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Supplementary appendix

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Appendix to Global, regional, and national levels and causes of maternal mortality during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013

This appendix provides more methodological detail on the maternal mortality estimation process, details on DisMod-MR 2.0 implementation, and country tables of numbers of deaths for five-year age-groups from 1990 to 2013.

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1. Supplemental Methods: Maternal Mortality Estimation

1.1 Data

Appendix Table 1 provides the sources of data used for each country for computation of the MMR. These have been identified through multiple mechanisms. As part of the GBD 2013, we systematically collate vital registration data reported by countries directly on their websites or through reports and reported to the World Health Organisation. Through the network of collaborators working on the GBD 2013 various other national sources have been identified and included in the study. 73 separate country surveys released up through March 1st 2014 have been analysed. Where microdata have not been reported, we have used results in DHS reports. We have searched websites, the Global Health Data Exchange and international compendiums such as IPUMS for census data that included questions on pregnancy related death. We updated the literature reviews conducted by Hogan et al and Lozano et al. We identified country-specific maternal mortality studies using the country name and “maternal mortality” or “maternal death” or “MMR” in PubMed. This search produced 793 results. The results were screened by title and abstract. After this screening a total of 88 articles were obtained in full text format for further review. Of those reviewed, 40 were excluded as not having relevant data to inform mortality estimation and 48 were extracted for inclusion in the database. A flow chart of this review is shown in Appendix Figure 1.

Appendix Table 2 tabulates all ICD-9 and ICD-10 codes as assigned to maternal conditions. Of note, ICD-10 but not ICD-9 includes late maternal deaths between 6 weeks and 1 year after termination.¹ MDG guidance for cross-country comparisons of the MMR recommends that all HIV-related deaths during pregnancy or within 6 weeks should be included in the MMR but the UN group estimating maternal mortality uses only 50% of these deaths in their estimation.²⁻⁴ For vital registration and verbal autopsy data, maternal deaths are often misclassified as other underlying causes. In the GBD 2013, deaths assigned to causes that are unlikely to be underlying causes of death are reassigned using standardised algorithms.⁵ The causes of death that are in part re-assigned to maternal causes are shown in Appendix Table 3.⁶ DHS and RHS micro-data on sibling deaths that were pregnancy-related were re-analysed by single year using Gakidou-King weights to deal with potential survivor bias.⁷ Where different DHS surveys provided data on reproductive aged deaths and the number that were pregnancy related for the same year, we have pooled results for that year to reduce stochastic measurement error. To deal with problems of zero counts in vital registration or sibling histories for a given age-group in a given year, we use a Bayesian noise reduction algorithm. For this algorithm, we assume a normal prior and a normal data likelihood. We estimate the normal prior for a given country series of data such as vital registration for a revision of the ICD or sequence of DHS surveys in a country by estimating a negative binomial for the fraction of deaths in each age-group due to maternal causes with dummy variables for age and year. These regressions are country specific so borrowing strength over age is only within a data type in a country. The variance of the prior, τ^2 , is estimated from the negative binomial regression taking into account the variance-covariance matrix of the regression coefficients. For the data variance, we use the Wilson approximation which provides an estimate of σ^2 even in cases with a zero count of maternal deaths. The posterior estimate for each data points is

$$\text{Mean} = \left(\frac{\tau^2}{\tau^2 + \sigma^2} X + \frac{\sigma^2}{\tau^2 + \sigma^2} \mu \right)$$
$$\text{Variance} = \left(\frac{\tau^2 \sigma^2}{\tau^2 + \sigma^2} \right)$$

Where X is the mean of the data and μ is the mean of the prior. This approach to noise reduction avoids the problem that zero counts in a ln rates model or a logit cause fraction model will be dropped from the regression and lead to upward bias in the estimates. This is particularly important in two settings: high-income countries with small numbers of maternal deaths and in the analysis of sibling history data where for any given age-group in any given year the number of deaths reported in the survey that are pregnancy-related or the number of deaths from all causes in that age group may be small.

1.2 Modeling

Following Lozano et al and the GBD 2010, we use CODEm to model maternal mortality.^{8,9} The Cause of Death Ensemble Model (CODEm) is based on five general principles: identifying all available data, maximising 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.¹⁰ 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.

We first identified a range of plausible covariates for maternal conditions based on the published literature. We divided these covariates into three groups based on the strength of epidemiological evidence: 1) Level 1 covariates for which there is strong evidence and a biologically plausible pathway, 2) Level 2 covariates for which there is some evidence but with a less direct causal pathway, and 3) Level 3 covariates where there is general correlation evidence for a relationship as observed in previous time series or cross-sectional studies. Appendix Table 4 lists the candidate covariates, priors, and levels for the overall maternal conditions CODEm model based on physician judgment and literature review of risk factors related to maternal conditions.

For a covariate to be included, we needed to have a comparable, complete time series for 1980 - 2010. Transformations were performed based on the observed relationship between rates or cause fractions and the covariate of interest untransformed or transformed – if the relationship between the transformed covariate and the rate or cause fraction was more linear than the relationship between the untransformed covariate, the transformation was included. We used the natural log transformation of total fertility rate, neonatal death rate, and lag-distributed income as the result of such analyses. On the basis of this published work and previous theory, we selected age-specific fertility rate (ASFR), log transformed total fertility rate, in-facility delivery, skilled birth attendance, antenatal care visit coverage, education, HIV prevalence, log-transformed neonatal death rate, malnutrition levels, log transformed lag-distributed income (LDI) per capita and health system access (an aggregate measure of hospital beds per capita, in-facility deliveries, vaccination coverage, and other health system indicators produced by IHME).¹¹⁻¹⁵

In the first step, we run regressions for all possible combinations of Level 1 covariates. We run regressions for models where the dependent variable is the rate in logarithmic scale by age and models where the dependent variable is logit cause fraction by age. All models, where the signs for all covariates in that model are in the expected direction and the coefficient is significant at the $p < 0.05$ level, are retained. Level two and three covariates are then added to these models using a forward stepwise technique which is not order dependent. This is achieved by starting the forward stepwise evaluation for each base model over for each category two covariate. Models which are subsets of other models at levels two or three were dropped. A total of 325 unique combinations of covariates (114 for cause fractions, 211 for death rates) were kept where the coefficient for a covariate was significant at the $p < 0.05$ level and in the expected direction. Counting the covariates' being run as both simple mixed effects and spatiotemporal models, this resulted in a total pool of 650 retained component models, out of 15 312 component models tested.

As per Lozano et al, the ability of each of these models to make accurate predictions is formally evaluated.⁸ We created 50 train-test-test splits. For each of these datasets, we randomly assign 70% of the data to the train set, 15% to the test 1 set, and the last 15% to test 2. The assignment of the data to train and test is implemented so that the pattern of holding out the data for the test datasets mimics the pattern of missingness in the full dataset. For each train dataset, we re-estimate each of the proposed models including both the linear model and the spatial-temporal model. We use the results of the models estimated on the training data alone 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 test of how each model will perform for maternal mortality where the data are sparse or missing.

Predictive validity was evaluated using three metrics. First, we evaluated how well each model predicts age-specific death rates using the RMSE of the natural log of the death rate. Log death rates are comparable across age-groups so that we were able to pool results from model performance across age groups with quite different underlying rates. Second, we also want models that predict accurate trends. To do this, for the test data, we compared the predicted slope for every time interval from 1 to 5 years and compared it to the slope from the held out data. We computed the RMSE for the predicted slope. Finally, we also wanted models that generate plausible prediction intervals so we computed the percent of the data in the test set included in the 95% prediction interval. The prediction interval was based both on the uncertainty in the predicted death rate and the data variance for each observation.

Following Lozano et al, the best overall results in terms of RMSE and trend were yielded by the ensemble model with a Psi value of 1.22.⁸ This value of Psi results in draws ranging from 180 for the top performing model to 0 for the worst performer, as detailed in Appendix Table 5. For comparison it also shows the results for the best single model. The best component model was a spatiotemporal model on the logit of the cause fractions, with education (years per capita), total fertility rate (log-transformed) and lag distributed income per capita (log-transformed) as the component covariates. The ensemble model has slightly better predictive validity on both RMSE and the trend test, particularly out-of-sample. In addition, the coverage of the ensemble model is larger than that of the component model. This finding is in line with the published literature on ensemble models which in general tend to have more accurate uncertainty intervals. We should note, however, that the coverage of the uncertainty interval is in excess of 98.3% suggesting that we have overestimated uncertainty intervals.

Models were initially run with no outliers marked. Based on the estimates produced by these initial models and corresponding combined RMSE and trend test scores from that ensemble model, we carefully examined all data from each site-year to look for outliers. Criteria for considering data to be outliers were as follows: 1) The source reported maternal deaths systematically and significantly lower than other data sources for the same site-year; 2) Individual data points that, because they were the sole data from that site-year, were seen to impart obvious inconsistencies in time or age trend to the model; and 3) Data from selected age groups or years where despite the VR and DHS smoothing algorithms had implausible cause fractions or death rates.

1.3 Age-Specific Fertility Rate Estimation, ages 10-14

Age-specific fertility rate estimates were available from the United Nations Population Division (UNPOP) for ages 15-49. To estimate ASFR for the 10-14 age group, we set fertility in ages 5-9 equal to 0. Then fit country-year specific local polynomials of degree 1 with a Gaussian kernel on fertility rate across ages.¹⁶ We then used a direct plug-in method to choose the bandwidth and if this fails to produce a bandwidth estimate, set the bandwidth equal to 2.¹⁷ We used the resulting estimates for ages 10-14 only and retain the original point estimates for the other ages. If this local polynomial procedure results in negative ASFR, then we instead use a linear interpolation between the nearest ages. After all of this, we adjust ASFR for ages 10-14 by adjusting for menarchal age as determined by three recent studies.¹⁸⁻²⁰

1.4 HIV Correction

As noted in the body of the text, we have made no changes to the approach for dealing with misclassification of maternal deaths in vital registration data. We have, however, modified the method used for estimating the number of maternal deaths associated with HIV. Many studies have failed to find increased mortality in HIV+ pregnant mothers, but those who have advanced HIV are known to have increased baseline mortality. Previously we have not distinguished between deaths in HIV+ women that were caused by pregnancy and those for which the pregnancy was incidental to their death. In order to more explicitly quantify the contribution of pregnancy to death in HIV+ women, and therefore more accurately estimate the maternal death count, we completed two additional analyses. First, we determined the population attributable fraction (PAF) of HIV to pregnancy-related death. Second, we determined the proportion of pregnancy-related deaths in HIV-positive persons that are aggravated by pregnancy and are therefore by definition maternal deaths.

$$PAF = \frac{p * (RR - 1)}{1 + p * (RR - 1)}$$

Where *PAF* is the population attributable fraction, *p* denotes the prevalence of HIV in pregnancy, and *RR* is relative risk of mortality in HIV+ vs HIV- pregnant females.

For the first part of the analysis, we used the paper published by Calvert and Ronsmans to identify sources that could inform Step 1 of our HIV-correction analysis. We independently reviewed each of the component studies in Calvert and Ronsmans' review and extracted data directly, not from the systematic review paper. We only identified one additional study that was not used in Calvert and Ronsmans' analysis. We have, however, not used all the studies included in that review. Specific details are as follows: 1) Figueroa-Damian, et.al was excluded for not including any postpartum deaths at all. 2) In the case of Ryder, et. al. and Zvandasara, et.al. we excluded those deaths > 12 months after delivery. 3) We excluded the results from Chilongozi, et. al. from the site that did not include any HIV negative patients. 4) Leroy, et.al. was not in the bibliography. We could not locate it for review so it was excluded. 5) Kourtis et. al. was extracted with adjustment of the denominator based on the average number of hospitalisations per delivery in each group. 6) Ticconi, et. al. was excluded for being both non-representative and including subgroup data from mothers with malaria infection. A total 21 sources were included in our analysis of the increased mortality risk of HIV+ versus HIV- women in pregnancy.²¹ We performed DerSimonian-Laird random effects meta-analysis to derive a pooled estimate of *RR* of death during pregnancy given HIV positivity.²² The pooled effect size was 6.40 (95% UI 3.98 – 10.29) which was then used to calculate an HIV *PAF* for each country, age group and year. Prevalence of HIV in pregnancy estimates came from the UNAIDS Spectrum database, which incorporates observed age-dependent differences in fertility amongst HIV positive women to predict HIV prevalence in pregnancy. Spectrum predicts HIV-positive 15-19 year olds have fertility of 1.2 times that of HIV-negative. For ages 20-24 the ratio is 0.76, decreasing eventually to 0.47 in 45–49 year olds.

The country-year-age group-specific *PAF* was applied to the entire envelope of maternal deaths that was estimated by CODEm. In order to determine the proportion of those HIV-related deaths that were attributable to maternal causes, we performed a second systematic literature review. This time we sought evidence for the excess mortality risk of pregnancy in those women who are already HIV positive. Most studies have failed to find such an effect, but most also did not stratify their study population by stage of HIV or ART status. Only two studies did this stratification, with a pooled effect size of 1.13 (95% UI 0.73 – 1.77).^{23,24}

1.5 CoDCorrect

To ensure consistent our estimates of maternal mortality are consistent with all other causes for every country, age, sex and year group, we employed a simple algorithm called CoDCorrect. At the level of each draw from the posterior distribution of each cause, we proportionally rescaled every cause such that the sum of the cause-specific estimates equaled the number of deaths from all causes generated from the demographic analysis.²⁵

2. Supplemental Methods: Maternal Causes and Timing of Death

2.1 Data

We modeled aetiology of maternal death for six causes in GBD 2010: maternal haemorrhage, maternal sepsis, hypertensive disorders of pregnancy, obstructed labor, abortion, and “other maternal conditions”. For this analysis we have expanded to nine causes including the first five above as well as “other direct maternal conditions”, “other indirect maternal conditions”, late maternal death and HIV. Our general approach was the same as used for GBD 2010. In that analysis, we used data from a combination of vital registration, verbal autopsy, burial, census, sibling history, and surveillance sources. We updated these datasets with systematic literature review, searching for maternal mortality studies by cause with the terms “maternal mortality”, “maternal death”, “MM”, or “confidential enquiry,” or “obstetric” or “pregnancy” and “aetiology” or “cause pattern” and “death” or “mortality.” The cause-specific literature review yielded 1217 results. 171 were reviewed in full text. A total of 110 were excluded for not having relevant data. 61 articles were found to have relevant data and were included in the database.

We have not previously estimated timing of maternal death, but given the relevance to policy and planning of potential interventions, decided to include it in this analysis. Vital registration and census data collection systems do not collate this sort of data, so we relied on systematic literature review. We used the terms “maternal mortality” to search for studies on the timing of maternal deaths in PubMed, and 8076 studies were reviewed. 629 articles were obtained in full text form and reviewed for inclusion. 142 were found to have data on the timing of maternal deaths, and were extracted for inclusion, while 487 others lacked relevant data and were excluded from analysis.

A flow chart illustrating both of these literature reviews is illustrated in Appendix Figure 1.

All vital registration and sample registration data that provided ICD-coded detail for causes of maternal mortality were included as well. To increase the precision of input data, we combined each two year period (e.g. 1980 and 1981) into a single datum, we excluded any site-year where the total number of maternal deaths was less than ten, and excluded those data with a maternal cause-fraction of less than 3% or greater than 45%, respectively the highest and lowest cause fractions found in the literature for any subcause. This processing resulted in a total of 943 distinct site-years (1886 site-years prior to pooling) of data available for modeling causes of maternal death.

2.2 Modeling of timing and causes of maternal death

We used DisMod-MR 2.0 to model the data on the causes and timing of maternal death. The fundamentals of DisMod-MR 2.0 are outlined below. The study-level covariates and country-level covariates used for each model are shown in Appendix Table 7.

2.3 DisMod-MR 2.0 description and implementation

DisMod-MR was developed for the GBD2010 study to deal with the many challenges in estimating the prevalence of non-fatal health outcomes and risk factor exposures. The information gathered by systematic reviews of published studies, grey literature sources and survey data varied tremendously for each outcome of interest in terms of the volume of data, methods used to collect the data, geographical and temporal coverage, and the type of epidemiological parameter. The goal was to find the true variation in the occurrence of diseases and risk factors for every country and over time.

Estimates of prevalence (or any of the other epidemiological parameters of interest: incidence, remission, duration and risk of mortality) for the same populations often varied by much more than would be expected based on sampling error. Differences in data collection methods such as sampling design, case definitions, measurement instruments and implementation issues, contributed to large non-sampling error. There are two approaches to deal with this heterogeneity. One could set criteria for the optimal measurement of each disease parameter of interest and include only those studies that meet that high standard. This would make measurements comparable but would leave out the vast majority of information available. In GBD, the preferred approach is to make use of all available data that meets a minimum standard of acceptable quality and address major differences in measurement methods by adjusting data for any systematic bias introduced by a study quality characteristic relative to a chosen reference value. This was done by identifying for each disease or risk factor exposure the important study characteristics that can help explain the variation in measurements and flag data points that deviate from the chosen, optimal, reference value with a covariate. DisMod-MR then estimated a coefficient for each chosen study covariate and adjusted the data accordingly.

To help make estimates for countries and time periods for which little or no data were available, DisMod-MR would predict based on country characteristics and random effects on super-region, region and country. For this purpose a database of country covariates for 93 topic areas and 242 variants thereof was created. Missing data were filled in using Gaussian process or space-time regression methods to ensure a complete set of values for each covariate for

every country and every year from 1980 to present. If no country covariates were specified and no data were available, a country estimate would revert to the average of a region, super-region or the world.

DisMod-MR dealt with any specification of age ranges by which data were available to produce estimates by the 20 standard GBD age groups. It also allowed the user to add strong prior knowledge on the age at onset or age pattern of prevalence or incidence such as restricting the occurrence of pre-menstrual syndrome to fertile ages or stipulating that there are no cases of Parkinson's disease before age 30. All these functions were new in DisMod-MR compared to earlier DisMod version used in previous GBD studies which required an analyst to choose one particular data source for a given disease parameter rather than being able to evaluate all available data. Hence the tool was renamed DisMod-MR, the suffix indicating the important meta-regression component. DisMod-MR also accommodated the main functionality of the earlier DisMod tools, i.e. confronting the data from different disease parameters and forcing consistency between these based on differential equations that determine the flow of cases in a stable population between those disease-free and prevalent cases of disease (through incidence or remission) and those in either category that die from other causes (other-cause mortality) and the disease of interest (cause-specific mortality).

To accommodate all functions, DisMod-MR was designed as a Bayesian meta-regression tool using a generalised negative binomial model with fixed effects on age, study and country level covariates as well as random intercepts for country, region and super-region. Greater detail on DisMod-MR has been published in a web-appendix to the paper on non-fatal health outcomes in GBD2010.²⁶

While DisMod-MR successfully addressed many of the major challenges in the estimation of non-fatal health outcomes and risk factor exposures it had a number of drawbacks which we have tried to solve for GBD 2013 by creating an updated version of the tool, DisMod-MR 2.0. The biggest drawback was the computing time required. Each disease model needed to run between 4 and 24 hours on a large computer cluster to produce results for all countries and three time periods (1990, 2005 and 2010). Moreover because of computational constraints a decision had to be made to restrict the consistency checks at the level of 21 regions only. To make country estimates, the relevant fixed effects on study and country covariates and the random effects for each country were applied. While this produced defensible estimates of prevalence it did not guarantee coherence between prevalence and other disease parameters such as incidence and excess mortality rates at the country level.

The code for DisMod-MR 2.0 was rewritten and optimised to run up to 50 times faster than DisMod-MR. A decision was also made to shift to an offset log-normal rather than a negative binomial model as this is easier to implement and because predictive validity tests carried out in DisMod-MR indicated that the statistical properties the two types of models were at least equivalent.

The much faster running time of the core computational engine in DisMod-MR 2.0 allows us to better evaluate all the data through a geographical cascade of four levels. At first, all the world's data are evaluated to estimate the fixed effects on age, sex, study level and country level covariates as well as a first pass at estimating the random effects for countries, regions and super-regions. The outputs of the global level are then used as prior information for the next, super-region level of the cascade. A single age pattern for both sexes and all years of interest is created with uncertainty bounds. All data points that are marked as pertaining to both sexes or flagged with a covariate for a study characteristic (e.g. a less than optimal case definition or a low response rate) are adjusted at this stage to reflect what the likely value would have been if the study had specified sex and/or used the reference study characteristic. The data are also split up between super-regions and, optionally, by time period and sex. Using the global prior and the adjusted data values for each super-region are re-estimated using the same core computational engine. While there is flexibility whether to re-assess fixed effects on sex or study level covariates at this level, the default option is to adjust the data by the sex and study-level covariates after the global level fit, only. At each successive level of the cascade the fixed effects on country-level covariates are re-evaluated and centered on the average of values for the countries that make up a super-region or region. Similarly, random effects are re-evaluated

for just the countries in a given geography. It logically follows that no fixed or random effects are re-evaluated at country level. After fitting the model to each of the super-regions, the results are fed as priors to the region-specific fits and finally, region fits are used as a prior when modelling a country's results for a particular time period.

A new interface was created to draw relevant data for each disease, sequela or risk factor to be modelled, to apply all the default and optional settings and to visualise results. The analyst has a lot of choice to set model parameters to suit any given disease or risk factor of interest. There is a setting to define the age mesh point at which DisMod-MR 2.0 does its calculations. The default setting is to use 21 age mesh points that define the 20 GBD standard age groups. For each study-level and country-level covariate the analyst can set a reference value and upper and lower values for the coefficients. The inclusion of cause-specific mortality rates by age and sex from GBD's mortality estimates is optional. An alternative method of informing a model with mortality data is by using the log of the age-standardised mortality rate as a country-level covariate. Other examples of the basic settings include a value for the parameter that determines the amount of smoothing over the age curve and is denoted by Greek letter 'xi' (ξ); the value of the offset for the lognormal ('eta' or η) for which the default setting is at one per cent of the median of available data values for a parameter or 0.0001 in case there are no data for that parameter; and a range of values for the parameter 'zeta' (ζ) that determines how much 'noise' the analyst allows DisMod-MR 2.0 to estimate for a parameter. The latter function is useful to the analyst. When DisMod-MR 2.0 estimates zeta close to the upper threshold it indicates there is a lot of noise in the data or it may be an indication that there are data entry errors that deserve attention.

