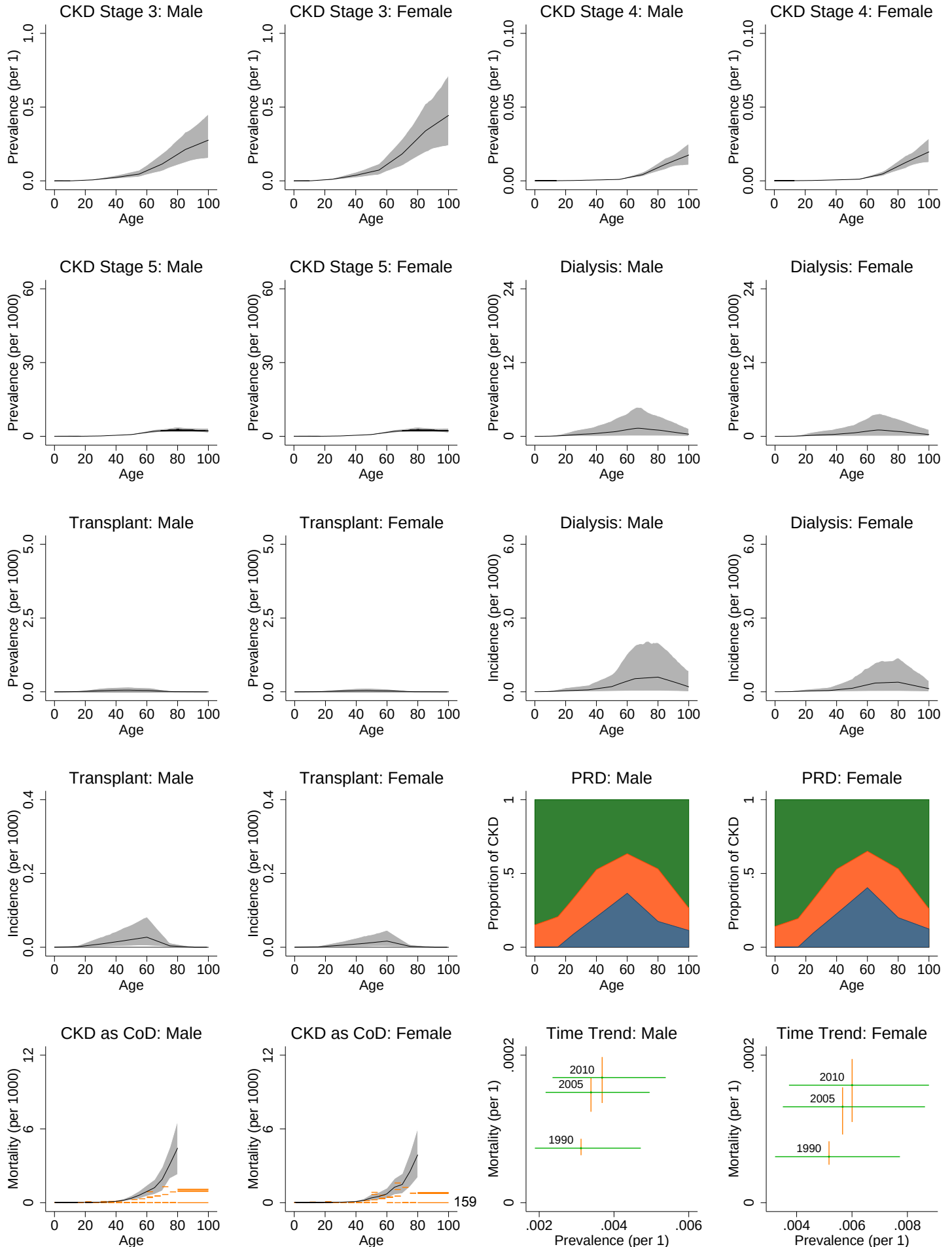
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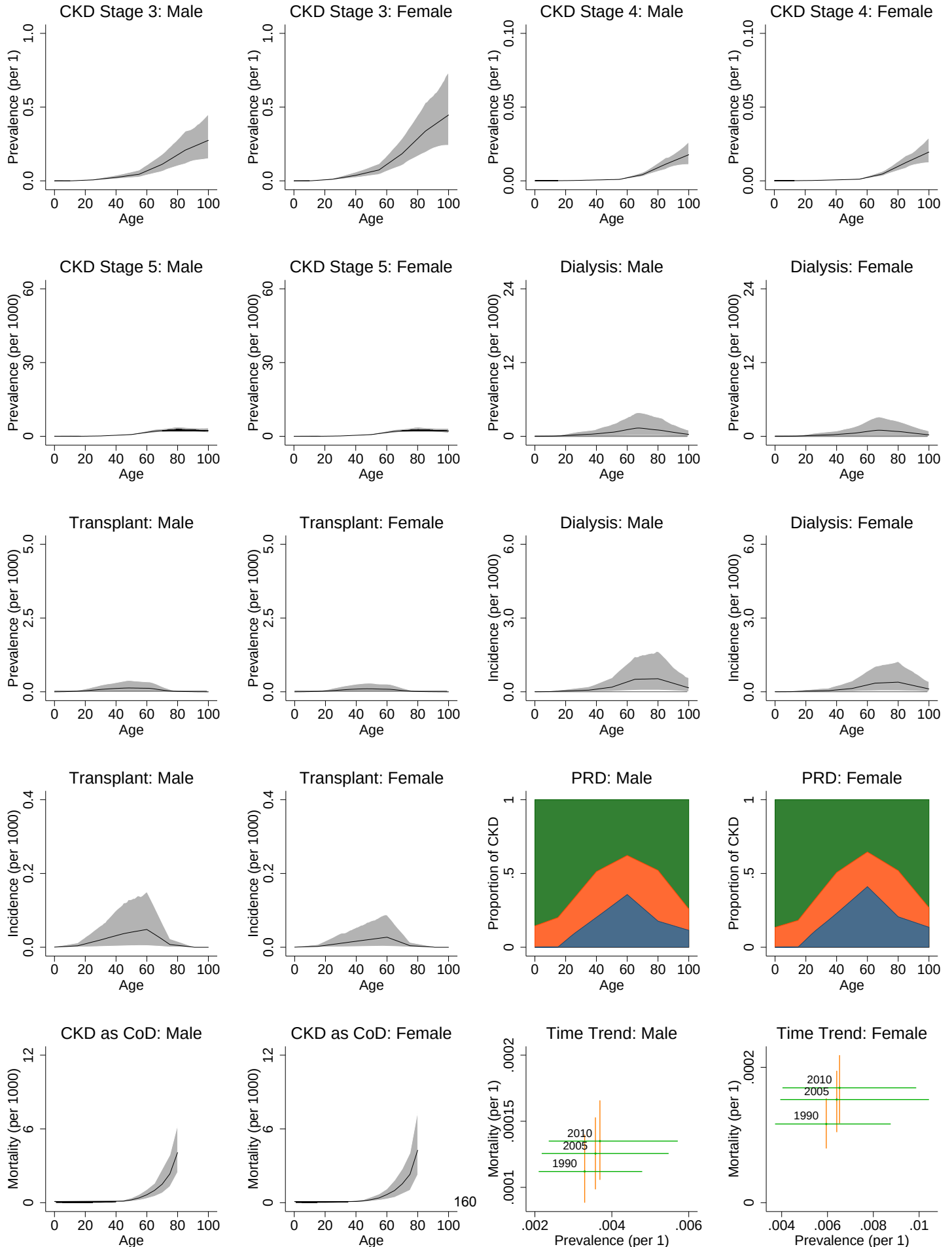
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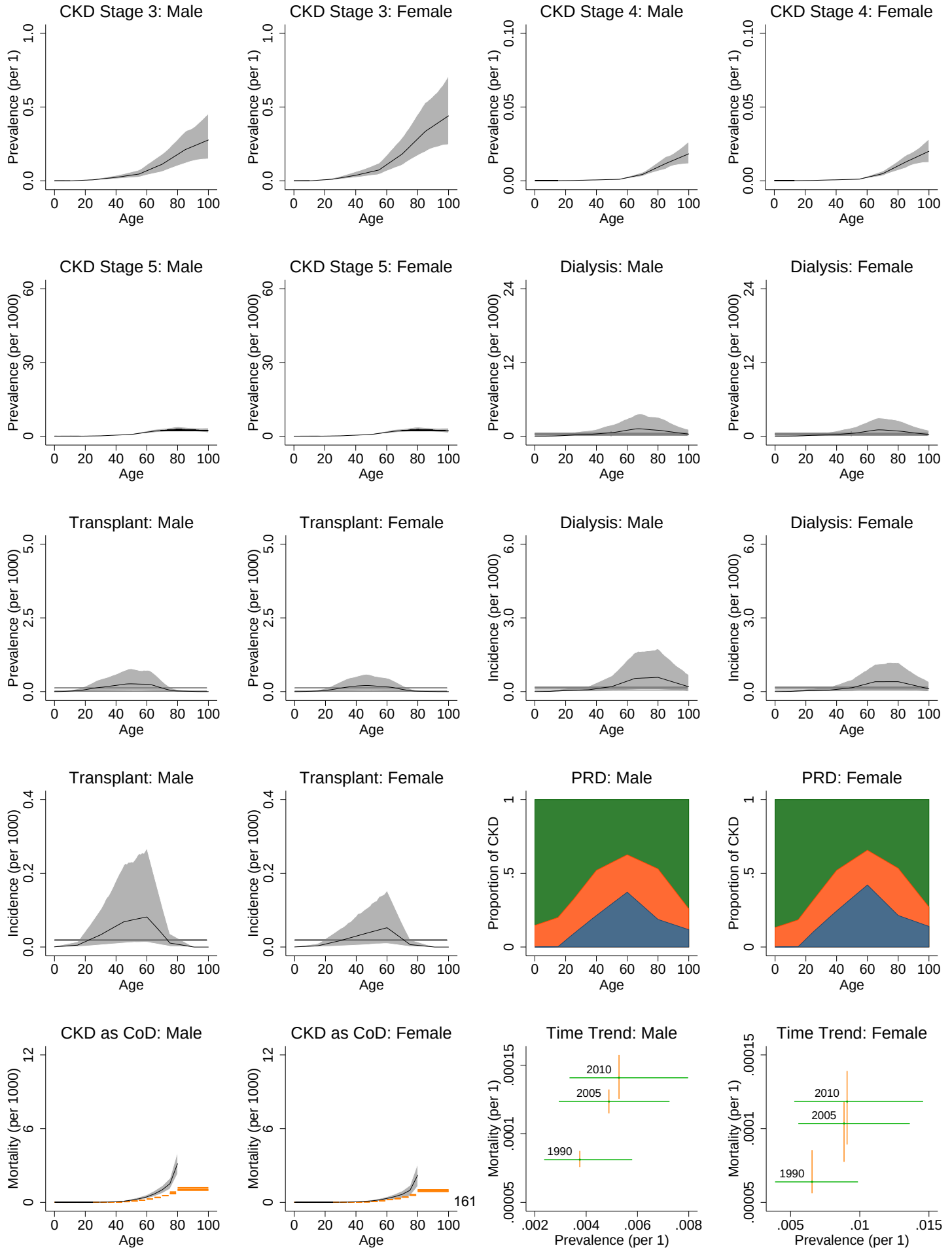
BLZ 2010 Estimates



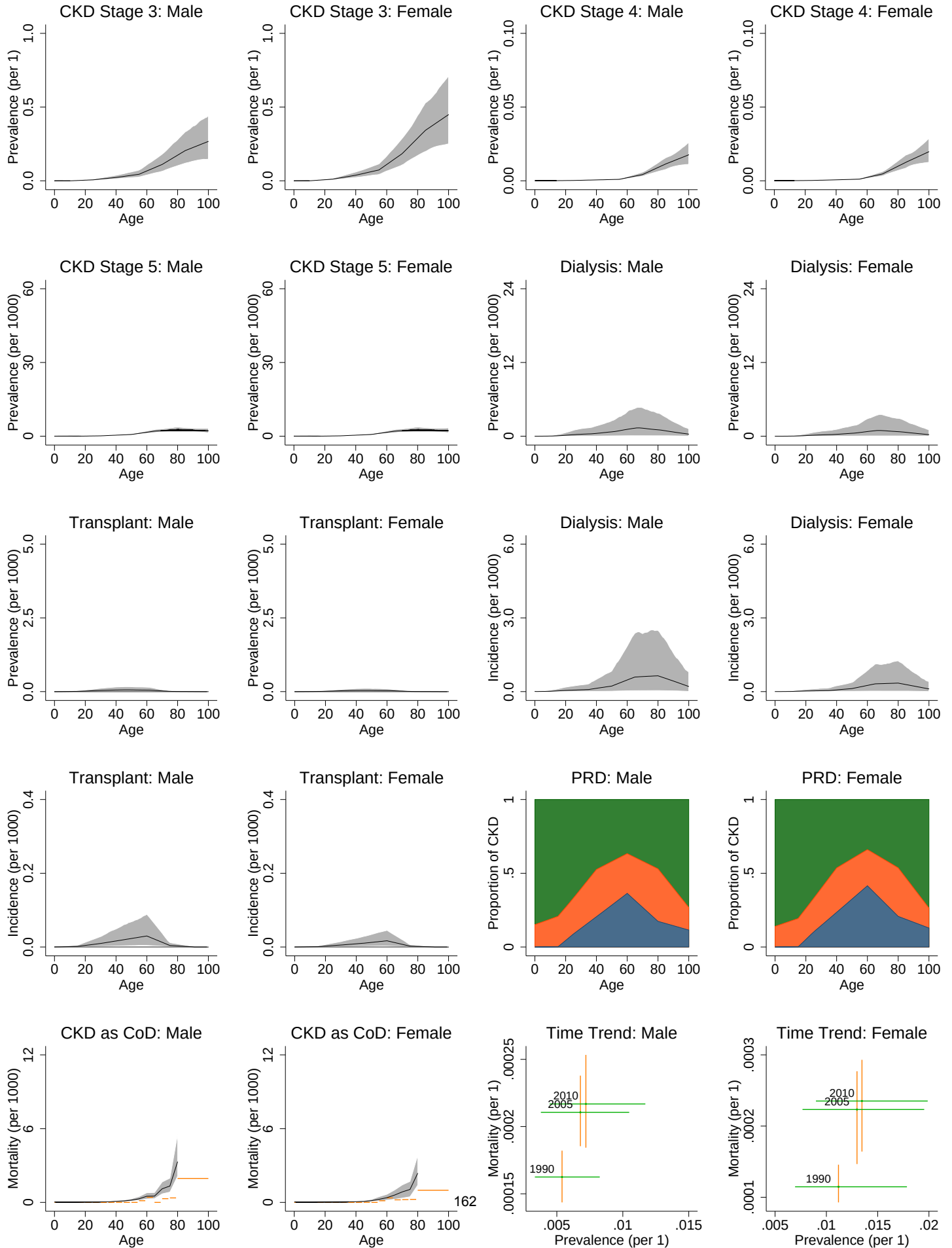
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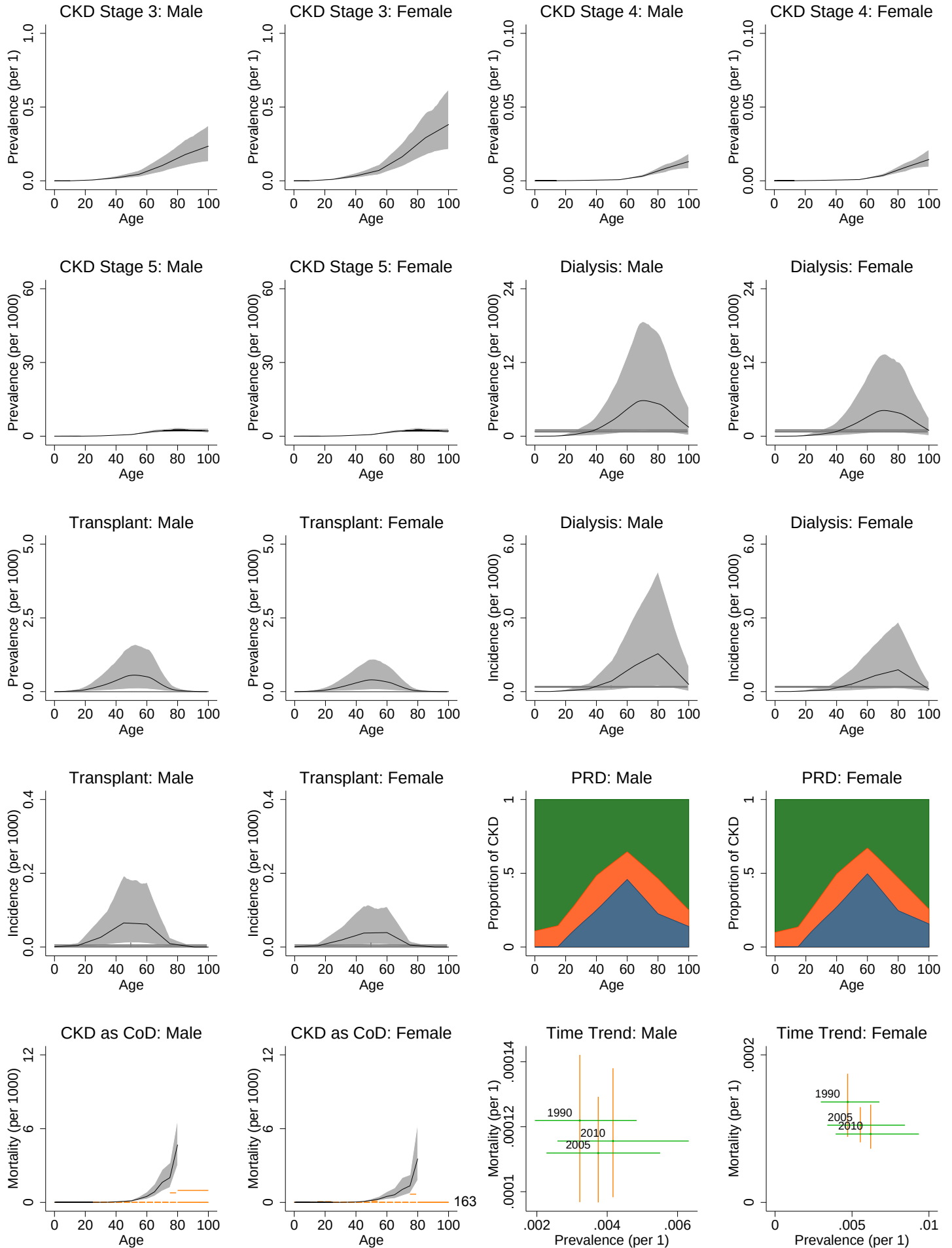
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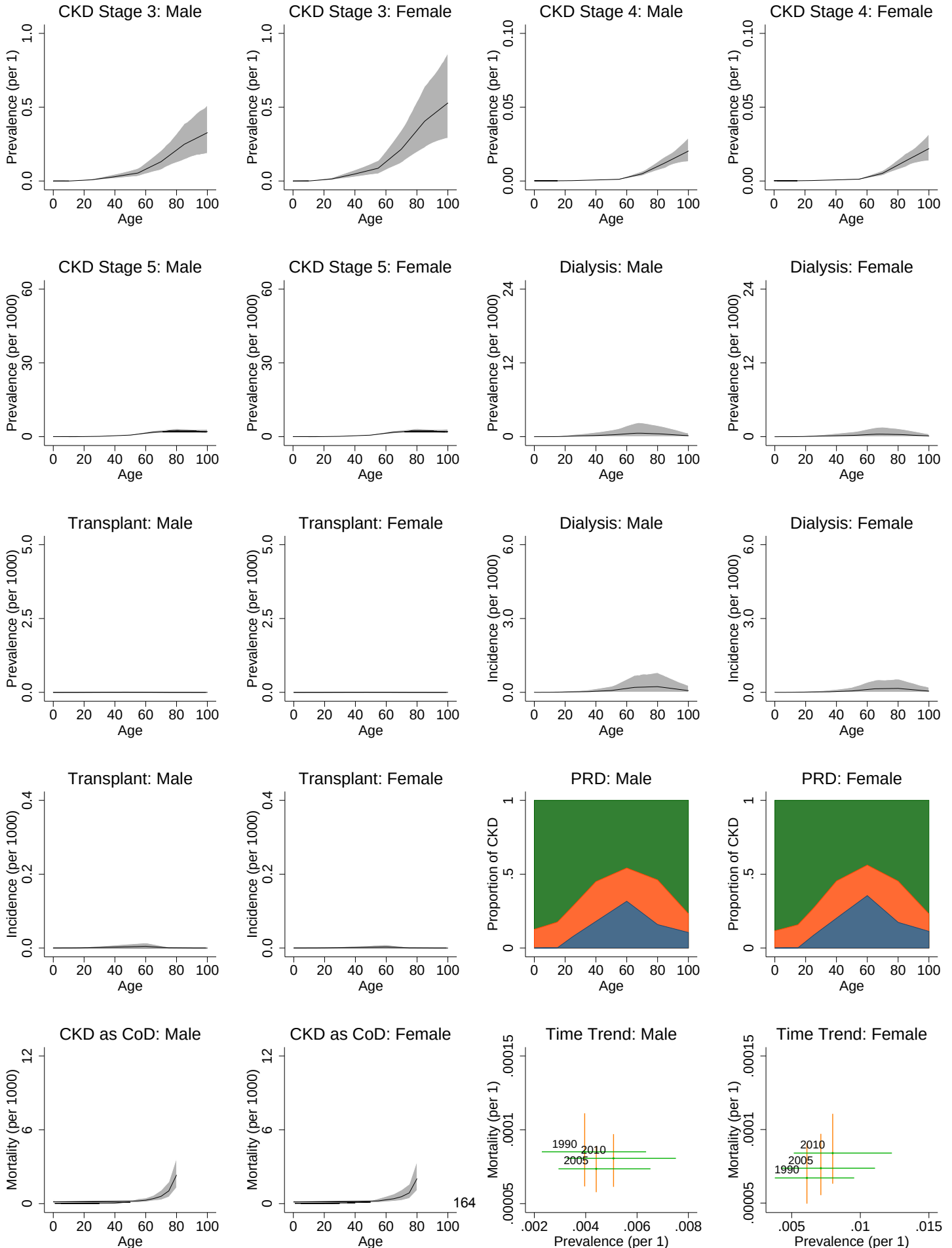
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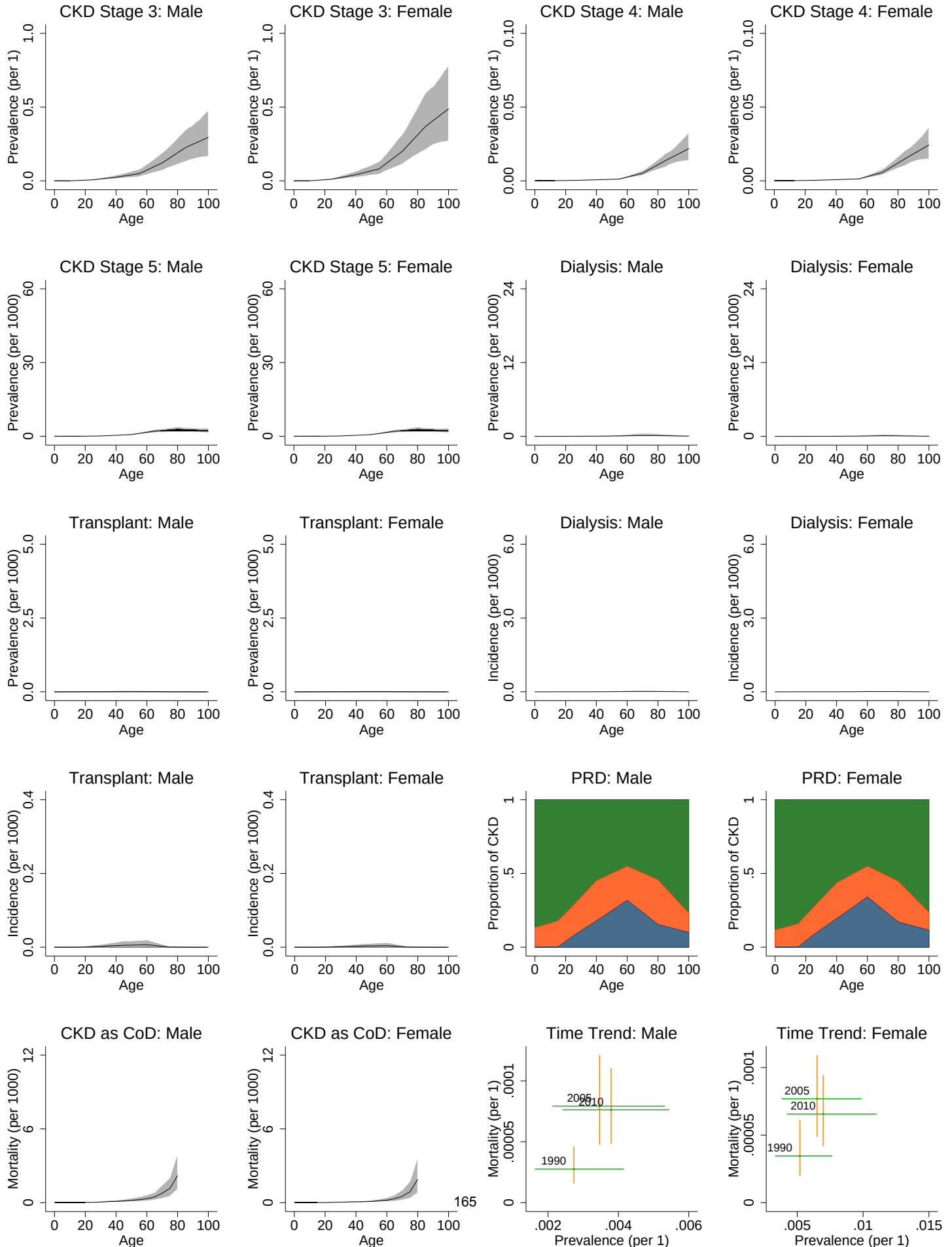
BRN 2010 Estimates



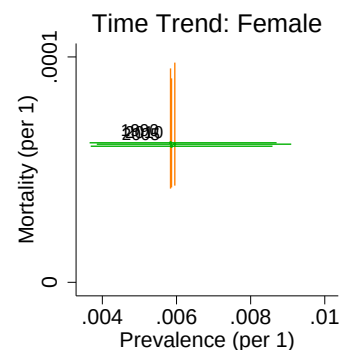
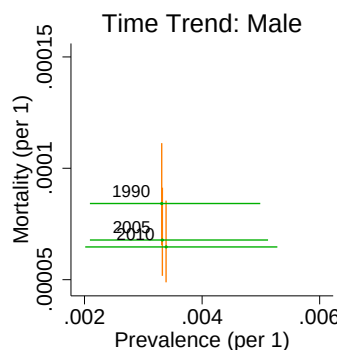
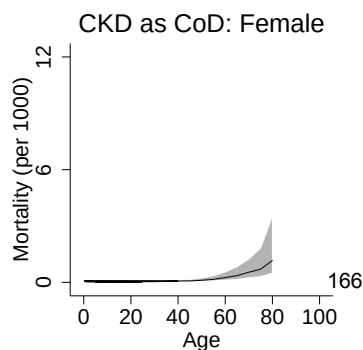
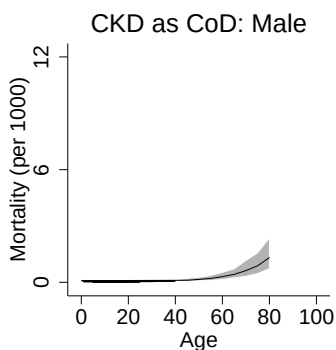
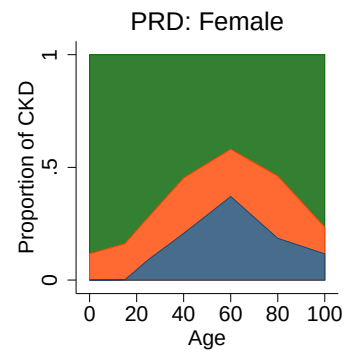
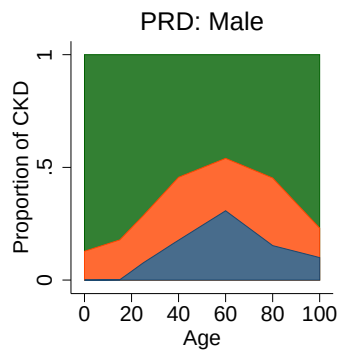
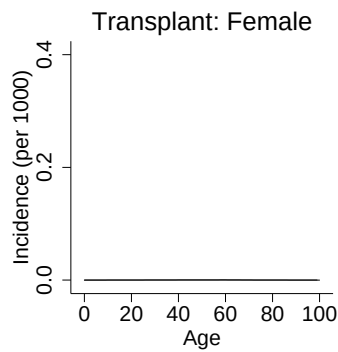
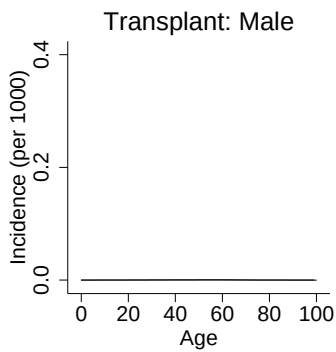
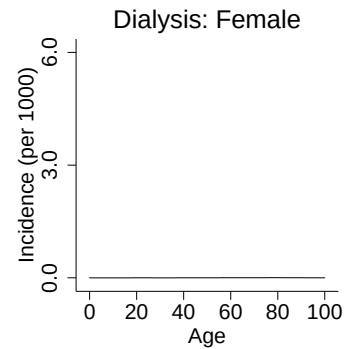
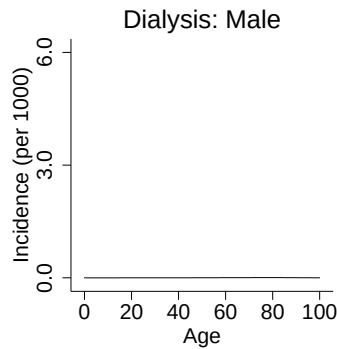
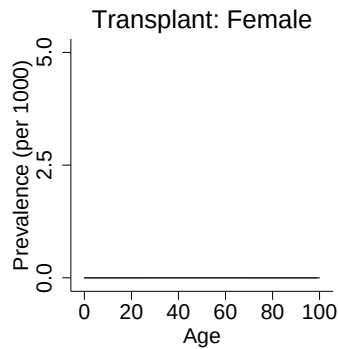
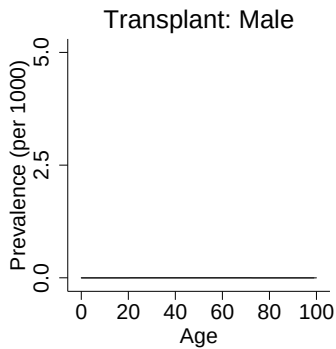
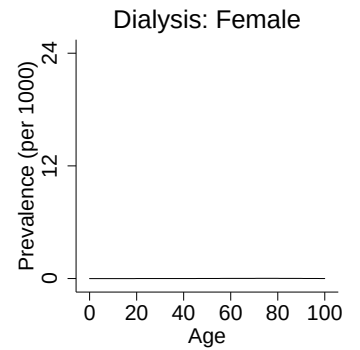
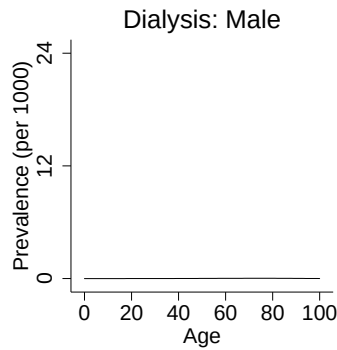
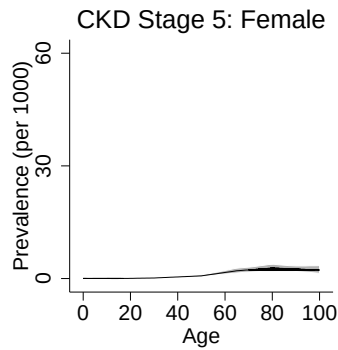
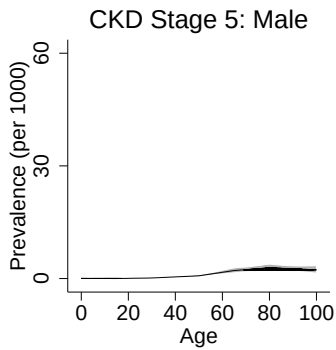
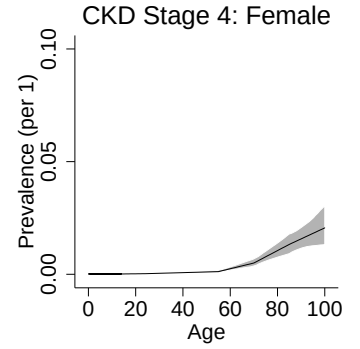
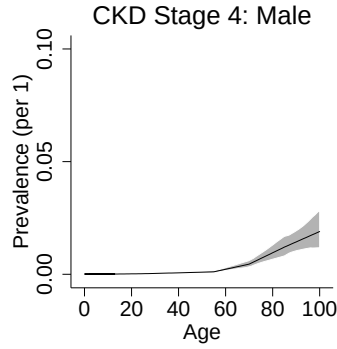
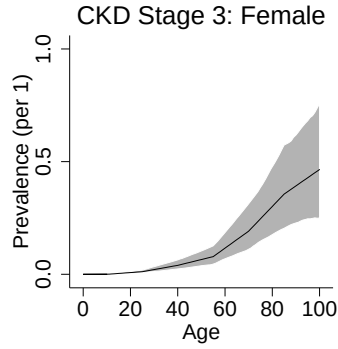
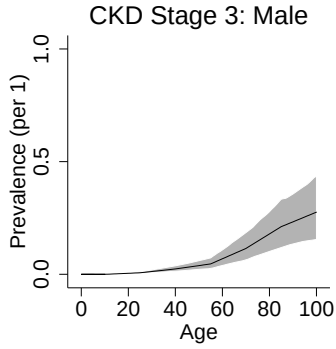
BTN 2010 Estimates



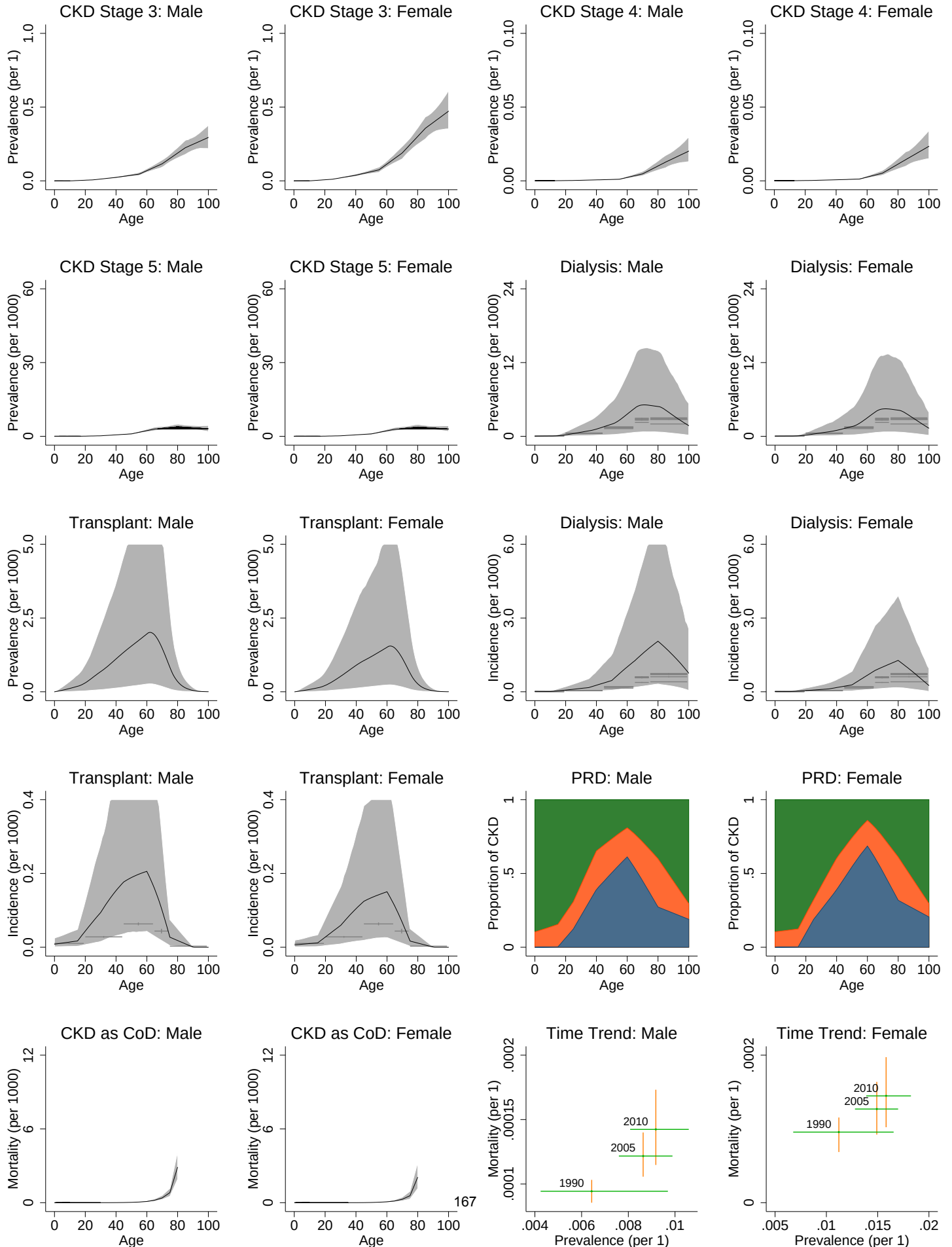
BWA 2010 Estimates



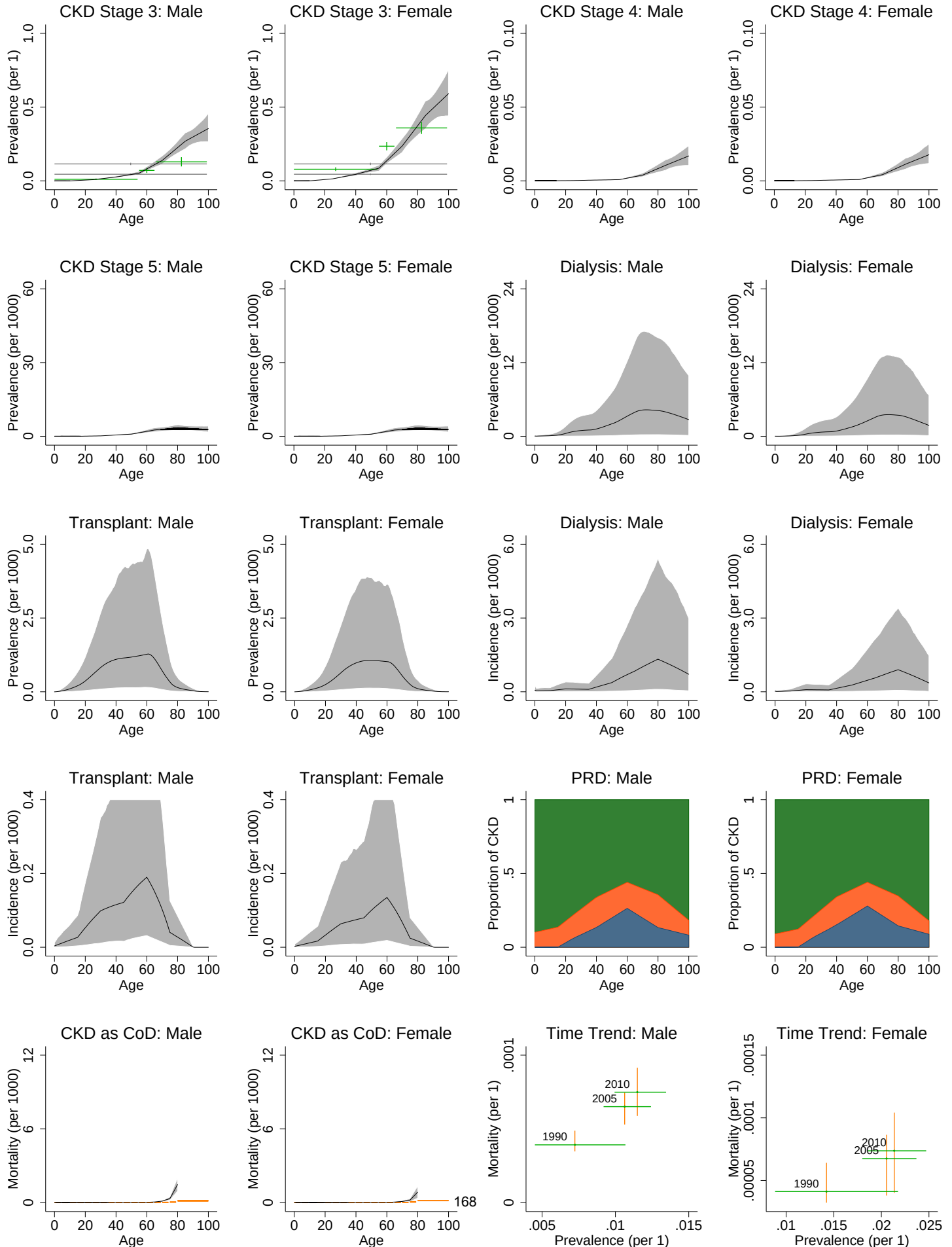
CAF 2010 Estimates



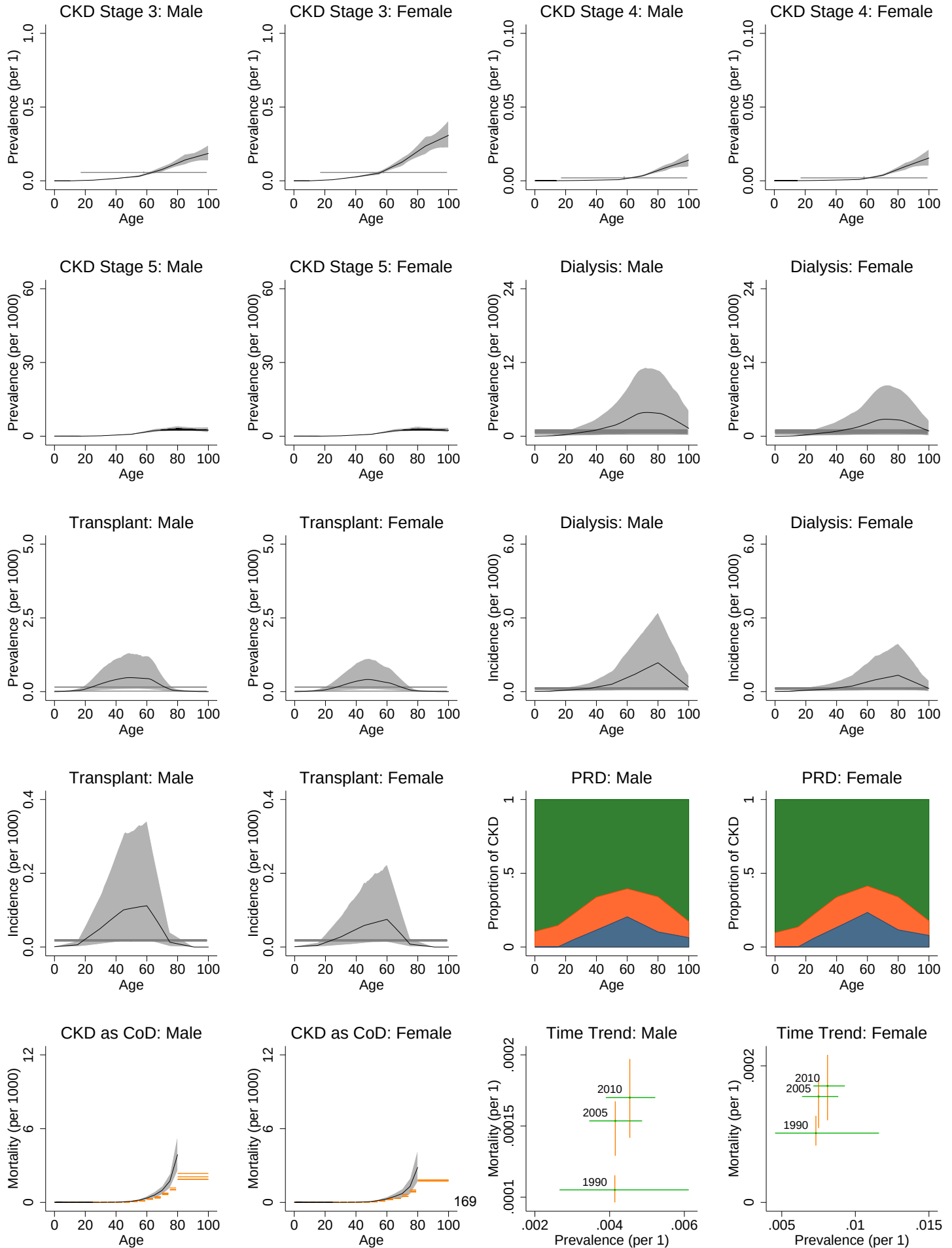
CAN 2010 Estimates



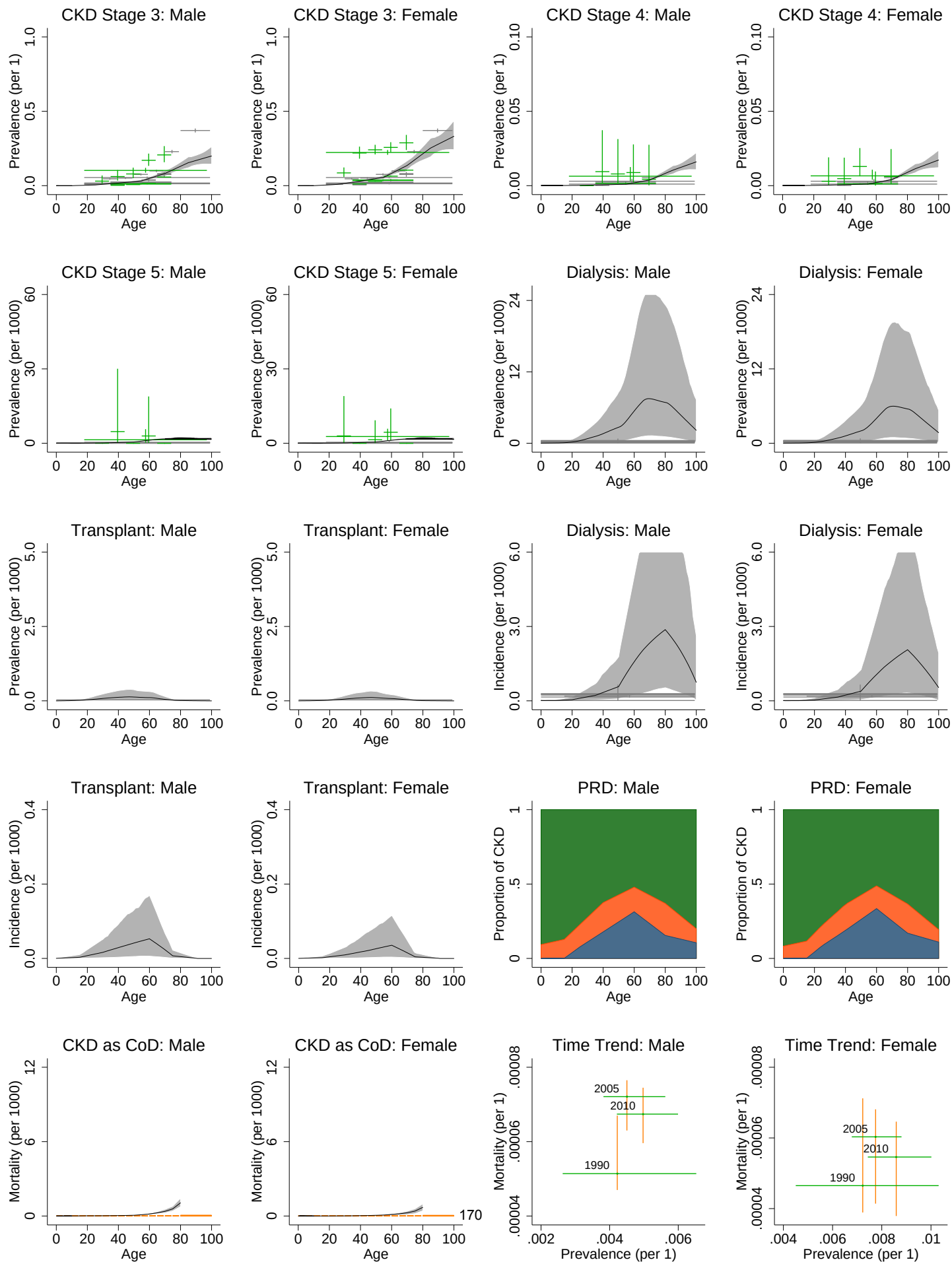
CHE 2010 Estimates



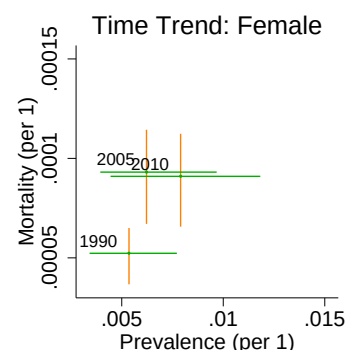
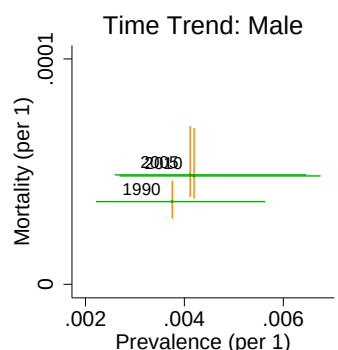
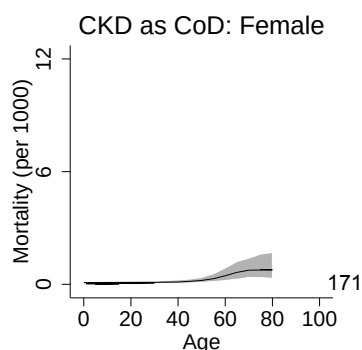
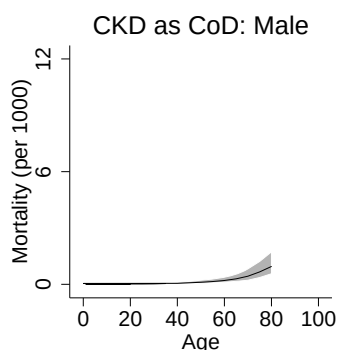
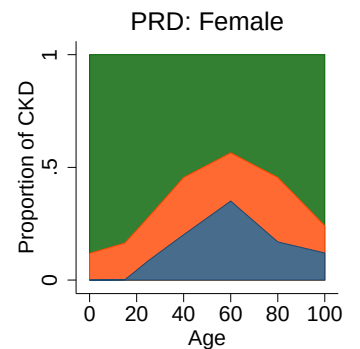
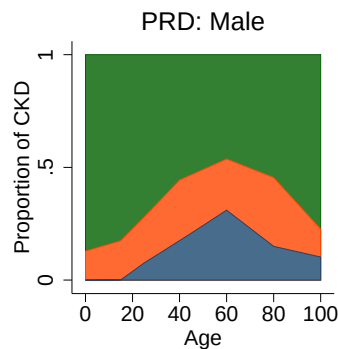
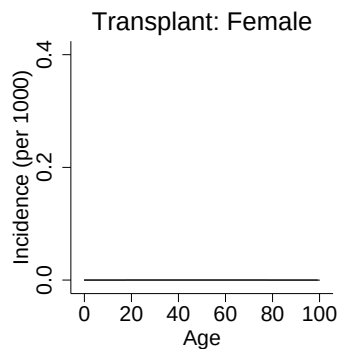
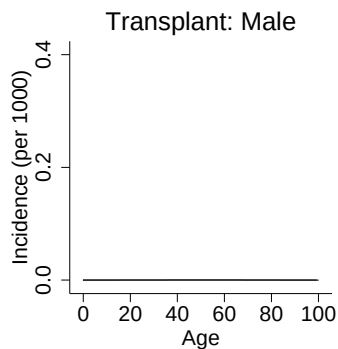
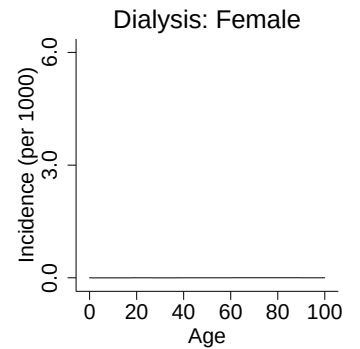
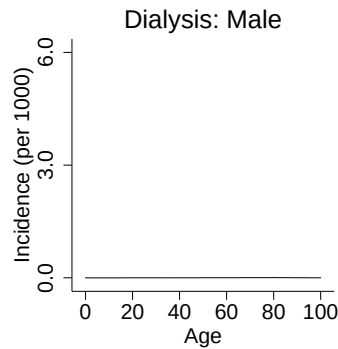
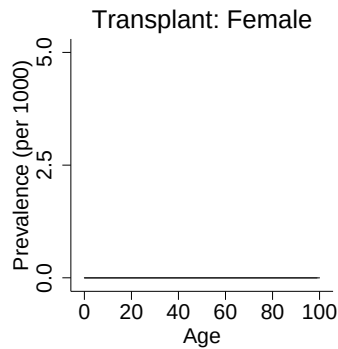
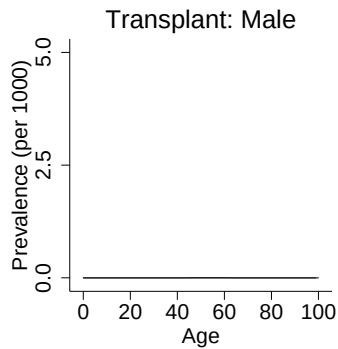
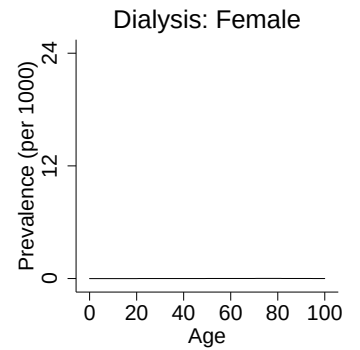
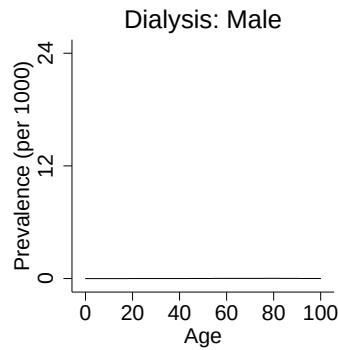
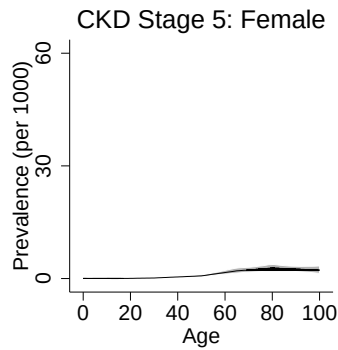
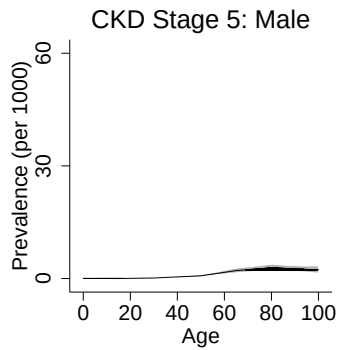
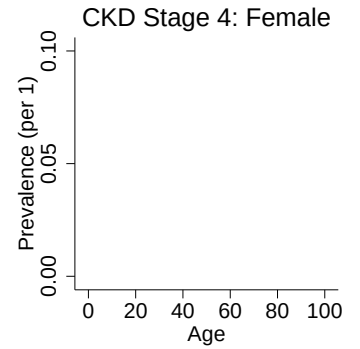
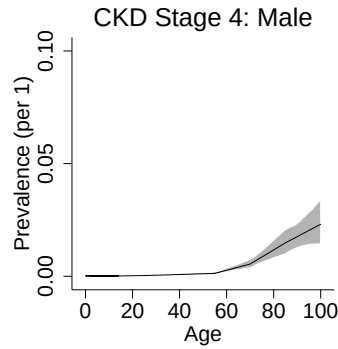
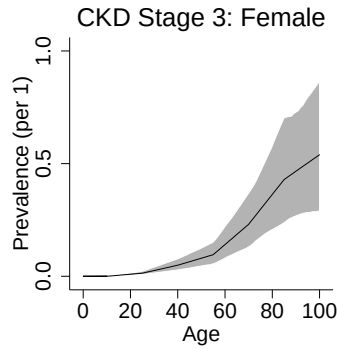
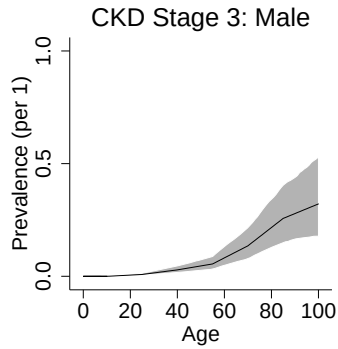
CHL 2010 Estimates



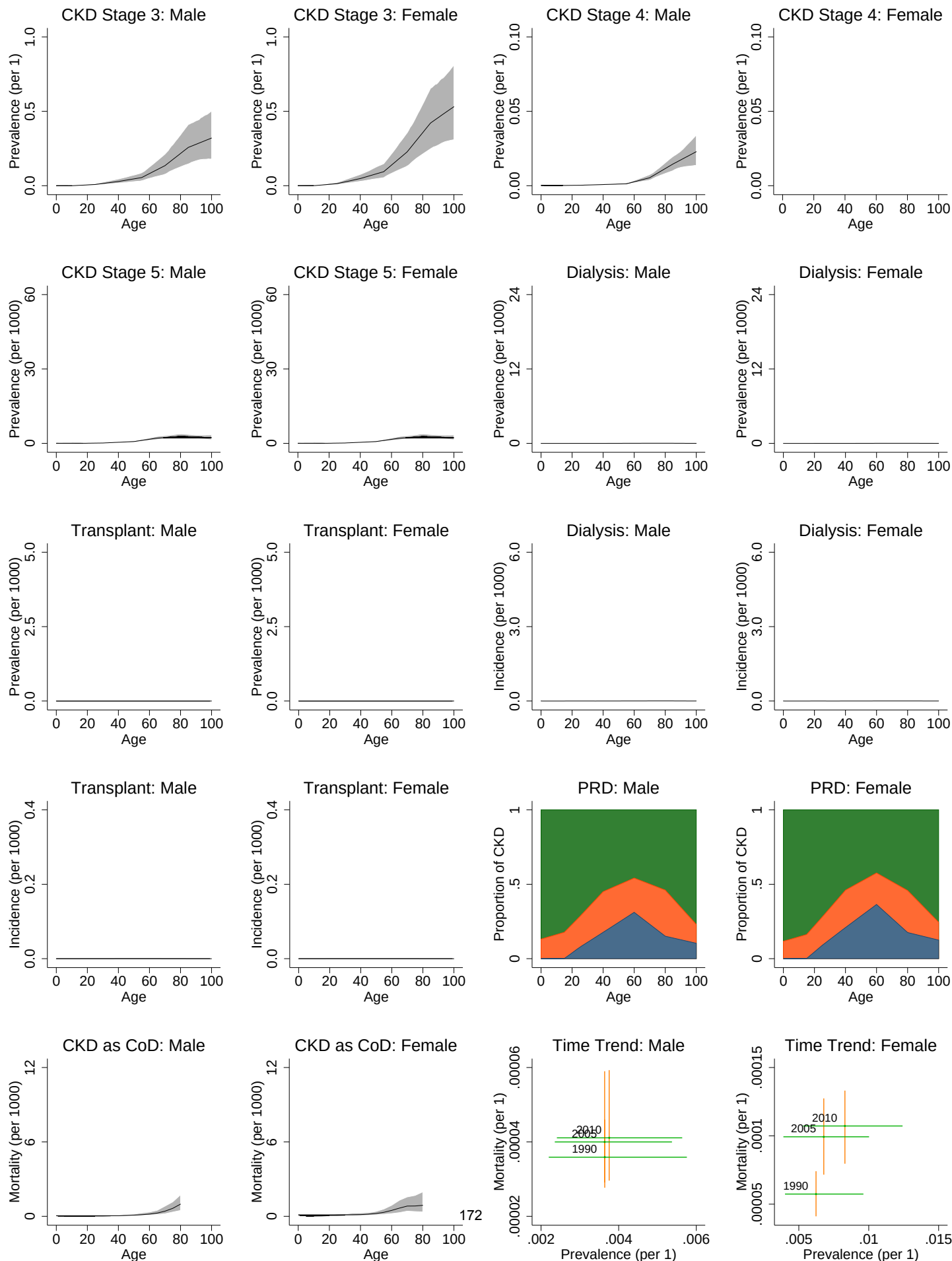
CHN 2010 Estimates



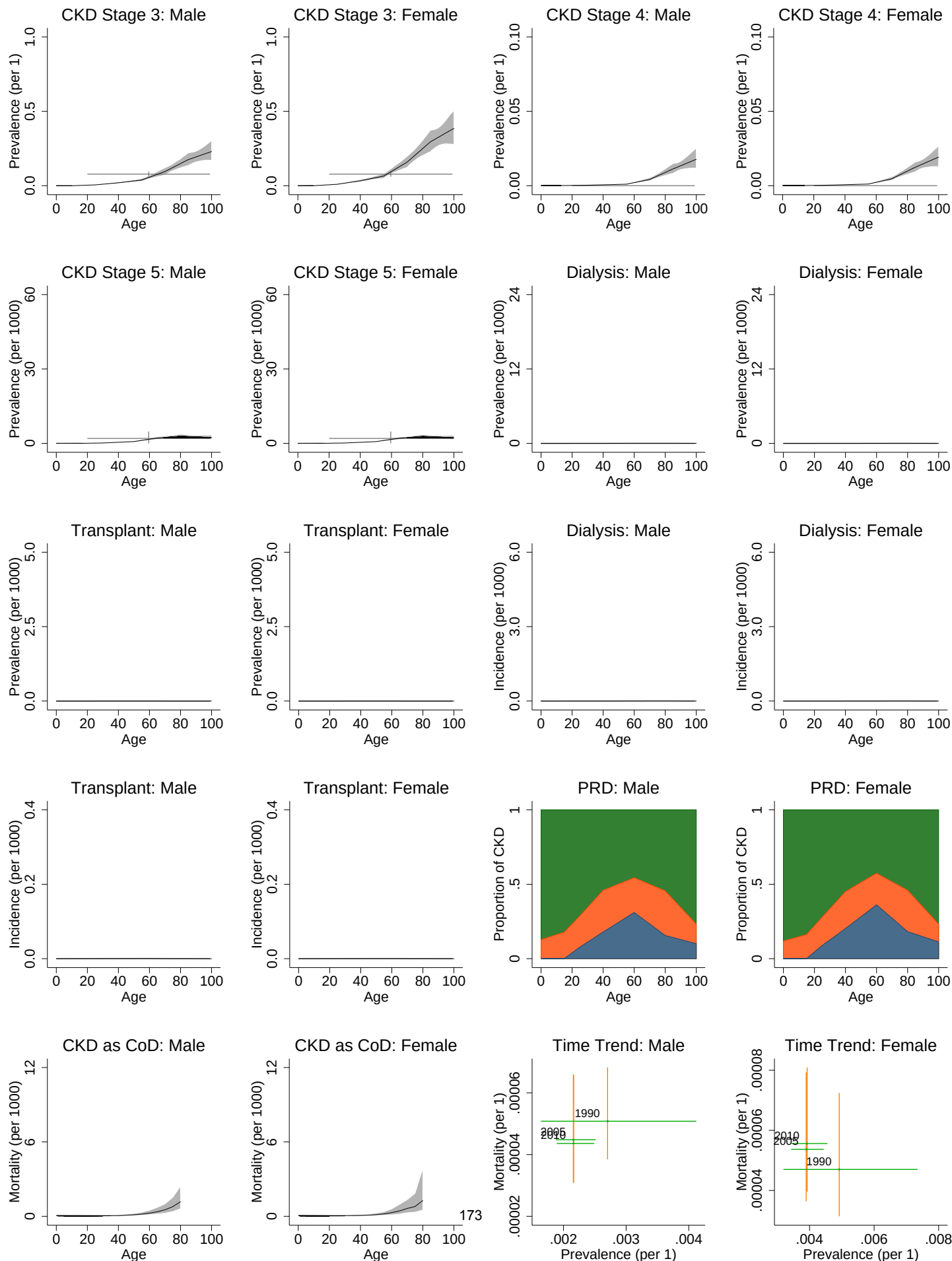
CIV 2010 Estimates



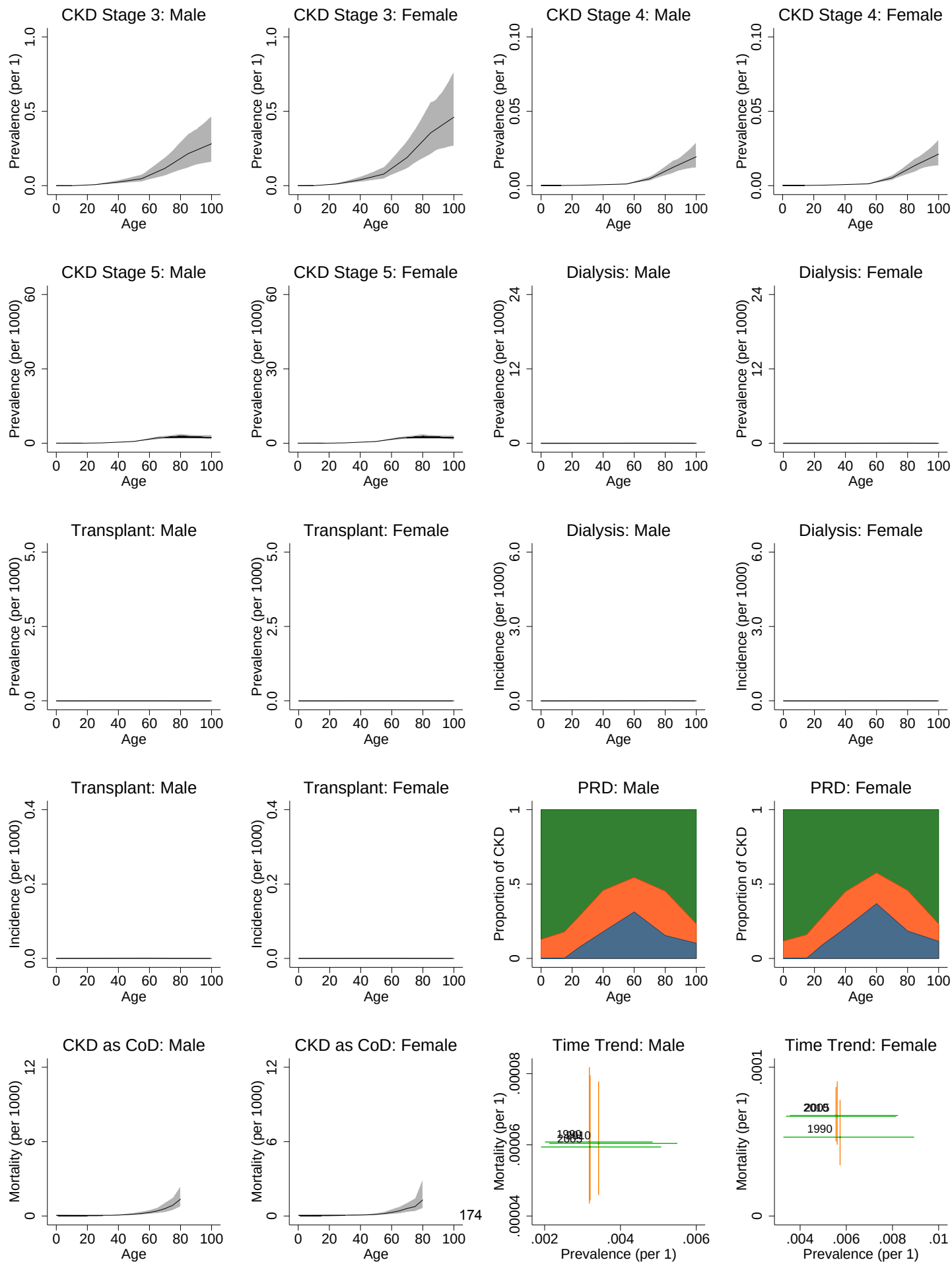
CMR 2010 Estimates



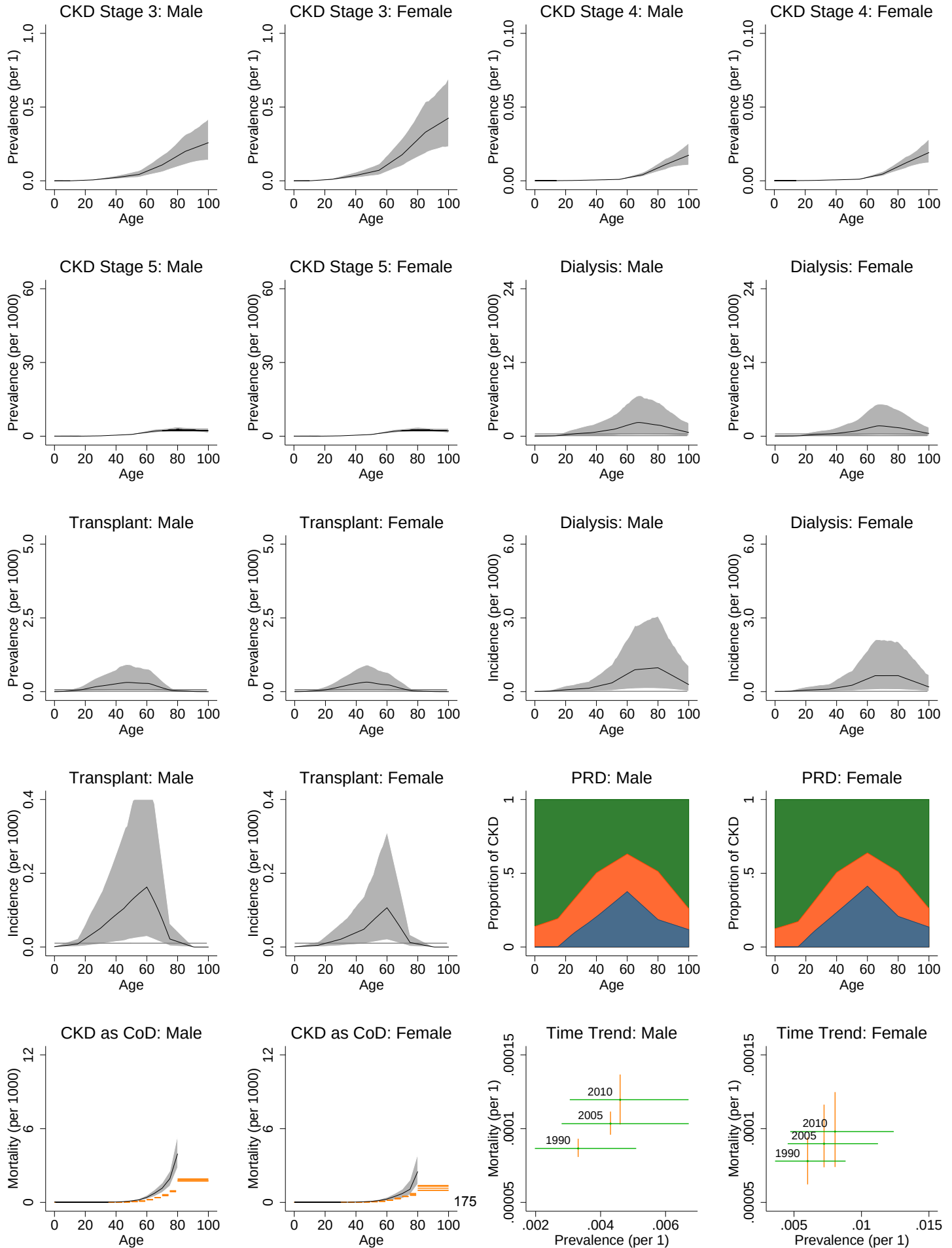
COD 2010 Estimates



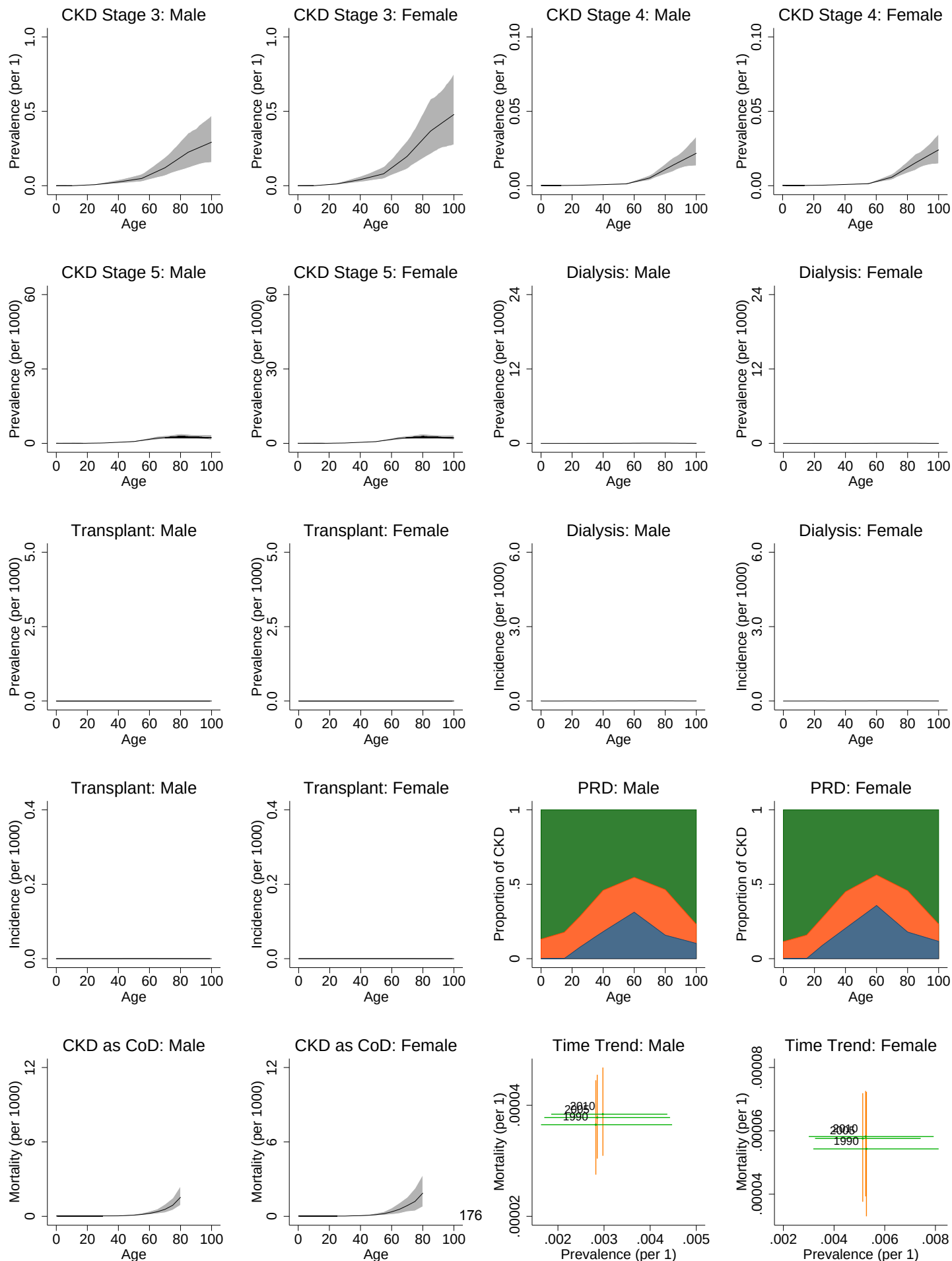
COG 2010 Estimates



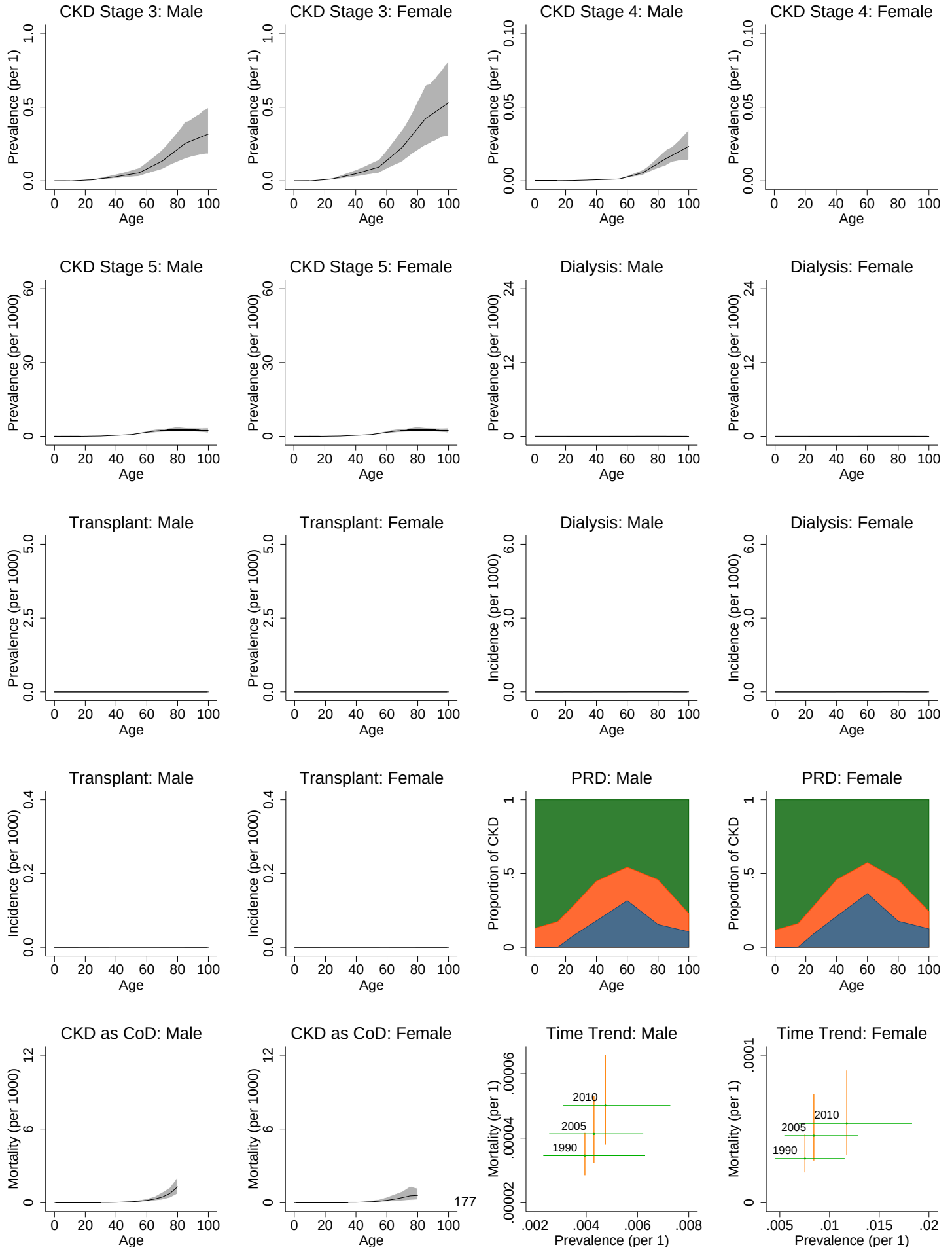
COL 2010 Estimates



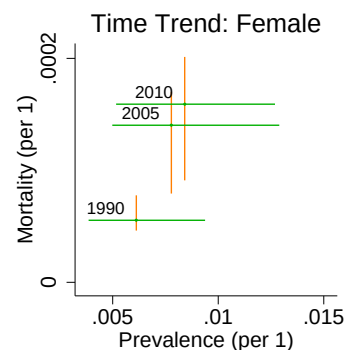
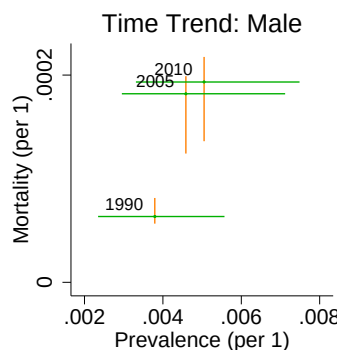
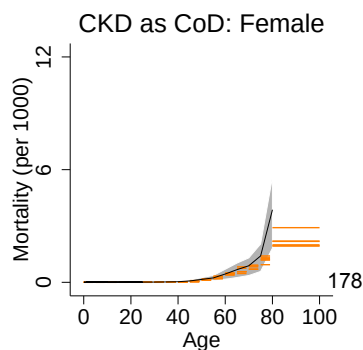
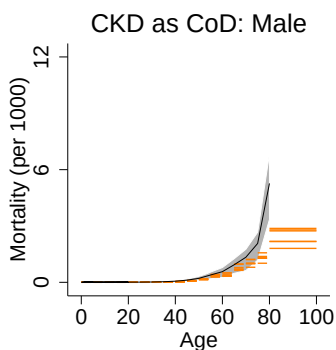
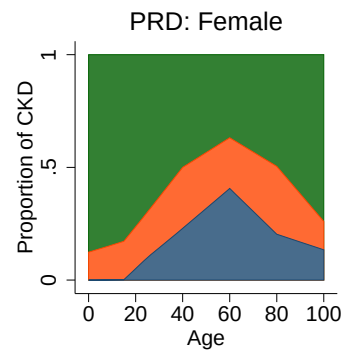
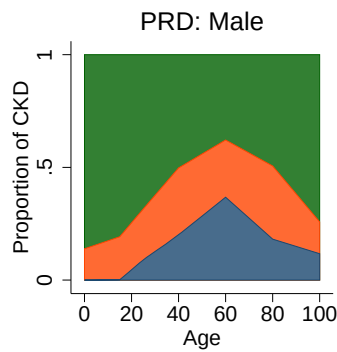
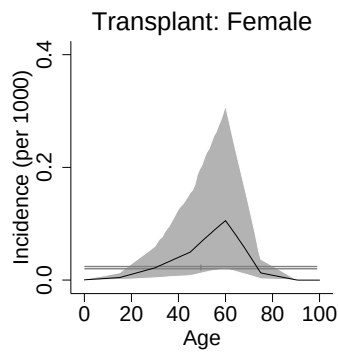
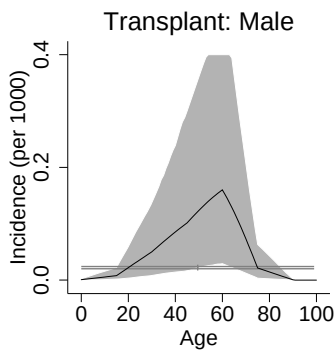
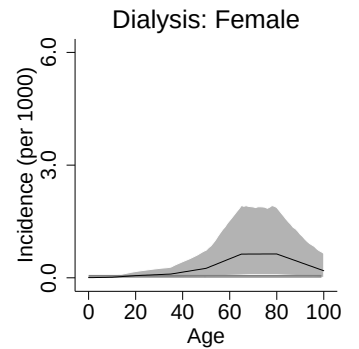
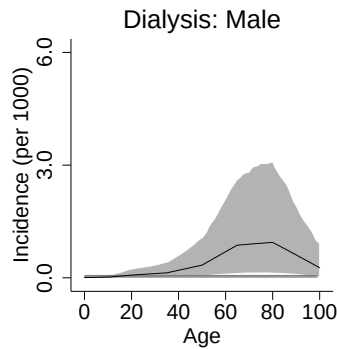
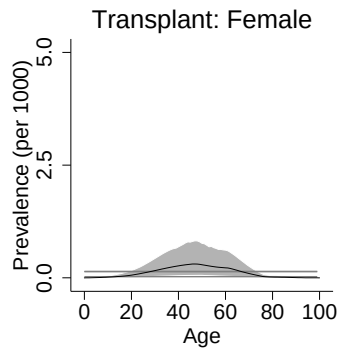
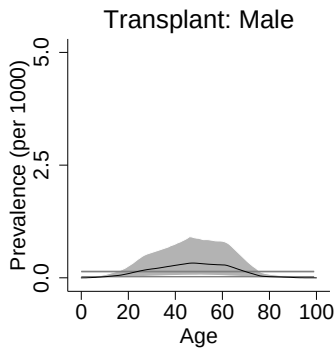
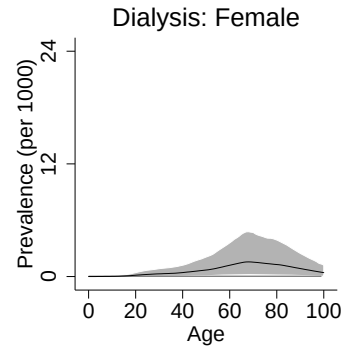
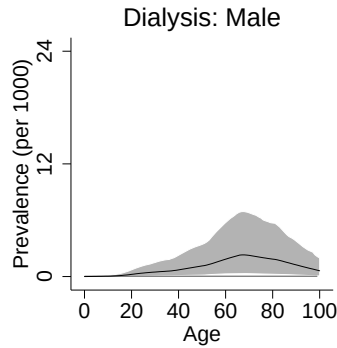
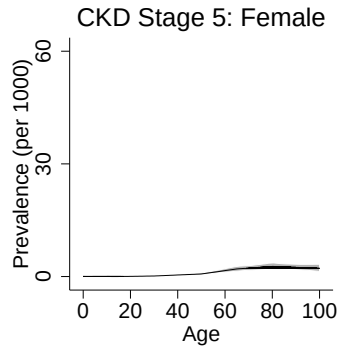
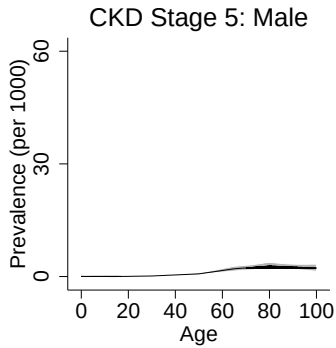
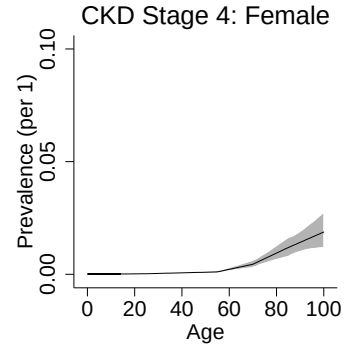
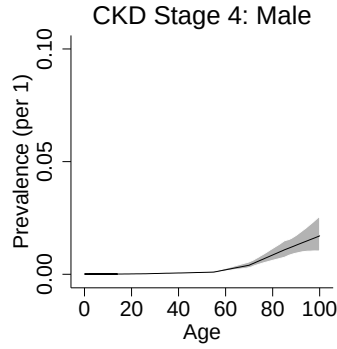
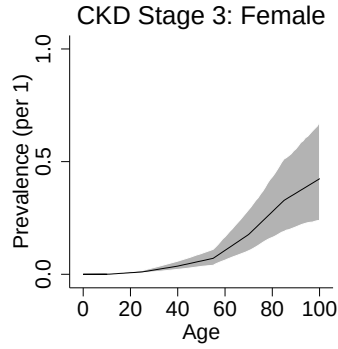
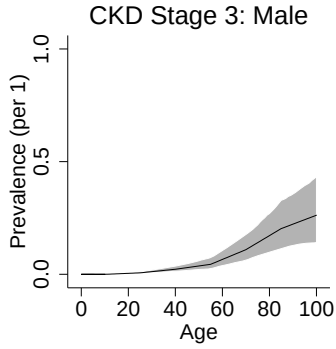
COM 2010 Estimates