Analysts have the choice of using a Gaussian, log-Gaussian, Laplace or Log-Laplace likelihood function in DisMod-MR 2.0. The default log-Gaussian equation for the data likelihood is:

$$-\log[p(y_j|\Phi)] = \log(\sqrt{2\pi}) + \log(\delta_j + s_j) + \frac{1}{2} \left(\frac{\log(a_j + \eta_j) - \log(m_j + \eta_j)}{\delta_j + s_j} \right)^2$$

where, y_j is a 'measurement value' (i.e. data point); Φ denotes all model random variables; η_j is the offset value, eta, for a particular 'integrand' (prevalence, incidence, remission, excess mortality rate, with-condition mortality rate, cause-specific mortality rate, relative risk or standardised mortality ratio) and a_j is the adjusted measurement for data point j , defined by:

$$a_j = e^{(-u_j - c_j)} y_j$$

where u_j is the total 'area effect' (i.e. the sum of the random effects at three levels of the cascade: super-region, region and country) and c_j is the total covariate effect (i.e. the mean combined fixed effects for sex, study level and country level covariates), defined by:

$$c_j = \sum_{k=0}^{K[I(j)]-1} \beta_{I(j),k} \hat{X}_{k,j}$$

with standard deviation

$$s_j = \sum_{l=0}^{L[I(j)]-1} \zeta_{I(j),l} \hat{Z}_{k,j}$$

where k denotes the mean value of each data point in relation to a covariate (also called x-covariate); $I(j)$ denotes a data point for a particular integrand, j ; $\beta_{I(j),k}$ is the multiplier of the k^{th} x-covariate for the i^{th} integrand; $\hat{X}_{k,j}$ is the covariate value corresponding to the data point j for covariate k ; l denotes the standard deviation of each data point

in relation to a covariate (also called z-covariate); $\zeta_{l(j),k}$ is the multiplier of the l^{th} z-covariate for the i^{th} integrand; and δ_j is the standard deviation for adjusted measurement j , defined by:

$$\delta_j = \log[y_j + e^{(-u_j - c_j)}\eta_j + c_j] - \log[y_j + e^{(-u_j - c_j)}\eta_j]$$

Where m_j denotes the model for the j^{th} measurement, not counting effects or measurement noise and defined by:

$$m_j = \frac{1}{B(j)-A(j)} \int_{A(j)}^{B(j)} I_j(a) da$$

where $A(j)$ is the lower bound of the age range for a data point; $B(j)$ is the upper bound of the age range for a data point; and $I(j)$ denotes the function of age corresponding to the integrand for data point j .

3. Supplemental Results

Total maternal deaths by underlying cause for 188 countries in 2013 are shown in Appendix Table 8.

Appendix Figure 2 illustrates input data and CODEm model results before and after HIV correction for 188 countries.

4. Supplemental References

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5. Supplemental Tables and Figures

Appendix Table 1: Data sources used in CODEm

Appendix Table 1: Data source list of maternal mortality data sources used in the GBD 2013.							
SR/BMS= surveillance, and burial or mortuary surveillance. VR= Vital Registration. SIB= Sibling History. SC= Survey/Census. VA= Verbal Autopsy.							
Country	Source number	Source	SR BMS	VR	SIB	SC	VA
Afghanistan	01 - AFG	Bartlett LA, Mawji S, Whitehead S, Crouse C, Dalil S, Ionete D, Salama P. Where giving birth is a forecast of death: maternal mortality in four districts of Afghanistan, 1999-2002. Lancet. 2005; 365(9462): 864-70.					X
Afghanistan	02 - AFG	Central Statistics Organisation (Afghanistan), ICF Macro, Indian Institute of Health Management Research (IIHMR), Ministry of Public Health (Afghanistan), WHO Regional Office for the Eastern Mediterranean. Afghanistan Special Demographic and Health Survey 2010. ICF Macro.			X		X
Albania	01 - ALB	Albania Institute of Statistics (INSTAT). Albania Vital Registration - Causes of Death 1993-2010.		X			
Albania	02 - ALB	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Algeria	01 - DZA	National Institute of Public Health (Algeria). Study of Causes of Death, Transition and Health Impact in North Africa (TAHINA) Project 2002.	X				
Antigua and Barbuda	01 - ATG	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Antigua and Barbuda	02 - ATG	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Argentina	01 - ARG	Rosenstein MG, Romero M, Ramos S. Maternal Mortality in Argentina: A Closer Look at Women Who Die Outside of the Health System. Matern Child Health J. 12(4): 519-24.					X
Argentina	02 - ARG	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Argentina	03 - ARG	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Armenia	01 - ARM	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Armenia	02 - ARM	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Australia	01 - AUS	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Australia	02 - AUS	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			

Austria	01 - AUT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Austria	02 - AUT	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Azerbaijan	01 - AZE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Azerbaijan	02 - AZE	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Bahrain	01 - BHR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Bangladesh	01 - BGD	Alauddin M. Maternal mortality in rural Bangladesh: the Tangail District. Stud Fam Plann. 1986; 17(1): 13-21.					X
Bangladesh	02 - BGD	Associates for Community and Population Research (ACPR), Johns Hopkins University (JHU), Macro International, Inc, Mitra and Associates, National Institute of Population Research and Training (NIPORT), National Institute of Statistics and Demography (Burkina Faso), ORC Macro. Bangladesh Demographic and Health Survey 1993-1994, 1996-1997, 1999-2000, 2001. ORC Macro.			X		
Bangladesh	03 - BGD	Australian Agency for International Development (AusAID), International Centre for Diarrhoeal Disease Research (Bangladesh), Ministry of Health and Family Welfare (Bangladesh), National Institute of Population Research and Training (NIPORT), USAID, United Nations Population Fund (UNFPA). Bangladesh Maternal Mortality and Health Service Survey 2010.				X	
Bangladesh	04 - BGD	Fauveau V, Wojtyniak B, Chakraborty J, Sarder AM, Briend A. The effect of maternal and child health and family planning services on mortality: Is prevention enough?. BMJ. 1990; 301(6743): 103-7.					X
Bangladesh	05 - BGD	INDEPTH, International Centre for Diarrhoeal Disease Research (Bangladesh). Bangladesh - Matlab Health and Demographic Surveillance System. Dhaka, Bangladesh: International Centre for Diarrhoeal Disease Research (Bangladesh).					X
Bangladesh	06 - BGD	INDEPTH. Bangladesh - AMK Health and Demographic Surveillance System.					X
Bangladesh	07 - BGD	Khan AR, Jahan FA, Begum SF. Maternal mortality in rural Bangladesh: the Jamalpur District. Stud Fam Plann. 1986; 17(1): 7-12.					X
Bangladesh	08 - BGD	Shahidullah M. A comparison of sisterhood information on causes of maternal death with the registration causes of maternal death in Matlab, Bangladesh. Int J Epidemiol. 1995; 24(5): 937-42.					X
Barbados	01 - BRB	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Barbados	02 - BRB	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Belarus	01 - BLR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Belarus	02 - BLR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Belgium	01 - BEL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Belgium	02 - BEL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Belize	01 - BLZ	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Belize	02 - BLZ	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Benin	01 - BEN	Macro International, Inc, National Institute of Statistics and Economic Analysis (INSAE) (Benin). Benin Demographic and Health Survey 1996, 2001, 2006.			X		
Bermuda	01 - BMU	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Bermuda	02 - BMU	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Bhutan	01 - BTN	Bhutan Health Survey 1994				X	
Bhutan	02 - BTN	Bhutan Health Survey 2000				X	
Bhutan	03 - BTN	National Statistics Bureau (Bhutan). Bhutan Demographic Sample Survey 1984.				X	
Bhutan	04 - BTN	Office of the Census Commissioner (Bhutan). Bhutan Population and Housing Census 2005. Thimphu, Bhutan: Office of the Census Commissioner (Bhutan), 2006.				X	
Bolivia	01 - BOL	Macro International, Inc, Ministry of Health and Sports (Bolivia), National Institute of Statistics (Bolivia). Bolivia Demographic and Health Survey 1989, 1993-94, 1998, 2003-2004, 2008.			X		
Bolivia	02 - BOL	National Institute of Statistics (Bolivia). Bolivia National Census of Population and Housing 2001. 2009.				X	
Bolivia	03 - BOL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Bosnia and Herzegovina	01 - BIH	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Botswana	01 - BWA	Central Statistics Office (Botswana). Botswana AIDS Impact Survey 2008. Gaborone, Botswana: Central Statistics Office (Botswana).				X	
Brazil	01 - BRA	Brazilian Society for Family Welfare (BEMFAM), Macro International, Inc. Brazil Demographic and Health Survey 1986, 1996.			X		
Brazil	02 - BRA	Correia RA, Araújo HC, Furtado BMA, Bonfim C. [Epidemiological features of maternal deaths occurred in Recife, PE, Brazil (2000-2006)]. Rev Bras Enferm. 2011; 64(1): 91-7.					X
Brazil	03 - BRA	Soares VMN, de Souza KV, Freygang TC, Correa V, Saito MR. [Maternal mortality due to pre-eclampsia/eclampsia in a state in southern Brazil]. Rev Bras Ginecol Obstet. 2009; 31(11): 566-73.					X
Brazil	04 - BRA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Brunei	01 - BRN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Brunei	02 - BRN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Bulgaria	01 - BGR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Bulgaria	02 - BGR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Burkina Faso	01 - BFA	Bell JS, Ouédraogo M, Ganaba R, Sombié I, Byass P, Baggaley RF, Filippi V, Fitzmaurice AE, Graham WJ. The epidemiology of pregnancy outcomes in rural Burkina Faso. Trop Med Int Health. 2008; 13 Suppl 1: 31-43.			X		X
Burkina Faso	02 - BFA	INDEPTH. Burkina Faso - Nouna Health and Demographic Surveillance System.					X
Burkina Faso	03 - BFA	Macro International, Inc, National Institute of Statistics and Demography (Burkina Faso). Burkina Faso Demographic and Health Survey 1992-1993, 1998-1999, 2003, 2010-2011.			X		
Burkina Faso	04 - BFA	Ministry of Health (Burkina Faso). Burkina Faso Health Statistical Yearbook 2006. Ouagadougou, Burkina Faso: Ministry of Health (Burkina Faso), 2007.				X	
Burkina Faso	05 - BFA	National Institute of Statistics and Demography (INSD) (Burkina Faso), Government of Burkina Faso, United Nations Population Fund (UNFPA), United Nations Children's Fund (UNICEF), European Union (EU), National Census Committee (Burkina Faso), Central Census Bureau (Burkina Faso), World Bank Development of The National Statistical System Project, Kingdom of Denmark, Kingdom of Luxembourg. Burkina Faso Population and Housing Census 2006.				X	
Burkina Faso	06 - BFA	Ramroth H, Lorenz E, Rankin JC, Fottrell E, Yé M, Neuhann F, Ssennono M, Sié A, Byass P, Becher H. Causas de la distribución de muerte con el modelo InterVA y la codificación de médicos en un área rural de Burkina Faso. Trop Med Int Health. 2012; 17(7): 904-13.					X
Burkina Faso	07 - BFA	Würthwein R, Gbangou A, Sauerborn R, Schmidt CM. Measuring the local burden of disease. A study of years of life lost in sub-Saharan Africa. Int J Epidemiol. 2001; 30(3): 501-8.					X
Burkina Faso	08 - BFA	Yé M, Diboulo E, Niamba L, Sié A, Coulibaly B, Bagagnan C, Dembélé J, Ramroth H. An improved method for physician-certified verbal autopsy reduces the rate of discrepancy: experiences in the Nouna Health and Demographic Surveillance Site (NHDSS), Burkina Faso. Popul Health Metr. 2011; 9: 34.					X
Burundi	01 - BDI	ICF Macro. Demographic and Health Surveys. Measure DHS.			X		
Cambodia	01 - KHM	Chandy H, Heng YV, Samol H, Husum H. Comparing two survey methods for estimating maternal and perinatal mortality in rural Cambodia. Women and Birth. 2008; 21(1): 9-12.			X		
Cambodia	02 - KHM	ICF Macro, Ministry of Health (Cambodia), National Institute of Public Health (Cambodia), National Institute of Statistics (Cambodia). Cambodia Demographic and Health Survey 2000, 2005-2006, 2010-2011. ICF Macro.			X		
Cambodia	03 - KHM	National Institute of Statistics (Cambodia), Minnesota Population Center. Cambodia General Population Census 2008 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2011.				X	

Cambodia	04 - KHM	National Institute of Statistics (Cambodia). Cambodia General Population Census 2008 . Phnom Penh, Cambodia: National Institute of Statistics (Cambodia).					X	
Cameroon	01 - CMR	ICF International. Cameroon Demographic and Health Survey 1991, 1998, 2004, 2011.			X			
Canada	01 - CAN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
Canada	02 - CAN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				
Cape Verde	01 - CPV	Wessel H, Reitmaier P, Dupret A, Rocha E, Cnattingius S, Bergström S. Deaths among women of reproductive age in Cape Verde: causes and avoidability. Acta Obstet Gynecol Scand. 1999; 78(3): 225-32.						X
Cape Verde	02 - CPV	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				
Central African Republic	01 - CAF	Division of Statistics and Economic Studies (Central African Republic), Macro International, Inc. Central African Republic Demographic and Health Survey 1994-1995. Calverton, United States: Macro International, Inc.			X			
Chad	01 - TCD	Census Bureau (Chad), Macro International, Inc, National Institute of Statistical, Economic and Demographic Studies (Chad). Chad Demographic and Health Survey 1996-1997, 2004.			X			
Chile	01 - CHL	Ministry of Health (Chile), National Institute of Statistics (Chile). Chile Vital Registration - Deaths 1985.		X				
Chile	02 - CHL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
Chile	03 - CHL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				
China	01 - CHN	China National Maternal and Child Health Surveillance System Maternal Mortality By Cause 1996-2005 - MCHS.	X					
China	02 - CHN	China National Maternal and Child Health Surveillance System Maternal Mortality By Cause 2006-2012 - MCHS.	X					
China	03 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1991 - China CDC.		X				
China	04 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1993 - China CDC.		X				
China	05 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1994 - China CDC.		X				
China	06 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1995 - China CDC.		X				
China	07 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1996 - China CDC.		X				
China	08 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1997 - China CDC.		X				
China	09 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1998 - China CDC.		X				
China	10 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 1999 - China CDC.		X				
China	11 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2000 - China CDC.		X				
China	12 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2001 - China CDC.		X				

China	13 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2002 - China CDC.		X			
China	14 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2004 - China CDC.		X			
China	15 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2005 - China CDC.		X			
China	16 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2006 - China CDC.		X			
China	17 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2007 - China CDC.		X			
China	18 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2008 - China CDC.		X			
China	19 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2009 - China CDC.		X			
China	20 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2010 - China CDC.		X			
China	21 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points 2011 - China CDC.		X			
China	22 - CHN	Chinese Center for Disease Control and Prevention (CCDC). China Disease Surveillance Points Population and Child Mortality 1991-2012.	X				
China	23 - CHN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
China	24 - CHN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Colombia	01 - COL	National Administrative Department of Statistics (Colombia). Colombia Vital Statistics - Deaths 2008. Bogotá, Colombia: National Administrative Department of Statistics (Colombia).		X			
Colombia	02 - COL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Colombia	03 - COL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Congo	01 - COG	Macro International, Inc, National Center for Statistics and Economic Studies (Congo, Rep.). Congo, Rep. Demographic and Health Survey 2005, 2011-2012.			X		
Costa Rica	01 - CRI	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Costa Rica	02 - CRI	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Cote d'Ivoire	01 - CIV	ICF International, National Institute of Statistics (Côte d'Ivoire). Côte d'Ivoire Demographic and Health Survey 1994, 1998-1999, 2011-2012 and Côte d'Ivoire AIDS Indicator Survey 2005.			X		
Croatia	01 - HRV	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Croatia	02 - HRV	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Cuba	01 - CUB	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Cuba	02 - CUB	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Cyprus	01 - CYP	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Cyprus	02 - CYP	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Czech Republic	01 - CZE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Czech Republic	02 - CZE	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Democratic Republic of the Congo	01 - COD	Coghlan B, Brennan RJ, Ngoy P, Dofara D, Otto B, Clements M, Stewart T. Mortality in the Democratic Republic of Congo: a nationwide survey. Lancet. 2006; 367(9504): 44-51.					X
Democratic Republic of the Congo	02 - COD	Delacollette C, Van der Stuyft P, Molima K, Delacollette-Lebrun C, Wery M. Etude de la mortalité globale et de la mortalité liée au paludisme dans le Kivu montagneux, Zaïre. Rev Epidemiol Sante Publique. 1989; 37(2): 161-6.					X
Democratic Republic of the Congo	03 - COD	Ministry of Planning (Congo, DR), Macro International, Inc. Congo, DR Demographic and Health Survey 2007. Calverton, United States: Macro International, Inc.			X		
Democratic Republic of the Congo	04 - COD	Van Den Broeck J, Eeckels R, Vuylsteke J. Influence of nutritional status on child mortality in rural Zaïre. Lancet. 1993; 341(8859): 1491-5.					X
Denmark	01 - DNK	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Denmark	02 - DNK	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Djibouti	01 - DJI	Department of Statistics and Demographic Studies (Djibouti), League of Arab States, Ministry of Health (Djibouti), Pan Arab Project for Family Health (PAPFAM). Djibouti Family Health Survey 2002.	X				
Dominica	01 - DMA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Dominica	02 - DMA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Dominican Republic	01 - DOM	Center for Social and Demographic Studies (CESDEM), Macro International, Inc, National Council for Population and Family (Dominican Republic), National Planning Office (Dominican Republic), Profamilia. Dominican Republic Demographic and Health Survey 1986, 1991, 1996, 2002, 2007.			X		
Dominican Republic	02 - DOM	Westhoff WW, Calcano ER, McDermott RJ, Trudnak TE, Lopez GE. Estimating Maternal Mortality in Monseñor Nouel Province, Dominican Republic. Matern Child Health J. 2009; 13(5): 707-14.			X		
Dominican Republic	03 - DOM	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Dominican Republic	04 - DOM	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			

Eastern Cape	01 - ZEC	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.		X			
Ecuador	01 - ECU	Center for Studies of Population and Social Development (Ecuador), Division of Reproductive Health-Centers for Disease Control and Prevention (CDC). Ecuador Reproductive Health Survey 1989, 1994, 1999, 2004.			X		
Ecuador	02 - ECU	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Ecuador	03 - ECU	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Egypt	01 - EGY	Campbell O, Gipson R, Issa AH, Matta N, El Deeb B, El Mohandes A, Alwen A, Mansour E. National maternal mortality ratio in Egypt halved between 1992-93 and 2000. Bull World Health Organ. 2005; 83(6): 462-71.					X
Egypt	02 - EGY	Grubb GS, Fortney JA, Saleh S, Gadalla S, el-Baz A, Feldblum P, Rogers SM. A comparison of two cause-of-death classification systems for deaths among women of reproductive age in Menoufia, Egypt. Int J Epidemiol. 1988; 17(2): 385-91.					X
Egypt	03 - EGY	Kane TT, el-Kady AA, Saleh S, Hage M, Stanback J, Potter L. Maternal mortality in Giza, Egypt: magnitude, causes, and prevention. Stud Fam Plann. 1992; 23(1): 45-57.					X
Egypt	04 - EGY	Ministry of Health and Population (Egypt). Egypt Maternal Mortality Surveillance System 2004-2006.	X				
Egypt	05 - EGY	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Egypt	06 - EGY	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
El Salvador	01 - SLV	Division of Reproductive Health-Centers for Disease Control and Prevention (CDC), Salvadoran Demographic Association (ADS). El Salvador Reproductive Health Survey 1993, 1998, 2002-2003.			X		
El Salvador	02 - SLV	Ministry of Health (El Salvador). El Salvador Maternal Mortality Surveillance System 2006-2010.	X				
El Salvador	03 - SLV	Minnesota Population Center, General Administration of Statistics and Censuses (El Salvador), Ministry of Economy (El Salvador). El Salvador Population and Housing Census 2007 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2012.				X	
El Salvador	04 - SLV	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
El Salvador	05 - SLV	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Eritrea	01 - ERI	Macro International, Inc, National Statistics and Evaluation Office (Eritrea). Eritrea Demographic and Health Survey 1995-1996, 2002.			X		
Estonia	01 - EST	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Estonia	02 - EST	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			

Ethiopia	01 - ETH	Central Statistical Agency (Ethiopia), Government of Ethiopia, United Nations Population Fund (UNFPA), United Nations Development Programme (UNDP). Ethiopia Population and Housing Census 2007. Addis Ababa, Ethiopia: Central Statistical Agency (Ethiopia).					X	
Ethiopia	02 - ETH	Central Statistical Agency (Ethiopia), Macro International, Inc, Ministry of Health (Ethiopia), Population and Housing Census Commissions Office (PHCCO). Ethiopia Demographic and Health Survey 2000, 2005, 2010-2011. ICF Macro.				X		
Ethiopia	03 - ETH	INDEPTH. Ethiopia - Butajira Health and Demographic Surveillance System.						X
Ethiopia	04 - ETH	Kwast BE, Rochat RW, Kidane-Mariam W. Maternal mortality in Addis Ababa, Ethiopia. Stud Fam Plann. 1986; 17(6 (Pt 1)): 288-301.						X
Ethiopia	05 - ETH	Lulu K, Berhane Y. The use of simplified verbal autopsy in identifying causes of adult death in a predominantly rural population in Ethiopia. BMC Public Health. 2005; 5: 58.						X
Ethiopia	06 - ETH	Mersha A, Jira C, Demessie S. Community based study on maternal mortality in Jimma town, south western Ethiopia. Indian J Public Health. 1996; 40(2): 30-4.						X
Ethiopia	07 - ETH	Reniers G, Araya T, Schaap A, Kumie A, Kebede D, Nagelkerke N, Coutinho R, Sanders EJ. Monitoring cause-specific adult mortality in developing countries: a comparison of data sources for Addis Ababa and its implications for policy and research. Soc Sci Med. 2005; 61(9): 1952-7.	X					
Ethiopia	08 - ETH	Yaya Y, Lindtjörn B. High maternal mortality in rural south-west Ethiopia: estimate by using the sisterhood method. BMC Pregnancy Childbirth. 2012; 12(1): 136.				X		
Fiji	01 - FIJ	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.			X			
Fiji	02 - FIJ	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.			X			
Finland	01 - FIN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.			X			
Finland	02 - FIN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.			X			
France	01 - FRA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.			X			
France	02 - FRA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.			X			
Free State	01 - ZFS	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.			X			
Gabon	01 - GAB	General Directorate of Statistics (Gabon), Macro International, Inc. Gabon Demographic and Health Survey 2000-2001, 2012.				X		
Gauteng	01 - ZGA	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.			X			
Georgia	01 - GEO	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.			X			

Germany	01 - DEU	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Germany	02 - DEU	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Ghana	01 - GHA	Bawah AA, Binka FN. How many years of life could be saved if malaria were eliminated from a hyperendemic area of northern Ghana?. Am J Trop Med Hyg. 2007; 77(6 Suppl): 145-52.					X
Ghana	02 - GHA	Births and Deaths Registry (Ghana). Ghana - Accra Births and Deaths Registry - Deaths 2000-2007.		X			
Ghana	03 - GHA	Ghana Statistical Service, Ghana Health Service, Macro International, Inc. Ghana Special Demographic and Health Survey 2007-2008. Calverton, United States: Macro International, Inc., 2010.					X
Ghana	04 - GHA	Ghana Statistical Service, Macro International, Inc. Ghana Demographic and Health Survey 1993-1994, 1998-1999, 2003, 2007-2008.			X		
Ghana	05 - GHA	Hurt L, ten Asbroek A, Amenga-Etego S, Zandoh C, Danso S, Edmond K, Hurt C, Tawiah C, Hill Z, Fenty J, Owusu-Agyei S, Campbell OM, Kirkwood BR. Effect of vitamin A supplementation on cause-specific mortality in women of reproductive age in Ghana: a secondary analysis from the ObaapaVitA trial. Bull World Health Organ. 2013; 91(1): 19-27.					X
Ghana	06 - GHA	INDEPTH. Ghana - Navrongo Health and Demographic Surveillance System.					X
Ghana	07 - GHA	Mills S, Williams JE, Wak G, Hodgson A. Maternal mortality decline in the Kassena-Nankana district of northern Ghana. Matern Child Health J. 2008; 12(5): 577-85.					X
Ghana	08 - GHA	Ngom P, Akweongo P, Adongo P, Bawah AA, Binka F. Maternal mortality among the Kassena-Nankana of northern Ghana. Stud Fam Plann. 1999; 30(2): 142-7.					X
Greece	01 - GRC	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Greece	02 - GRC	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Grenada	01 - GRD	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Grenada	02 - GRD	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Guatemala	01 - GTM	Institute of Nutrition of Central America and Panama, Macro International, Inc, National Statistics Institute (Guatemala). Guatemala Demographic and Health Survey 1987, 1995, 1998-1999.			X		
Guatemala	02 - GTM	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Guatemala	03 - GTM	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Guinea	01 - GIN	Macro International, Inc, National Statistics Directorate (Guinea). Guinea Demographic and Health Survey 1999, 2005.			X		

Guinea-Bissau	01 - GNB	Høj L, Stensballe J, Aaby P. Maternal mortality in Guinea-Bissau: the use of verbal autopsy in a multi-ethnic population. Int J Epidemiol. 1999; 28(1): 70-6.					X
Guyana	01 - GUY	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Guyana	02 - GUY	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Haiti	01 - HTI	Haiti Child Health Institute (CHI), Haitian Institute of Statistics and Informatics, Macro International, Inc. Haiti Demographic and Health Survey 1994-1995, 2000, 2005-2006.			X		
Haiti	02 - HTI	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Honduras	01 - HND	Honduras Population and Housing Census 2001.				X	
Honduras	02 - HND	Ministry of Health (Honduras), Honduras Family Planning Association (ASHONPLAFA) and Division of Reproductive Health-Centers for Disease Control and Prevention (CDC). (1997) Honduras Reproductive Health Survey 1996. Tegucigalpa, Honduras: ASHONPLAFA.			X		
Honduras	03 - HND	Ministry of Health (Honduras). Honduras Maternal Mortality Ratio Update 2010. Ministry of Health (Honduras), 2013.					X
Honduras	04 - HND	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Honduras	05 - HND	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Hungary	01 - HUN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Hungary	02 - HUN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Iceland	01 - ISL	Statistics Iceland. Iceland Deaths by Sex, Age, and Main Causes of Death. Reykjavík, Iceland: Statistics Iceland.				X	
Iceland	02 - ISL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Iceland	03 - ISL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
India	01 - IND	Barnett S, Nair N, Tripathy P, Borghi J, Rath S, Costello A. A prospective key informant surveillance system to measure maternal mortality -- findings from indigenous populations in Jharkhand and Orissa, India. BMC Pregnancy Childbirth. 2008; 8(6): 6.					X
India	02 - IND	Bhat PN, Navaneetham K, Rajan SI. Maternal mortality in India: estimates from a regression model. Stud Fam Plann. 1995; 26(4): 217-32.					X
India	03 - IND	Bhatia JC. Levels and causes of maternal mortality in southern India. Stud Fam Plann. 1993; 24(5): 310-8.					X
India	04 - IND	Byrraju Foundation, Centre for Chronic Disease Control (India), Cooperative for Assistance and Relief Everywhere (CARE), School of Population Health, University of Queensland (Australia). India - Andhra Pradesh Rural Health Initiative.					X

India	05 - IND	Dongre A, Singh A, Deshmukh P, Garg B. A community based cross sectional study on feasibility of lay interviewers in ascertaining causes of adult deaths by using verbal autopsy in rural Wardha. <i>Online Journal of Health and Allied Sciences</i> . 2008; 7(4): 4.					X
India	06 - IND	Gajalakshmi V, Peto R, Kanaka S, Balasubramanian S. Verbal autopsy of 48 000 adult deaths attributable to medical causes in Chennai (formerly Madras), India. <i>BMC Public Health</i> . 2002; 2: 7.					X
India	07 - IND	Gupta N, Kumar S, Saxena NC, Nandan D, Saxena BN. Maternal mortality in seven districts of Uttar Pradesh - an ICMR task force study. <i>Indian J Public Health</i> . 2006; 50(3): 173-8.					X
India	08 - IND	Gupta SD, Khanna A, Gupta R, Sharma NK, Sharma ND. Maternal mortality ratio and predictors of maternal deaths in selected desert districts in rajasthan a community-based survey and case control study. <i>Womens Health Issues</i> . 2010; 20(1): 80-5.					X
India	09 - IND	Indian Council of Medical Research (ICMR). <i>India Study on Causes of Death by Verbal Autopsy 2003</i> .					X
India	10 - IND	Institute of Health Systems (India). <i>India Cause of Death Dataset Version 1.3 1980-1998</i> . Hyderabad, India: Institute of Health Systems (India), 2002.					X
India	11 - IND	International Institute for Population Sciences (IIPS) (India), Macro International, Inc. <i>India Demographic and Health Survey 1998-1999</i> . Calverton, United States: Macro International, Inc.					X
India	12 - IND	International Institute for Population Sciences (IIPS). <i>India Demographic and Health Survey 1992-1993</i> . Bombay, India: International Institute for Population Sciences (IIPS).					X
India	13 - IND	International Institute for Population Sciences (India). <i>India District Level Household Survey 2002-2004</i> . Mumbai, India: International Institute for Population Sciences (India).				X	
India	14 - IND	International Institute for Population Sciences (India). <i>India District Level Household Survey 2007-2008</i> . Mumbai, India: International Institute for Population Sciences (India), 2010.				X	
India	15 - IND	Iyengar K, Iyengar SD, Suhalka V, Dashora K. Pregnancy-related deaths in rural Rajasthan, India: exploring causes, context, and care-seeking through verbal autopsy. <i>J Health Popul Nutr</i> . 2009; 27(2): 293-302.					X
India	16 - IND	Joshi R, Cardona M, Iyengar S, Sukumar A, Raju CR, Raju KR, Raju K, Reddy KS, Lopez A, Neal B. Chronic diseases now a leading cause of death in rural India – mortality data from the Andhra Pradesh Rural Health Initiative. <i>Int J Epidemiol</i> . 2006; 35(6): 1522-9.					X
India	17 - IND	Joshi R, Praveen D, Chow C, Neal B. Effects on the estimated cause-specific mortality fraction of providing physician reviewers with different formats of verbal autopsy data. <i>Popul Health Metr</i> . 2011; 9(33): 33.					X
India	18 - IND	Kakrani VA, Pratinidhi AK, Gupte AM. A study of registration of deaths at primary health centre--with special reference to verbal autopsy method. <i>Indian J Med Sci</i> . 1996; 50(6): 196-200.					X
India	19 - IND	Kanungo S, Tsuzuki A, Deen JL, Lopez AL, Rajendran K, Manna B, Sur D, Kim DR, Gupta VK, Ochiai RL, Ali M, von Seidlein L, Bhattacharya SK, Clemens JD. Use of verbal autopsy to determine mortality patterns in an urban slum in Kolkata, India. <i>Bull World Health Organ</i> . 2010; 88(9): 667-74.					X
India	20 - IND	Kumar R, Sharma AK, Barik S, Kumar V. Maternal mortality inquiry in a rural community of north India. <i>Int J Gynaecol Obstet</i> . 1989; 29(4): 313-9.					X

India	21 - IND	Kumar V, Datta N, Wadhwa SS, Singhi S. Morbidity and mortality in diarrhea in rural Haryana Indian. Indian J Pediatr. 1985; 52(418): 455-61.					X
India	22 - IND	Ministry of Health and Family Welfare (India), Office of the Registrar General and Census Commissioner (India). India Special Survey of Deaths 2004.					X
India	23 - IND	Office of the Registrar General & Census Commissioner (India), Centre for Global Health Research, University of Toronto (Canada). India SRS Maternal Mortality: Trends, Causes and Risk Factors 1997-2003. New Delhi, India: Office of the Registrar General & Census Commissioner (India), Centre for Global Health Research, University of Toronto (Canada).					X
India	24 - IND	Office of the Registrar General & Census Commissioner (India). India SRS Bulletin 1997. New Delhi, India: Office of the Registrar General & Census Commissioner (India), 1999.					X
India	25 - IND	Office of the Registrar General & Census Commissioner (India). India SRS Bulletin 2000. New Delhi, India: Office of the Registrar General & Census Commissioner (India).					X
India	26 - IND	Office of the Registrar General & Census Commissioner (India). India SRS Bulletin 2005. New Delhi, India: Office of the Registrar General & Census Commissioner (India), 2006.					X
India	27 - IND	Office of the Registrar General & Census Commissioner (India). India SRS Compendium of Fertility and Mortality Indicators 1971-2007. New Delhi, India: Office of the Registrar General & Census Commissioner (India).					X
India	28 - IND	Office of the Registrar General & Census Commissioner (India). India SRS Special Bulletin on Maternal Mortality 2007-2009. New Delhi, India: Office of the Registrar General & Census Commissioner (India).					X
India	29 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1980. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	30 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1981. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	31 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1982. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	32 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1983. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	33 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1986. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	34 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1987. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	35 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1988. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	36 - IND	Office of the Registrar General & Census Commissioner (India). India Vital Statistics 1989. New Delhi, India: Office of the Registrar General & Census Commissioner (India).		X			
India	37 - IND	Office of the Registrar General and Census Commissioner (India). India MCD Vital Statistics - Deaths 1990-1998.		X			
India	38 - IND	Office of the Registrar General and Census Commissioner (India). India MCD Vital Statistics - Deaths 1999-2001.		X			

India	39 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2002. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2009.		X			
India	40 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2003. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2009.		X			
India	41 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2004. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2009.		X			
India	42 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2005. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2012.		X			
India	43 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2006. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2012.		X			
India	44 - IND	Office of the Registrar General and Census Commissioner (India). India Medical Certification of Cause of Death Report 2008. New Delhi, India: Office of the Registrar General and Census Commissioner (India), 2013.		X			
India	45 - IND	Singh RB, Fedacko J, Vargova V, Kumar A, Mohan V, Pella D, De Meester F, Wilson D. Singh's verbal autopsy questionnaire for the assessment of causes of death, social autopsy, tobacco autopsy and dietary autopsy, based on medical records and interview. Acta Cardiol. 2011; 66(4): 471-81.					X
India	46 - IND	Soman CR, Kutty VR, Safraj S, Vijayakumar K, Rajamohan K, Ajayan K. All-cause mortality and cardiovascular mortality in Kerala state of India: results from a 5-year follow-up of 161,942 rural community dwelling adults. Asia Pac J Public Health. 2011; 23(6): 896-903.					X
Indonesia	01 - IDN	Fortney JA, Susanti I, Gadalla S, Saleh S, Rogers SM, Potts M. Reproductive Mortality in Two Developing Countries. Am J Public Health. 1986; 76(2): 134-8.					X
Indonesia	02 - IDN	Macro International, Inc, Ministry of Health (Indonesia), National Family Planning Coordinating Board (Indonesia), Statistics Indonesia. Indonesia Demographic and Health Survey 1987, 1991, 1994, 1997, 2002-2003, 2007.			X		
Indonesia	03 - IDN	National Institute of Health Research and Development (NIHRD), Ministry of Health (Indonesia). Indonesia Sample Registration System 2012, Indonesia Cause of Death Survey 2010-2011, Indonesia Mortality Registration System Strengthening Project (IMRSSP), and Indonesia Basic Health Research 2007-2008.					X
Indonesia	04 - IDN	Statistics Indonesia. Indonesia National Socioeconomic Survey 2004. Jakarta, Indonesia: Statistics Indonesia.				X	
Indonesia	05 - IDN	Statistics Indonesia. Indonesia National Socioeconomic Survey 2007. Jakarta, Indonesia: Statistics Indonesia.				X	
Indonesia	06 - IDN	Supratikto G, Wirth ME, Achadi E, Cohen S, Ronsmans C. A district-based audit of the causes and circumstances of maternal deaths in South Kalimantan, Indonesia. Bull World Health Organ. 2002; 80(3): 228-34.					X
Iran	01 - IRN	Ministry of Health and Medical Education (Iran). Iran Maternal Mortality Report 2012-2013.	X				

Iran	02 - IRN	Ministry of Health and Medical Education (Iran). Iran Vital Registration - Deaths 2007.		X			
Iran	03 - IRN	Ministry of Health and Medical Education (Iran). Iran Vital Registration - Deaths 2008.		X			
Iran	04 - IRN	Ministry of Health and Medical Education (Iran). Iran Vital Registration - Deaths 2009.		X			
Iran	05 - IRN	Ministry of Health and Medical Education (Iran). Iran Vital Registration - Deaths 2010.		X			
Iran	06 - IRN	Naghavi M. National Estimates for Maternal Mortality: An Analysis Based on Reproductive Age Mortality Study (RAMOS) in Iran. Tehran, Iran: Ministry of Health and Medical Education (Iran), 1996.					X
Iran	07 - IRN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Iraq	01 - IRQ	Central Organisation for Statistics and Information Technology (Iraq), Ministry of Health (Iraq), United Nations Children's Fund (UNICEF), World Health Organisation (WHO). Iraq Child and Maternal Mortality Survey 1999.				X	
Iraq	02 - IRQ	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Ireland	01 - IRL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Ireland	02 - IRL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Israel	01 - ISR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Israel	02 - ISR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Italy	01 - ITA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Italy	02 - ITA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Jamaica	01 - JAM	Ministry of Health (Jamaica). Jamaica Maternal Mortality Surveillance System 1998-2008.	X				
Jamaica	02 - JAM	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Jamaica	03 - JAM	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Japan	01 - JPN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Japan	02 - JPN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Jordan	01 - JOR	Department of Statistics (Jordan), Macro International, Inc, Ministry of Planning (Jordan). Jordan Demographic and Health Survey 1990, 1997.			X		

Jordan	02 - JOR	Khoury SA, Massad D, Fardous T. Mortality and causes of death in Jordan 1995-96: assessment by verbal autopsy. Bull World Health Organ. 1999; 77(8): 641-50.					X
Jordan	03 - JOR	Ministry of Health (Jordan). Jordan Reproductive Age Mortality Survey 2007.					X
Jordan	04 - JOR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				
Kazakhstan	01 - KAZ	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				
Kazakhstan	02 - KAZ	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.	X				
Kenya	01 - KEN	Boerma JT, Mati JK. Identifying maternal mortality through networking: results from coastal Kenya. Stud Fam Plann. 1989; 20(5): 245-53.					X
Kenya	02 - KEN	Centers for Disease Control and Prevention (CDC), ICF Macro, Kenya Medical Research Institute (KEMRI), Kenya National Bureau of Statistics, Ministry of Public Health and Sanitation (Kenya), National AIDS and STI Control Program (Kenya), National Aids Control Council (NACC), National Coordinating Agency for Population and Development (Kenya). Kenya Demographic and Health Survey 1988-1989, 1993, 1998, 2003, 2008-2009. ICF Macro.			X		
Kenya	03 - KEN	INDEPTH. Kenya - Kisumu Health and Demographic Surveillance System.					X
Kenya	04 - KEN	INDEPTH. Kenya - Nairobi Health and Demographic Surveillance System.					X
Kenya	05 - KEN	Kenya National Bureau of Statistics. Kenya Population and Housing Census 2009.				X	
Kenya	06 - KEN	van Eijk AM, Adazu K, Ofware P, Vulule J, Hamel M, Slutsker L. Causes of deaths using verbal autopsy among adolescents and adults in rural western Kenya. Trop Med Int Health. 2008; 13(10): 1314-24.					X
Kiribati	01 - KIR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				
Kiribati	02 - KIR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.	X				
Kuwait	01 - KWT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				
Kuwait	02 - KWT	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.	X				
KwaZulu-Natal	01 - ZKN	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.	X				
Kyrgyzstan	01 - KGZ	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				
Laos	01 - LAO	Fauveau VA. The Lao People's Democratic Republic: maternal mortality and female mortality: determining causes of deaths. World Health Stat Q. 1995; 48(1): 44-6.					X
Latvia	01 - LVA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.	X				

Lebanon	01 - LBN	Ministry of Public Health (Lebanon), Saint Joseph University (Lebanon). Lebanon Reproductive Age Mortality Survey 2008.	X				
Lebanon	02 - LBN	Osman H, Campbell OM, Sinno D, Zarwi R, Nassar AH. Facility-based audit of maternal mortality in Lebanon: A feasibility study. Acta Obstet Gynecol Scand. 2009; 88(12): 1338-44.					X
Lesotho	01 - LSO	Bureau of Statistics (Lesotho), ICF Macro, Ministry of Health and Social Welfare (Lesotho). Lesotho Demographic and Health Survey 2004-2005, 2009-2010. ICF Macro.			X		
Lesotho	02 - LSO	Lesotho Population and Housing Census 1996.				X	
Liberia	01 - LBR	Liberia Institute for Statistics and Geo-information Services (LISGIS), Macro International, Inc, Ministry of Planning and Economic Affairs (Liberia). Liberia Demographic and Health Survey 1986, 2006-2007.			X		
Liberia	02 - LBR	Pacqué-Margolis S, Pacqué M, Dukuly Z, Boateng J, Taylor HR.. Application of the verbal autopsy during a clinical trial. Soc Sci Med. 1990; 31(5): 585-91.					X
Libya	01 - LBY	General Information Authority (Libya). Libya Vital Statistics 2006.		X			
Libya	02 - LBY	General Information Authority (Libya). Libya Vital Statistics 2007.		X			
Libya	03 - LBY	General Information Authority (Libya). Libya Vital Statistics 2008.		X			
Limpopo	01 - ZLI	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.		X			
Lithuania	01 - LTU	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Lithuania	02 - LTU	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Luxembourg	01 - LUX	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Luxembourg	02 - LUX	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Macedonia	01 - MKD	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Macedonia	02 - MKD	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Madagascar	01 - MDG	Department of Applied Research for Development (Madagascar), Macro International, Inc, National Institute of Statistics (Madagascar). Madagascar Demographic and Health Survey 1992, 1997, 2003-2004, 2008-2009.			X		
Madagascar	02 - MDG	Population and Development Research Center (CEPED) (France). Madagascar - Antananorivo Mortality Report 1984-1995.		X			
Malawi	01 - MWI	Checchi F, Nyasulu P, Chandramohan D, Roberts B. Rates and causes of death in Chiradzulu District, Malawi, 2008: a key informant study. Trop Med Int Health. 2011; 16(3): 375-8.					X
Malawi	02 - MWI	Chihana M, Floyd S, Molesworth A, Crampin AC, Kayuni N, Price A, Zaba B, Jahn A, Mvula H, Dube A, Ngwira B, Glynn JR, French N. Adult mortality and probable cause of death in rural northern Malawi in the era of HIV treatment. Trop Med Int Health. 2012; 17(8): E74-83.					X
Malawi	03 - MWI	Doctor HV, Weinreb AA. Estimation of AIDS adult mortality by verbal autopsy in rural Malawi. AIDS. 2003; 17(17): 2509-13.					X

Malawi	04 - MWI	ICF Macro, National Statistical Office of Malawi. Malawi Demographic and Health Survey 1992, 2000, 2004-2005, 2010. ICF Macro.			X		
Malawi	05 - MWI	National Statistical Office (Malawi), Minnesota Population Center. Malawi Population and Housing Census 2008 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2011.				X	
Malawi	06 - MWI	National Statistical Office of Malawi. Malawi Population and Housing Census 2008. Zomba, Malawi: National Statistical Office of Malawi.				X	
Malawi	07 - MWI	Slutsker L, Bloland P, Steketee RW, Wirima JJ, Heymann DL, Breman JG. Infant and second-year mortality in rural Malawi: causes and descriptive epidemiology. Am J Trop Med Hyg. 1996; 55(1 Suppl): 77-81.					X
Malaysia	01 - MYS	Department of Statistics (Malaysia). Vital Statistics: West Malaysia 1969. Kuala Lumpur, Malaysia: Department of Statistics (Malaysia), 1971.		X			
Malaysia	02 - MYS	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Maldives	01 - MDV	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Mali	01 - MLI	Aa I, Grove MA, Haugsj� AH, Hinderaker SG. High maternal mortality estimated by the sisterhood method in a rural area of Mali. BMC Pregnancy Childbirth. 2011; 11(1): 56.			X		
Mali	02 - MLI	Etard JF, Kodio B, Traor� S. Assessment of maternal mortality and late maternal mortality among a cohort of pregnant women in Bamako, Mali. Br J Obstet Gynaecol. 1999; 106(1): 60-5.					X
Mali	03 - MLI	Macro International, Inc, Ministry of Health (Mali), National Directorate of Statistics and Informatics (Mali), National Directorate of Statistics and Informatics (Mali), Planning and Statistics Unit, Ministry of Health (Mali), Sahel Institute. Mali Demographic and Health Survey 1987, 1995-1996, 2001, 2006.			X		
Mali	04 - MLI	Mali Population and Housing Census 2009.				X	
Mali	05 - MLI	National Institute for Demographic Studies (France), Sahel Institute. Mali Twelve Years of Urban Mortality in the Sahel 1974-1985. 1988.		X			
Malta	01 - MLT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Malta	02 - MLT	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Mauritania	01 - MRT	National Office of Statistics (Mauritania), Macro International, Inc. Mauritania Demographic and Health Survey 2000-2001. Calverton, United States: Macro International, Inc.			X		
Mauritius	01 - MUS	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Mauritius	02 - MUS	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Mexico	01 - MEX	Ministry of Health (Mexico), National Institute of Statistics and Geography (Mexico). Mexico Vital Registration - Deaths 1979.		X			
Mexico	02 - MEX	Ministry of Health (Mexico), National Institute of Statistics and Geography (Mexico). Mexico Vital Registration - Deaths 1980.		X			