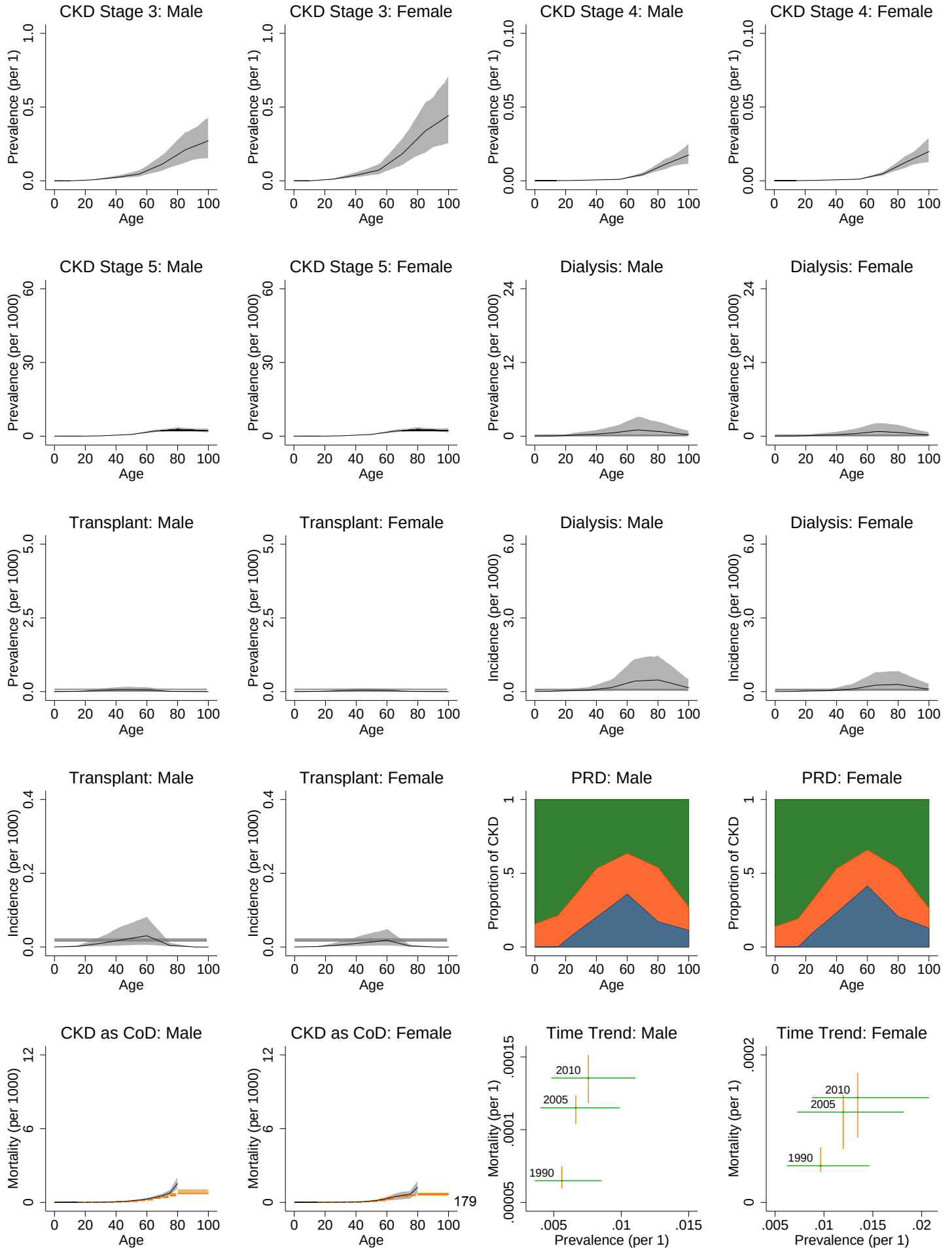
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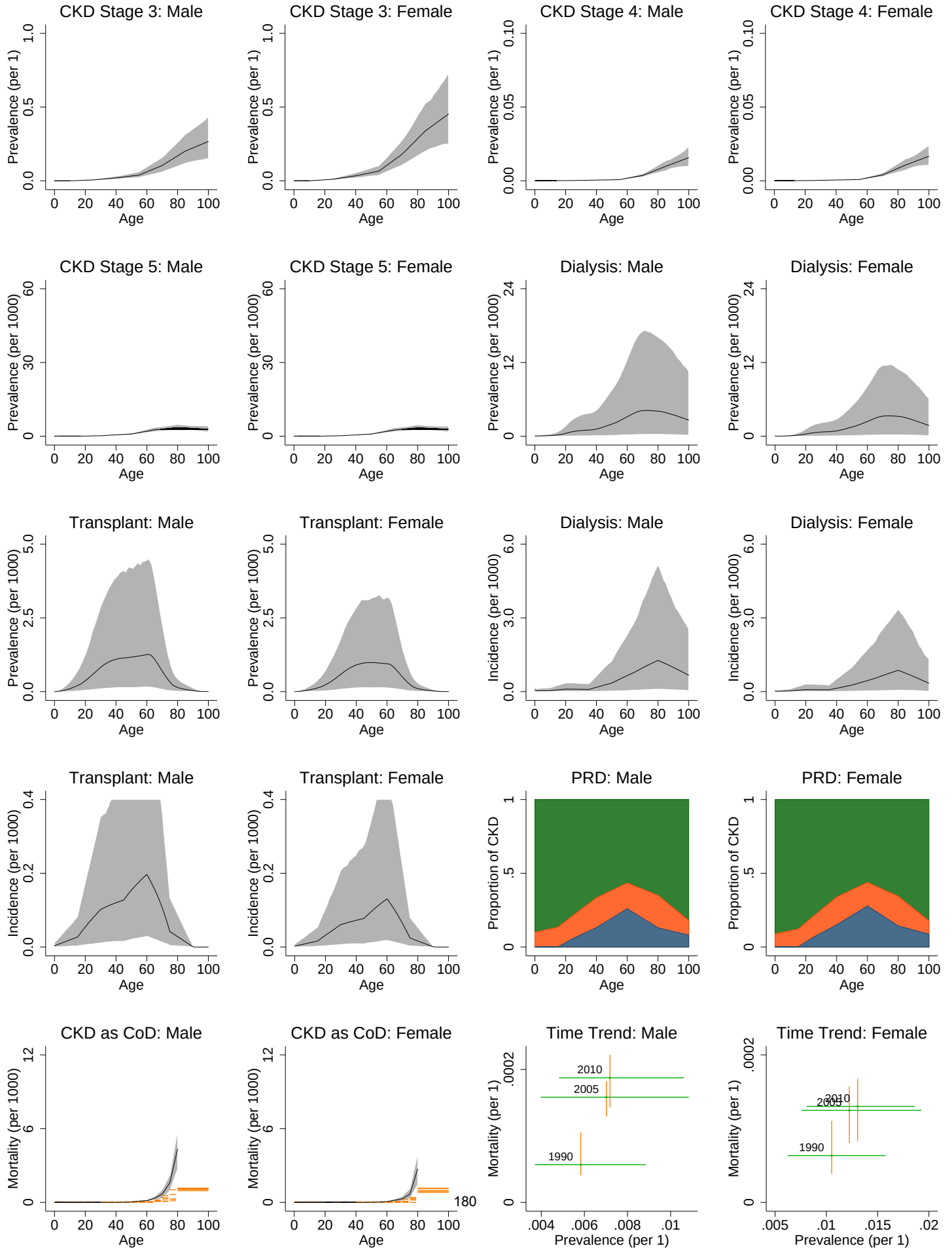
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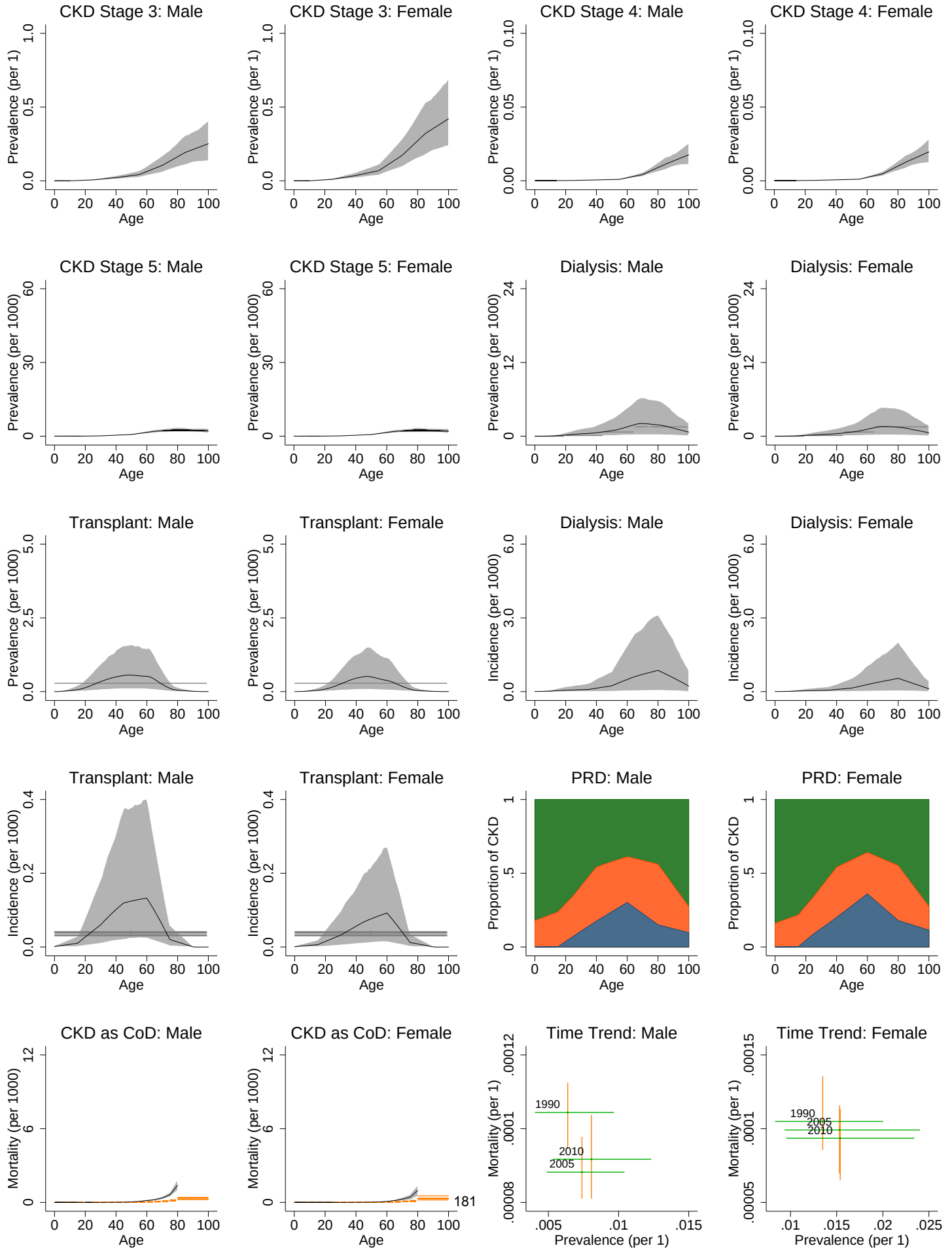
CUB 2010 Estimates



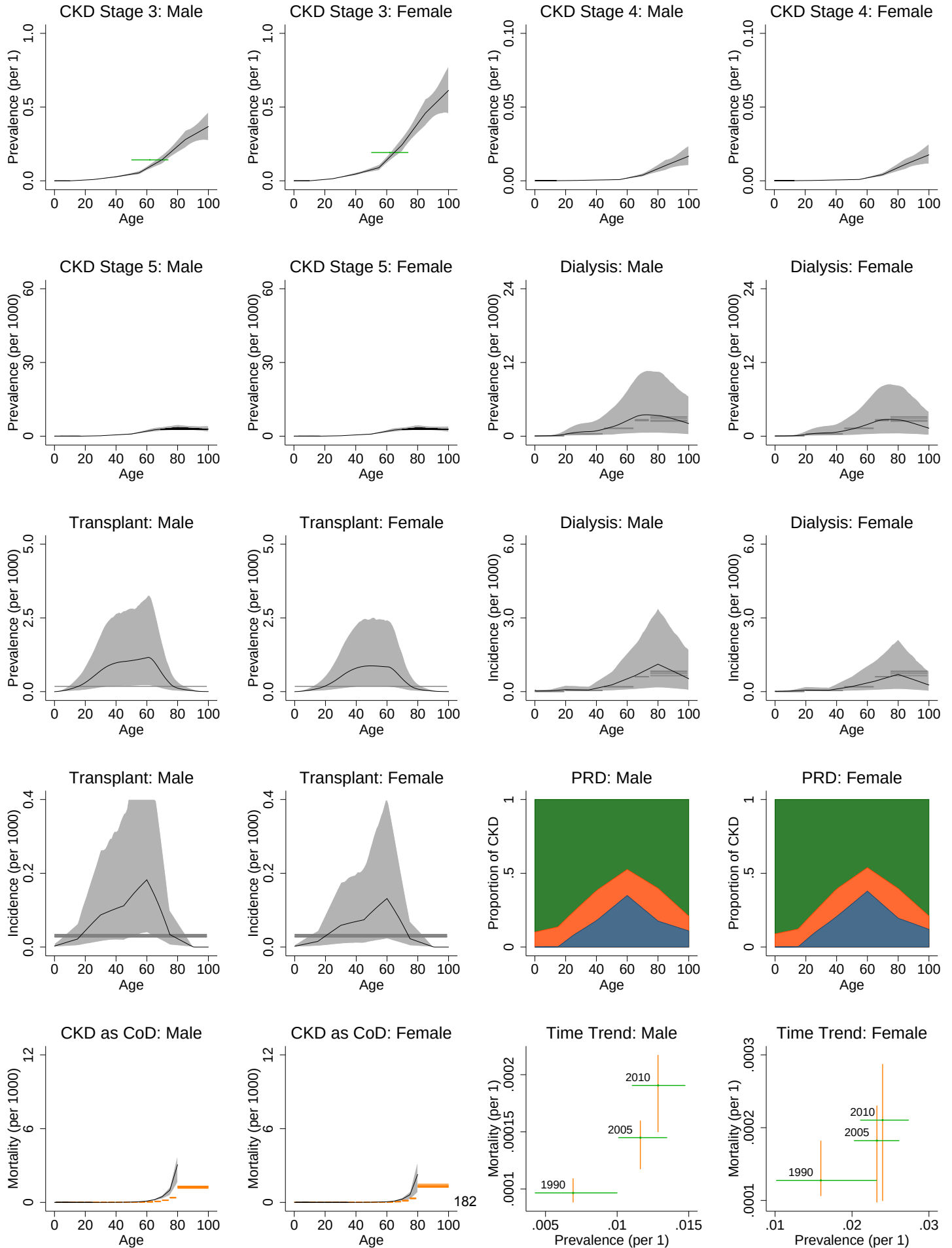
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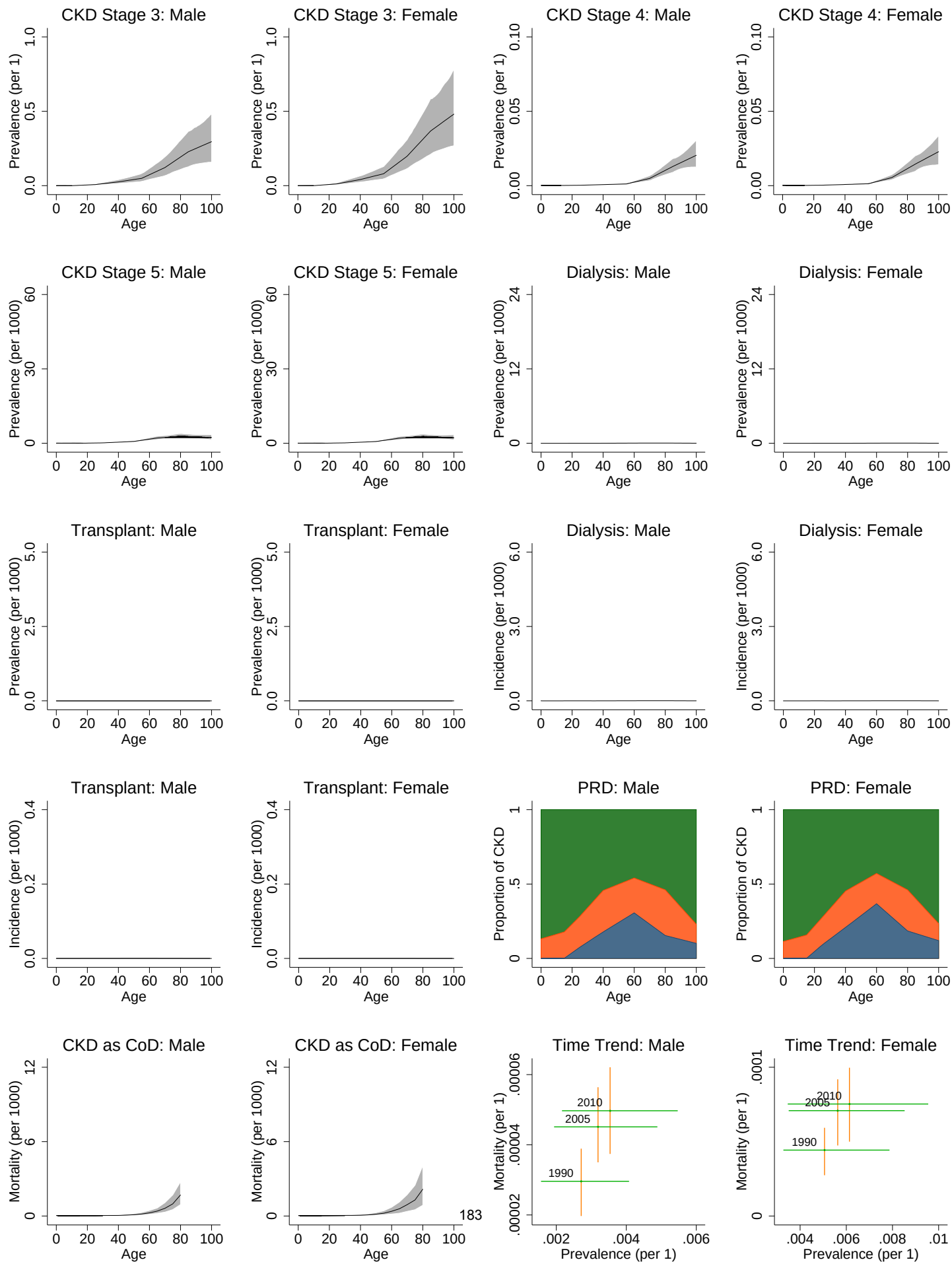
CZE 2010 Estimates



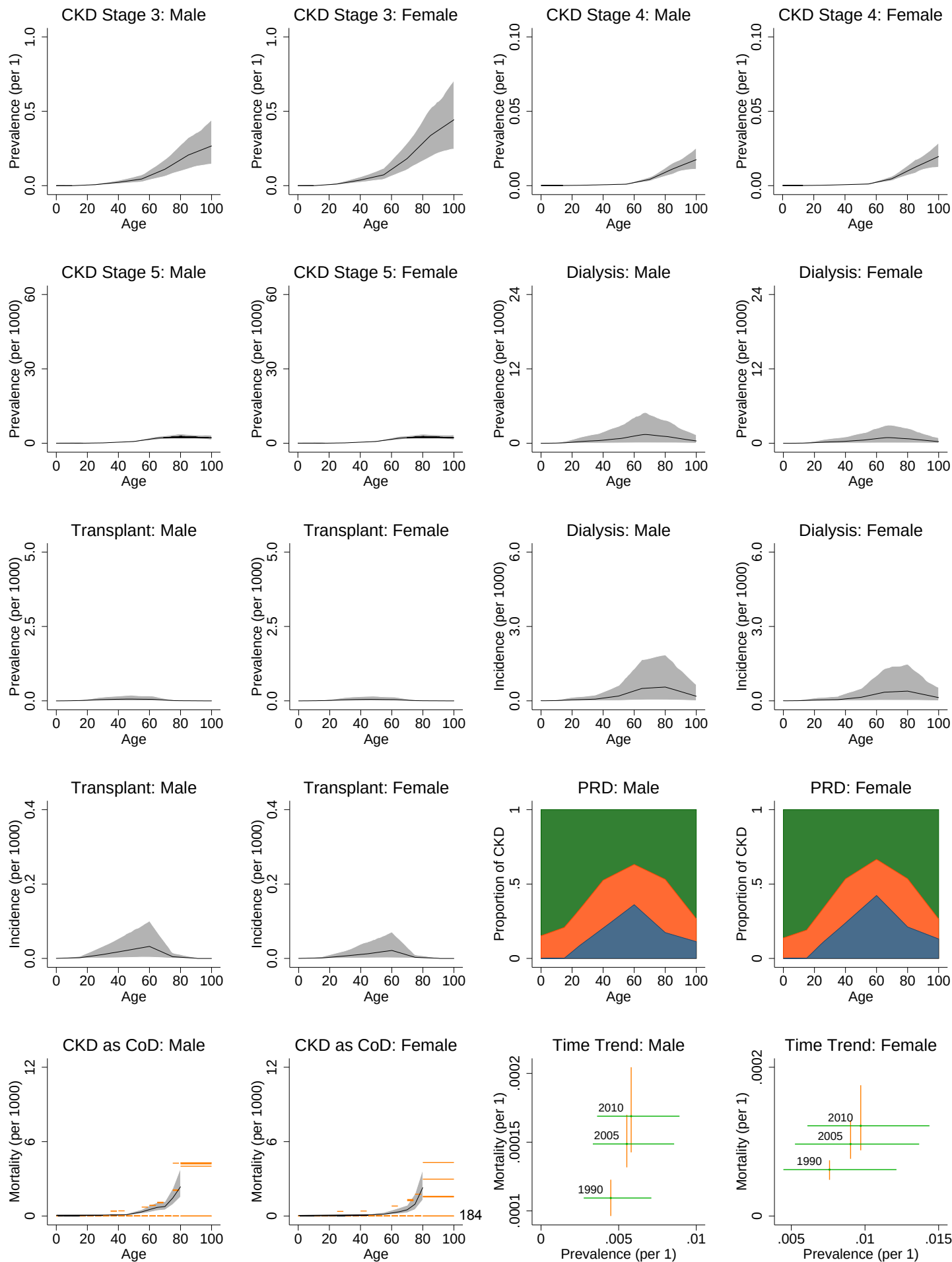
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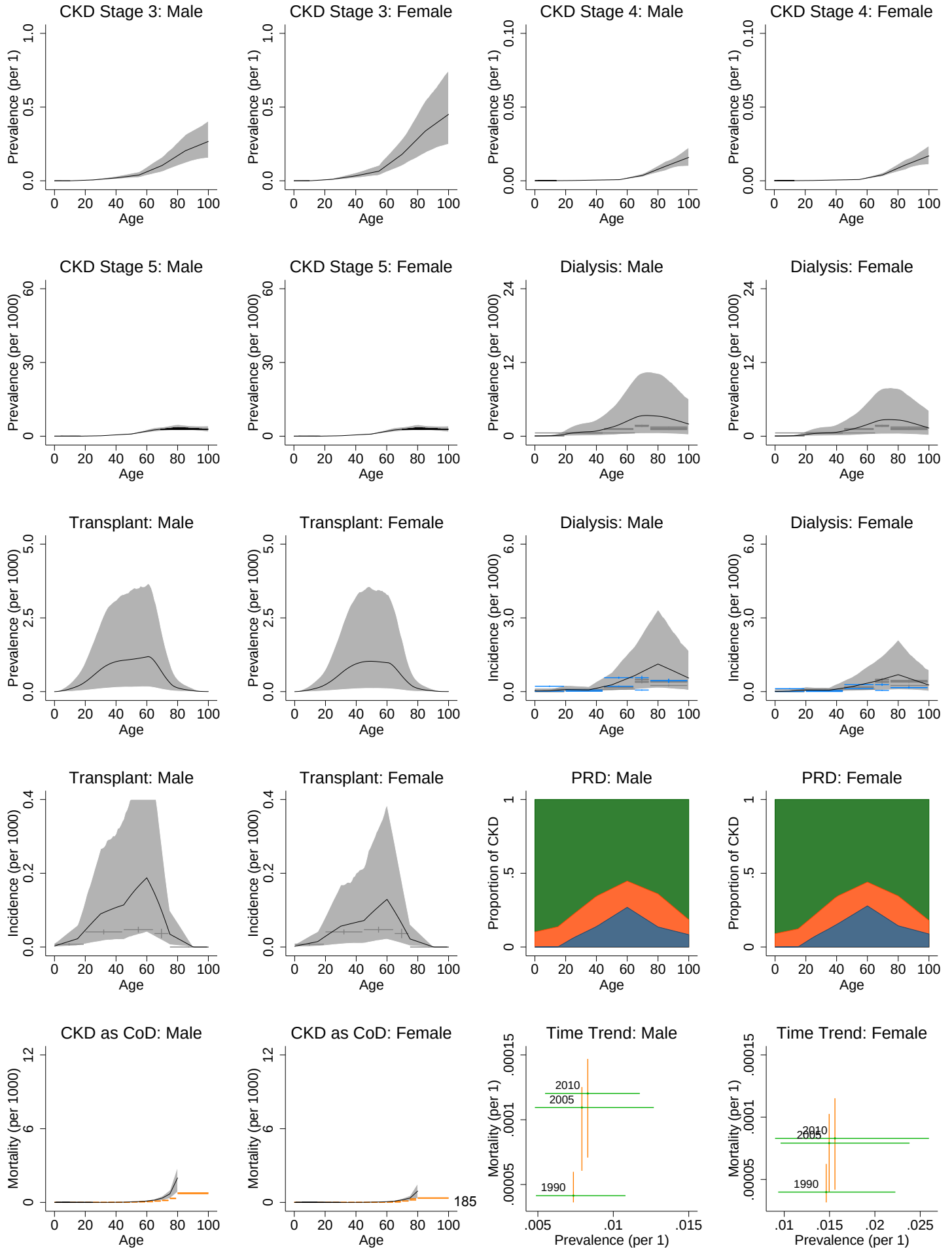
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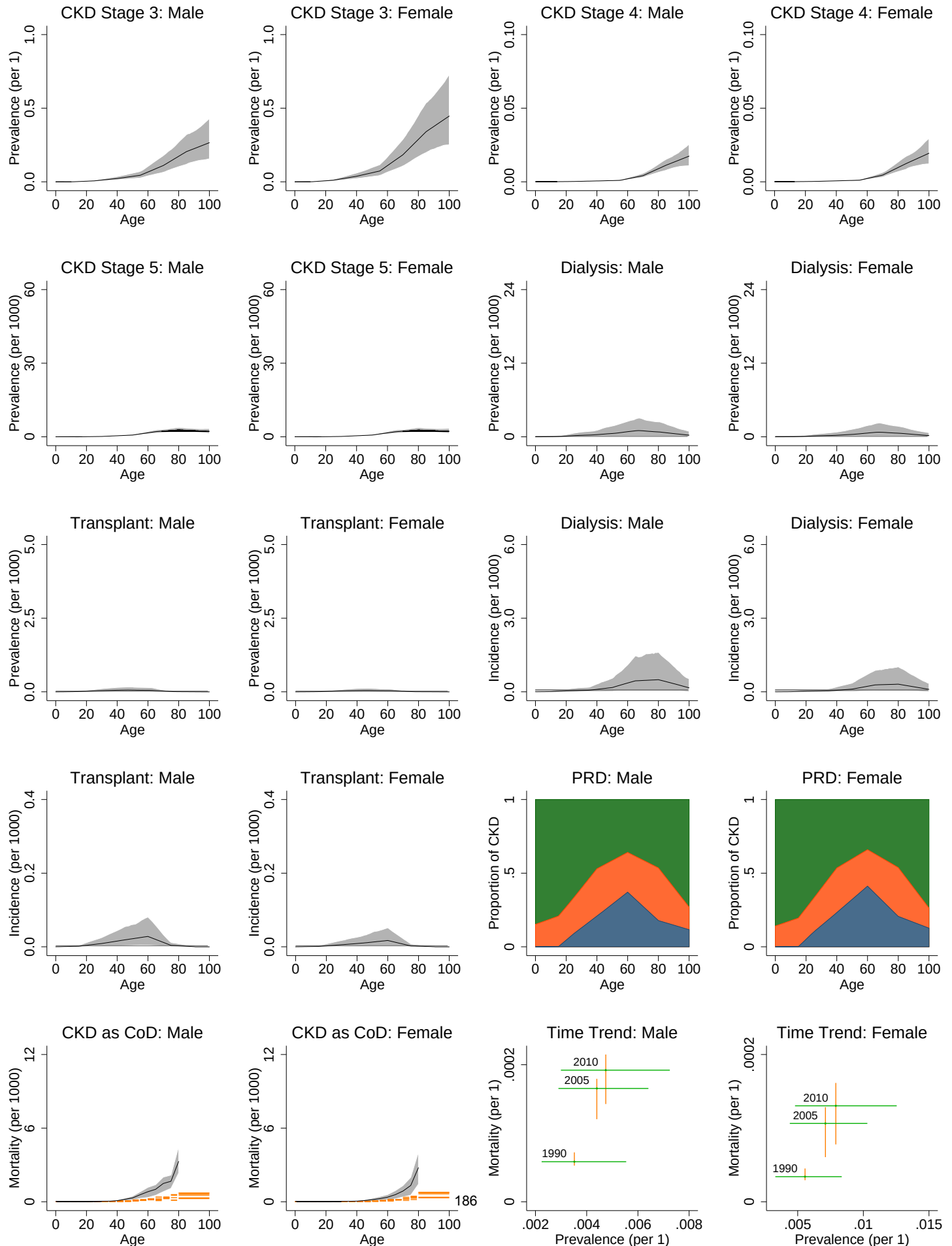
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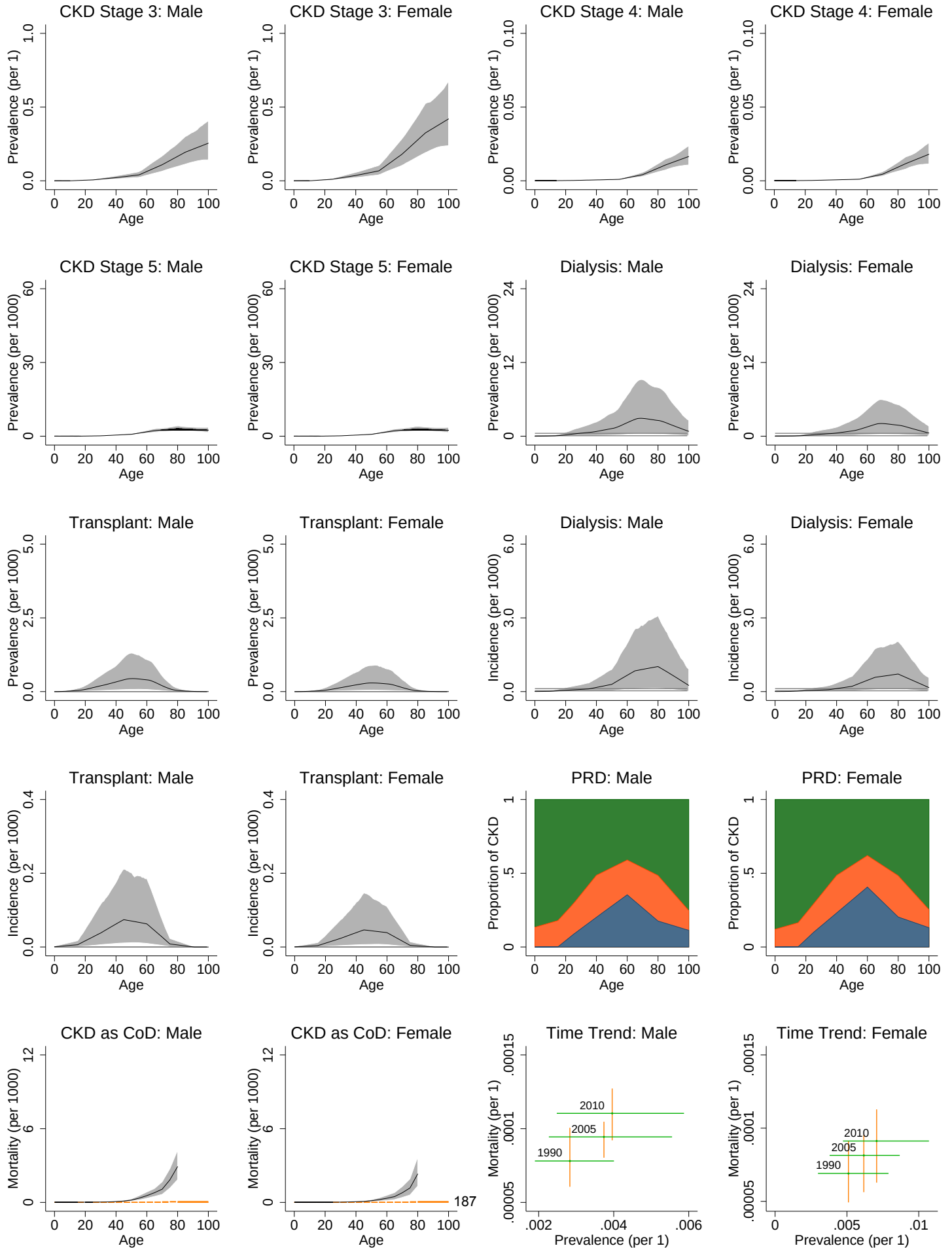
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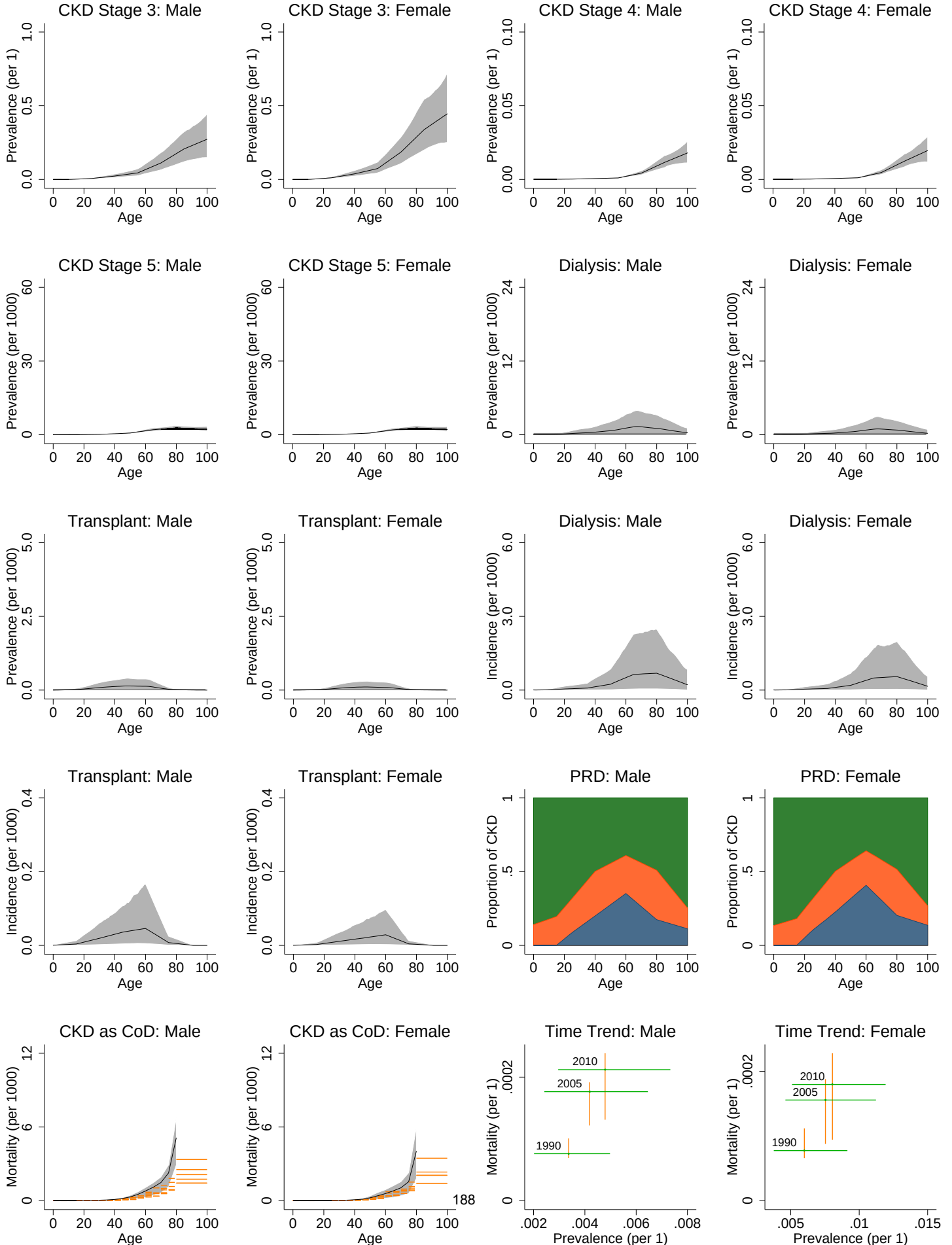
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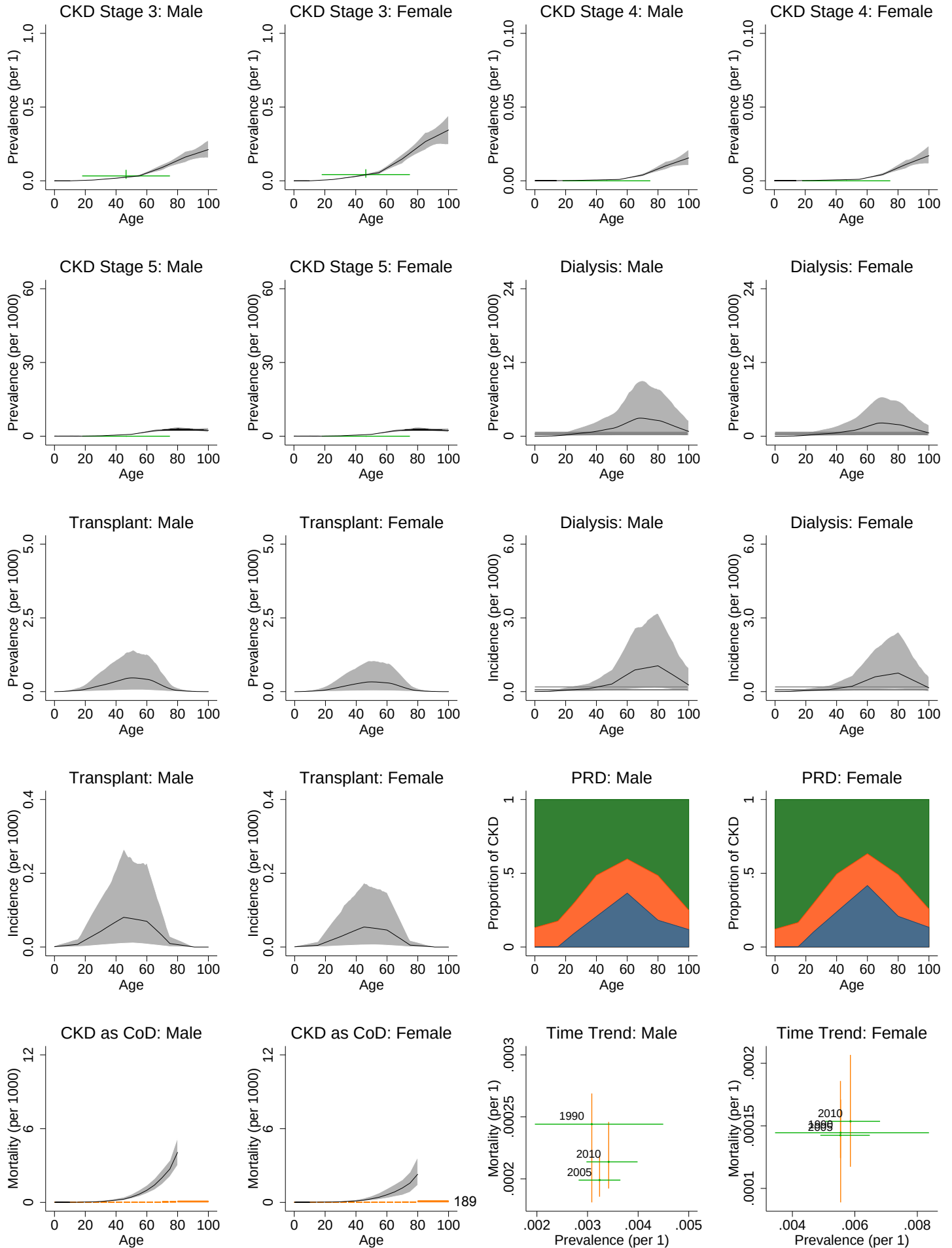
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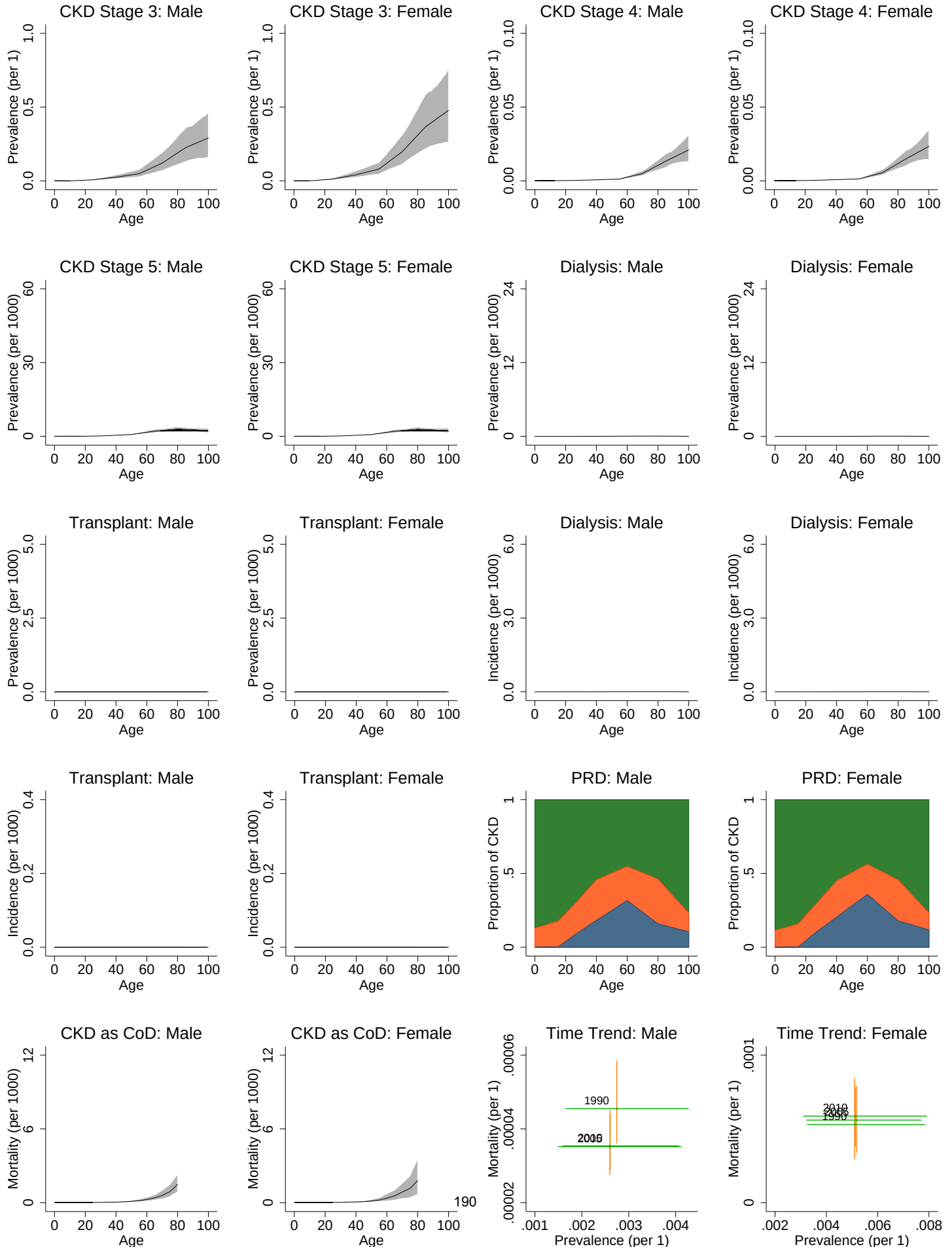
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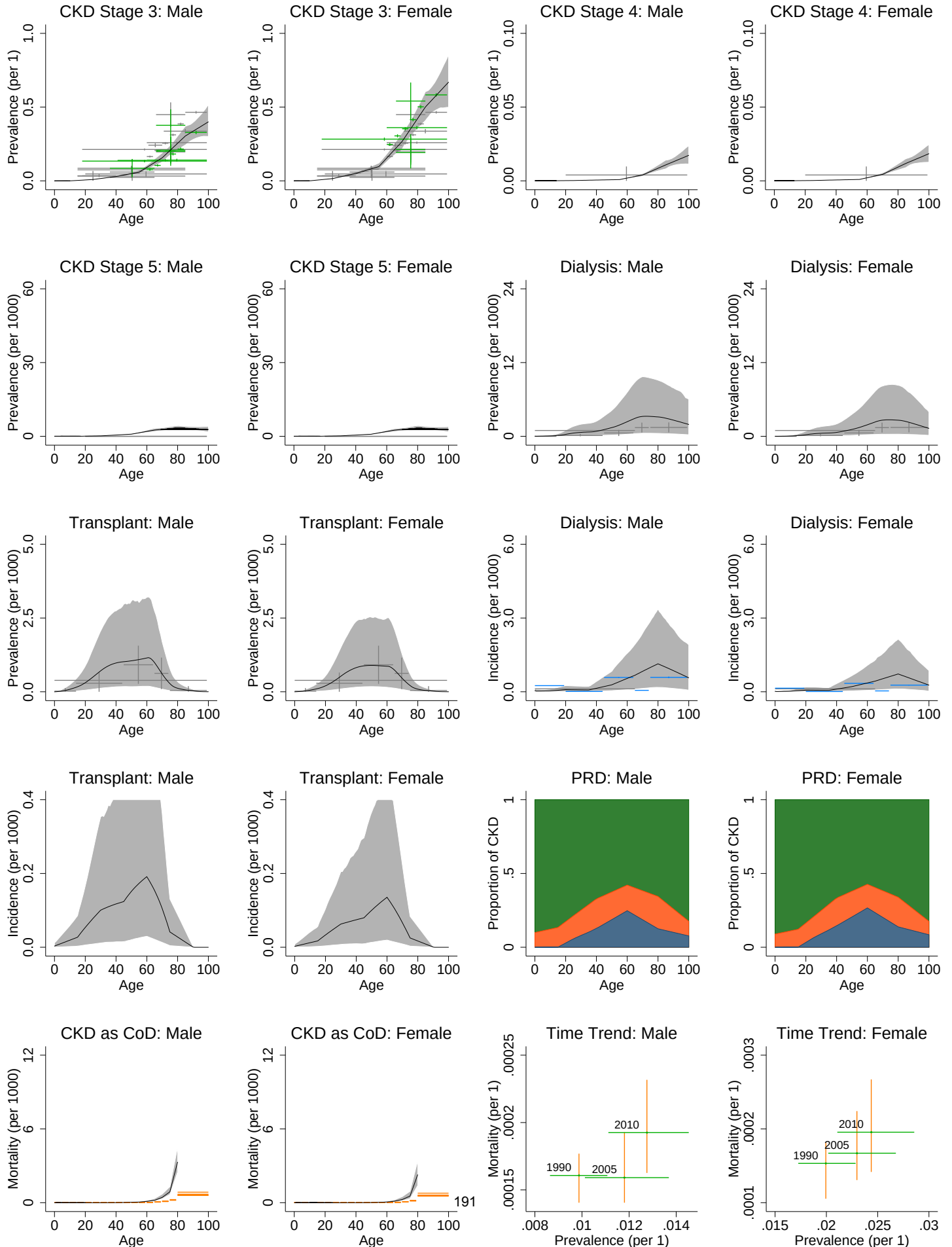
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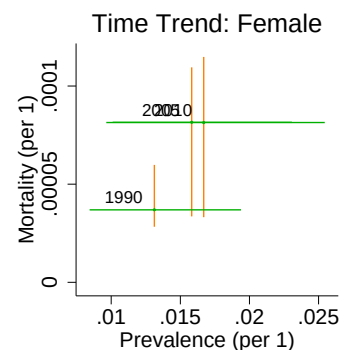
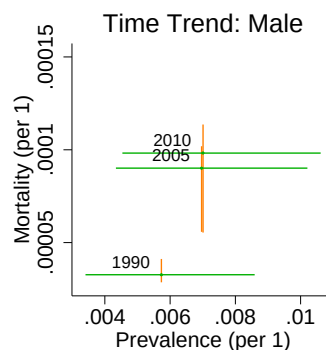
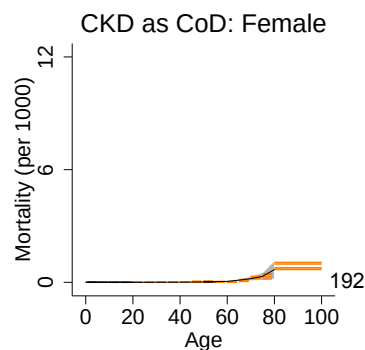
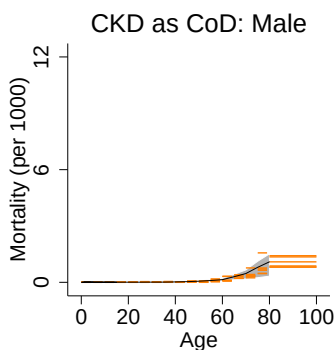
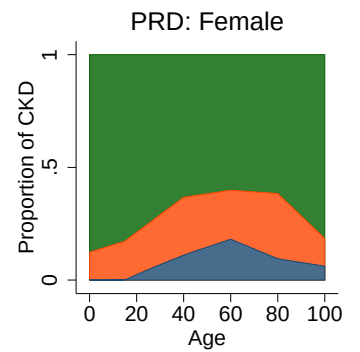
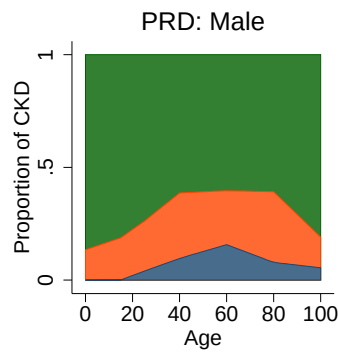
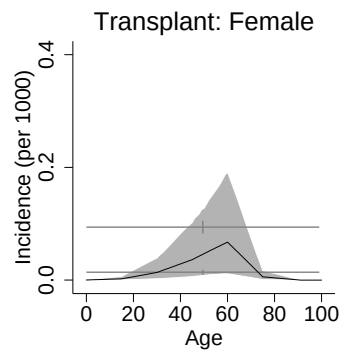
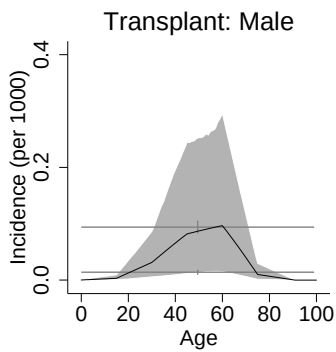
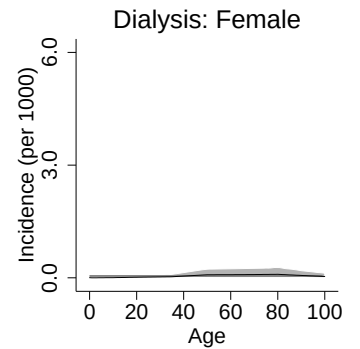
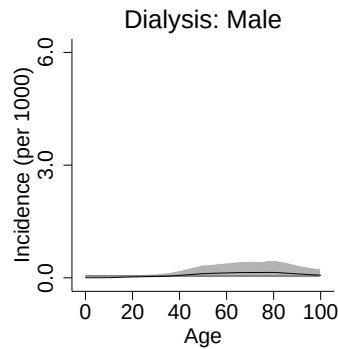
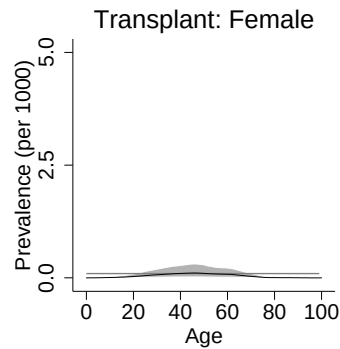
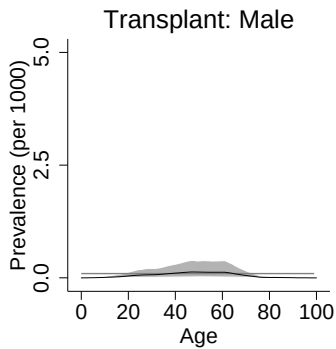
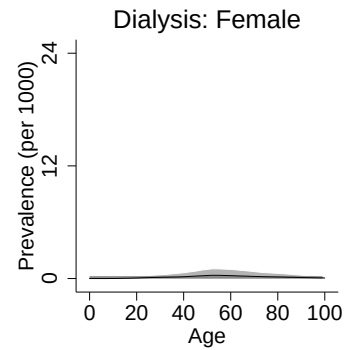
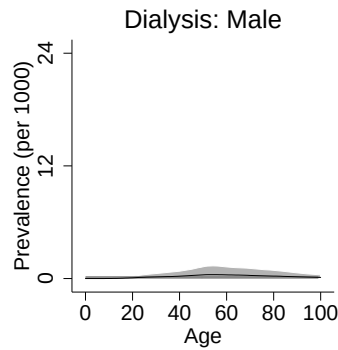
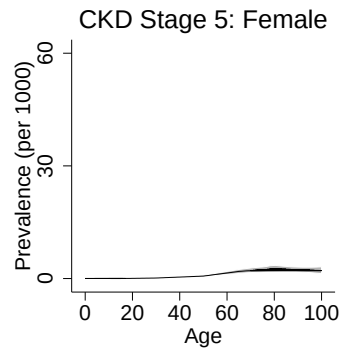
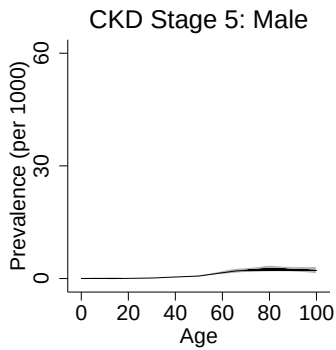
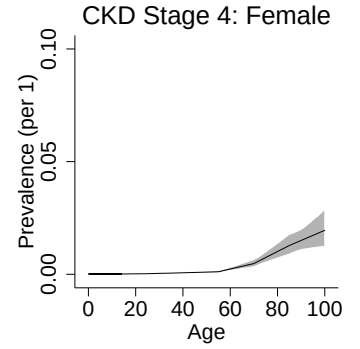
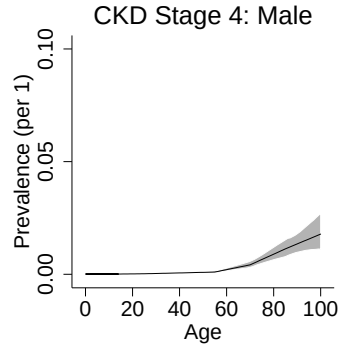
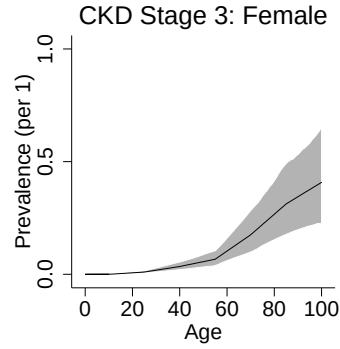
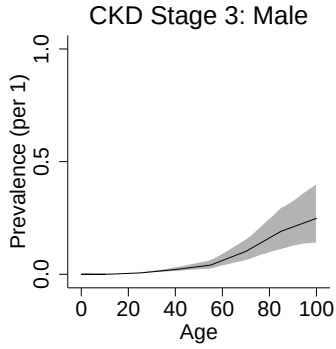
ERI 2010 Estimates



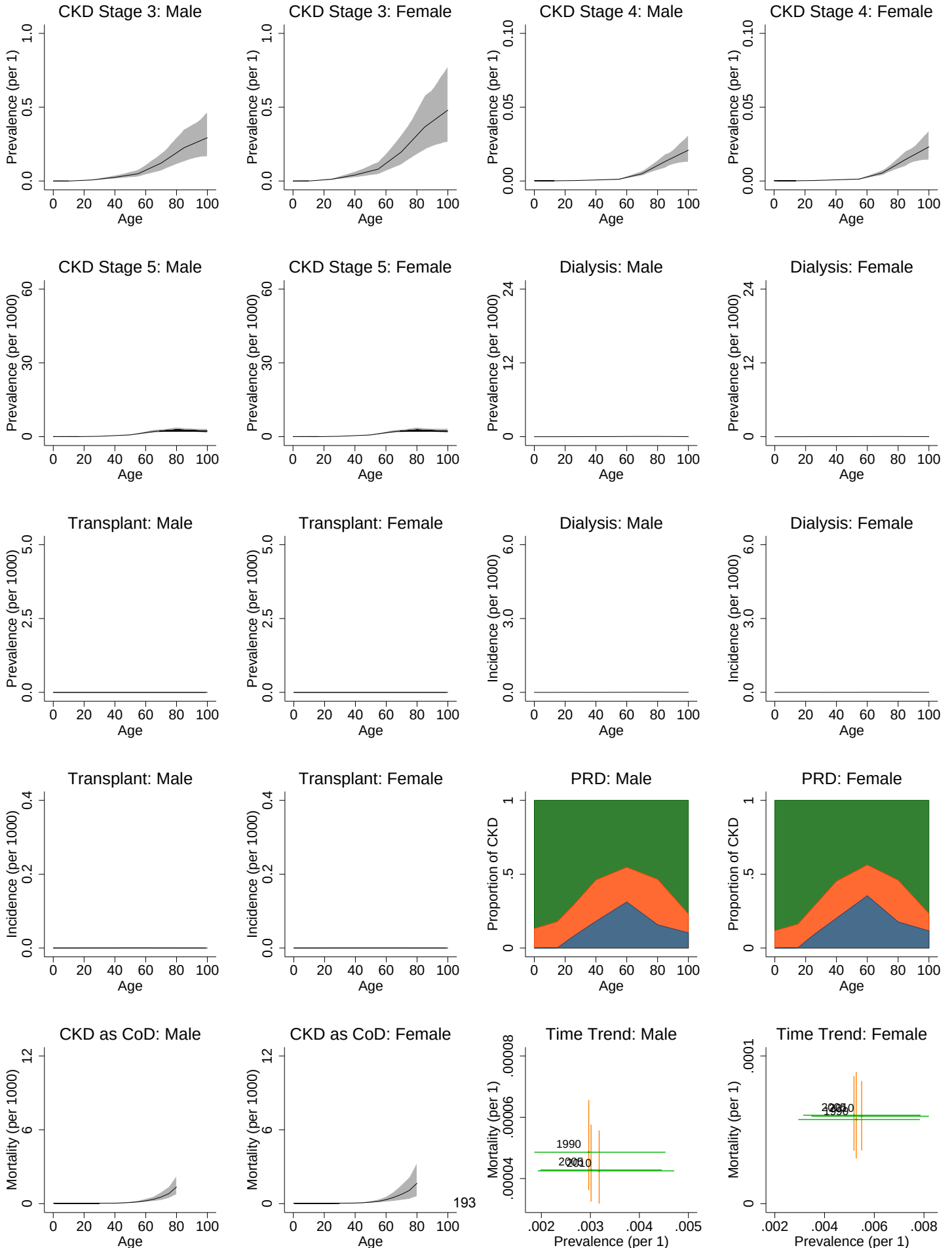
ESP 2010 Estimates



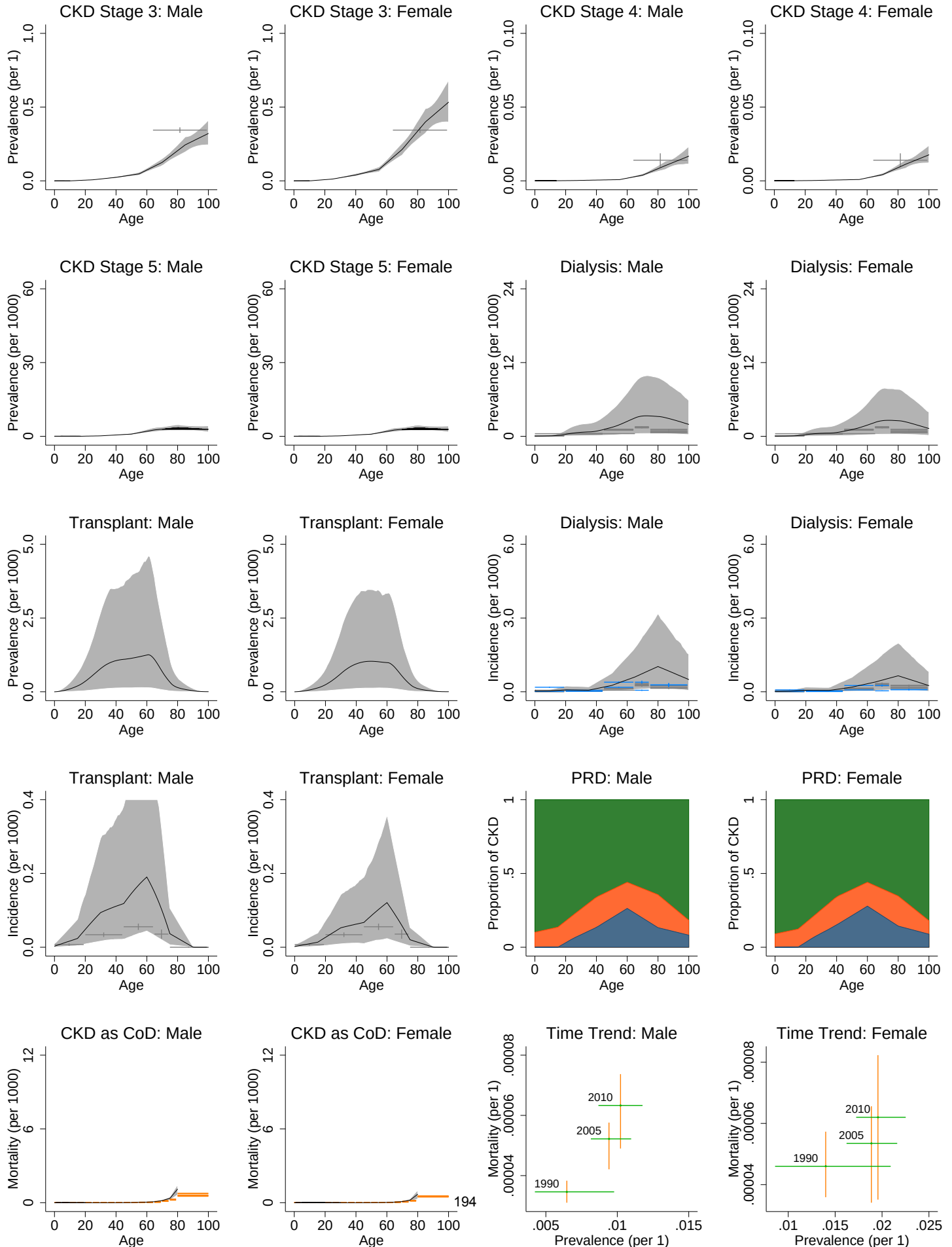
EST 2010 Estimates



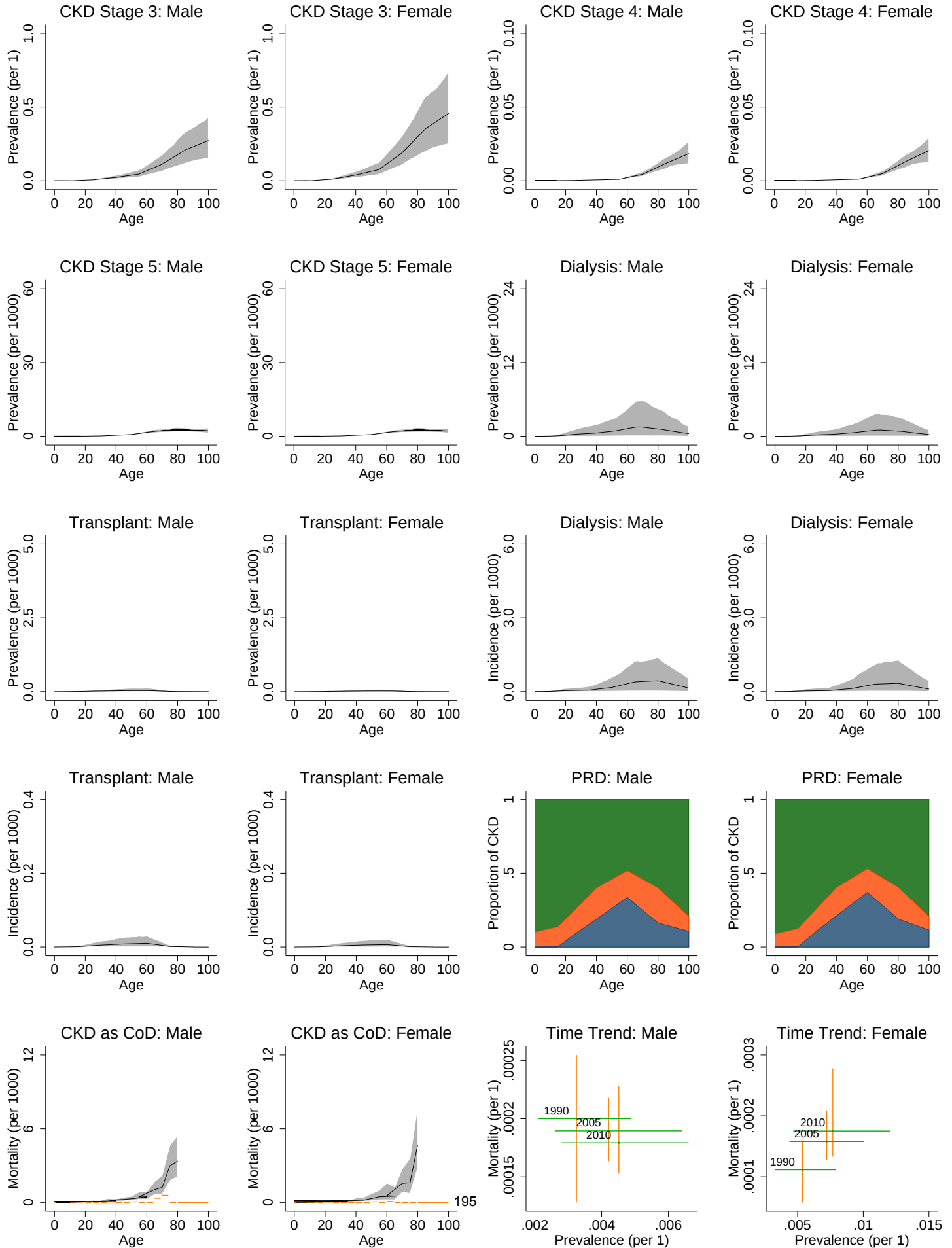
ETH 2010 Estimates



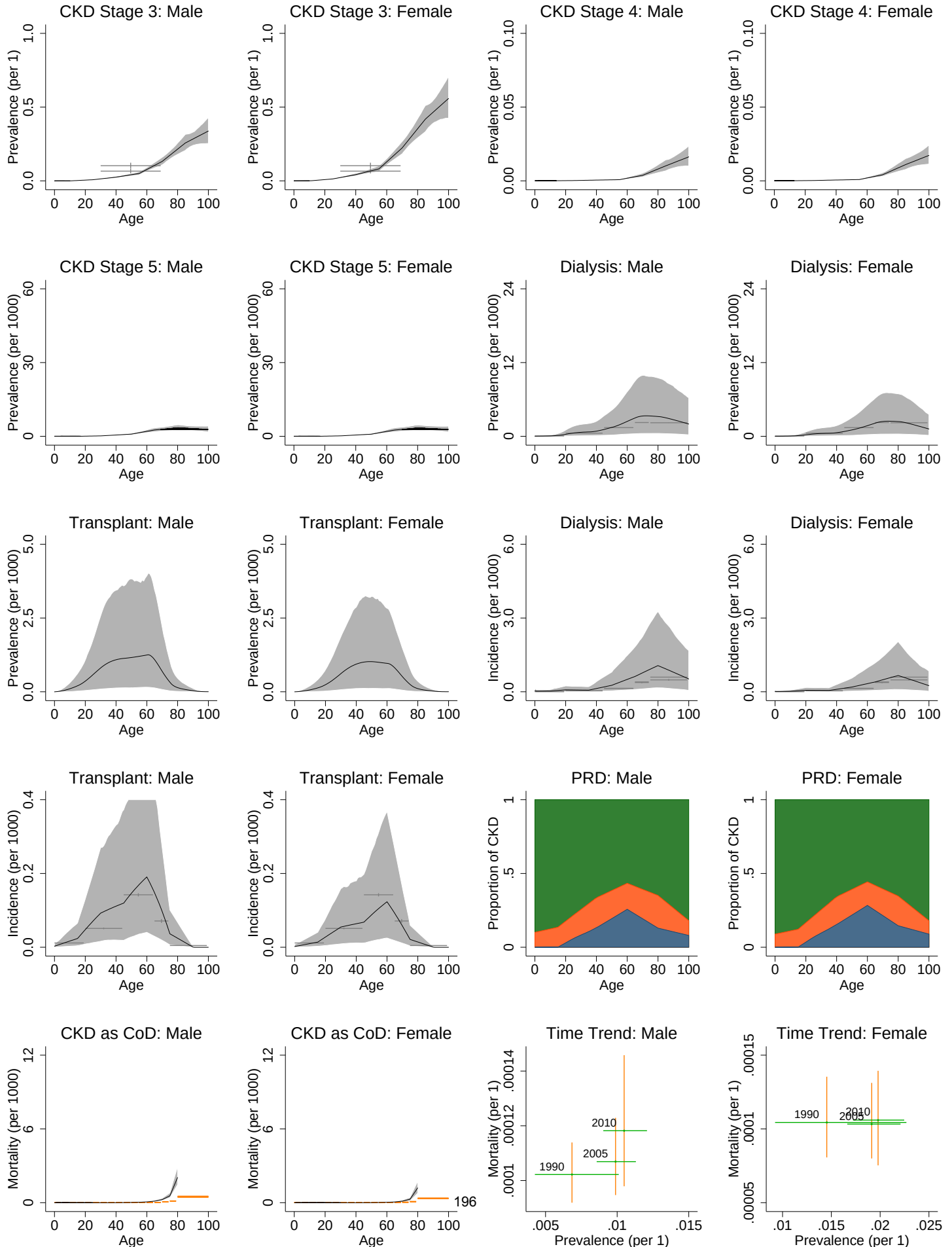
FIN 2010 Estimates



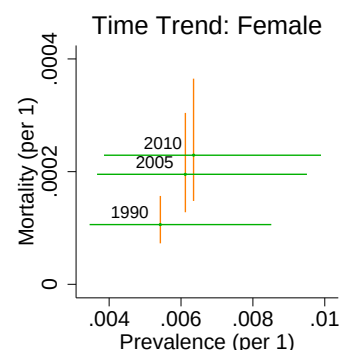
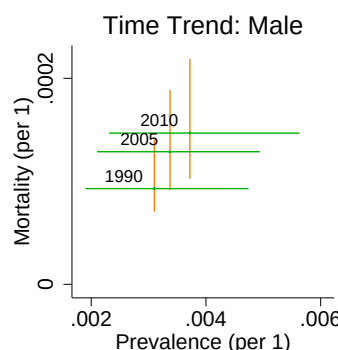
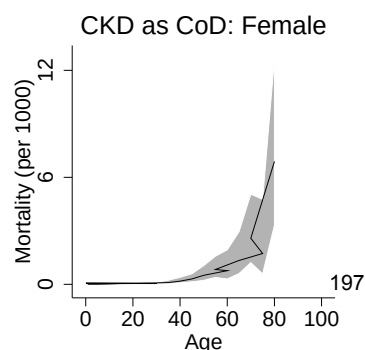
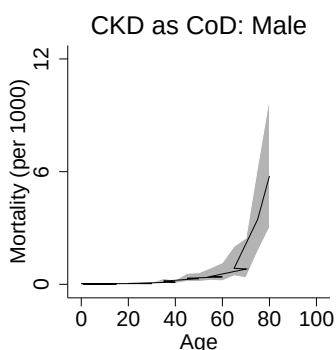
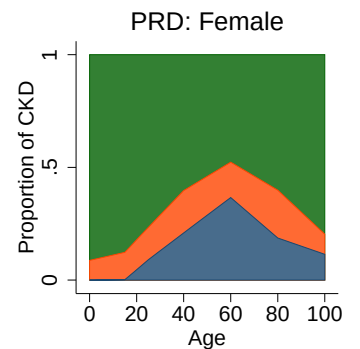
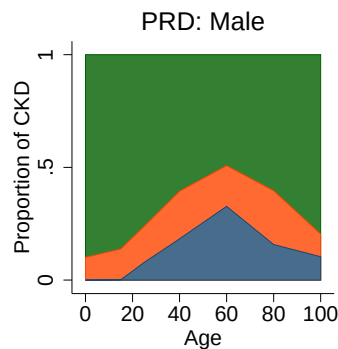
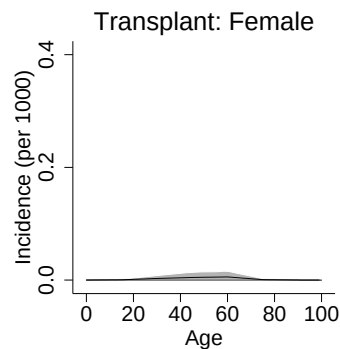
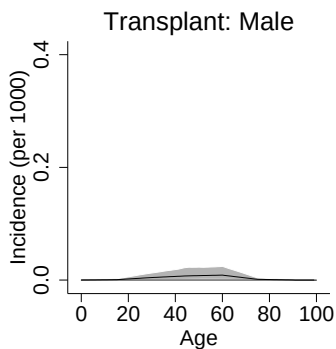
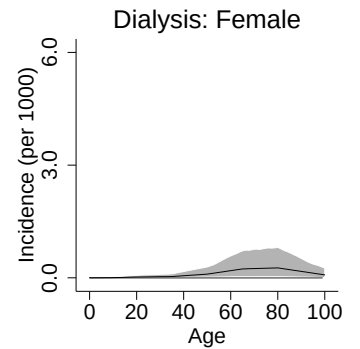
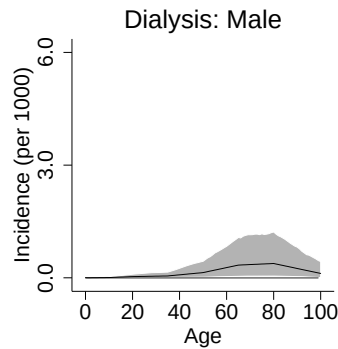
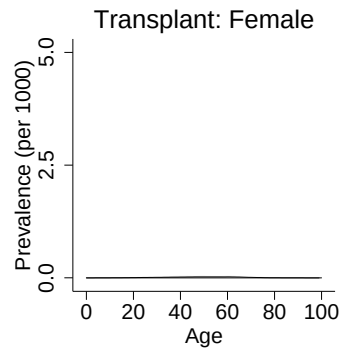
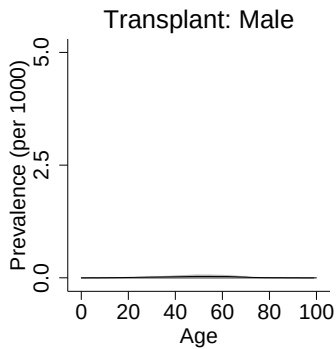
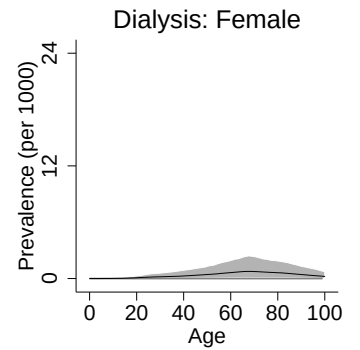
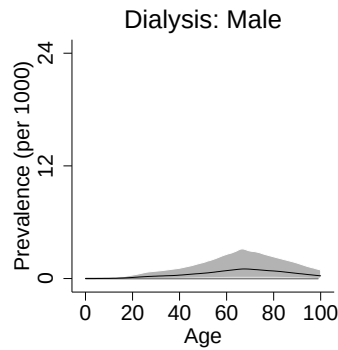
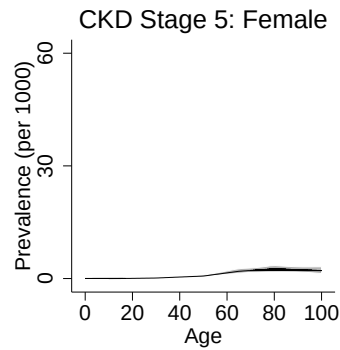
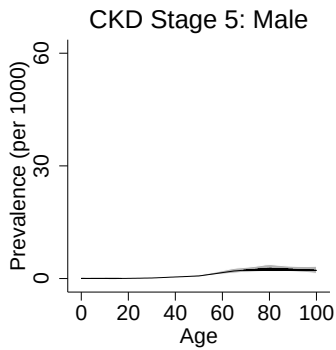
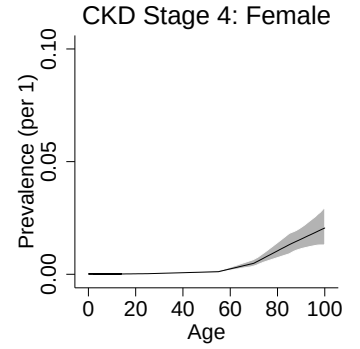
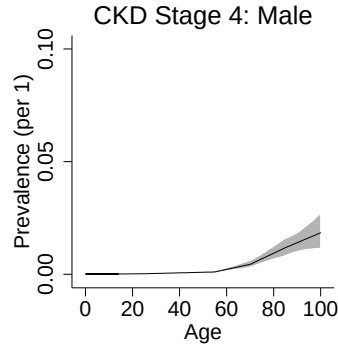
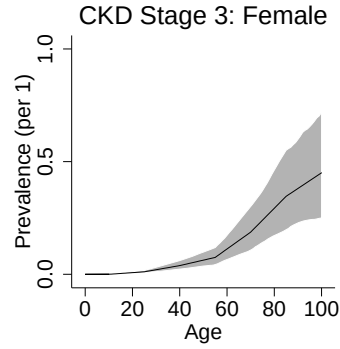
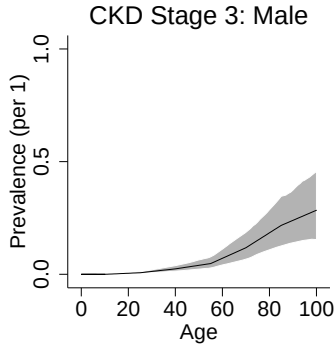
FJI 2010 Estimates