Mexico	31 - MEX	Ministry of Health (Mexico), National Institute of Statistics and Geography (Mexico). Mexico Vital Registration - Deaths 2010.		X			
Mexico	32 - MEX	Ministry of Health (Mexico), National Institute of Statistics and Geography (Mexico). Mexico Vital Registration - Deaths 2011.		X			
Mexico	33 - MEX	National Institute of Statistics and Geography (Mexico). Mexico Vital Registration - Deaths 2012.		X			
Mexico	34 - MEX	National Institute of Statistics and Geography (Mexico). Mexico Vital Statistics - Deaths 2009.		X			
Mexico	35 - MEX	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Moldova	01 - MDA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Mongolia	01 - MNG	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Montenegro	01 - MNE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Morocco	01 - MAR	Abouchadi S, Belghiti Alaoui A, Meski FZ, De Brouwere V. Implementing a maternal mortality surveillance system in Morocco - challenges and opportunities. Trop Med Int Health. 2013; 18(3): 357-65.	X				
Morocco	02 - MAR	League of Arab States, Macro International, Inc, Ministry of Public Health (Morocco). Morocco Demographic and Health Survey 1987, 1992, 1995, 2003-2004.			X		
Morocco	03 - MAR	Ministry of Health (Morocco). Morocco Health in Figures 2001. Rabat, Morocco: Ministry of Health (Morocco).	X				
Morocco	04 - MAR	Ministry of Health (Morocco). Morocco Health in Figures 2002. Rabat, Morocco: Ministry of Health (Morocco).	X				
Morocco	05 - MAR	Ministry of Health (Morocco). Morocco Health in Figures 2003. Rabat, Morocco: Ministry of Health (Morocco).	X				
Morocco	06 - MAR	Ministry of Health (Morocco). Morocco Health in Figures 2004. Rabat, Morocco: Ministry of Health (Morocco), 2004.	X				
Morocco	07 - MAR	Ministry of Health (Morocco). Morocco Health in Figures 2008 - 2009. Rabat, Morocco: Ministry of Health (Morocco).	X				
Morocco	08 - MAR	Ministry of Public Health (Morocco). Morocco National Survey on Causes and Circumstances of Infant and Child Deaths 1988-1989. Rabat, Morocco: Ministry of Public Health (Morocco).					X
Morocco	09 - MAR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Mozambique	01 - MOZ	Centers for Disease Control and Prevention (CDC), MEASURE Evaluation Project, Carolina Population Center, University of North Carolina, Ministry of Health (Mozambique), National Statistics Institute (Mozambique), US Census Bureau. Mozambique National Survey on the Causes of Death 2007-2008.					X
Mozambique	02 - MOZ	INDEPTH. Mozambique - Manhica Health and Demographic Surveillance System.					X
Mozambique	03 - MOZ	Macro International, Inc, National Statistics Institute (Mozambique). Mozambique Demographic and Health Survey 1997, 2003.			X		
Mozambique	04 - MOZ	Mozambique Population and Housing Survey 2007.				X	

Mozambique	05 - MOZ	Renzaho AMN. Mortality rates, prevalence of malnutrition, and prevalence of lost pregnancies among the drought-ravaged population of Tete Province, Mozambique. Prehospital and Disaster Medicine. 2007; 22(1): 26-34.					X	
Mozambique	06 - MOZ	Sacarlal J, Nhacolo AQ, Sigauque B, Nhalungo DA, Abacassamo F, Sacoor CN, Aide P, Machevo S, Nhampossa T, Macete EV, Bassat Q, David C, Bardaji A, Letang E, Saute F, Aponte JJ, Thompson R, Alonso PL. A 10 year study of the cause of death in children under 15 years in Manhica, Mozambique. BioMed Central Public Health. 2009; 9: 67.						X
Mozambique	07 - MOZ	Songane FF, Bergström S. Quality of registration of maternal deaths in Mozambique: a community-based study in rural and urban areas. Soc Sci Med. 2002; 54(1): 23-31.						X
Mpumalanga	01 - ZMP	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.		X				
Myanmar	01 - MMR	Myint, S. Cause of death verification study in Myanmar. Presentation at: World Health Organisation Regional Office for South East Asia. Regional Consultation on Mortality Statistics. 2007; New Delhi, India.						X
Namibia	01 - NAM	Macro International, Inc, Ministry of Health and Social Services (Namibia). Namibia Demographic and Health Survey 1992, 2000, 2006-2007.			X			
Nepal	01 - NPL	ICF Macro, Ministry of Health and Population (Nepal), New ERA. Nepal Demographic and Health Survey 1996, 2001, 2006, 2011. ICF Macro.			X			
Nepal	02 - NPL	Maskey MK, Baral KP, Shah R, Shrestha BD, Lang J, Rothman KJ. Field test results of the motherhood method to measure maternal mortality. Indian J Med Res. 2011; 64-9.			X			
Nepal	03 - NPL	Ministry of Health and Population (Nepal), New ERA, Options UK, Safe Motherhood Network Federation (Nepal). Nepal Maternal Mortality and Morbidity Study 2008-2009. Kathmandu, Nepal: Ministry of Health and Population (Nepal).						X
Nepal	04 - NPL	Shah R, Maskey MK. Maternal and infant mortality in Mahottari district of Nepal. J Nepal Health Res Council. 2010; 8(1): 35-9.						X
Netherlands	01 - NLD	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
Netherlands	02 - NLD	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				
New Zealand	01 - NZL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
New Zealand	02 - NZL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				
Nicaragua	01 - NIC	Nicaragua Population and Housing Census 2005.				X		
Nicaragua	02 - NIC	Profamilia and Division of Reproductive Health-Centers for Disease Control and Prevention (CDC). (1993) Nicaragua Reproductive Health Survey 1992-1993. Profamilia, Managua, Nicaragua.			X			
Nicaragua	03 - NIC	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
Nicaragua	04 - NIC	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X				

Niger	01 - NER	CARE International, Department of Statistics and National Accounts (Niger), Macro International, Inc. Niger Demographic and Health Survey 1992, 1998, 2006.			X		
Nigeria	01 - NGA	Adegoke AA, Campbell M, Ogundeji MO, Lawoyin TO, Thomson AM. Community Study of Maternal Mortality in South West Nigeria: How Applicable is the Sisterhood Method. <i>Matern Child Health J.</i> 2013; 17(2): 319-29.			X		
Nigeria	02 - NGA	Federal Office of Statistics (Nigeria), Macro International, Inc, National Population Commission of Nigeria, UK Department for International Development (DFID), United Nations Children's Fund (UNICEF), United Nations Population Fund (UNFPA). Nigeria Demographic and Health Survey 1990, 2003, 2008.			X		
Nigeria	03 - NGA	Lawoyin TO. Infant and maternal deaths in rural south west Nigeria: a prospective study. <i>Afr J Med Med Sci.</i> 2007; 36(3): 235-41.					X
Nigeria	04 - NGA	National Population Commission of Nigeria, United Nations Children's Fund (UNICEF). Nigeria Report of Livebirths, Deaths and Stillbirths 1994-2007. Abuja, Nigeria: National Population Commission of Nigeria, 2008.		X			
Nigeria	05 - NGA	Oye-Adeniran BA, Odeyemi KA, Gbadegesin A, Ekanem EE, Osilaja OK, Akin-Adenekan O, Umoh AV. The use of the sisterhood method for estimating maternal mortality ratio in Lagos state, Nigeria. <i>J Obstet Gynaecol.</i> 2011; 31(4): 315-9.			X		
North Korea	01 - PRK	Central Bureau of Statistics (North Korea). Korea, North Population Census 2008.				X	
Norway	01 - NOR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Norway	02 - NOR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Oman	01 - OMN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Oman	02 - OMN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Pakistan	01 - PAK	Federal Bureau of Statistics (Pakistan). Pakistan Demographic Survey 1993-1994.				X	
Pakistan	02 - PAK	Fikree FF, Midhet F, Sadruddin S, Berendes WH. Maternal mortality in different Pakistani sites: ratios, clinical causes and determinants. <i>Acta Obstet Gynecol Scand.</i> 1997; 76(7): 637-645.					X
Pakistan	03 - PAK	National Institute of Population Studies (NIPS) (Pakistan), Macro International, Inc. Pakistan Demographic and Health Survey 2006-2007. Calverton, United States: Macro International, Inc.					X
Pakistan	04 - PAK	Nisar N, Sohoo NA. Maternal mortality in rural community: a challenge for achieving millennium development goal. <i>J Pak Med Assoc.</i> 2010; 60(1): 20-4.	X				
Palestine	01 - PSE	Al-Adili N, Johansson A, Bergstrom S. Maternal mortality among Palestinian women in the West Bank. <i>Int J Gynaecol Obstet.</i> 2006; 93(2): 164-70.					X
Palestine	02 - PSE	Ministry of Health (Palestine). Palestine Report on Maternal Mortality 2008-2009. Nablus, Palestine: Ministry of Health (Palestine).	X				
Palestine	03 - PSE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Panama	01 - PAN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Panama	02 - PAN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Papua New Guinea	01 - PNG	Lehmann D. Demography and causes of death among the Huli in the Tari Basin. P N G Med J. 2002; 45(1-2): 51-62.					X
Papua New Guinea	02 - PNG	Lehmann D. Mortality and morbidity from acute lower respiratory tract infections in Tari, Southern Highlands Province 1977-1983. P N G Med J. 1991; 34(3): 174-84.					X
Papua New Guinea	03 - PNG	Moir JS, Garner PA, Heywood PF, Alpers MP. Mortality in a rural area of Madang Province, Papua New Guinea. Ann Trop Med Parasitol. 1989; 83(3): 305-19.					X
Papua New Guinea	04 - PNG	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Papua New Guinea	05 - PNG	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Paraguay	01 - PRY	Department of Statistics, Surveys and Censuses (Paraguay). Paraguay Population and Housing Census 2002.				X	
Paraguay	02 - PRY	Division of Reproductive Health-Centers for Disease Control and Prevention (CDC). Paraguay Reproductive Health Survey 1995-1996, 1998. Asunción, Paraguay: Paraguayan Center for Population Studies (CEPEP).			X		
Paraguay	03 - PRY	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Paraguay	04 - PRY	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Peru	01 - PER	National Institute of Statistics and Informatics (INEI) (Peru). Peru Demographic and Health Survey 1986, 1991-1992, 1996, 2000, 2004-2008.			X		
Peru	02 - PER	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Peru	03 - PER	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Philippines	01 - PHL	Department of Health (Philippines), Macro International, Inc, National Statistics Office (Philippines). Philippines Demographic and Health Survey 1998, 2003, 2008.			X		
Philippines	02 - PHL	Garces RG, Sobel HL, Pabellon JA, Lopez JM Jr, de Quiroz Castro M, Nyunt-U S. A comparison of vital registration and reproductive-age mortality survey in Bukidnon, Philippines, 2008. Int J Gynaecol Obstet. 2012; 119(2): 121-4.					X
Philippines	03 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System (FHSIS) Annual Report 2006. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	04 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System (FHSIS) Annual Report 2007. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				

Philippines	05 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 1993. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	06 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 1994. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	07 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 1996. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	08 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 1997. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	09 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 1998. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	10 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 2000. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	11 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 2001. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	12 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 2002. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	13 - PHL	National Epidemiology Center, Department of Health (Philippines). Philippines Field Health Service Information System Annual Report 2003. Manila, Philippines: National Epidemiology Center, Department of Health (Philippines).	X				
Philippines	14 - PHL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Philippines	15 - PHL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Poland	01 - POL	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Poland	02 - POL	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Portugal	01 - PRT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Portugal	02 - PRT	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Puerto Rico	01 - PRI	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Puerto Rico	02 - PRI	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Qatar	01 - QAT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Romania	01 - ROU	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Romania	02 - ROU	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Russia	01 - RUS	Center for Demographic Research, New Economic School (Russia). Russia Mortality Rates by Region, Age, Sex, and Cause of Death 1989-1998. Moscow, Russia: Center for Demographic Research, New Economic School (Russia).		X			
Russia	02 - RUS	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Rwanda	01 - RWA	ICF Macro, Ministry of Health (Rwanda), National Institute of Statistics of Rwanda, National Office of Population (Rwanda). Rwanda Demographic and Health Survey 1992, 2000, 2005, 2007-2008, 2010-2011. ICF Macro.			X		
Saint Lucia	01 - LCA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Saint Lucia	02 - LCA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Saint Vincent and the Grenadines	01 - VCT	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Saint Vincent and the Grenadines	02 - VCT	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Sao Tome and Principe	01 - STP	National Statistics Office (São Tomé and Príncipe), Ministry of Health (São Tomé and Príncipe), ICF Macro. São Tomé and Príncipe Demographic and Health Survey 2008-2009. Calverton, United States: ICF Macro.			X		
Sao Tome and Principe	02 - STP	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Senegal	01 - SEN	Directorate of Forecasting and Statistics (Senegal), Minnesota Population Center. Senegal General Population and Housing Census 2002 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota.				X	
Senegal	02 - SEN	Duthe G, Pison G. Adult mortality in a rural area of Senegal: Non-communicable diseases have a large impact in Mlomp. Demographic Research. 2008; 19(37): 1419-48.					X
Senegal	03 - SEN	Helleringer S, Duthé G, Kanté AM, Andro A, Sokhna C, Trape J-F, Pison G. Misclassification of pregnancy-related deaths in adult mortality surveys: case study in Senegal. Trop Med Int Health. 2013; 18(1): 27-34.	X				
Senegal	04 - SEN	Macro International, Inc, National Agency of Statistics and Demography (Senegal). Senegal Demographic and Health Survey 1986, 1992-1993, 1997, 2005, 2010-2011.			X		

Serbia	01 - SRB	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Seychelles	01 - SYC	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Seychelles	02 - SYC	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Sierra Leone	01 - SLE	Central Statistics Office (Sierra Leone). Sierra Leone Population and Housing Census 2004.				X	
Sierra Leone	02 - SLE	Groen RS, Solomon J, Samai MM, Kamara TB, Cassidy LDM, Blok L, Kushner AL, Dhanaraj M, Stekelenburg J. Female Health and Family Planning in Sierra Leone. Obstet Gynecol. 2013; 122(3): 525-31.				X	
Sierra Leone	03 - SLE	Statistics Sierra Leone and Minnesota Population Center. Sierra Leone Population and Housing Census 2004 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2011.				X	
Sierra Leone	04 - SLE	Statistics Sierra Leone, Macro International, Inc. Sierra Leone Demographic and Health Survey 2008. Calverton, United States: Macro International, Inc.			X		
Singapore	01 - SGP	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Singapore	02 - SGP	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Slovakia	01 - SVK	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Slovakia	02 - SVK	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Slovenia	01 - SVN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Slovenia	02 - SVN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
South Africa	01 - ZAF	Department of Health (South Africa), South African Medical Research Council, Macro International, Inc. South Africa Demographic and Health Survey 1998. Calverton, United States: Macro International, Inc.			X		
South Africa	02 - ZAF	MRC/Wits Rural Public Health and Health Transitions Research Unit (Agincourt), INDEPTH. South Africa - Agincourt Health and Socio-Demographic Surveillance System.					X
South Africa	03 - ZAF	Muhwava W. Contributions of the Africa Centre Demographic Surveillance to the Community. Umbiko. 2007; 12. 3-4.					X
South Africa	04 - ZAF	Statistics South Africa, Minnesota Population Center. South Africa Community Survey 2007 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota.				X	
South Africa	05 - ZAF	Statistics South Africa. South Africa Population and Housing Census 2001.				X	
South Africa	06 - ZAF	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

South Korea	01 - KOR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
South Sudan	01 - SSD	National Population Census Council (Sudan), Central Bureau of Statistics (Sudan), Southern Sudan Centre for Census, Statistics and Evaluation (SSCCSE), Minnesota Population Center. Sudan Population and Housing Census 2008 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2011.				X	
Spain	01 - ESP	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Spain	02 - ESP	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Sri Lanka	01 - LKA	Ministry of Health (Sri Lanka). Sri Lanka Achievements in Maternal Health.	X				
Sri Lanka	02 - LKA	Registrar General's Department (Sri Lanka). Sri Lanka Vital Statistics - Deaths 1979.		X			
Sri Lanka	03 - LKA	Registrar General's Department (Sri Lanka). Sri Lanka Vital Statistics - Deaths 1993-1996.		X			
Sri Lanka	04 - LKA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Sri Lanka	05 - LKA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Sudan	01 - SDN	Ministry of Finance and Economic Planning, Department of Statistics, Macro Systems, Inc.; Institute for Resource Development. Sudan Demographic and Health Survey 1989-1990. Columbia, United States: Macro Systems, Inc.				X	
Sudan	02 - SDN	Ministry of Health (Southern Sudan), Federal Ministry of Health (Sudan), Southern Sudan Centre for Census, Statistics and Evaluation (SSCCSE), Central Bureau of Statistics (Sudan). Sudan Family Health Survey 2006.	X				
Sudan	03 - SDN	National Population Census Council (Sudan), Central Bureau of Statistics (Sudan), Southern Sudan Centre for Census, Statistics and Evaluation (SSCCSE), Minnesota Population Center. Sudan Population and Housing Census 2008 from the Integrated Public Use Microdata Series, International: [Machine-readable database]. Minneapolis: University of Minnesota, 2011.				X	
Sudan	04 - SDN	Southern Sudan Centre for Census, Statistics and Evaluation (SSCCSE) and National Population Census Council. Sudan Population and Housing Census 2008.				X	
Suriname	01 - SUR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Suriname	02 - SUR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Swaziland	01 - SWZ	Central Statistical Office (Swaziland), Macro International, Inc. Swaziland Demographic and Health Survey 2006-2007. Calverton, United States: Macro International, Inc.				X	
Sweden	01 - SWE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Sweden	02 - SWE	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Switzerland	01 - CHE	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Syria	01 - SYR	Bashour H, Abdulsalam A, Jabr A, Cheikha S, Tabbaa M, Lahham M, Dihman R, Khadra M, Campbell OMR. Maternal mortality in Syria: causes, contributing factors and preventability. Trop Med Int Health. 2009; 14(9): 1122-7.					X
Syria	02 - SYR	Central Bureau of Statistics (Syria), League of Arab States. Syria Family Health Survey 2001.	X				
Syria	03 - SYR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Syria	04 - SYR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Taiwan (Province of China)	01 - TWN	Department of Health (Taiwan). Taiwan Statistics of Causes of Death 2008.		X			
Taiwan (Province of China)	02 - TWN	Department of Health (Taiwan). Taiwan Statistics of Causes of Death 2009.		X			
Taiwan (Province of China)	03 - TWN	Department of Health (Taiwan). Taiwan Statistics of Causes of Death 2010.		X			
Taiwan (Province of China)	04 - TWN	Department of Health (Taiwan). Taiwan Statistics of Causes of Death 2011.		X			
Taiwan (Province of China)	05 - TWN	Department of Health (Taiwan). Taiwan Statistics of Causes of Death 2012.		X			
Taiwan (Province of China)	06 - TWN	Department of Health (Taiwan). Taiwan Vital Statistics - Deaths 2007.		X			
Tajikistan	01 - TJK	United Nations Children's Fund (UNICEF). Tajikistan Infant Mortality Report 2001-2003.					X
Tajikistan	02 - TJK	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Tanzania	01 - TZA	Ae-Ngibise KA, Masanja H, Kellerman R, Owusu-Agyei S. Risk factors for injury mortality in rural Tanzania: a secondary data analysis. BMJ Open. 2012; 2(6): e001721.					X
Tanzania	02 - TZA	ICF Macro, National Bureau of Statistics (Tanzania), Planning Commission (Tanzania). Tanzania Demographic and Health Survey 1991-1992, 1996, 1999, 2004-2005, 2009-2010. ICF Macro.			X		
Tanzania	03 - TZA	INDEPTH, National Institute for Medical Research (Tanzania), London School of Hygiene and Tropical Medicine. Tanzania - Magu Health and Demographic Surveillance System. Dar es Salaam, Tanzania: National Institute for Medical Research (Tanzania).					X
Tanzania	04 - TZA	INDEPTH. Tanzania - Ifakara Health and Demographic Surveillance System.					X
Tanzania	05 - TZA	INDEPTH. Tanzania - Rufiji Health and Demographic Surveillance System.					X