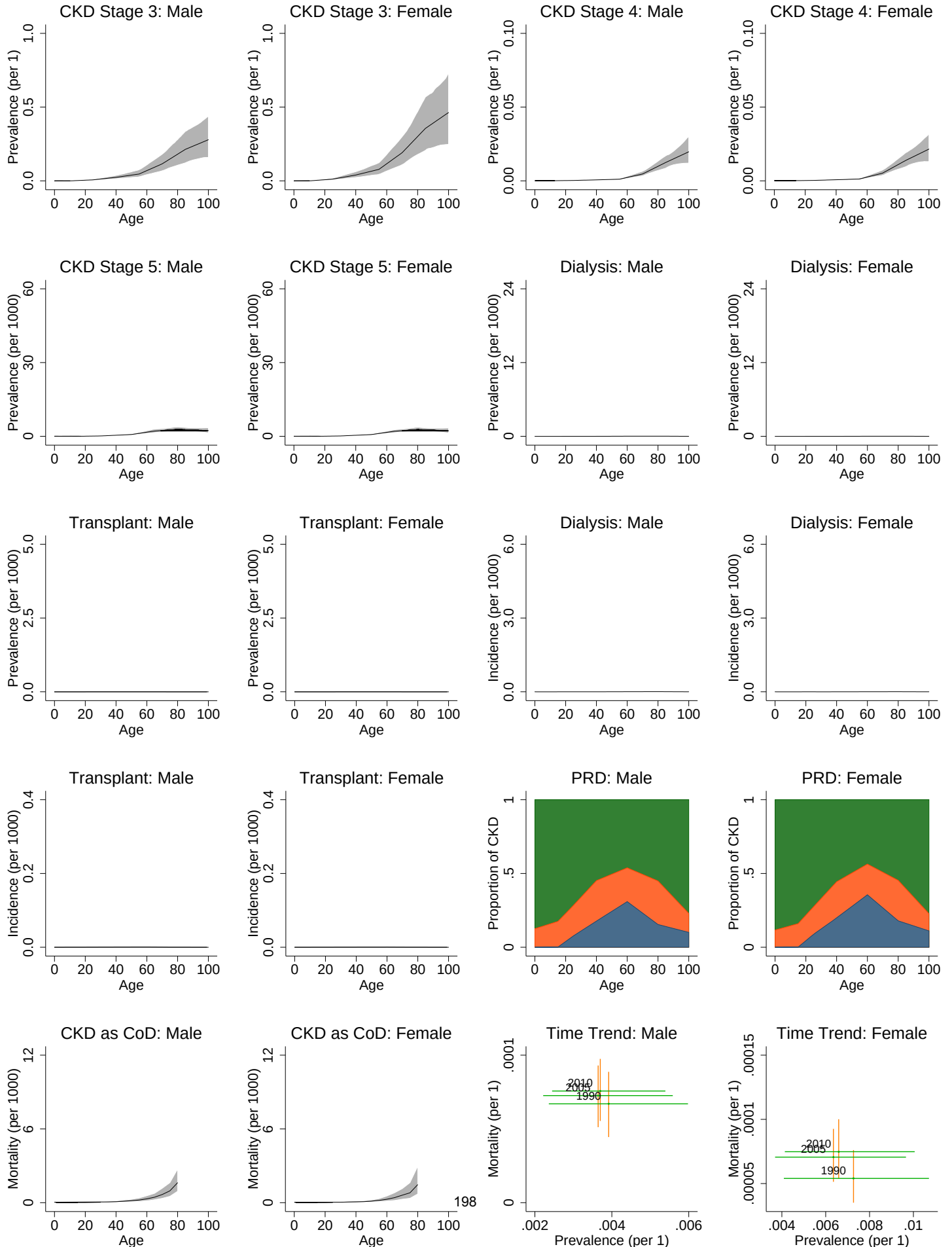
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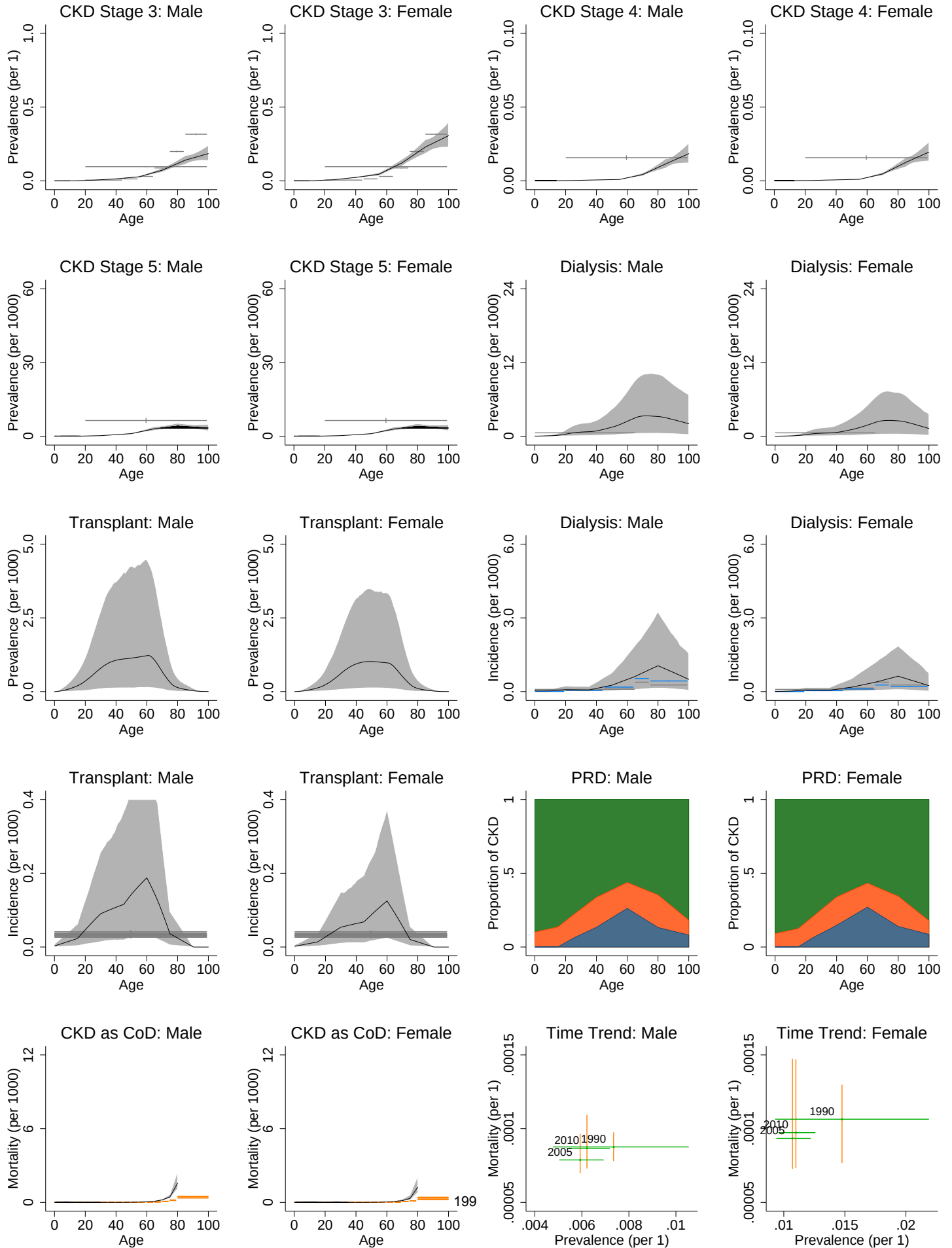
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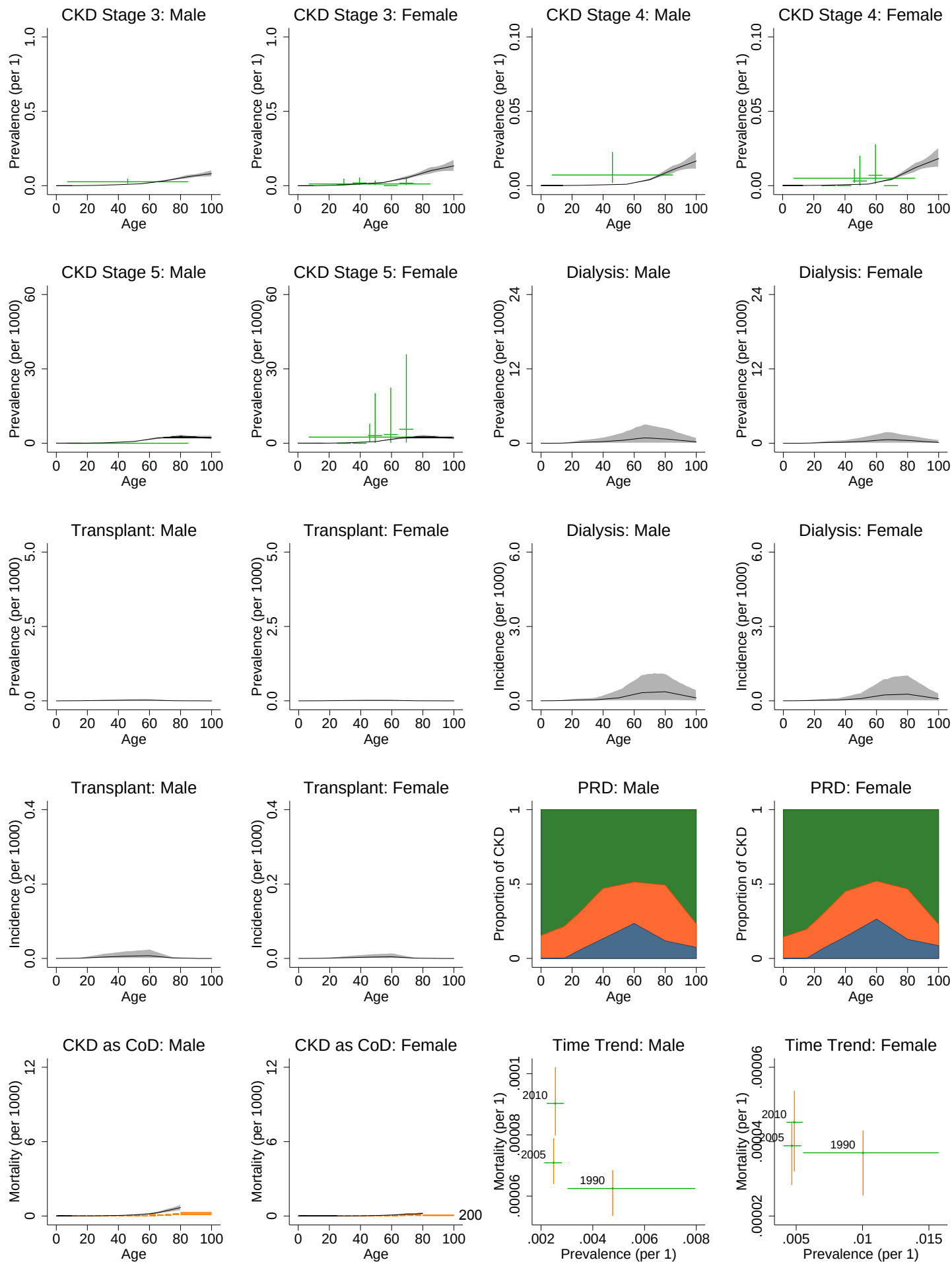
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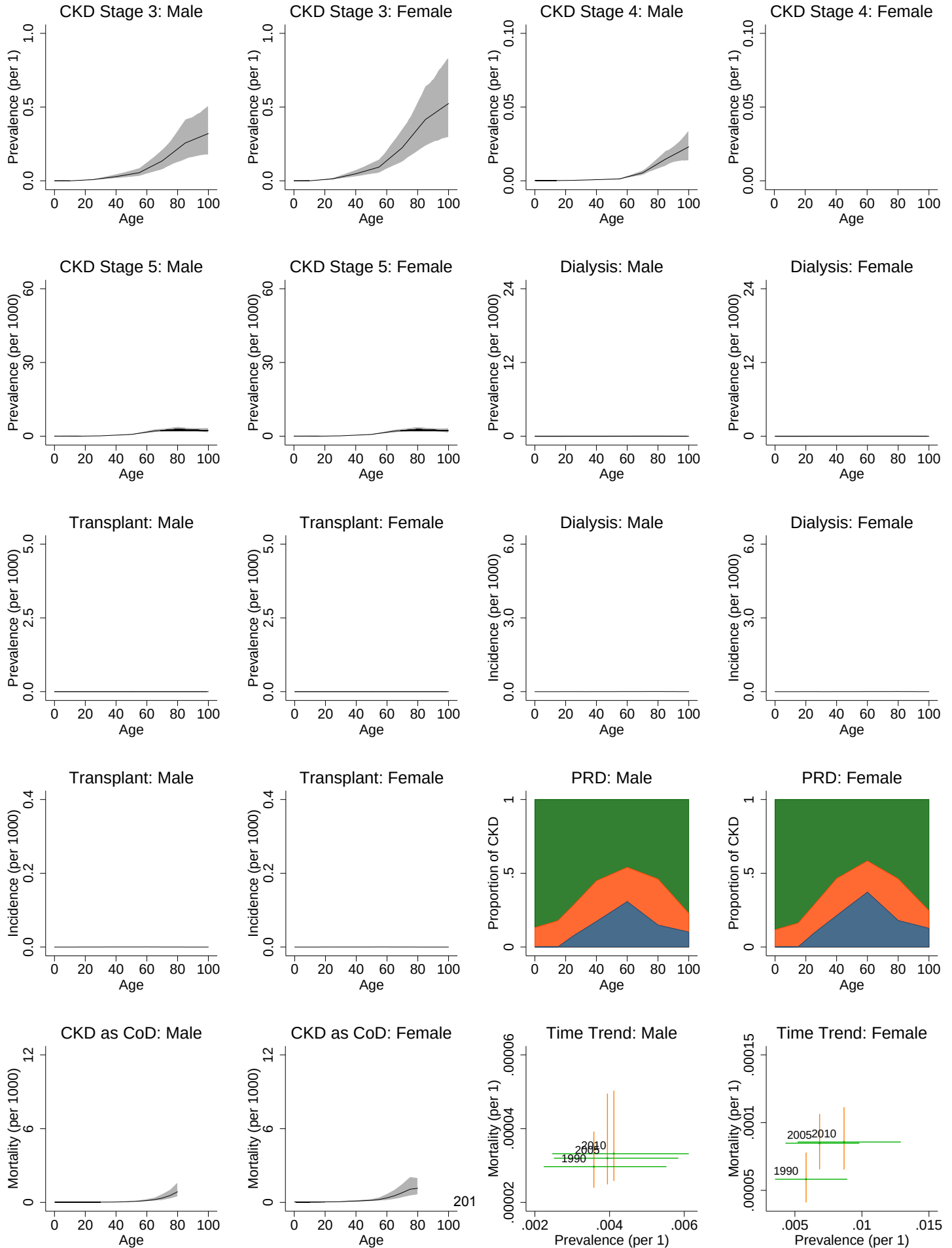
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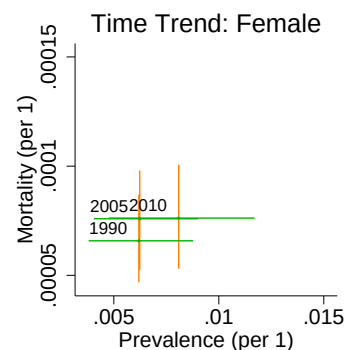
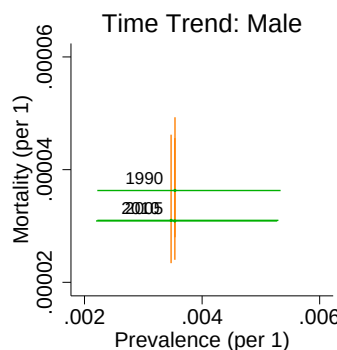
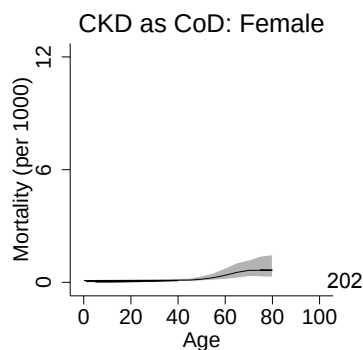
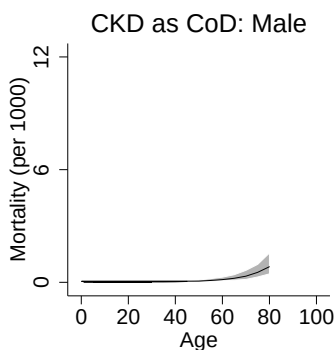
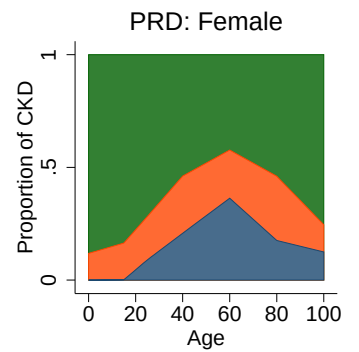
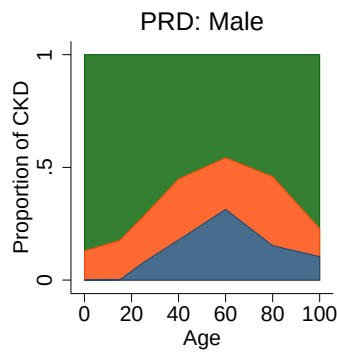
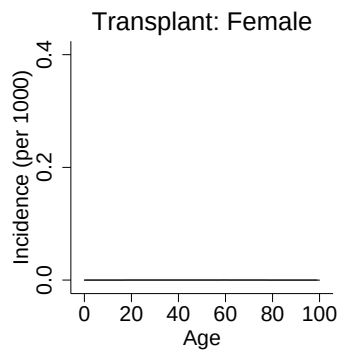
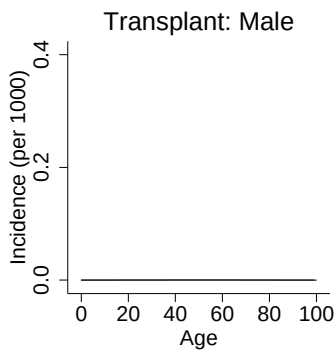
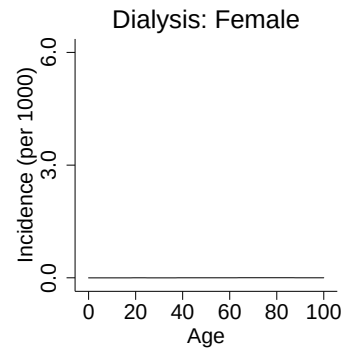
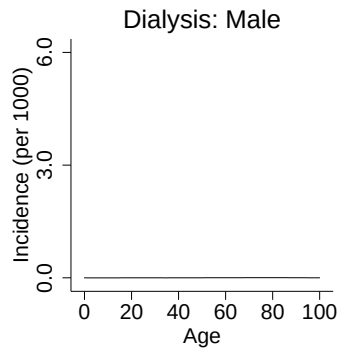
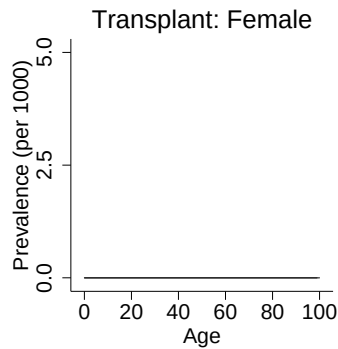
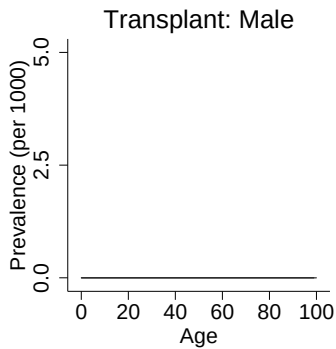
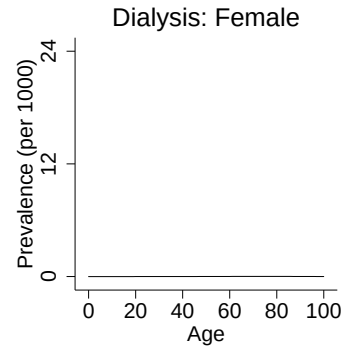
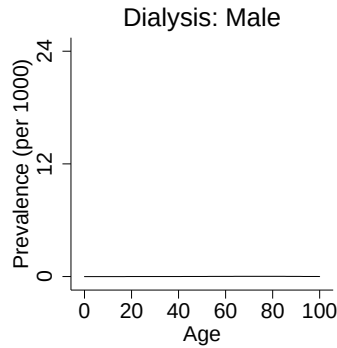
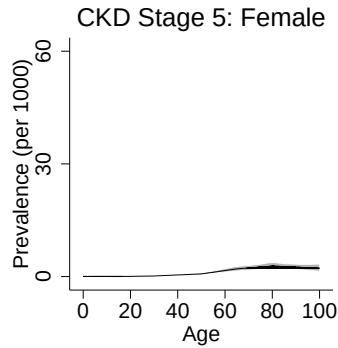
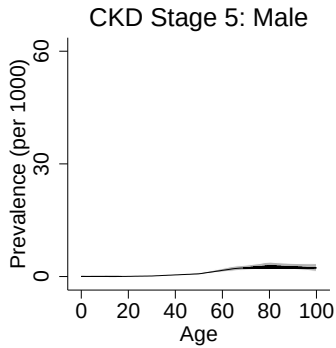
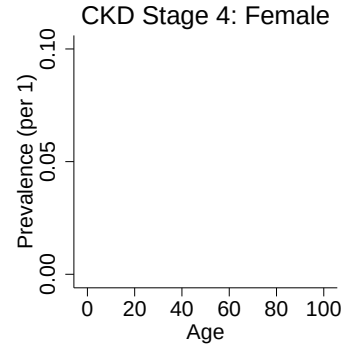
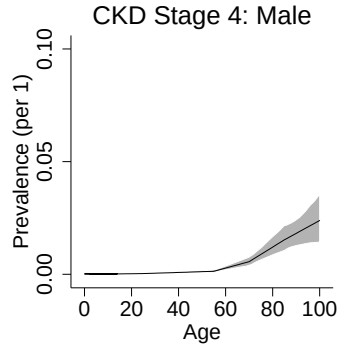
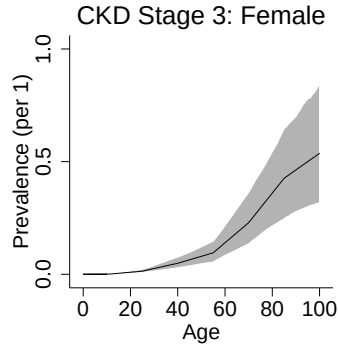
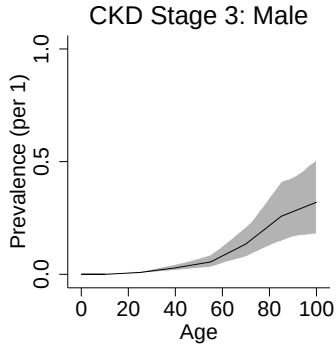
GEO 2010 Estimates



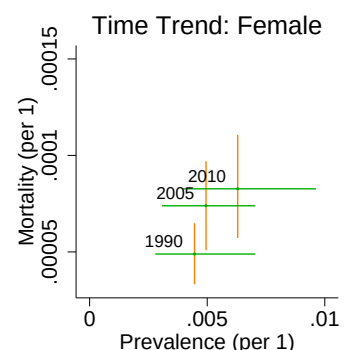
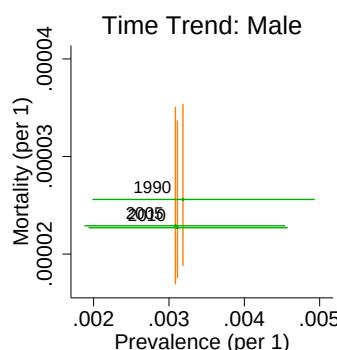
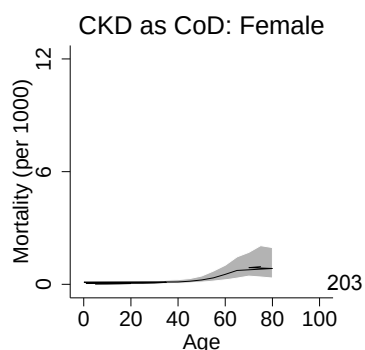
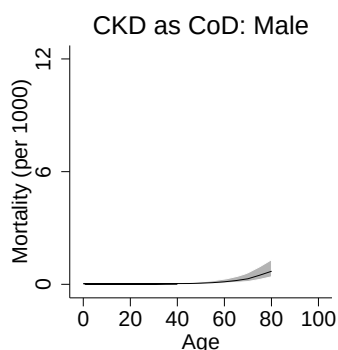
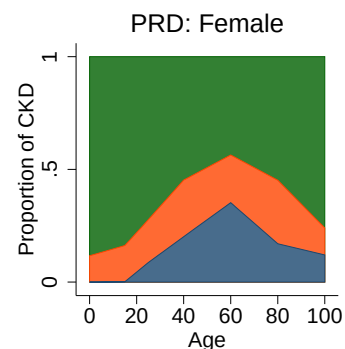
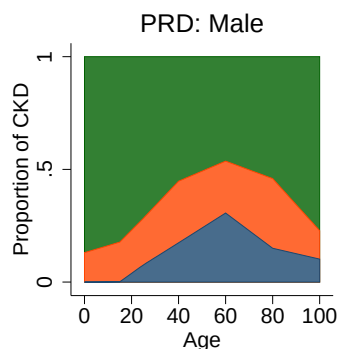
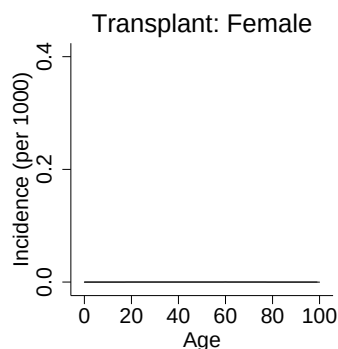
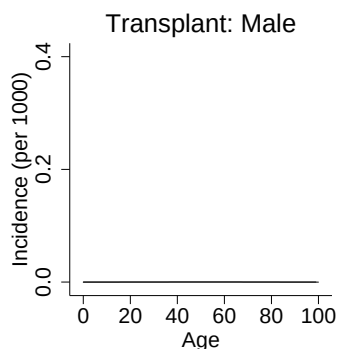
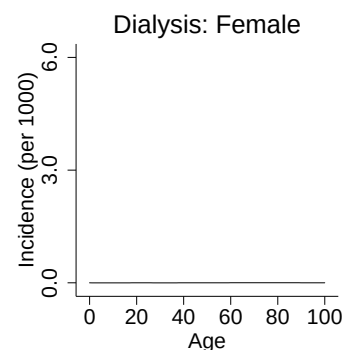
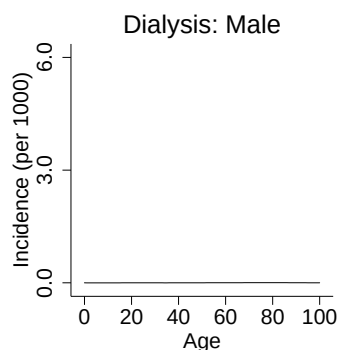
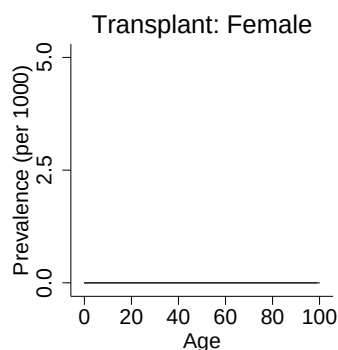
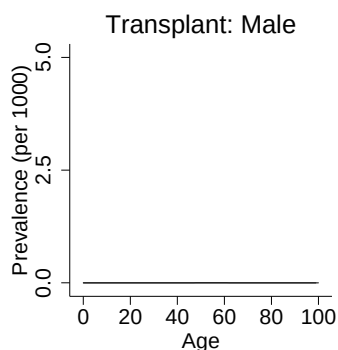
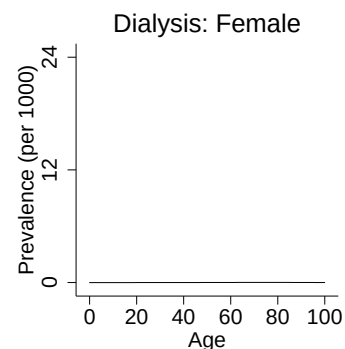
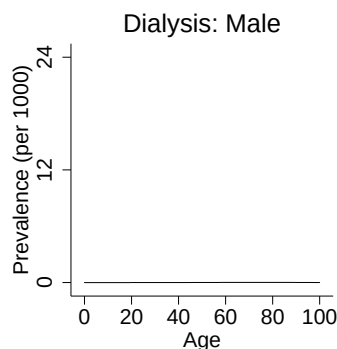
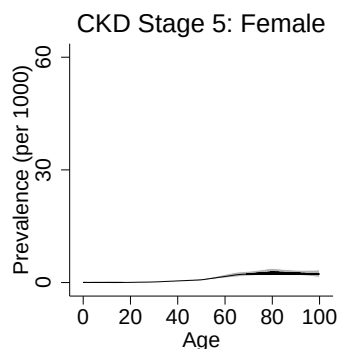
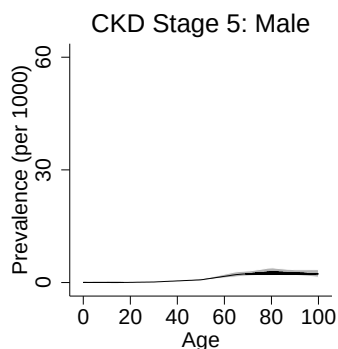
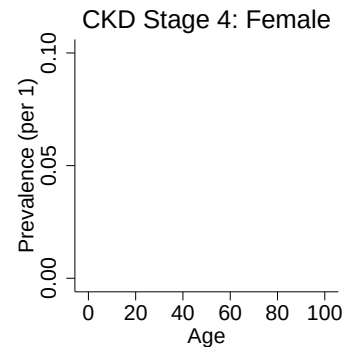
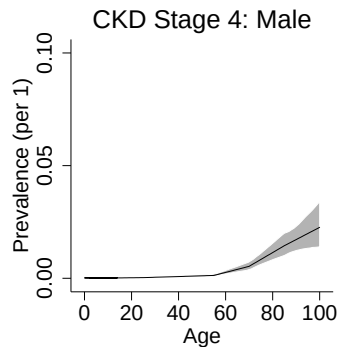
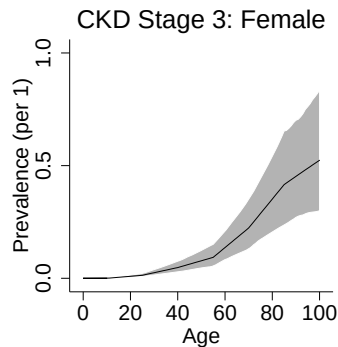
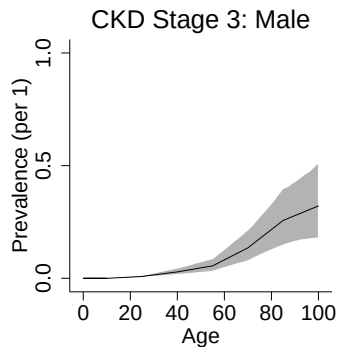
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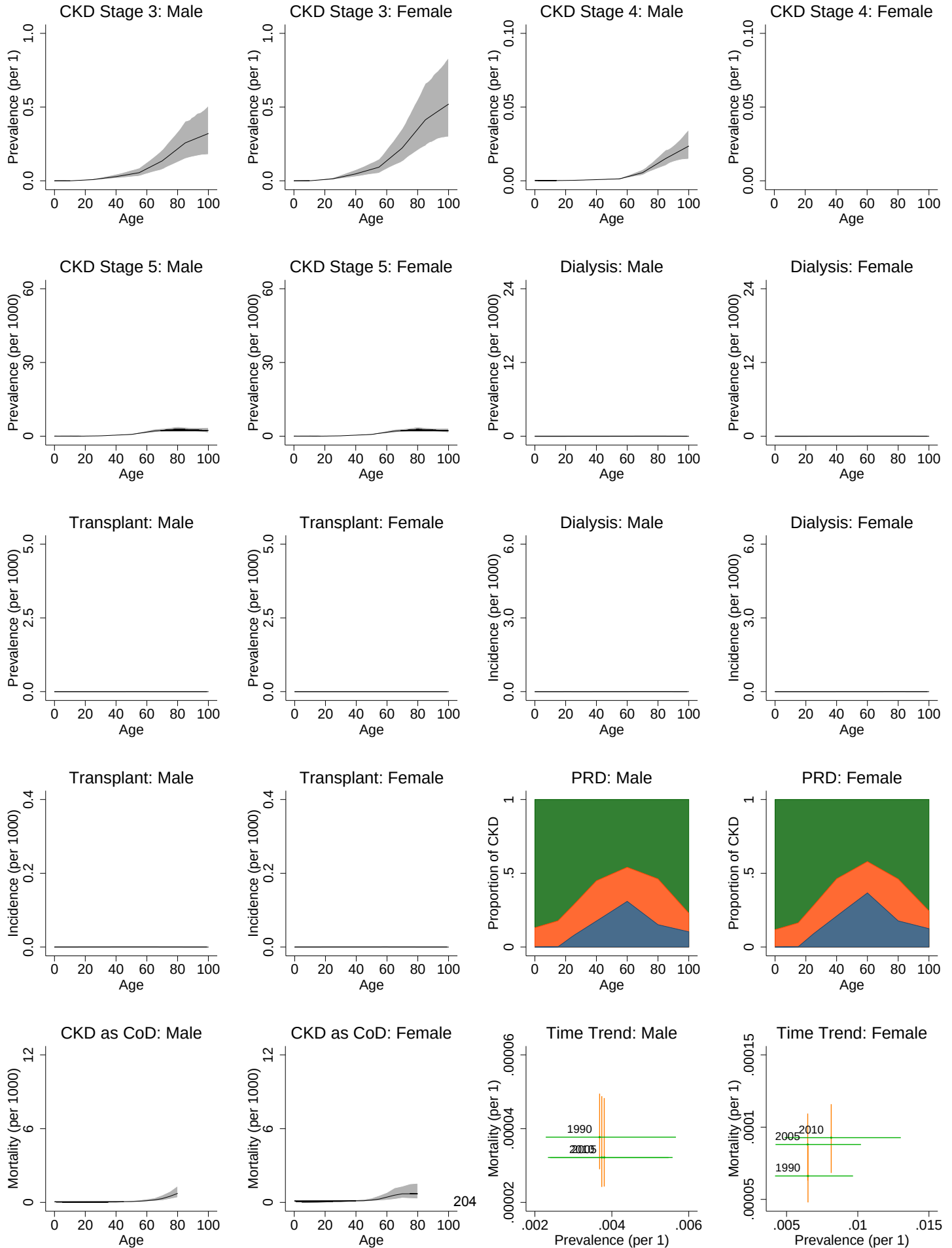
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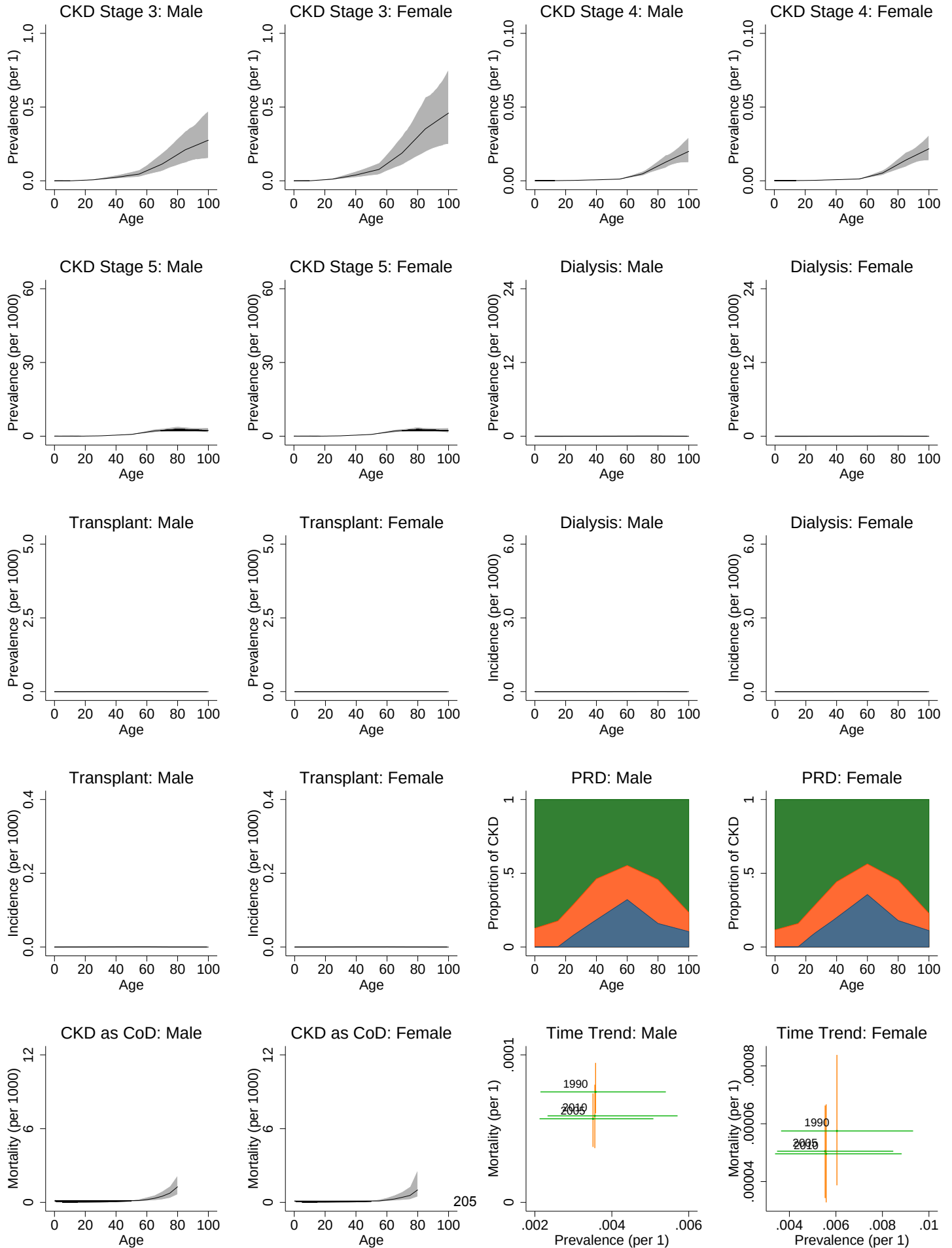
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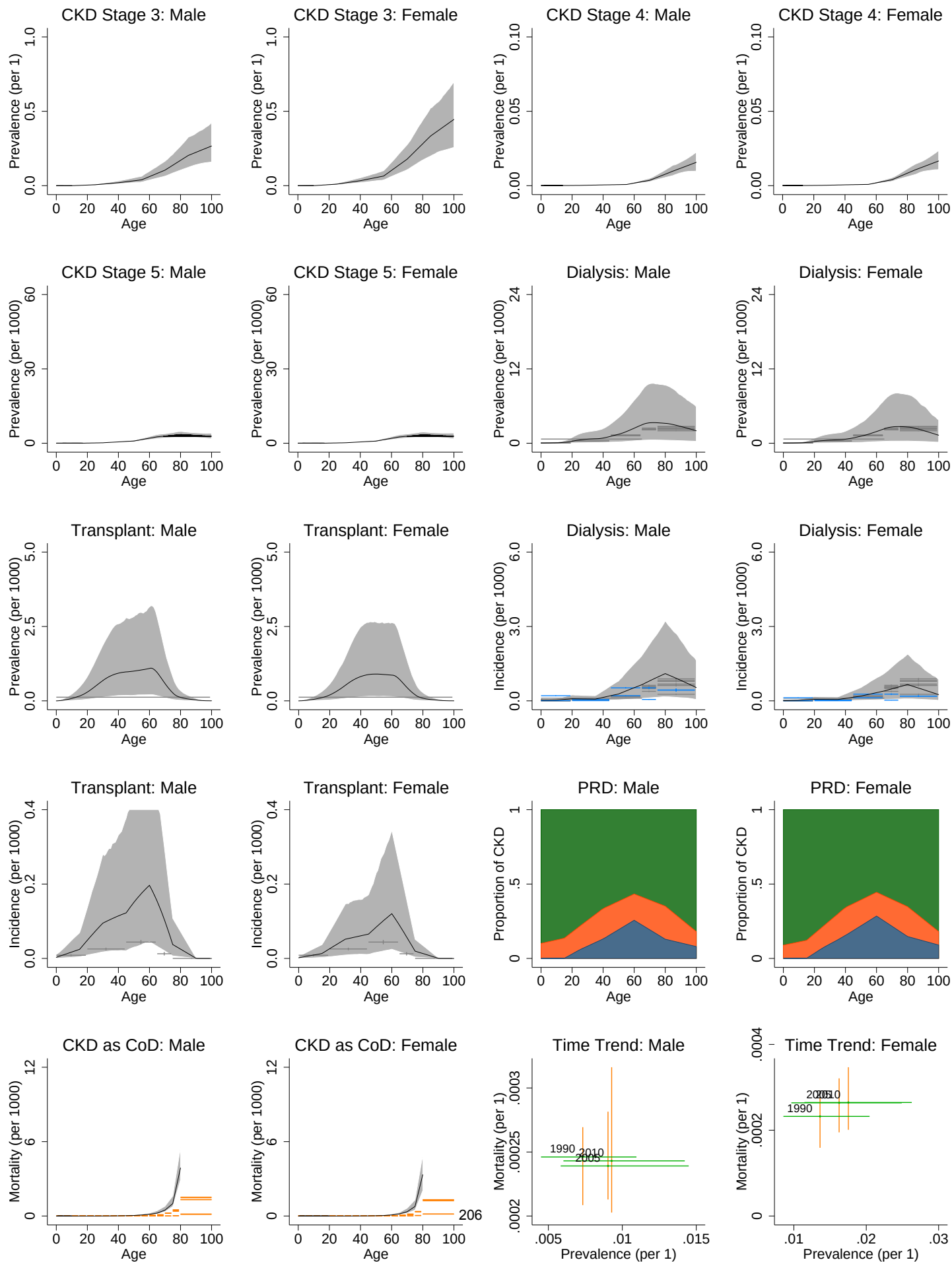
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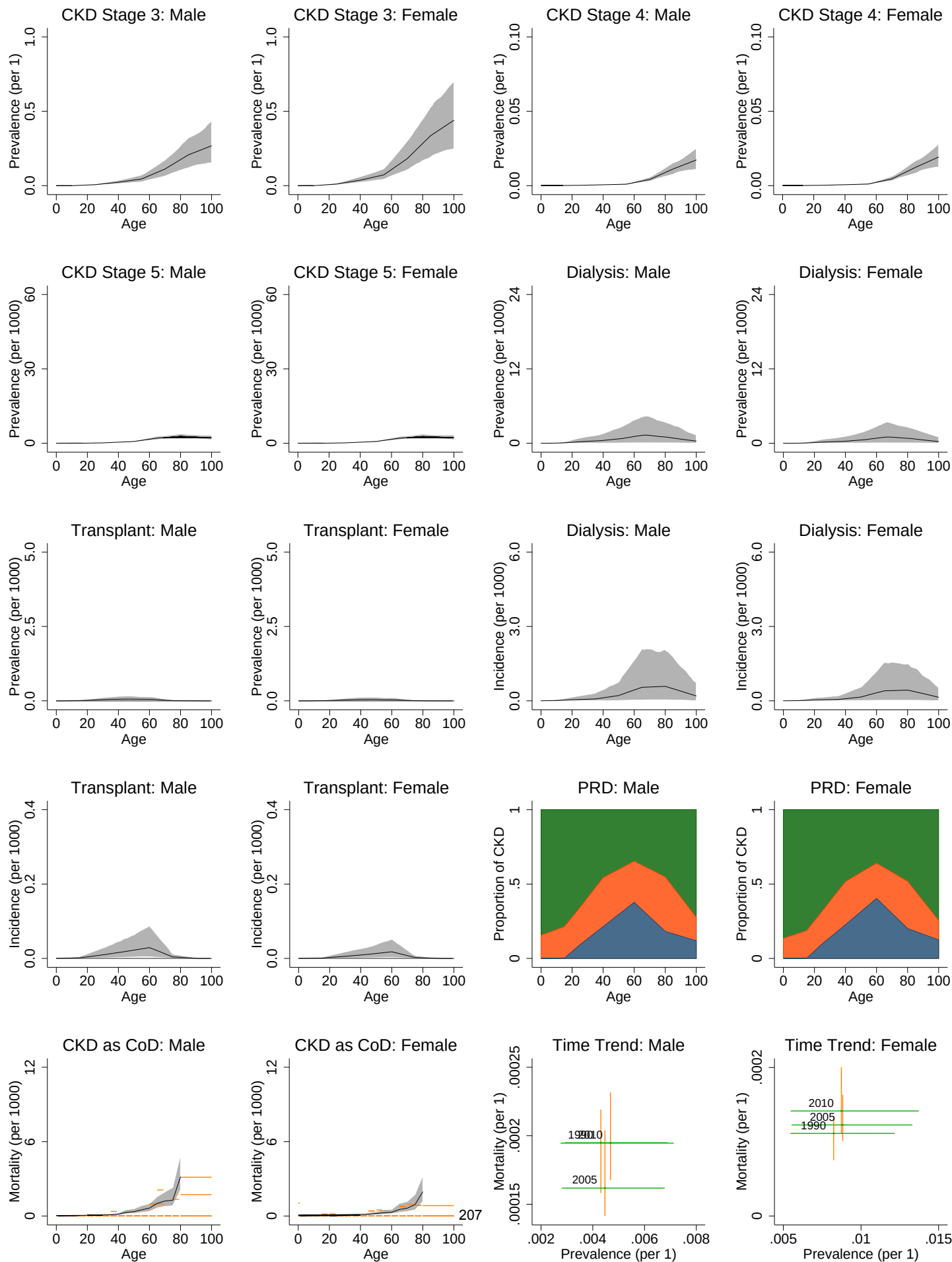
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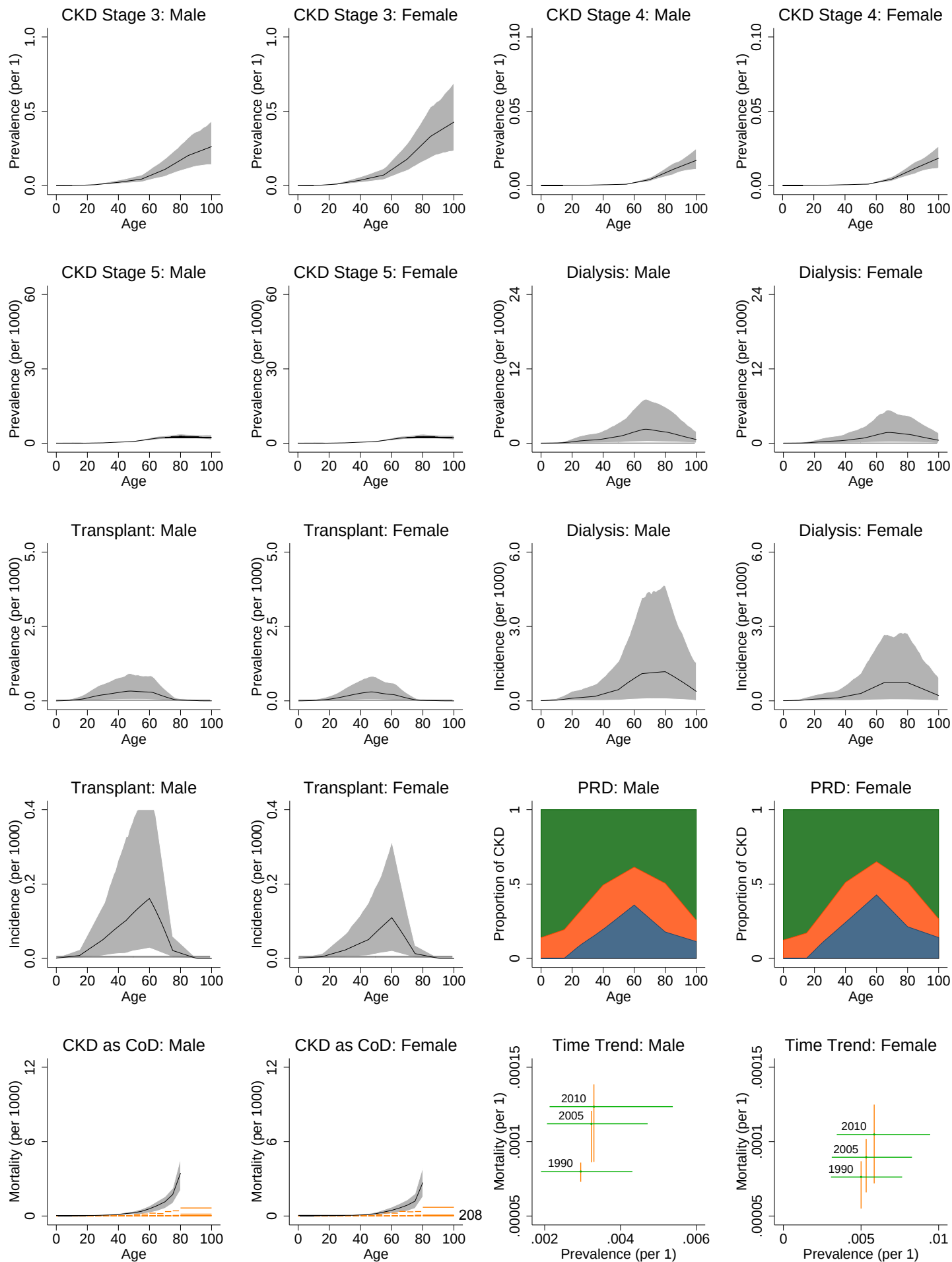
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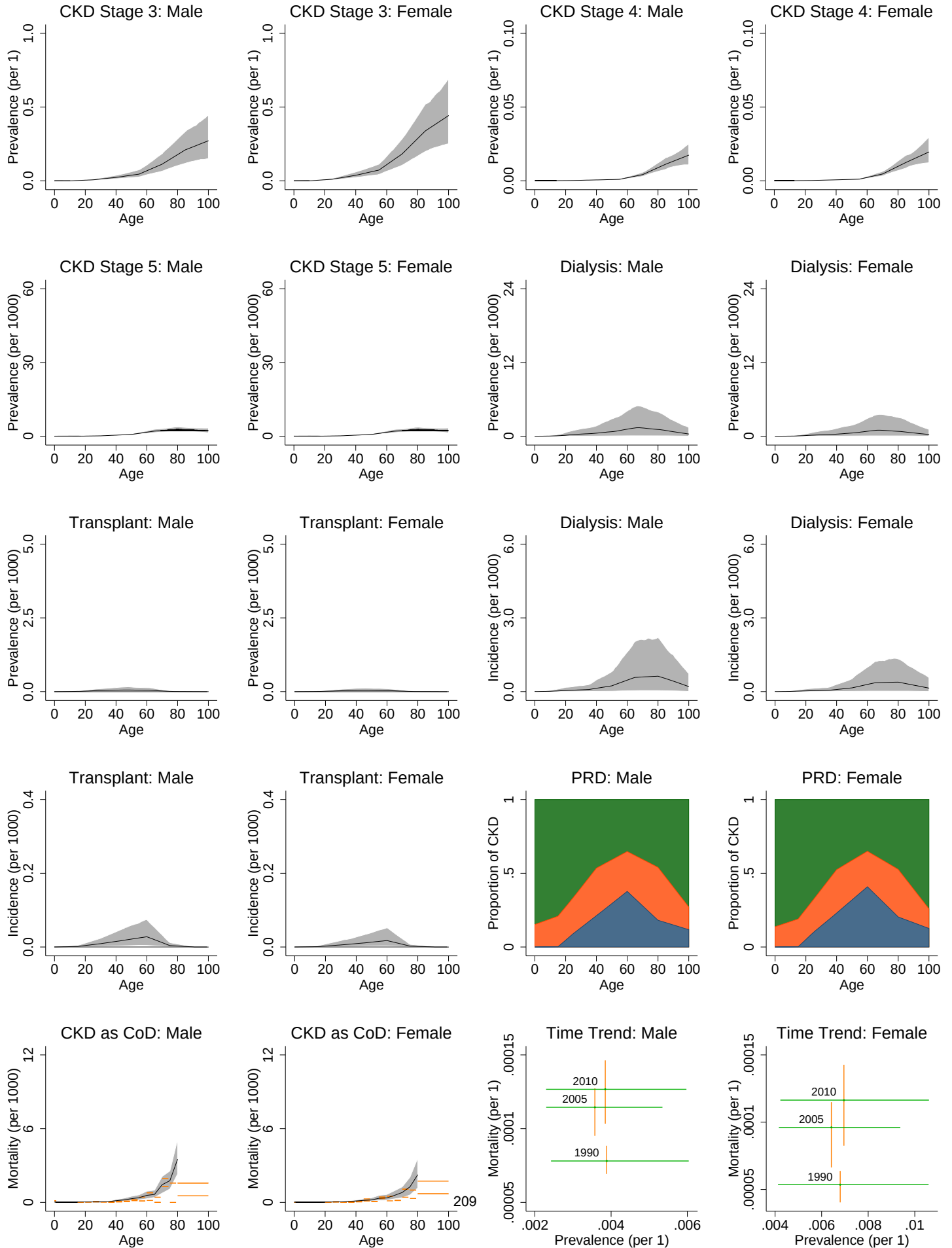
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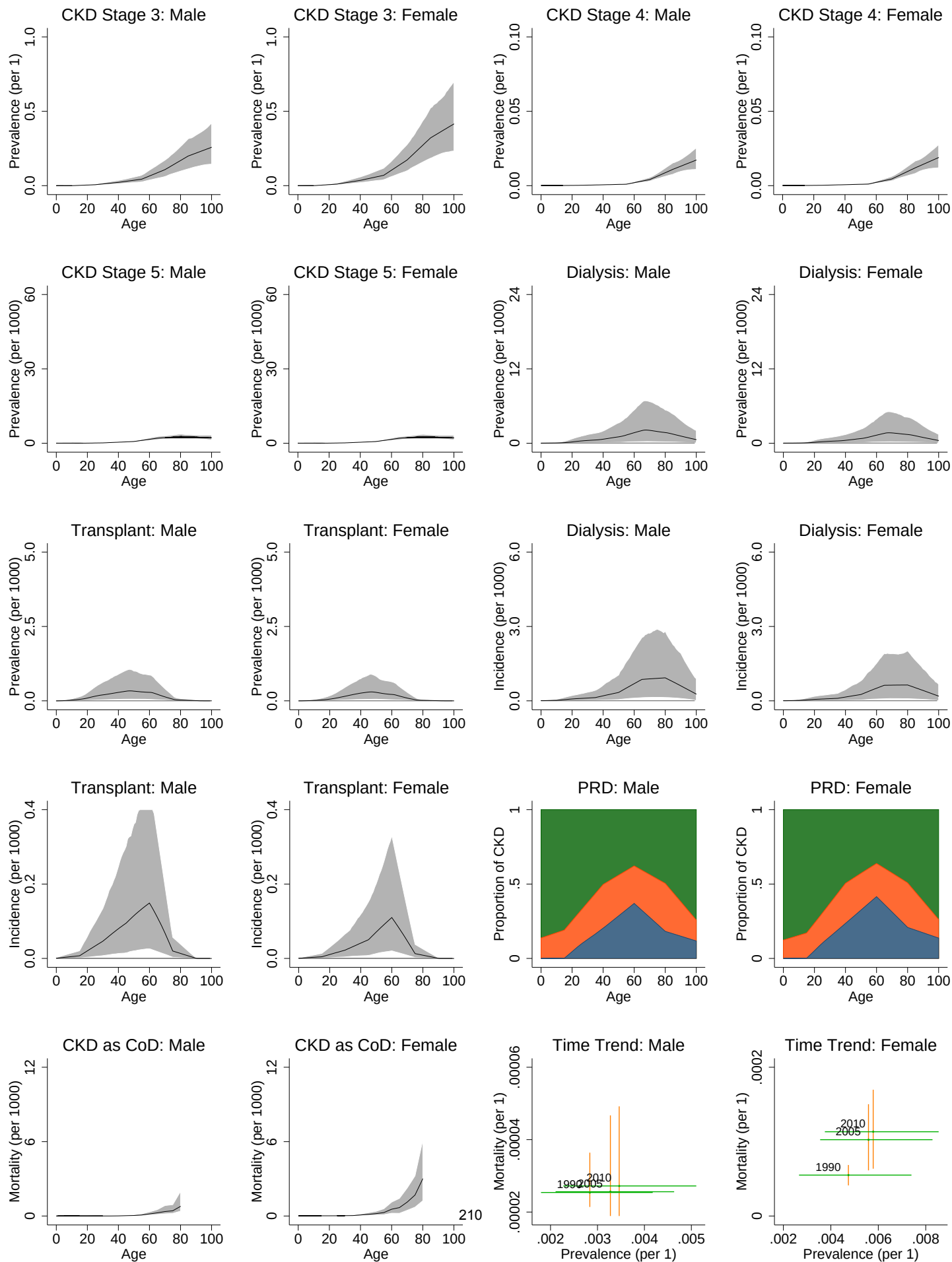
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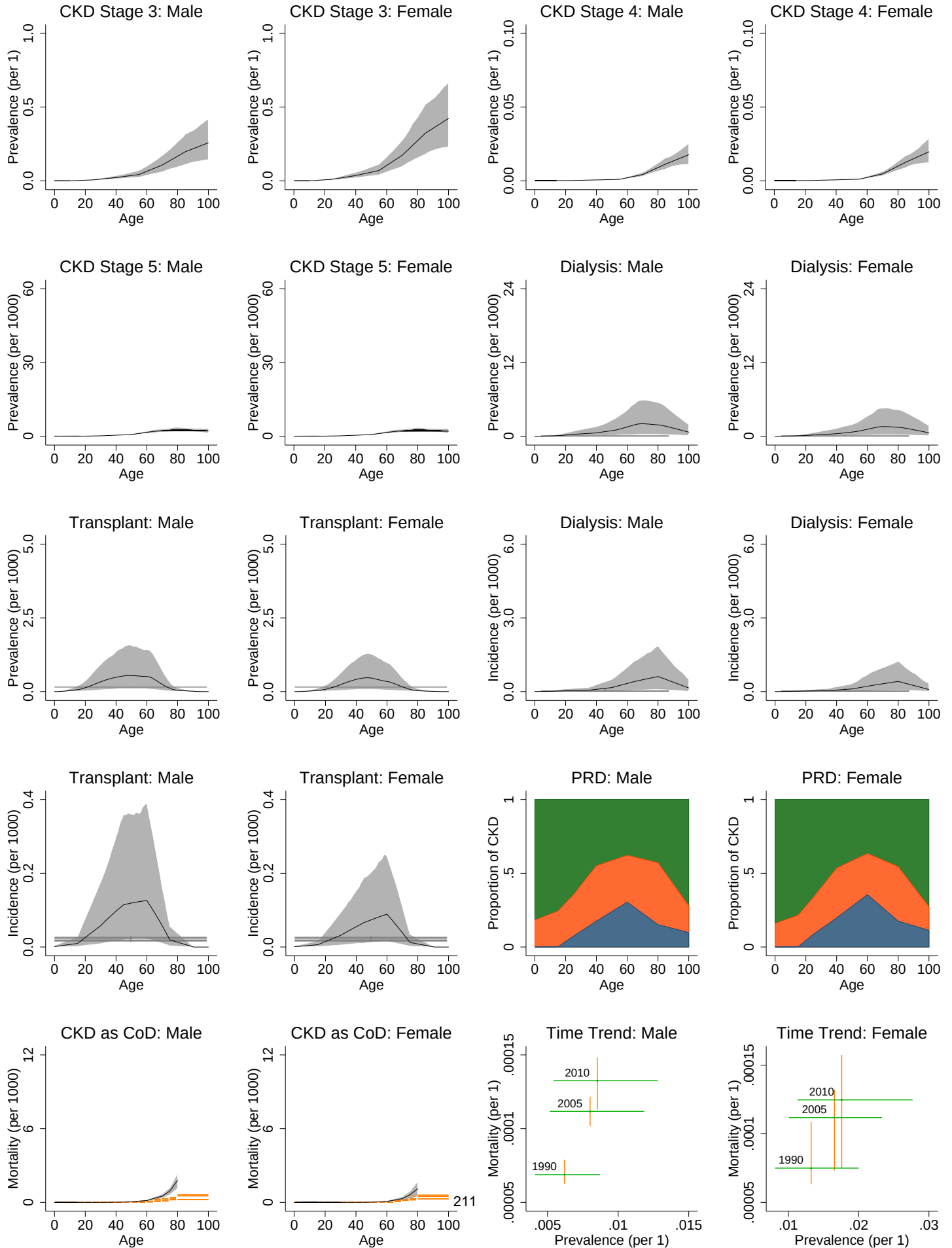
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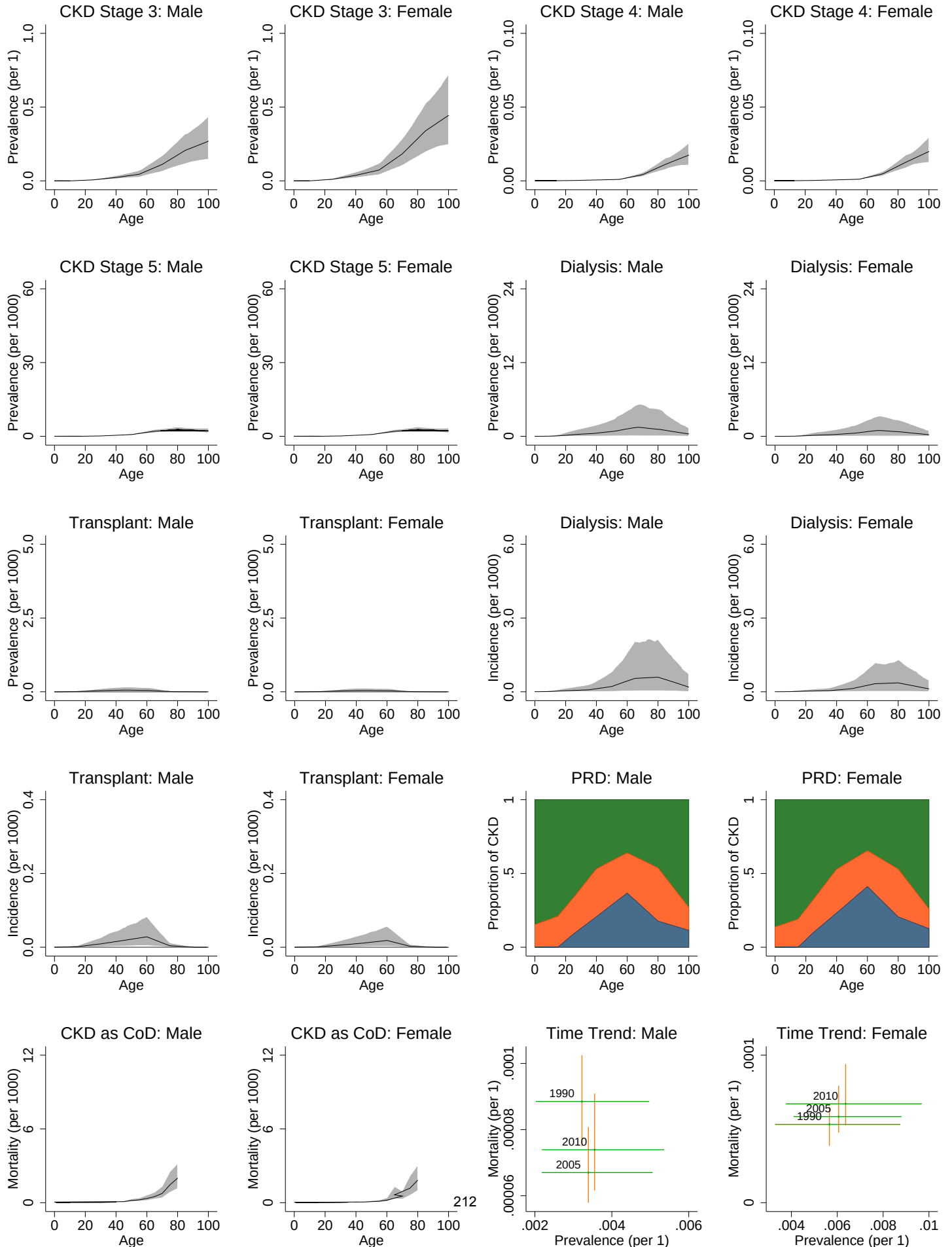
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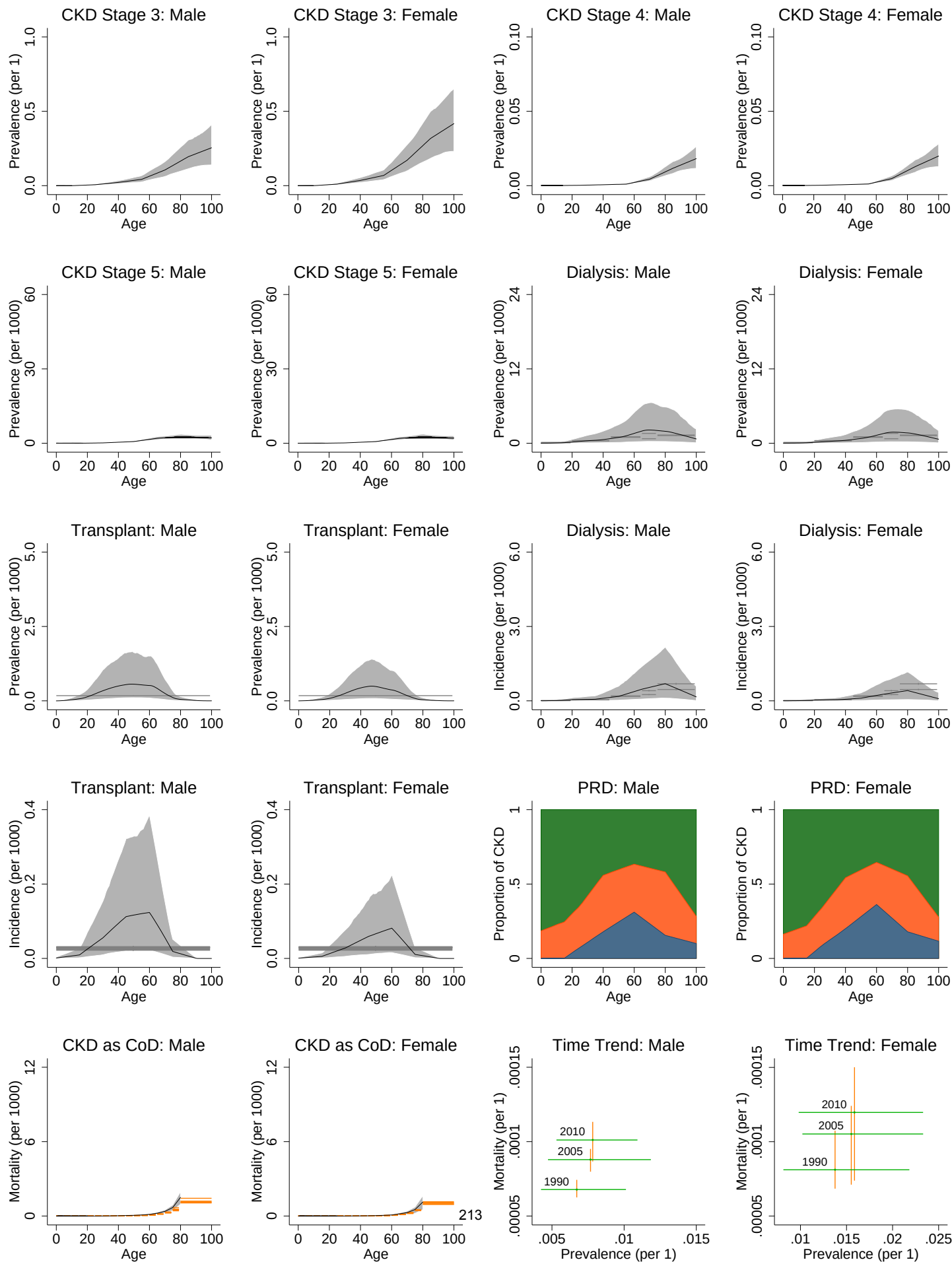
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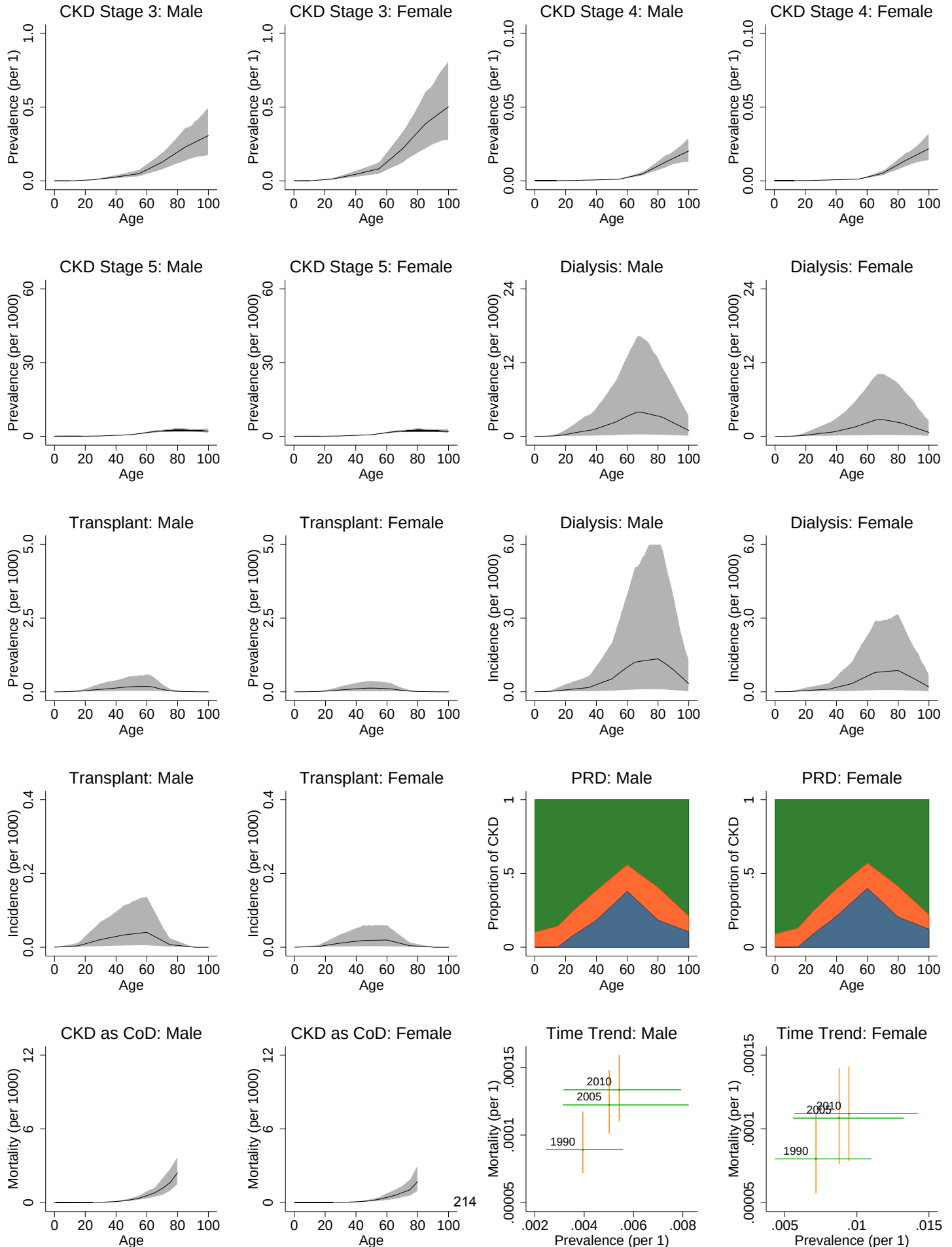
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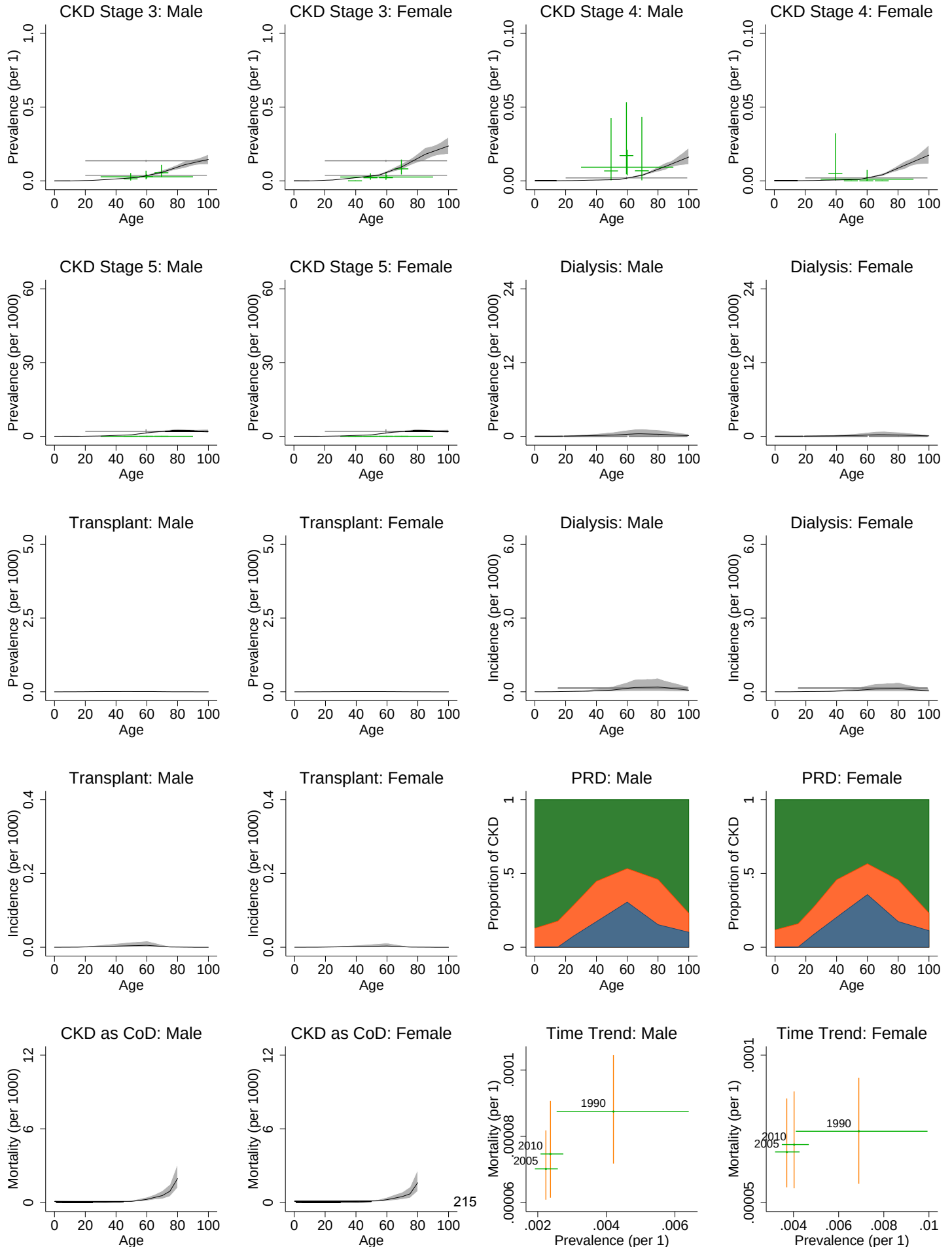
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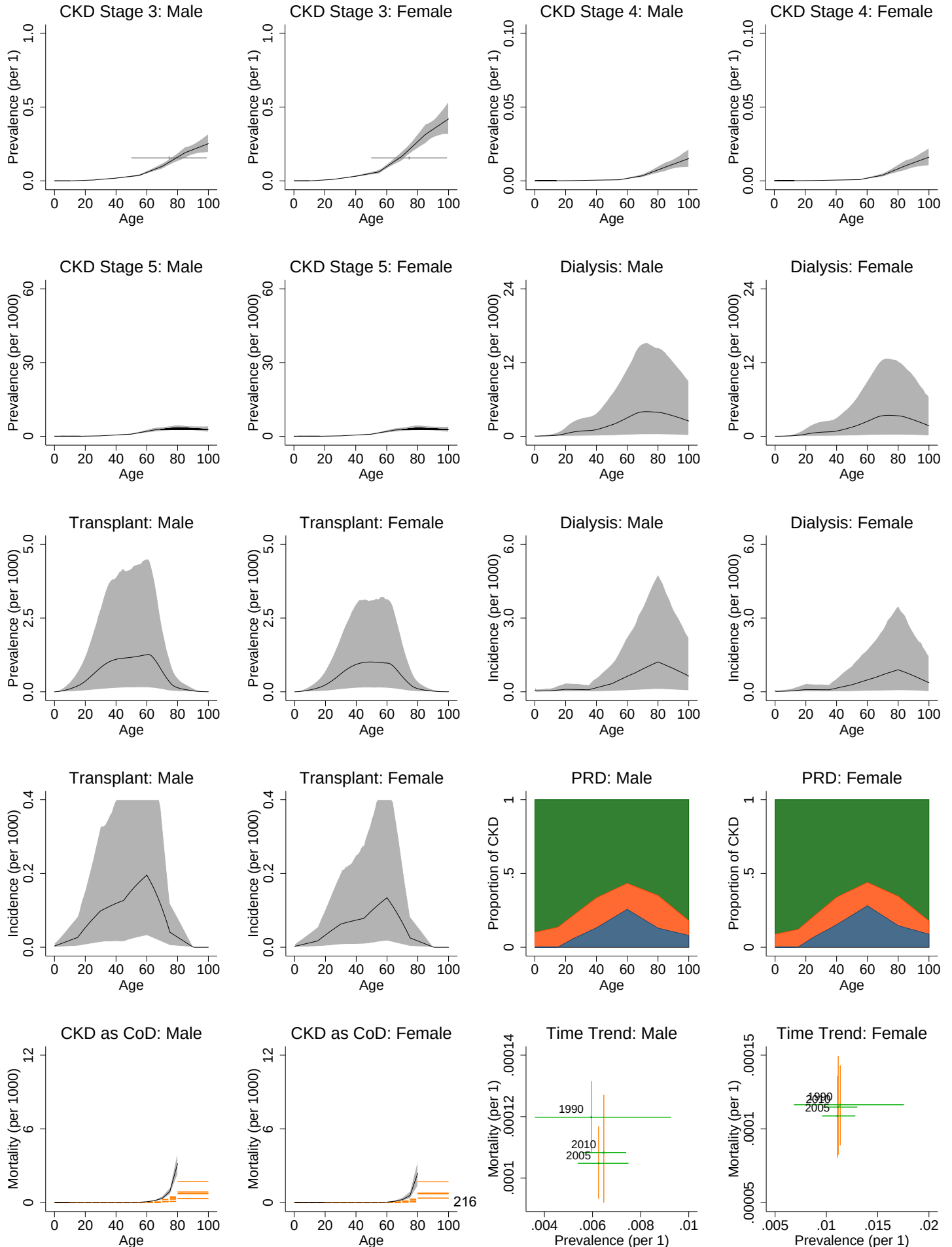
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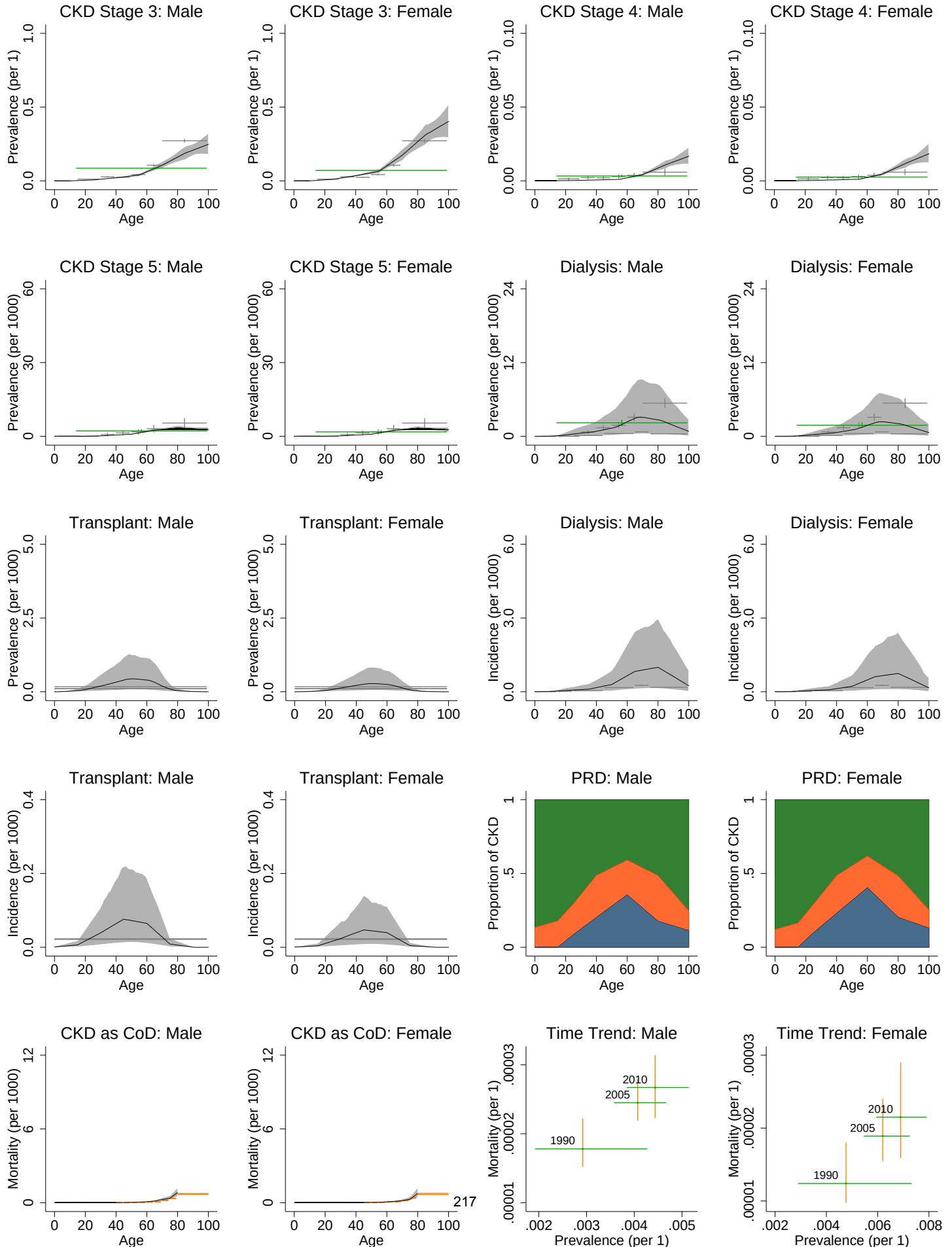
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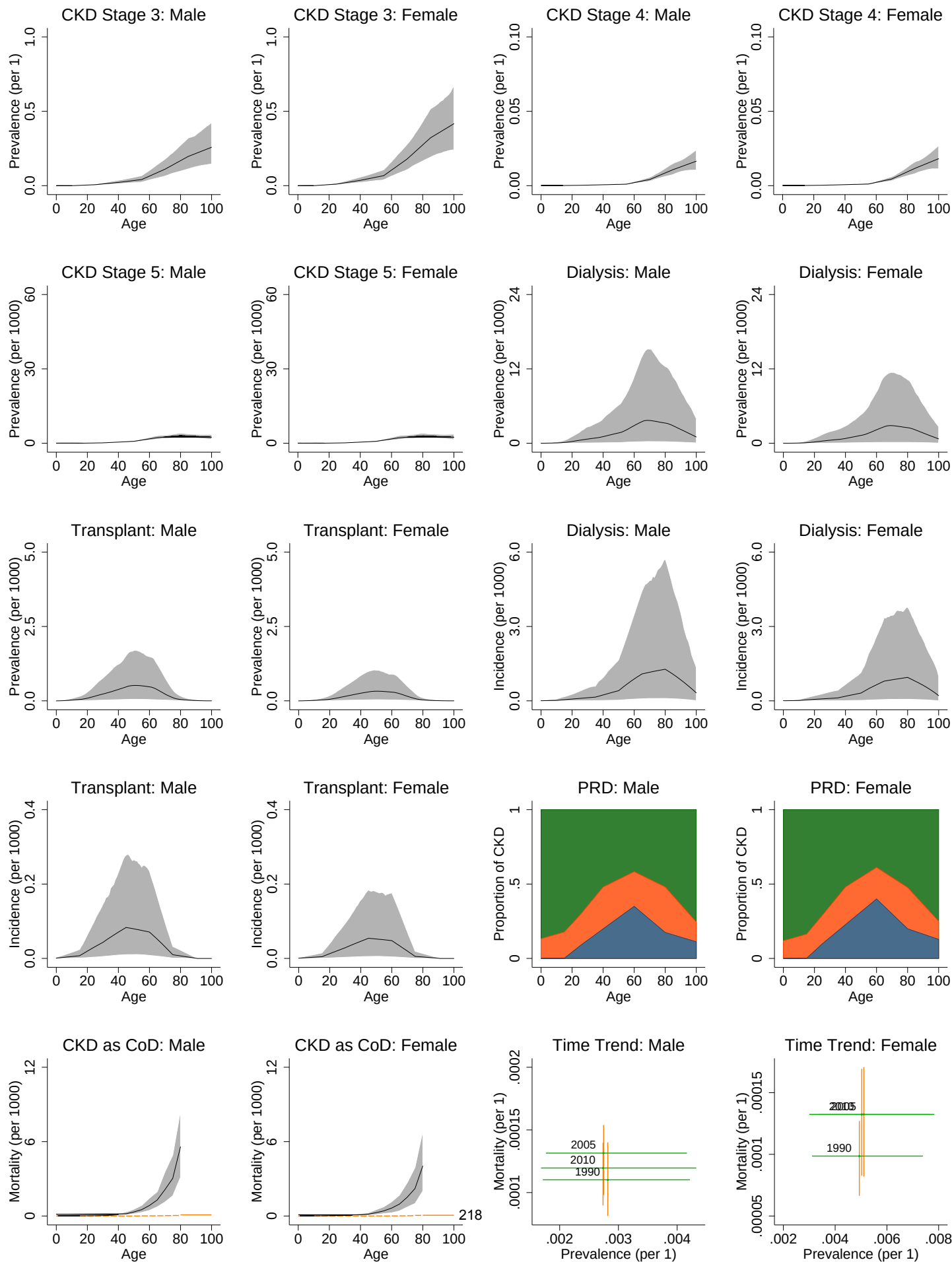
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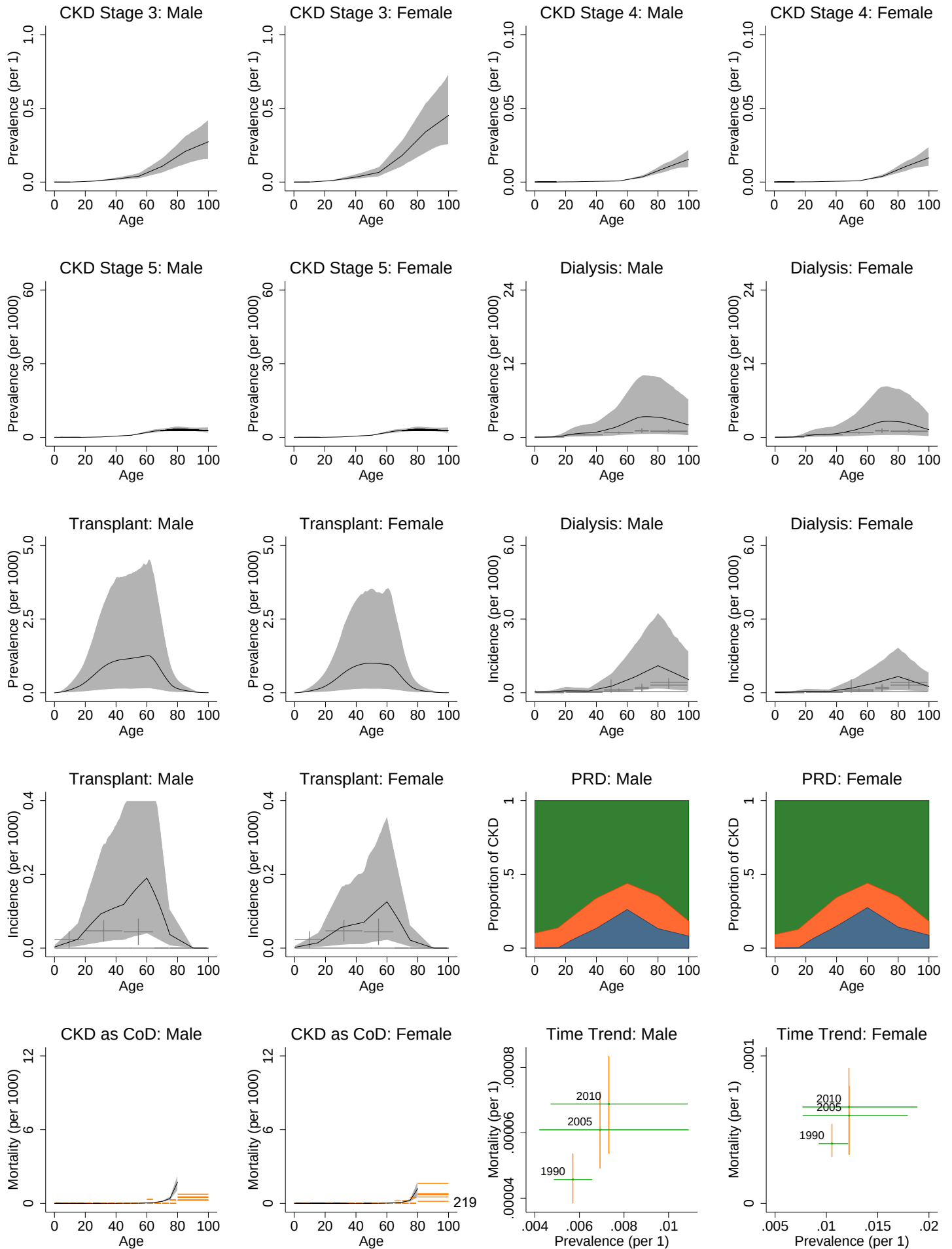
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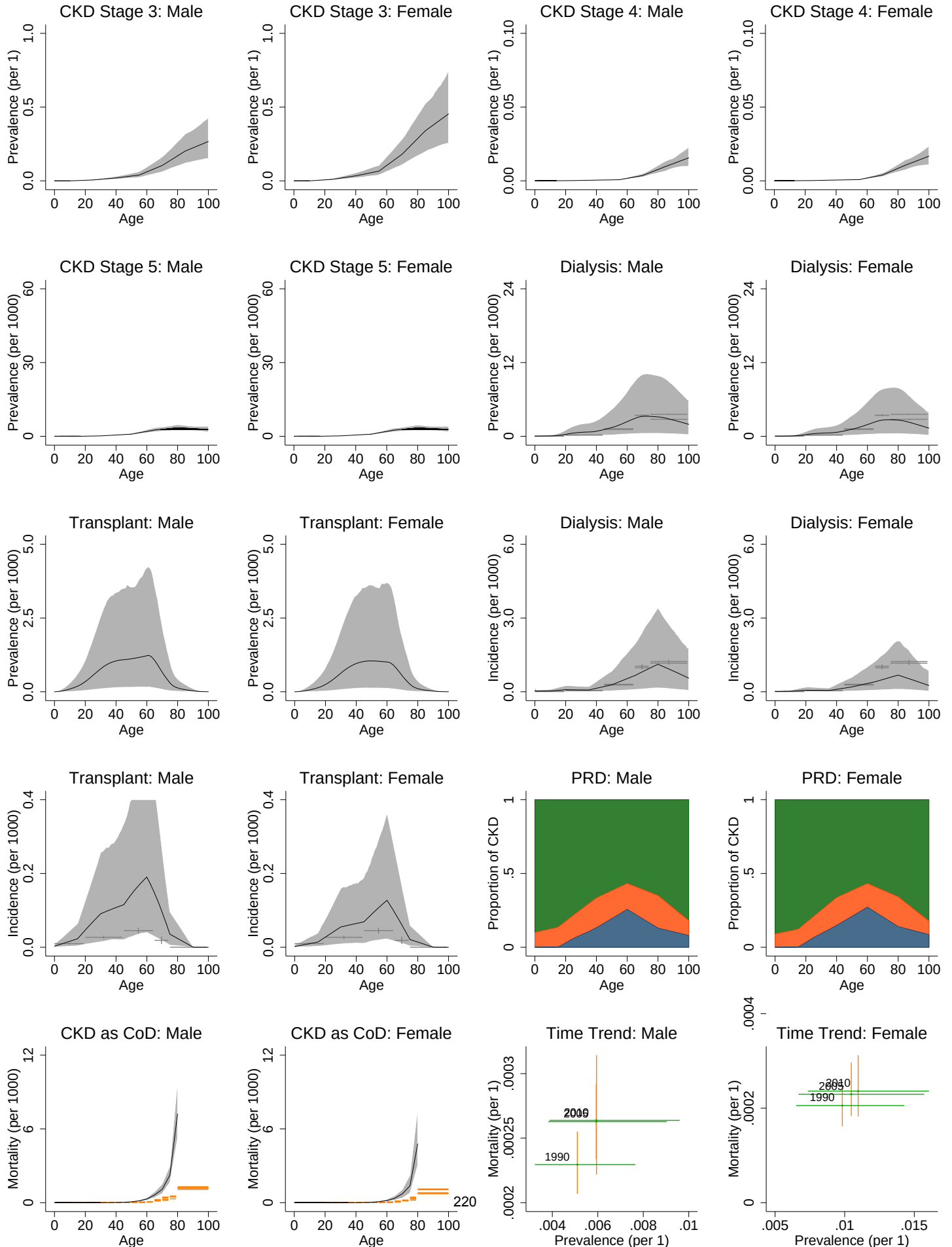
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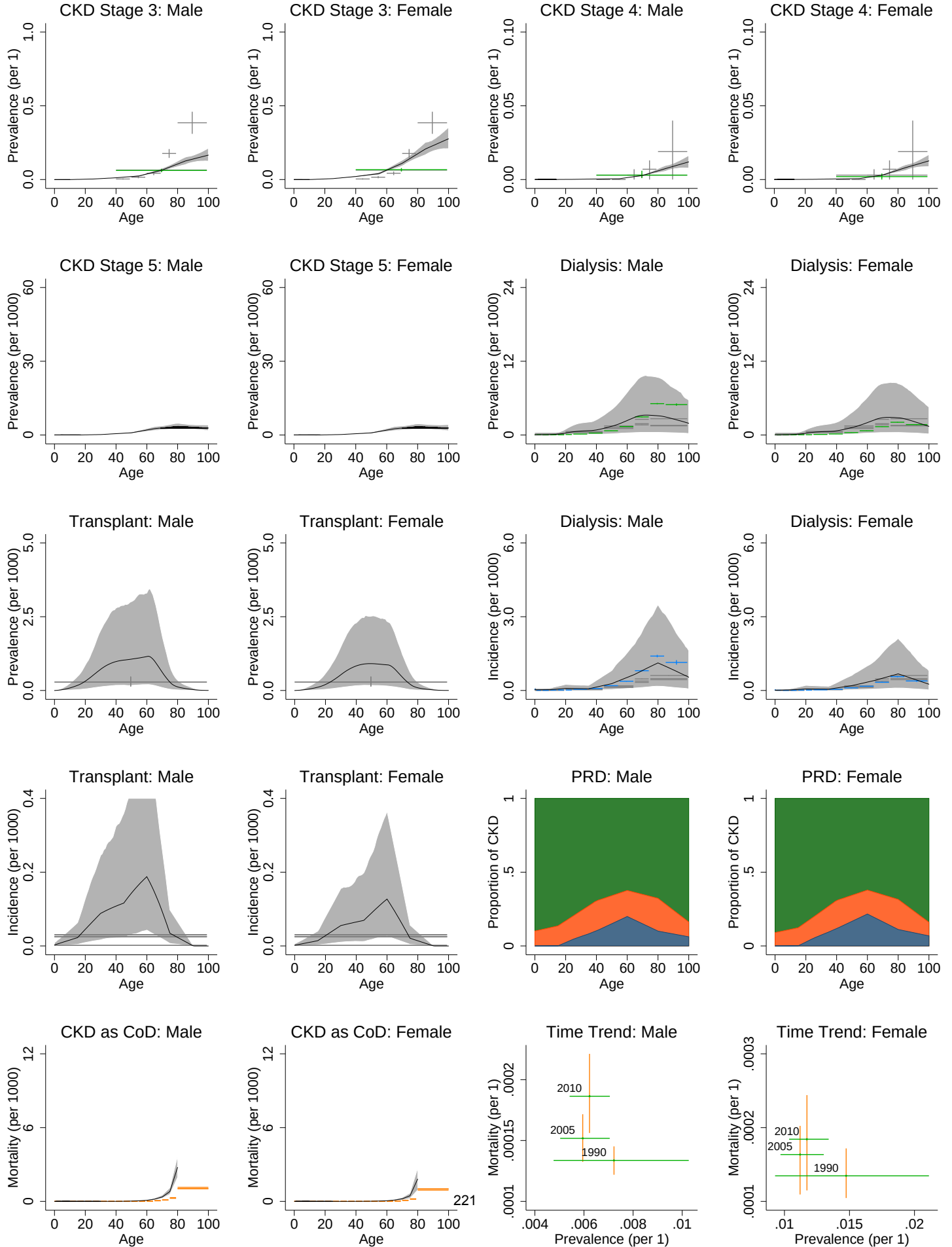
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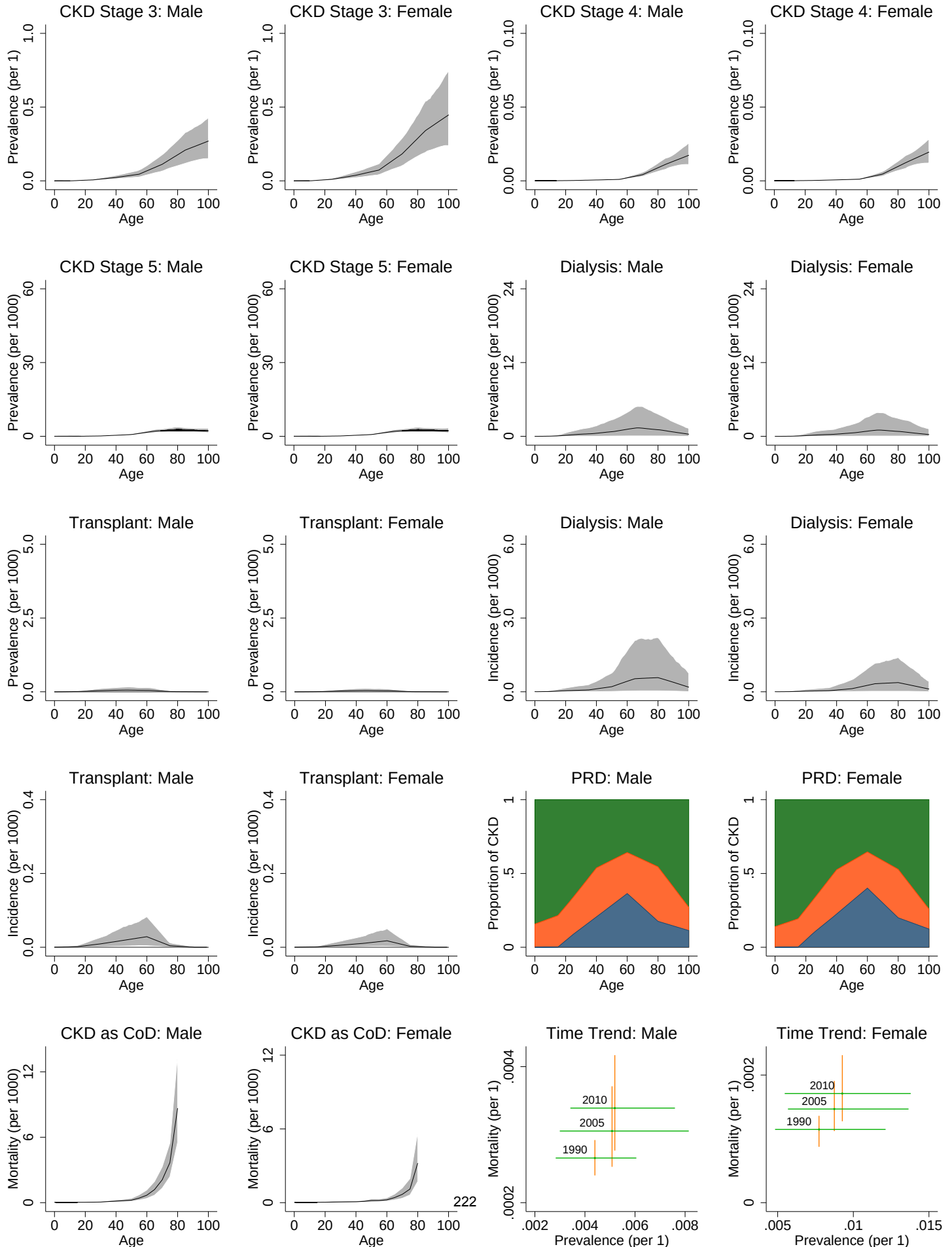
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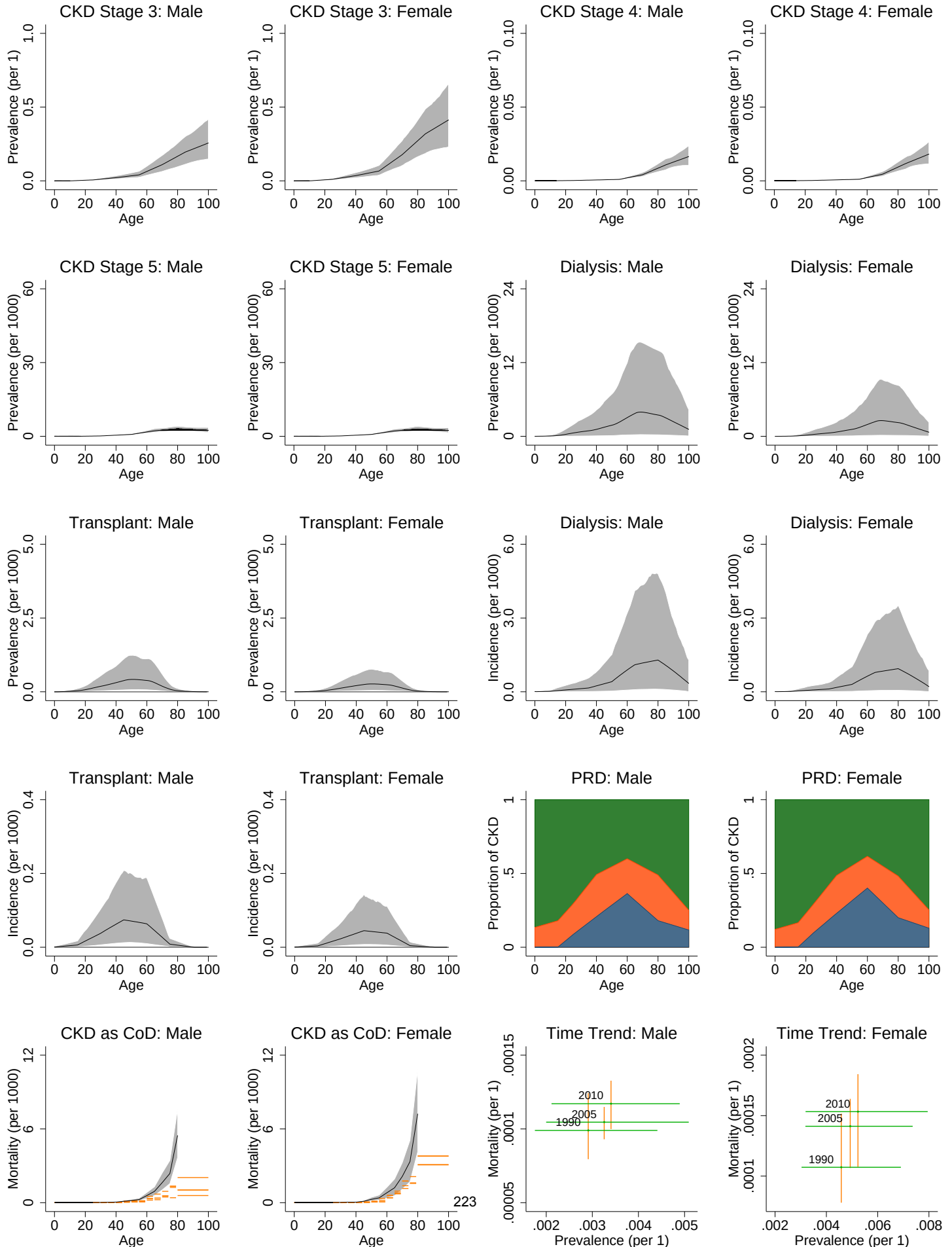
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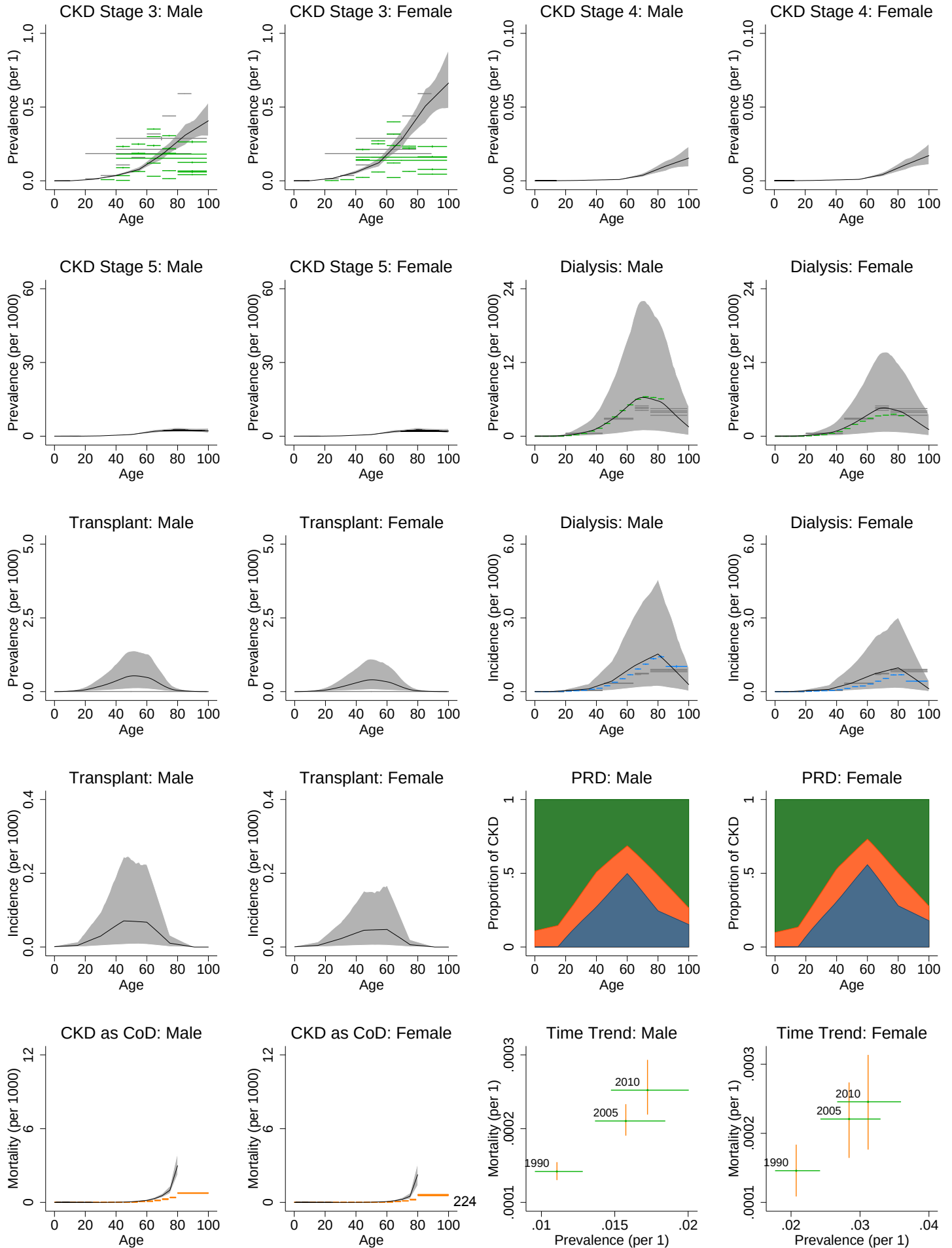
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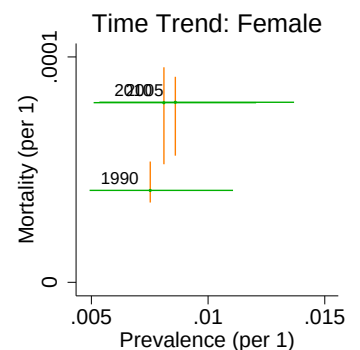
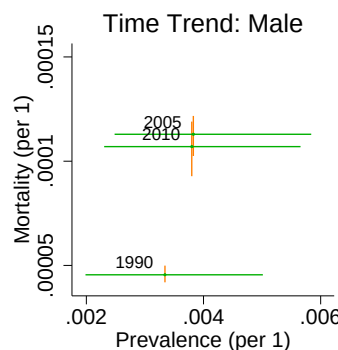
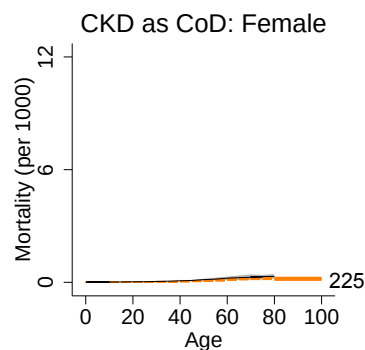
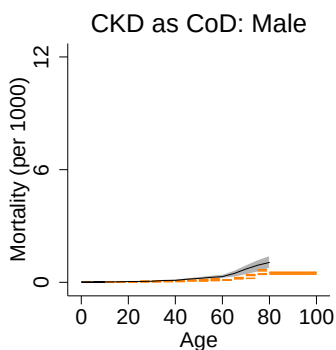
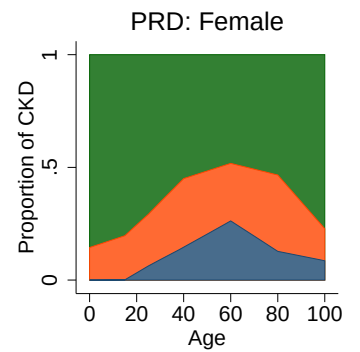
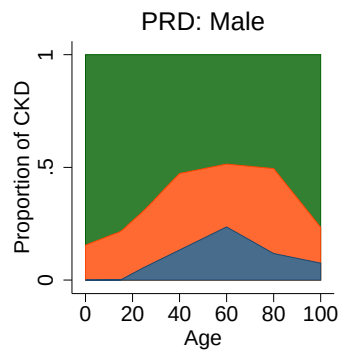
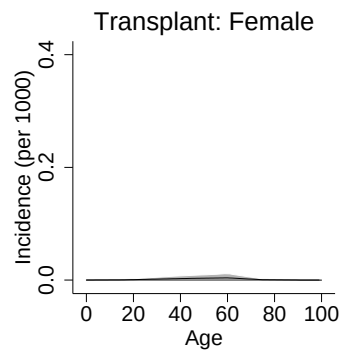
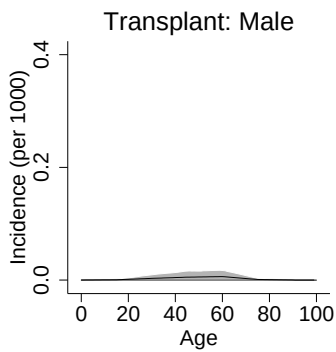
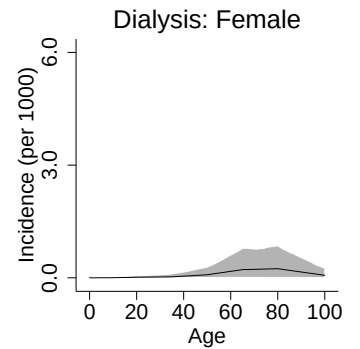
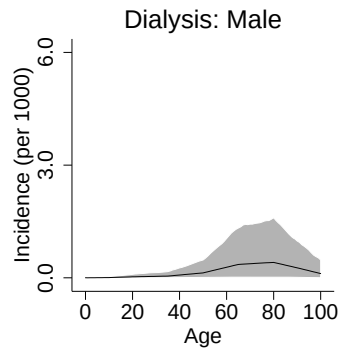
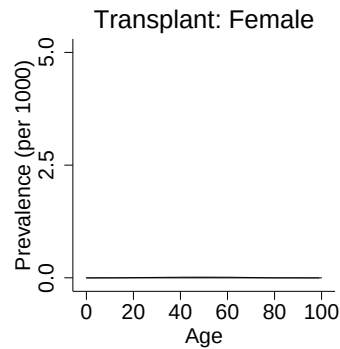
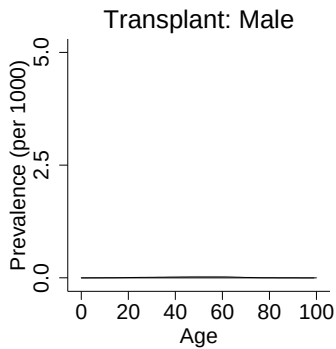
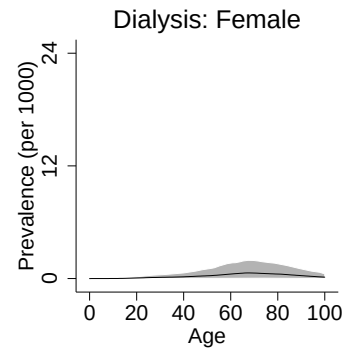
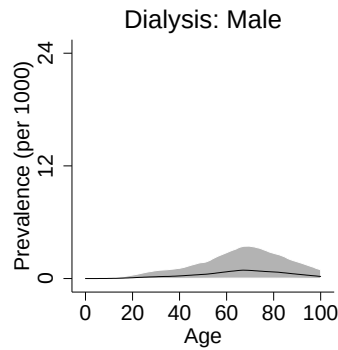
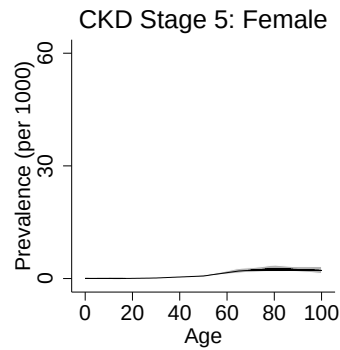
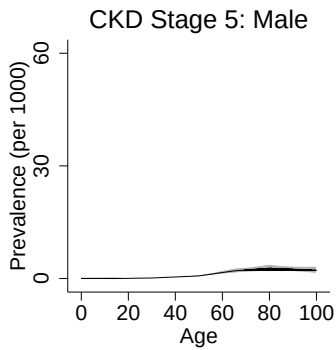
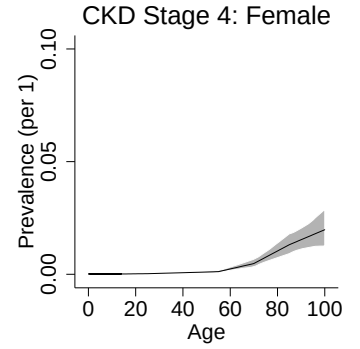
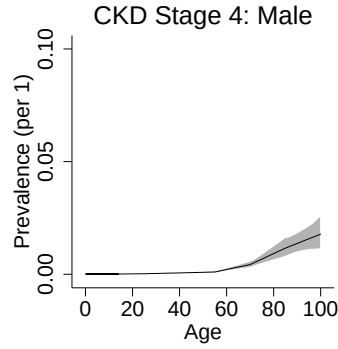
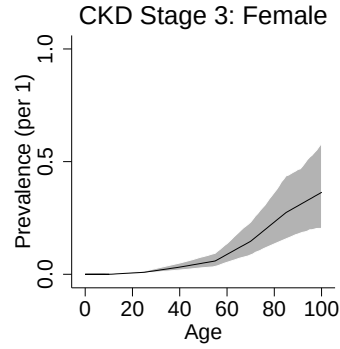
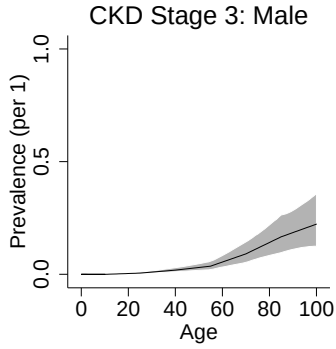
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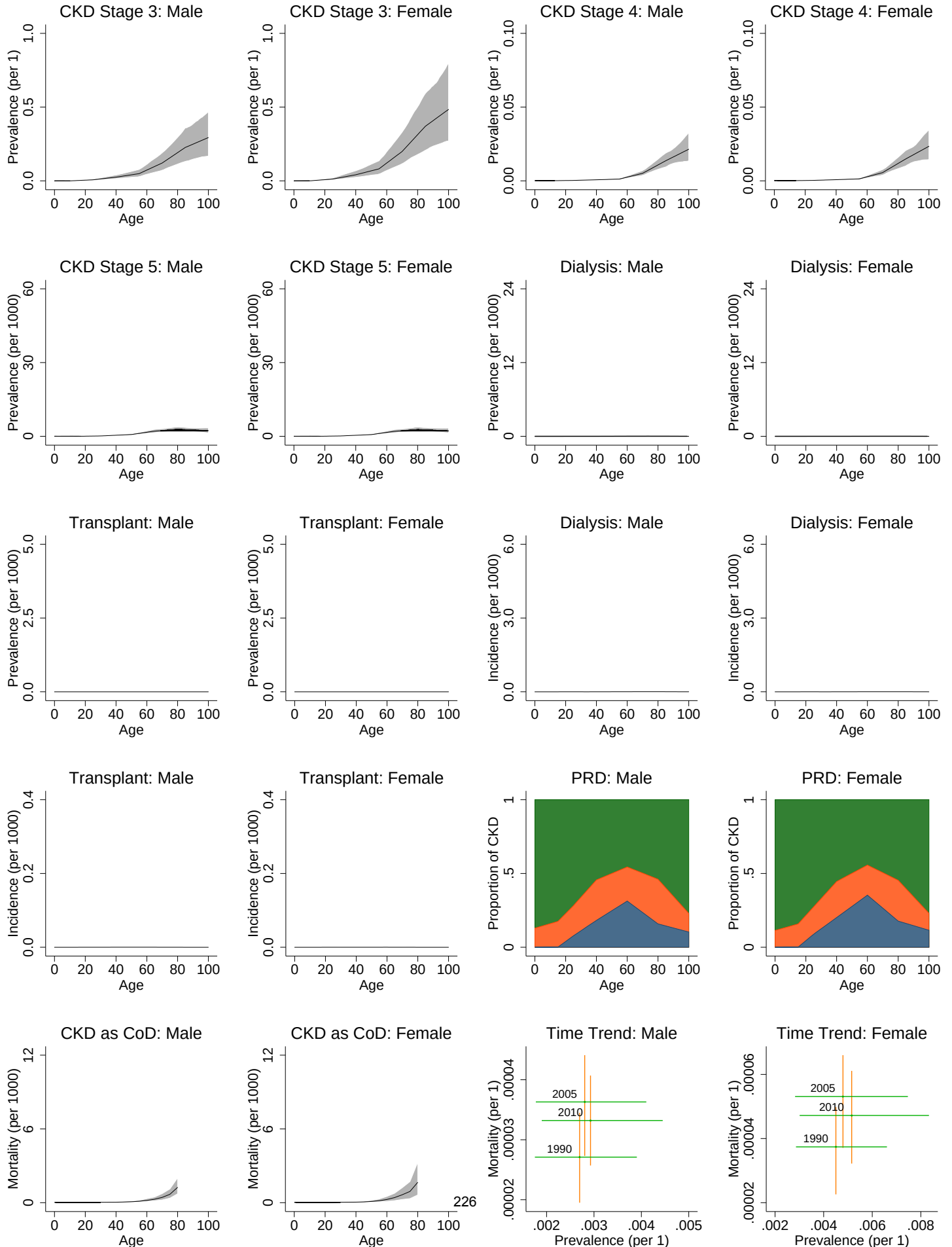
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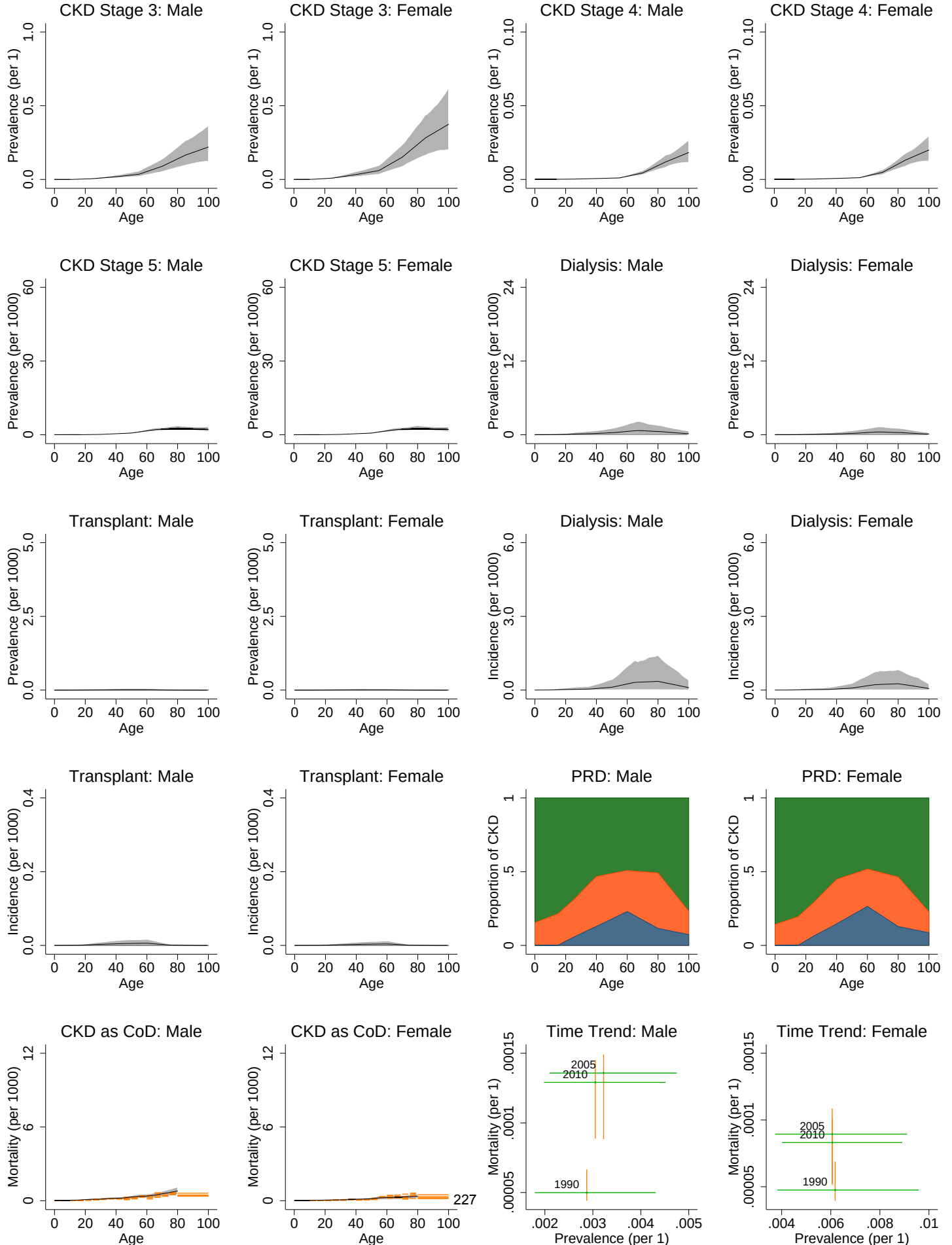
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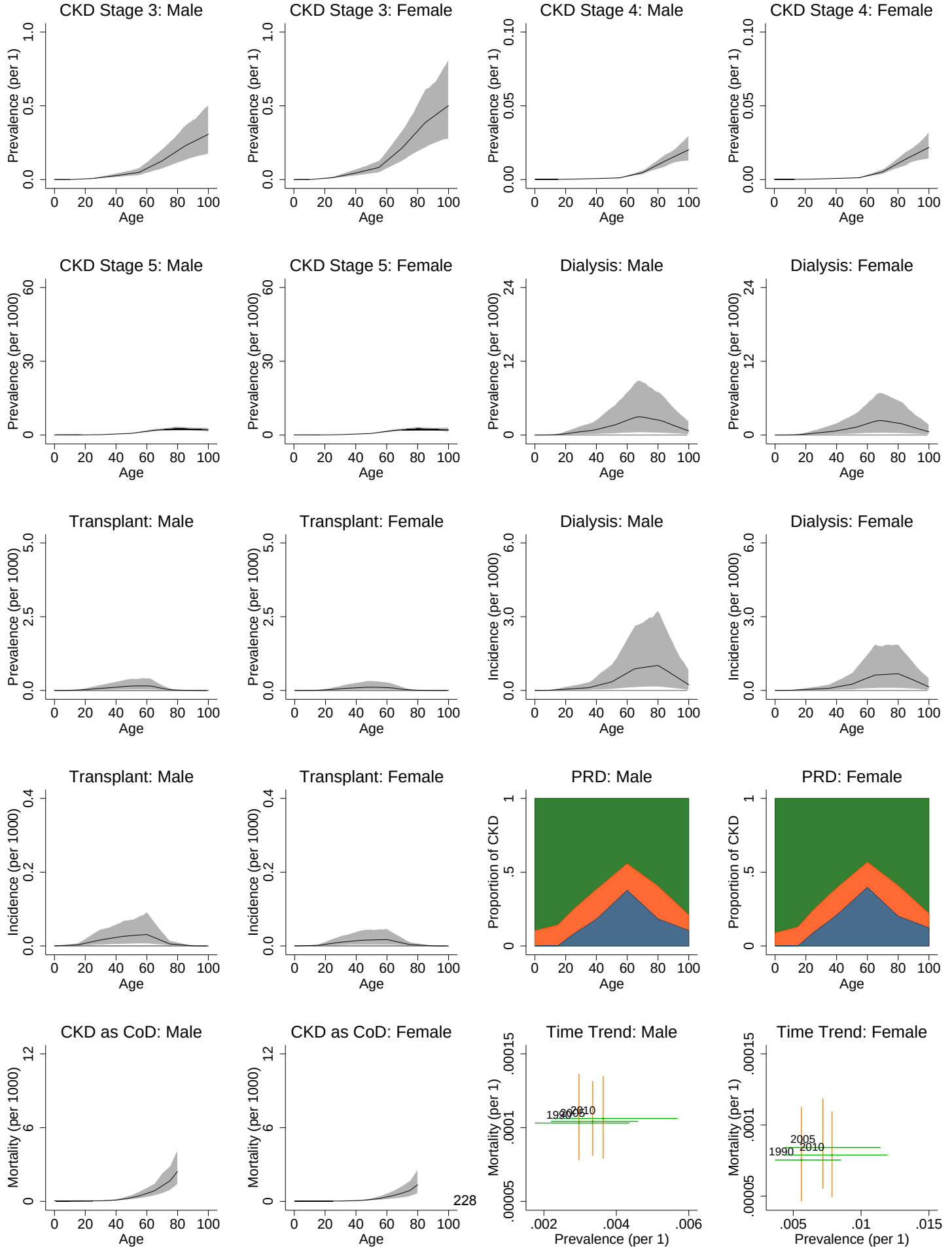
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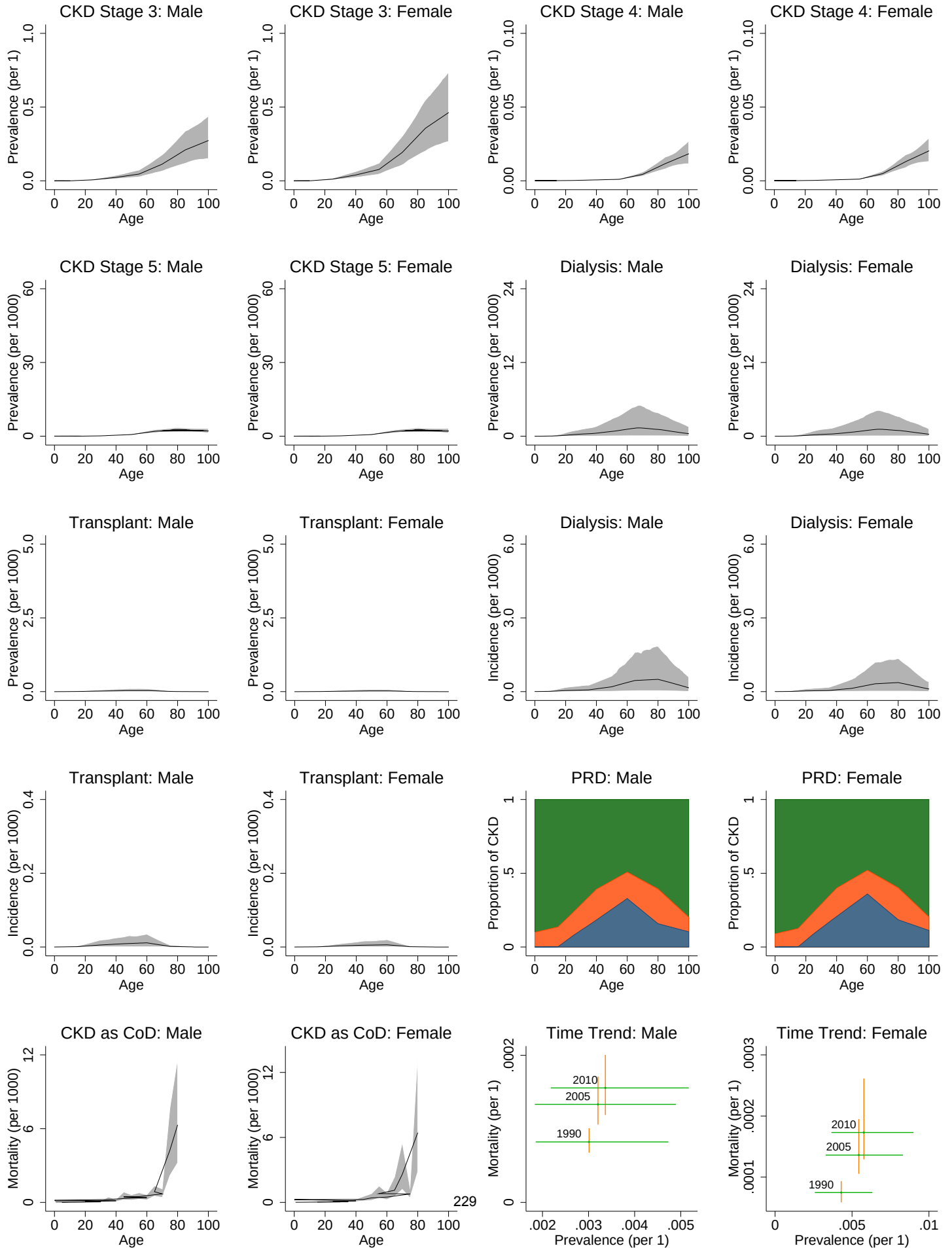
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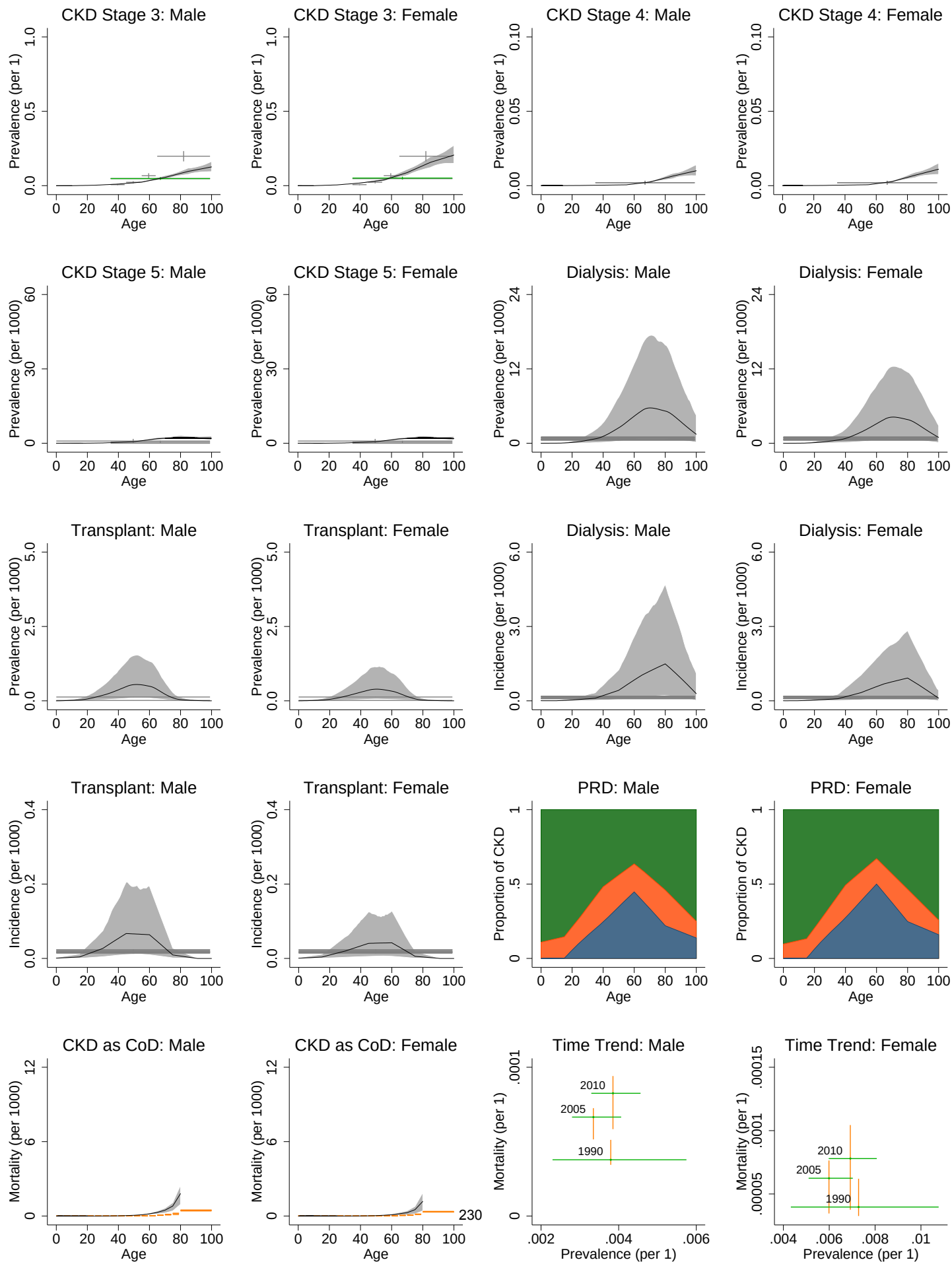
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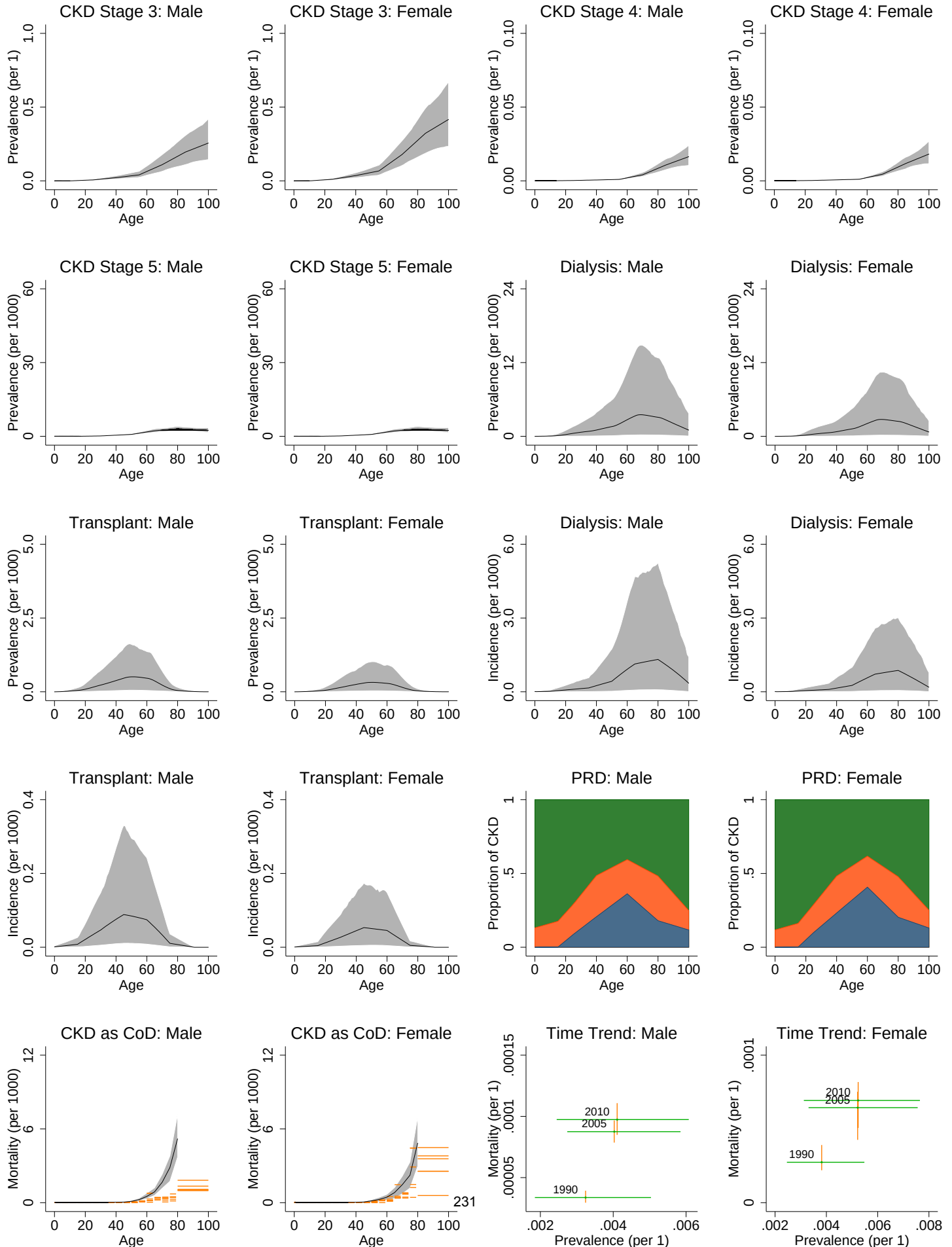
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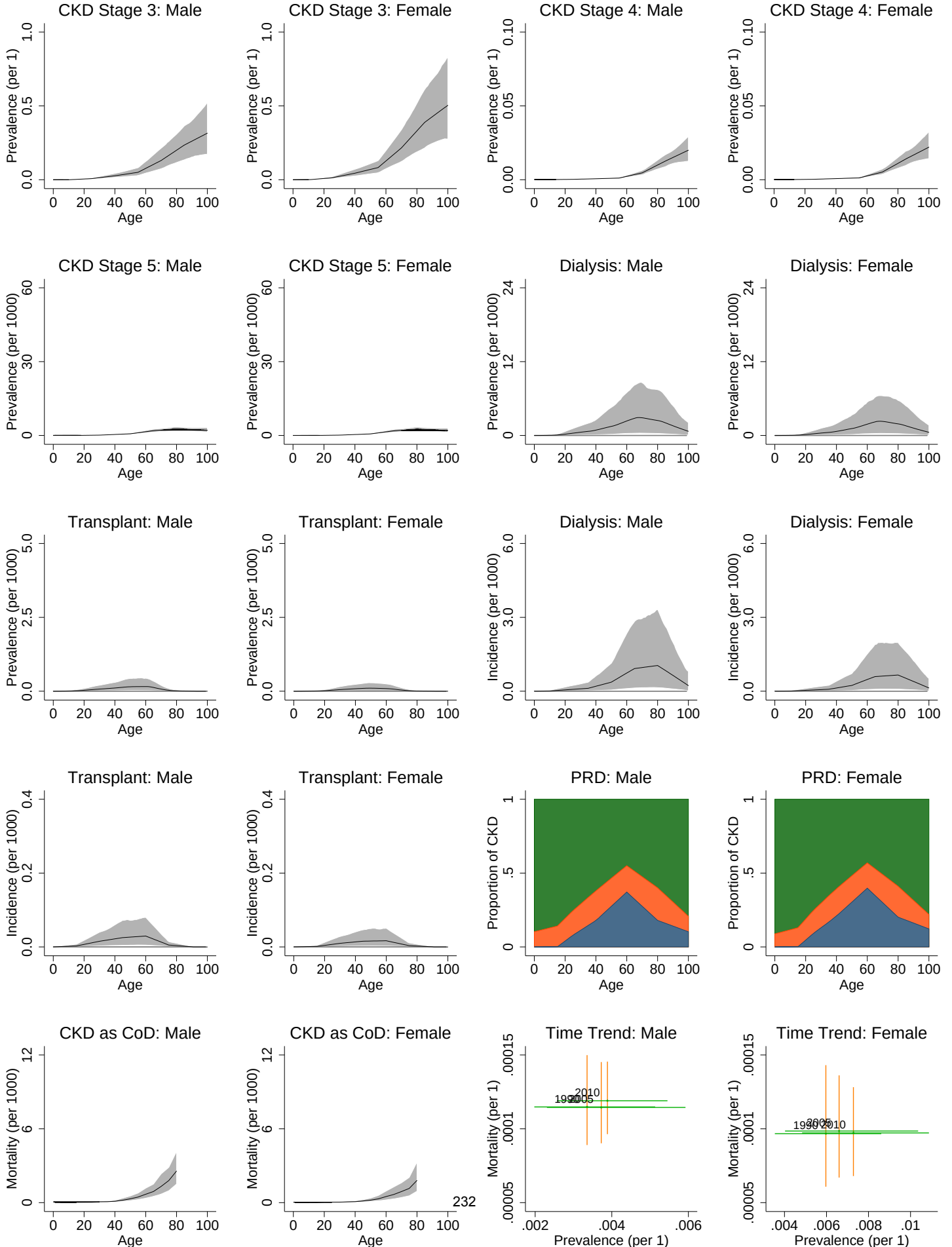
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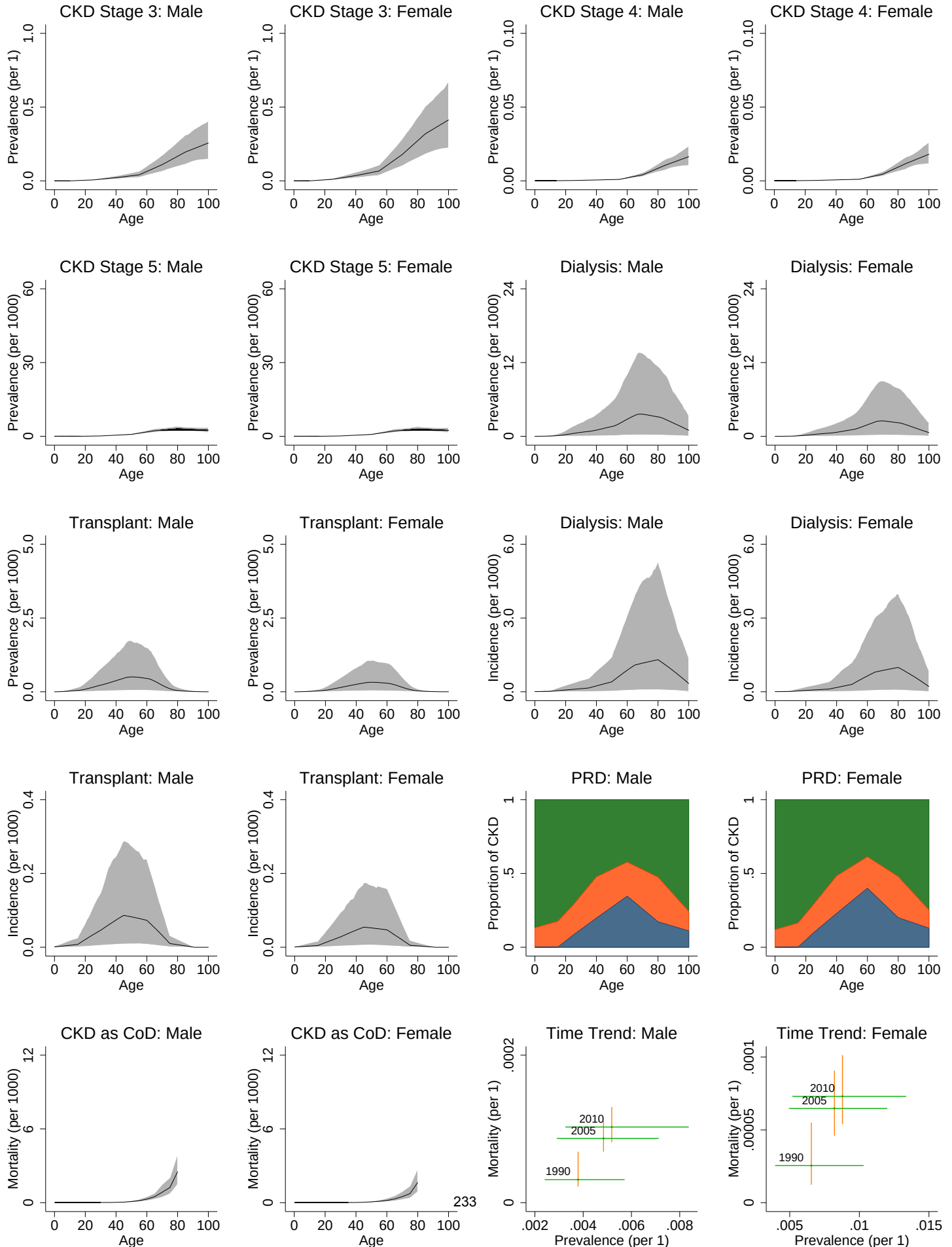
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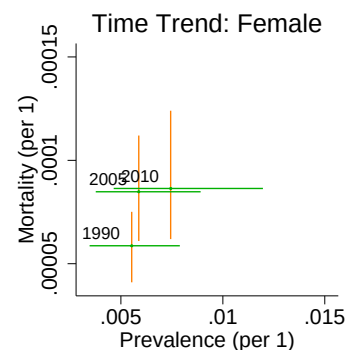
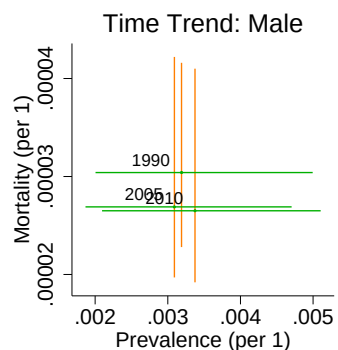
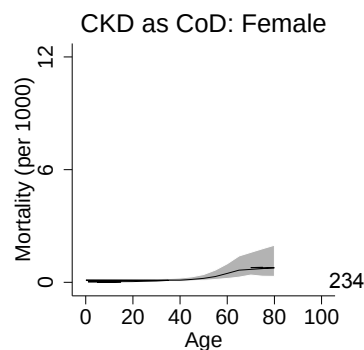
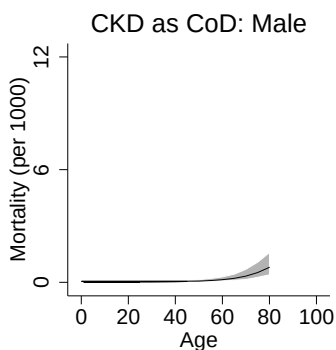
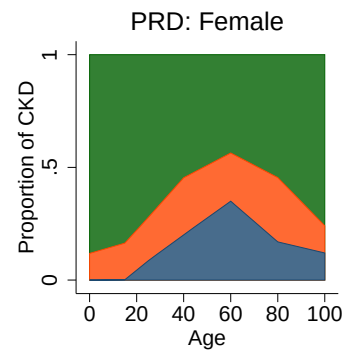
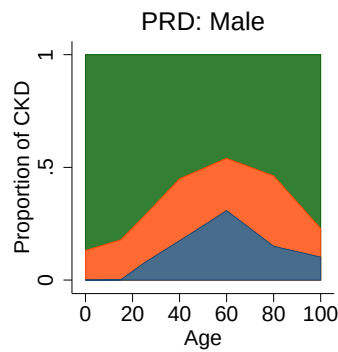
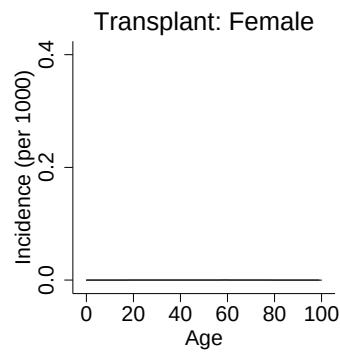
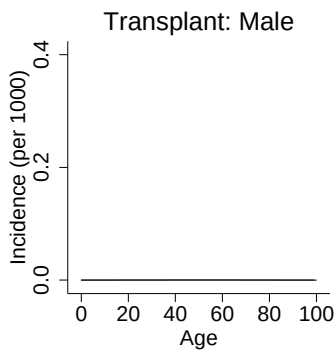
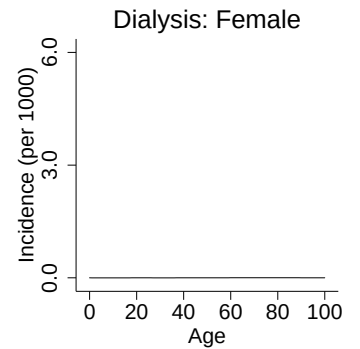
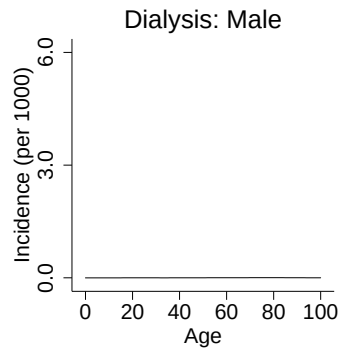
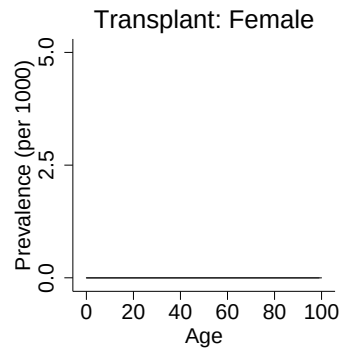
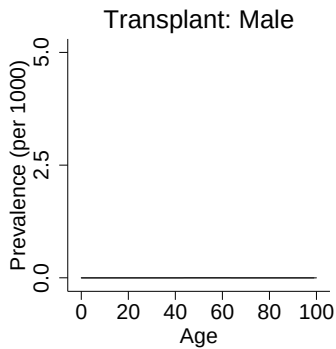
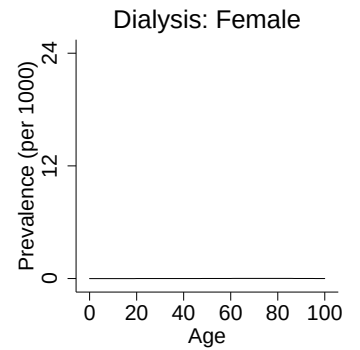
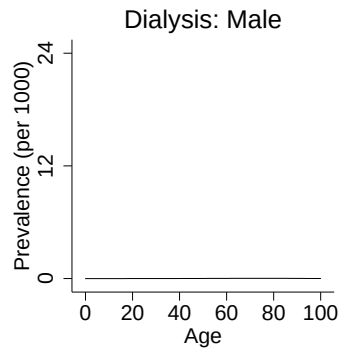
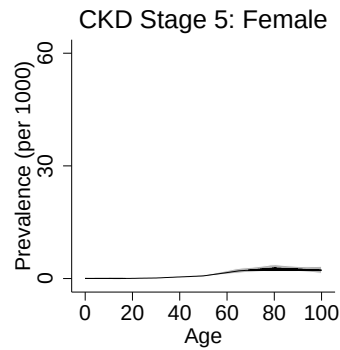
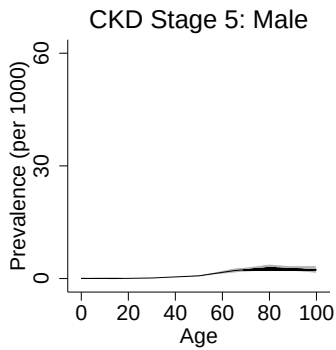
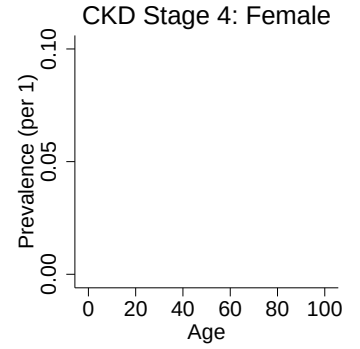
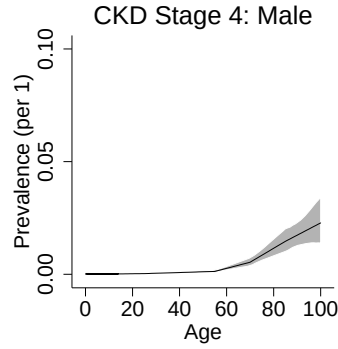
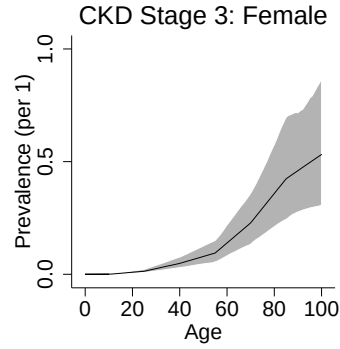
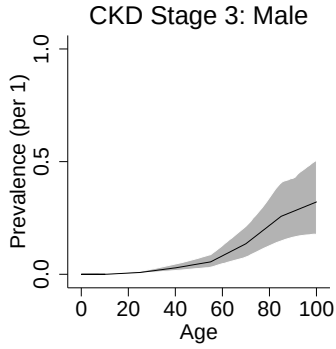
LAO 2010 Estimates