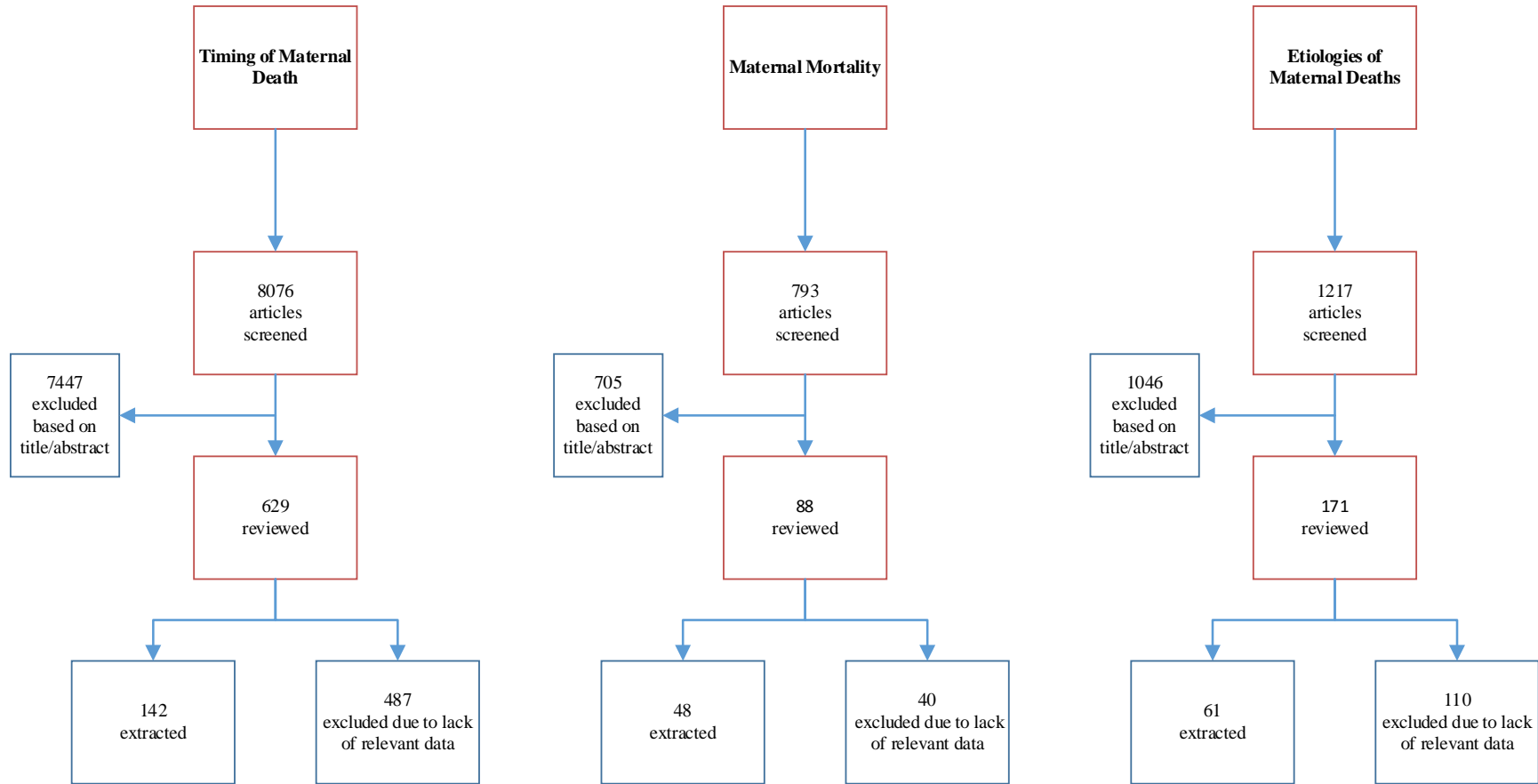
Tanzania	06 - TZA	Illah E, Mbaruku G, Masanja H, Kahn K. Causes and risk factors for maternal mortality in rural Tanzania--case of Rufiji Health and Demographic Surveillance Site (HDSS). <i>Afr J Reprod Health</i> . 2013; 17(3): 119-30.	X				
Tanzania	07 - TZA	Kaatano GM, Mashauri FM, Kinung'hi SM, Mwanga JR, Malima RC, Kishamawe C, Nnko SE, Magesa SM, Mboera LE. Patterns of malaria related mortality based on verbal autopsy in Muleba District, north-western Tanzania. <i>Tanzan J Health Res</i> . 2009; 11(4): 210-8.					X
Tanzania	08 - TZA	Kamara MK. Clustering of mortality among children under five years due to malaria at the Ifakara Demographic Surveillance Site in Tanzania [Dissertation]. [Johannesburg]: University of the Witwatersrand; 2008.					X
Tanzania	09 - TZA	MacLeod J, Rhode R. Retrospective follow-up of maternal deaths and their associated risk factors in a rural district of Tanzania. <i>Trop Med Int Health</i> . 1998; 3(2): 130-7.					X
Tanzania	10 - TZA	Ministry of Health and Social Welfare (Tanzania), Newcastle University, UK Department for International Development (DFID). Tanzania Policy Implications of Mortality Burden 1995-2001.					X
Tanzania	11 - TZA	Mtango FD, Neuvians D, Broome CV, Hightower AW, Pio A. Risk factors for deaths in children under 5 years old in Bagamoyo district, Tanzania. <i>Trop Med Parasitol</i> . 1992; 43(4): 229-33.					X
Tanzania	12 - TZA	Narah-Bana, S. Risk Factors and Causes of Adult Deaths in the Ifakara Health and Demographic Surveillance System Population, 2003-2007 [dissertation]. [Johannesburg, South Africa]: University of the Witwatersrand; 2010. 174 p.					X
Tanzania	13 - TZA	Sangber-Dery MD. The Role of Birth Order in Infant Mortality in Ifakara DSS Area in Rural Tanzania [master's thesis]. [Johannesburg, South Africa]: University of the Witwatersrand; 2009.					X
Thailand	01 - THA	Ministry of Public Health (Thailand). Thailand Burden of Disease and Injuries 1998-1999.					X
Thailand	02 - THA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Thailand	03 - THA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
The Bahamas	01 - BHS	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
The Bahamas	02 - BHS	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
The Gambia	01 - GMB	Walraven G, Telfer M, Rowley J, Ronsmans C. Maternal mortality in rural Gambia: levels, causes and contributing factors. <i>Bull World Health Organ</i> . 2000; 78(5): 603-13.					X
Timor-Leste	01 - TLS	National Statistics Directorate (Timor-Leste), Ministry of Finance (Timor-Leste), ICF Macro. Timor-Leste Demographic and Health Survey 2009-2010. Calverton, United States: ICF Macro.			X		
Togo	01 - TGO	Demographic Research Unit (Togo), Department of Statistics (Togo), Macro International, Inc, Ministry of Public Health, Social Affairs and the Status of Women (Togo). Togo Demographic and Health Survey 1988, 1998.			X		
Trinidad and Tobago	01 - TTO	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			

Trinidad and Tobago	02 - TTO	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Turkey	01 - TUR	Baskent University, Ministry of Health (Turkey), State Institute of Statistics (Turkey). Turkey Verbal Autopsy Survey 2003.					X
Turkey	02 - TUR	Turkish Statistical Institute. Turkey Causes of Death Statistics 2010-2012. Ankara, Turkey: Turkish Statistical Institute.		X			
Turkey	03 - TUR	Türkyılmaz AS, Koc I, Schumacher R, Campbell OMR. The Turkey national maternal mortality study. Eur J Contracept Reprod Health Care. 2009; 14(1): 75-82.					X
Turkey	04 - TUR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Turkmenistan	01 - TKM	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Uganda	01 - UGA	Macro International, Inc, Ministry of Health (Uganda), Uganda Bureau of Statistics. Uganda Demographic and Health Survey 1988-1989, 1995, 2000-2001, 2006.			X		
Ukraine	01 - UKR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Ukraine	02 - UKR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
United Kingdom	01 - GBR	National Records of Scotland. United Kingdom - Scotland Vital Events Reference Tables 2011. Edinburgh, Scotland: National Records of Scotland.		X			
United Kingdom	02 - GBR	National Records of Scotland. United Kingdom - Scotland Vital Events Reference Tables 2012. Edinburgh, Scotland: National Records of Scotland.		X			
United Kingdom	03 - GBR	Northern Ireland Statistics and Research Agency (NISRA). United Kingdom - Northern Ireland Registrar General Annual Report 2011. Belfast, Northern Ireland: Northern Ireland Statistics and Research Agency (NISRA), 2012.		X			
United Kingdom	04 - GBR	Office for National Statistics (United Kingdom). United Kingdom - England and Wales Mortality Data 1981-1994. Newport, United Kingdom: Office for National Statistics (United Kingdom).		X			
United Kingdom	05 - GBR	Office for National Statistics (United Kingdom). United Kingdom - England and Wales Mortality Data 1995-2000. Newport, United Kingdom: Office for National Statistics (United Kingdom).		X			
United Kingdom	06 - GBR	Office for National Statistics (United Kingdom). United Kingdom - England and Wales Mortality Data 2001-2012. Newport, United Kingdom: Office for National Statistics (United Kingdom).		X			
United Kingdom	07 - GBR	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
United Kingdom	08 - GBR	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
United States	01 - USA	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
United States	02 - USA	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			

Uruguay	01 - URY	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Uruguay	02 - URY	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Uzbekistan	01 - UZB	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Venezuela	01 - VEN	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X			
Venezuela	02 - VEN	World Health Organisation (WHO). WHO Mortality Database Version July 2012. Geneva, Switzerland: World Health Organisation (WHO), 2012.		X			
Vietnam	01 - VNM	Hanoi School of Public Health, Ministry of Health (Viet Nam), School of Population Health, University of Queensland (Australia). Vietnam Burden of Disease and Injury Study 2008. Hanoi, Vietnam: Hanoi School of Public Health, 2011.					X
Vietnam	02 - VNM	Hieu DT, Hanenberg R, Vach TH, Vinh DQ, Sokal D. Maternal mortality in Vietnam in 1994-95. Stud Fam Plann. 1999; 30(4): 329-38.					X
Western Cape	01 - ZWC	Department of Home Affairs (South Africa), Statistics South Africa. South Africa Mortality and Causes of Death 1997-2005. Pretoria, South Africa: Statistics South Africa.		X			
Yemen	01 - YEM	Central Statistical Organisation (Yemen), Macro International, Inc. Yemen Demographic and Health Survey 1997. Calverton, United States: Macro International, Inc.				X	
Yemen	02 - YEM	Ministry of Health and Population (Yemen), Central Statistical Organisation (Yemen). Yemen Family Health Survey 2003.	X				
Zambia	01 - ZMB	Central Board of Health (Zambia), Central Statistical Office (Zambia), Macro International, Inc, Ministry of Health (Zambia), University of Zambia. Zambia Demographic and Health Survey 1992, 1996-1997, 2001-2002, 2007.				X	
Zambia	02 - ZMB	Central Statistical Office (Zambia). Zambia Census of Population and Housing 2010.					X
Zambia	03 - ZMB	Mudenda SS, Kamocha S, Mswia R, Conkling M, Sikanyiti P, Potter D, Mayaka WC, Marx MA. Feasibility of using a WHO-standard methodology for Sample Vital Registration with Verbal Autopsy (SAVVY) to report leading causes of death in Zambia: results of a pilot in four provinces, 2010. Popul Health Metr. 2011; 9: 40.					X
Zimbabwe	01 - ZWE	Australian Agency for International Development (AusAID), Danish International Development Agency (DANIDA), European Union (EU), Swedish International Development Agency (SIDA), United Nations Children's Fund (UNICEF), United Nations Development Programme (UNDP), United Nations Population Fund (UNFPA), Zimbabwe National Statistics Agency. Zimbabwe Population and Housing Census 2012.					X
Zimbabwe	02 - ZWE	Central Statistical Office (Zimbabwe). Zimbabwe Population and Housing Census 1992.					X
Zimbabwe	03 - ZWE	Central Statistical Office (Zimbabwe). Zimbabwe Population and Housing Census 2002.					X
Zimbabwe	04 - ZWE	ICF Macro, Zimbabwe National Statistics Agency. Zimbabwe Demographic and Health Survey 1988-1989, 1994, 1999, 2005-2006, 2010-2011. ICF Macro.				X	
Zimbabwe	05 - ZWE	Registrar General's Department (Zimbabwe), Zimbabwe National Statistics Agency. Zimbabwe Mortality Report 2007.		X			

Zimbabwe	06 - ZWE	World Health Organisation (WHO). WHO Mortality Database Version February 2014. Geneva, Switzerland: World Health Organisation (WHO), 2014.		X				
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Appendix Figure 1: Flow chart of literature reviews for maternal mortality, causes of maternal mortality, and timing of maternal deaths



Appendix Table 2: ICD mapping of maternal causes of death

Appendix Table 2: ICD10, ICD9 detail, and ICD9 BTL codes mapped to maternal causes			
Cause	ICD10	ICD9 detail	ICD9 BTL
Maternal disorders		V30, V300, V300.0, V300.1, V301, V302, V31, V310, V310.0, V310.1, V311, V312, V32, V320, V320.0, V320.1, V321, V322, V33, V330, V330.0, V330.1, V331, V332, V34, V340, V340.0, V340.1, V341, V34, V35, V350, V350.0, V350.1, V351, V352, V36, V360, V360.0, V360.1, V361, V362, V37, V370, V370.0, V370.1, V371, V372, V39, V390, V390.0, V390.1, V391, V392	B39.2, B39.9
Maternal haemorrhage	O20, O20.0, O20.8, O20.9, O43.2, O43.21, O43.211, O43.212, O43.213, O43.219, O43.22, O43.221, O43.222, O43.223, O43.229, O43.23, O43.231, O43.232, O43.233, O43.239, O44, O44.0, O44.00, O44.01, O44.02, O44.03, O44.1, O44.10, O44.11, O44.12, O44.13, O45, O45.0, O45.00, O45.001, O45.002, O45.003, O45.009, O45.01, O45.011, O45.012, O45.013, O45.019, O45.02, O45.021, O45.022, O45.023, O45.029, O45.09, O45.091, O45.092, O45.093, O45.099, O45.8, O45.9, O45.90, O45.91, O45.92, O45.93, O46, O46.0, O46.00, O46.001, O46.002, O46.003, O46.009, O46.01, O46.011, O46.012, O46.013, O46.019, O46.02, O46.021, O46.022, O46.023, O46.029, O46.09, O46.091, O46.092, O46.093, O46.099, O46.8, O46.9, O46.90, O46.91, O46.92, O46.93, O67, O67.0, O67.8, O67.9, O70, O71, O71.0, O71.00, O71.02, O71.03, O71.1, O71.2, O71.3, O71.4, O72, O72.0, O72.1, O72.2, O72.3	640, 640.0, 640.00, 640.01, 640.03, 640.8, 640.80, 640.81, 640.83, 640.9, 640.90, 640.91, 640.93, 641, 641.0, 641.00, 641.01, 641.03, 641.1, 641.10, 641.11, 641.13, 641.2, 641.20, 641.21, 641.23, 641.3, 641.30, 641.31, 641.33, 641.8, 641.80, 641.81, 641.83, 641.9, 641.90, 641.91, 641.93, 665, 665.0, 665.00, 665.01, 665.03, 665.1, 665.10, 665.11, 665.2, 665.20, 665.22, 665.24, 665.3, 665.30, 665.31, 665.34, 666, 666.0, 666.00, 666.02, 666.04, 666.1, 666.10, 666.12, 666.14, 666.2, 666.20, 666.22, 666.24, 666.3, 666.30, 666.32, 666.34, 666.9	B39.0
Maternal sepsis and other pregnancy related infection	O23, O23.0, O23.00, O23.01, O23.02, O23.03, O23.1, O23.10, O23.11, O23.12, O23.13, O23.2, O23.20, O23.21, O23.22, O23.23, O23.3, O23.30, O23.31, O23.32, O23.33, O23.4, O23.40, O23.41, O23.42, O23.43, O23.5, O23.51, O23.511, O23.512, O23.513, O23.519, O23.52, O23.521, O23.522, O23.523, O23.529, O23.59, O23.591, O23.592, O23.593, O23.599, O23.9, O23.90, O23.91, O23.92, O23.93, O85, O85.0, O86, O86.0, O86.1, O86.11, O86.12, O86.13, O86.19, O86.2, O86.20, O86.21, O86.22, O86.29, O86.3, O86.4, O86.8, O86.81, O86.89, O91, O91.0, O91.01, O91.011, O91.012, O91.013, O91.019, O91.02, O91.03, O91.1, O91.11, O91.111, O91.112, O91.113, O91.119, O91.12, O91.13, O91.2, O91.21, O91.211, O91.212, O91.213, O91.219, O91.22, O91.23	659.3, 659.30, 659.31, 659.33, 670, 670.0, 670.00, 670.02, 670.04, 670.1, 670.10, 670.12, 670.14, 670.2, 670.20, 670.22, 670.24, 670.3, 670.30, 670.32, 670.34, 670.8, 670.80, 670.82, 670.84, 670.9	B39.4

Hypertensive disorders of pregnancy	<p>O10, O10.0, O10.01, O10.011, O10.012, O10.013, O10.019, O10.02, O10.03, O10.1, O10.11, O10.111, O10.112, O10.113, O10.119, O10.12, O10.13, O10.2, O10.21, O10.211, O10.212, O10.213, O10.219, O10.22, O10.23, O10.3, O10.31, O10.311, O10.312, O10.313, O10.319, O10.32, O10.33, O10.4, O10.41, O10.411, O10.412, O10.413, O10.419, O10.42, O10.43, O10.9, O10.91, O10.911, O10.912, O10.913, O10.919, O10.92, O10.93, O11, O11.1, O11.2, O11.3, O11.9, O12, O12.0, O12.00, O12.01, O12.02, O12.03, O12.1, O12.10, O12.11, O12.12, O12.13, O12.2, O12.20, O12.21, O12.22, O12.23, O13, O13.1, O13.2, O13.3, O13.9, O14, O14.0, O14.00, O14.02, O14.03, O14.1, O14.10, O14.12, O14.13, O14.2, O14.20, O14.22, O14.23, O14.9, O14.90, O14.92, O14.93, O15, O15.0, O15.00, O15.02, O15.03, O15.1, O15.2, O15.9, O16, O16.1, O16.2, O16.3, O16.9</p>	<p>642, 642.0, 642.00, 642.01, 642.02, 642.03, 642.04, 642.1, 642.10, 642.11, 642.12, 642.13, 642.14, 642.2, 642.20, 642.21, 642.22, 642.23, 642.24, 642.3, 642.30, 642.31, 642.32, 642.33, 642.34, 642.4, 642.40, 642.41, 642.42, 642.43, 642.44, 642.5, 642.50, 642.51, 642.52, 642.53, 642.54, 642.6, 642.60, 642.61, 642.62, 642.63, 642.64, 642.7, 642.70, 642.71, 642.72, 642.73, 642.74, 642.9, 642.90, 642.91, 642.92, 642.93, 642.94</p>	B39.1
Obstructed labor	<p>O64, O64.0, O64.1, O64.2, O64.3, O64.4, O64.5, O64.8, O64.9, O65, O65.0, O65.1, O65.2, O65.3, O65.4, O65.5, O65.8, O65.9, O66, O66.0, O66.1, O66.2, O66.3, O66.4, O66.40, O66.41, O66.5, O66.6, O66.8, O66.9, O71.5, O71.6, O71.7, O71.8, O71.81, O71.82, O71.89, O71.9</p>	<p>660, 660.0, 660.00, 660.01, 660.03, 660.1, 660.10, 660.11, 660.13, 660.2, 660.20, 660.21, 660.23, 660.3, 660.30, 660.31, 660.33, 660.4, 660.40, 660.41, 660.43, 660.5, 660.50, 660.51, 660.53, 660.6, 660.60, 660.61, 660.63, 660.7, 660.70, 660.71, 660.73, 660.8, 660.80, 660.81, 660.83, 660.9, 660.90, 660.91, 660.93</p>	B39.3
Pregnancy with abortive outcome	<p>N96, O00, O00.0, O00.1, O00.2, O00.8, O00.9, O01, O01.0, O01.1, O01.9, O02, O02.0, O02.1, O02.8, O02.81, O02.89, O02.9, O03, O03.0, O03.1, O03.2, O03.3, O03.30, O03.31, O03.32, O03.33, O03.34, O03.35, O03.36, O03.37, O03.38, O03.39, O03.4, O03.5, O03.6, O03.7, O03.8, O03.80, O03.81, O03.82, O03.83, O03.84, O03.85, O03.86, O03.87, O03.88, O03.89, O03.9, O04, O04.0, O04.1, O04.2, O04.3, O04.4, O04.5, O04.6, O04.7, O04.8, O04.80, O04.81, O04.82, O04.83, O04.84, O04.85, O04.86, O04.87, O04.88, O04.89, O04.9, O05, O05.0, O05.1, O05.2, O05.3, O05.4, O05.5, O05.6, O05.7, O05.8, O05.9, O06, O06.0, O06.1, O06.2, O06.3, O06.4, O06.5, O06.6, O06.7, O06.8, O06.9, O07, O07.0, O07.1, O07.2, O07.3, O07.30, O07.31, O07.32, O07.33, O07.34, O07.35, O07.36, O07.37, O07.38, O07.39, O07.4, O07.5, O07.6, O07.7, O07.8, O07.9</p>	<p>630, 630.0, 630.9, 631, 631.0, 631.2, 631.8, 631.9, 632, 632.0, 632.9, 633, 633.0, 633.00, 633.01, 633.1, 633.10, 633.11, 633.2, 633.20, 633.21, 633.8, 633.80, 633.81, 633.9, 633.90, 633.91, 634, 634.0, 634.00, 634.01, 634.02, 634.1, 634.10, 634.11, 634.12, 634.2, 634.20, 634.21, 634.22, 634.3, 634.30, 634.31, 634.32, 634.4, 634.40, 634.41, 634.42, 634.5, 634.50, 634.51, 634.52, 634.6, 634.60, 634.61, 634.62, 634.7, 634.70, 634.71, 634.72, 634.8, 634.80, 634.81, 634.82, 634.9, 634.90, 634.91, 634.92, 635, 635.0, 635.00, 635.01, 635.02, 635.1, 635.10, 635.11, 635.12, 635.2, 635.20, 635.21, 635.22, 635.3, 635.30, 635.31, 635.32, 635.4, 635.40, 635.41, 635.42, 635.5, 635.50, 635.51, 635.52, 635.6, 635.60, 635.61, 635.62, 635.7, 635.70, 635.71, 635.72, 635.8, 635.80, 635.81, 635.82, 635.9, 635.90, 635.91, 635.92, 636, 636.0, 636.00, 636.01, 636.02, 636.1, 636.10, 636.11, 636.12, 636.2, 636.20, 636.21, 636.22, 636.3, 636.30, 636.31, 636.32, 636.4, 636.40, 636.41, 636.42, 636.5, 636.50, 636.51, 636.52, 636.6, 636.60, 636.61, 636.62, 636.7, 636.70, 636.71, 636.72, 636.8, 636.80, 636.81, 636.82, 636.9, 636.90, 636.91, 636.92, 638, 638.0, 638.01, 638.02, 638.1, 638.11, 638.12, 638.2, 638.21, 638.22, 638.3, 638.31, 638.32, 638.4, 638.41, 638.42, 638.5, 638.51, 638.52, 638.6, 638.61, 638.62, 638.7, 638.71, 638.72, 638.8, 638.81, 638.82, 638.9, 638.91, 638.92, 646.3, 646.30, 646.31, 646.33</p>	B38.0, B38.1, B38.2, B38.9

<p>Indirect maternal causes</p>	<p>O24, O24.0, O24.01, O24.011, O24.012, O24.013, O24.019, O24.02, O24.03, O24.1, O24.11, O24.111, O24.112, O24.113, O24.119, O24.12, O24.13, O24.2, O24.3, O24.31, O24.311, O24.312, O24.313, O24.319, O24.32, O24.33, O24.4, O24.41, O24.410, O24.414, O24.419, O24.42, O24.420, O24.424, O24.429, O24.43, O24.430, O24.434, O24.439, O24.8, O24.81, O24.811, O24.812, O24.813, O24.819, O24.82, O24.83, O24.9, O24.91, O24.911, O24.912, O24.913, O24.919, O24.92, O24.93, O25, O25.1, O25.10, O25.11, O25.12, O25.13, O25.2, O25.3, O98, O98.0, O98.01, O98.011, O98.012, O98.013, O98.019, O98.02, O98.03, O98.1, O98.11, O98.111, O98.112, O98.113, O98.119, O98.12, O98.13, O98.2, O98.21, O98.211, O98.212, O98.213, O98.219, O98.22, O98.23, O98.3, O98.31, O98.311, O98.312, O98.313, O98.319, O98.32, O98.33, O98.4, O98.41, O98.411, O98.412, O98.413, O98.419, O98.42, O98.43, O98.5, O98.51, O98.511, O98.512, O98.513, O98.519, O98.52, O98.53, O98.6, O98.61, O98.611, O98.612, O98.613, O98.619, O98.62, O98.63, O98.7, O98.71, O98.711, O98.712, O98.713, O98.719, O98.72, O98.73, O98.8, O98.81, O98.811, O98.812, O98.813, O98.819, O98.82, O98.83, O98.9, O98.91, O98.911, O98.912, O98.913, O98.919, O98.92, O98.93, O99, O99.0, O99.01, O99.011, O99.012, O99.013, O99.019, O99.02, O99.03, O99.1, O99.11, O99.111, O99.112, O99.113, O99.119, O99.12, O99.13, O99.2, O99.21, O99.210, O99.211, O99.212, O99.213, O99.214, O99.215, O99.28, O99.280, O99.281, O99.282, O99.283, O99.284, O99.285, O99.3, O99.31, O99.310, O99.311, O99.312, O99.313, O99.314, O99.315, O99.32, O99.320, O99.321, O99.322, O99.323, O99.324, O99.325, O99.33, O99.330, O99.331, O99.332, O99.333, O99.334, O99.335, O99.34, O99.340, O99.341, O99.342, O99.343, O99.344, O99.345, O99.35, O99.350, O99.351, O99.352, O99.353, O99.354, O99.355, O99.4, O99.41, O99.411, O99.412, O99.413, O99.419, O99.42, O99.43, O99.5, O99.51, O99.511, O99.512, O99.513, O99.519, O99.52, O99.53, O99.6, O99.61, O99.611, O99.612, O99.613, O99.619, O99.62, O99.63, O99.7, O99.71, O99.711, O99.712, O99.713, O99.719, O99.72, O99.73, O99.8, O99.81, O99.810, O99.814, O99.815, O99.82, O99.820, O99.824, O99.825, O99.83, O99.830, O99.834, O99.835, O99.84, O99.840, O99.841, O99.842, O99.843, O99.844, O99.845, O99.89, O99.9, O99.90, O99.91</p>	<p>646, 646.0, 646.00, 646.01, 646.03, 646.1, 646.10, 646.11, 646.12, 646.13, 646.14, 646.2, 646.20, 646.21, 646.22, 646.23, 646.24, 646.4, 646.40, 646.41, 646.42, 646.43, 646.44, 646.5, 646.50, 646.51, 646.52, 646.53, 646.54, 646.6, 646.60, 646.61, 646.62, 646.63, 646.64, 646.7, 646.70, 646.71, 646.73, 646.8, 646.80, 646.81, 646.82, 646.83, 646.84, 646.9, 646.90, 646.91, 646.93, 647, 647.0, 647.00, 647.01, 647.02, 647.03, 647.04, 647.1, 647.10, 647.11, 647.12, 647.13, 647.14, 647.2, 647.20, 647.21, 647.22, 647.23, 647.24, 647.3, 647.30, 647.31, 647.32, 647.33, 647.34, 647.4, 647.40, 647.41, 647.42, 647.43, 647.44, 647.5, 647.50, 647.51, 647.52, 647.53, 647.54, 647.6, 647.60, 647.61, 647.62, 647.63, 647.64, 647.8, 647.80, 647.81, 647.82, 647.83, 647.84, 647.9, 647.90, 647.91, 647.92, 647.93, 647.94, 648, 648.0, 648.00, 648.01, 648.02, 648.03, 648.04, 648.1, 648.10, 648.11, 648.12, 648.13, 648.14, 648.2, 648.20, 648.21, 648.22, 648.23, 648.24, 648.3, 648.30, 648.31, 648.32, 648.33, 648.34, 648.4, 648.40, 648.41, 648.42, 648.43, 648.44, 648.5, 648.50, 648.51, 648.52, 648.53, 648.54, 648.6, 648.60, 648.61, 648.62, 648.63, 648.64, 648.7, 648.70, 648.71, 648.72, 648.73, 648.74, 648.8, 648.80, 648.81, 648.82, 648.83, 648.84, 648.9, 648.90, 648.91, 648.92, 648.93, 648.94, 649, 649.0, 649.00, 649.01, 649.02, 649.03, 649.04, 649.1, 649.10, 649.11, 649.12, 649.13, 649.14, 649.2, 649.20, 649.21, 649.22, 649.23, 649.24, 649.3, 649.30, 649.31, 649.32, 649.33, 649.34, 649.4, 649.40, 649.41, 649.42, 649.43, 649.44, 649.5, 649.50, 649.51, 649.53, 649.6, 649.60, 649.61, 649.62, 649.63, 649.64, 649.7, 649.70, 649.71, 649.73, 649.8, 649.81, 649.82, 649.9, 674, 674.0, 674.00, 674.01, 674.02, 674.03, 674.04, 674.1, 674.10, 674.12, 674.14, 674.2, 674.20, 674.22, 674.24, 674.3, 674.30, 674.32, 674.34, 674.4, 674.40, 674.42, 674.44, 674.5, 674.50, 674.51, 674.52, 674.53, 674.54, 674.8, 674.80, 674.82, 674.84, 674.9, 674.90, 674.92, 674.94</p>	<p>B40, B40.9</p>
<p>Late maternal death (after 42 days)</p>	<p>O96, O96.0, O96.1, O96.9, O97, O97.0, O97.1, O97.9</p>		

<p>Other maternal disorders</p>	<p>N98, N98.0, N98.1, N98.2, N98.3, N98.8, N98.9, O09, O09.0, O09.00, O09.01, O09.02, O09.03, O09.1, O09.10, O09.11, O09.12, O09.13, O09.2, O09.21, O09.211, O09.212, O09.213, O09.219, O09.29, O09.291, O09.292, O09.293, O09.299, O09.3, O09.30, O09.31, O09.32, O09.33, O09.4, O09.40, O09.41, O09.42, O09.43, O09.5, O09.51, O09.511, O09.512, O09.513, O09.519, O09.52, O09.521, O09.522, O09.523, O09.529, O09.6, O09.61, O09.611, O09.612, O09.613, O09.619, O09.62, O09.621, O09.622, O09.623, O09.629, O09.7, O09.70, O09.71, O09.72, O09.73, O09.8, O09.81, O09.811, O09.812, O09.813, O09.819, O09.82, O09.821, O09.822, O09.823, O09.829, O09.89, O09.891, O09.892, O09.893, O09.899, O09.9, O09.90, O09.91, O09.92, O09.93, O21, O21.0, O21.1, O21.2, O21.8, O21.9, O22, O22.0, O22.00, O22.01, O22.02, O22.03, O22.1, O22.10, O22.11, O22.12, O22.13, O22.2, O22.20, O22.21, O22.22, O22.23, O22.3, O22.30, O22.31, O22.32, O22.33, O22.4, O22.40, O22.41, O22.42, O22.43, O22.5, O22.50, O22.51, O22.52, O22.53, O22.8, O22.9, O22.90, O22.91, O22.92, O22.93, O26, O26.0, O26.00, O26.01, O26.02, O26.03, O26.1, O26.10, O26.11, O26.12, O26.13, O26.2, O26.20, O26.21, O26.22, O26.23, O26.3, O26.30, O26.31, O26.32, O26.33, O26.4, O26.40, O26.41, O26.42, O26.43, O26.5, O26.50, O26.51, O26.52, O26.53, O26.6, O26.61, O26.611, O26.612, O26.613, O26.619, O26.62, O26.63, O26.7, O26.71, O26.711, O26.712, O26.713, O26.719, O26.72, O26.73, O26.8, O26.81, O26.811, O26.812, O26.813, O26.819, O26.82, O26.821, O26.822, O26.823, O26.829, O26.83, O26.831, O26.832, O26.833, O26.839, O26.84, O26.841, O26.842, O26.843, O26.849, O26.85, O26.851, O26.852, O26.853, O26.859, O26.86, O26.87, O26.872, O26.873, O26.879, O26.89, O26.891, O26.892, O26.893, O26.899, O26.9, O26.90, O26.91, O26.92, O26.93, O28, O28.0, O28.1, O28.2, O28.3, O28.4, O28.5, O28.8, O28.9, O29, O29.0, O29.01, O29.011, O29.012, O29.013, O29.019, O29.02, O29.021, O29.022, O29.023, O29.029, O29.09, O29.091, O29.092, O29.093, O29.099, O29.1, O29.11, O29.111, O29.112, O29.113, O29.119, O29.12, O29.121, O29.122, O29.123, O29.129, O29.19, O29.191, O29.192, O29.193, O29.199, O29.2, O29.21, O29.211, O29.212, O29.213, O29.219, O29.29, O29.291, O29.292, O29.293, O29.299, O29.3, O29.4, O29.40, O29.41, O29.42, O29.43, O29.5, O29.6, O29.60, O29.61, O29.62, O29.63, O29.8, O29.9, O29.90, O29.91, O29.92, O29.93, O30, O30.0, O30.00, O30.001, O30.002, O30.003, O30.009, O30.01, O30.011, O30.012, O30.013, O30.019, O30.02, O30.021, O30.022, O30.023, O30.029, O30.03, O30.031, O30.032, O30.033, O30.039, O30.04, O30.041, O30.042, O30.043, O30.049, O30.09, O30.091, O30.092, O30.093, O30.099, O30.1, O30.10, O30.101, O30.102, O30.103, O30.109, O30.11, O30.111, O30.112, O30.113, O30.119, O30.12, O30.121, O30.122, O30.123, O30.129, O30.19, O30.191, O30.192, O30.193, O30.199, O30.2, O30.20, O30.201, O30.202, O30.203, O30.209</p>	<p>643, 643.0, 643.00, 643.01, 643.03, 643.1, 643.10, 643.11, 643.13, 643.2, 643.20, 643.21, 643.23, 643.8, 643.80, 643.81, 643.83, 643.9, 643.90, 643.91, 643.93, 644, 644.0, 644.00, 644.03, 644.1, 644.10, 644.13, 644.2, 644.20, 644.21, 645, 645.0, 645.01, 645.03, 645.1, 645.10, 645.11, 645.13, 645.2, 645.20, 645.21, 645.23, 650, 650.0, 650.5, 651, 651.0, 651.00, 651.01, 651.03, 651.1, 651.10, 651.11, 651.13, 651.2, 651.20, 651.21, 651.23, 651.3, 651.30, 651.31, 651.33, 651.4, 651.40, 651.41, 651.43, 651.5, 651.50, 651.51, 651.53, 651.6, 651.60, 651.61, 651.63, 651.7, 651.70, 651.71, 651.73, 651.8, 651.80, 651.81, 651.83, 651.9, 651.90, 651.91, 651.93, 652, 652.0, 652.00, 652.01, 652.03, 652.1, 652.10, 652.11, 652.13, 652.2, 652.20, 652.21, 652.23, 652.3, 652.30, 652.31, 652.33, 652.4, 652.40, 652.41, 652.43, 652.5, 652.50, 652.51, 652.53, 652.6, 652.60, 652.61, 652.63, 652.7, 652.70, 652.71, 652.73, 652.8, 652.80, 652.81, 652.83, 652.9, 652.90, 652.91, 652.93, 653, 653.0, 653.00, 653.01, 653.03, 653.1, 653.10, 653.11, 653.13, 653.2, 653.20, 653.21, 653.23, 653.3, 653.30, 653.31, 653.33, 653.4, 653.40, 653.41, 653.43, 653.5, 653.50, 653.51, 653.53, 653.6, 653.60, 653.61, 653.63, 653.7, 653.70, 653.71, 653.73, 653.8, 653.80, 653.81, 653.83, 653.9, 653.90, 653.91, 653.93, 654, 654.0, 654.00, 654.01, 654.02, 654.03, 654.04, 654.1, 654.10, 654.11, 654.12, 654.13, 654.14, 654.2, 654.20, 654.21, 654.23, 654.24, 654.3, 654.30, 654.31, 654.32, 654.33, 654.34, 654.4, 654.40, 654.41, 654.42, 654.43, 654.44, 654.5, 654.50, 654.51, 654.52, 654.53, 654.54, 654.6, 654.60, 654.61, 654.62, 654.63, 654.64, 654.7, 654.70, 654.71, 654.72, 654.73, 654.74, 654.8, 654.80, 654.81, 654.82, 654.83, 654.84, 654.9, 654.90, 654.91, 654.92, 654.93, 654.94, 655, 655.0, 655.00, 655.01, 655.03, 655.1, 655.10, 655.11, 655.13, 655.2, 655.20, 655.21, 655.23, 655.3, 655.30, 655.31, 655.33, 655.4, 655.40, 655.41</p>	<p>B41, B41.9</p>
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<p>Other maternal disorders (cont.)</p>	<p>O30.21, O30.211, O30.212, O30.213, O30.219, O30.22, O30.221, O30.222, O30.223, O30.229, O30.29, O30.291, O30.292, O30.293, O30.299, O30.8, O30.80, O30.801, O30.802, O30.803, O30.809, O30.81, O30.811, O30.812, O30.813, O30.819, O30.82, O30.821, O30.822, O30.823, O30.829, O30.89, O30.891, O30.892, O30.893, O30.899, O30.9, O30.90, O30.91, O30.92, O30.93, O31, O31.0, O31.00, O31.01, O31.02, O31.03, O31.1, O31.10, O31.11, O31.12, O31.13, O31.2, O31.20, O31.21, O31.22, O31.23, O31.3, O31.30, O31.31, O31.32, O31.33, O31.8, O32, O32.0, O32.1, O32.2, O32.3, O32.4, O32.5, O32.6, O32.8, O32.9, O33, O33.0, O33.1, O33.2, O33.3, O33.4, O33.5, O33.6, O33.7, O33.8, O33.9, O34, O34.0, O34.00, O34.01, O34.02, O34.03, O34.1, O34.10, O34.11, O34.12, O34.13, O34.2, O34.21, O34.29, O34.3, O34.30, O34.31, O34.32, O34.33, O34.4, O34.40, O34.41, O34.42, O34.43, O34.5, O34.51, O34.511, O34.512, O34.513, O34.519, O34.52, O34.521, O34.522, O34.523, O34.529, O34.53, O34.531, O34.532, O34.533, O34.539, O34.59, O34.591, O34.592, O34.593, O34.599, O34.6, O34.60, O34.61, O34.62, O34.63, O34.7, O34.70, O34.71, O34.72, O34.73, O34.8, O34.80, O34.81, O34.82, O34.83, O34.9, O34.90, O34.91, O34.92, O34.93, O35, O35.0, O35.1, O35.2, O35.3, O35.4, O35.5, O35.6, O35.7, O35.8, O35.9, O36, O36.0, O36.01, O36.011, O36.0110, O36.0111, O36.0112, O36.0113, O36.0114, O36.0115, O36.0119, O36.012, O36.0120, O36.0121, O36.0122, O36.0123, O36.0124, O36.0125, O36.0129, O36.013, O36.0130, O36.0131, O36.0132, O36.0133, O36.0134, O36.0135, O36.0139, O36.019, O36.0190, O36.0191, O36.0192, O36.0193, O36.0194, O36.0195, O36.0199, O36.09, O36.091, O36.0910, O36.0911, O36.0912, O36.0913, O36.0914, O36.0915, O36.0919, O36.092, O36.0920, O36.0921, O36.0922, O36.0923, O36.0924, O36.0925, O36.0929, O36.093, O36.0930, O36.0931, O36.0932, O36.0933, O36.0934, O36.0935, O36.0939, O36.099, O36.0990, O36.0991, O36.0992, O36.0993, O36.0994, O36.0995, O36.0999, O36.1, O36.11, O36.111, O36.1110, O36.1111, O36.1112, O36.1113, O36.1114, O36.1115, O36.1119, O36.112, O36.1120, O36.1121, O36.1122, O36.1123, O36.1124, O36.1125, O36.1129, O36.113, O36.1130, O36.1131, O36.1132, O36.1133, O36.1134, O36.1135, O36.1139, O36.119, O36.1190, O36.1191, O36.1192, O36.1193, O36.1194, O36.1195, O36.1199, O36.19, O36.191, O36.1910, O36.1911, O36.1912, O36.1913, O36.1914, O36.1915, O36.1919, O36.192, O36.1920, O36.1921, O36.1922, O36.1923, O36.1924, O36.1925, O36.1929, O36.193, O36.1930, O36.1931, O36.1932, O36.1933, O36.1934</p>	<p>655.43, 655.5, 655.50, 655.51, 655.53, 655.6, 655.60, 655.61, 655.63, 655.7, 655.70, 655.71, 655.73, 655.8, 655.80, 655.81, 655.83, 655.9, 655.90, 655.91, 655.93, 656, 656.0, 656.00, 656.01, 656.03, 656.1, 656.10, 656.11, 656.13, 656.2, 656.20, 656.21, 656.23, 656.3, 656.30, 656.31, 656.33, 656.4, 656.40, 656.41, 656.43, 656.5, 656.50, 656.51, 656.53, 656.6, 656.60, 656.61, 656.63, 656.7, 656.70, 656.71, 656.73, 656.8, 656.80, 656.81, 656.83, 656.9, 656.90, 656.91, 656.93, 657, 657.0, 657.00, 657.01, 657.03, 657.1, 658, 658.0, 658.00, 658.01, 658.03, 658.1, 658.10, 658.11, 658.13, 658.2, 658.20, 658.21, 658.23, 658.3, 658.30, 658.31, 658.33, 658.4, 658.40, 658.41, 658.43, 658.8, 658.80, 658.81, 658.83, 658.9, 658.90, 658.91, 658.93, 659, 659.0, 659.00, 659.01, 659.03, 659.1, 659.10, 659.11, 659.13, 659.2, 659.20, 659.21, 659.23, 659.4, 659.40, 659.41, 659.43, 659.5, 659.50, 659.51, 659.53, 659.6, 659.60, 659.61, 659.63, 659.7, 659.70, 659.71, 659.73, 659.8, 659.80, 659.81, 659.83, 659.9, 659.90, 659.91, 659.93, 661, 661.0, 661.00, 661.01, 661.03, 661.1, 661.10, 661.11, 661.13, 661.2, 661.20, 661.21, 661.23, 661.3, 661.30, 661.31, 661.33, 661.4, 661.40, 661.41, 661.43, 661.9, 661.90, 661.91, 661.93, 662, 662.0, 662.00, 662.01, 662.03, 662.1, 662.10, 662.11, 662.13, 662.2, 662.20, 662.21, 662.23, 662.3, 662.30, 662.31, 662.33, 662.8, 663, 663.0, 663.00, 663.01, 663.03, 663.1, 663.10, 663.11, 663.13, 663.2, 663.20, 663.21, 663.23, 663.3, 663.30, 663.31, 663.33, 663.4, 663.40, 663.41, 663.43, 663.5, 663.50, 663.51, 663.53, 663.6, 663.60, 663.61, 663.63, 663.8, 663.80, 663.81, 663.83, 663.9, 663.90, 663.91, 663.93, 664, 664.0, 664.00, 664.01, 664.04, 664.1, 664.10, 664.11, 664.14, 664.2, 664.20, 664.21, 664.24, 664.3, 664.30, 664.31, 664.34, 664.4, 664.40, 664.41, 664.44, 664.5, 664.50, 664.51, 664.54, 664.6, 664.60, 664.61, 664.64, 664.8, 664.80, 664.81, 664.84, 664.9, 664.90, 664.91, 664.94, 665.4</p>	
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<p>Other maternal disorders (cont.)</p>	<p>O36.1935, O36.1939, O36.199, O36.1990, O36.1991, O36.1992, O36.1993, O36.1994, O36.1995, O36.1999, O36.2, O36.20, O36.21, O36.22, O36.23, O36.3, O36.4, O36.5, O36.51, O36.511, O36.5110, O36.5111, O36.5112, O36.5113, O36.5114, O36.5115, O36.5119, O36.512, O36.5120, O36.5121, O36.5122, O36.5123, O36.5124, O36.5125, O36.5129, O36.513, O36.5130, O36.5131, O36.5132, O36.5133, O36.5134, O36.5135, O36.5139, O36.519, O36.5190, O36.5191, O36.5192, O36.5193, O36.5194, O36.5195, O36.5199, O36.59, O36.591, O36.5910, O36.5911, O36.5912, O36.5913, O36.5914, O36.5915, O36.5919, O36.592, O36.5920, O36.5921, O36.5922, O36.5923, O36.5924, O36.5925, O36.5929, O36.593, O36.5930, O36.5931, O36.5932, O36.5933, O36.5934, O36.5935, O36.5939, O36.599, O36.5990, O36.5991, O36.5992, O36.5993, O36.5994, O36.5995, O36.5999, O36.6, O36.60, O36.61, O36.62, O36.63, O36.7, O36.70, O36.71, O36.72, O36.73, O36.8, O36.80, O36.81, O36.812, O36.8120, O36.8121, O36.8122, O36.8123, O36.8124, O36.8125, O36.8129, O36.813, O36.8130, O36.8131, O36.8132, O36.8133, O36.8134, O36.8135, O36.8139, O36.819, O36.8190, O36.8191, O36.8192, O36.8193, O36.8194, O36.8195, O36.8199, O36.82, O36.821, O36.8210, O36.8211, O36.8212, O36.8213, O36.8214, O36.8215, O36.8219, O36.822, O36.8220, O36.8221, O36.8222, O36.8223, O36.8224, O36.8225, O36.8229, O36.823, O36.8230, O36.8231, O36.8232, O36.8233, O36.8234, O36.8235, O36.8239, O36.829, O36.8290, O36.8291, O36.8292, O36.8293, O36.8294, O36.8295, O36.8299, O36.89, O36.891, O36.8910, O36.8911, O36.8912, O36.8913, O36.8914, O36.8915, O36.8919, O36.892, O36.8920, O36.8921, O36.8922, O36.8923, O36.8924, O36.8925, O36.8929, O36.893, O36.8930, O36.8931, O36.8932, O36.8933, O36.8934, O36.8935, O36.8939, O36.899, O36.8990, O36.8991, O36.8992, O36.8993, O36.8994, O36.8995, O36.8999, O36.9, O36.90, O36.91, O36.92, O36.93, O40, O40.1, O40.2, O40.3, O40.9, O41, O41.0, O41.00, O41.01, O41.02, O41.03, O41.1, O41.10, O41.101, O41.1010, O41.1011, O41.1012, O41.1013, O41.1014, O41.1015, O41.1019, O41.102, O41.1020, O41.1021, O41.1022, O41.1023, O41.1024, O41.1025, O41.1029, O41.103, O41.1030, O41.1031, O41.1032, O41.1033, O41.1034, O41.1035, O41.1039, O41.109, O41.1090, O41.1091, O41.1092, O41.1093, O41.1094, O41.1095, O41.1099, O41.12, O41.121, O41.1210, O41.1211, O41.1212, O41.1213, O41.1214, O41.1215, O41.1219, O41.122, O41.1220, O41.1221, O41.1222, O41.1223, O41.1224, O41.1225, O41.1229, O41.123, O41.1230, O41.1231, O41.1232, O41.1233, O41.1234, O41.1235, O41.1239, O41.129, O41.1290, O41.1291</p>	<p>, 665.40, 665.41, 665.44, 665.5, 665.50, 665.51, 665.54, 665.6, 665.60, 665.61, 665.64, 665.7, 665.70, 665.71, 665.72, 665.74, 665.8, 665.80, 665.81, 665.82, 665.83, 665.84, 665.9, 665.90, 665.91, 665.92, 665.93, 665.94, 667, 667.0, 667.00, 667.02, 667.04, 667.1, 667.10, 667.12, 667.14, 667.9, 668, 668.0, 668.00, 668.01, 668.02, 668.03, 668.04, 668.1, 668.10, 668.11, 668.12, 668.13, 668.14, 668.2, 668.20, 668.21, 668.22, 668.23, 668.24, 668.8, 668.80, 668.81, 668.82, 668.83, 668.84, 668.9, 668.90, 668.91, 668.92, 668.93, 668.94, 669, 669.0, 669.00, 669.01, 669.02, 669.03, 669.04, 669.1, 669.10, 669.11, 669.12, 669.13, 669.14, 669.2, 669.20, 669.21, 669.22, 669.23, 669.24, 669.3, 669.30, 669.32, 669.34, 669.4, 669.40, 669.41, 669.42, 669.43, 669.44, 669.5, 669.50, 669.51, 669.6, 669.60, 669.61, 669.7, 669.70, 669.71, 669.8, 669.80, 669.81, 669.82, 669.83, 669.84, 669.9, 669.90, 669.91, 669.92, 669.93, 669.94, 671, 671.0, 671.00, 671.01, 671.02, 671.03, 671.04, 671.1, 671.10, 671.11, 671.12, 671.13, 671.14, 671.2, 671.20, 671.21, 671.22, 671.23, 671.24, 671.3, 671.30, 671.31, 671.33, 671.4, 671.40, 671.42, 671.44, 671.5, 671.50, 671.51, 671.52, 671.53, 671.54, 671.8, 671.80, 671.81, 671.82, 671.83, 671.84, 671.9, 671.90, 671.91, 671.92, 671.93, 671.94, 672, 672.0, 672.00, 672.02, 672.04, 673, 673.0, 673.00, 673.01, 673.02, 673.03, 673.04, 673.1, 673.10, 673.11, 673.12, 673.13, 673.14, 673.2, 673.20, 673.21, 673.22, 673.23, 673.24, 673.3, 673.30, 673.31, 673.32, 673.33, 673.34, 673.8, 673.80, 673.81, 673.82, 673.83, 673.84, 673.9, 675, 675.0, 675.00, 675.01, 675.02, 675.03, 675.04, 675.1, 675.10, 675.11, 675.12, 675.13, 675.14, 675.2, 675.20, 675.21, 675.22, 675.23</p>	
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<p>Other maternal disorders (cont.)</p>	<p>O41.1292, O41.1293, O41.1294, O41.1295, O41.1299, O41.14, O41.141, O41.1410, O41.1411, O41.1412, O41.1413, O41.1414, O41.1415, O41.1419, O41.142, O41.1420, O41.1421, O41.1422, O41.1423, O41.1424, O41.1425, O41.1429, O41.143, O41.1430, O41.1431, O41.1432, O41.1433, O41.1434, O41.1435, O41.1439, O41.149, O41.1490, O41.1491, O41.1492, O41.1493, O41.1494, O41.1495, O41.1499, O41.8, O41.9, O41.90, O41.91, O41.92, O41.93, O42, O42.0, O42.00, O42.01, O42.011, O42.012, O42.013, O42.019, O42.02, O42.1, O42.10, O42.11, O42.111, O42.112, O42.113, O42.119, O42.12, O42.2, O42.9, O42.90, O42.91, O42.911, O42.912, O42.913, O42.919, O42.92, O43, O43.0, O43.01, O43.011, O43.012, O43.013, O43.019, O43.02, O43.021, O43.022, O43.023, O43.029, O43.1, O43.10, O43.101, O43.102, O43.103, O43.109, O43.11, O43.111, O43.112, O43.113, O43.119, O43.12, O43.121, O43.122, O43.123, O43.129, O43.19, O43.191, O43.192, O43.193, O43.199, O43.8, O43.81, O43.811, O43.812, O43.813, O43.819, O43.89, O43.891, O43.892, O43.893, O43.899, O43.9, O43.90, O43.91, O43.92, O43.93, O47, O47.0, O47.00, O47.02, O47.03, O47.1, O47.9, O48, O48.0, O48.1, O60, O60.0, O60.00, O60.02, O60.03, O60.1, O60.10, O60.12, O60.13, O60.14, O60.2, O60.20, O60.22, O60.23, O61, O61.0, O61.1, O61.8, O61.9, O62, O62.0, O62.1, O62.2, O62.3, O62.4, O62.8, O62.9, O63, O63.0, O63.1, O63.2, O63.9, O68, O68.0, O68.1, O68.2, O68.3, O68.8, O68.9, O69, O69.0, O69.1, O69.2, O69.3, O69.4, O69.5, O69.8, O69.81, O69.82, O69.89, O69.9, O70.0, O70.1, O70.2, O70.3, O70.4, O70.9, O73, O73.0, O73.1, O74, O74.0, O74.1, O74.2, O74.3, O74.4, O74.5, O74.6, O74.7, O74.8, O74.9, O75, O75.0, O75.1, O75.2, O75.3, O75.4, O75.5, O75.6, O75.7, O75.8, O75.81, O75.82, O75.89, O75.9, O76, O77, O77.0, O77.1, O77.8, O77.9, O80, O80.0, O80.1, O80.8, O80.9, O81, O81.0, O81.1, O81.2, O81.3, O81.4, O81.5, O82, O82.0, O82.1, O82.2, O82.8, O82.9, O83, O83.0, O83.1, O83.2, O83.3, O83.4, O83.8, O83.9, O84, O84.0, O84.1, O84.2, O84.8, O84.9, O87, O87.0, O87.1, O87.2, O87.3, O87.4, O87.8, O87.9, O88, O88.0, O88.01, O88.011, O88.012, O88.013, O88.019, O88.02, O88.03, O88.1, O88.11, O88.111, O88.112, O88.113, O88.119, O88.12, O88.13, O88.2, O88.21, O88.211, O88.212, O88.213, O88.219, O88.22, O88.23, O88.3, O88.31, O88.311, O88.312, O88.313, O88.319, O88.32, O88.33, O88.8, O88.81, O88.811, O88.812, O88.813, O88.819, O88.82, O88.83, O89, O89.0, O89.01, O89.09, O89.1, O89.2, O89.3, O89.4, O89.5, O89.6, O89.8, O89.9, O90, O90.0, O90.1, O90.2, O90.3, O90.4, O90.5, O90.6, O90.8, O90.81, O90.89, O90.9, O92, O92.0, O92.01, O92.011, O92.012, O92.013, O92.019, O92.02, O92.03, O92.1, O92.11, O92.111, O92.112, O92.113, O92.119, O92.12, O92.13, O92.2, O92.20, O92.29, O92.3, O92.4, O92.5, O92.6, O92.7, O92.70, O92.79</p>	<p>675.24, 675.8, 675.80, 675.81, 675.82, 675.83, 675.84, 675.9, 675.90, 675.91, 675.92, 675.93, 675.94, 676, 676.0, 676.00, 676.01, 676.02, 676.03, 676.04, 676.1, 676.10, 676.11, 676.12, 676.13, 676.14, 676.2, 676.20, 676.21, 676.22, 676.23, 676.24, 676.3, 676.30, 676.31, 676.32, 676.33, 676.34, 676.4, 676.40, 676.41, 676.42, 676.43, 676.44, 676.5, 676.50, 676.51, 676.52, 676.53, 676.54, 676.6, 676.60, 676.61, 676.62, 676.63, 676.64, 676.8, 676.80, 676.81, 676.82, 676.83, 676.84, 676.9, 676.90, 676.91, 676.92, 676.93, 676.94, 677, 678, 678.0, 678.00, 678.01, 678.03, 678.1, 678.10, 678.11, 678.13, 679, 679.0, 679.00, 679.01, 679.02, 679.03, 679.04, 679.1, 679.10, 679.11, 679.12, 679.13, 679.14</p>	
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Appendix Table 3: Causes of death partially reassigned to maternal causes