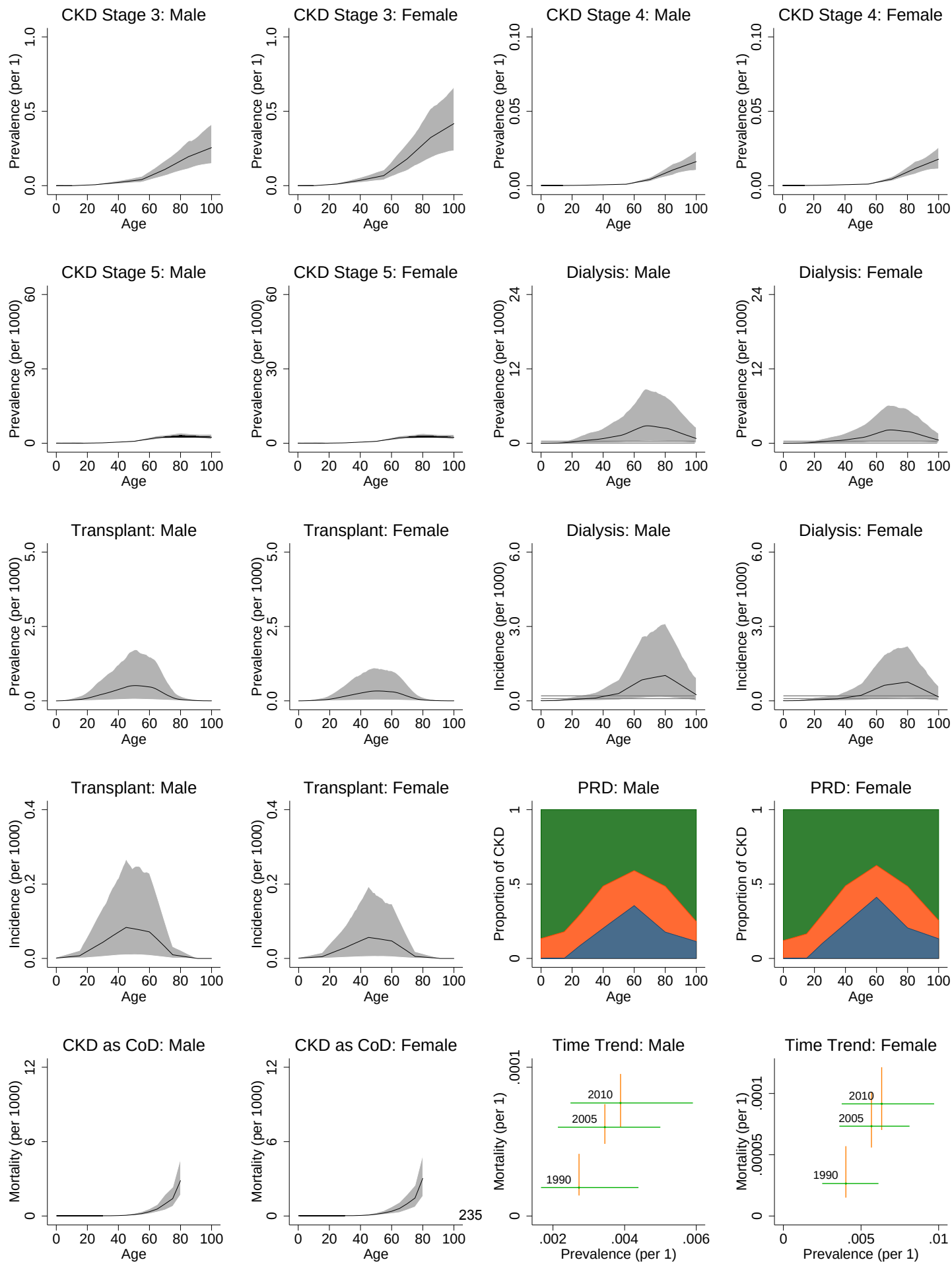
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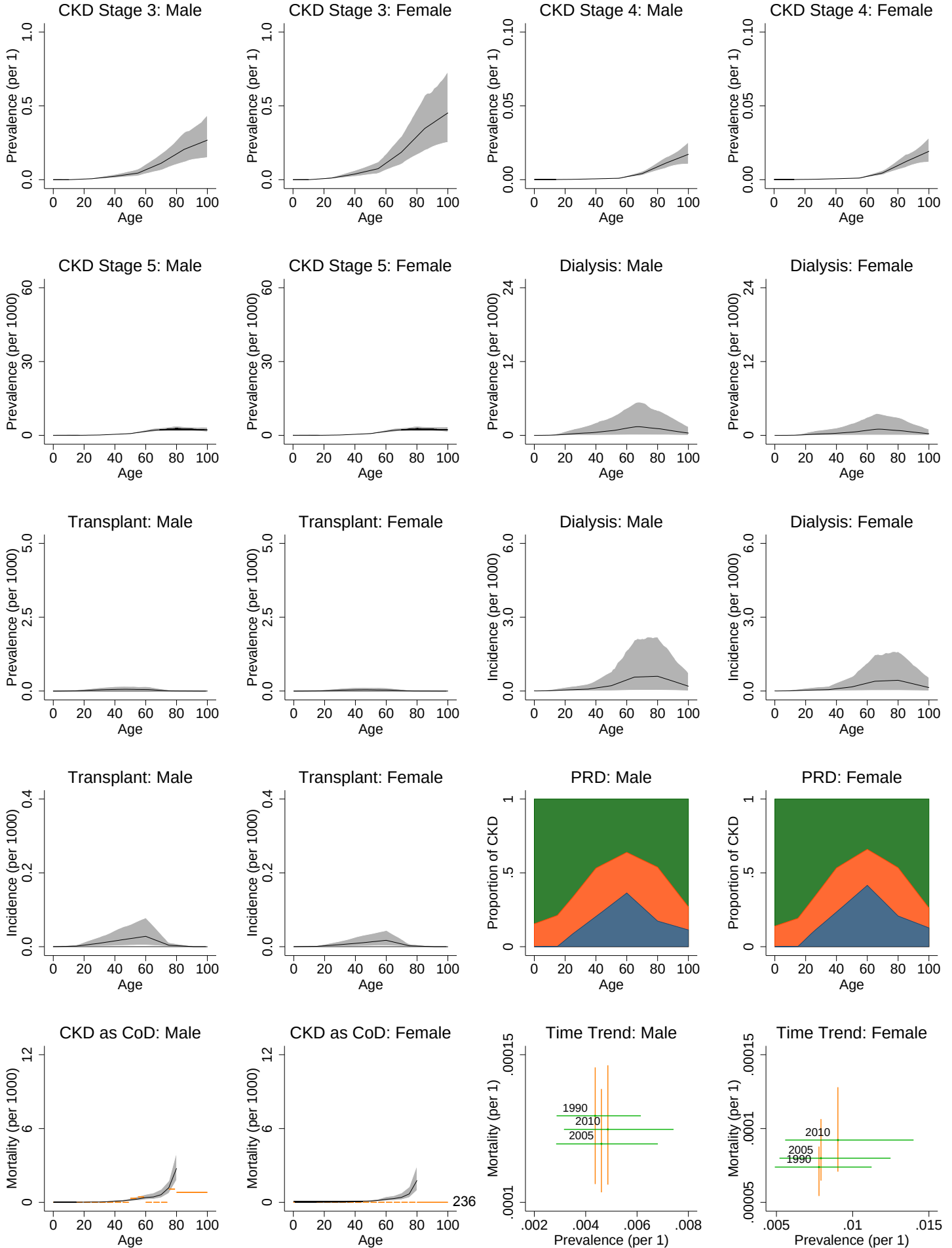
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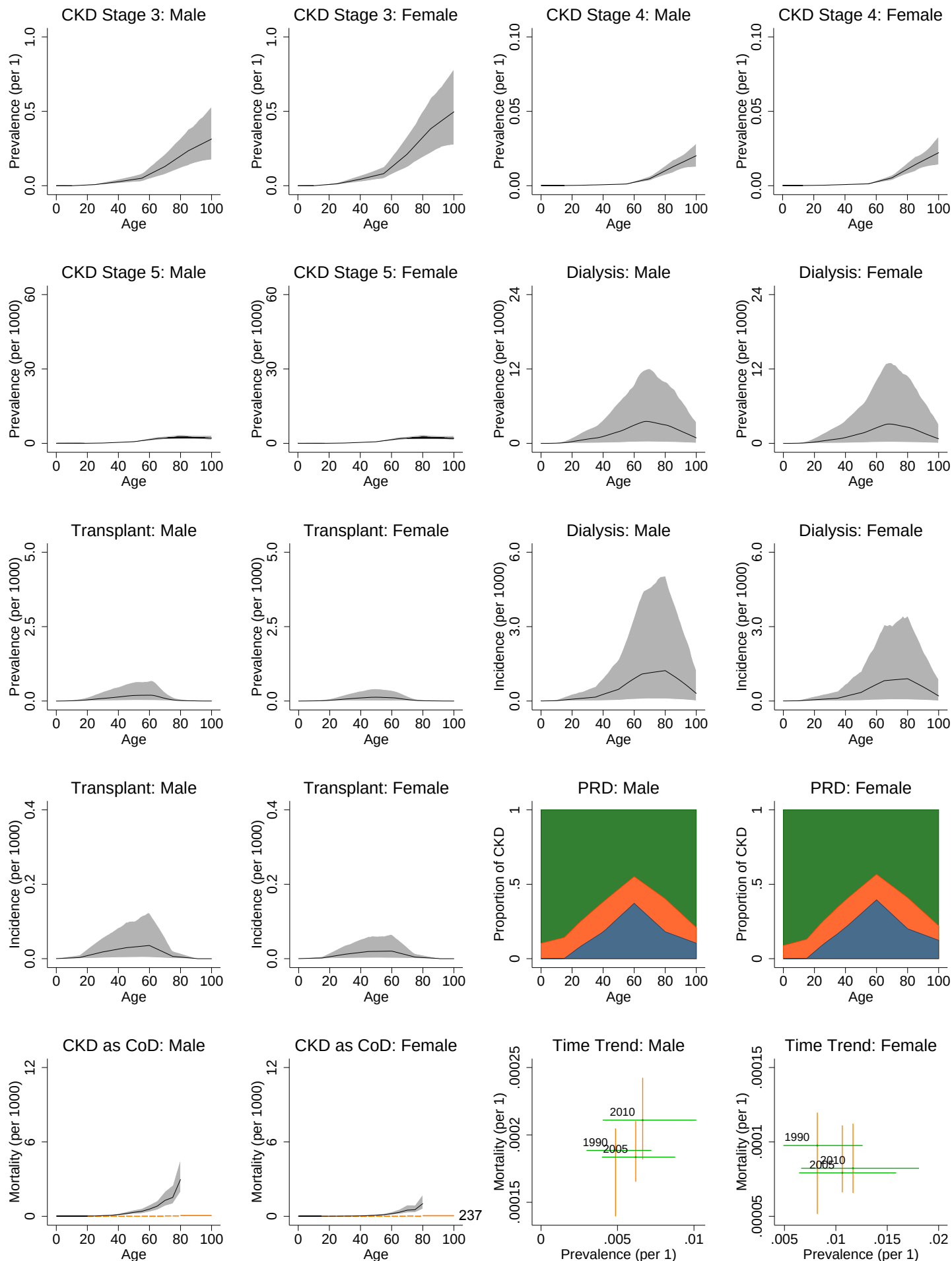
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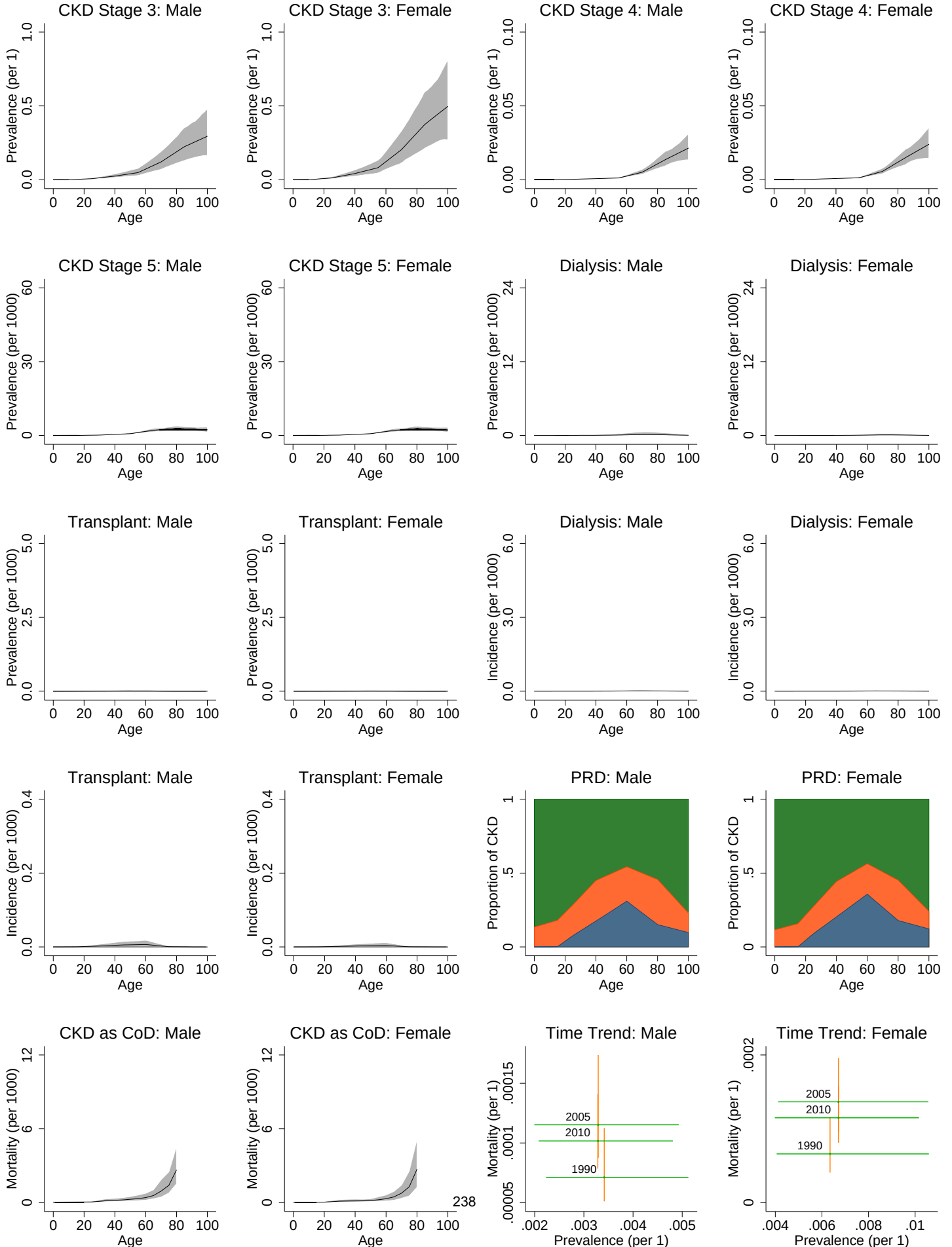
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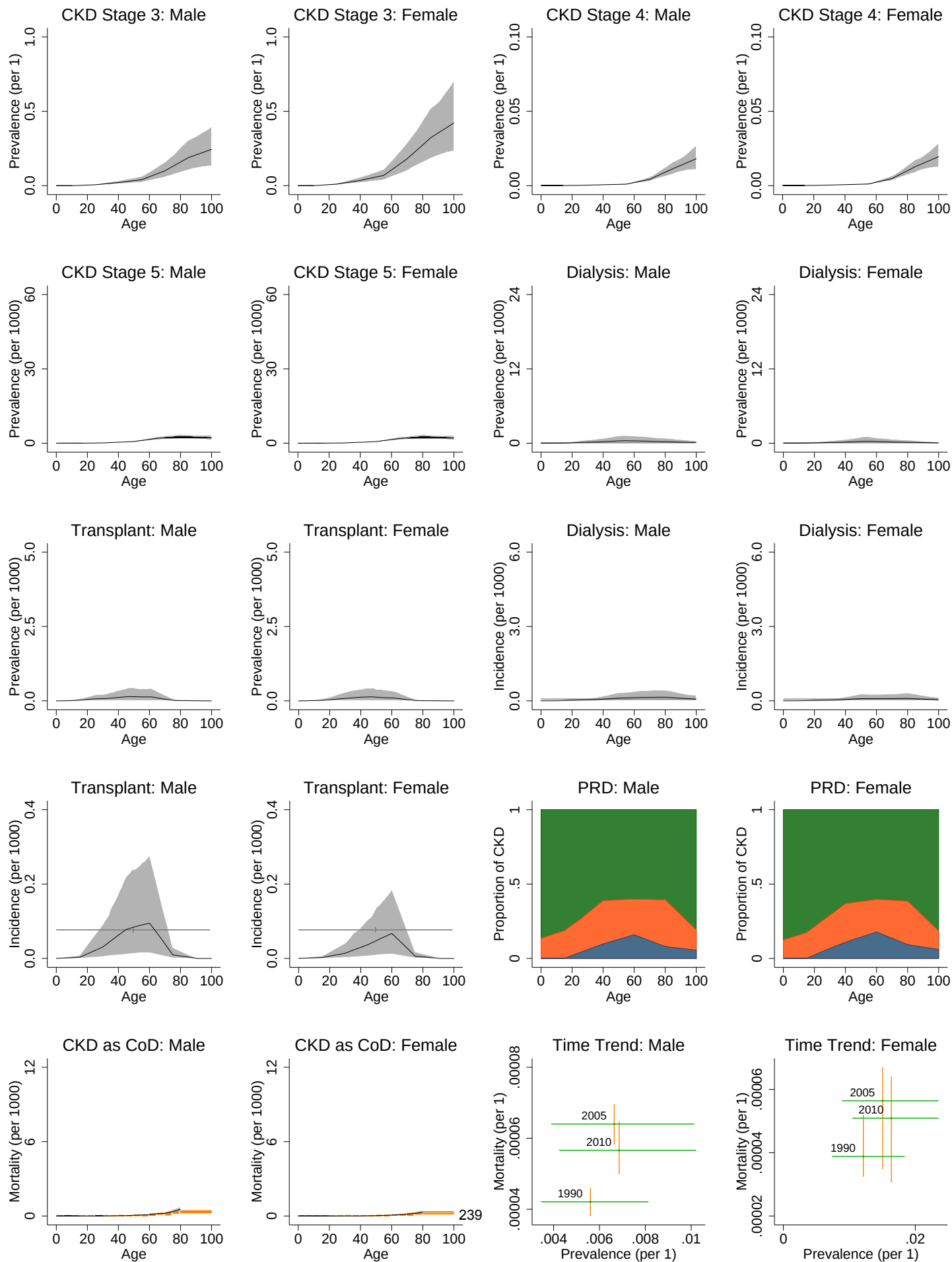
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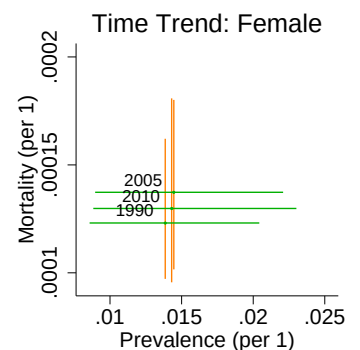
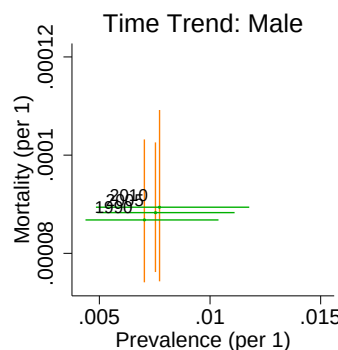
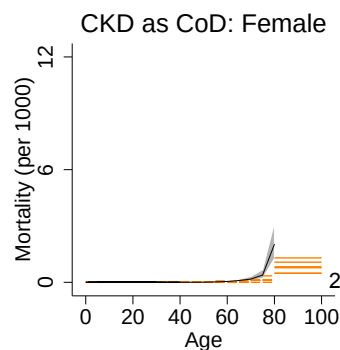
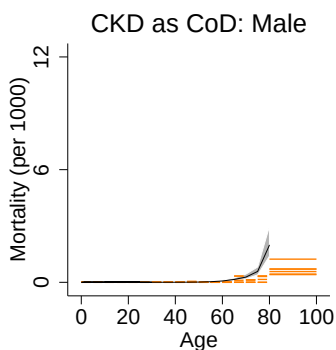
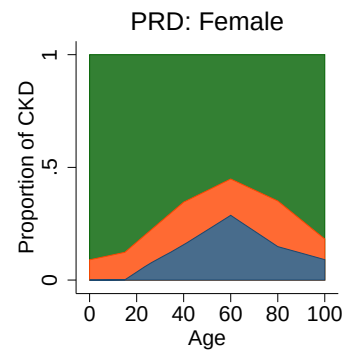
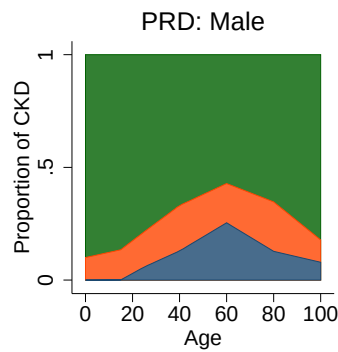
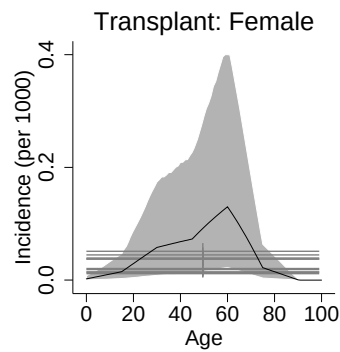
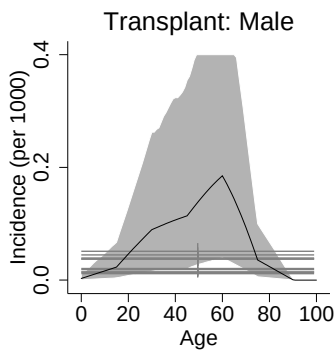
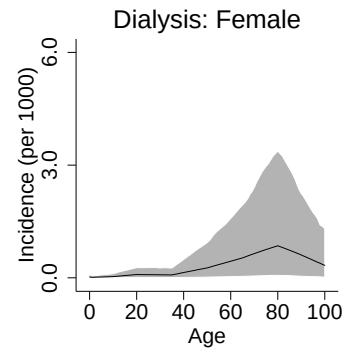
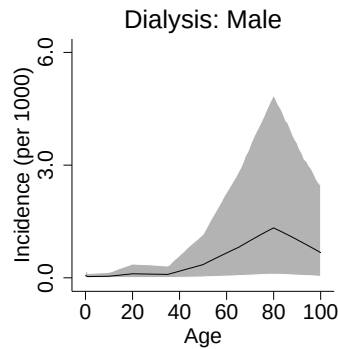
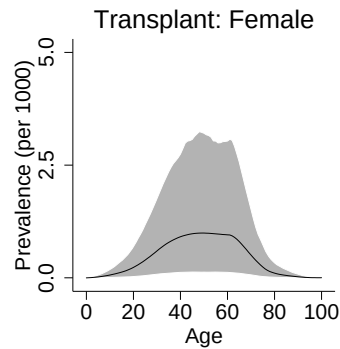
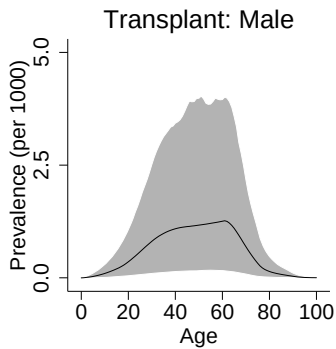
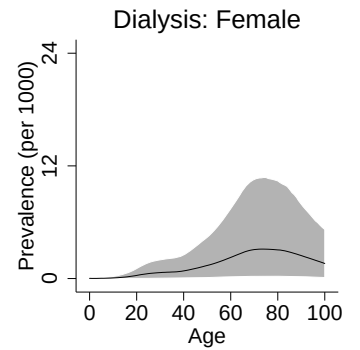
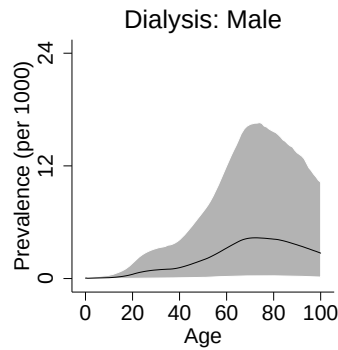
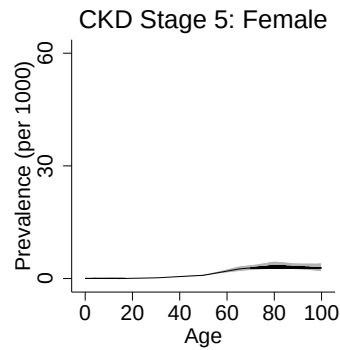
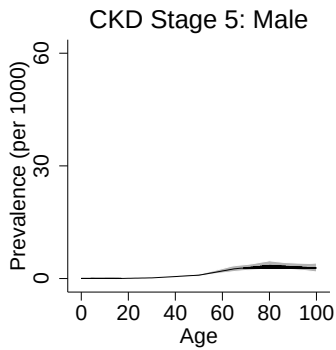
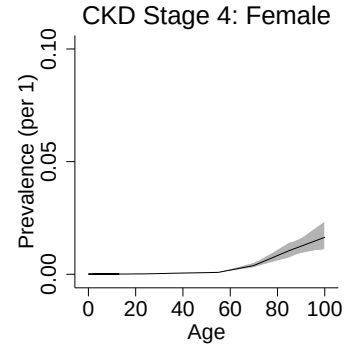
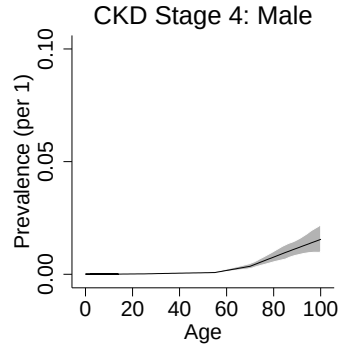
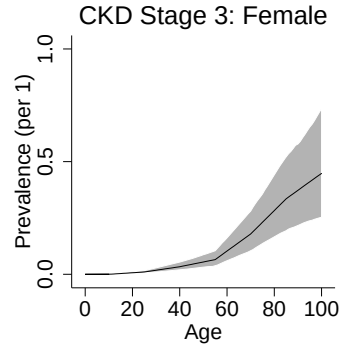
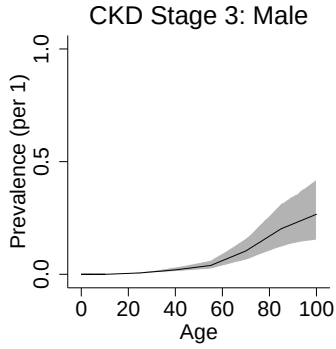
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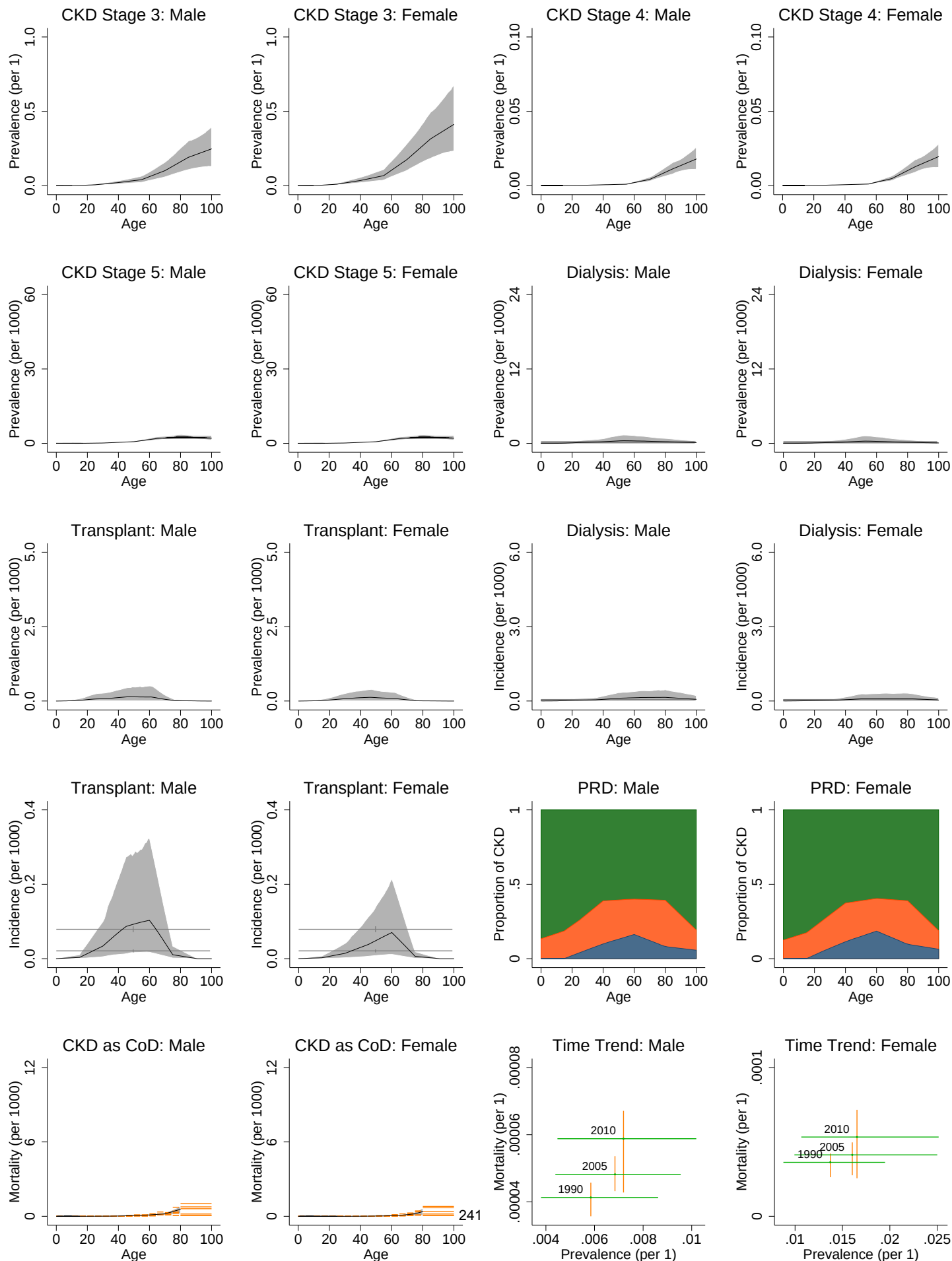
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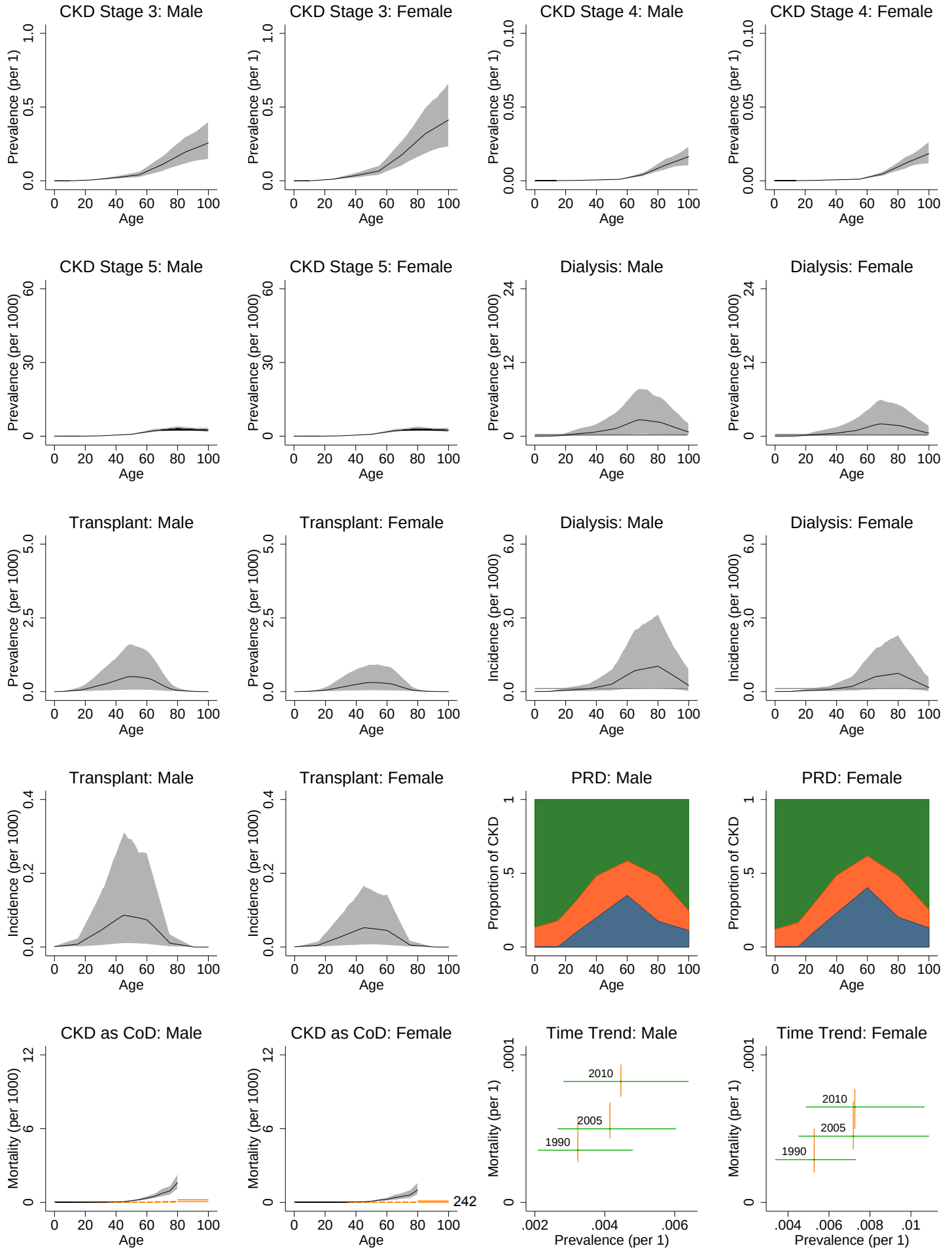
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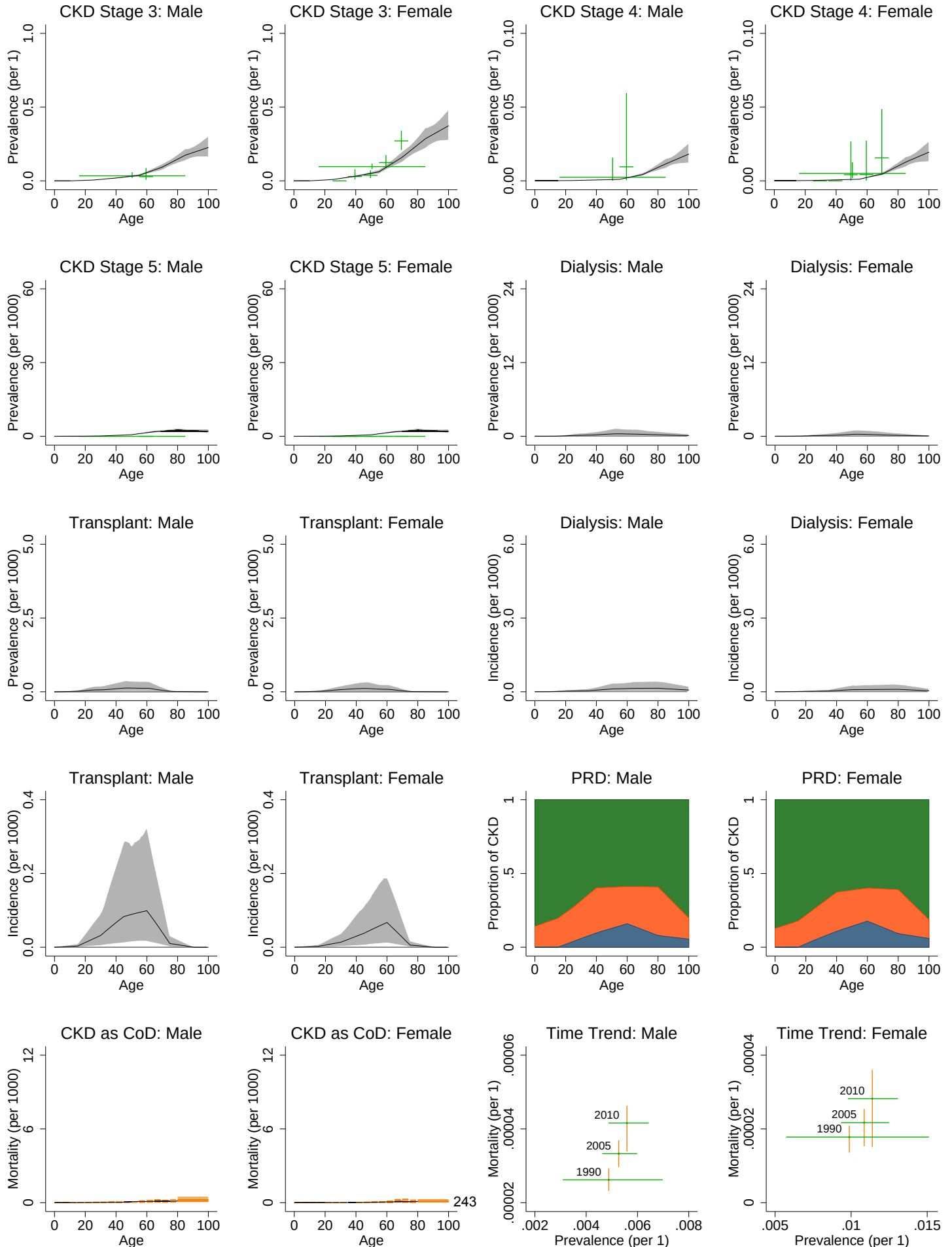
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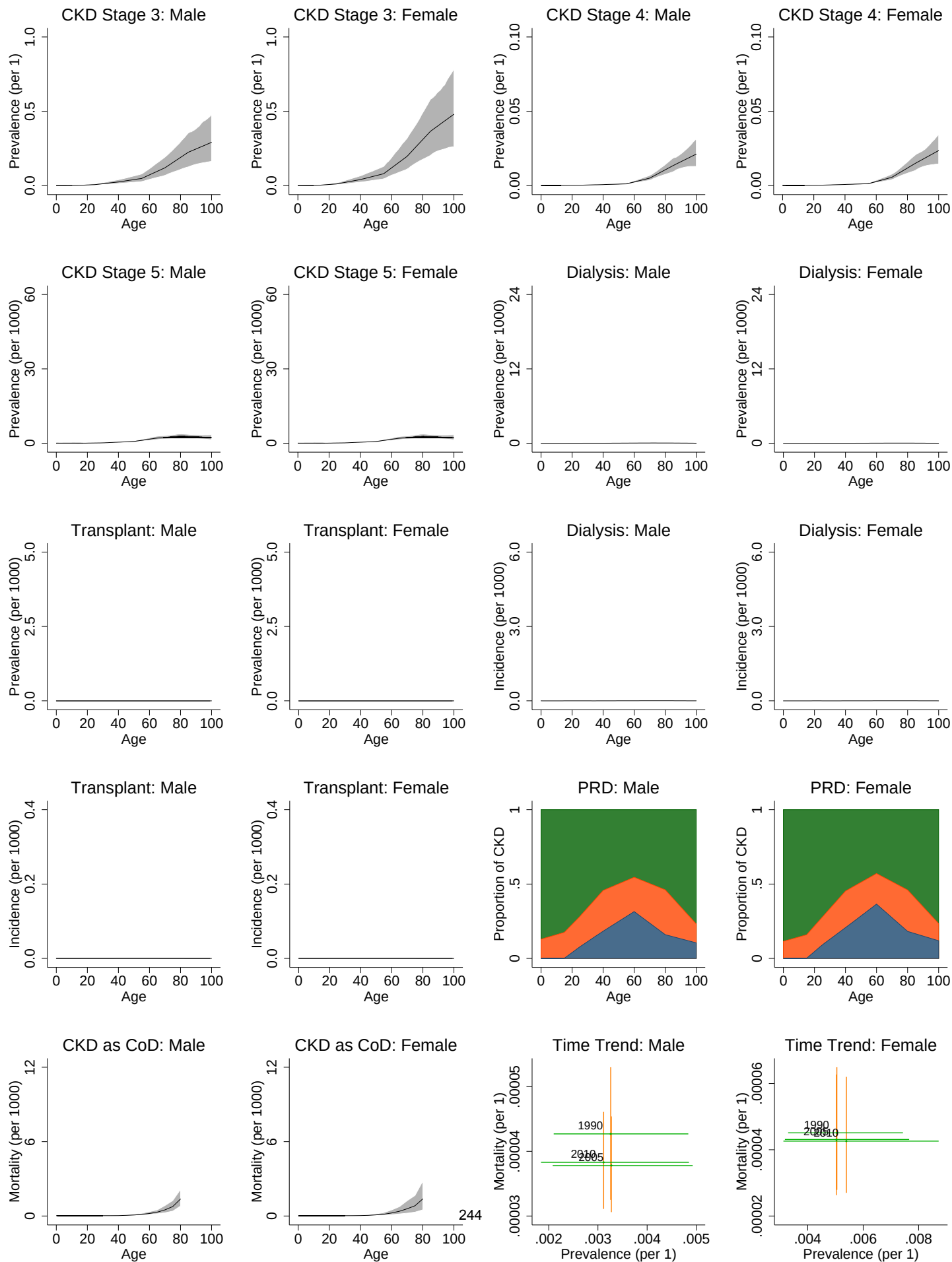
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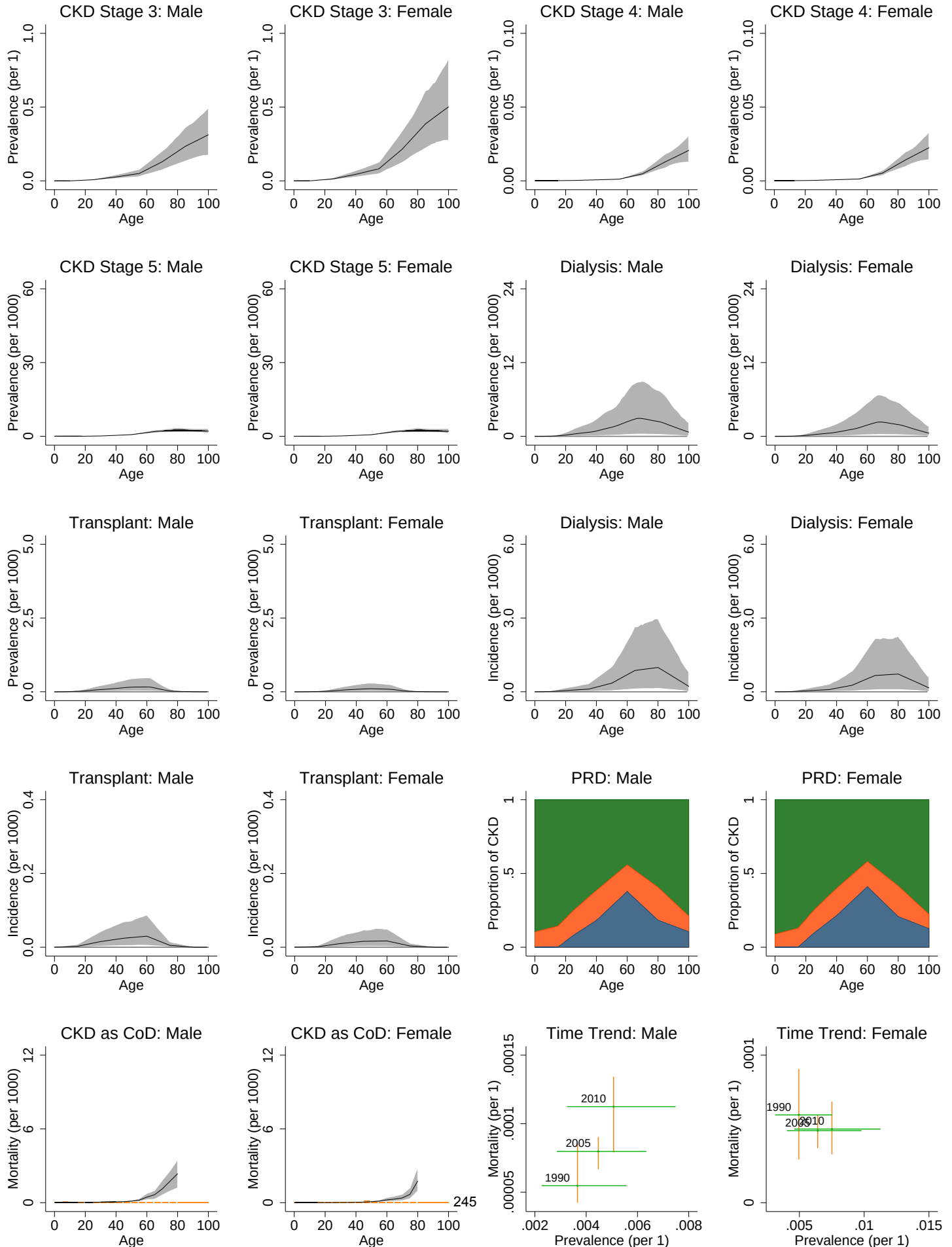
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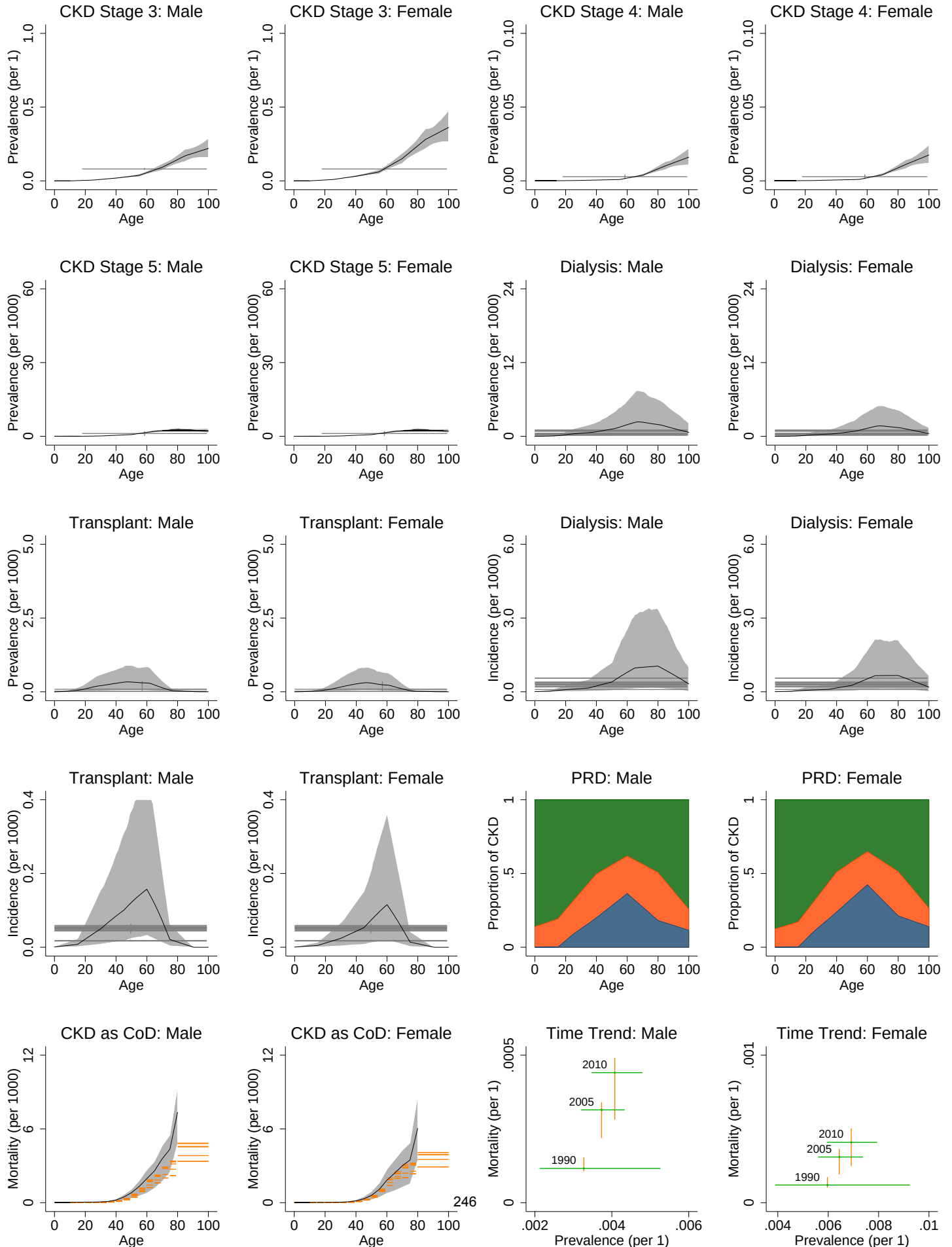
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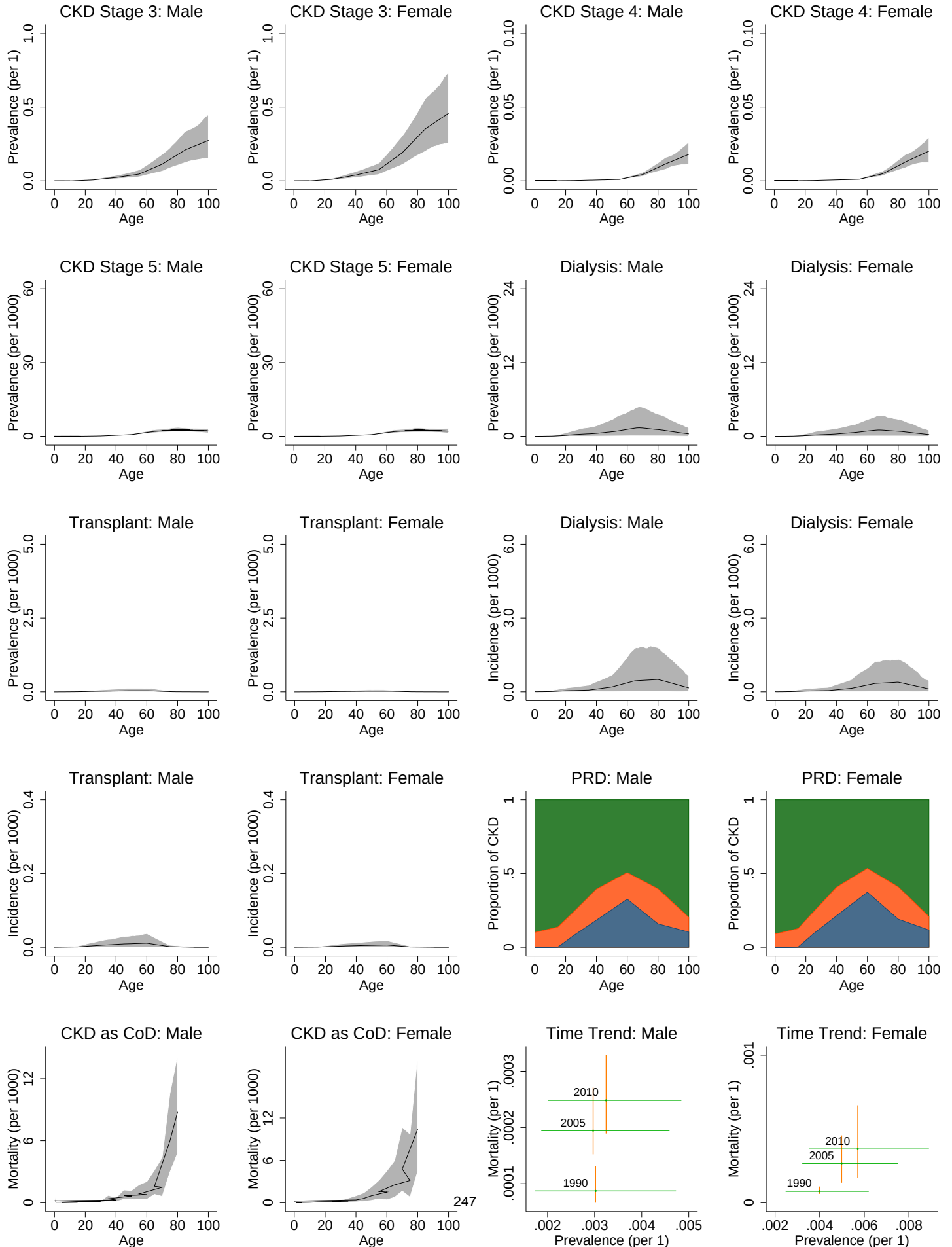
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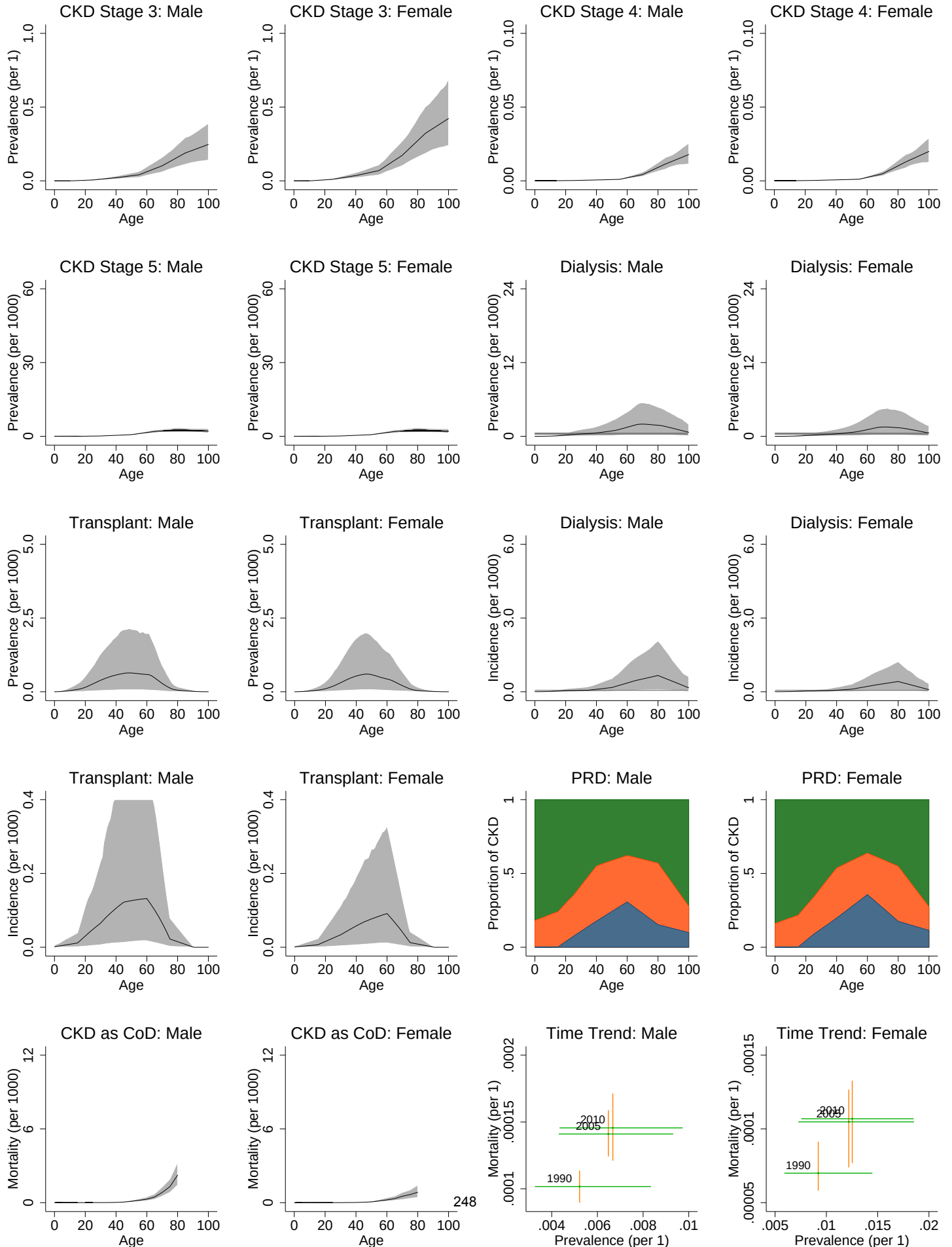
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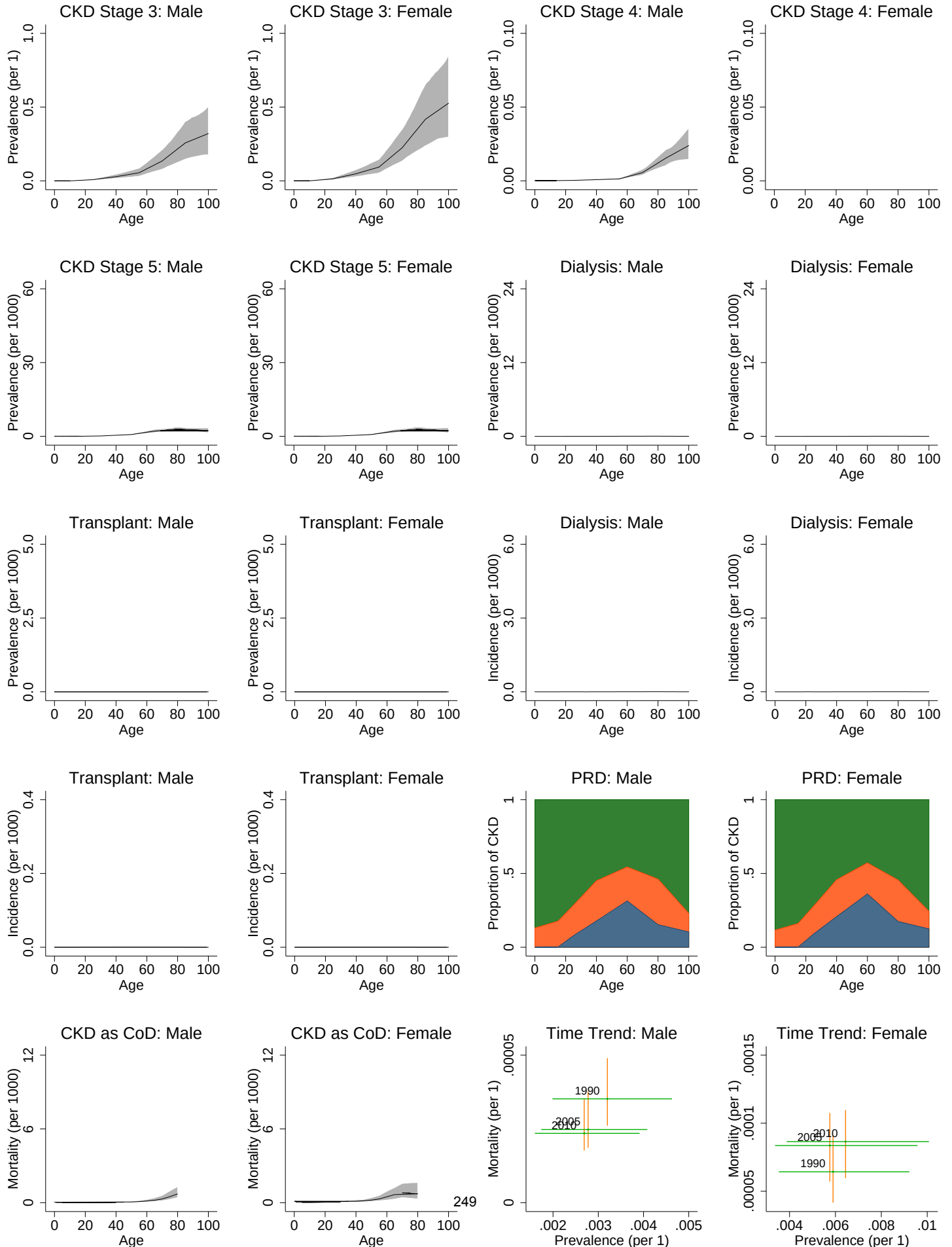
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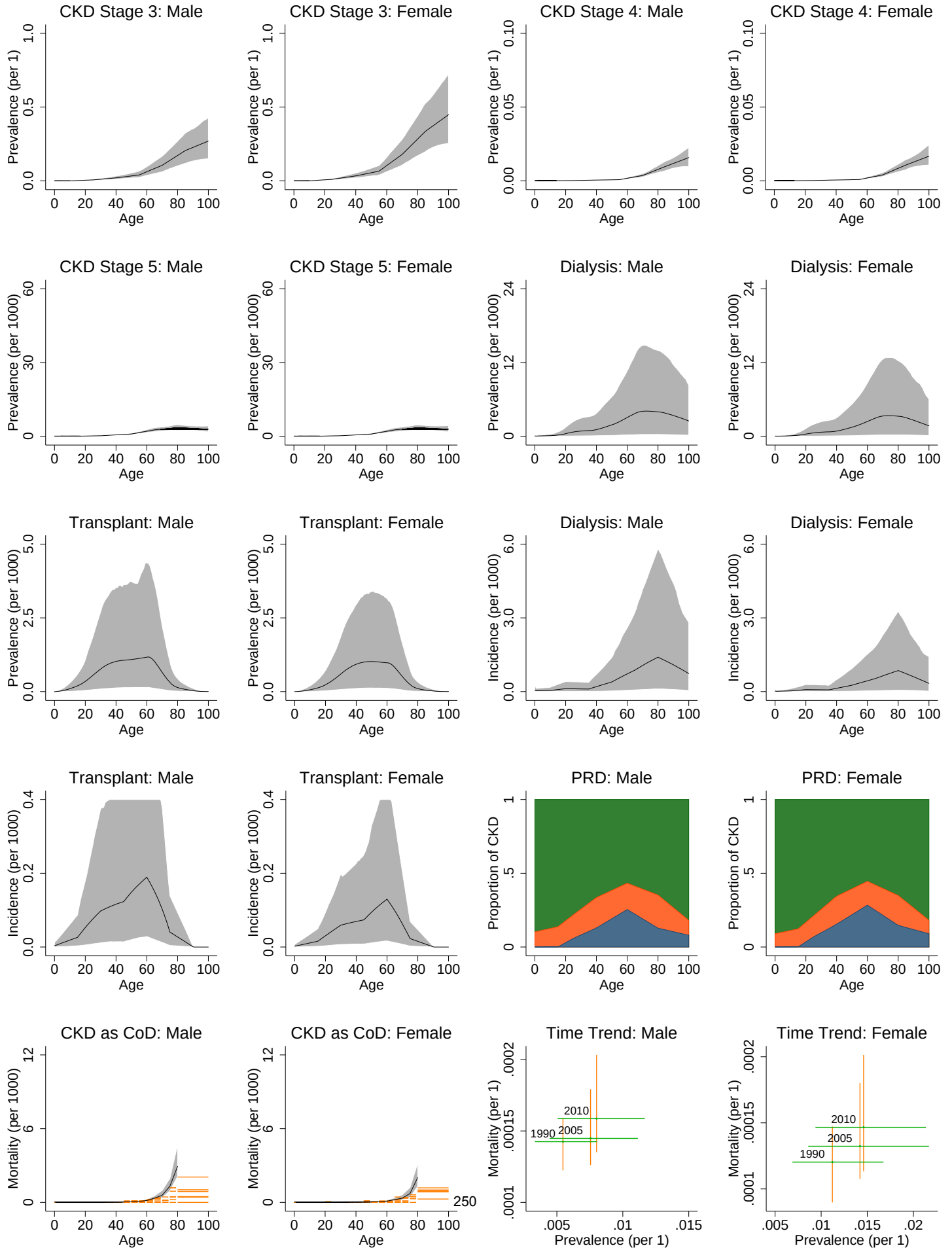
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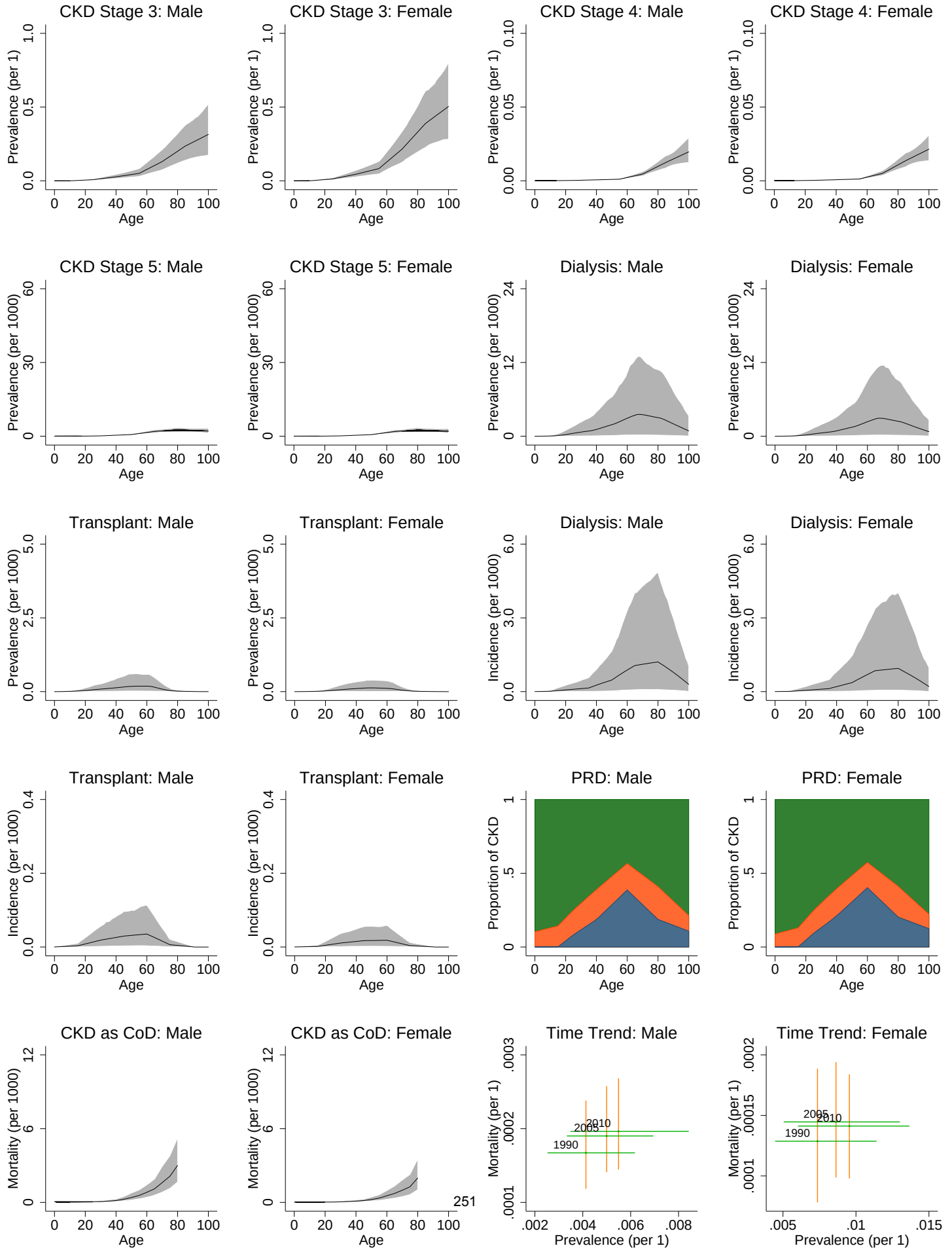
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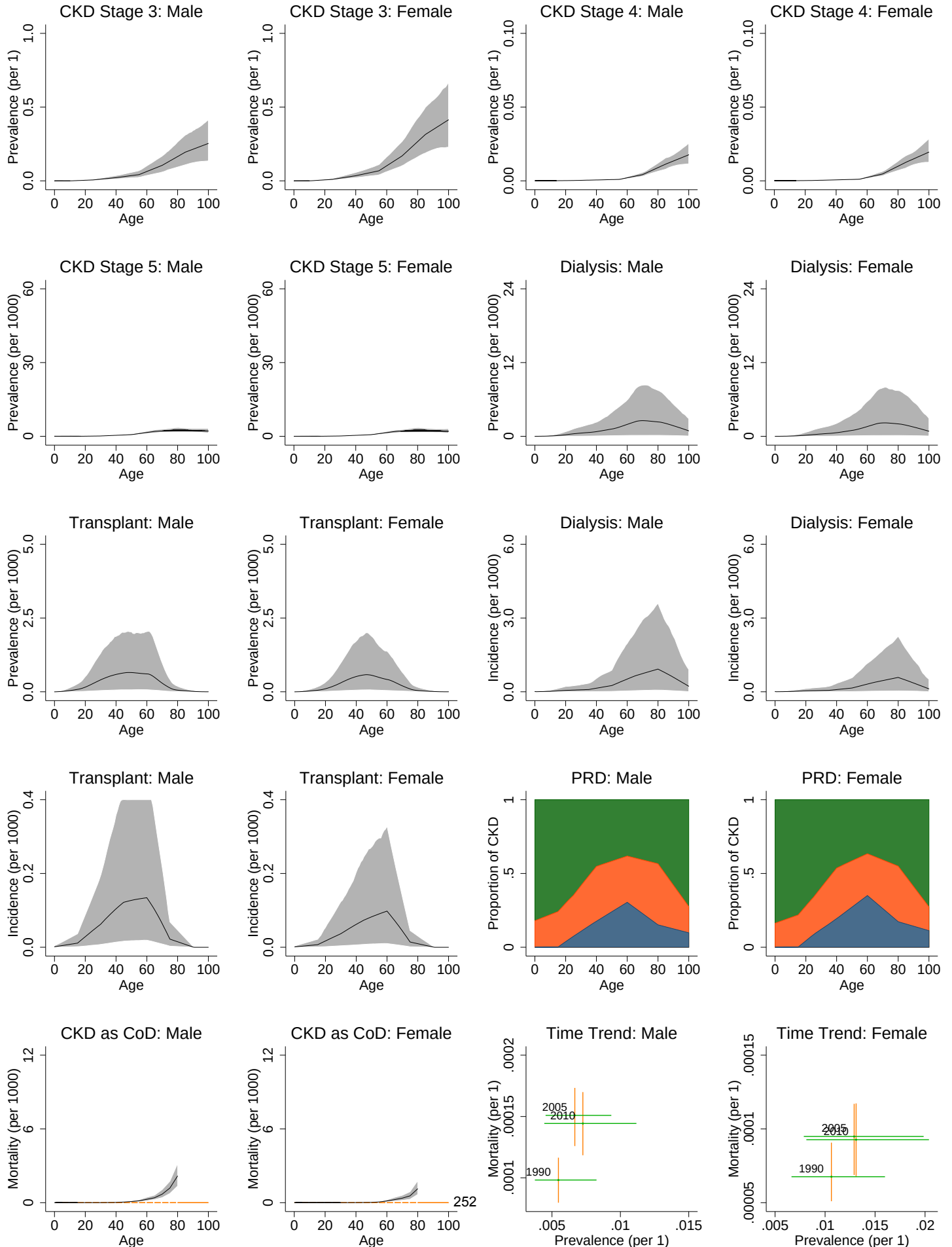
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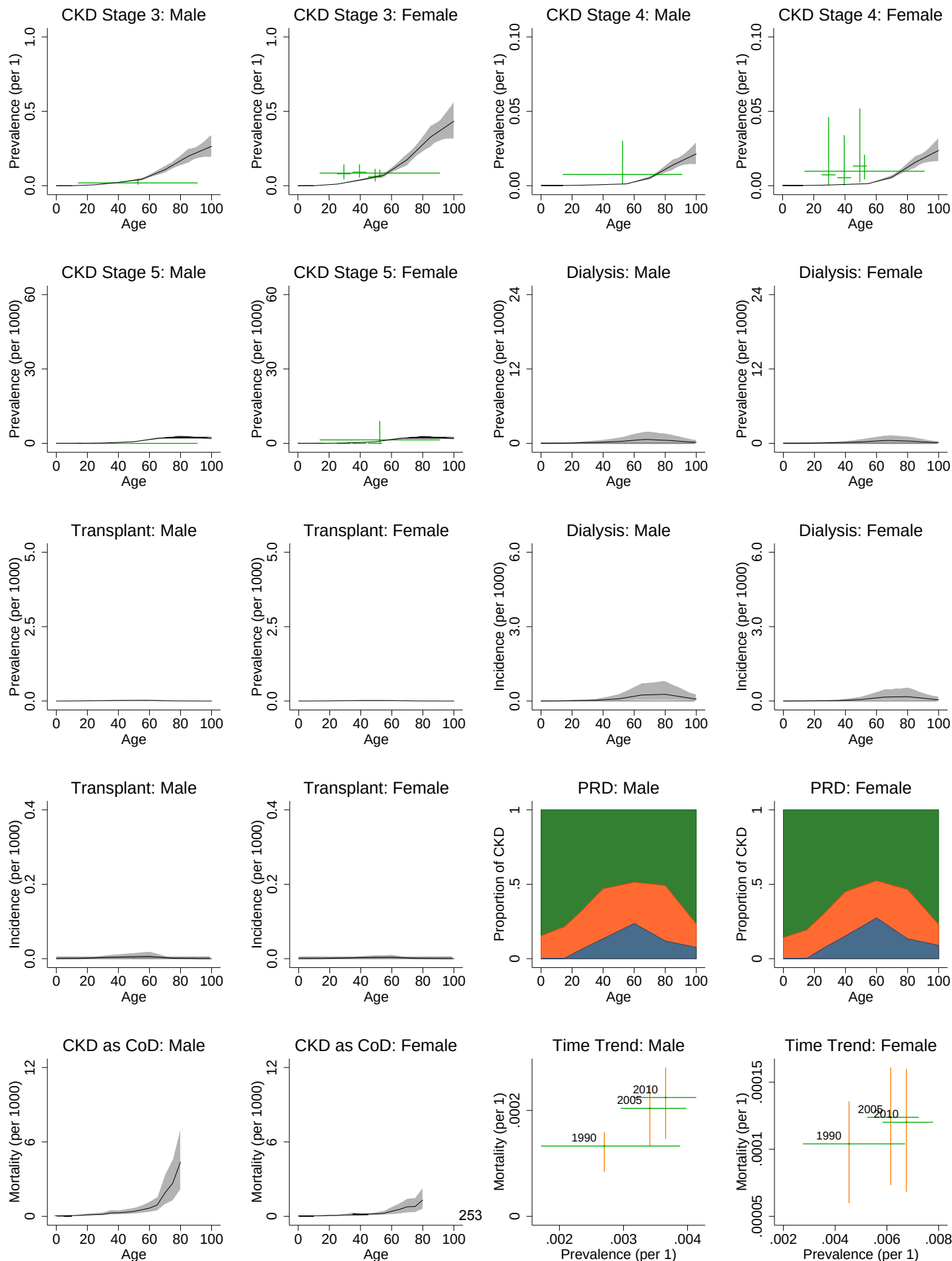
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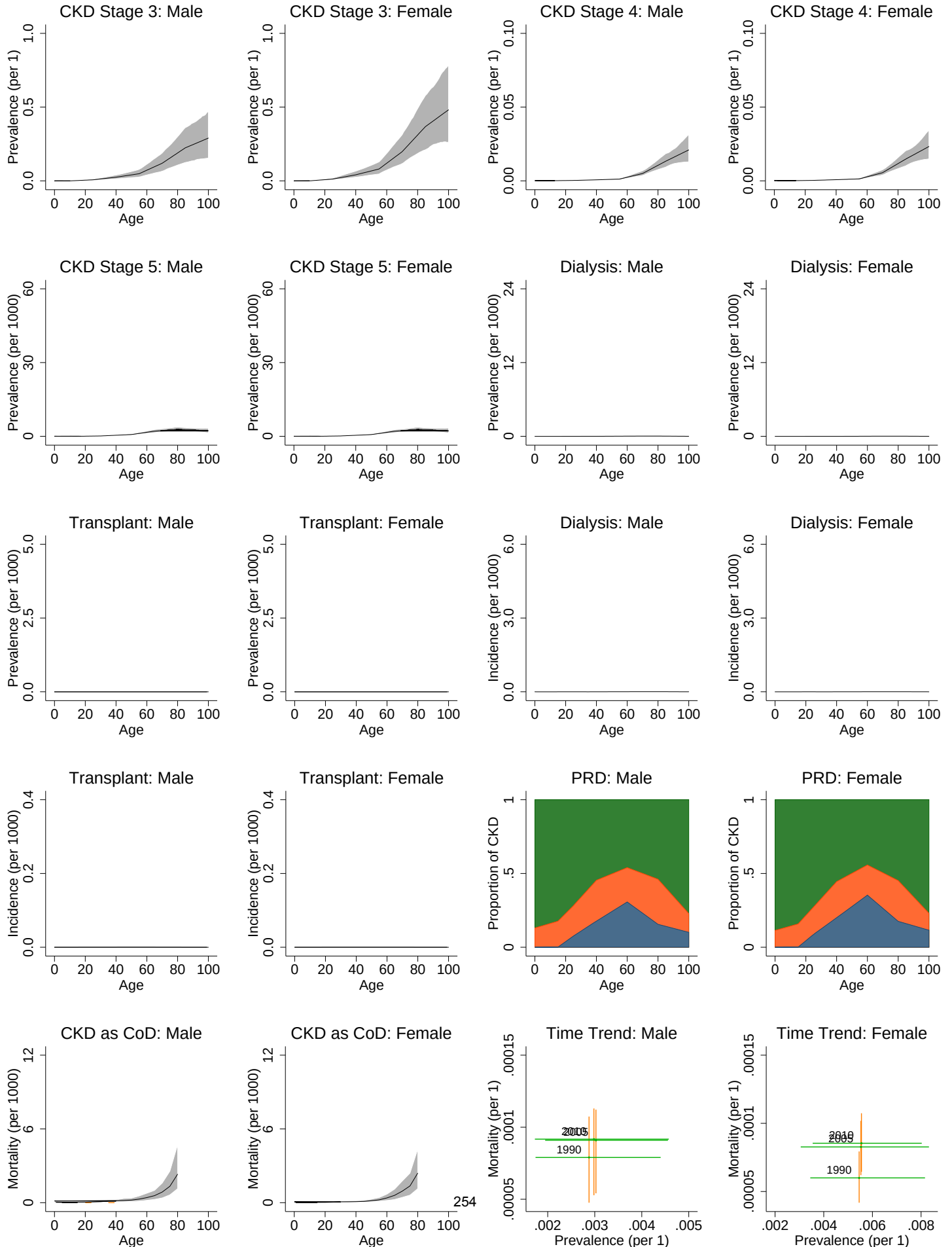
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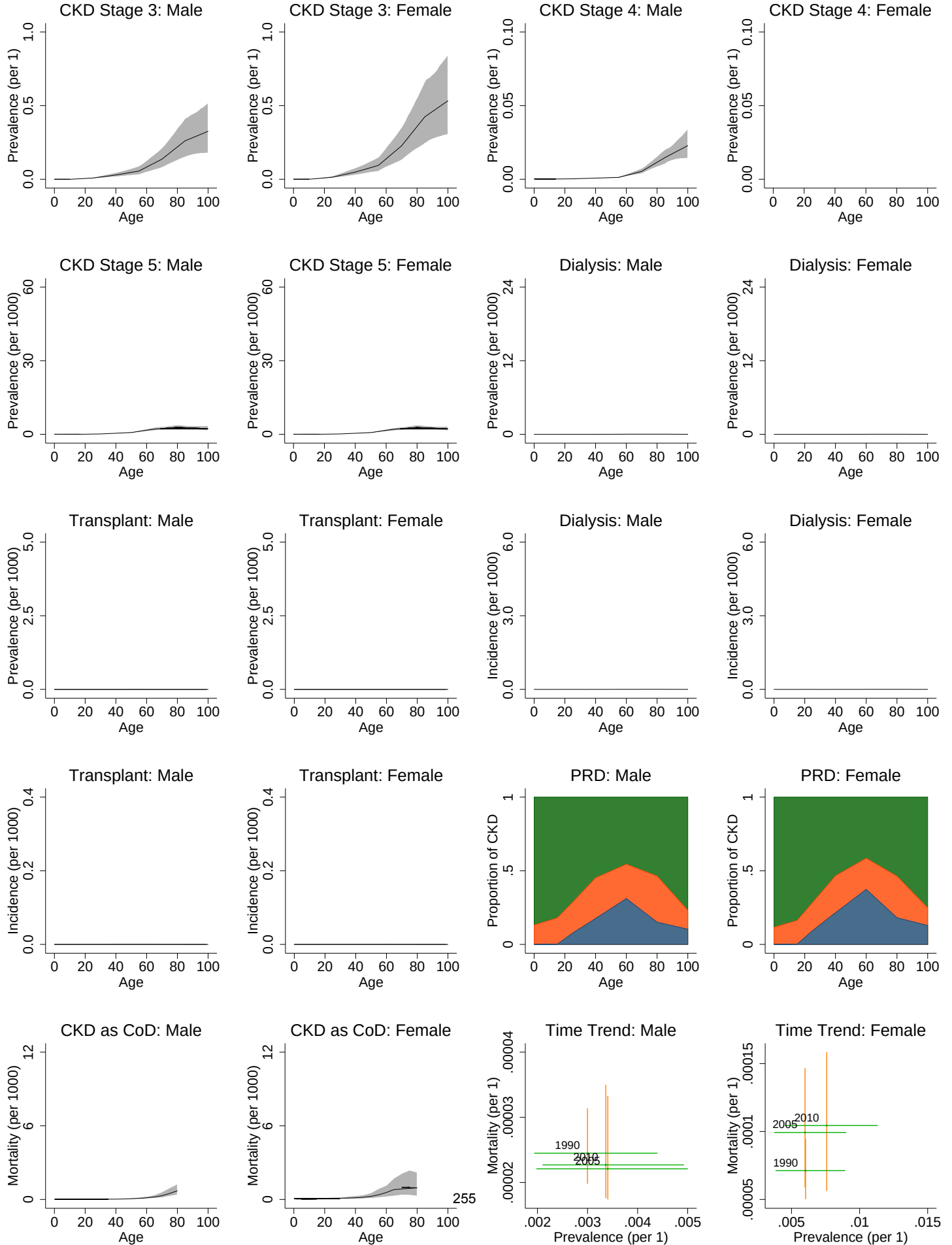
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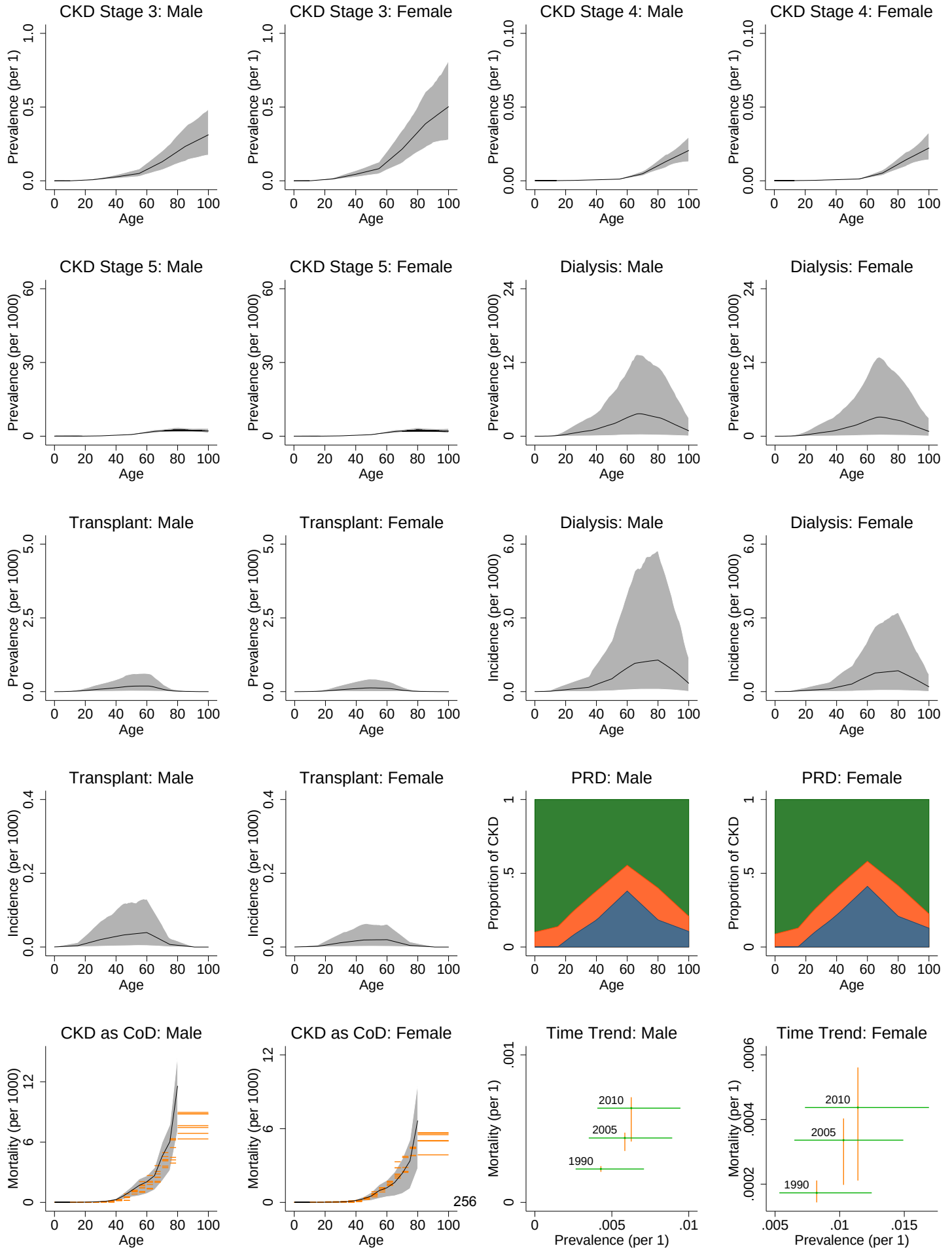
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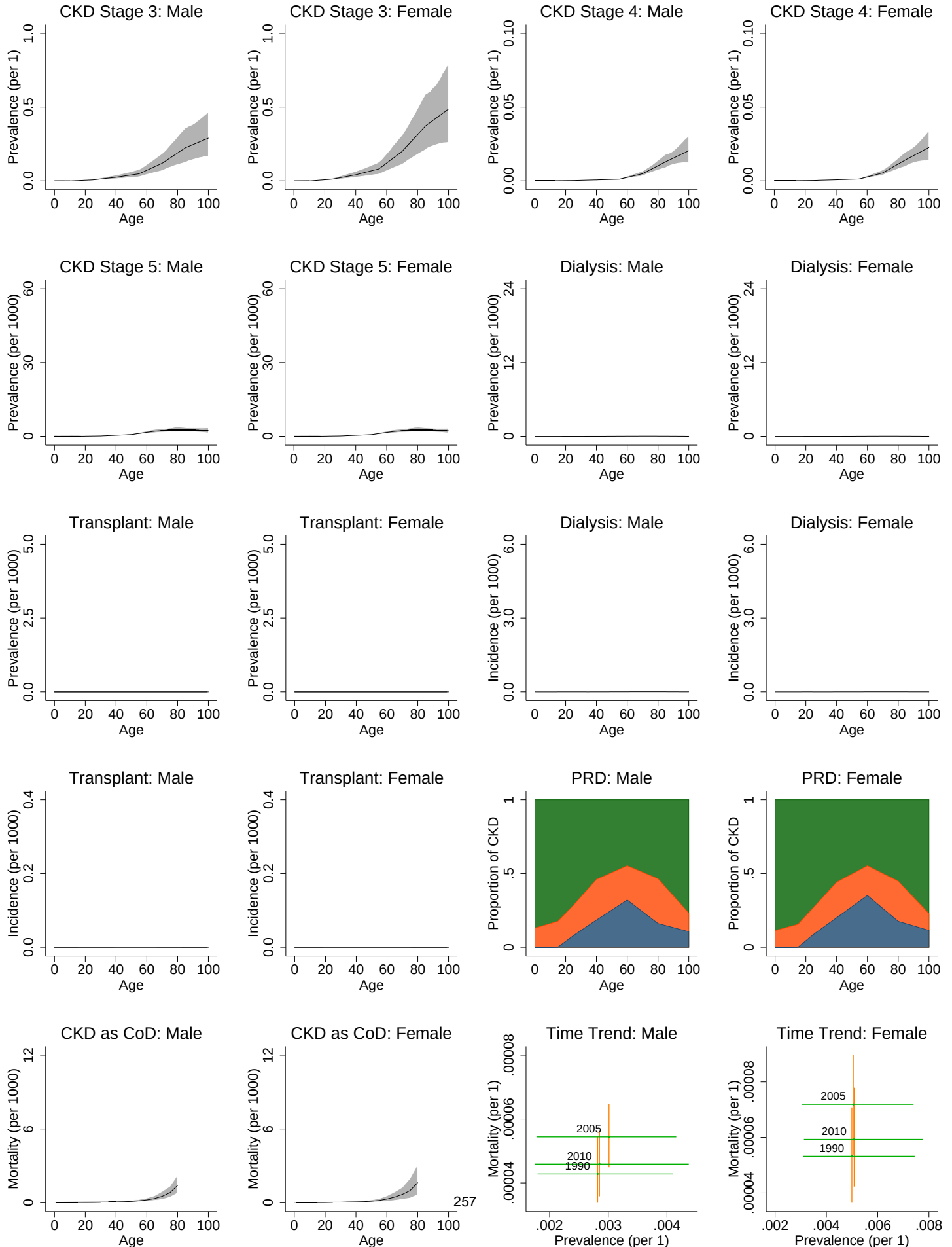
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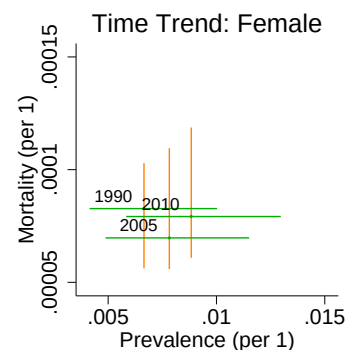
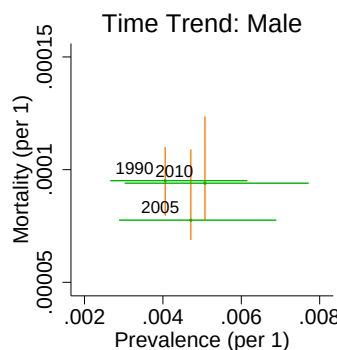
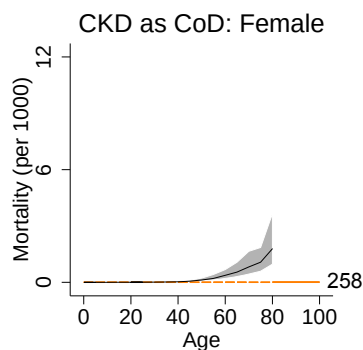
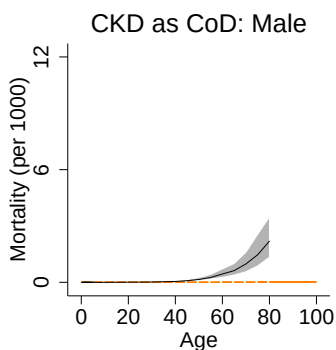
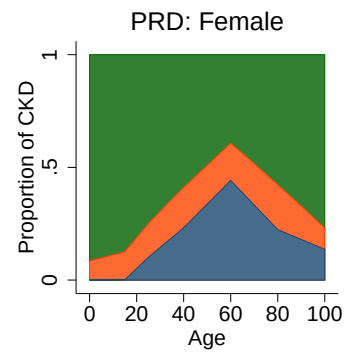
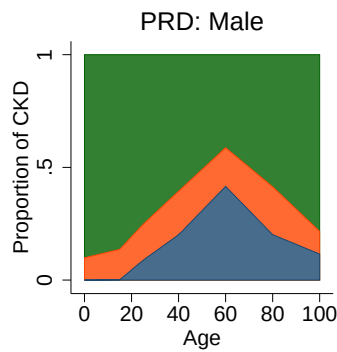
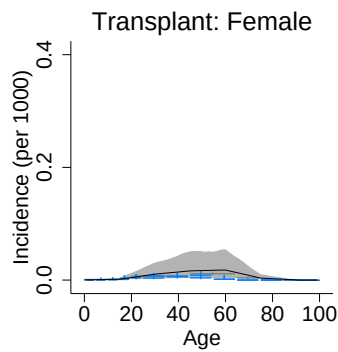
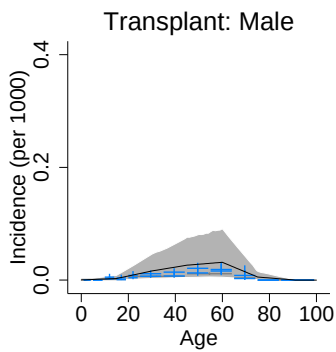
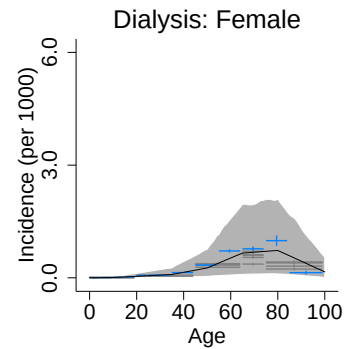
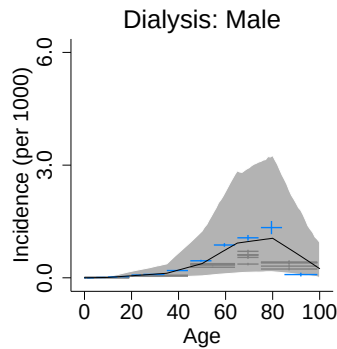
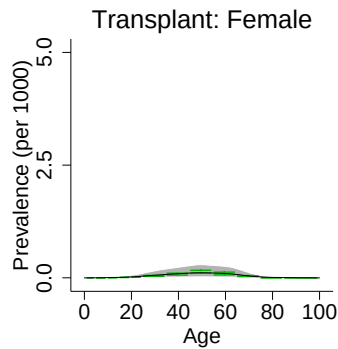
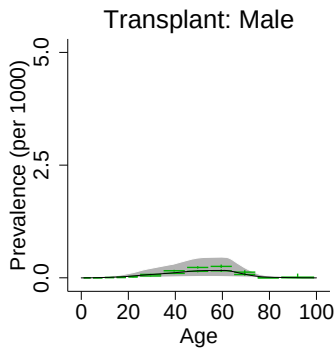
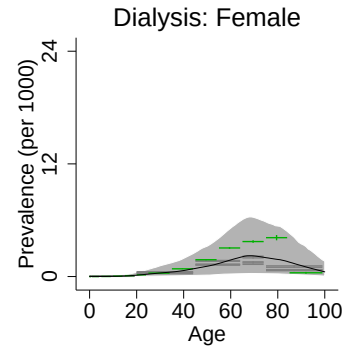
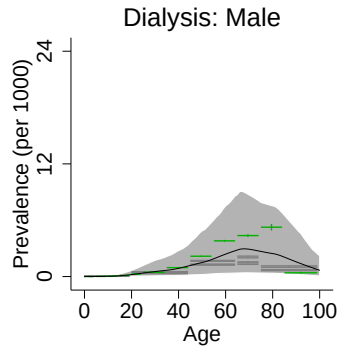
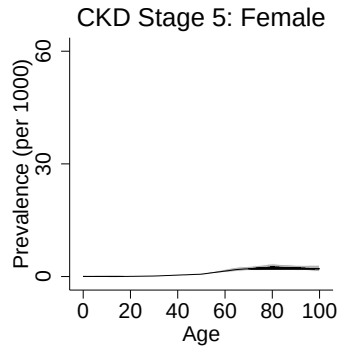
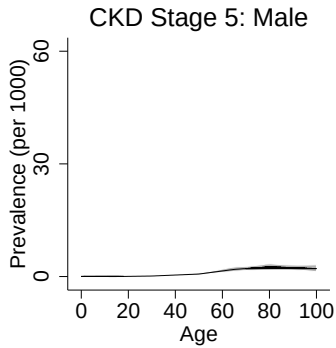
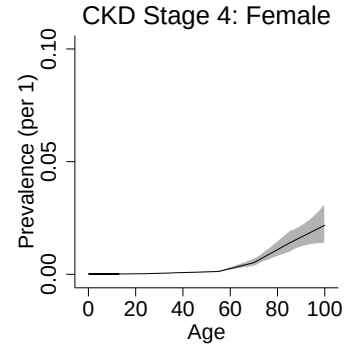
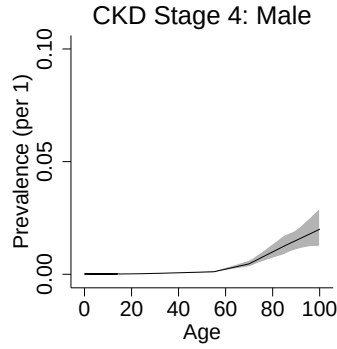
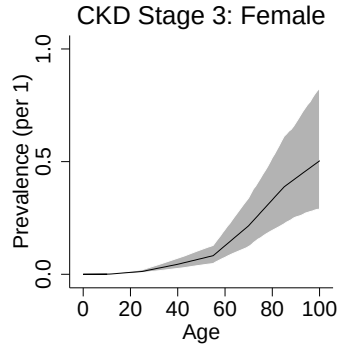
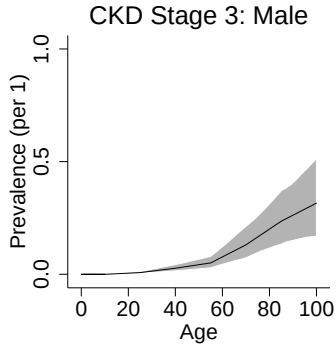
MUS 2010 Estimates