Appendix Table 3: Maternal death rates before and after garbage code redistribution and % change for global deaths, 7 GBD super regions, and 21 GBD regions.			
Location	Rate per 100,000		% change
	Before garbage code redistribution	After garbage code redistribution	
Worldwide	0.73	0.91	1.25
1: High Income	0.56	0.73	1.30
2: Eastern Europe/Central Asia	0.75	0.98	1.30
3: Sub-Saharan Africa	8.03	8.25	1.03
4: North Africa/Middle East	1.08	1.46	1.35
5: South Asia	3.96	6.92	1.75
6: East Asia/Pacific	0.14	0.17	1.26
7: Latin America/Caribbean	3.19	3.78	1.19
1: Asia Pacific, High Income	0.26	0.32	1.24
2: Asia, Central	2.28	2.80	1.23
3: Asia, East	0.09	0.11	1.18
4: Asia, South	3.96	6.92	1.75
5: Asia, Southeast	3.57	5.10	1.43
6: Australasia	0.23	0.31	1.35
7: Caribbean	1.62	1.84	1.13
8: Europe, Central	0.32	0.43	1.36
9: Europe, Eastern	0.81	1.06	1.31
10: Europe, Western	0.24	0.33	1.38
11: Latin America, Andean	2.94	3.95	1.35
12: Latin America, Central	3.38	3.84	1.13
13: Latin America, Southern	2.64	3.58	1.35
14: Latin America, Tropical	3.04	3.89	1.28
15: North Africa / Middle East	1.08	1.46	1.35
16: North America, High Income	0.99	1.24	1.25
17: Oceania	1.77	4.01	2.25
20: Sub-Saharan Africa, Southern	12.55	13.11	1.04
21: Sub-Saharan Africa, West	2.96	2.78	0.94

Appendix Table 4: Covariates used in CODEm

Appendix Table 4: Covariates used in CODEm		
Covariate	Direction	Level
Age-specific fertility rate	1	1
Total fertility rate	1	1
Age-standardized HIV death rate for females 15-49	1	1
Neonatal death rate	1	1
Lag-distributed GDP per capita	-1	3
Proportion of deliveries occurring in facilities	-1	1
Proportion of deliveries performed by skilled birth attendants	-1	1
Coverage of 4 visits of antenatal care	-1	2
Malnutrition in children under 5 years (proportion > 2SD below mean weight for age)	1	2
Health system access	-1	2

Appendix Table 5: CODEm sub-model performance

Appendix Table 5: CODEm sub-model performance								
Overall Rank	Model type	Dependent variable	Covariates	Root Mean Squared Error		Trend Test		Draws
				Test 1	Rank	Test 1	Rank	
1	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65304	1	0.31163	2	180
2	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65317	2	0.31168	5	148
3	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65559	8	0.31174	8	121
4	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65573	10	0.31174	9	99
5	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate)	0.65484	3	0.31178	17	81
6	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65563	9	0.31177	13	67
7	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65555	6	0.31178	16	55
8	spacetime	Logit(CF)	Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65711	23	0.31161	1	45
9	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.65687	22	0.31166	4	37
10	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.65488	4	0.31185	24	30
11	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate)	0.65508	5	0.31183	23	25
12	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.65557	7	0.31183	22	20
13	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.65711	24	0.31174	6	17
14	spacetime	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65794	29	0.31166	3	14

15	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.65774	28	0.31174	7	11
16	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.65746	26	0.31177	15	9
17	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.65815	30	0.31177	12	7
18	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.65627	13	0.31193	30	6
19	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65883	32	0.31177	11	5
20	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.66006	36	0.31176	10	4
21	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.65593	11	0.31195	36	3
22	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.65636	16	0.31193	31	3
23	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.65654	18	0.31192	29	2
24	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.65663	15	0.31193	33	2
25	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65993	35	0.31177	14	2
26	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.6584	31	0.31179	19	1
27	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.65733	25	0.31188	26	1
28	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65952	34	0.31179	18	1
29	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.65597	12	0.31196	40	1

30	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.65627	14	0.31196	39	1
31	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.6566	19	0.31194	34	0
32	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.65946	33	0.3118	20	0
33	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.6567	21	0.31193	32	0
34	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.65748	27	0.3119	27	0
35	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits,	0.65637	17	0.31195	38	0
36	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.65669	20	0.31195	35	0
37	spacetime	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.66028	37	0.31181	21	0
38	spacetime	Logit(CF)	Ln(Total fertility rate)	0.66293	40	0.31188	25	0
39	spacetime	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate)	0.66313	43	0.31192	28	0
40	spacetime	Logit(CF)	Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66067	39	0.31195	37	0
41	spacetime	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66046	38	0.31197	41	0
42	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66294	41	0.31204	43	0
43	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66325	45	0.31205	46	0

44	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66348	47	0.31205	45	0
45	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66315	44	0.31206	50	0
46	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66398	52	0.31204	42	0
47	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66399	53	0.31204	44	0
48	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66301	42	0.31207	55	0
49	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66368	49	0.31206	49	0
50	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66341	46	0.31206	52	0
51	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.66397	51	0.31206	51	0
52	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66354	48	0.31207	54	0
53	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66428	56	0.31205	47	0
54	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.6643	57	0.31205	48	0
55	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.66381	50	0.31208	57	0
56	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.66427	55	0.31207	53	0

57	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.66409	54	0.31208	58	0
58	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.66473	61	0.31207	56	0
59	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.66447	59	0.31209	59	0
60	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Lag distributed income per capita)	0.66502	62	0.31216	61	0
61	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.66579	67	0.31218	67	0
62	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.66637	68	0.31219	73	0
63	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.67221	82	0.3122	83	0
64	spacetime	Logit(CF)	Education (mean years per capita)	0.66993	73	0.31231	97	0
65	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.67335	87	0.3122	84	0
66	spacetime	Logit(CF)	Education (mean years per capita), Ln(Lag distributed income per capita)	0.67518	91	0.3122	80	0
67	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.67141	80	0.31229	92	0
68	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.67327	85	0.31221	87	0
69	spacetime	Logit(CF)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.6724	83	0.31224	91	0
70	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Health system access (capped), Ln(Lag distributed income per capita)	0.67273	84	0.31223	90	0
71	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.67338	89	0.31221	85	0
72	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.67332	86	0.31221	88	0

73	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.67342	90	0.31221	86	0
74	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.67335	88	0.31221	89	0
75	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita)	0.66443	58	0.31237	122	0
76	spacetime	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66788	69	0.31235	112	0
77	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.6763	93	0.31231	95	0
78	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.67678	94	0.31231	96	0
79	spacetime	Logit(CF)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.66928	71	0.31236	119	0
80	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.6645	60	0.31238	130	0
81	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66515	63	0.31237	128	0
82	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.66859	70	0.31237	124	0
83	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.67004	76	0.31236	118	0
84	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66934	72	0.31237	127	0
85	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.67721	96	0.31233	103	0
86	spacetime	Logit(CF)	Age-specific fertility rate, Ln(Lag distributed income per capita)	0.6805	102	0.31231	98	0

87	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.66562	66	0.31239	134	0
88	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.6791	99	0.31232	102	0
89	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68029	101	0.31232	101	0
90	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.66519	65	0.3124	137	0
91	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.67	74	0.31238	132	0
92	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.66518	64	0.31241	143	0
93	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.67022	77	0.31238	131	0
94	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68065	104	0.31234	106	0
95	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.67022	79	0.31238	133	0
96	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Health system access (capped)	0.67001	75	0.3124	138	0
97	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.67022	78	0.31239	136	0
98	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.68086	105	0.31236	116	0
99	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.68256	114	0.31236	120	0
100	linear	Logit(CF)	Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70191	174	0.31216	63	0
101	linear	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70204	175	0.31217	64	0

102	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.67166	81	0.31255	160	0
103	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70215	177	0.31218	68	0
104	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70211	176	0.31218	71	0
105	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70176	173	0.31219	74	0
106	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.68252	112	0.31239	135	0
107	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70167	172	0.31219	76	0
108	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70366	189	0.31216	60	0
109	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70228	179	0.31219	72	0
110	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70379	190	0.31216	62	0
111	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70222	178	0.31219	75	0
112	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.67554	92	0.31258	162	0
113	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.67715	95	0.31258	161	0
114	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70354	187	0.31218	70	0
115	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70362	188	0.31218	69	0
116	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.70281	181	0.31219	77	0
117	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70404	194	0.31217	65	0

118	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.704	193	0.31217	66	0
119	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.67724	97	0.31259	165	0
120	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants	0.67803	98	0.31271	167	0
121	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.70328	185	0.3122	82	0
122	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.68063	103	0.31259	164	0
123	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.70334	186	0.3122	81	0
124	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.67918	100	0.31272	168	0
125	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.70391	191	0.3122	79	0
126	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Ln(Lag distributed income per capita)	0.70394	192	0.3122	78	0
127	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.68152	108	0.31258	163	0
128	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.68194	110	0.3126	166	0
129	spacetime	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery	0.68117	107	0.3128	172	0
130	spacetime	Logit(CF)	Proportion of deliveries with skilled birth attendants	0.6901	128	0.31274	169	0
131	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.69036	129	0.31275	170	0
132	spacetime	Logit(CF)	Proportion of pregnancies with in-facility delivery	0.69204	134	0.31285	175	0
133	spacetime	Logit(CF)	Age-specific fertility rate	0.69354	137	0.31288	176	0

134	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.70636	214	0.31236	115	0
135	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.7066	218	0.31235	113	0
136	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70603	208	0.31237	123	0
137	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.70631	213	0.31236	121	0
138	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.70651	217	0.31236	117	0
139	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70616	210	0.31237	125	0
140	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits	0.7067	221	0.31235	114	0
141	linear	Logit(CF)	Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70266	180	0.31245	159	0
142	linear	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70312	184	0.31245	158	0
143	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate)	0.70919	254	0.31229	93	0
144	linear	Logit(CF)	Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70804	237	0.31235	111	0
145	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.70843	243	0.31233	105	0
146	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.68103	106	0.31383	243	0
147	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.70857	245	0.31233	104	0
148	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.7084	241	0.31234	109	0

149	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70824	240	0.31234	110	0
150	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.7049	198	0.31243	152	0
151	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70483	196	0.31243	155	0
152	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.7085	244	0.31234	107	0
153	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.68249	111	0.31383	242	0
154	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70488	197	0.31243	156	0
155	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.7051	200	0.31243	153	0
156	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate)	0.70947	260	0.31229	94	0
157	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70512	201	0.31243	154	0
158	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.6894	127	0.31375	228	0
159	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.68832	126	0.31376	229	0
160	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.68302	115	0.31383	240	0
161	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.68192	109	0.31385	247	0

162	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70492	199	0.31244	157	0
163	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.70923	257	0.31232	100	0
164	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.70934	259	0.31232	99	0
165	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.70902	250	0.31234	108	0
166	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.69049	130	0.31377	230	0
167	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.68253	113	0.31385	248	0
168	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.6844	117	0.31384	245	0
169	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.6843	116	0.31384	246	0
170	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.69091	131	0.31379	232	0
171	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.68476	119	0.31384	244	0
172	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70662	219	0.31241	146	0
173	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.69299	135	0.31378	231	0
174	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70686	223	0.31241	144	0
175	linear	Logit(CF)	Ln(Total fertility rate)	0.70807	238	0.31237	129	0

176	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70734	227	0.3124	142	0
177	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7074	228	0.3124	141	0
178	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.68468	118	0.31386	252	0
179	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68589	122	0.31385	249	0
180	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70754	231	0.3124	140	0
181	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.68508	120	0.31386	251	0
182	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7076	232	0.3124	139	0
183	linear	Logit(CF)	Age-specific fertility rate, Ln(Total fertility rate)	0.70861	246	0.31237	126	0
184	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.70678	222	0.31243	151	0
185	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.70718	226	0.31242	149	0
186	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68537	121	0.31386	254	0
187	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.70716	225	0.31242	150	0

188	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.7075	230	0.31242	148	0
189	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68668	125	0.31386	253	0
190	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68621	123	0.31387	256	0
191	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.70765	233	0.31241	147	0
192	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.70798	236	0.31241	145	0
193	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.68667	124	0.31388	258	0
194	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Health system access (capped), Ln(Lag distributed income per capita)	0.69833	157	0.31382	238	0
195	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.7005	162	0.31381	237	0
196	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Ln(Lag distributed income per capita)	0.69326	136	0.31393	264	0
197	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70145	170	0.31379	233	0
198	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70097	165	0.31382	239	0
199	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.69472	141	0.31393	263	0
200	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70097	164	0.31383	241	0

201	spacetime	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.69462	140	0.31395	265	0
202	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.69816	156	0.31389	260	0
203	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.6994	159	0.31388	257	0
204	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.69812	155	0.31392	262	0
205	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.69889	158	0.31389	261	0
206	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.69976	160	0.31388	259	0
207	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.69791	154	0.31395	266	0
208	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.69676	146	0.31438	279	0
209	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.69698	148	0.31437	278	0
210	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.69677	147	0.3144	284	0
211	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.697	149	0.31439	283	0