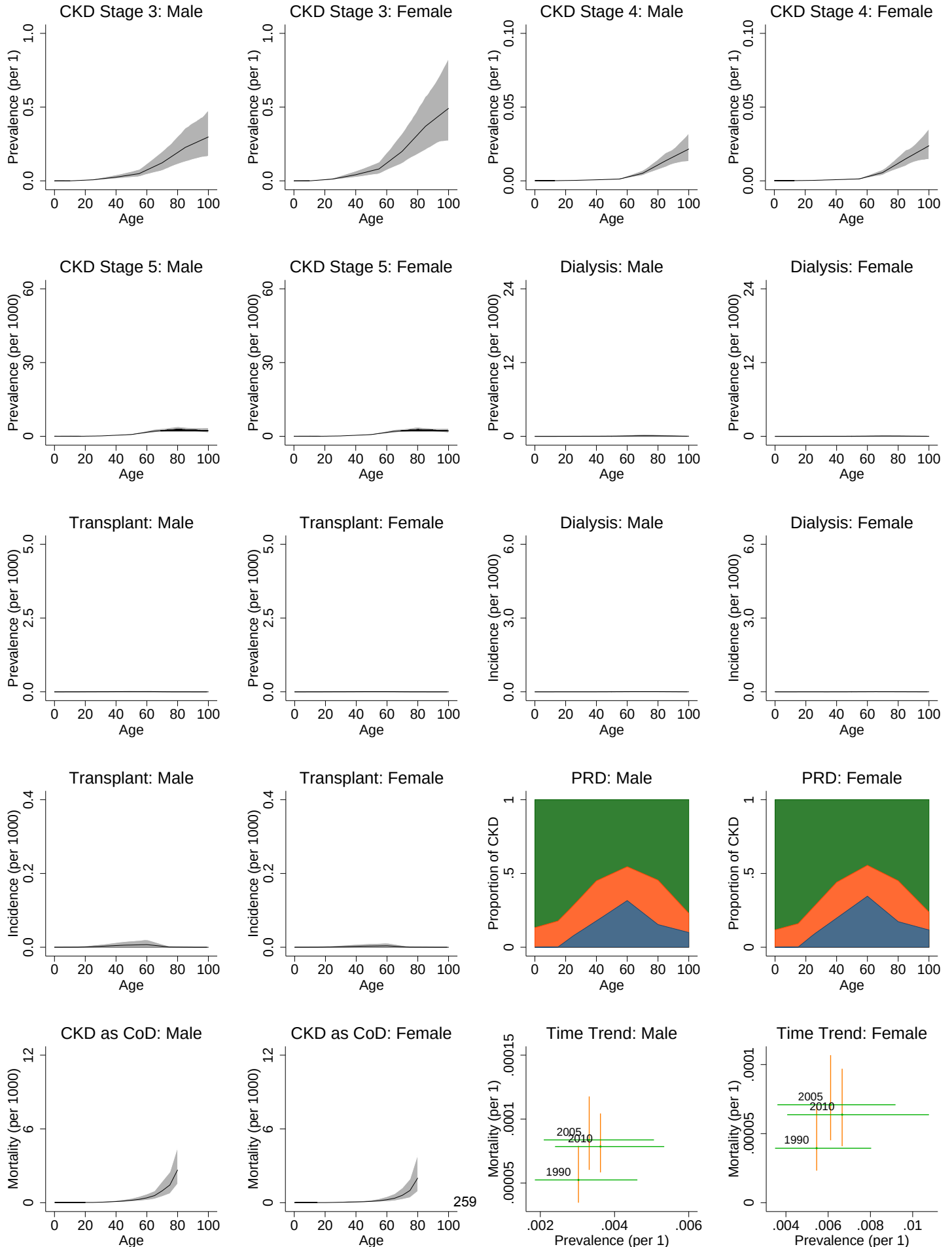
MWI 2010 Estimates



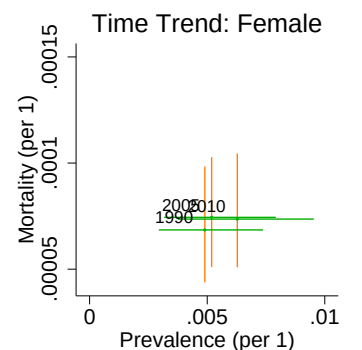
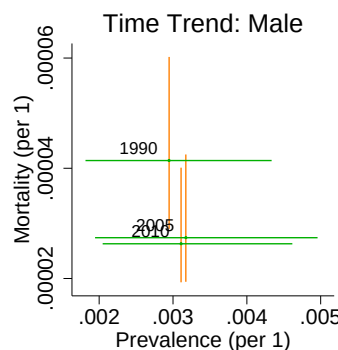
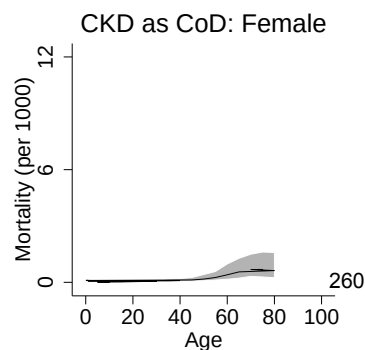
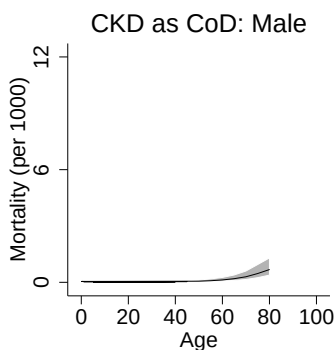
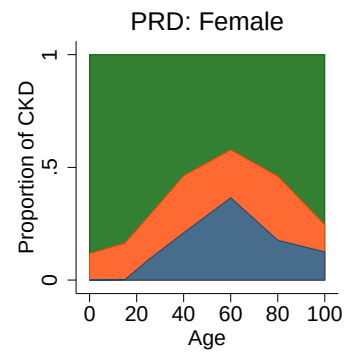
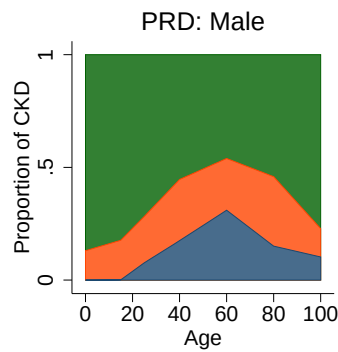
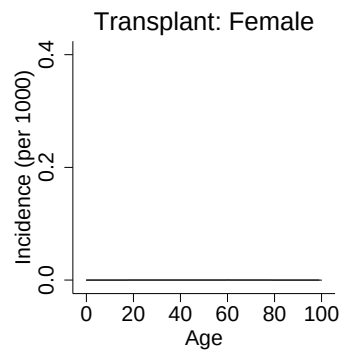
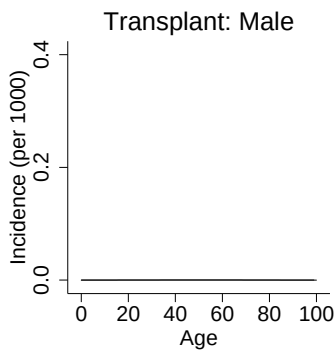
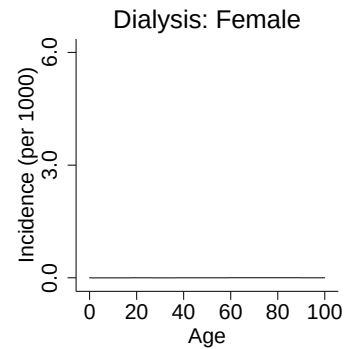
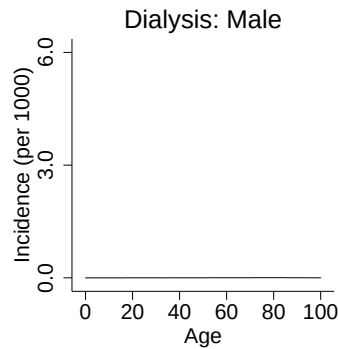
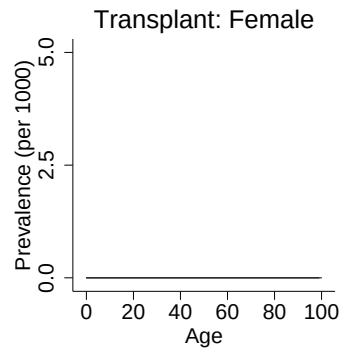
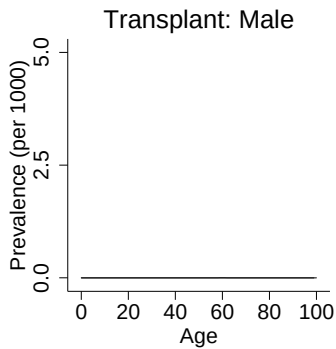
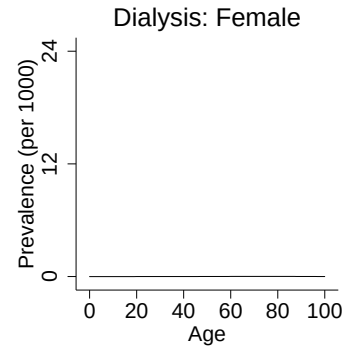
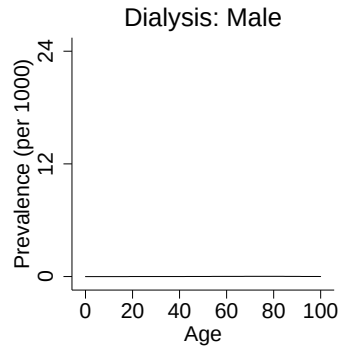
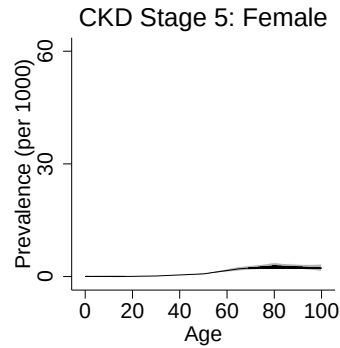
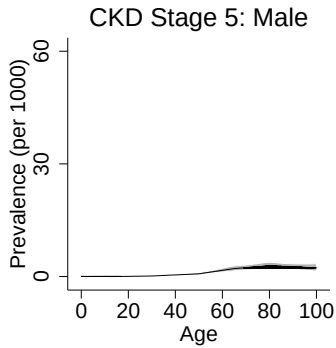
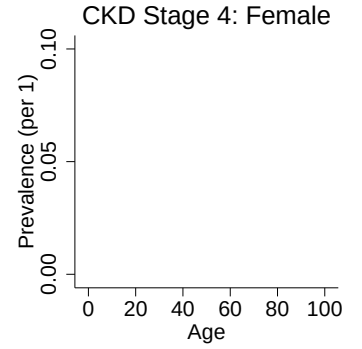
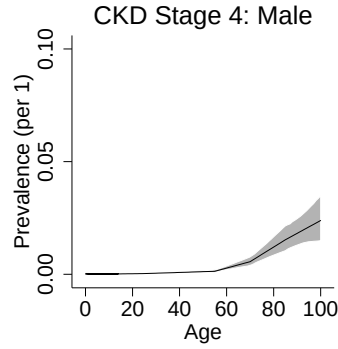
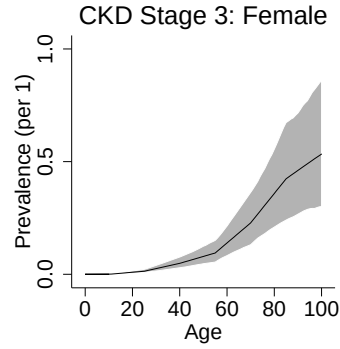
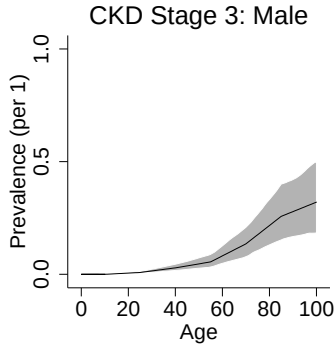
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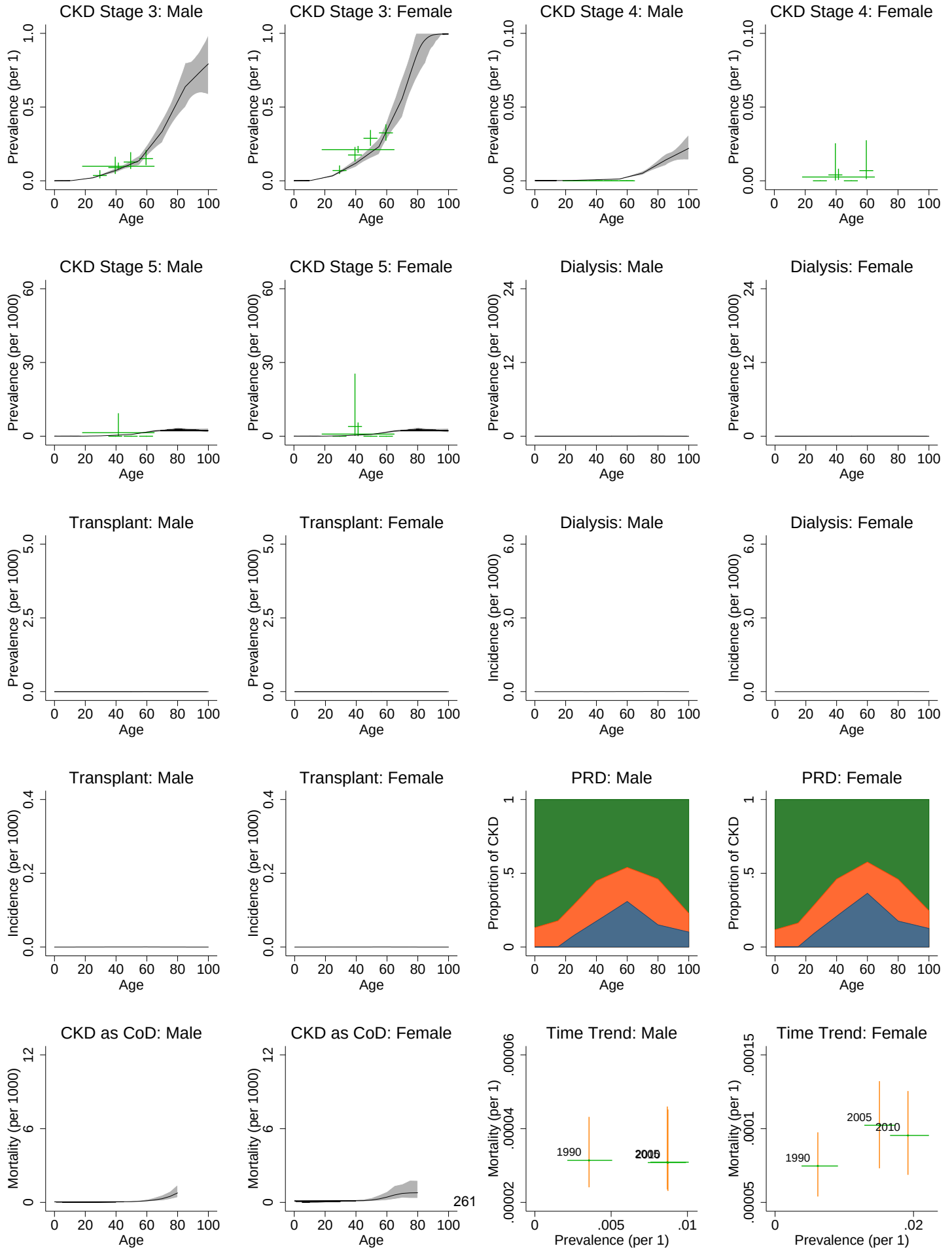
NAM 2010 Estimates



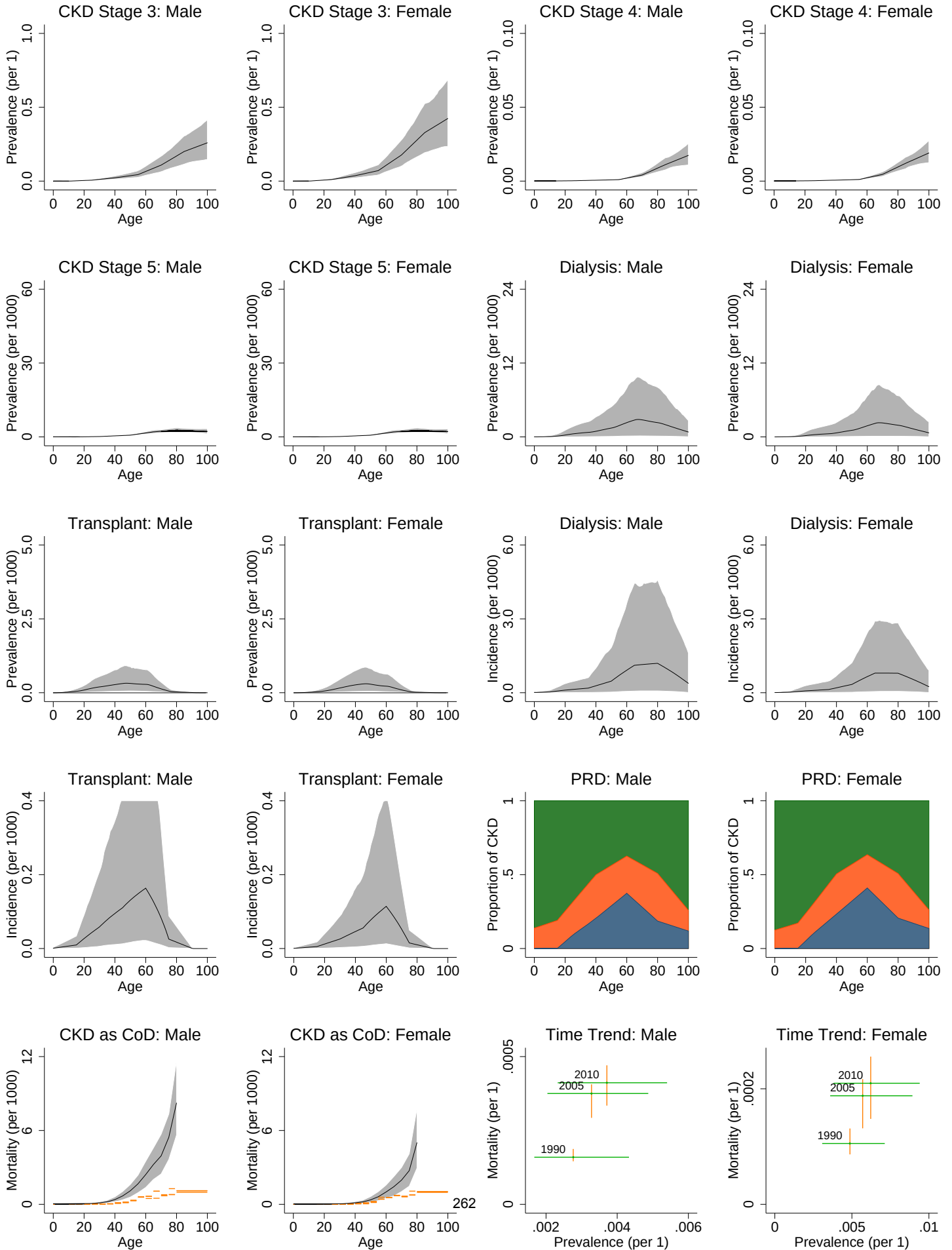
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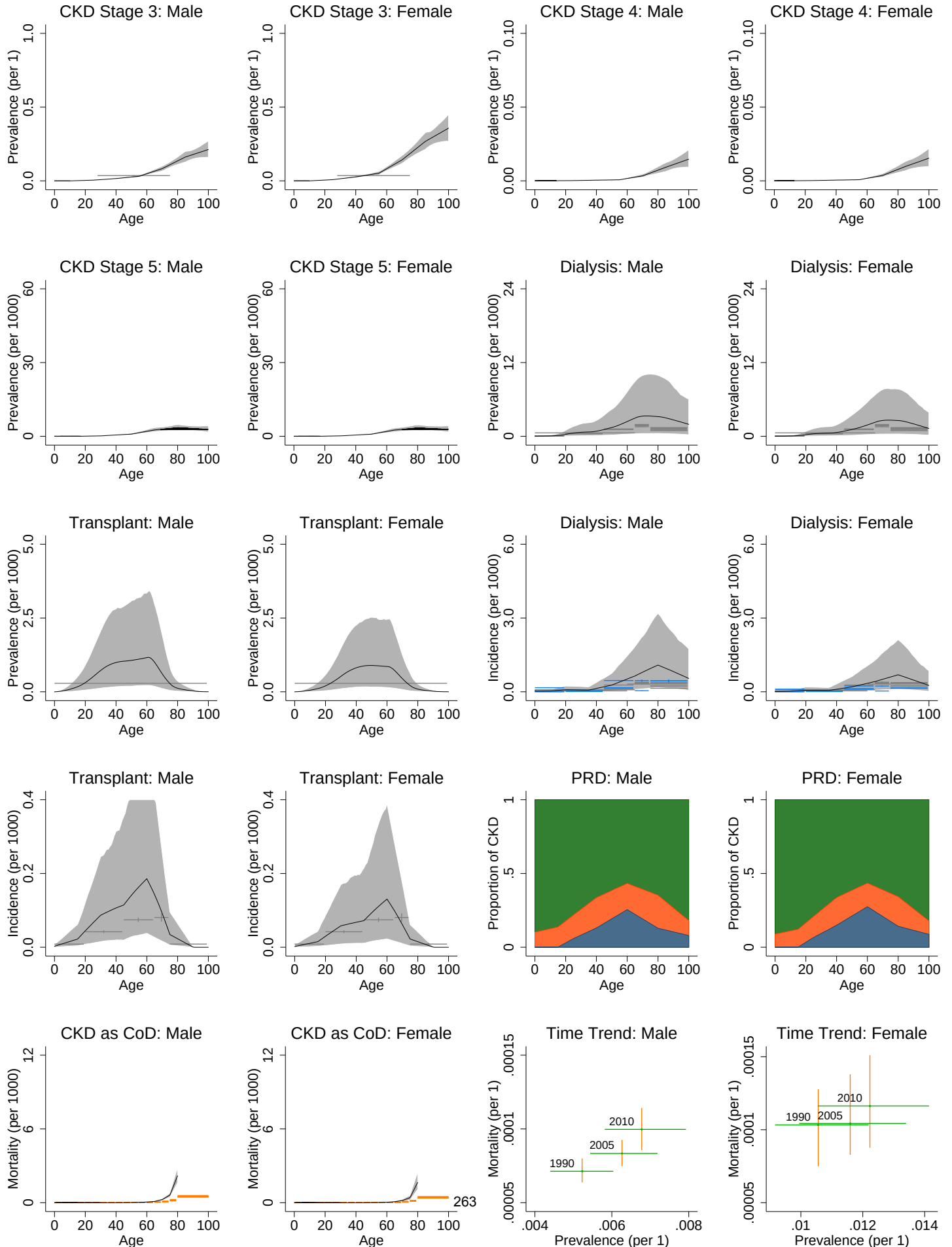
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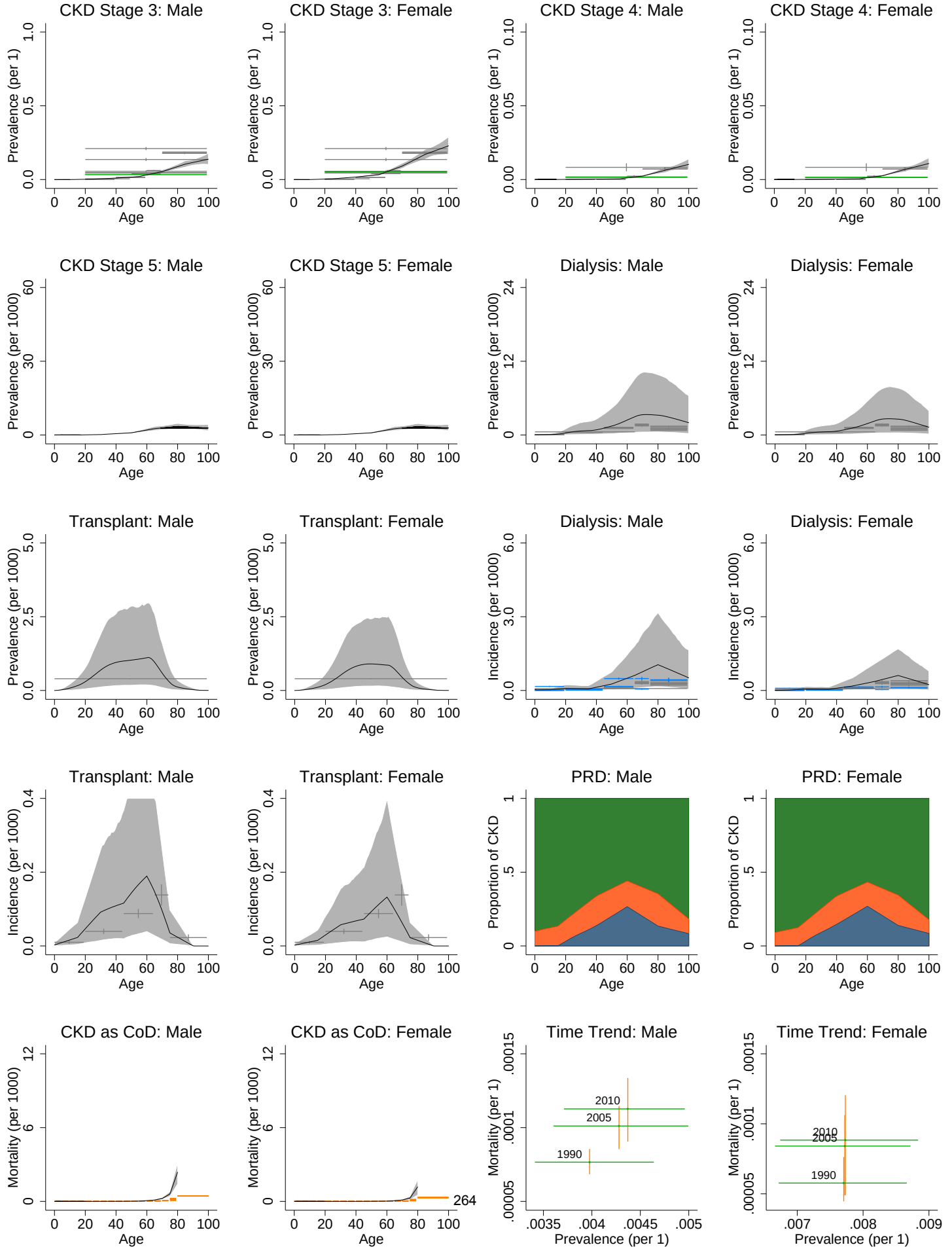
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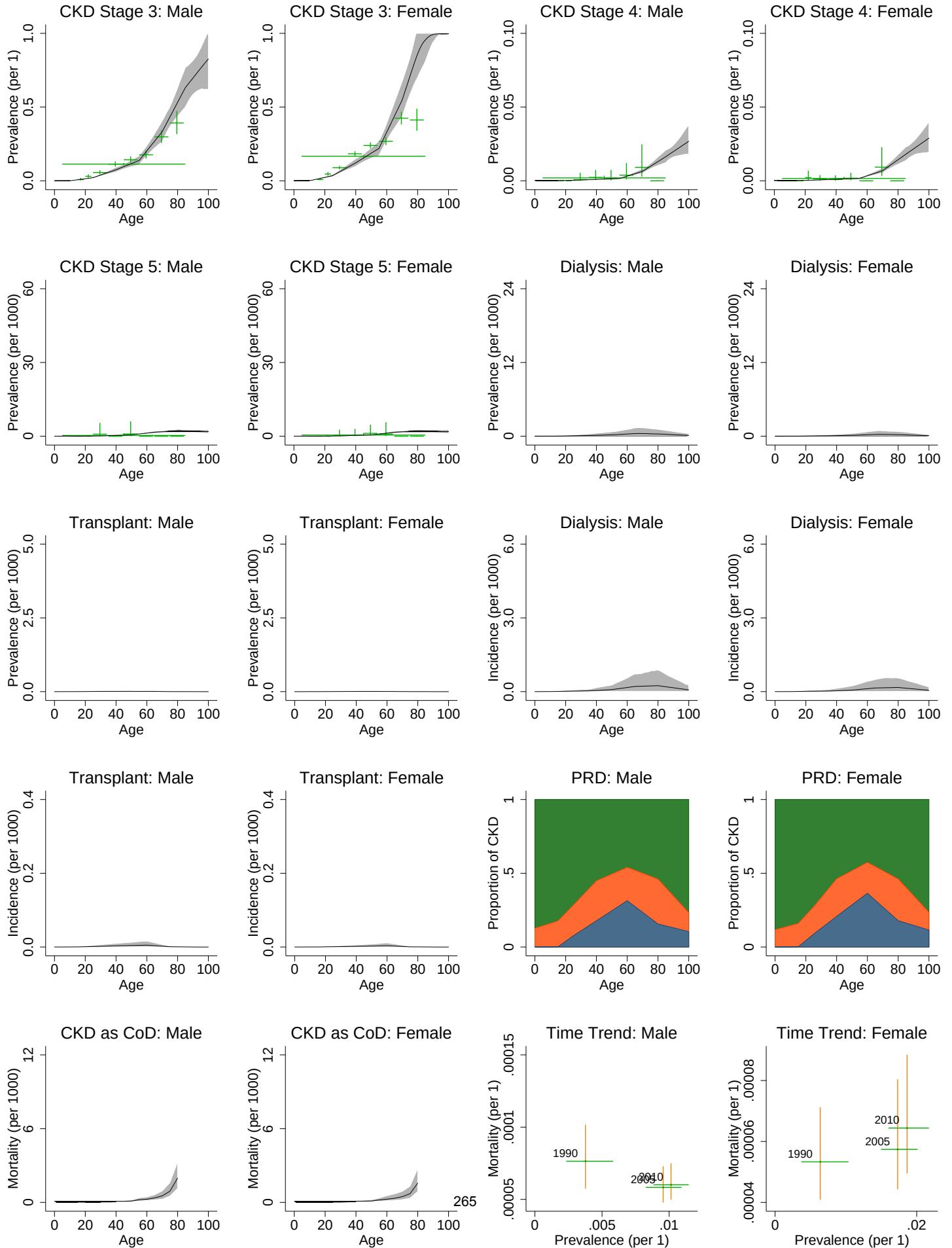
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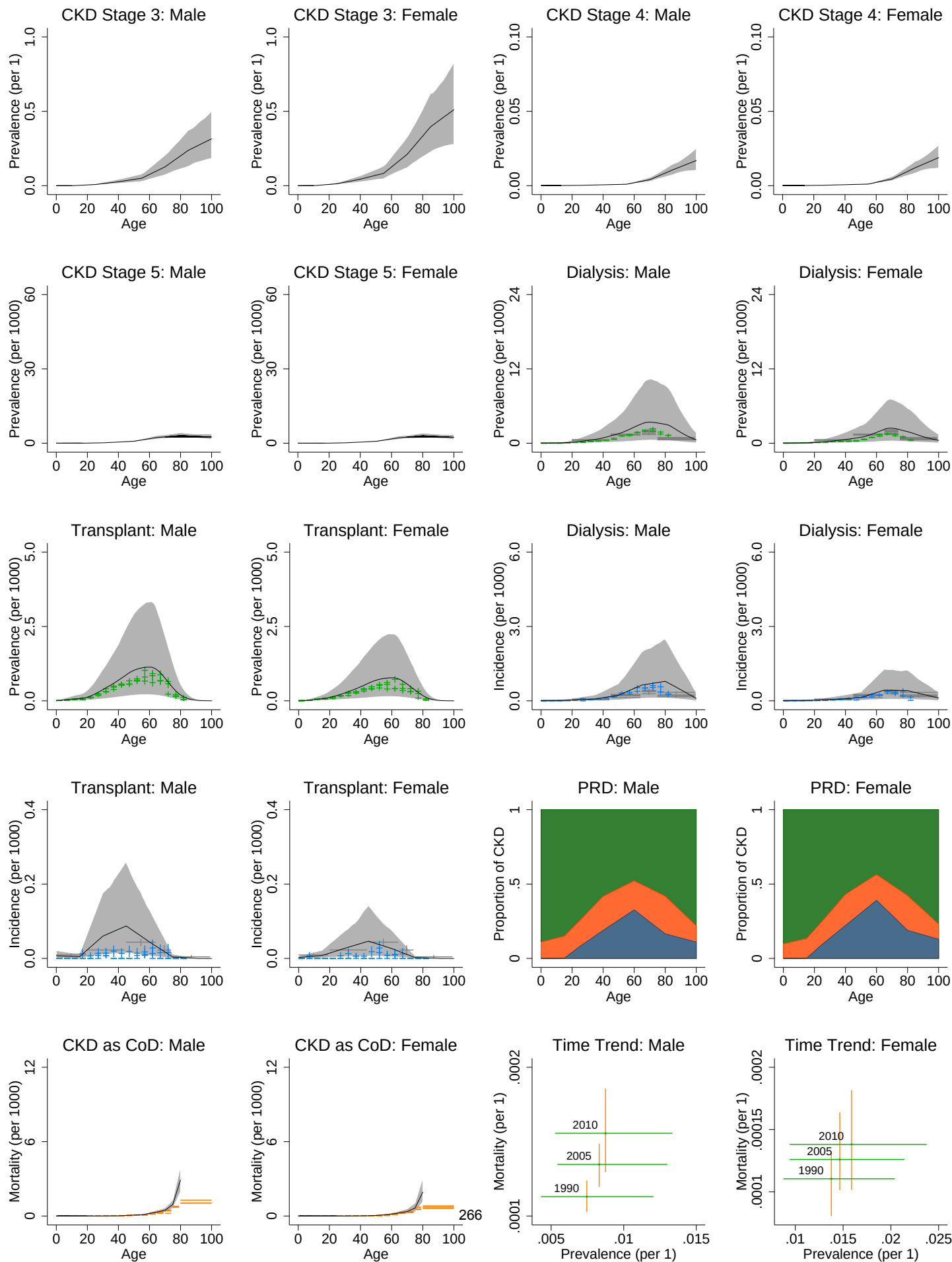
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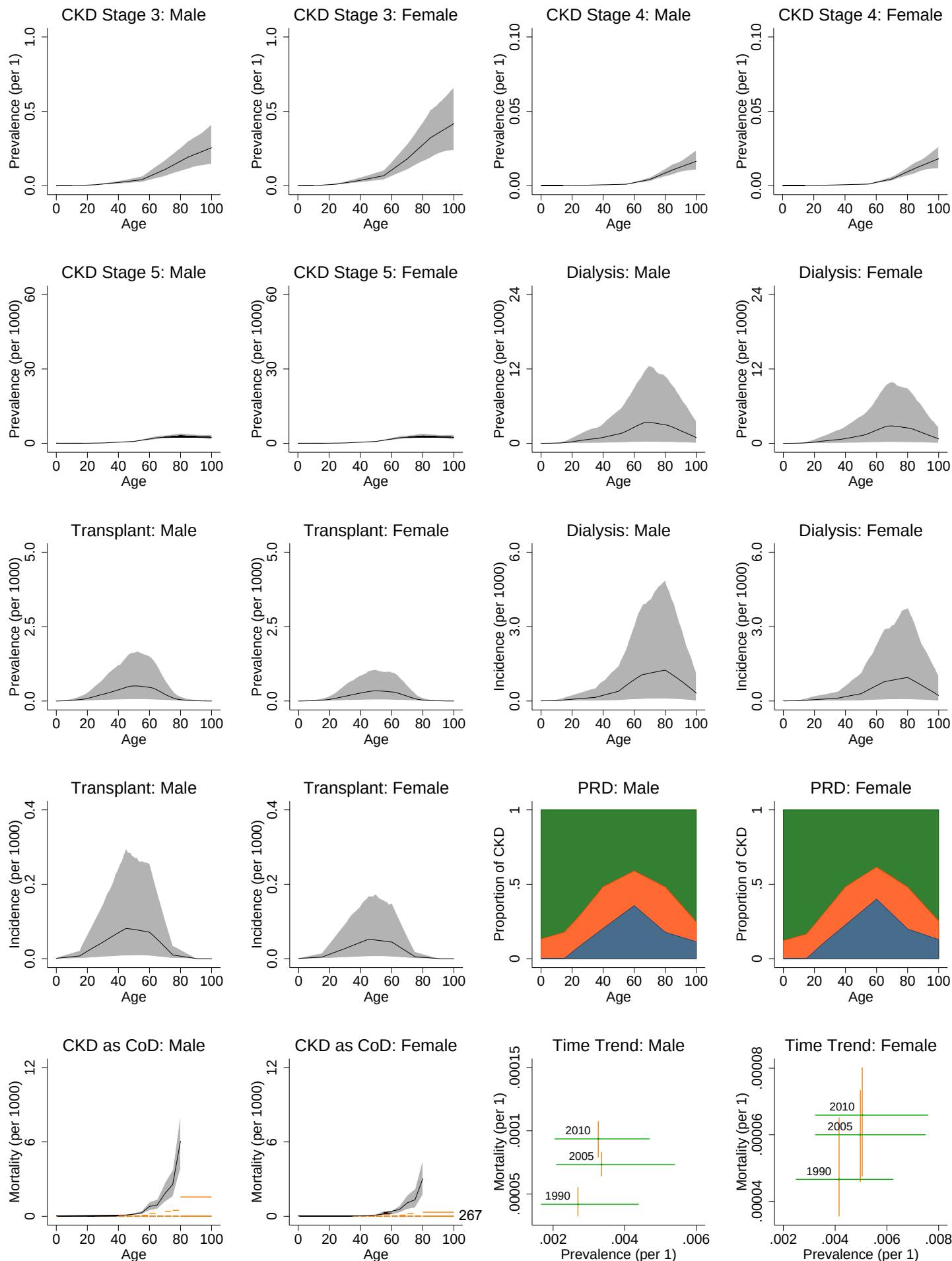
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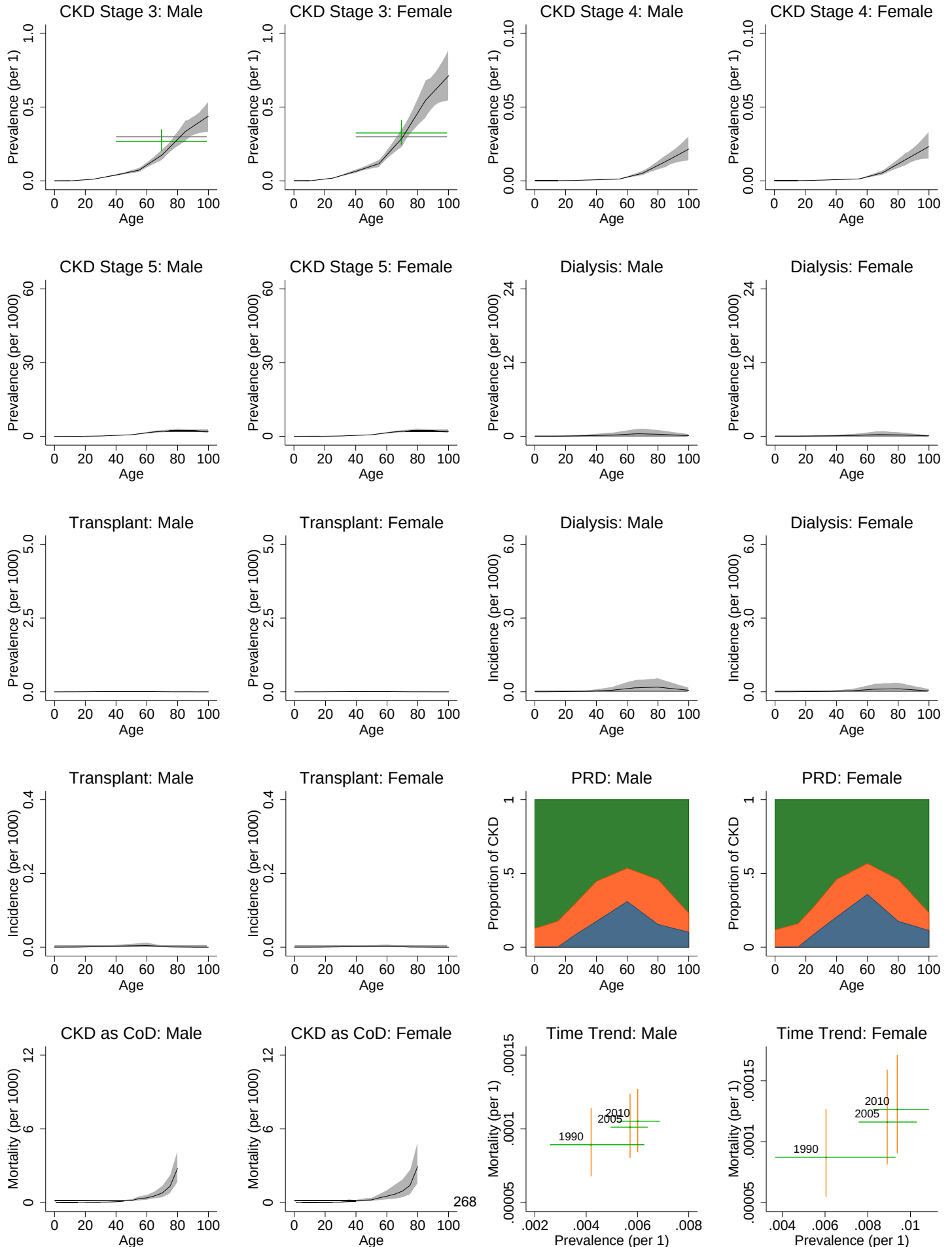
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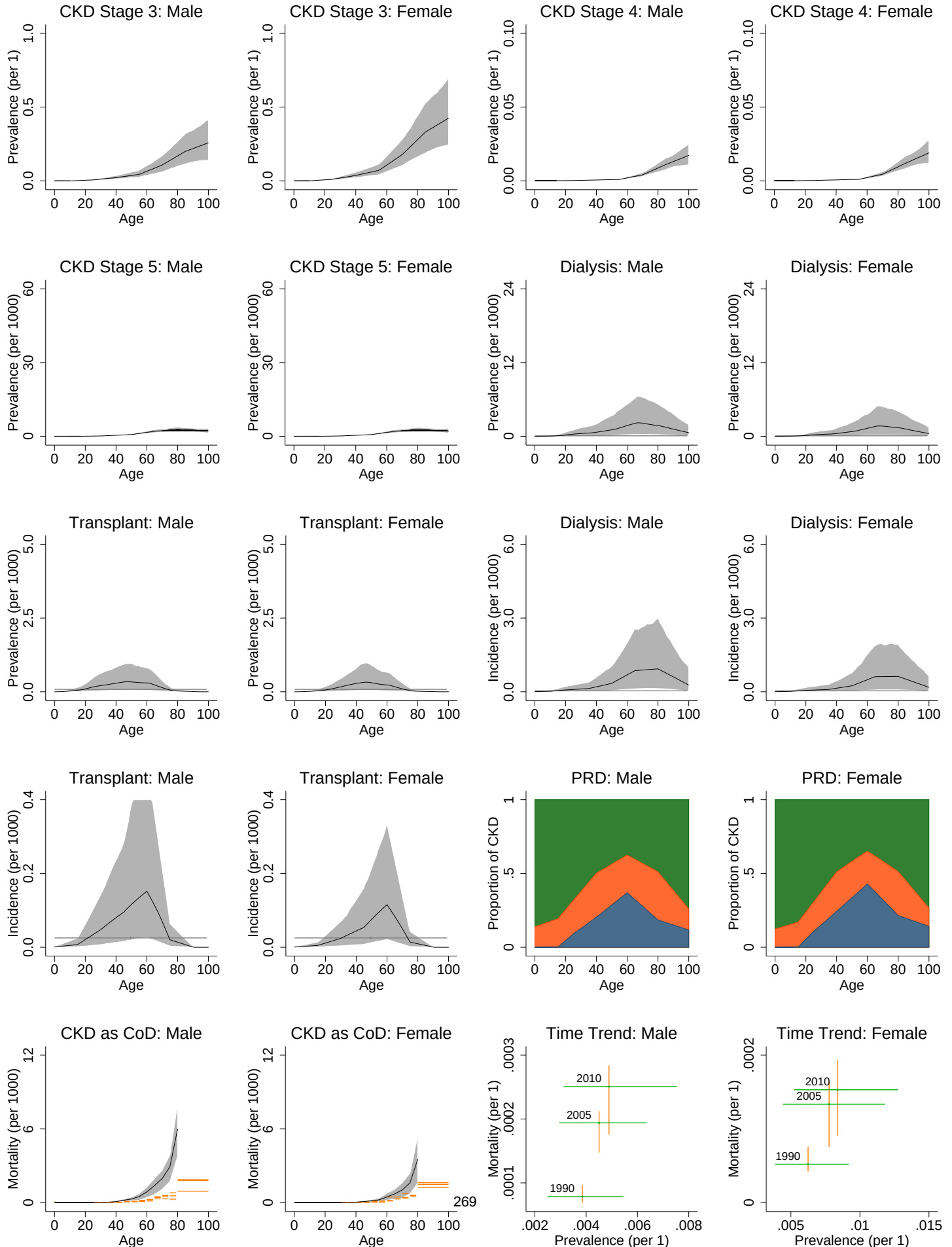
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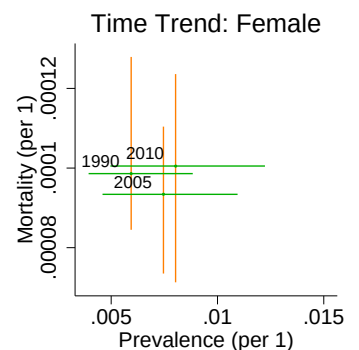
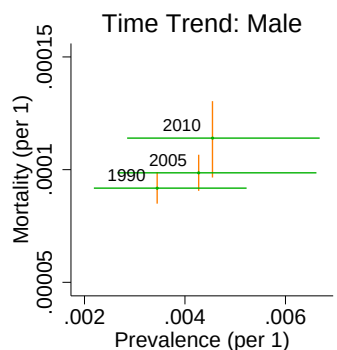
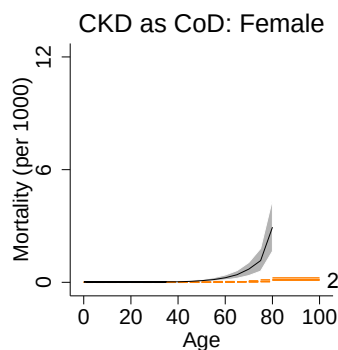
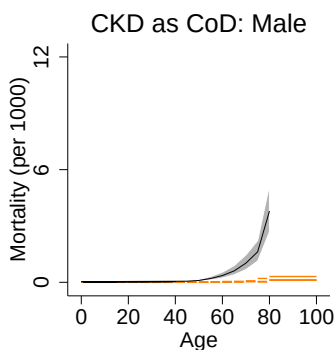
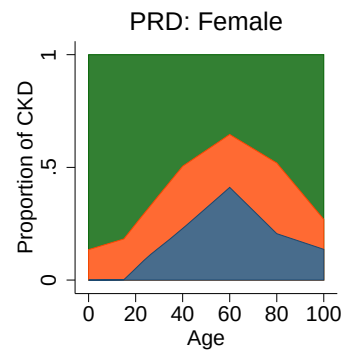
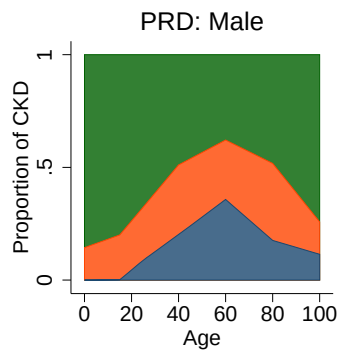
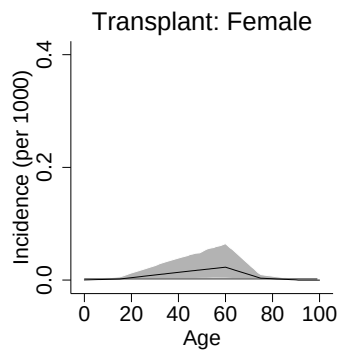
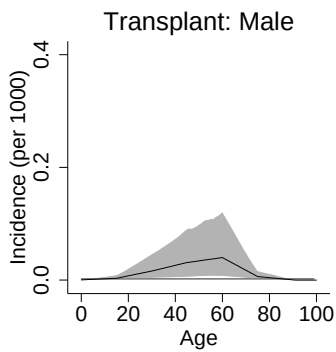
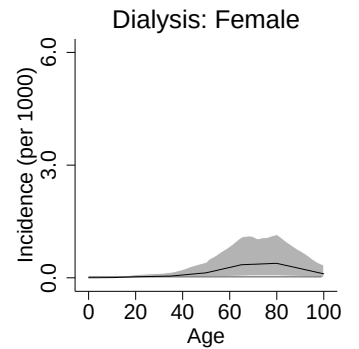
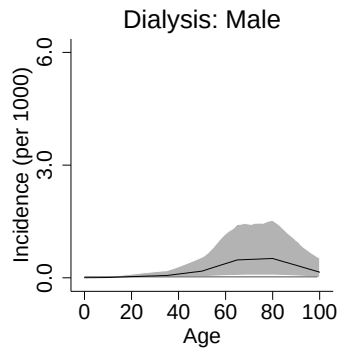
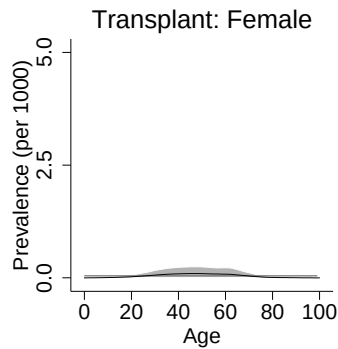
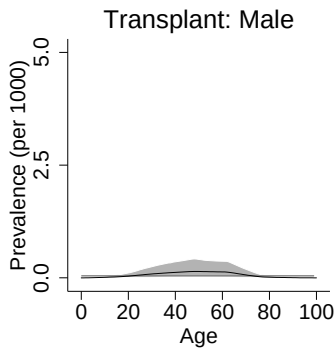
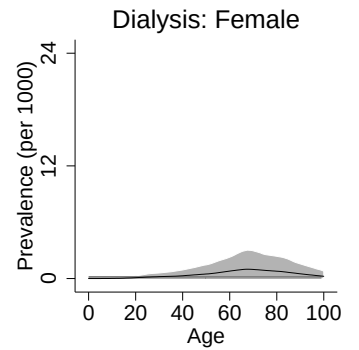
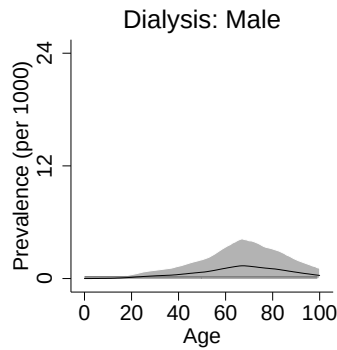
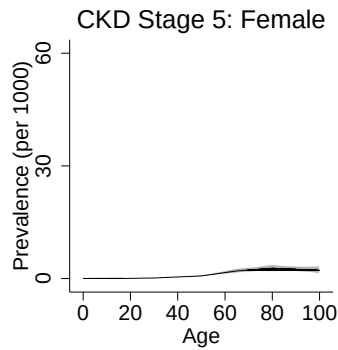
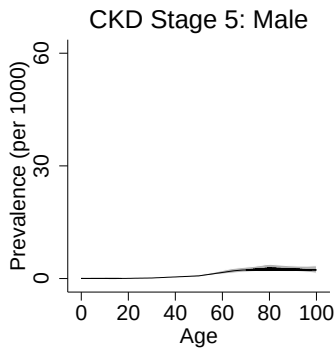
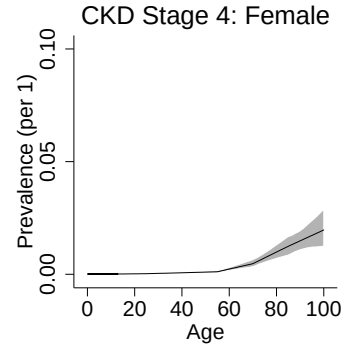
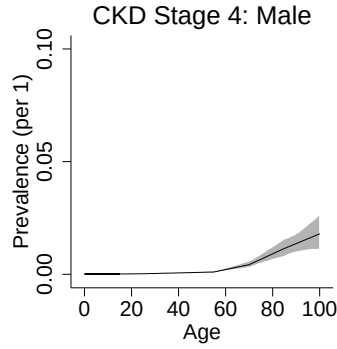
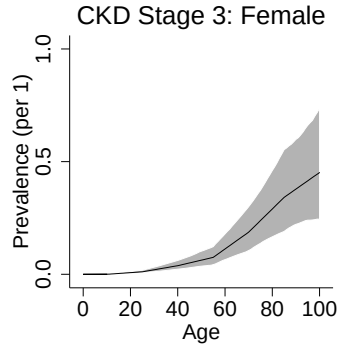
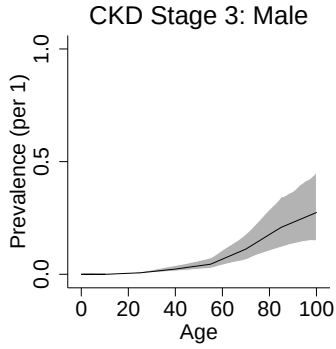
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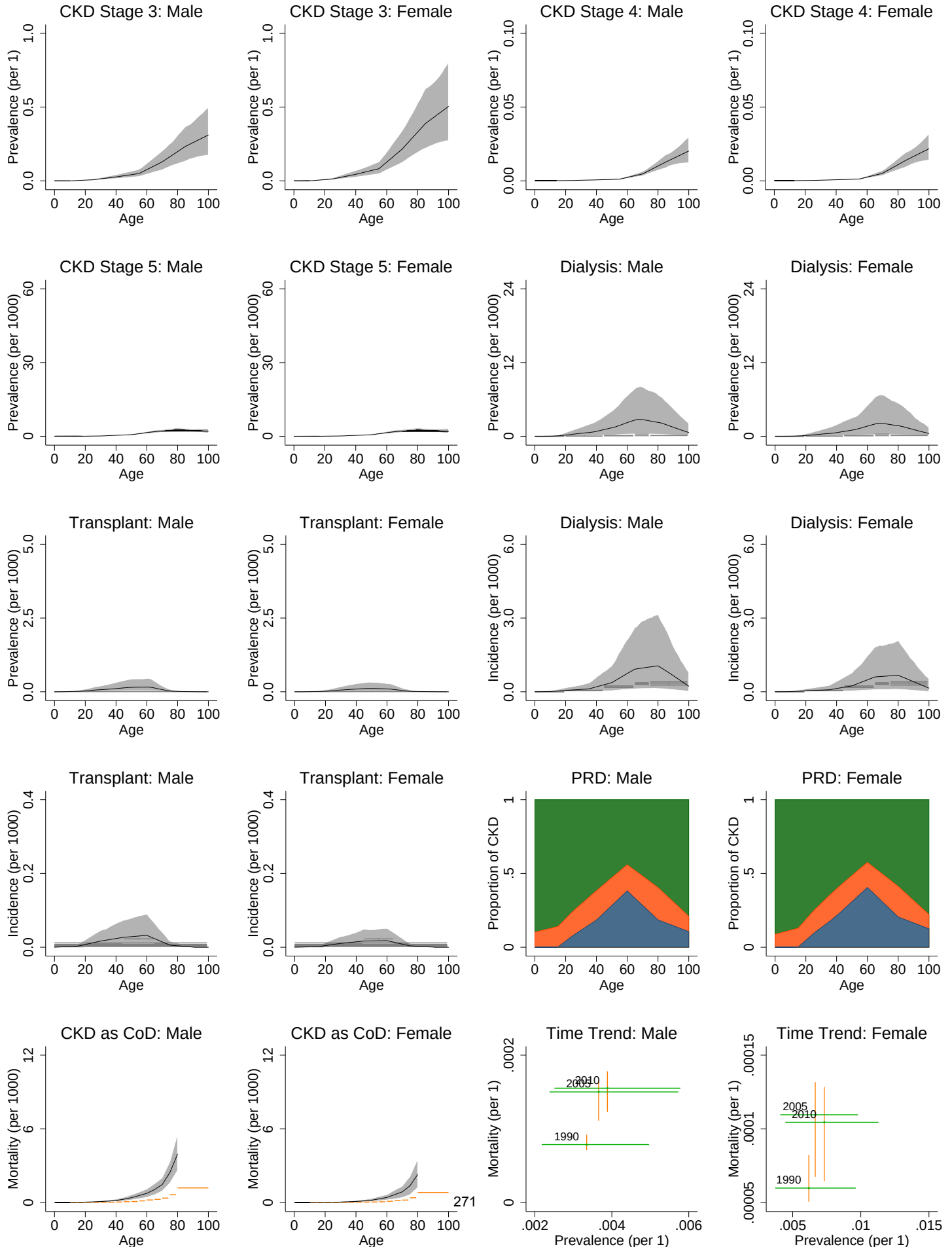
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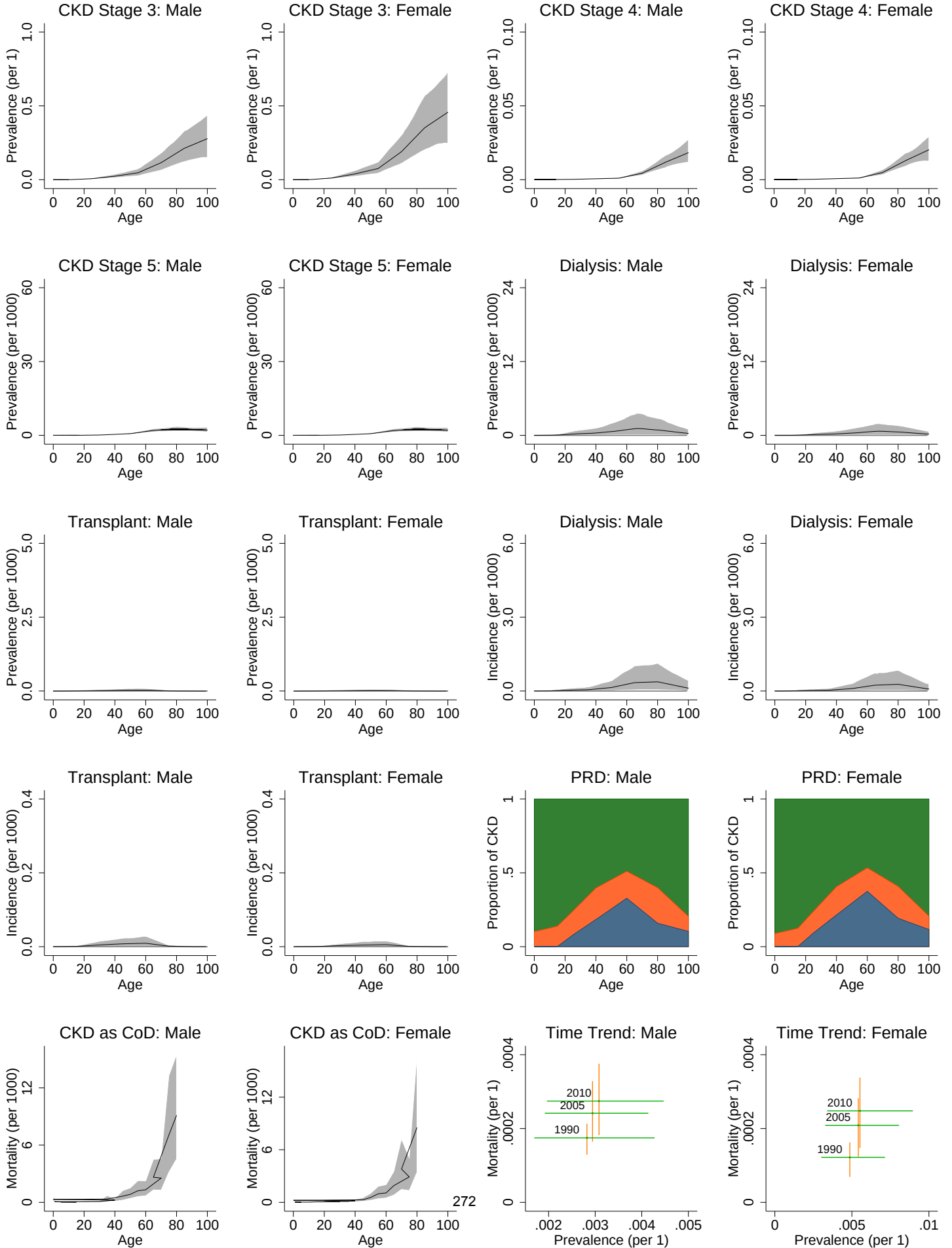
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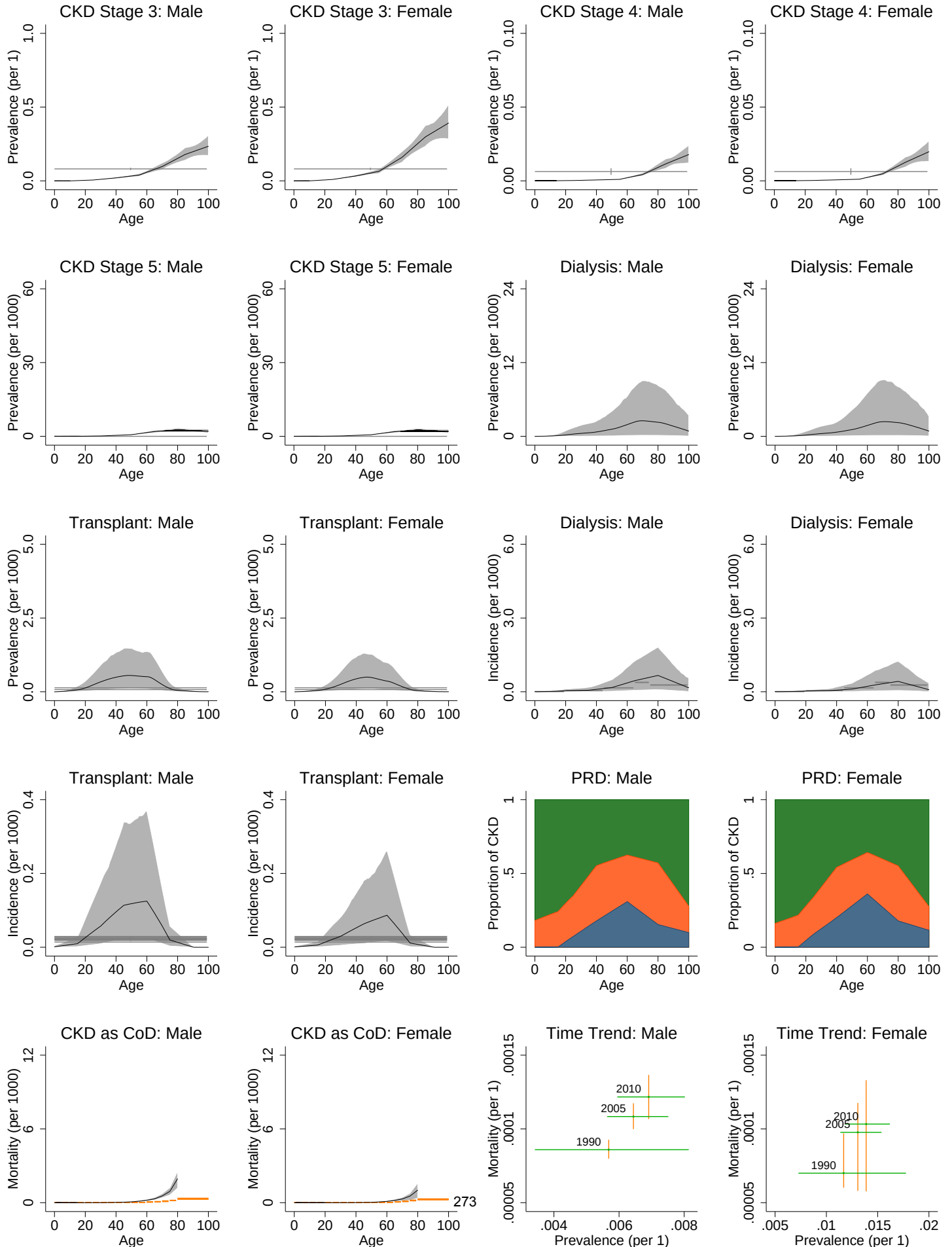
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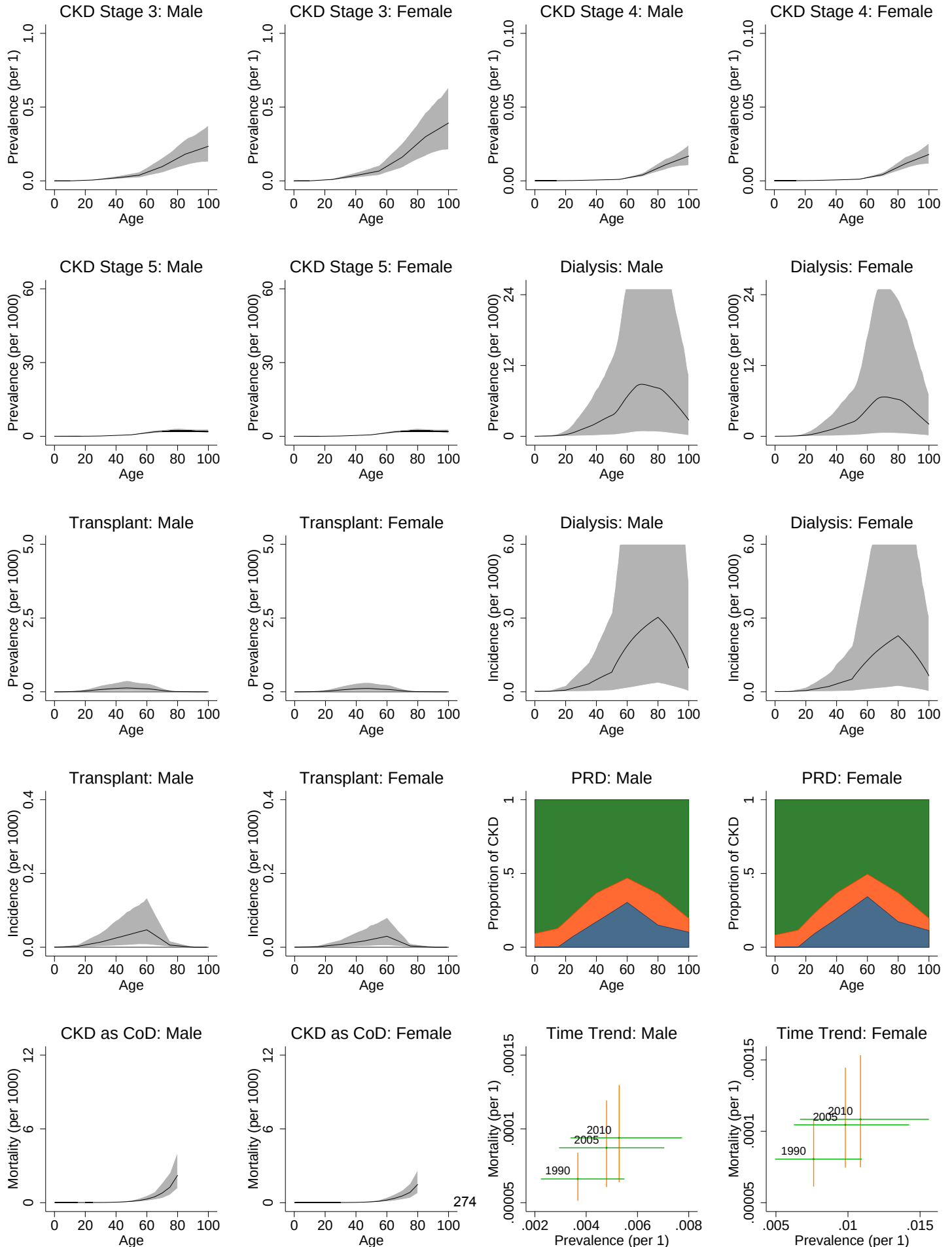
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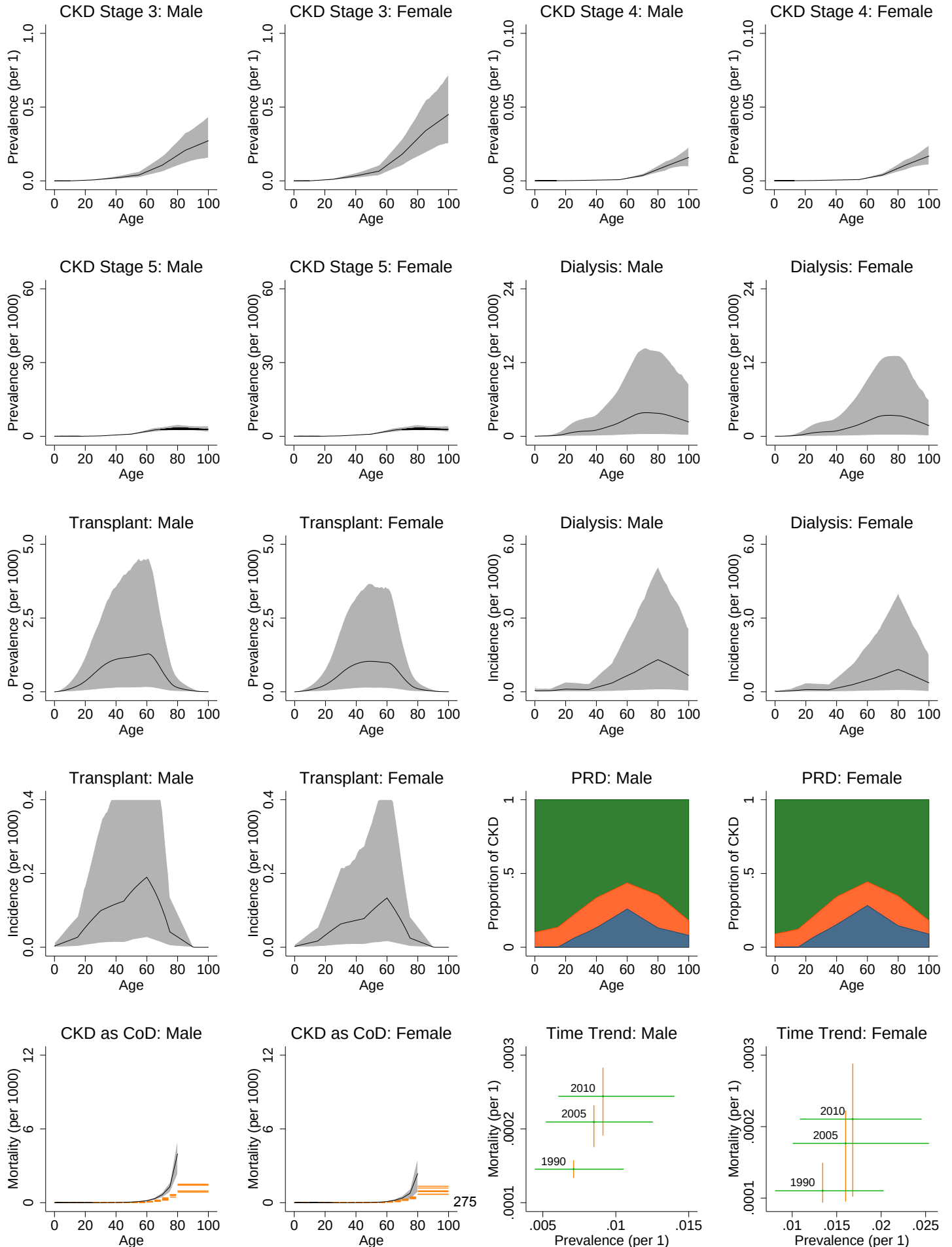
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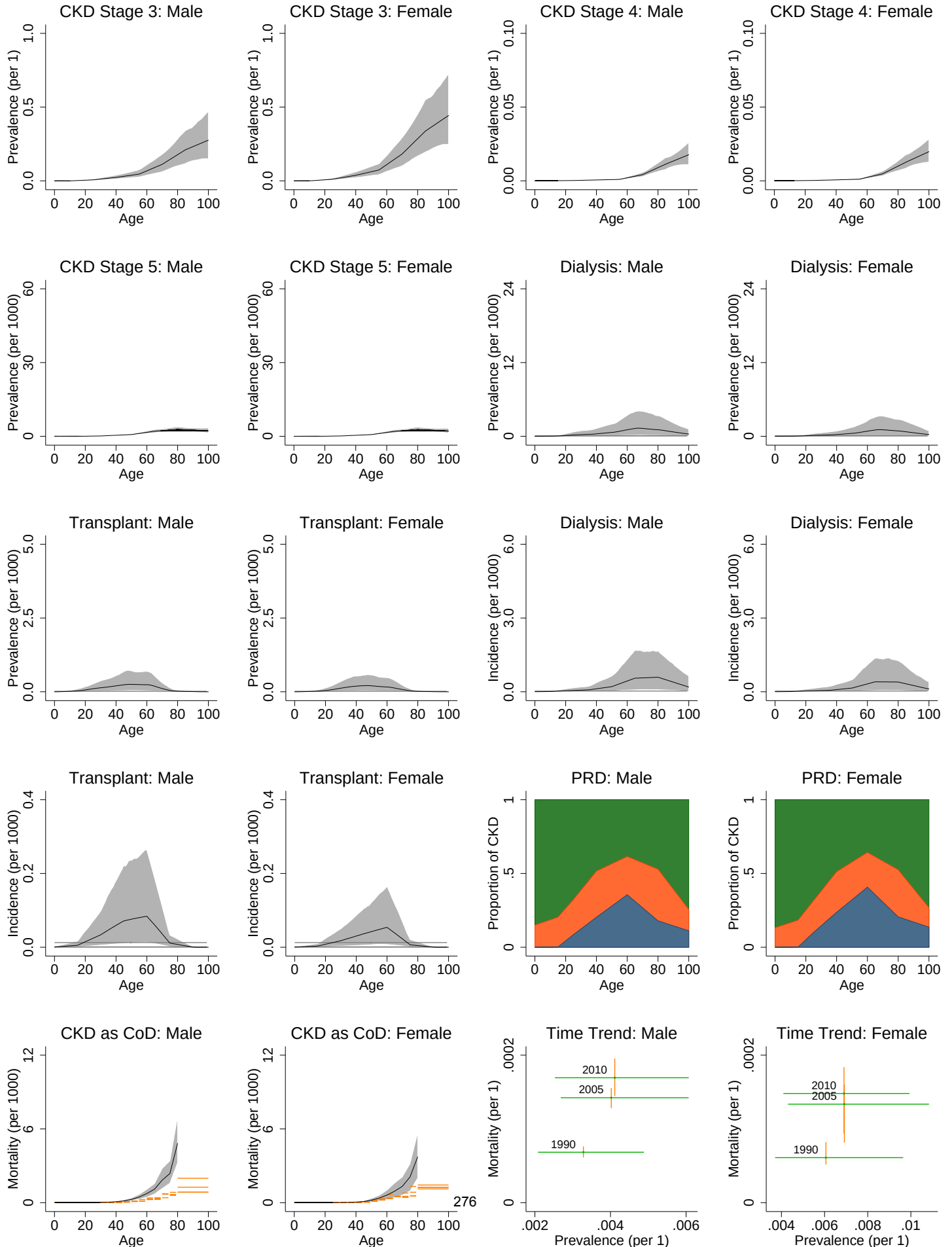
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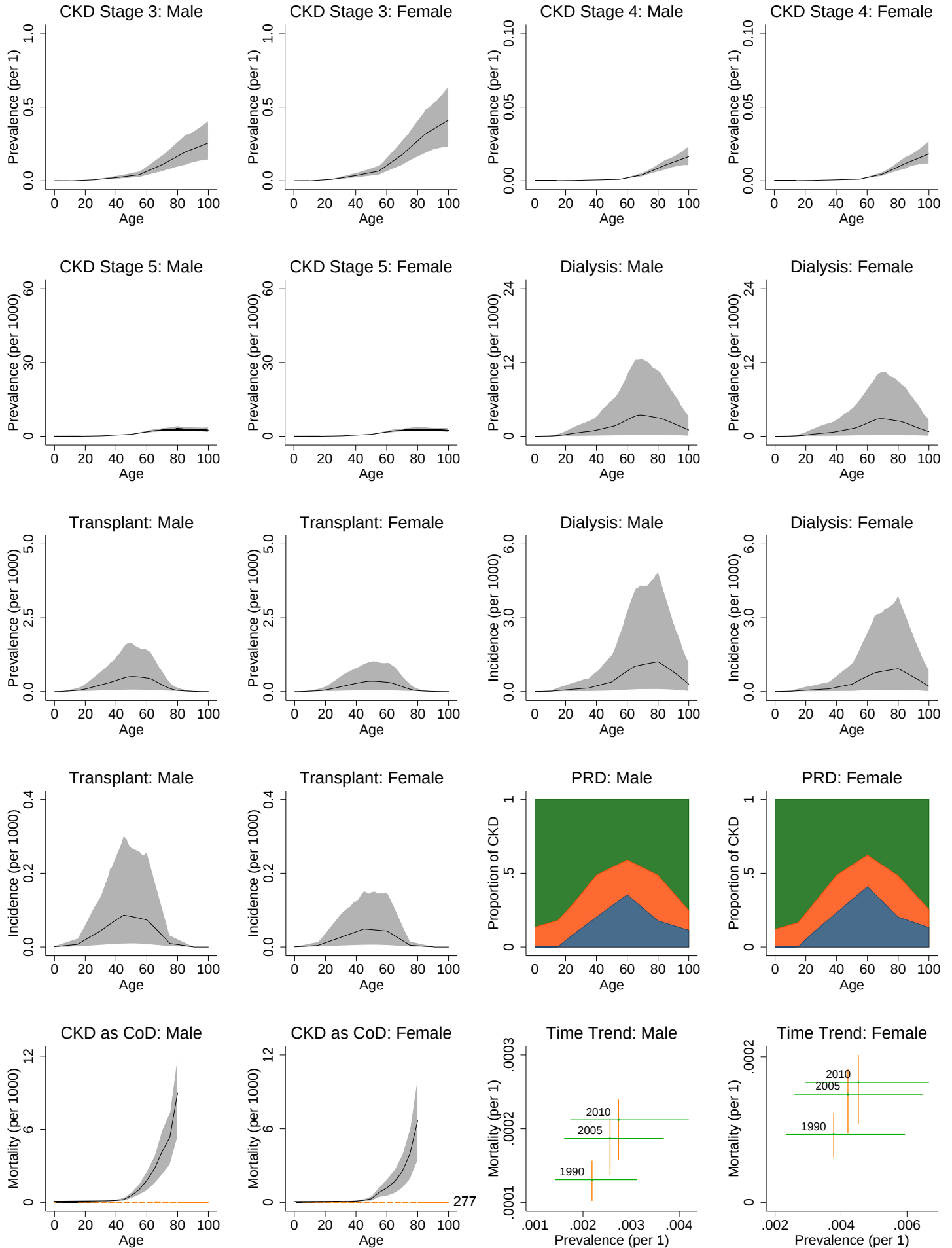
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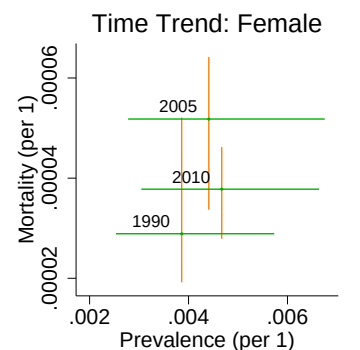
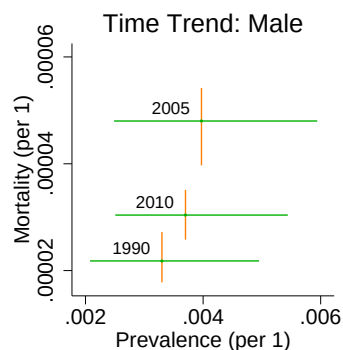
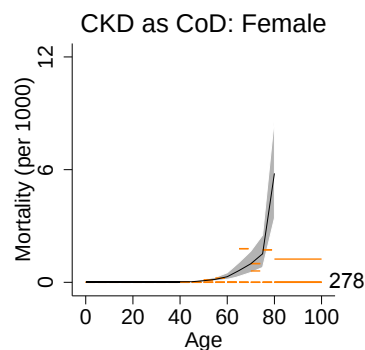
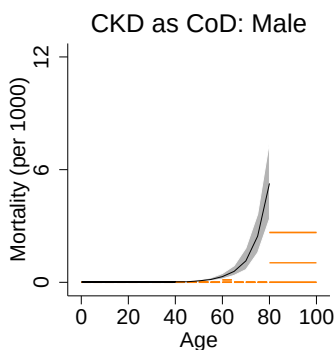
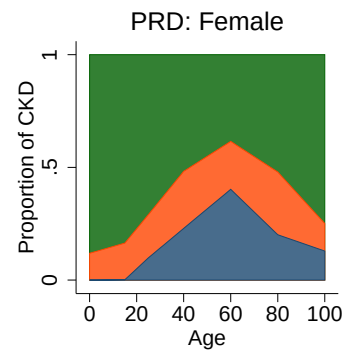
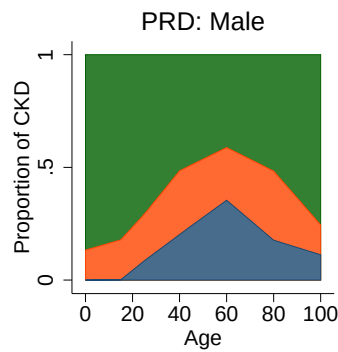
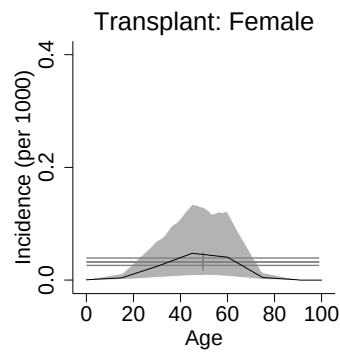
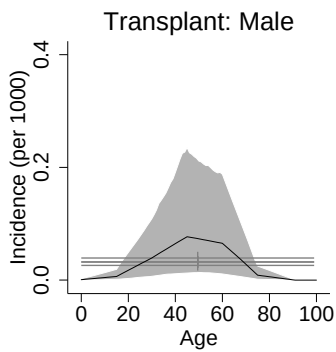
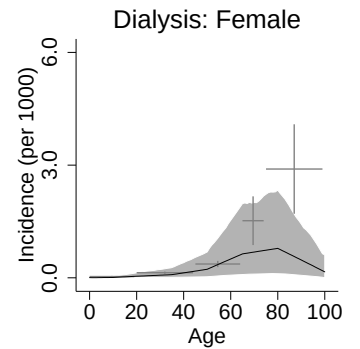
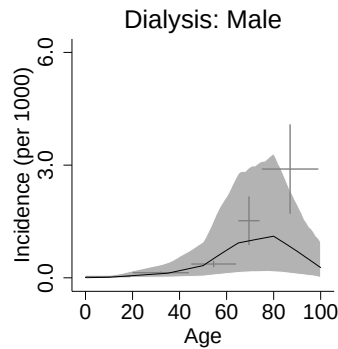
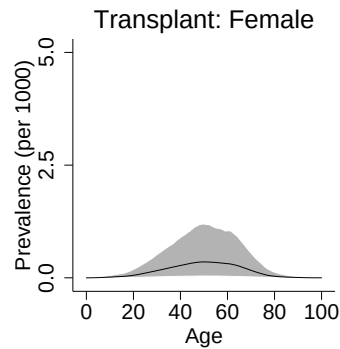
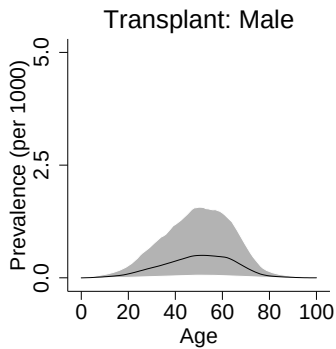
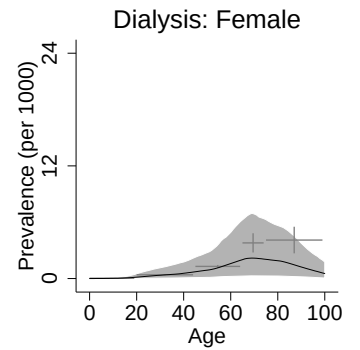
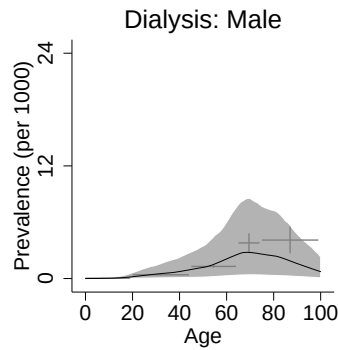
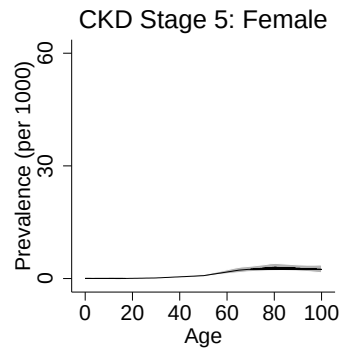
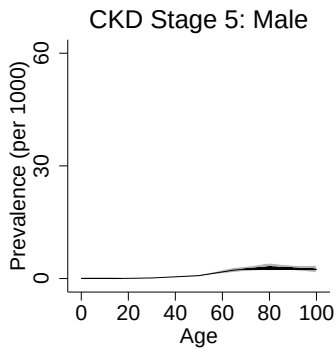
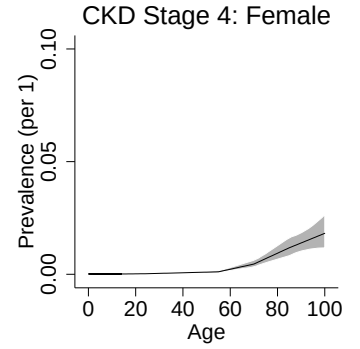
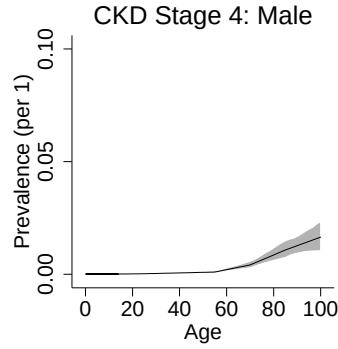
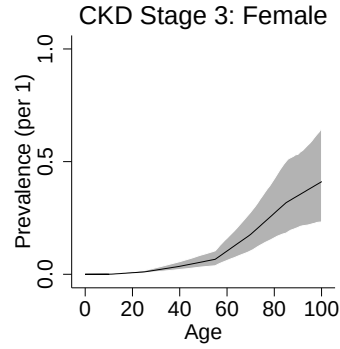
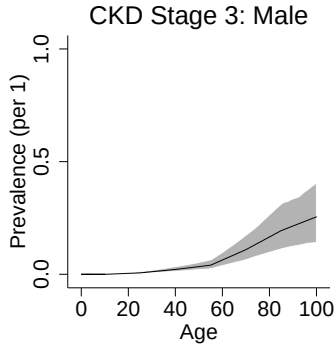
PRY 2010 Estimates



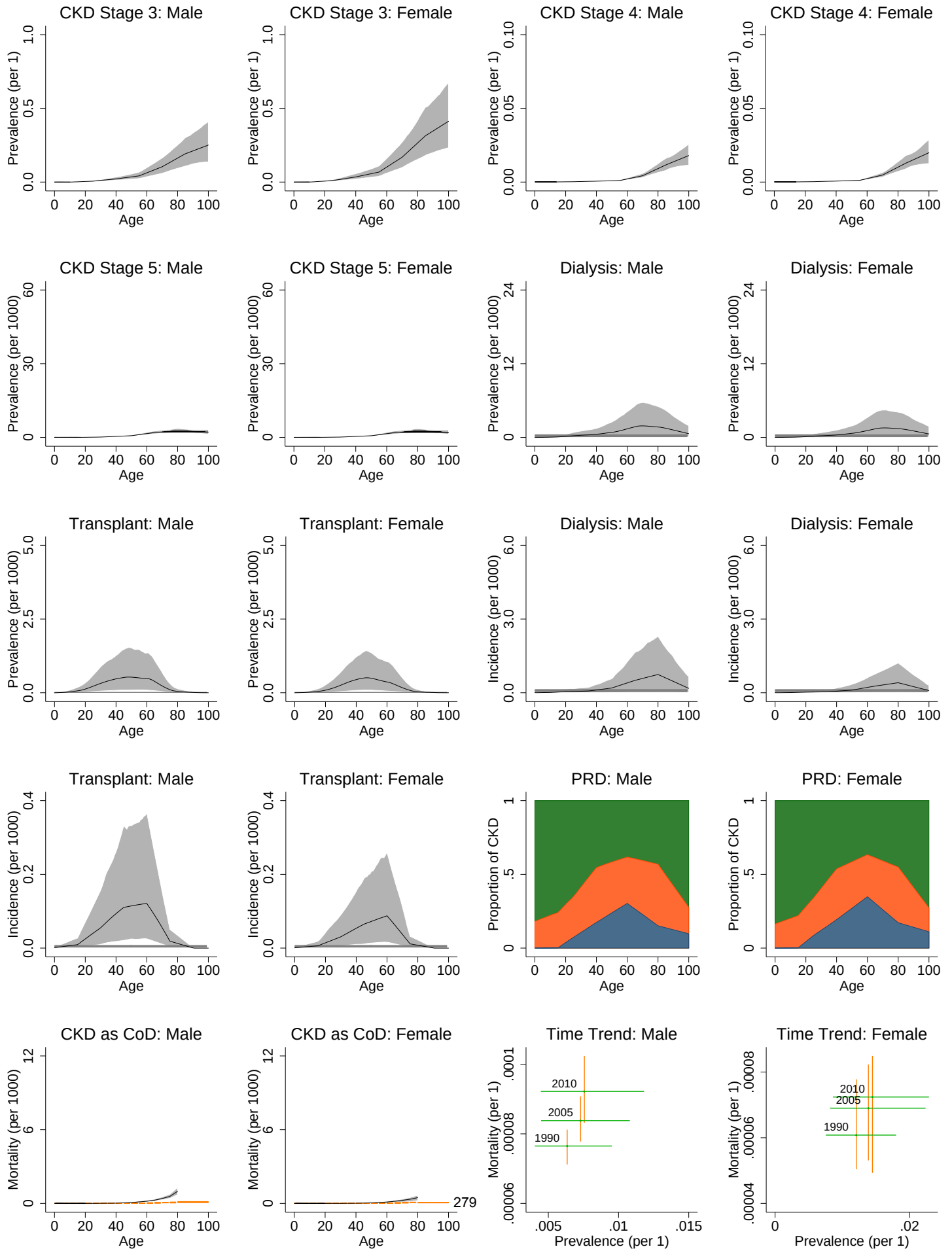
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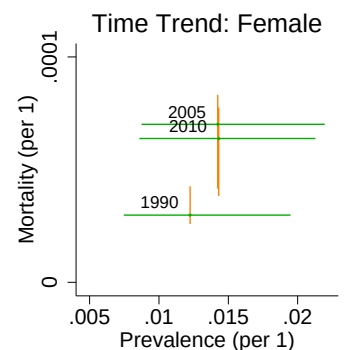
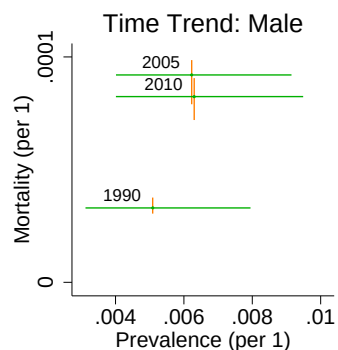
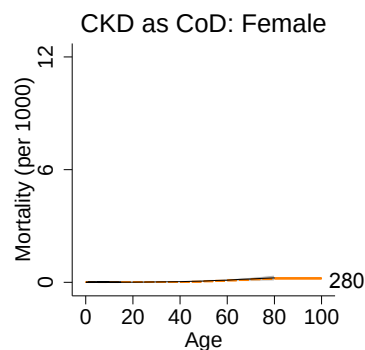
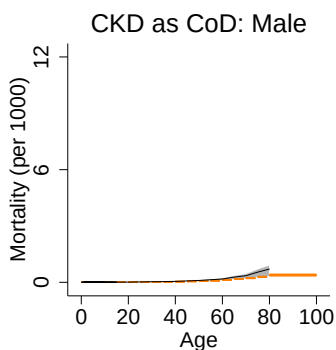
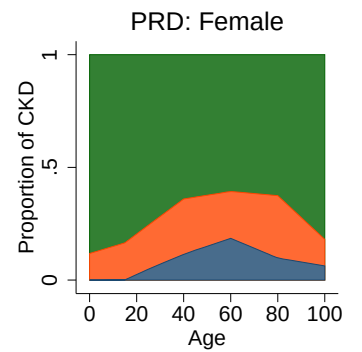
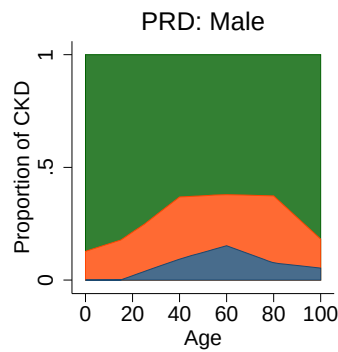
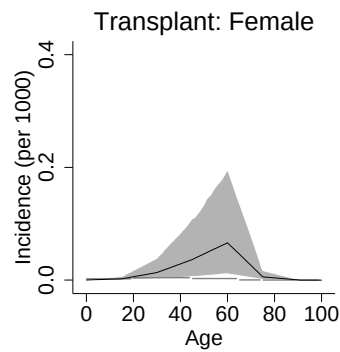
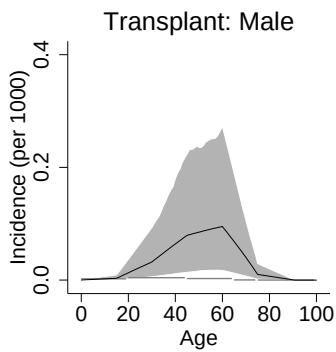
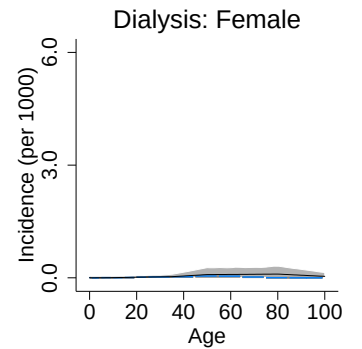
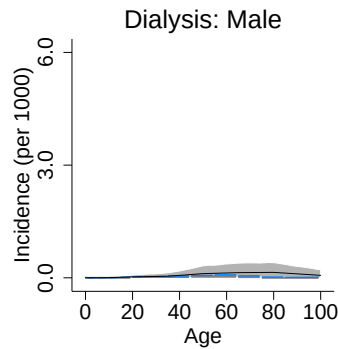
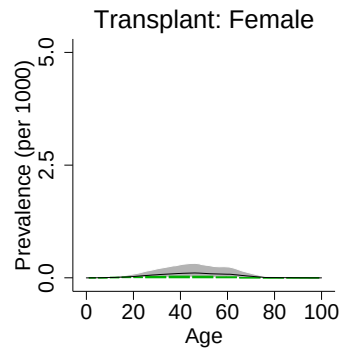
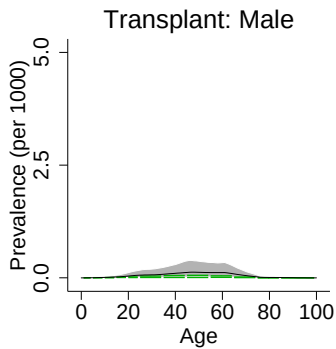
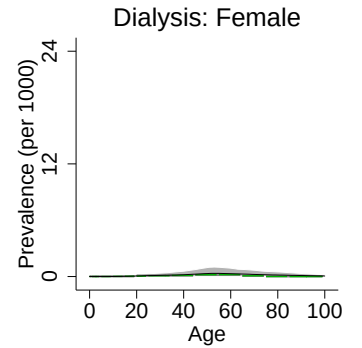
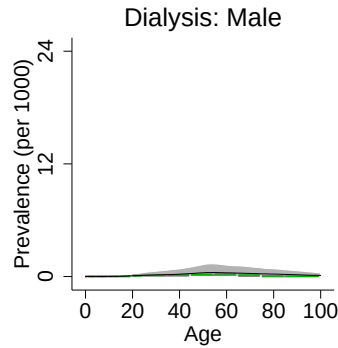
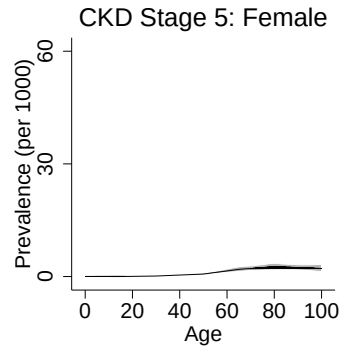
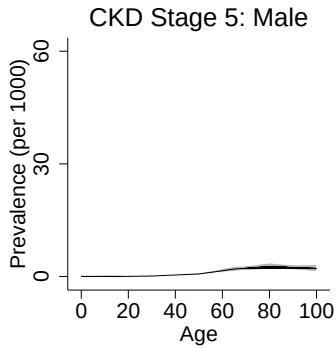
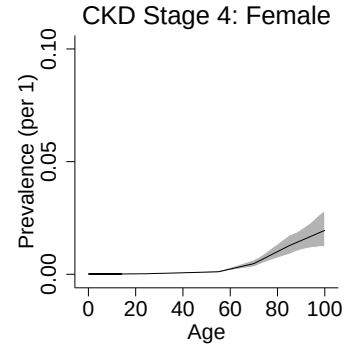
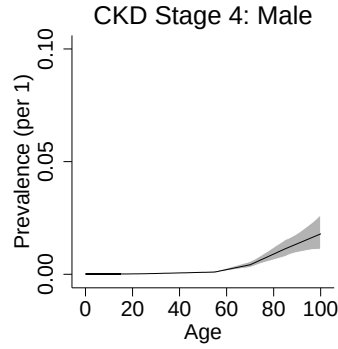
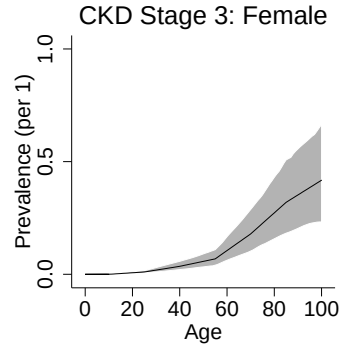
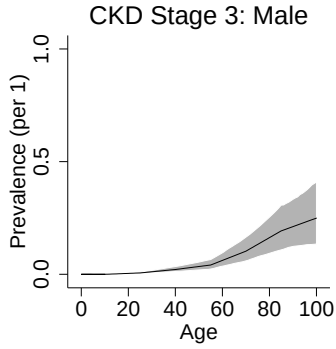
QAT 2010 Estimates



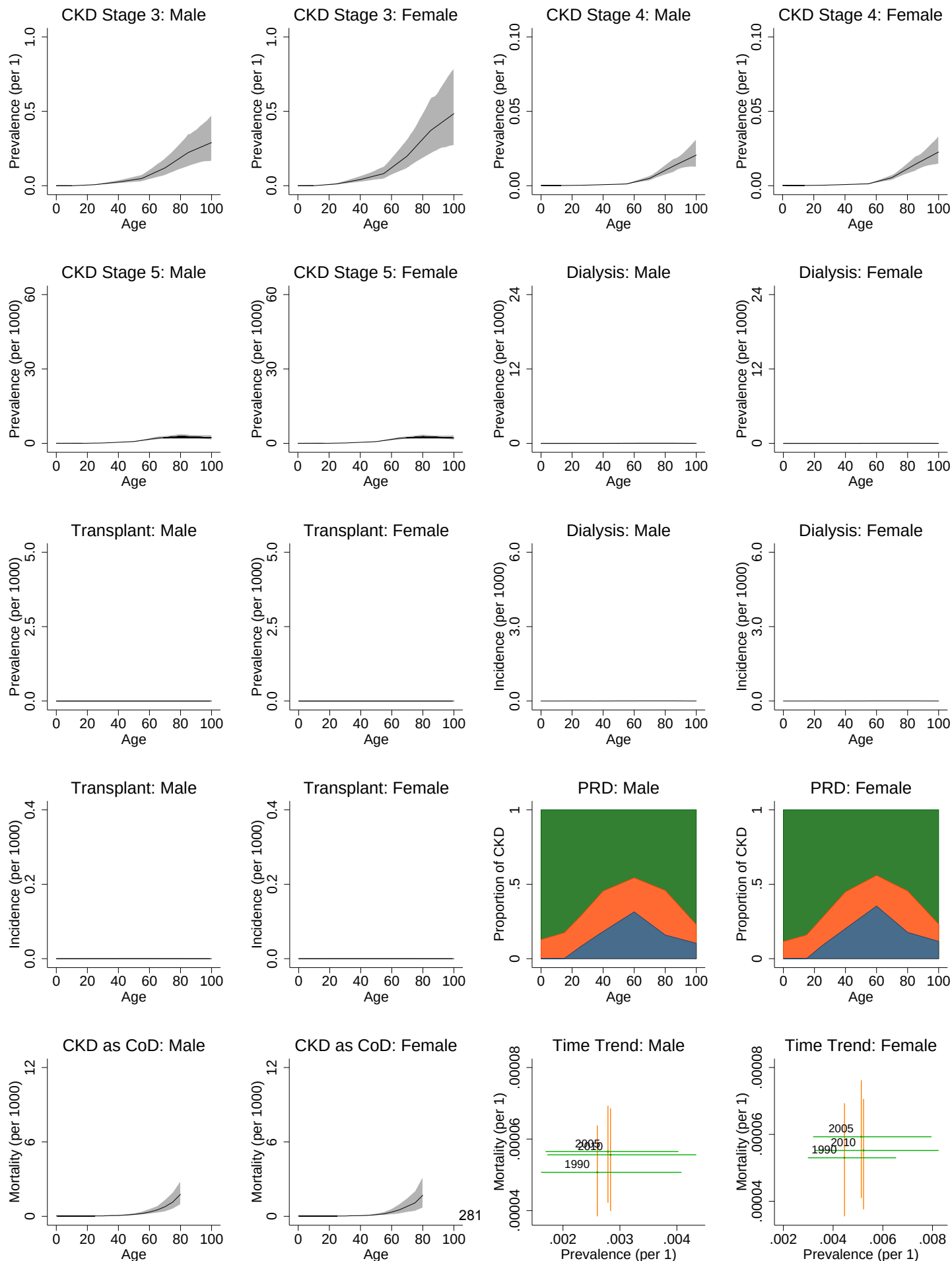
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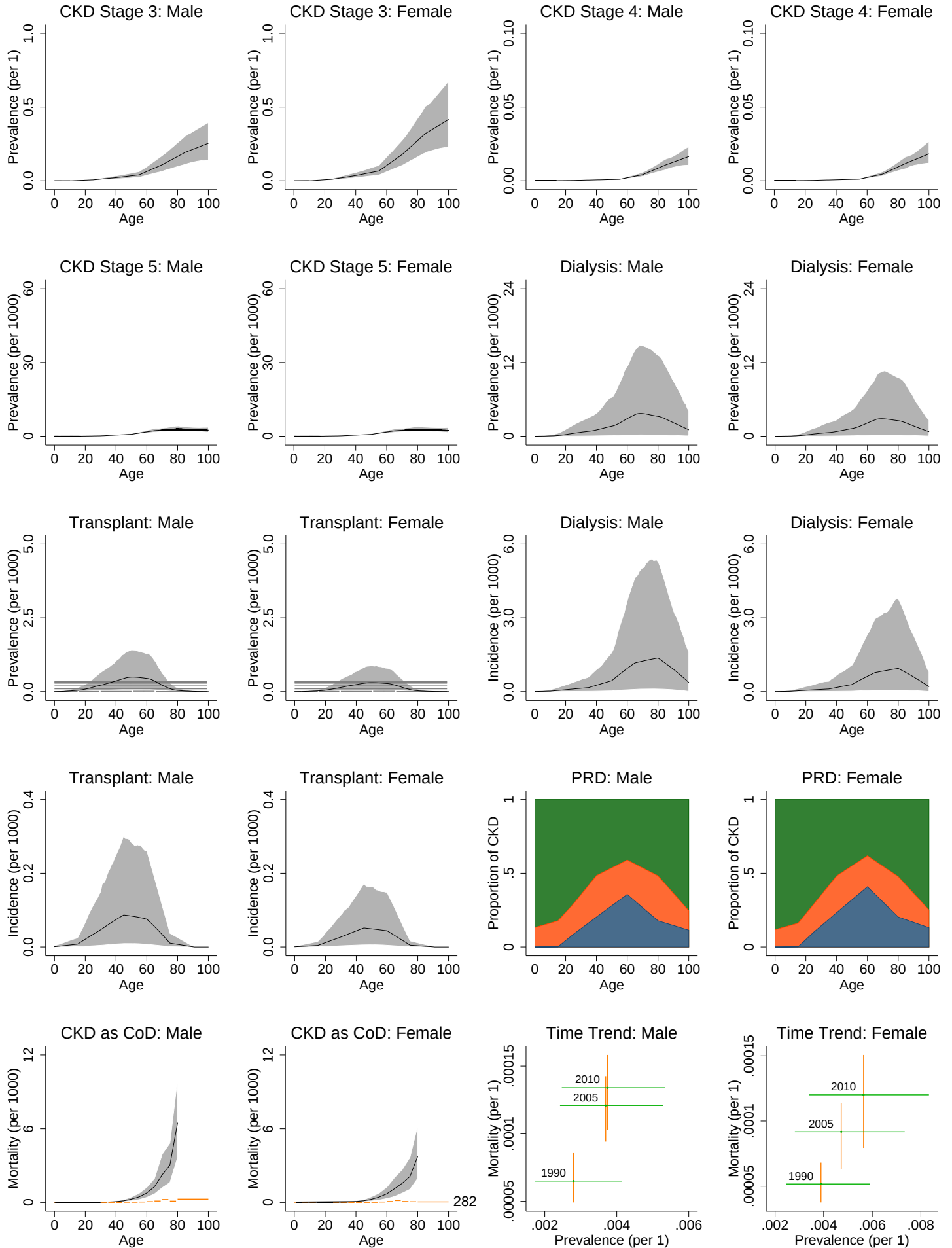
RUS 2010 Estimates



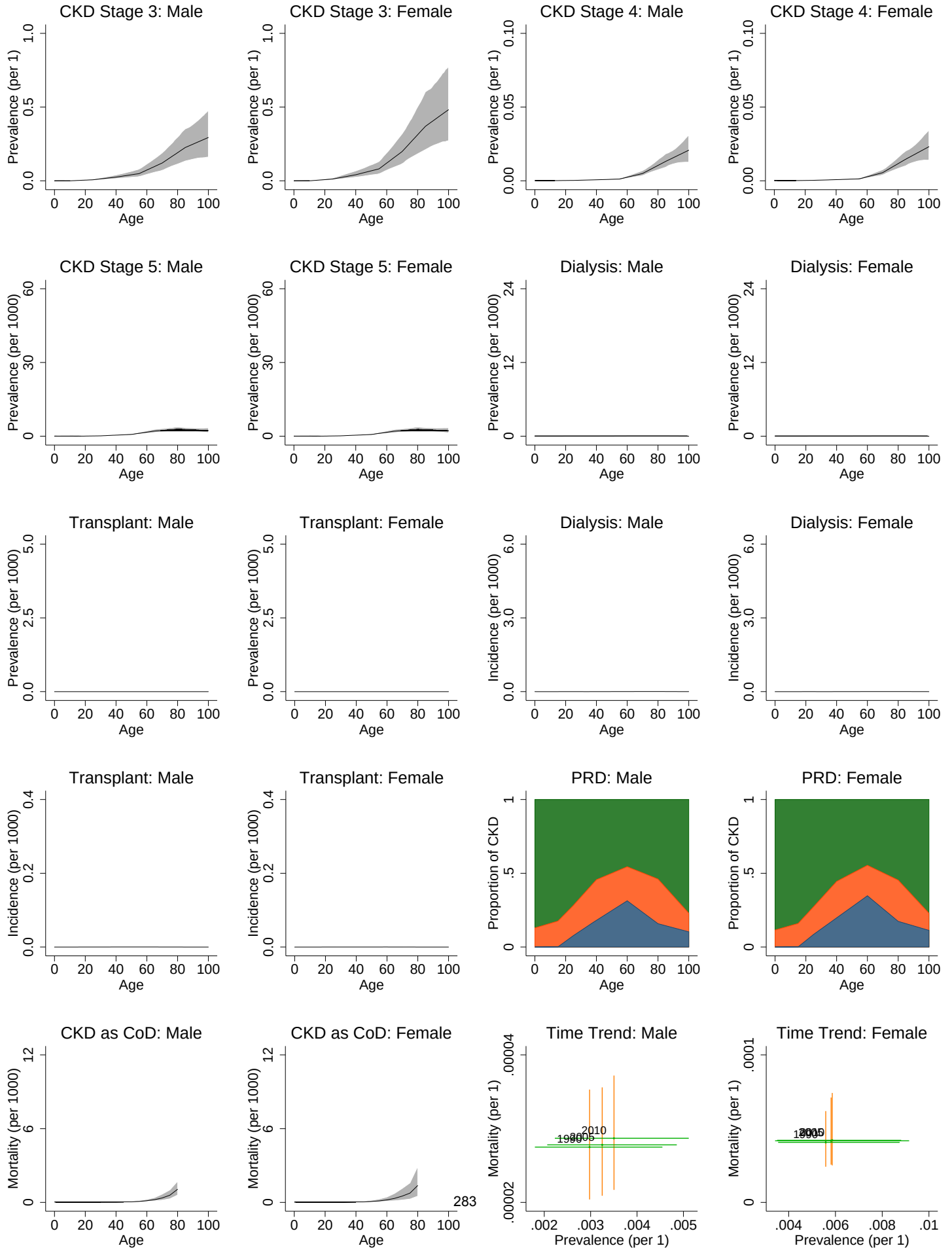
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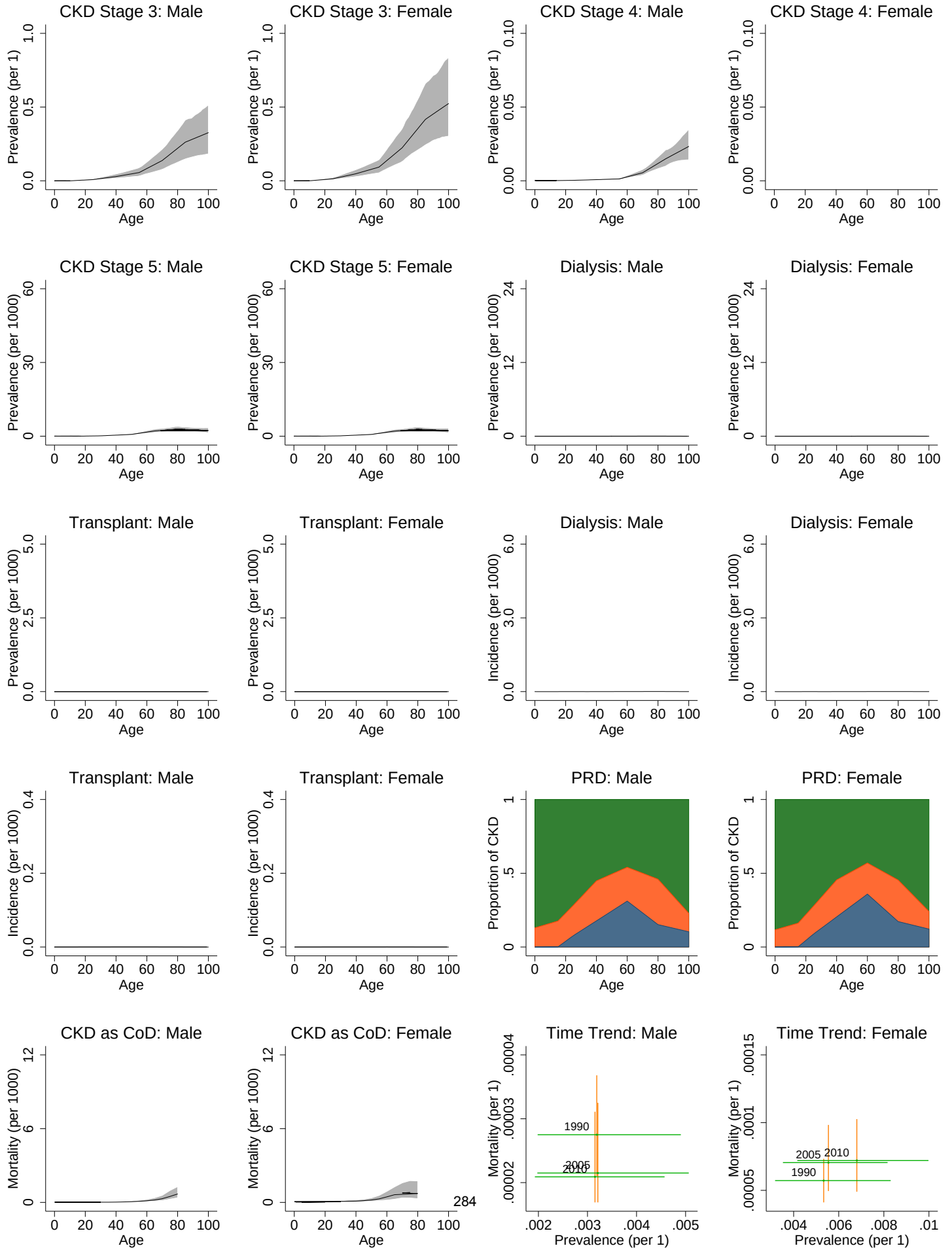
SAU 2010 Estimates



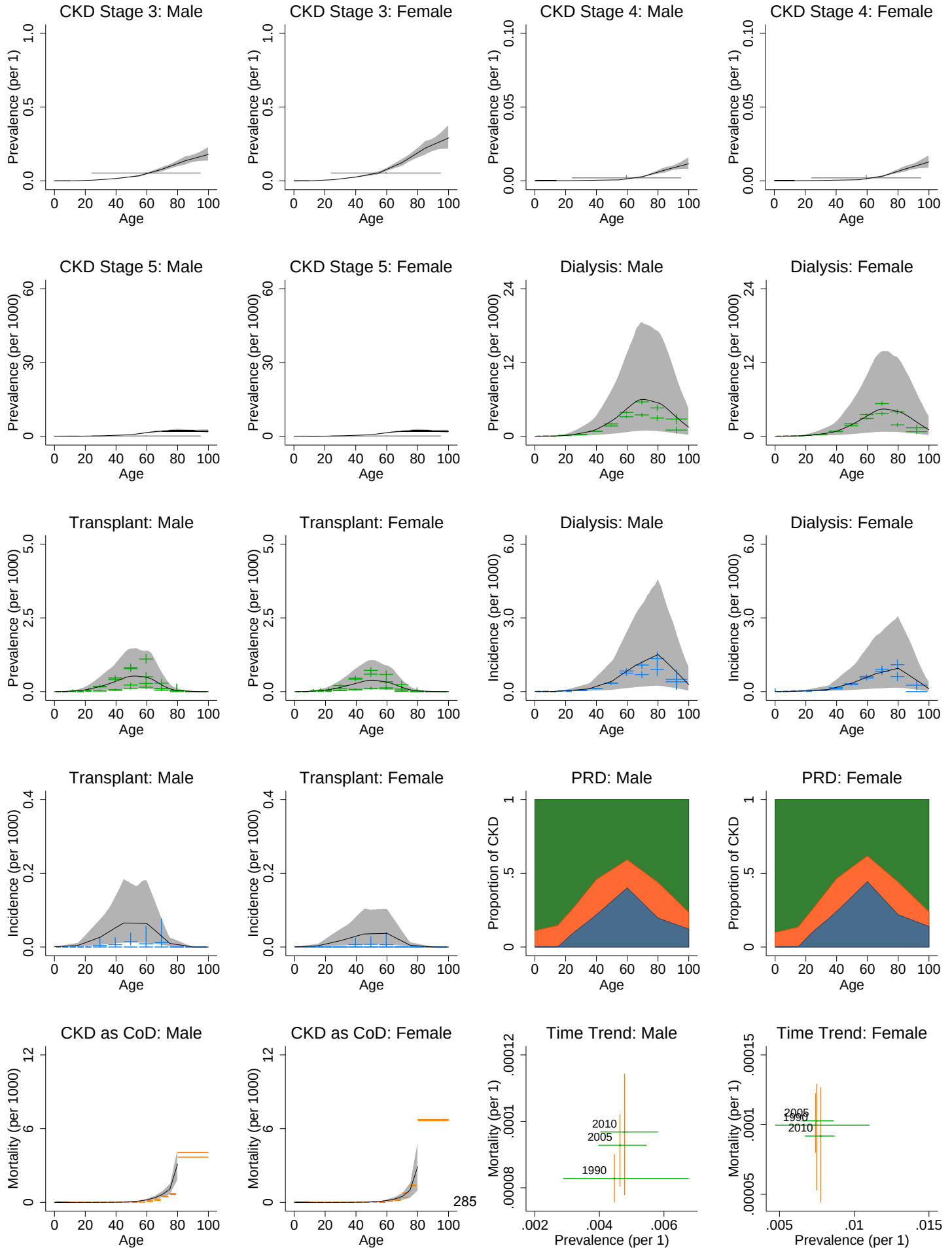
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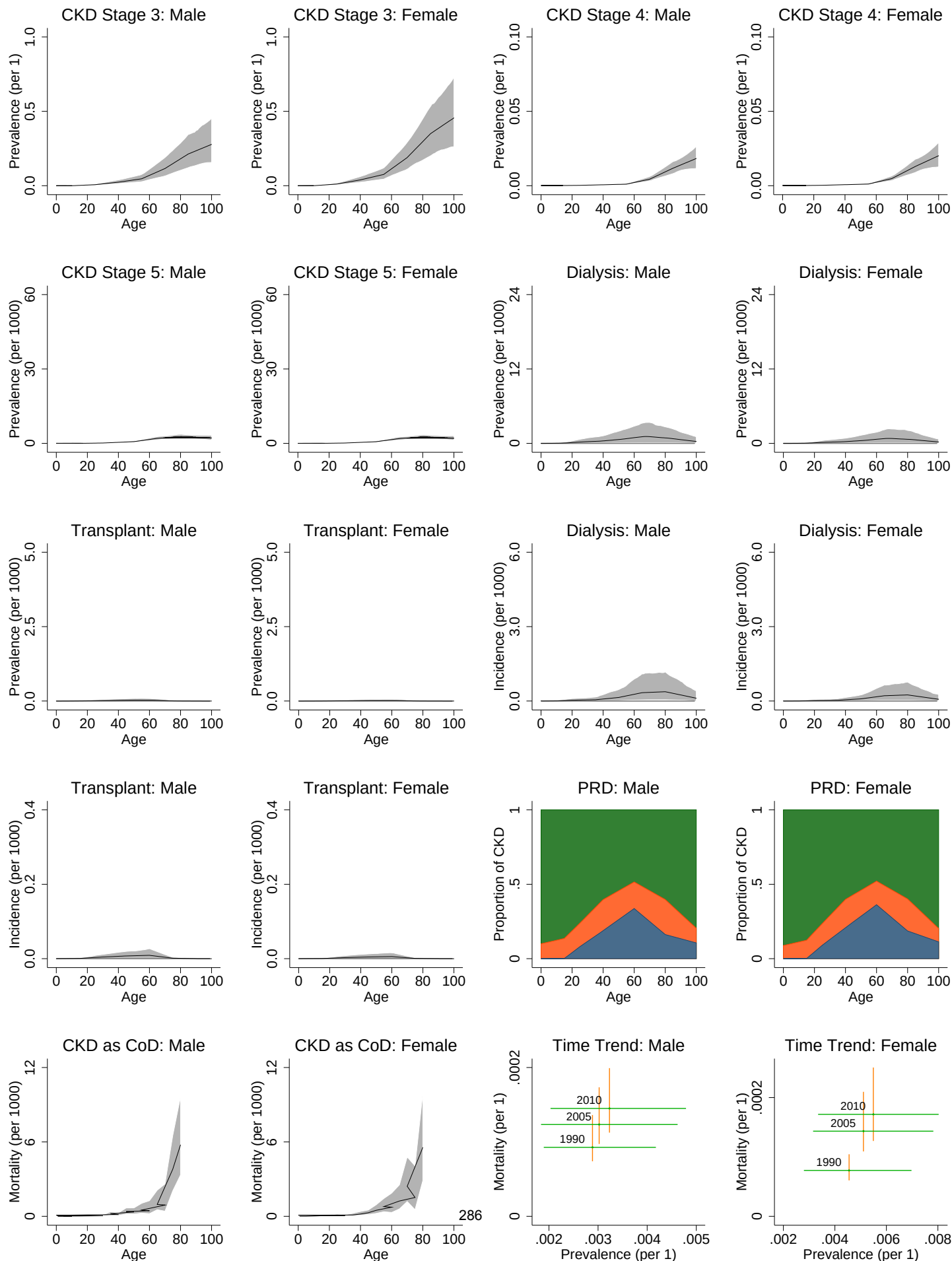
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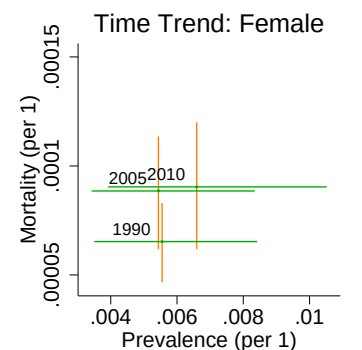
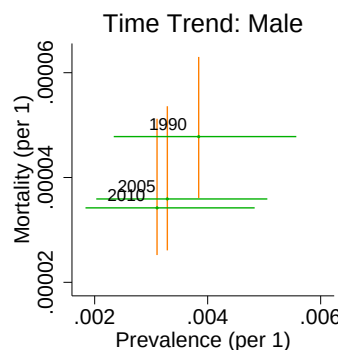
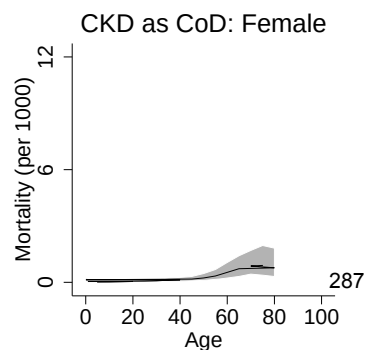
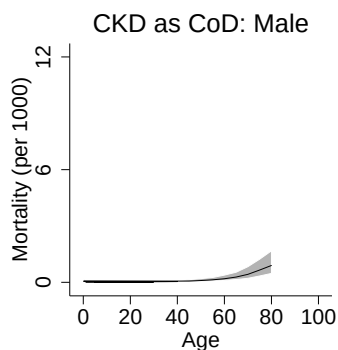
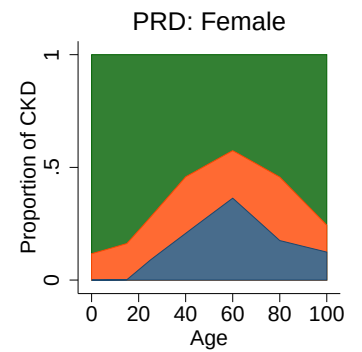
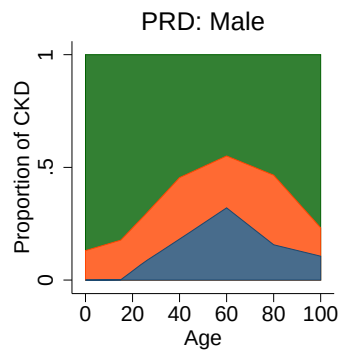
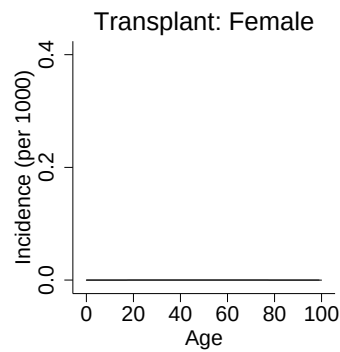
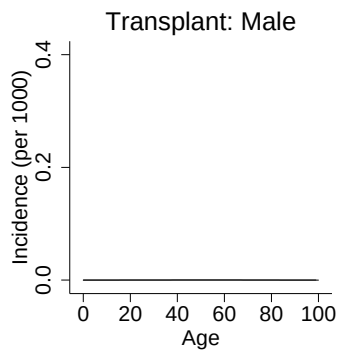
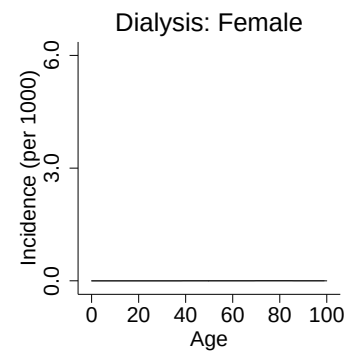
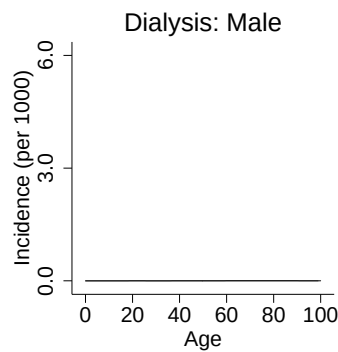
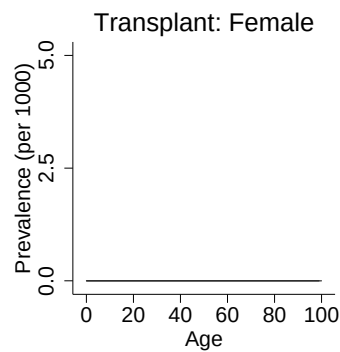
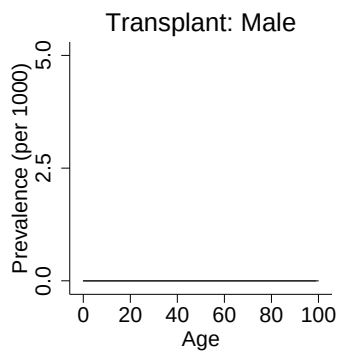
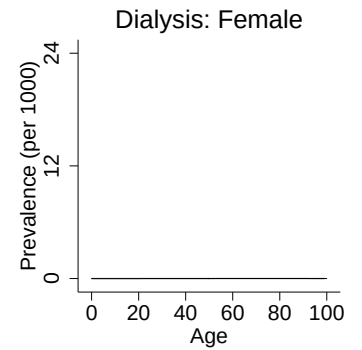
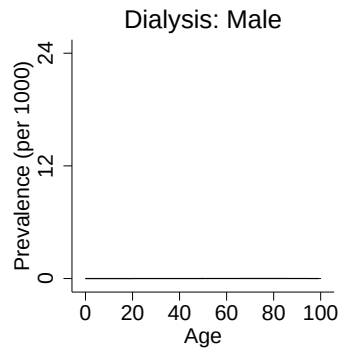
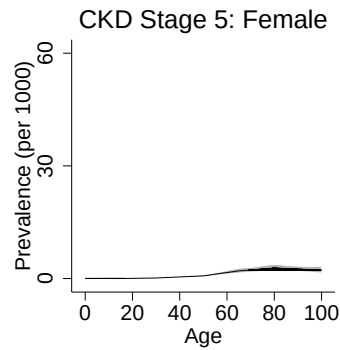
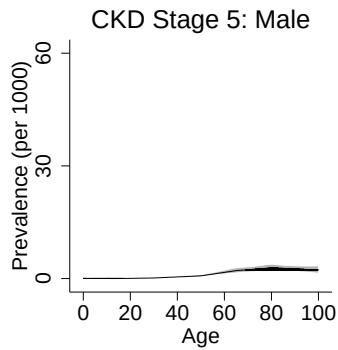
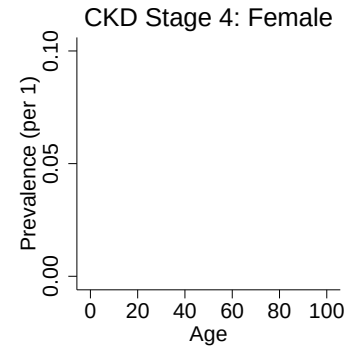
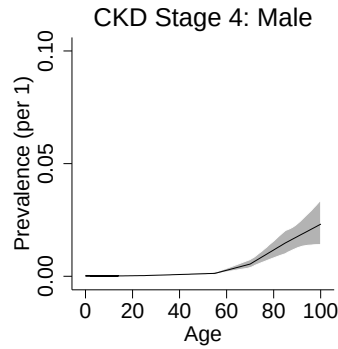
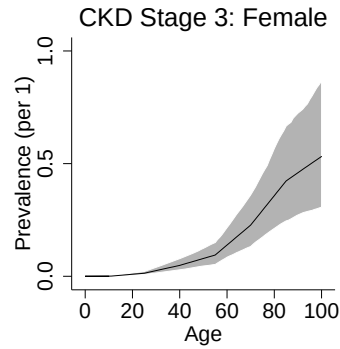
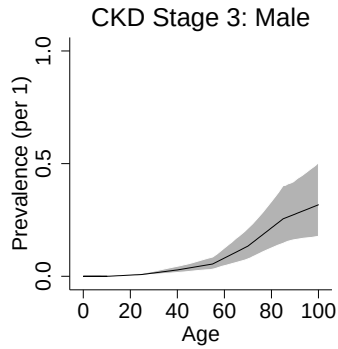
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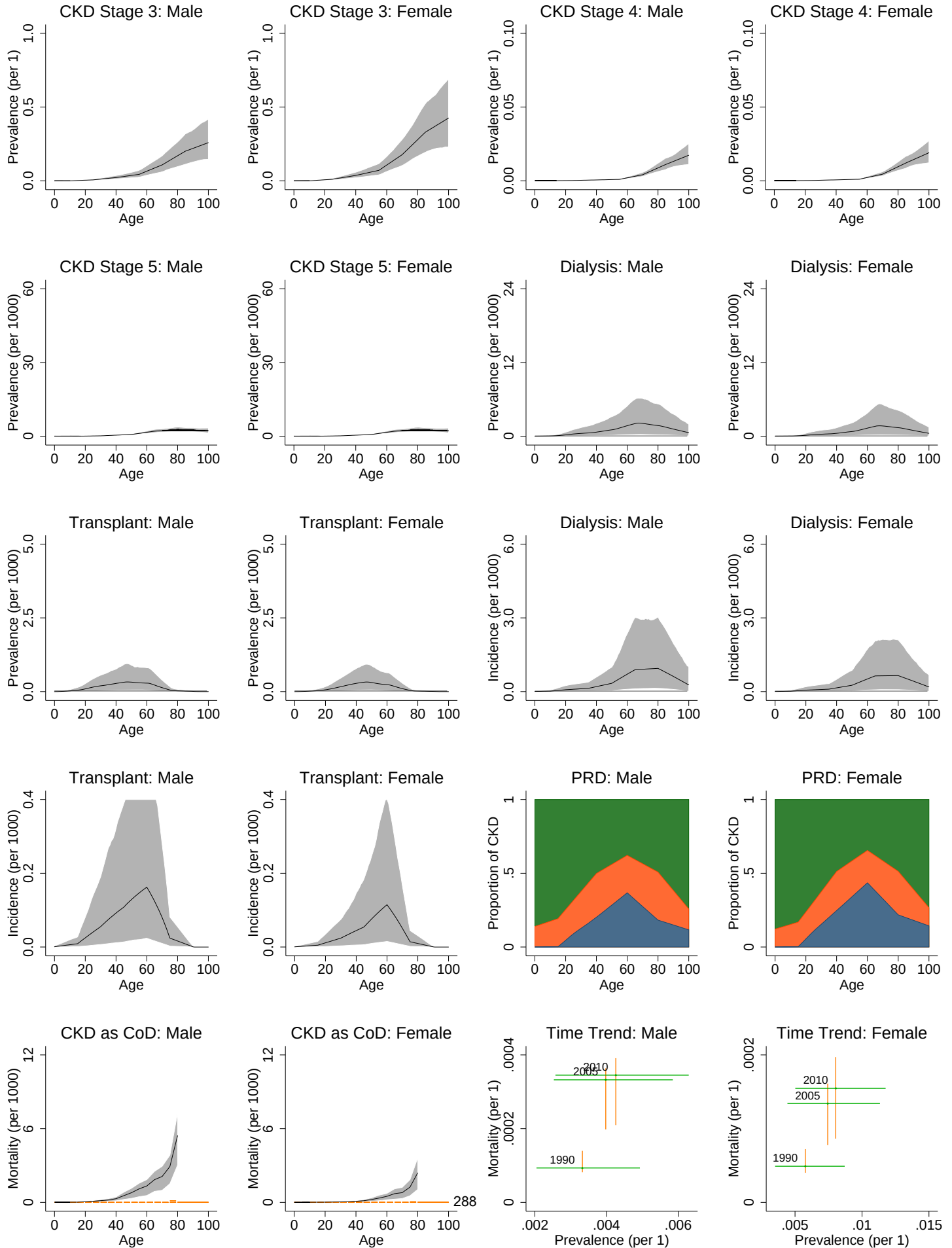
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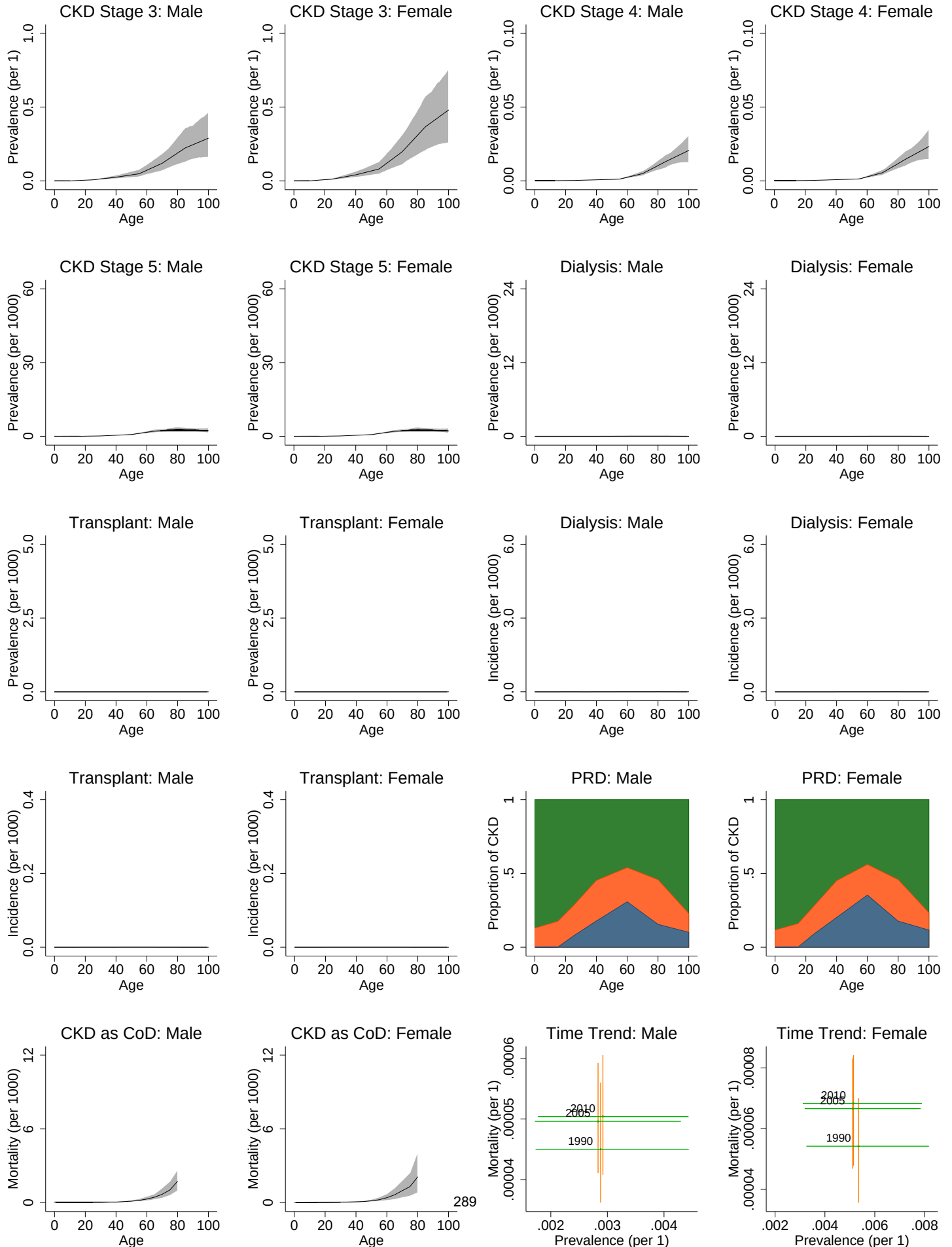
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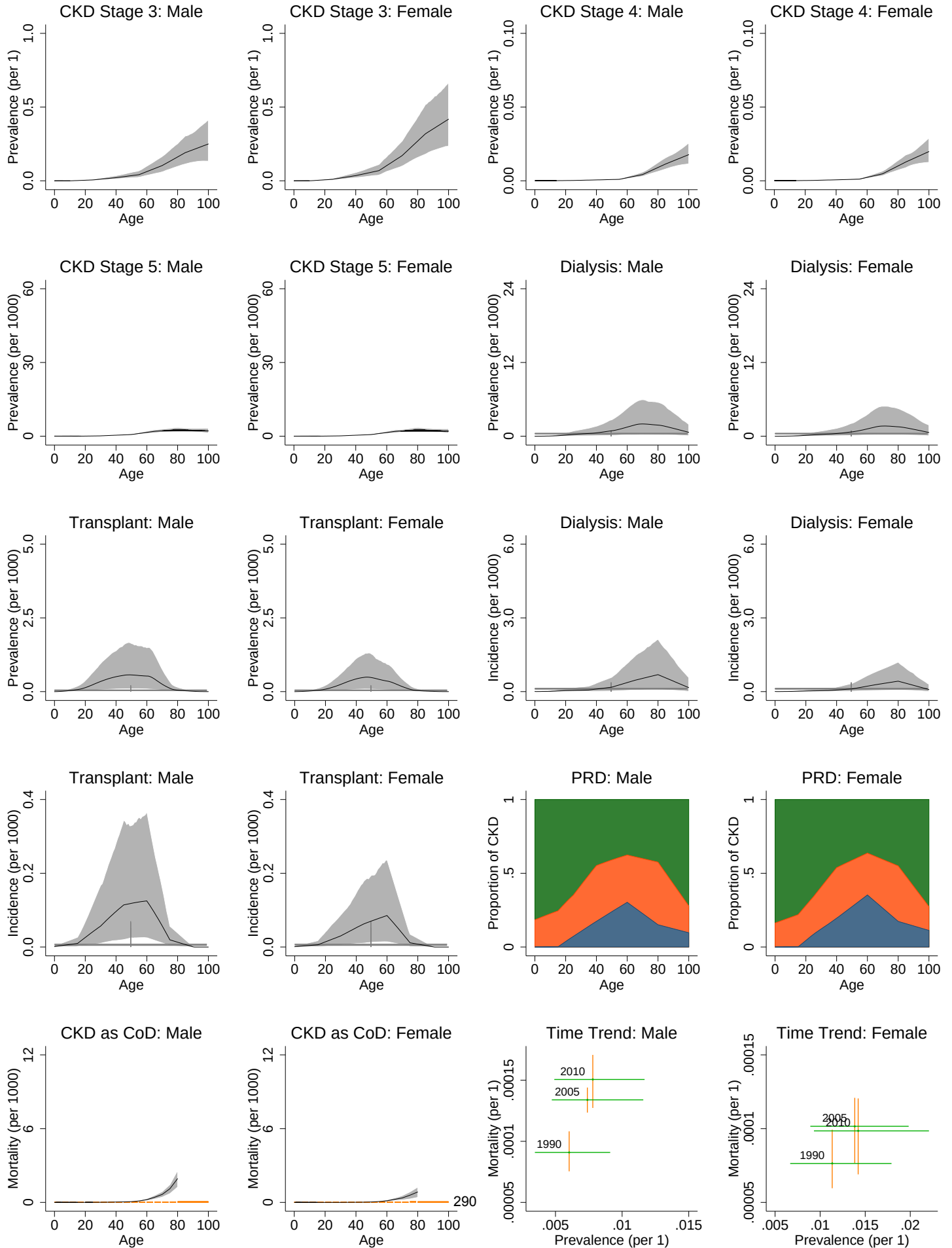
SLV 2010 Estimates



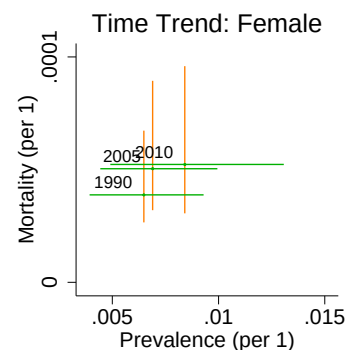
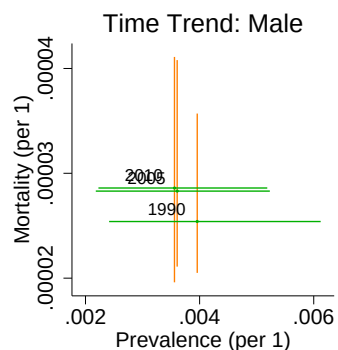
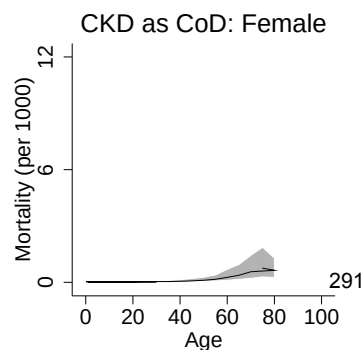
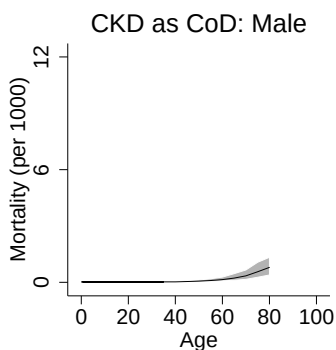
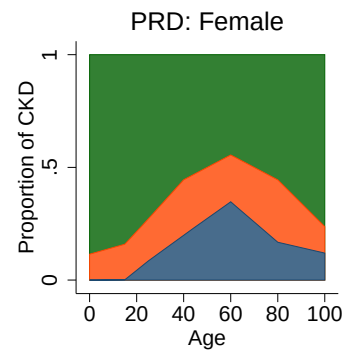
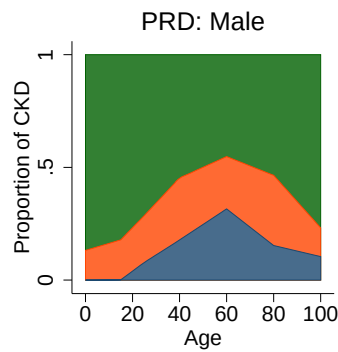
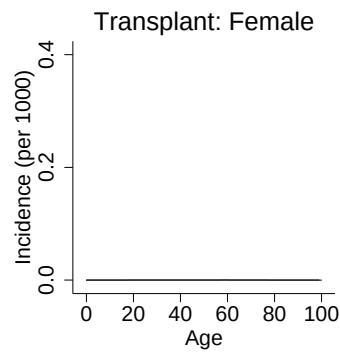
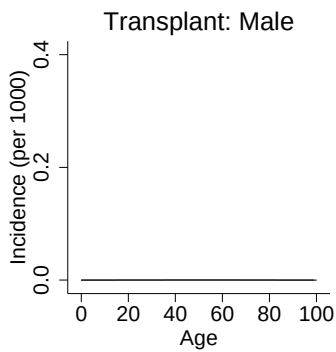
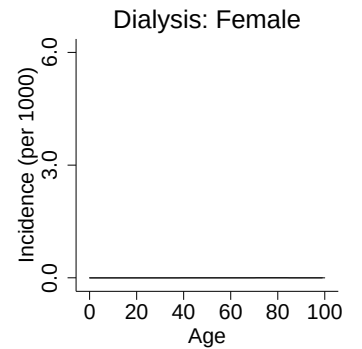
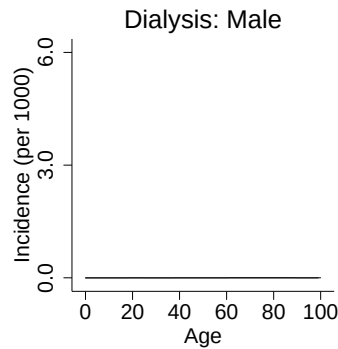
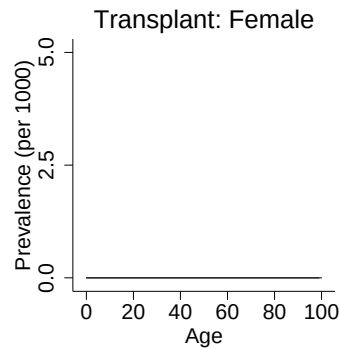
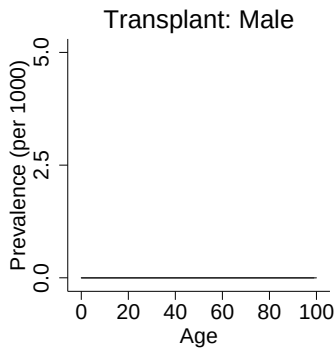
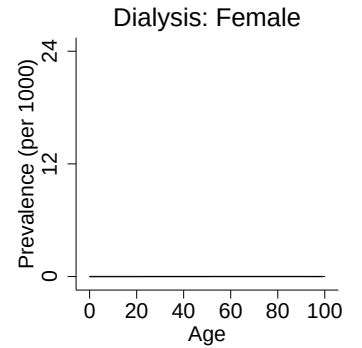
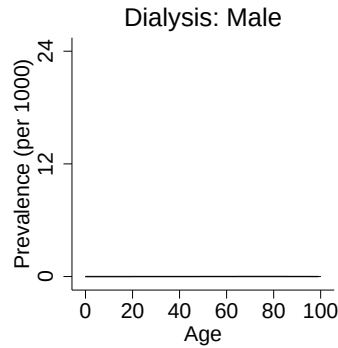
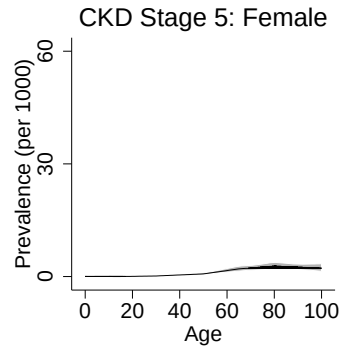
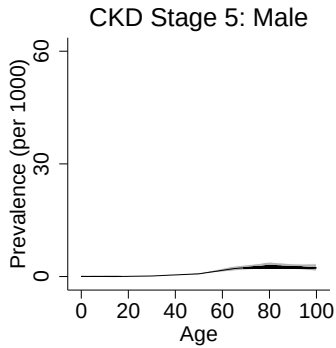
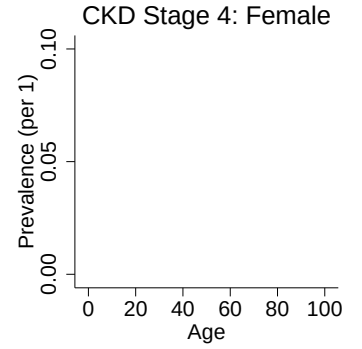
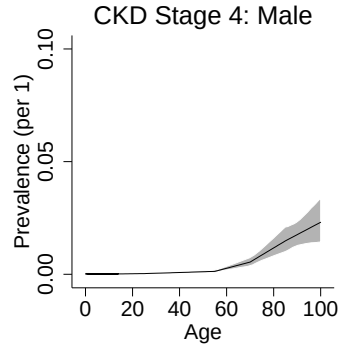
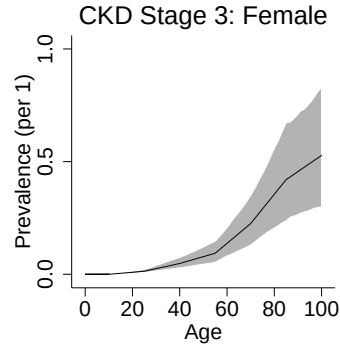
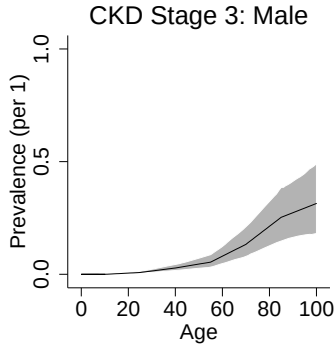
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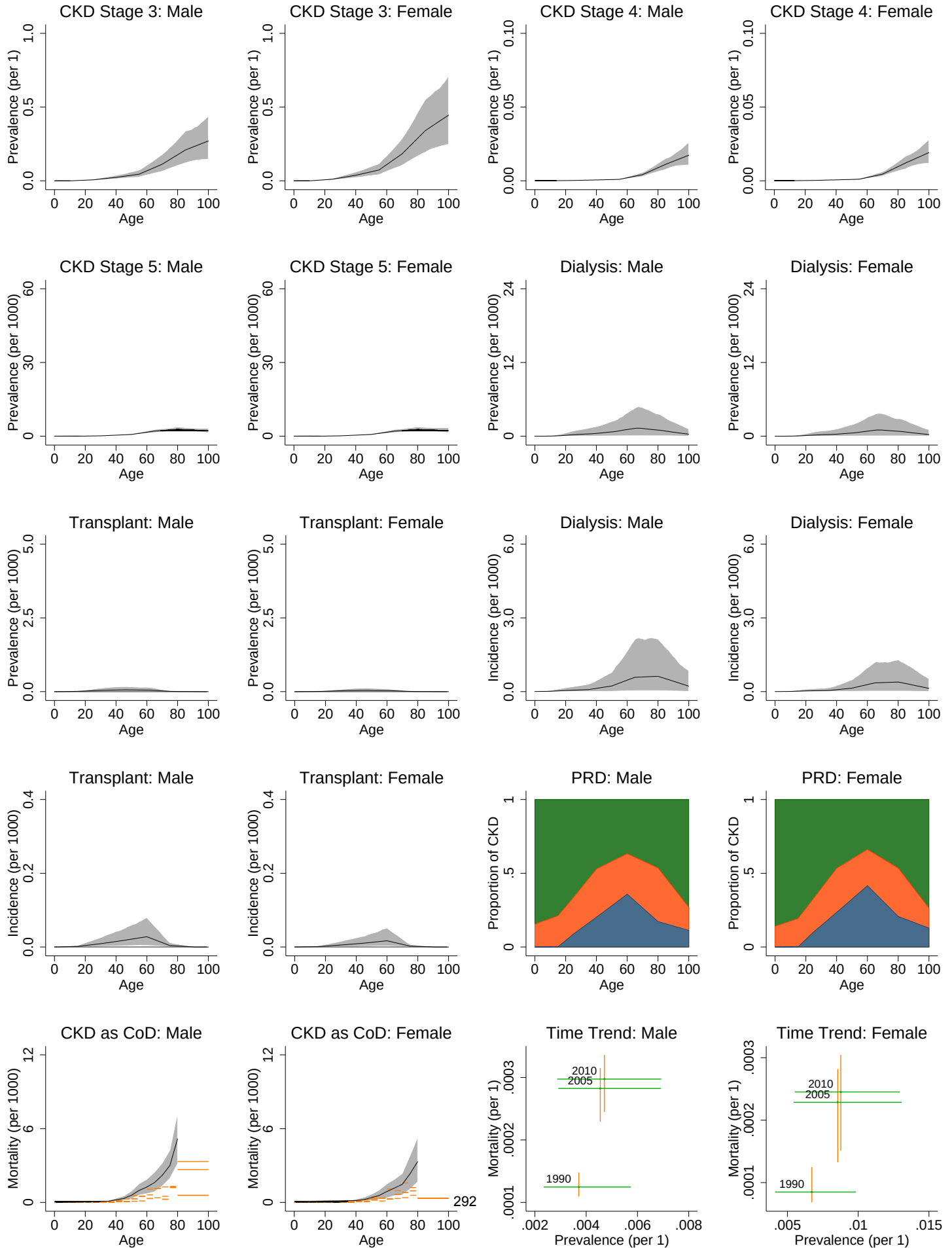
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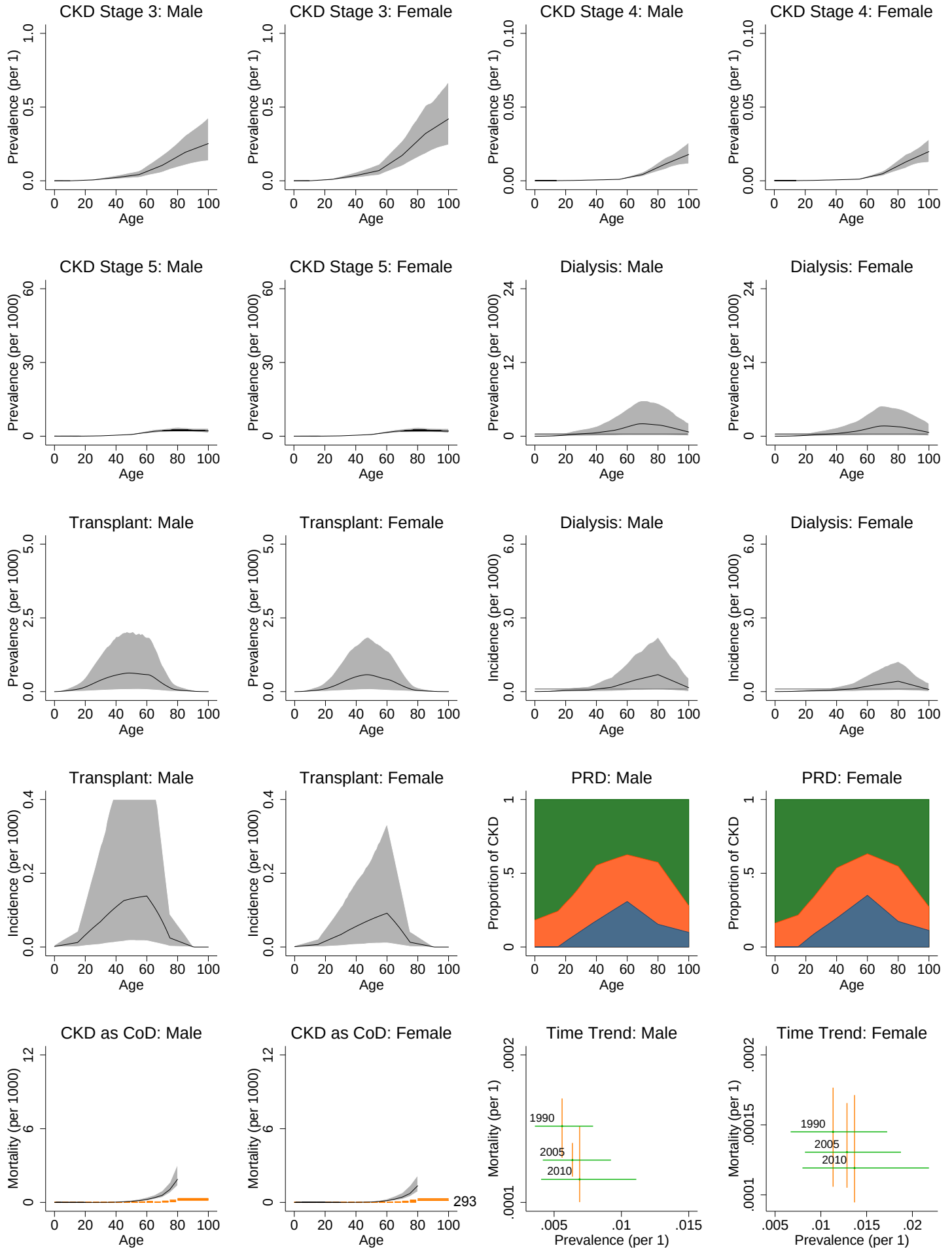
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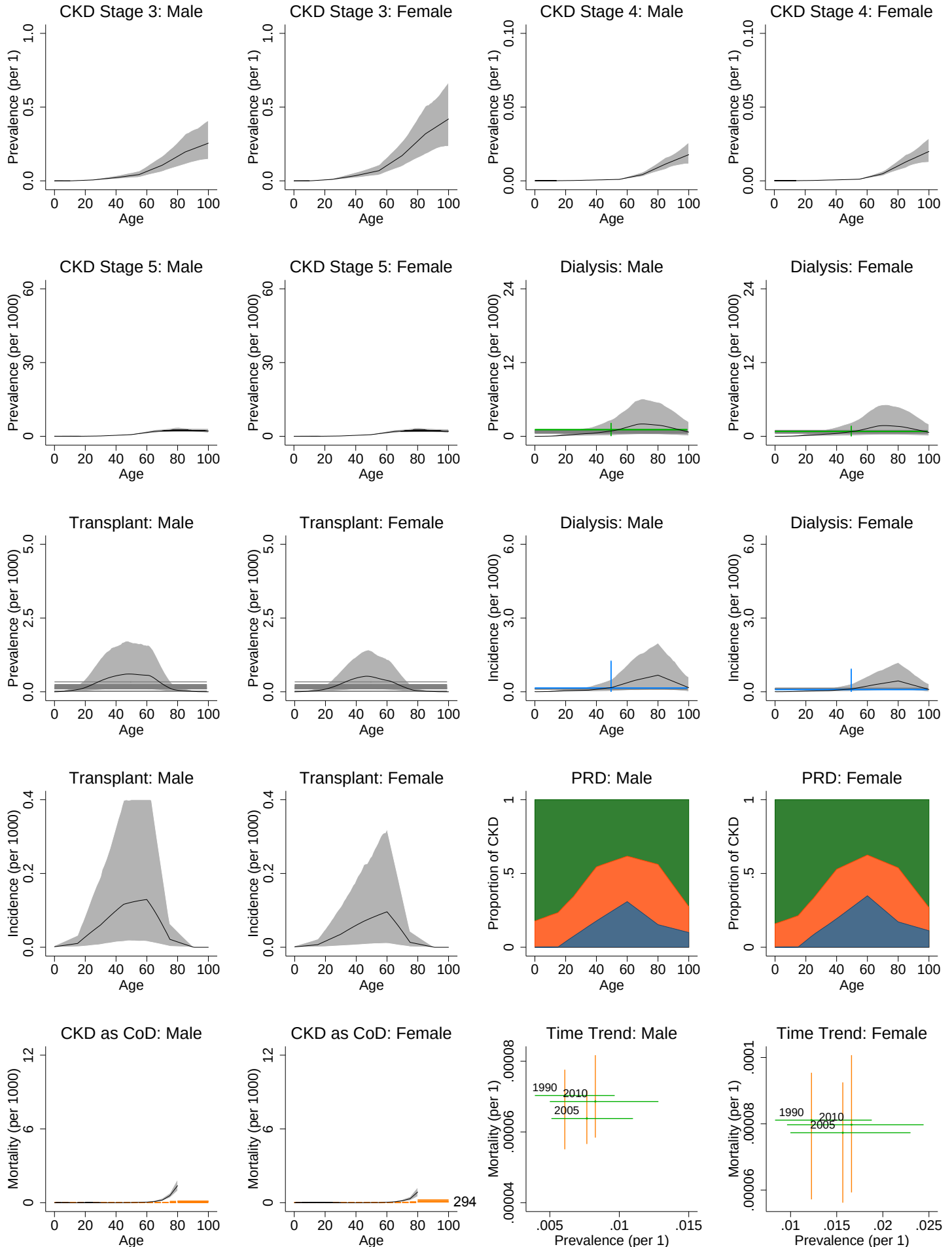
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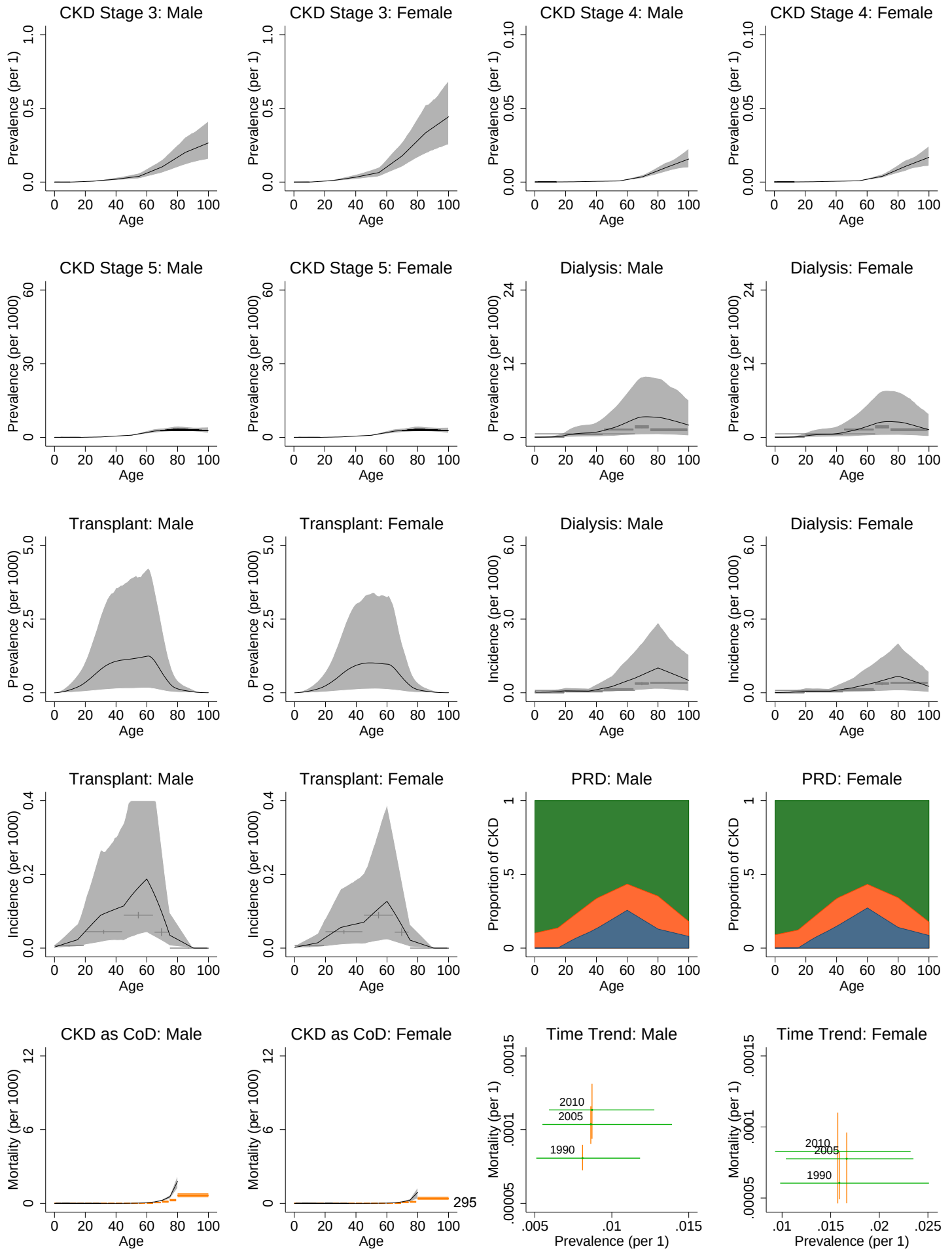
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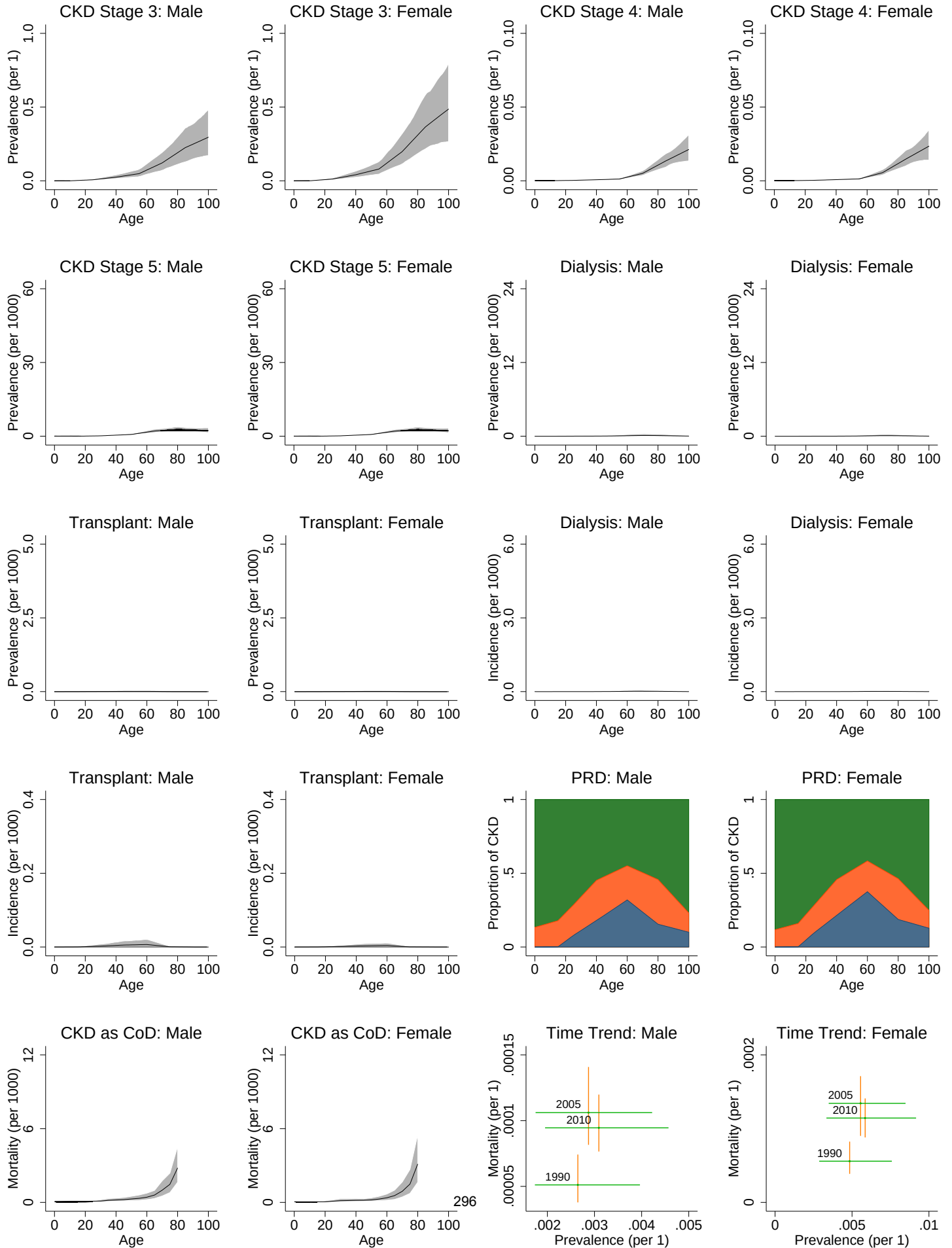
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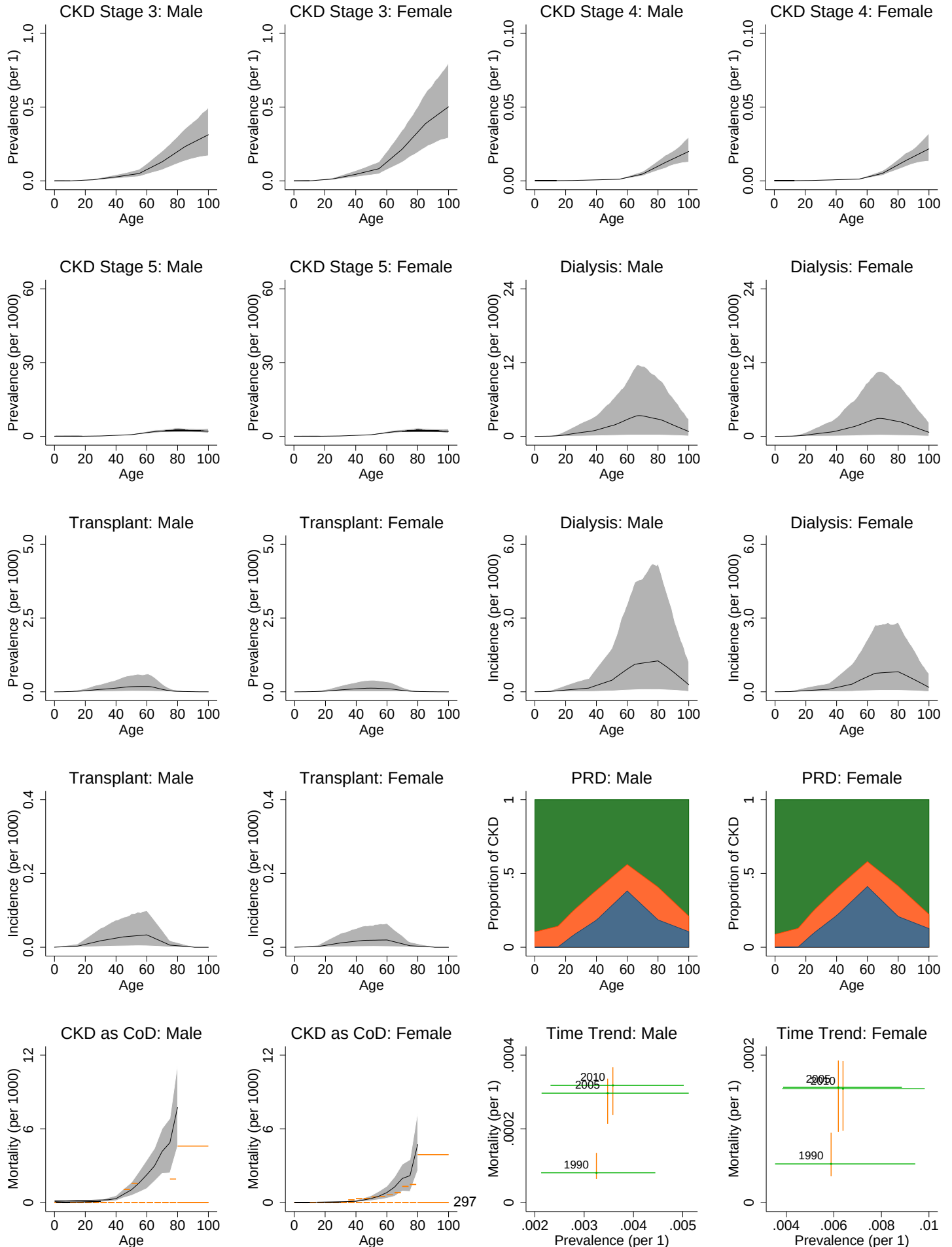
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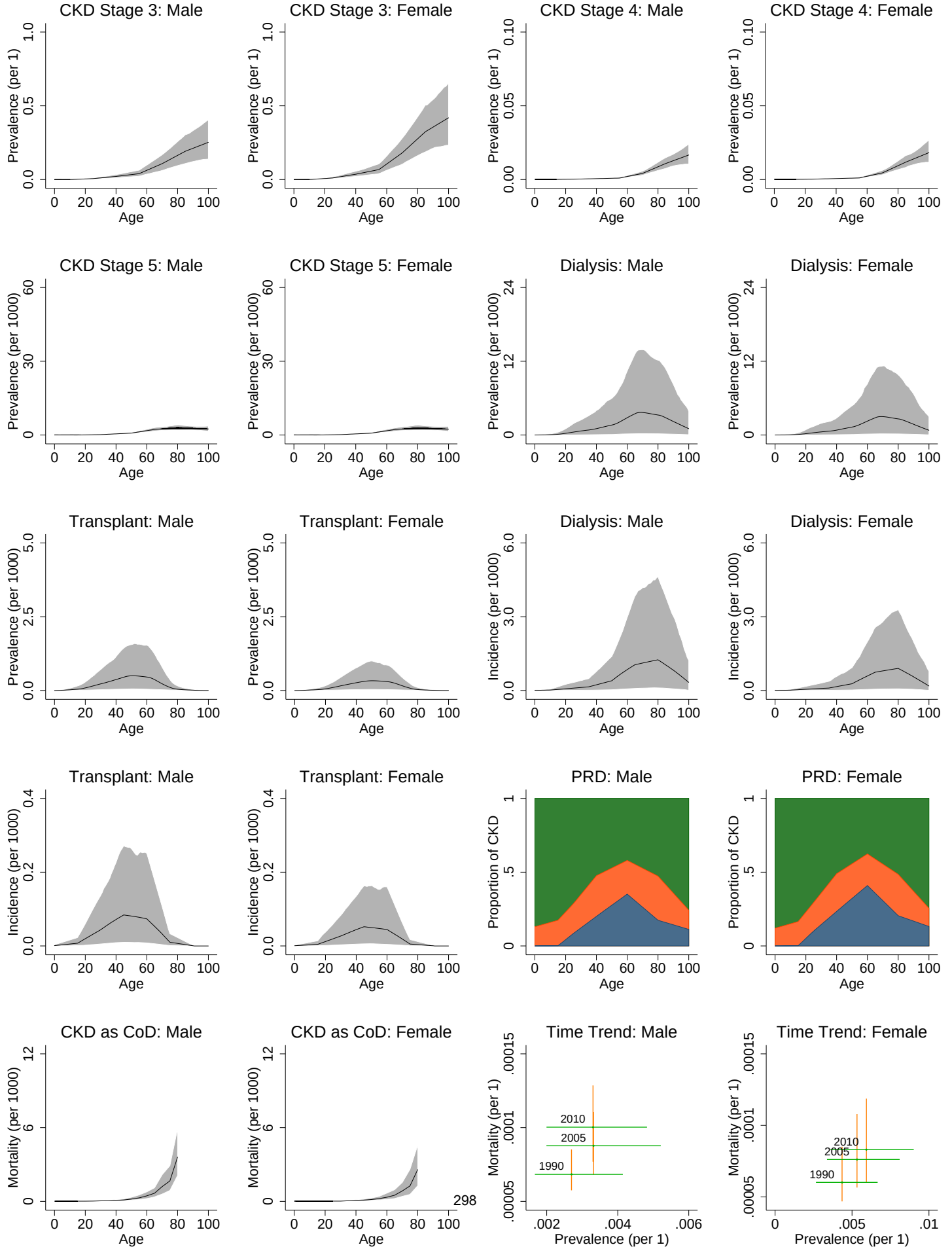
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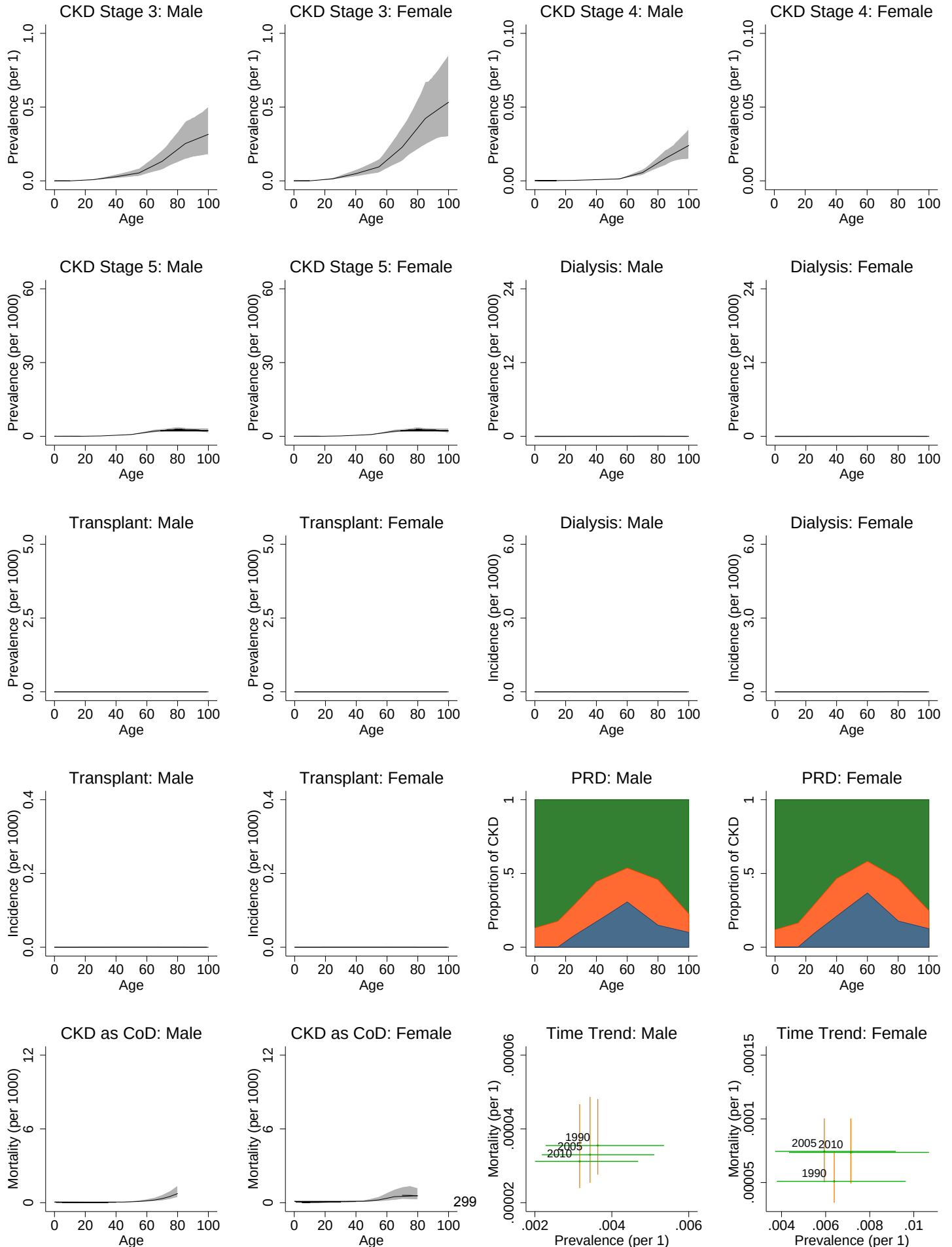
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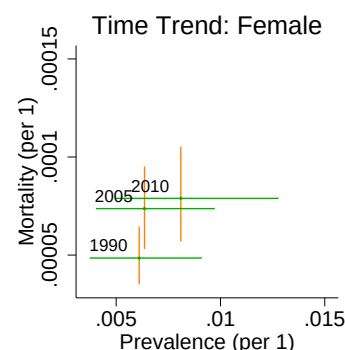
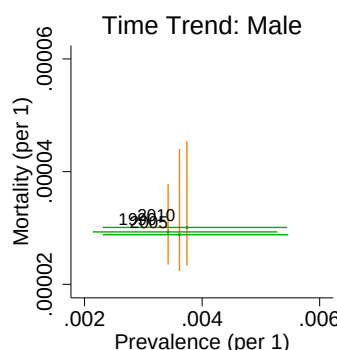
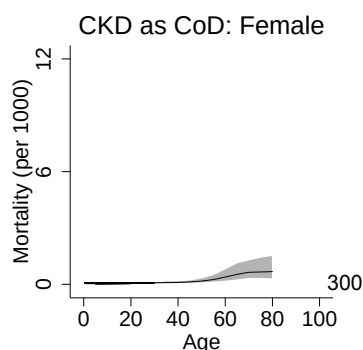
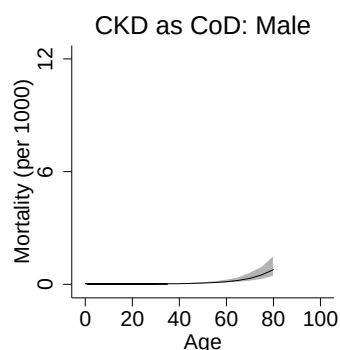
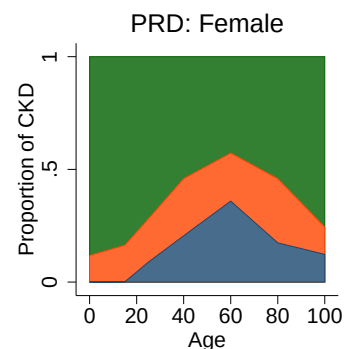
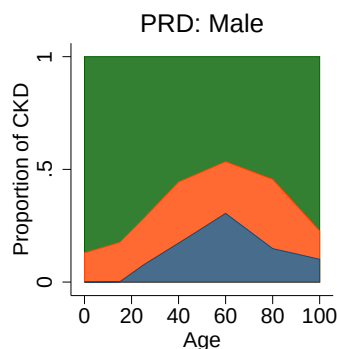
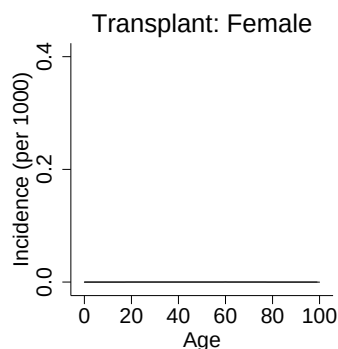
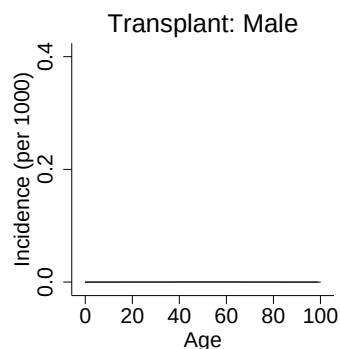
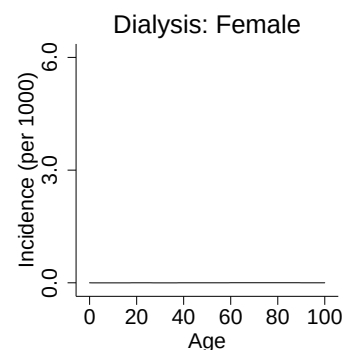
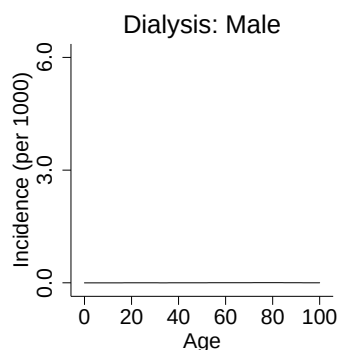
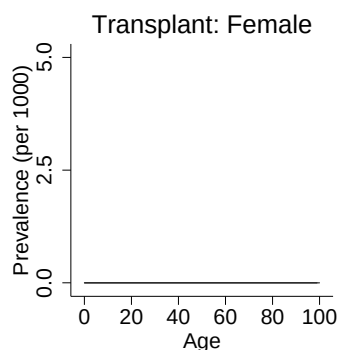
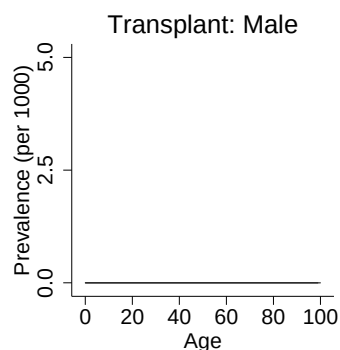
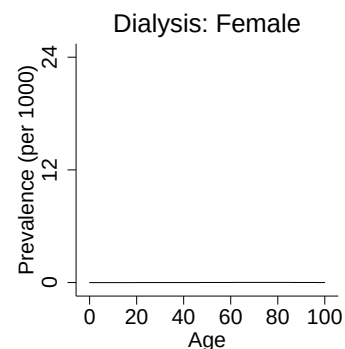
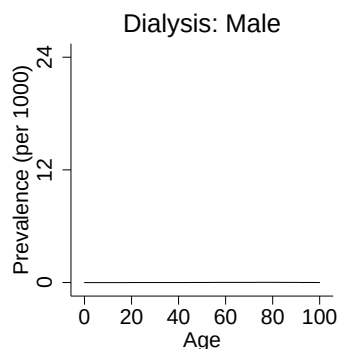
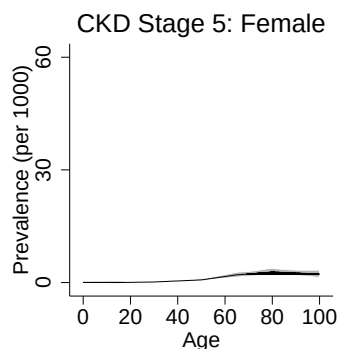
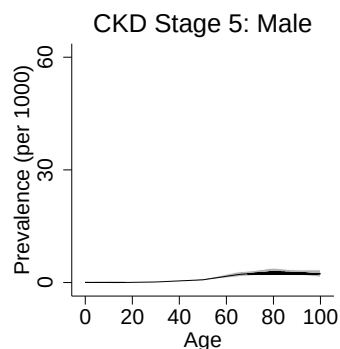
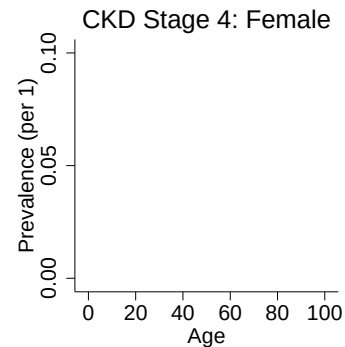
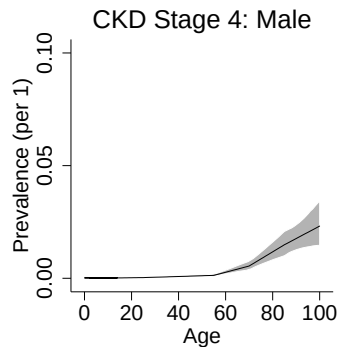
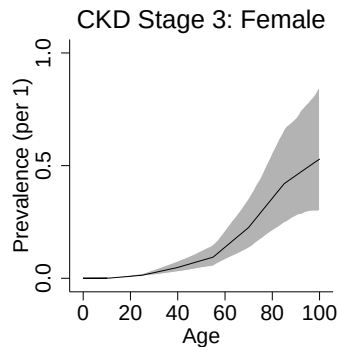
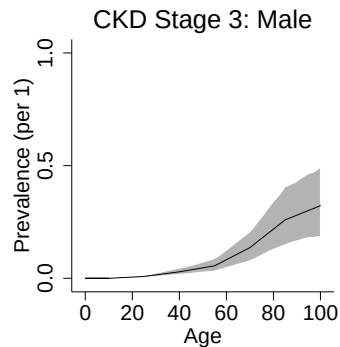
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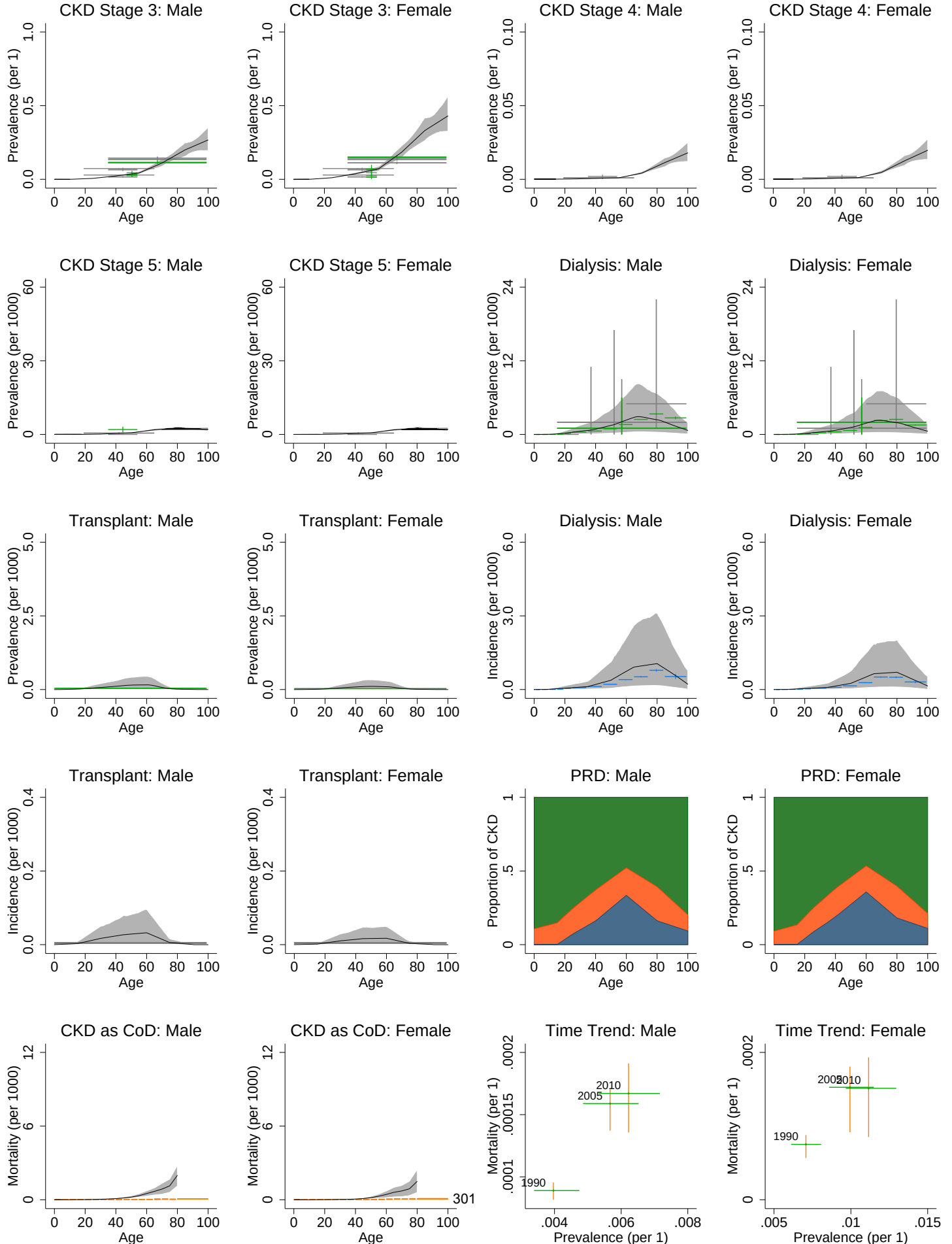
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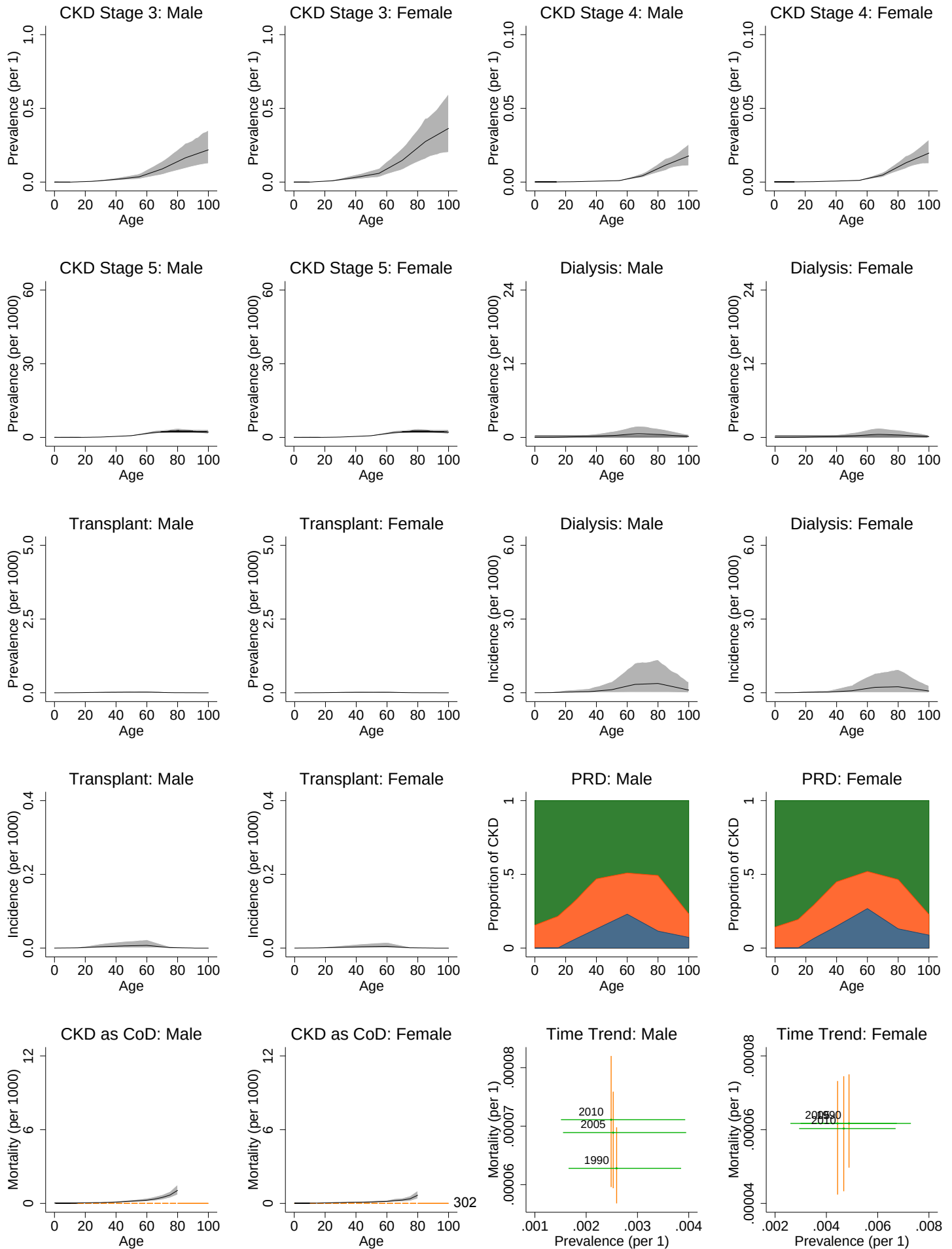
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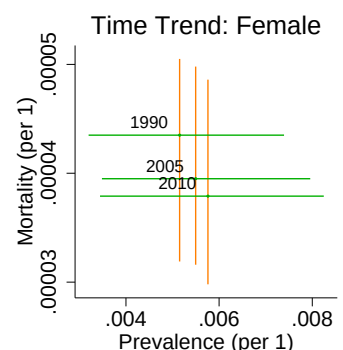
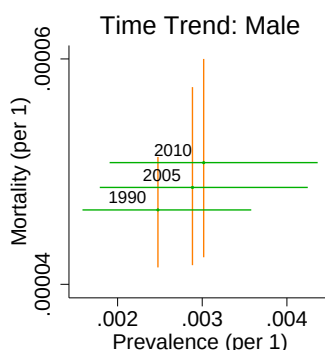
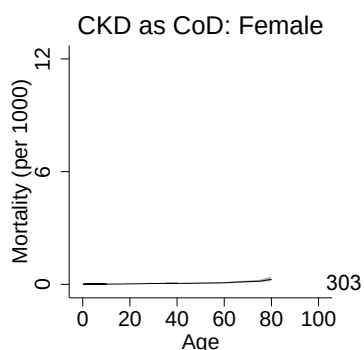
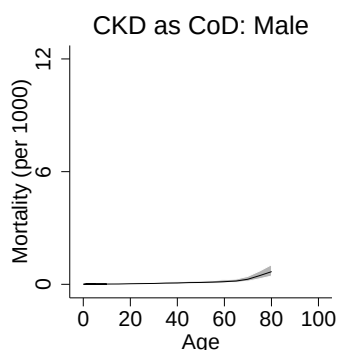
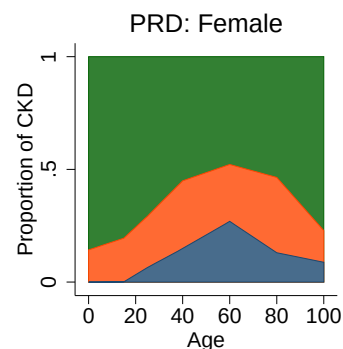
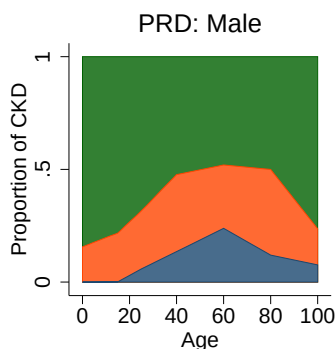
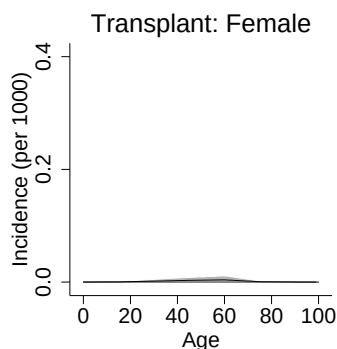
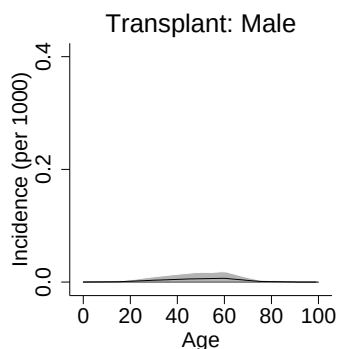
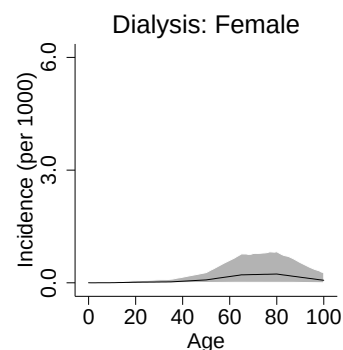
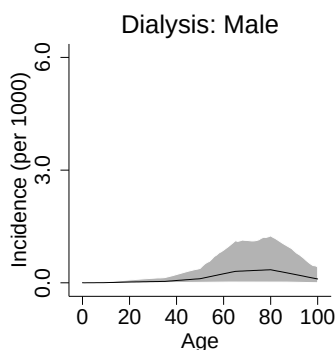
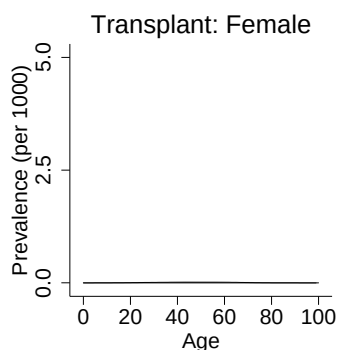
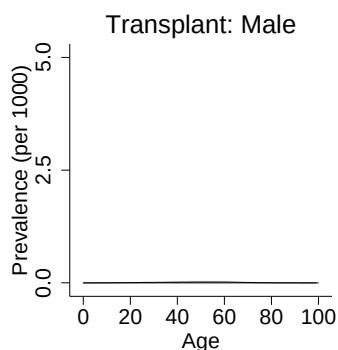
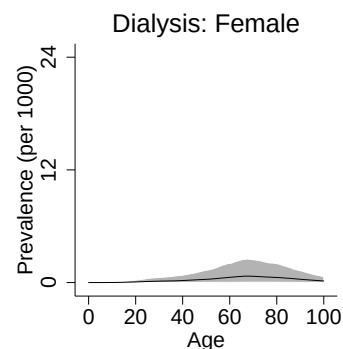
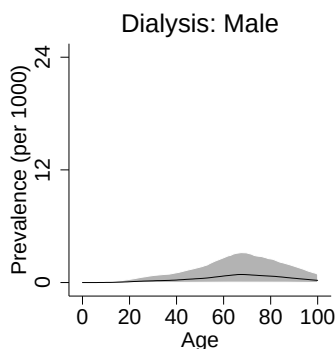
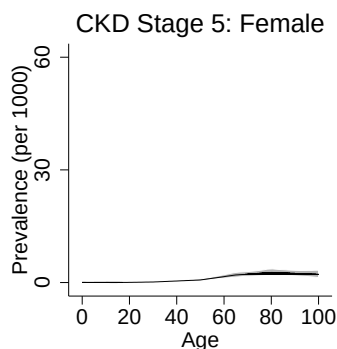
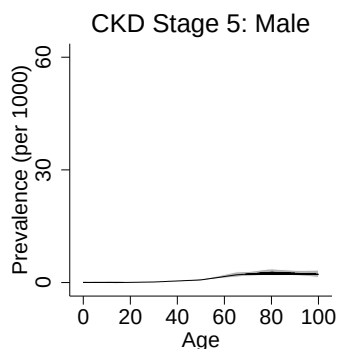
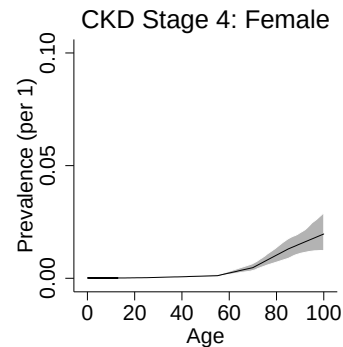
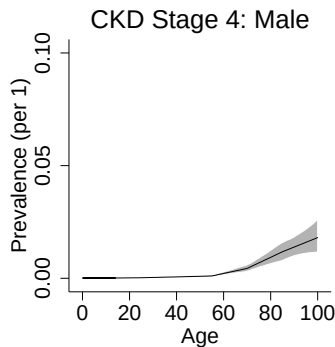
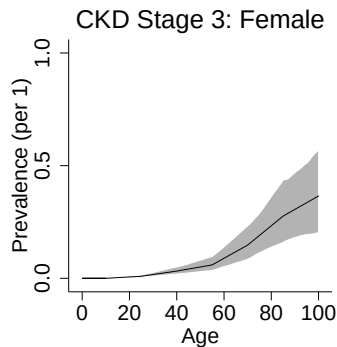
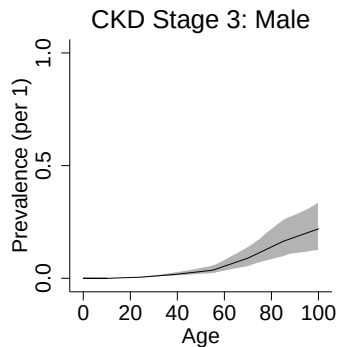
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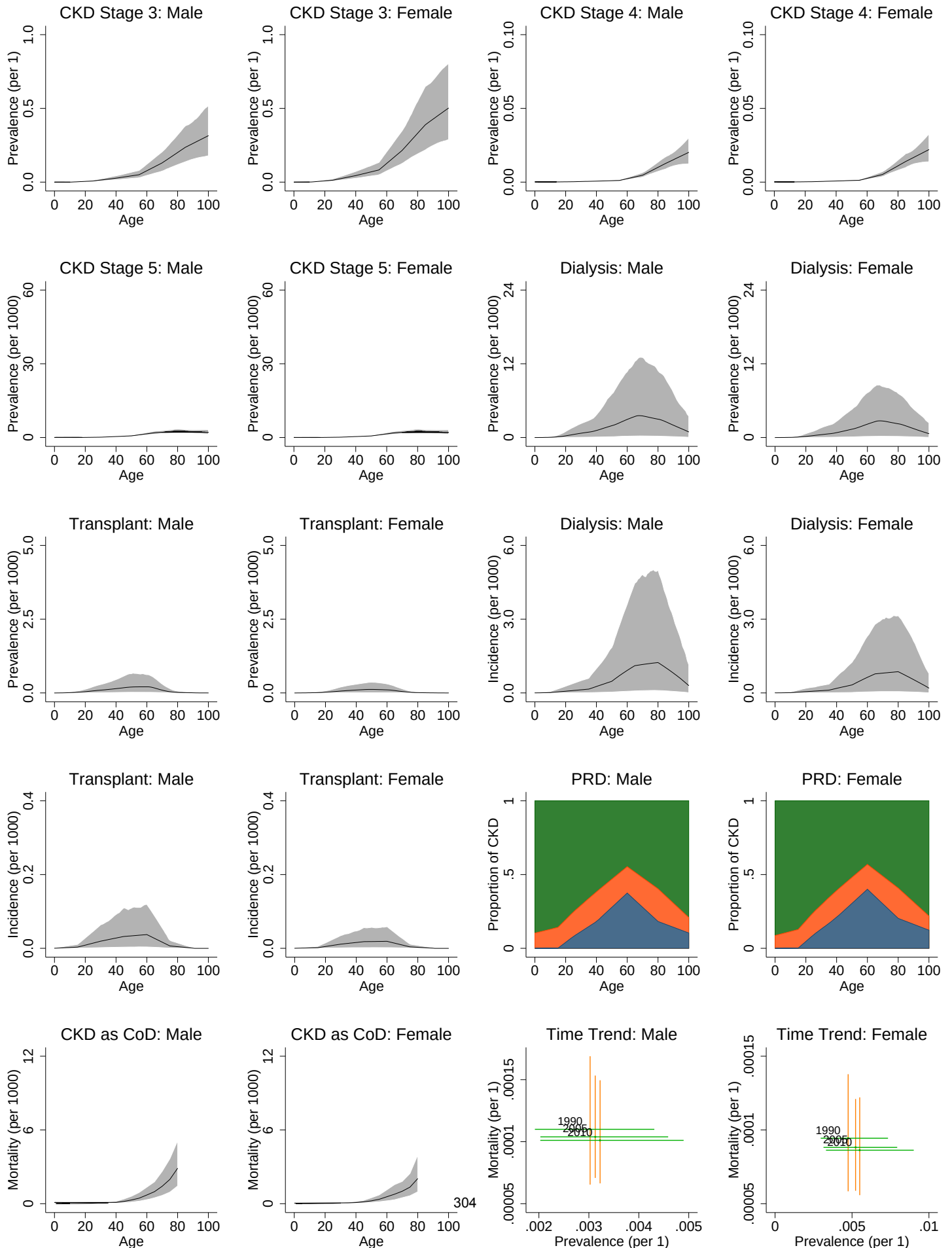
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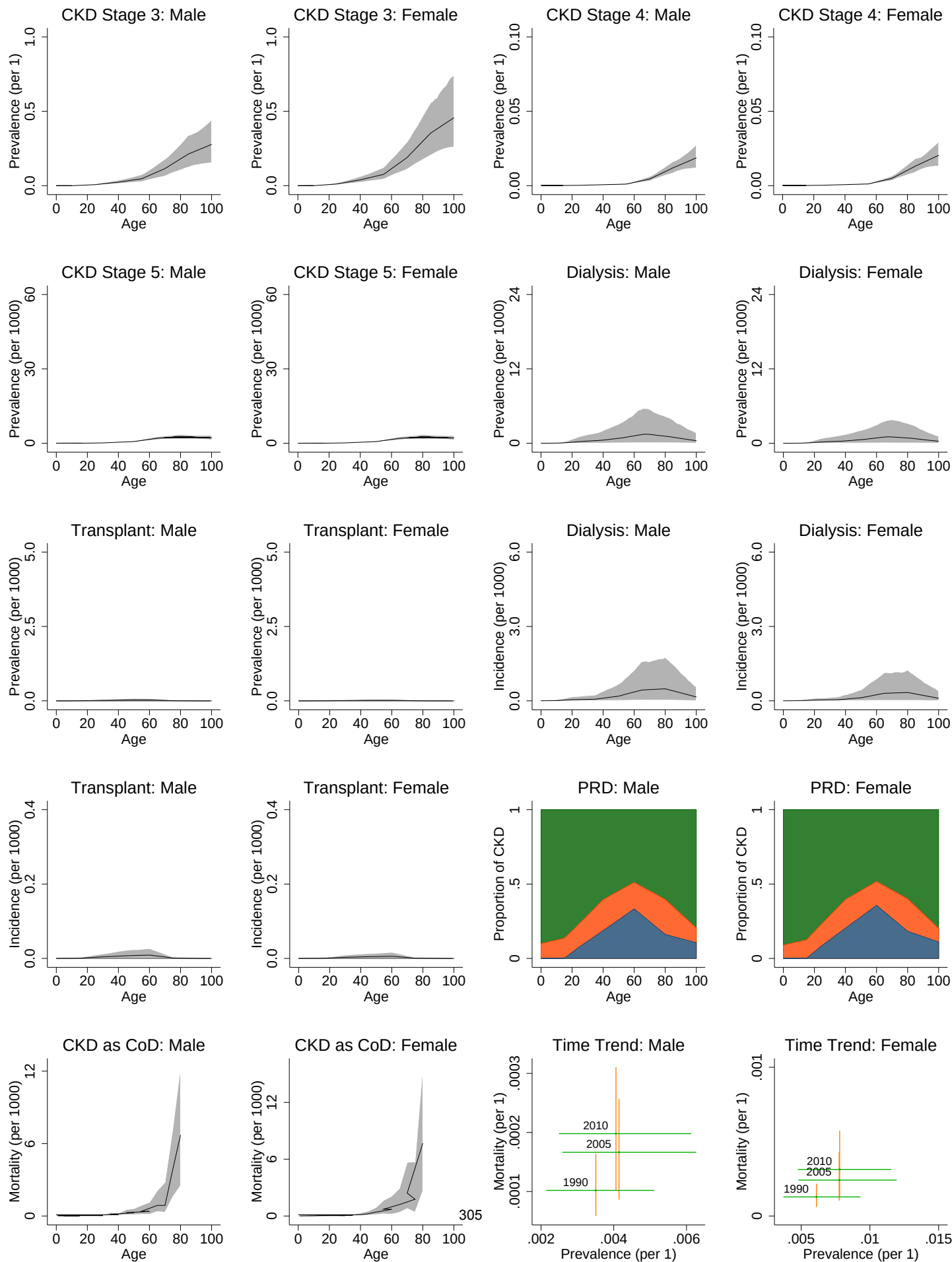
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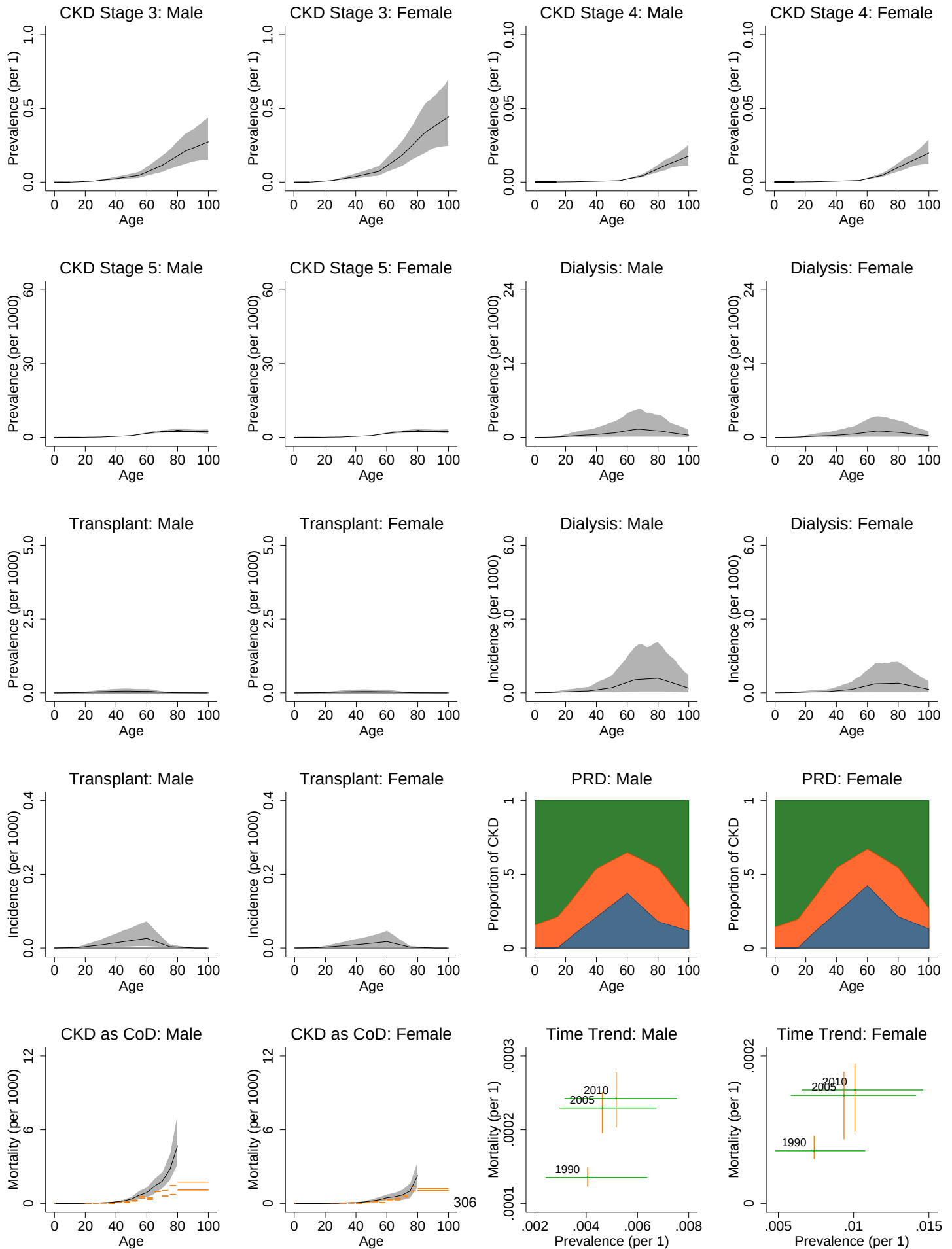
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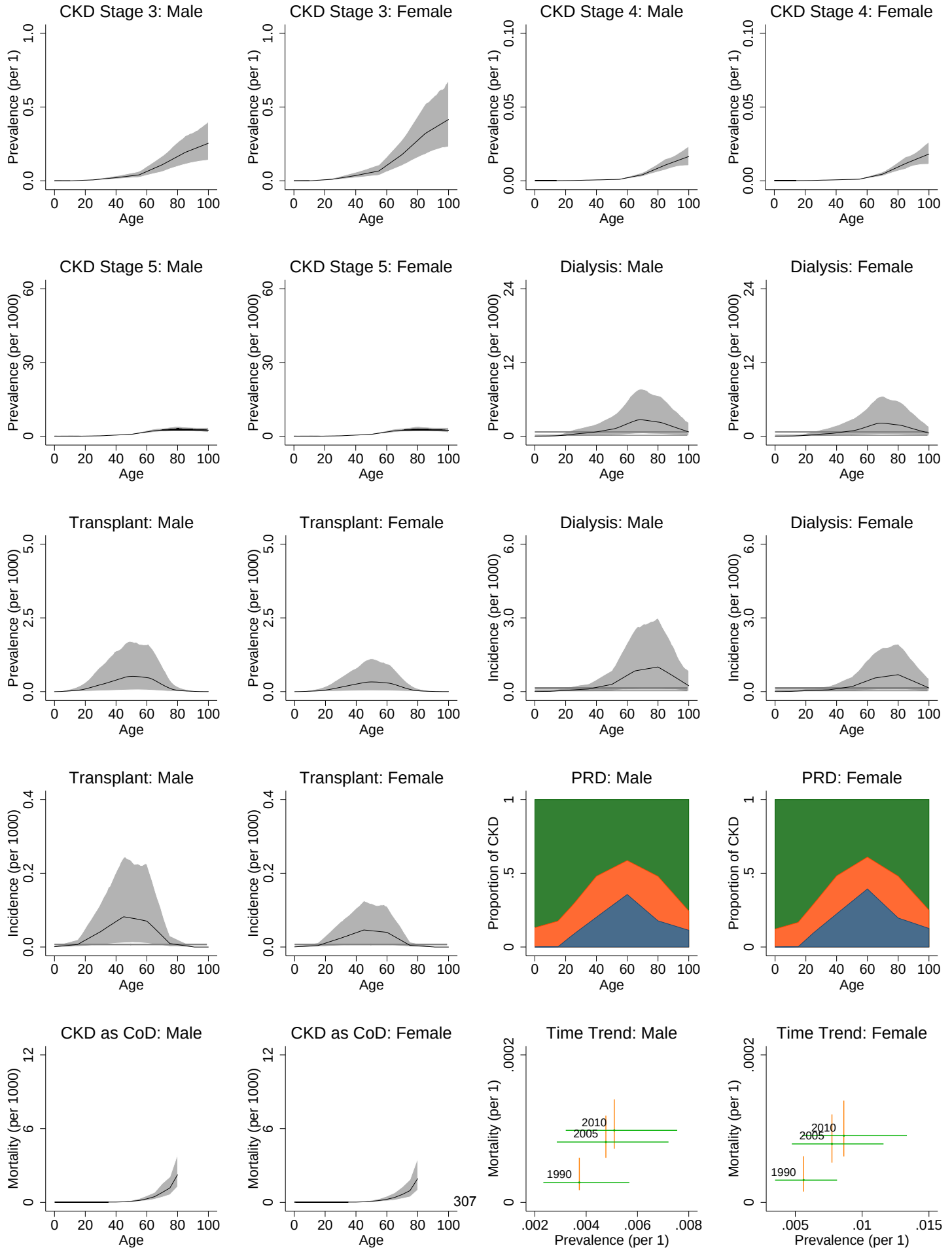
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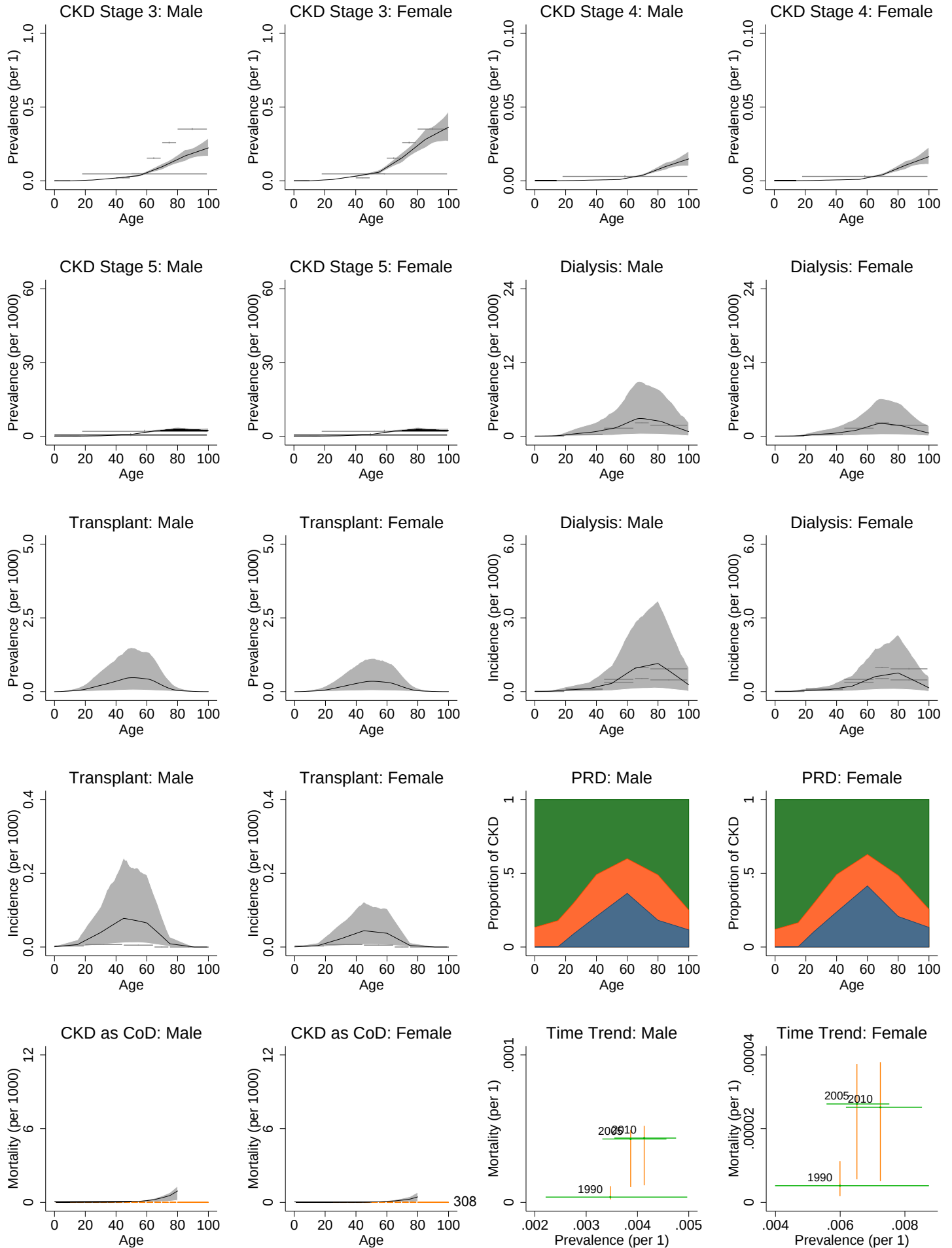
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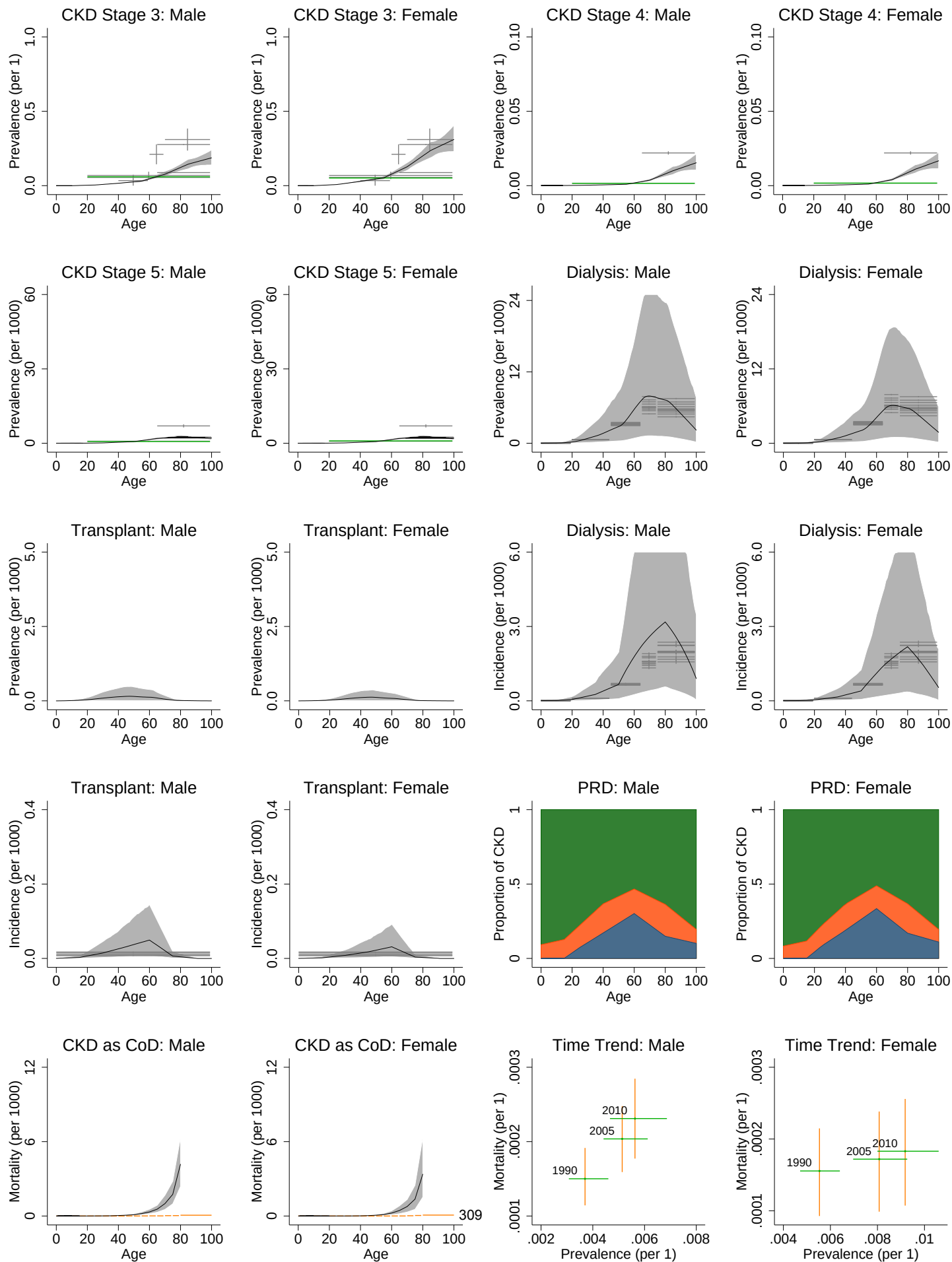
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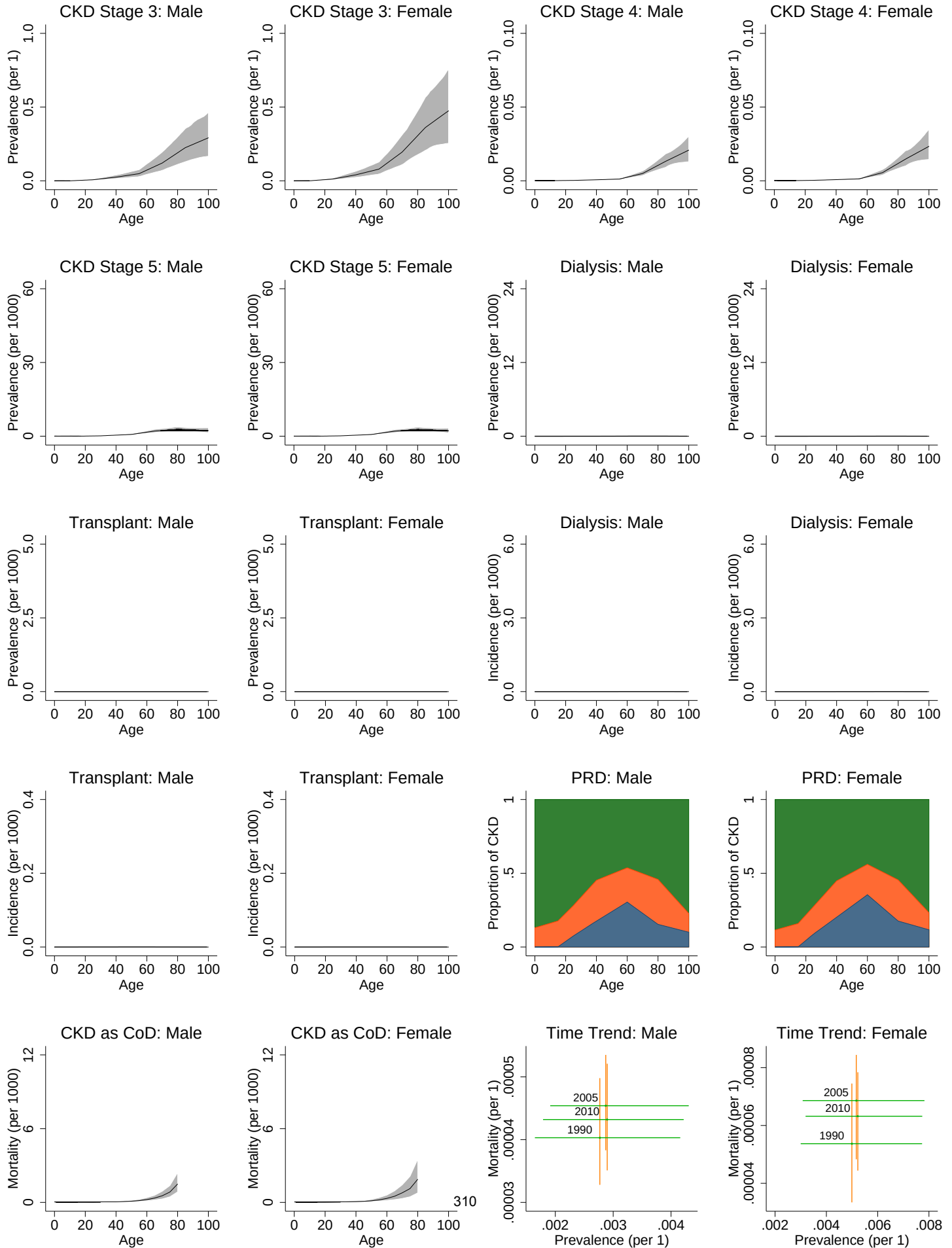
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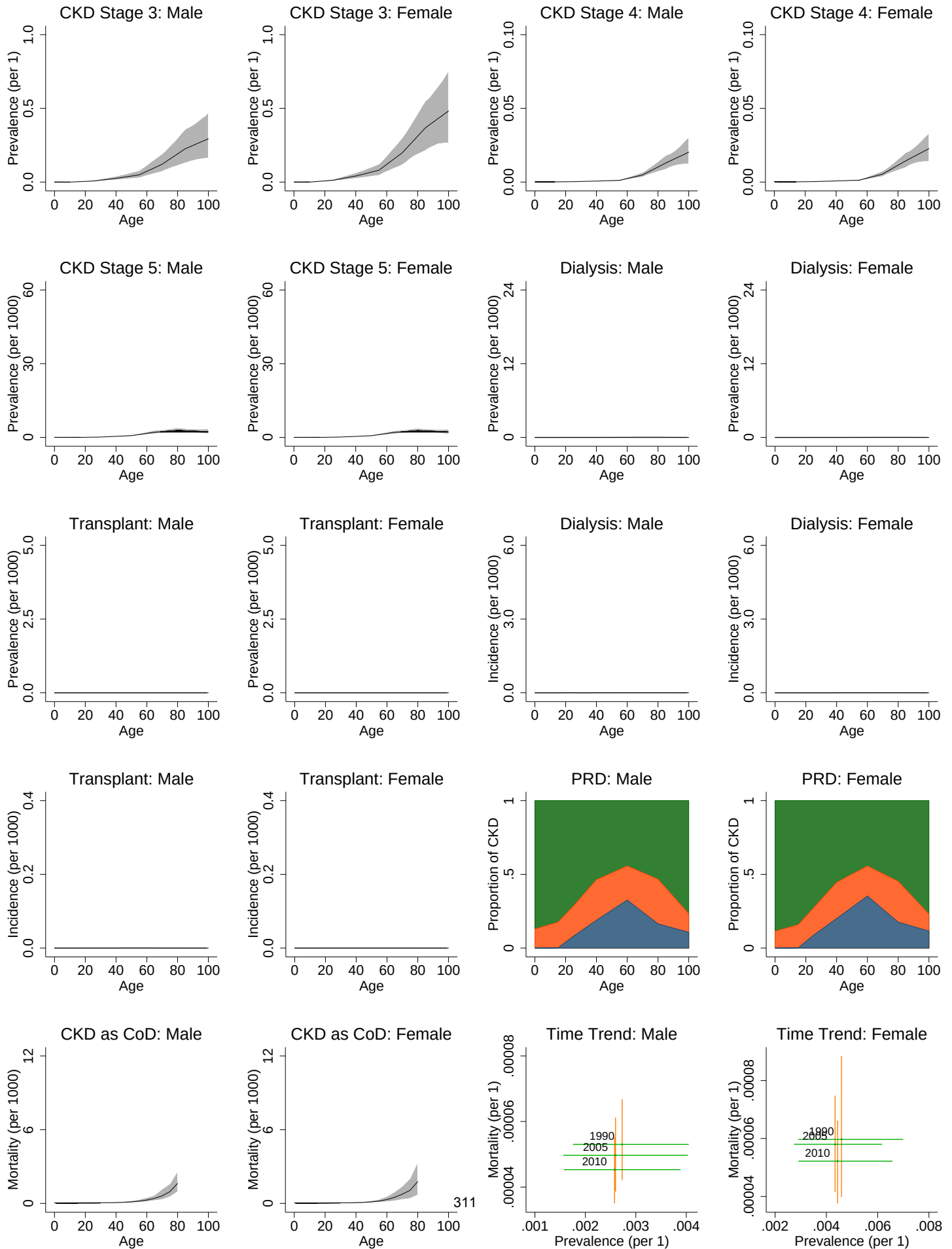
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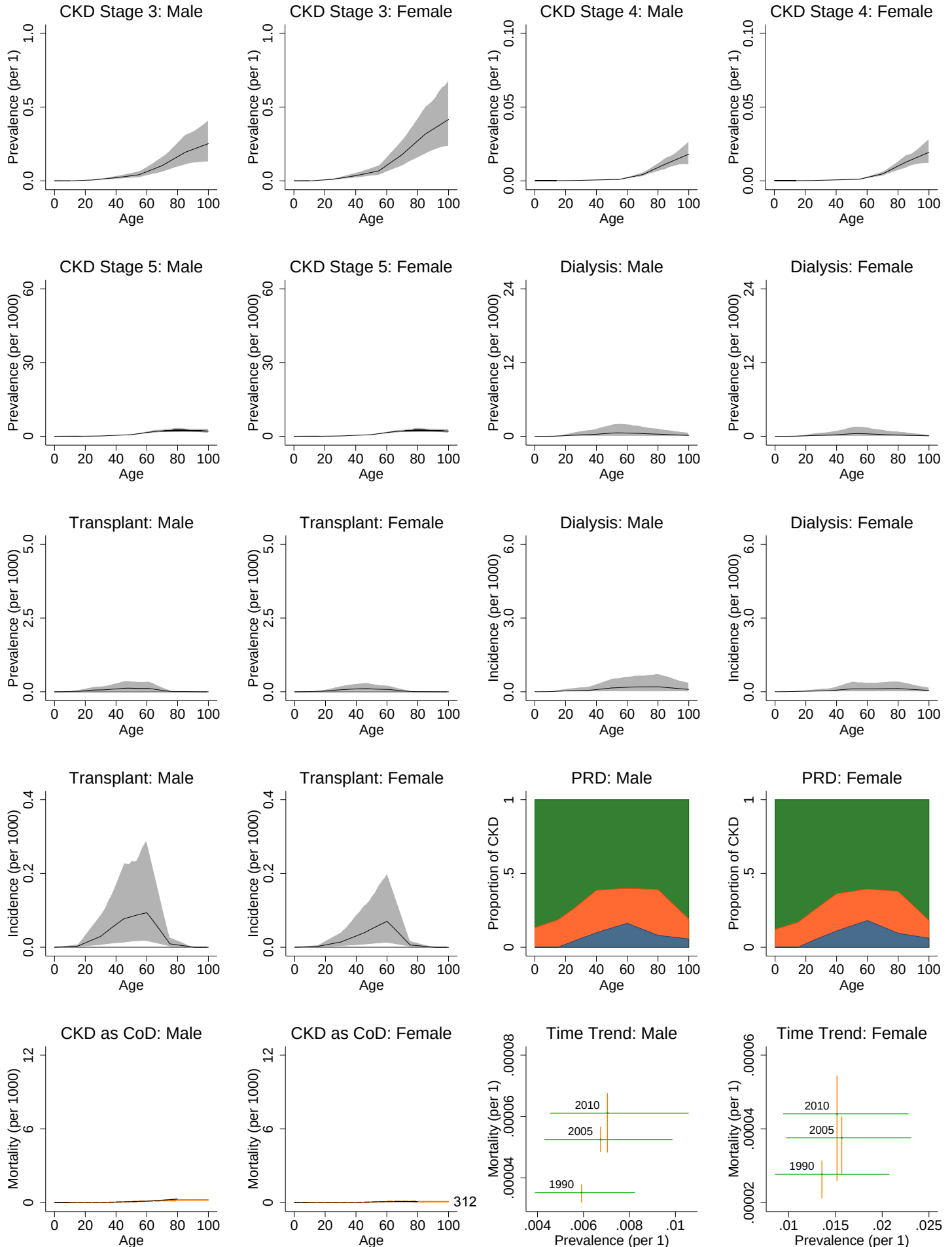
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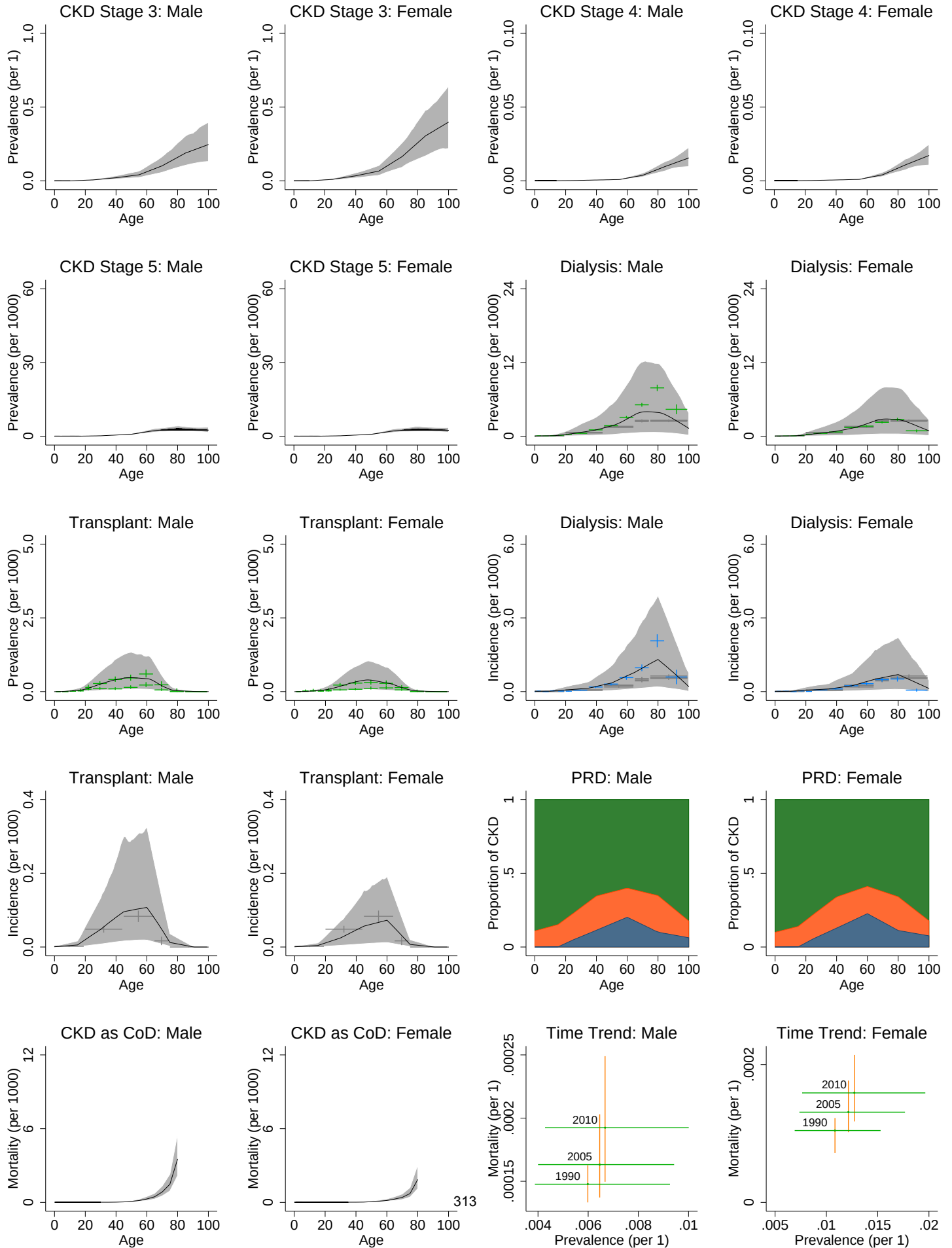
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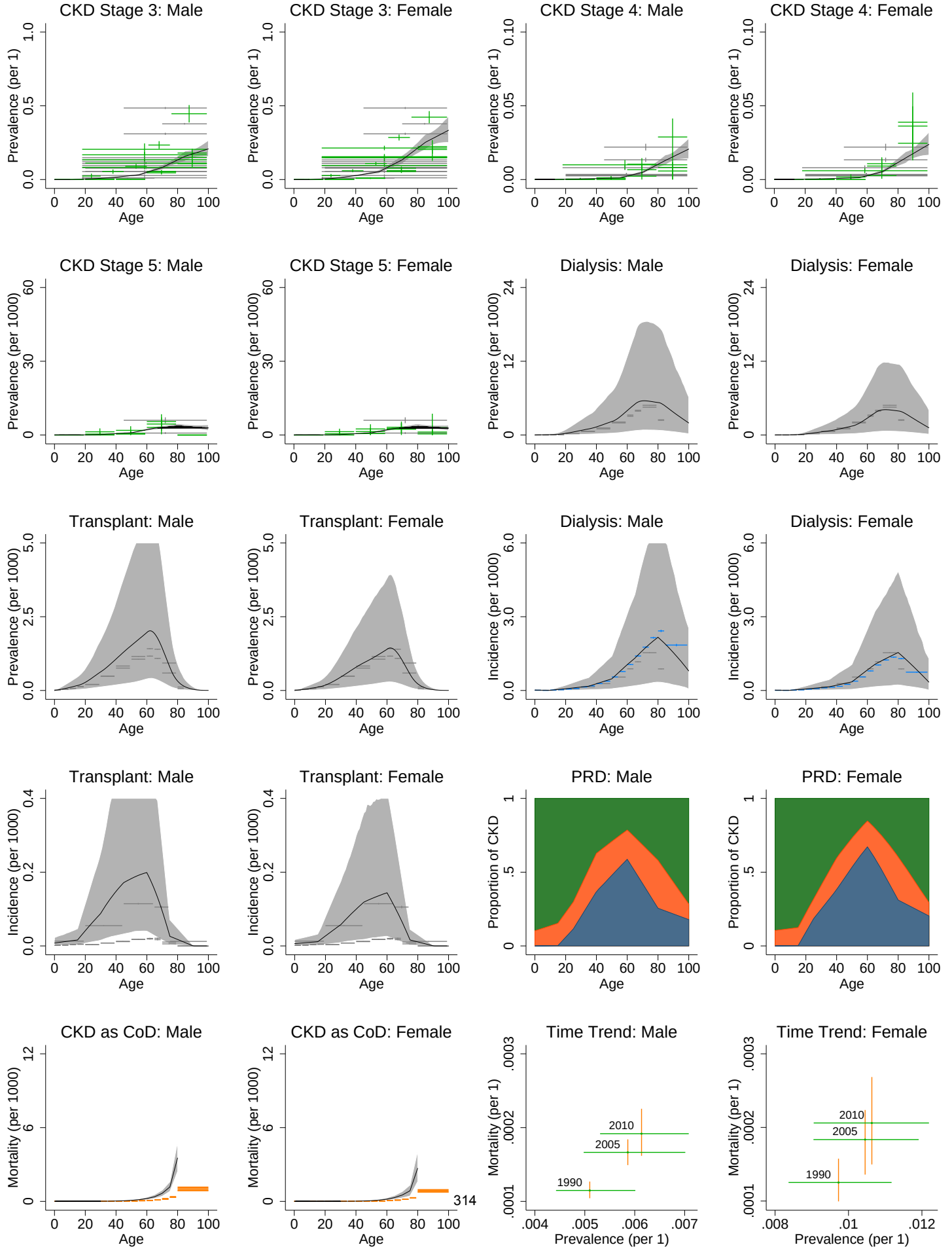
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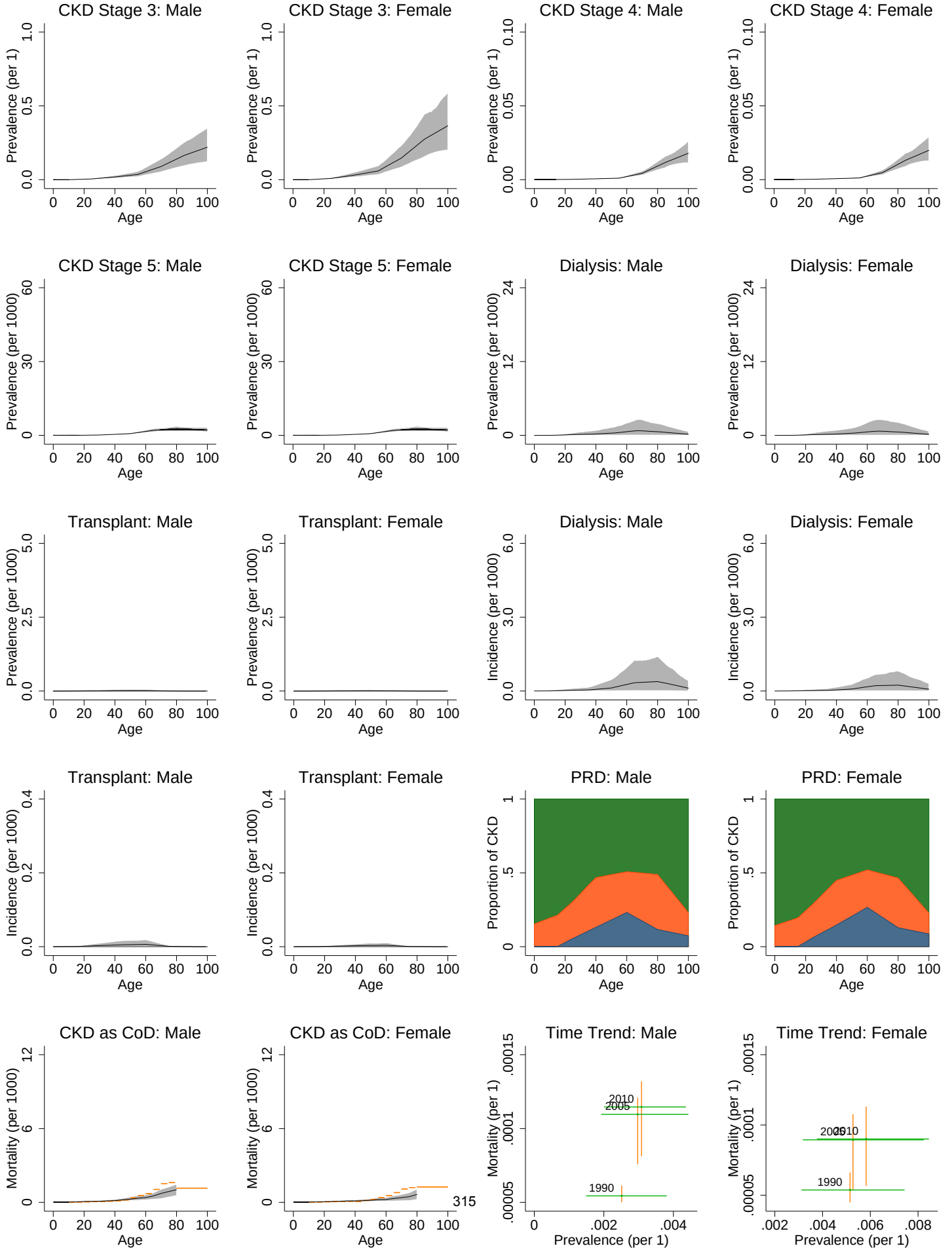
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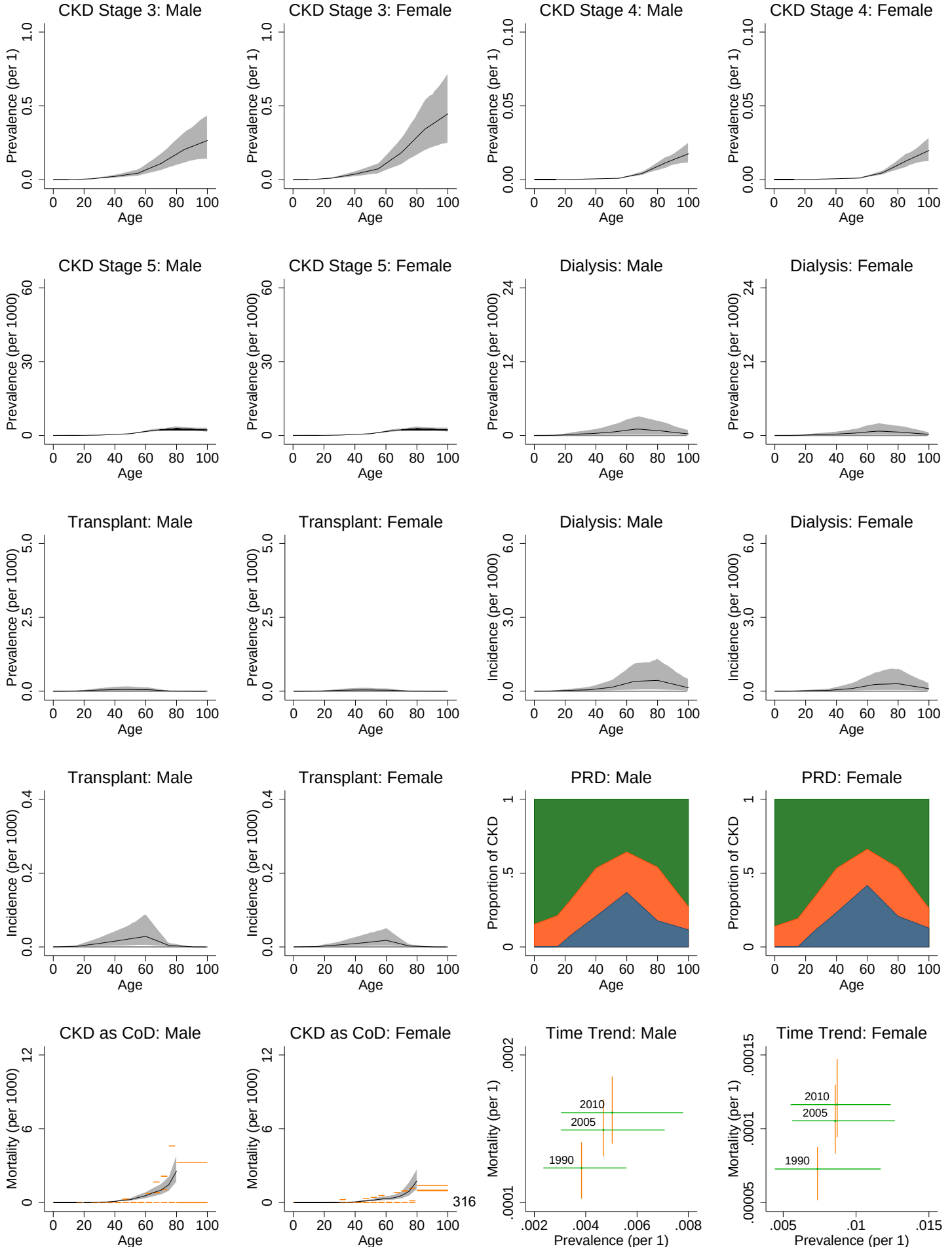
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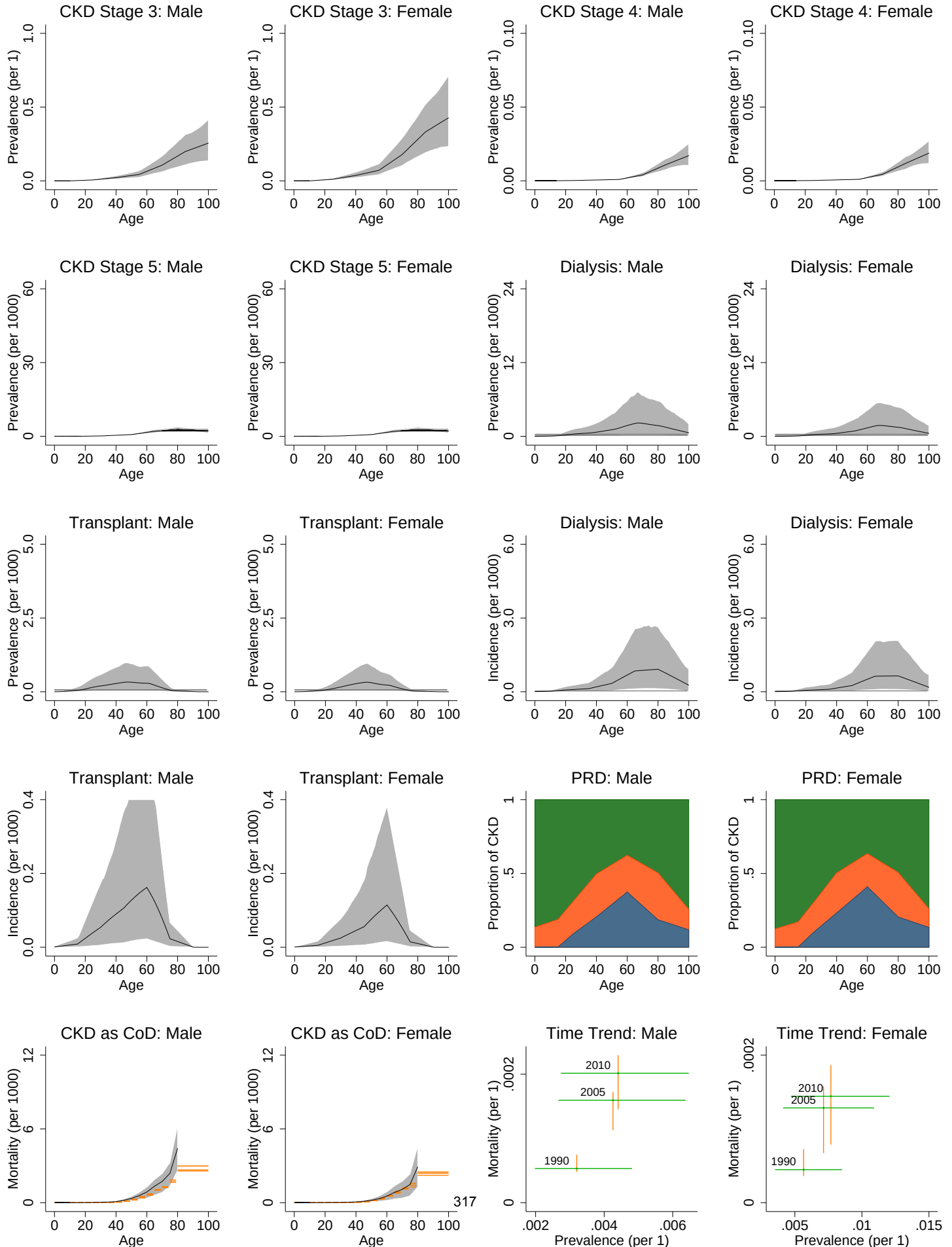
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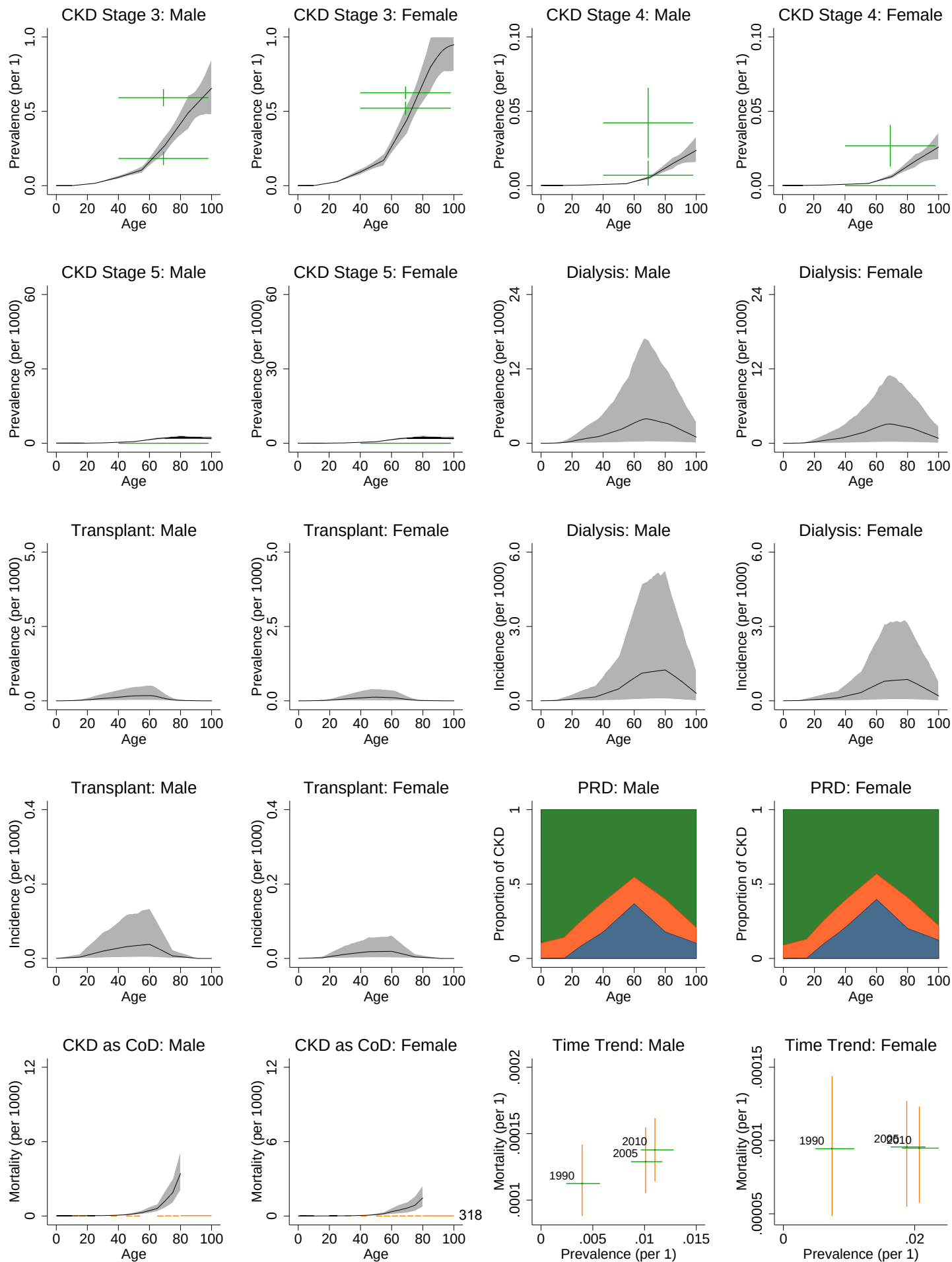
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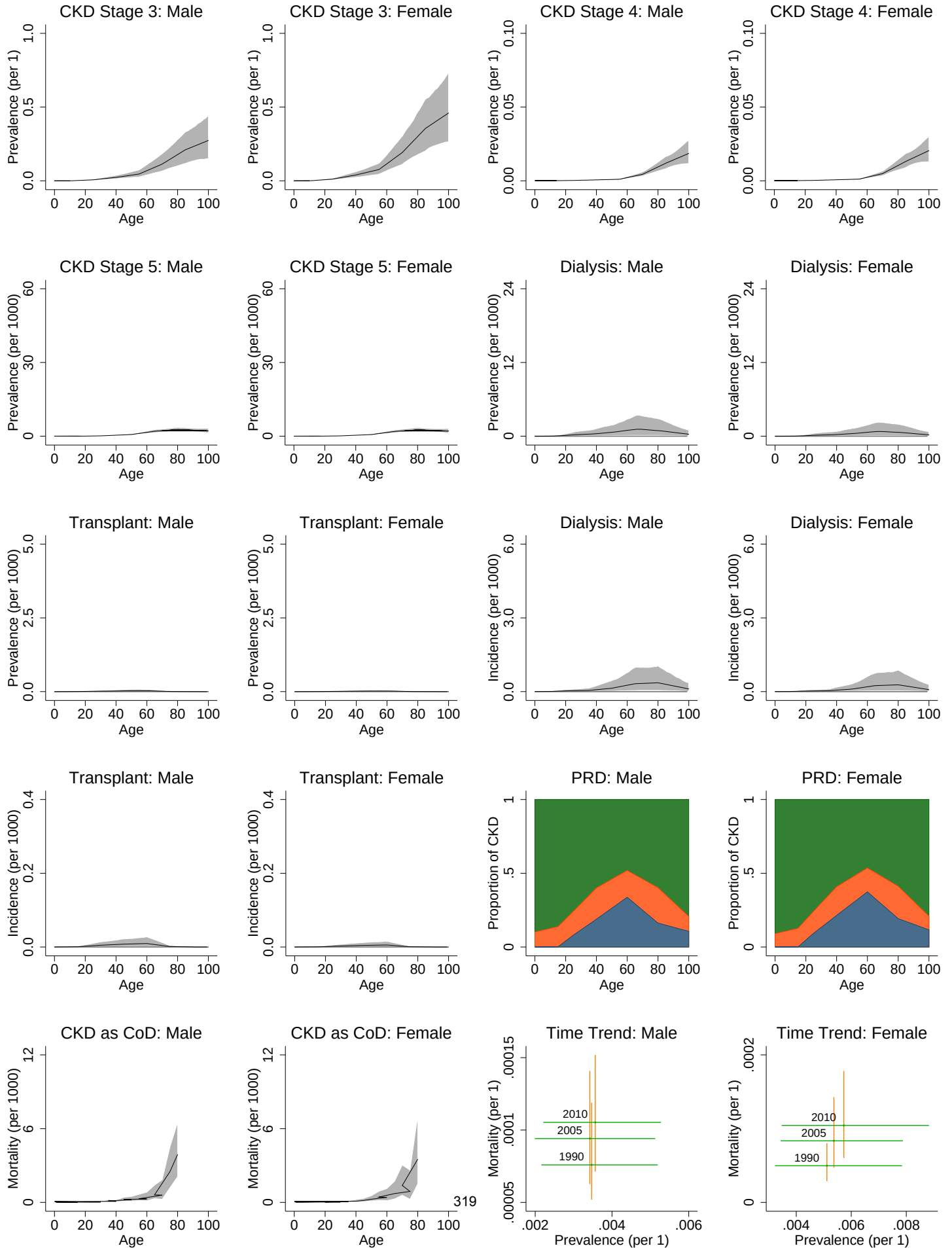
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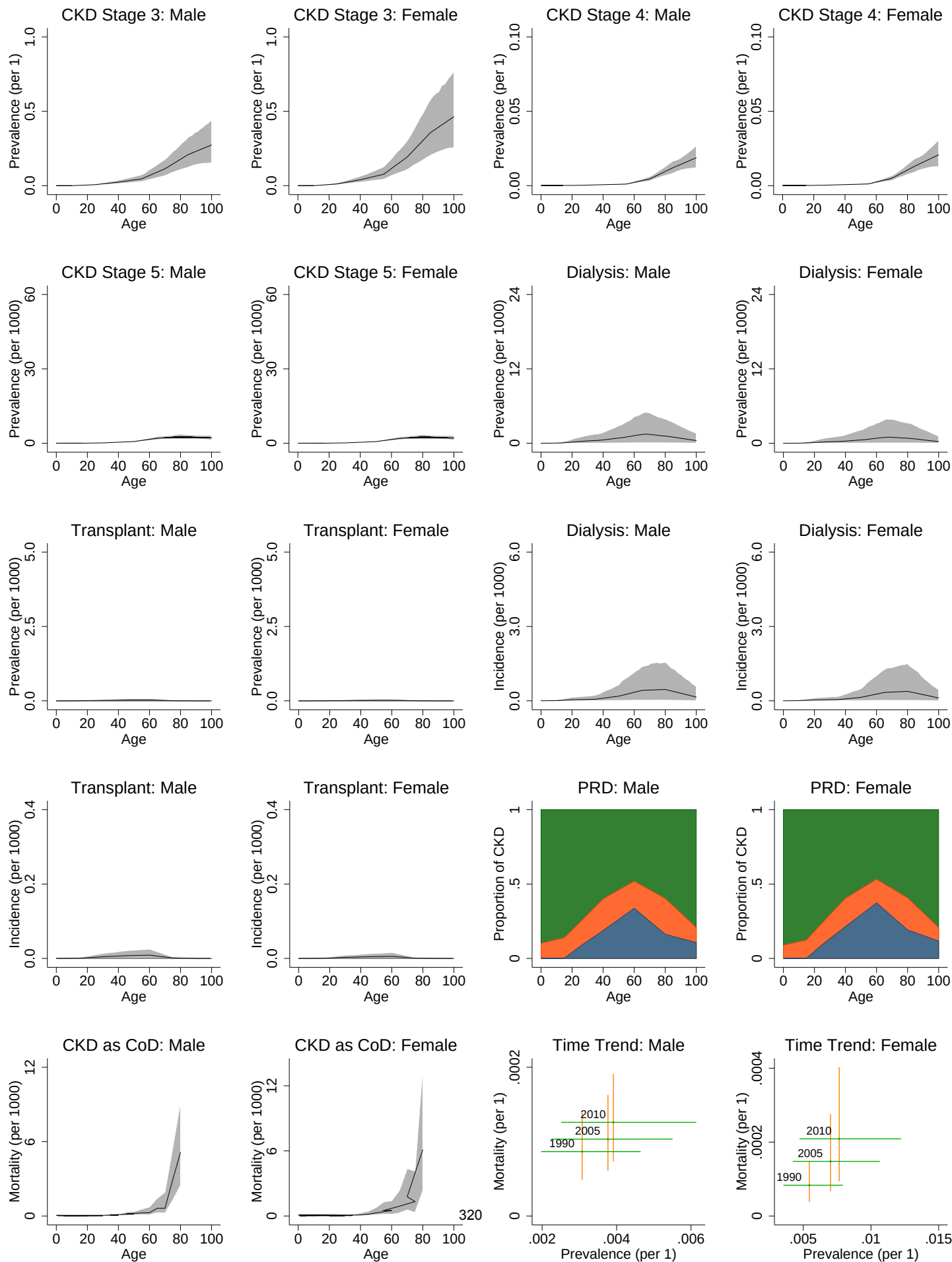
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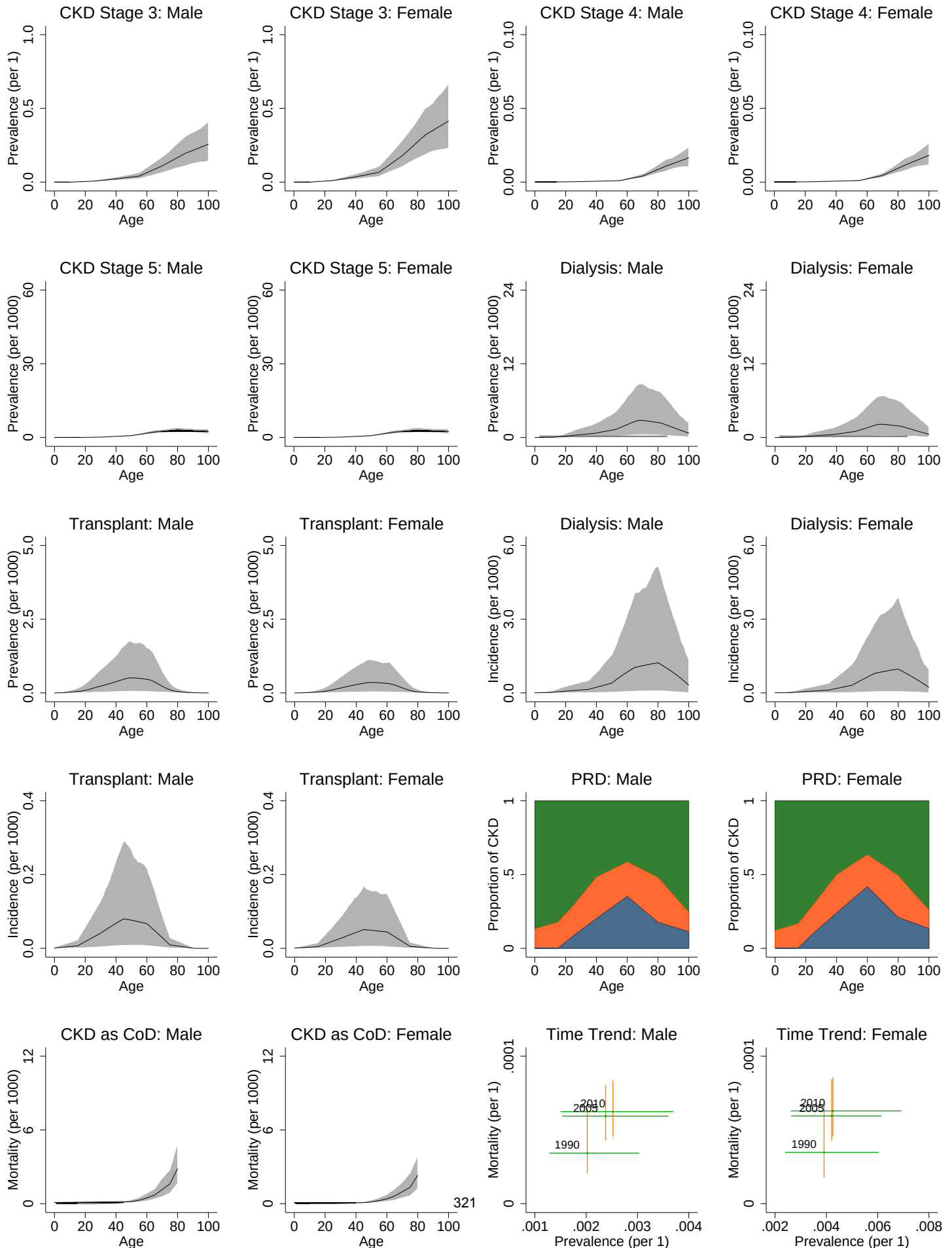
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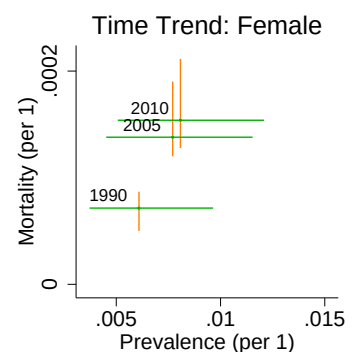
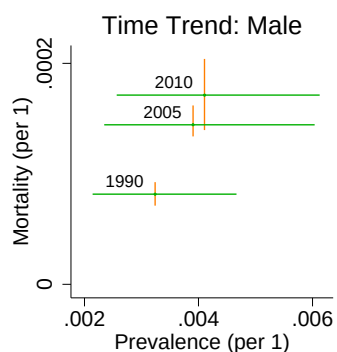
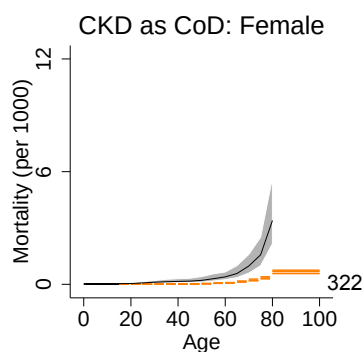
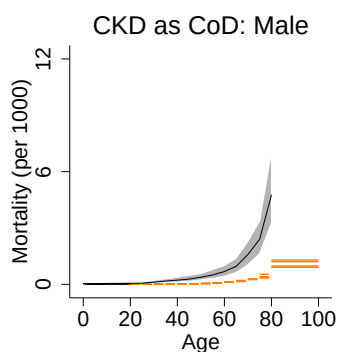
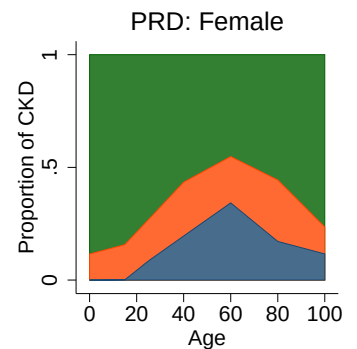
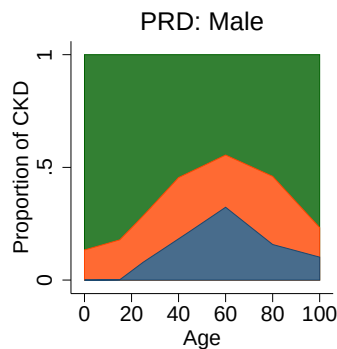
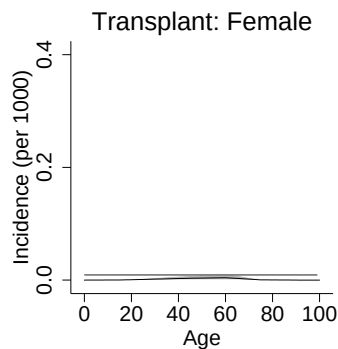
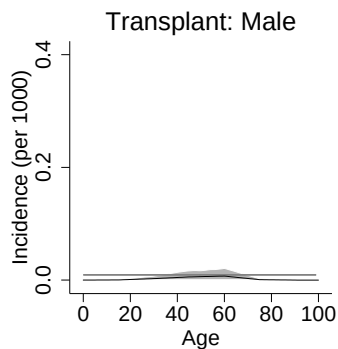
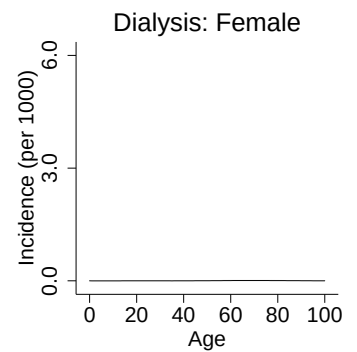
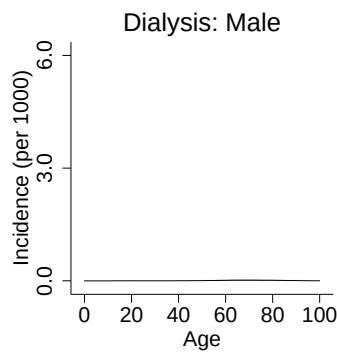
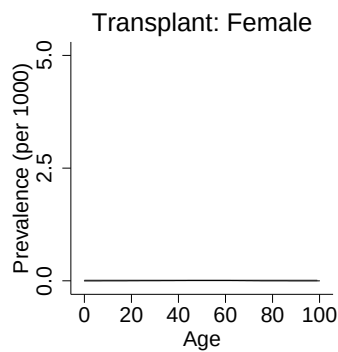
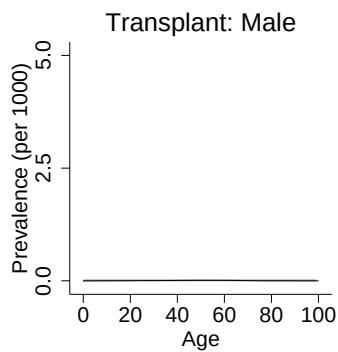
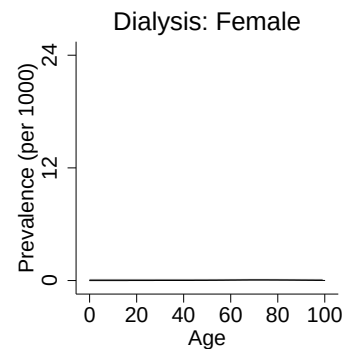
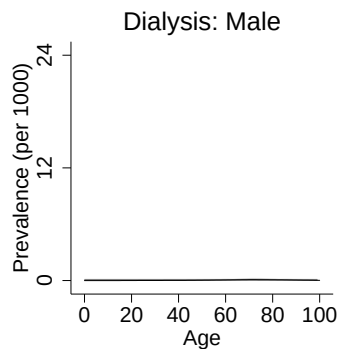
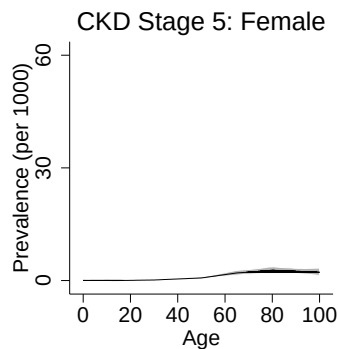
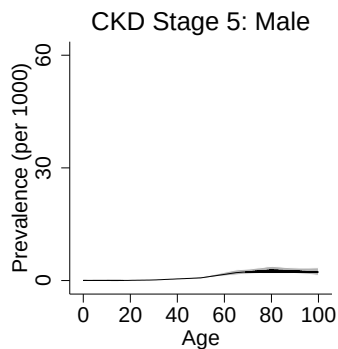
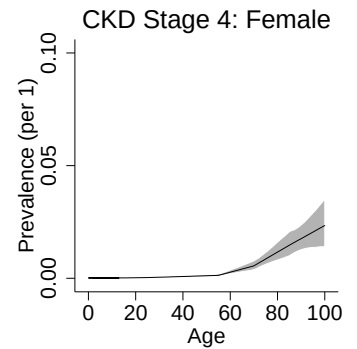
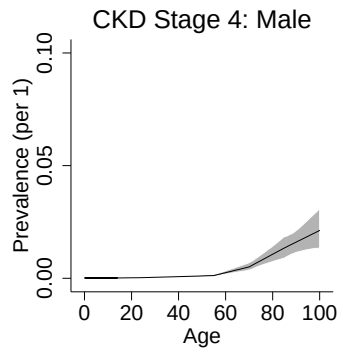
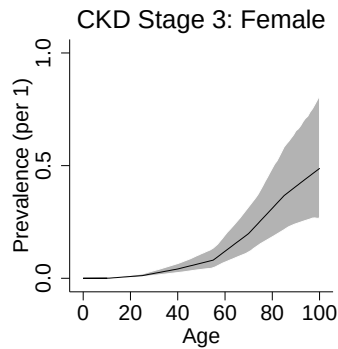
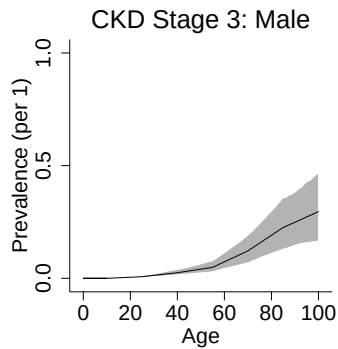
WSM 2010 Estimates



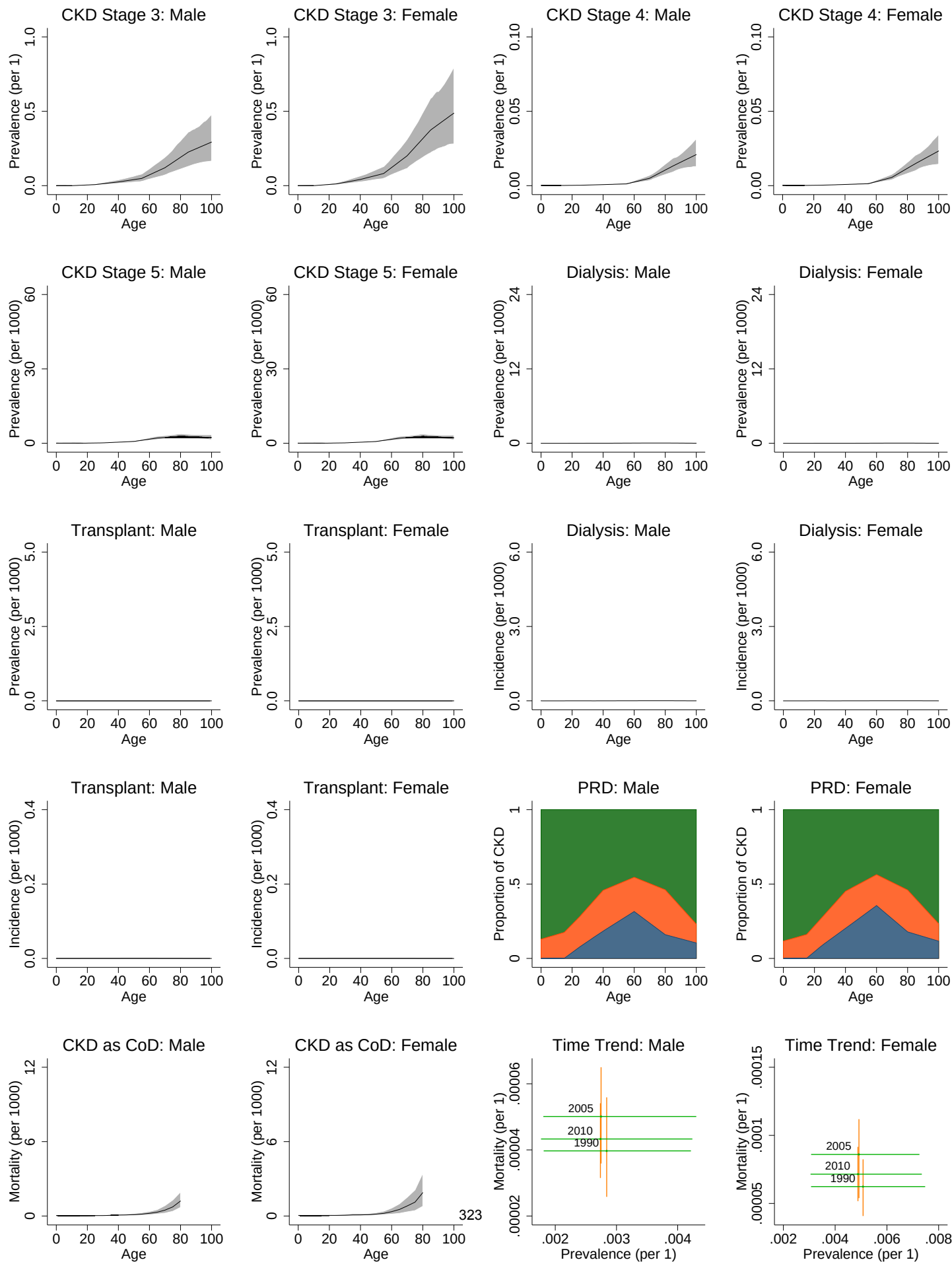
YEM 2010 Estimates



ZAF 2010 Estimates



ZMB 2010 Estimates



ZWE 2010 Estimates