212	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.69736	152	0.31438	280	0
213	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.69711	150	0.31439	282	0
214	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.69152	133	0.31446	302	0
215	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70141	168	0.314	267	0
216	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.69122	132	0.31447	303	0
217	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.69716	151	0.31442	286	0
218	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.69757	153	0.31441	285	0
219	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.69388	138	0.31446	300	0
220	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.69549	143	0.31444	297	0
221	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.69394	139	0.31446	301	0
222	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.69513	142	0.31445	298	0

223	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.6963	144	0.31447	304	0
224	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.69636	145	0.31447	305	0
225	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.70144	169	0.31438	281	0
226	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.70281	182	0.31436	277	0
227	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70044	161	0.3145	306	0
228	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70644	215	0.31386	255	0
229	spacetime	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70662	220	0.31385	250	0
230	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71458	284	0.31298	188	0
231	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70521	203	0.31428	269	0
232	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71438	282	0.31298	190	0
233	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.70544	204	0.31429	270	0
234	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70114	167	0.31451	307	0
235	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70514	202	0.31429	273	0

236	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.70546	205	0.31429	271	0
237	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71477	286	0.313	192	0
238	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.70551	206	0.31429	272	0
239	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70098	166	0.31456	316	0
240	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.71982	308	0.31284	174	0
241	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.72008	311	0.31284	173	0
242	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70153	171	0.31455	315	0
243	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70922	256	0.31381	236	0
244	spacetime	Ln(Rate)	Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.70931	258	0.3138	234	0
245	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita), Ln(Lag distributed income per capita)	0.72156	325	0.3128	171	0
246	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.70581	207	0.31442	289	0
247	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71837	297	0.31304	200	0
248	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71851	300	0.31304	198	0
249	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72044	315	0.31294	184	0

250	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72055	317	0.31294	183	0
251	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.70624	211	0.31442	290	0
252	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71866	302	0.31304	199	0
253	linear	Logit(CF)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7185	299	0.31307	203	0
254	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.70743	229	0.31431	275	0
255	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.72163	326	0.31294	180	0
256	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.70645	216	0.31444	294	0
257	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71952	306	0.3131	206	0
258	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.72052	316	0.31307	202	0
259	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71979	307	0.31328	212	0
260	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71944	305	0.31329	215	0
261	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.7077	234	0.31442	287	0
262	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71983	309	0.31328	213	0

263	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.72393	341	0.31294	181	0
264	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70921	255	0.31425	268	0
265	linear	Logit(CF)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72187	329	0.31303	197	0
266	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72008	312	0.31329	214	0
267	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72358	337	0.31299	191	0
268	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.72414	348	0.31294	182	0
269	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72408	346	0.31297	185	0
270	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.72361	338	0.313	193	0
271	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72409	347	0.31297	186	0
272	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.72523	358	0.31293	179	0
273	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70615	209	0.3146	329	0

274	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70476	195	0.31463	344	0
275	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Health system access (capped), Ln(Lag distributed income per capita)	0.72475	353	0.31298	187	0
276	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.72402	343	0.3131	205	0
277	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70795	235	0.31454	314	0
278	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70843	242	0.31453	312	0
279	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate)	0.71408	281	0.3143	274	0
280	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate)	0.71391	280	0.31431	276	0
281	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71106	264	0.31443	293	0
282	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.71088	266	0.31443	292	0
283	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.7261	364	0.31301	195	0
284	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70907	251	0.31451	309	0
285	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72612	365	0.31301	196	0
286	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72402	342	0.31338	221	0
287	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71133	268	0.31444	295	0

288	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72403	344	0.31338	219	0
289	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.72524	359	0.3131	204	0
290	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.71312	276	0.31442	288	0
291	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72404	345	0.31338	220	0
292	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70909	252	0.31454	313	0
293	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.70708	224	0.31462	341	0
294	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.71157	269	0.31444	296	0
295	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.72513	357	0.31311	208	0
296	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.72786	375	0.313	194	0
297	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.71368	278	0.31442	291	0
298	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.70061	163	0.31484	407	0
299	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71216	272	0.31445	299	0

300	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.70912	253	0.31457	318	0
301	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.7105	263	0.31451	308	0
302	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Health system access (capped)	0.72748	371	0.31305	201	0
303	spacetime	Ln(Rate)	Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71045	262	0.31452	311	0
304	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.70628	212	0.31469	363	0
305	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.71088	267	0.31452	310	0
306	linear	Logit(CF)	Age-specific fertility rate, Education (mean years per capita)	0.73082	401	0.3129	177	0
307	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.71018	261	0.31458	320	0
308	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.70811	239	0.31464	346	0
309	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72828	378	0.31327	211	0
310	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72934	382	0.31326	209	0
311	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72937	383	0.31326	210	0
312	spacetime	Ln(Rate)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71293	275	0.31458	322	0

313	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.70291	183	0.3149	416	0
314	linear	Logit(CF)	Education (mean years per capita), Ln(Lag distributed income per capita)	0.73888	431	0.31292	178	0
315	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.73021	395	0.3133	216	0
316	linear	Logit(CF)	Age-specific fertility rate, Ln(Lag distributed income per capita)	0.73178	407	0.3131	207	0
317	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70862	247	0.31473	370	0
318	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70866	248	0.31473	373	0
319	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.73155	405	0.3133	217	0
320	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Lag distributed income per capita)	0.71671	295	0.31459	328	0
321	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.73165	406	0.31333	218	0
322	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.73181	408	0.31352	222	0
323	spacetime	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.70869	249	0.31475	382	0
324	linear	Logit(CF)	Education (mean years per capita)	0.74292	447	0.31298	189	0
325	spacetime	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71067	265	0.31473	372	0
326	linear	Logit(CF)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants	0.73307	414	0.31353	223	0
327	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71484	288	0.31466	358	0
328	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7202	314	0.31461	335	0

329	linear	Logit(CF)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery	0.73696	428	0.3136	224	0
330	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.71919	304	0.31465	352	0
331	linear	Logit(CF)	Proportion of deliveries with skilled birth attendants	0.74046	434	0.31369	227	0
332	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.71232	274	0.31477	387	0
333	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.7201	313	0.31465	349	0
334	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71635	294	0.31472	368	0
335	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71228	273	0.31479	391	0
336	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.74121	439	0.31369	226	0
337	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.71371	279	0.31477	386	0
338	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.71553	291	0.31475	384	0
339	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72353	336	0.31464	348	0
340	linear	Logit(CF)	Proportion of pregnancies with in-facility delivery	0.7455	459	0.31381	235	0
341	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72525	360	0.31461	334	0
342	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72369	339	0.31466	355	0
343	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.72198	330	0.3147	365	0

344	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped)	0.71531	290	0.31483	406	0
345	linear	Logit(CF)	Age-specific fertility rate	0.75217	477	0.31368	225	0
346	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.72482	354	0.31465	350	0
347	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.71614	293	0.31484	411	0
348	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.71204	270	0.31505	434	0
349	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.71601	292	0.31484	413	0
350	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72989	388	0.31458	321	0
351	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72994	389	0.31459	324	0
352	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Health system access (capped)	0.71358	277	0.31509	436	0
353	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7121	271	0.3152	444	0
354	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71842	298	0.31492	420	0
355	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.72585	363	0.31466	357	0
356	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.71462	285	0.31507	435	0

357	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.71874	303	0.31491	418	0
358	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73151	404	0.31457	317	0
359	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.71453	283	0.3151	438	0
360	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.7296	385	0.31462	336	0
361	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73122	403	0.31457	319	0
362	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.72966	386	0.31462	337	0
363	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.7186	301	0.31495	423	0
364	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73051	398	0.31459	326	0
365	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73011	392	0.31461	333	0
366	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73014	393	0.31461	332	0
367	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73057	400	0.31459	327	0
368	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72253	333	0.31479	394	0

369	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71481	287	0.31511	440	0
370	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72095	319	0.31484	409	0
371	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72297	334	0.31479	395	0
372	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71523	289	0.31513	441	0
373	spacetime	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.7222	331	0.3148	400	0
374	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.72499	356	0.31474	375	0
375	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.72002	310	0.31493	422	0
376	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73199	411	0.31458	323	0
377	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Health system access (capped)	0.72772	373	0.31468	361	0
378	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.7278	374	0.31469	362	0
379	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.73018	394	0.31462	343	0

380	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73199	412	0.31459	325	0
381	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.73023	396	0.31462	342	0
382	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73194	410	0.3146	330	0
383	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.72637	366	0.31474	376	0
384	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72452	350	0.31479	392	0
385	spacetime	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.71804	296	0.31521	446	0
386	spacetime	Ln(Rate)	Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72185	328	0.3149	417	0
387	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72304	335	0.31484	410	0
388	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.72098	320	0.31497	426	0
389	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.72738	370	0.31474	377	0

390	spacetime	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.72453	351	0.3148	398	0
391	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.72113	322	0.31498	427	0
392	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.72102	321	0.31499	430	0
393	linear	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73439	421	0.31461	331	0
394	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72127	323	0.31499	429	0
395	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72167	327	0.31495	425	0
396	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Ln(Lag distributed income per capita)	0.73314	415	0.31462	338	0
397	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.72499	355	0.3148	399	0
398	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72467	352	0.31482	403	0
399	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72062	318	0.31509	437	0
400	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73316	416	0.31462	339	0
401	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate)	0.72986	387	0.31472	369	0
402	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.73328	417	0.31462	340	0
403	spacetime	Ln(Rate)	Ln(Total fertility rate)	0.73009	391	0.31472	367	0
404	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.72998	390	0.31473	371	0

405	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.72223	332	0.315	431	0
406	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7213	324	0.31511	439	0
407	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.72851	379	0.31478	390	0
408	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72544	361	0.31484	408	0
409	spacetime	Ln(Rate)	Education (mean years per capita), Ln(Lag distributed income per capita)	0.72948	384	0.31476	385	0
410	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.72641	367	0.31482	404	0
411	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.72418	349	0.31495	424	0
412	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.73036	397	0.31475	381	0
413	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.73862	430	0.31465	351	0
414	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.7275	372	0.31484	412	0
415	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7383	429	0.31466	356	0
416	spacetime	Ln(Rate)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72664	368	0.31492	419	0
417	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.74195	444	0.31463	345	0
418	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.7408	436	0.31465	353	0

419	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7268	369	0.31493	421	0
420	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.72804	376	0.31486	414	0
421	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.72547	362	0.31498	428	0
422	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.74087	437	0.31465	354	0
423	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73978	433	0.31467	359	0
424	linear	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.74214	445	0.31464	347	0
425	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73968	432	0.31468	360	0
426	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.72381	340	0.31527	455	0
427	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73053	399	0.31481	402	0
428	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74105	438	0.31471	366	0
429	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74127	441	0.3147	364	0
430	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.731	402	0.31482	405	0
431	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74075	435	0.31475	378	0
432	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.7346	422	0.31479	393	0
433	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Health system access (capped), Ln(Lag distributed income per capita)	0.74147	442	0.31475	380	0
434	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74126	440	0.31477	388	0
435	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74674	464	0.31474	374	0

436	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.74149	443	0.3148	396	0
437	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74351	451	0.31478	389	0
438	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.73546	426	0.31488	415	0
439	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.74676	465	0.31475	379	0
440	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74303	448	0.3148	397	0
441	linear	Ln(Rate)	Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74697	466	0.31475	383	0
442	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(Lag distributed income per capita)	0.74317	449	0.31481	401	0
443	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72928	381	0.31556	488	0
444	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.73249	413	0.31531	456	0
445	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7319	409	0.31535	461	0
446	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.73467	423	0.31523	450	0
447	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.73336	418	0.31532	457	0
448	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7354	425	0.31523	451	0

449	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72871	380	0.31559	496	0
450	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.72806	377	0.31562	507	0
451	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.74564	461	0.31504	433	0
452	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(Lag distributed income per capita)	0.74637	463	0.31501	432	0
453	spacetime	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita)	0.7438	453	0.31523	449	0
454	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.73369	419	0.31554	485	0
455	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.73372	420	0.31557	491	0
456	spacetime	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.74898	468	0.31523	448	0
457	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.74556	460	0.31534	459	0
458	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.74491	457	0.31535	462	0
459	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.74324	450	0.31539	470	0
460	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age)	0.74253	446	0.31542	476	0

461	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.74464	456	0.31538	467	0
462	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.74429	455	0.31538	469	0
463	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.74353	452	0.31541	474	0
464	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.74569	462	0.31536	464	0
465	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.74494	458	0.31539	471	0
466	spacetime	Ln(Rate)	Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7363	427	0.31562	506	0
467	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.75029	469	0.31536	465	0
468	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age)	0.7483	467	0.31538	468	0
469	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.75184	476	0.31534	460	0
470	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75532	484	0.31524	453	0
471	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75506	483	0.31526	454	0

472	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.75163	474	0.31535	463	0
473	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.75309	481	0.31533	458	0
474	spacetime	Ln(Rate)	Education (mean years per capita)	0.75933	499	0.31517	442	0
475	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75801	495	0.31522	447	0
476	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75916	498	0.3152	445	0
477	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75967	501	0.31519	443	0
478	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75159	473	0.3154	472	0
479	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.75737	493	0.31524	452	0
480	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.73525	424	0.31575	523	0
481	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75095	471	0.31543	477	0
482	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75086	470	0.31552	483	0
483	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75154	472	0.31556	490	0
484	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75284	478	0.31555	486	0

485	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75871	497	0.3154	473	0
486	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75691	491	0.31546	479	0
487	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75738	494	0.31544	478	0
488	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.75297	479	0.31559	498	0
489	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.75613	486	0.31557	492	0
490	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.74393	454	0.31577	525	0
491	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75542	485	0.31559	497	0
492	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.75643	489	0.31558	494	0
493	linear	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.75461	482	0.3156	502	0
494	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.75983	502	0.31556	487	0

495	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75617	487	0.31561	503	0
496	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.76333	513	0.31556	489	0
497	linear	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.75667	490	0.31566	513	0
498	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants	0.76045	503	0.31559	500	0
499	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants	0.75709	492	0.31568	516	0
500	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.76197	507	0.31559	501	0
501	spacetime	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.75638	488	0.31572	521	0
502	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.76196	506	0.31561	504	0
503	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.76324	512	0.31559	499	0
504	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants,	0.75814	496	0.31568	515	0
505	spacetime	Ln(Rate)	Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.77053	531	0.31551	482	0
506	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate)	0.77083	532	0.31551	481	0
507	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.76146	504	0.31563	510	0
508	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.75178	475	0.31582	543	0
509	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate)	0.77274	538	0.31548	480	0
510	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.75945	500	0.31572	520	0
511	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Lag distributed income per capita)	0.7675	525	0.31558	495	0

512	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.75308	480	0.31582	542	0
513	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7628	508	0.31571	517	0
514	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.76667	524	0.31561	505	0
515	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.76151	505	0.31576	524	0
516	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Lag distributed income per capita)	0.76577	520	0.31564	512	0
517	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate)	0.77673	557	0.31542	475	0
518	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Health system access (capped)	0.77372	544	0.31557	493	0
519	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77582	554	0.31553	484	0
520	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate)	0.77956	574	0.31537	466	0
521	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.77196	533	0.31562	508	0
522	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.77197	534	0.31562	509	0
523	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76449	515	0.3158	534	0
524	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.76978	530	0.31572	519	0

525	linear	Ln(Rate)	Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7724	537	0.31567	514	0
526	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Ln(Lag distributed income per capita)	0.7636	514	0.3158	537	0
527	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.77306	541	0.31563	511	0
528	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76636	521	0.31579	532	0
529	linear	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76562	519	0.3158	536	0
530	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76476	517	0.3158	539	0
531	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7631	511	0.31584	550	0
532	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.77234	536	0.31579	530	0
533	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.77208	535	0.3158	535	0
534	linear	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.77497	548	0.31574	522	0
535	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76856	529	0.31583	546	0

536	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(Lag distributed income per capita)	0.77339	543	0.31579	533	0
537	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.77524	549	0.31578	528	0
538	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.77562	552	0.31579	531	0
539	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery	0.76755	526	0.31589	560	0
540	linear	Ln(Rate)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.76543	518	0.31592	569	0
541	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.77797	564	0.31577	526	0
542	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77282	539	0.31586	554	0
543	linear	Ln(Rate)	Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77415	546	0.31584	549	0
544	spacetime	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49)	0.76304	510	0.31604	587	0
545	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.76285	509	0.31607	592	0
546	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77283	540	0.31589	562	0
547	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.77746	562	0.31581	540	0
548	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.77737	561	0.31581	541	0
549	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery	0.77803	565	0.3158	538	0

550	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7664	522	0.31603	585	0
551	linear	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.76831	528	0.31602	582	0
552	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.76454	516	0.31607	594	0
553	linear	Ln(Rate)	Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77308	542	0.31592	568	0
554	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.76661	523	0.31604	588	0
555	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77931	572	0.31582	544	0
556	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77901	570	0.31583	547	0
557	linear	Ln(Rate)	Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.78202	588	0.31578	529	0
558	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.76764	527	0.31605	590	0
559	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Ln(HIV death rate, females 15-49)	0.78338	593	0.31577	527	0
560	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.77682	558	0.3159	564	0

561	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.7758	553	0.31592	570	0
562	spacetime	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49)	0.77464	547	0.31596	576	0
563	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.77708	560	0.3159	563	0
564	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77381	545	0.31603	584	0
565	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.78064	584	0.31583	548	0
566	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77538	551	0.316	581	0
567	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate), Health system access (capped)	0.79016	615	0.31572	518	0
568	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.77878	568	0.31592	567	0
569	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate)	0.77898	569	0.31592	566	0
570	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Health system access (capped)	0.77526	550	0.31604	586	0
571	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Total fertility rate), Malnutrition (proportion of population >2SD under mean weight for age)	0.78438	596	0.31582	545	0
572	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.78032	583	0.31589	561	0
573	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.78201	587	0.31587	557	0
574	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.78205	589	0.31587	556	0
575	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77905	571	0.31595	574	0

576	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77628	555	0.31605	591	0
577	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.77964	576	0.31593	571	0
578	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.77702	559	0.31607	593	0
579	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.78017	582	0.31594	572	0
580	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.78739	603	0.31584	551	0
581	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Total fertility rate)	0.78234	590	0.31591	565	0
582	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.77825	566	0.31608	595	0
583	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.7882	609	0.31586	553	0
584	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.78237	591	0.31595	573	0
585	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.78834	610	0.31586	555	0
586	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.78396	594	0.31596	577	0
587	linear	Ln(Rate)	Education (mean years per capita), Ln(Lag distributed income per capita)	0.78442	597	0.31595	575	0
588	linear	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77637	556	0.31655	618	0
589	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.78701	599	0.31596	578	0

590	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Malnutrition (proportion of population >2SD under mean weight for age)	0.77953	573	0.31625	605	0
591	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age), Ln(Lag distributed income per capita)	0.78403	595	0.31602	583	0
592	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.79251	620	0.31587	558	0
593	linear	Ln(Rate)	Age-specific fertility rate, Ln(Total fertility rate)	0.80015	626	0.31584	552	0
594	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(Lag distributed income per capita)	0.78715	600	0.31597	580	0
595	linear	Ln(Rate)	Ln(Total fertility rate)	0.79713	623	0.31588	559	0
596	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77965	577	0.3163	606	0
597	linear	Ln(Rate)	Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77862	567	0.31652	617	0
598	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77957	575	0.31636	610	0
599	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7777	563	0.31659	622	0
600	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78004	580	0.31631	607	0
601	linear	Ln(Rate)	Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.7801	581	0.31631	608	0
602	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77994	579	0.31636	611	0
603	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78337	592	0.31623	603	0

604	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(Lag distributed income per capita)	0.79125	619	0.31597	579	0
605	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.77968	578	0.31658	621	0
606	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78141	586	0.31655	619	0
607	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78078	585	0.31657	620	0
608	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.78741	604	0.31616	602	0
609	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.78783	606	0.31615	601	0
610	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.78889	612	0.31611	597	0
611	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.78507	598	0.31638	612	0
612	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.79388	622	0.31604	589	0
613	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.79067	616	0.3161	596	0
614	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita)	0.78972	613	0.31614	600	0
615	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Education (mean years per capita)	0.78998	614	0.31612	599	0
616	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.78735	602	0.31643	615	0
617	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Education (mean years per capita), Proportion of pregnancies with 4 antenatal care visits, Health system access (capped)	0.78765	605	0.31645	616	0
618	linear	Ln(Rate)	Education (mean years per capita), Ln(HIV death rate, females 15-49)	0.80837	628	0.31612	598	0

619	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78728	601	0.31678	626	0
620	linear	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.79784	625	0.31624	604	0
621	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78812	608	0.31678	625	0
622	linear	Ln(Rate)	Age-specific fertility rate, Education (mean years per capita)	0.8075	627	0.31635	609	0
623	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78805	607	0.31681	629	0
624	linear	Ln(Rate)	Age-specific fertility rate, Ln(Lag distributed income per capita)	0.79776	624	0.31639	613	0
625	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.78887	611	0.3168	628	0
626	spacetime	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49)	0.79108	617	0.31666	624	0
627	spacetime	Ln(Rate)	Age-specific fertility rate	0.7936	621	0.3166	623	0
628	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with 4 antenatal care visits, Health system access (capped), Malnutrition (proportion of population >2SD under mean weight for age)	0.79115	618	0.31678	627	0
629	linear	Ln(Rate)	Education (mean years per capita)	0.81946	632	0.3164	614	0
630	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.81556	630	0.3169	631	0
631	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49), Malnutrition (proportion of population >2SD under mean weight for age)	0.81061	629	0.31693	632	0
632	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age)	0.8178	631	0.317	634	0
633	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Malnutrition (proportion of population >2SD under mean weight for age)	0.82104	633	0.31696	633	0

634	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.82199	634	0.31722	637	0
635	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.83092	636	0.31721	636	0
636	spacetime	Ln(Rate)	Ln(HIV death rate, females 15-49)	0.83524	639	0.31704	635	0
637	linear	Ln(Rate)	Ln(HIV death rate, females 15-49), Ln(Lag distributed income per capita)	0.84544	645	0.31688	630	0
638	linear	Ln(Rate)	Age-specific fertility rate, Proportion of deliveries with skilled birth attendants	0.82541	635	0.31735	643	0
639	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.83135	637	0.31735	642	0
640	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.84013	642	0.31722	638	0
641	linear	Ln(Rate)	Proportion of deliveries with skilled birth attendants	0.83948	641	0.31732	640	0
642	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49)	0.83326	638	0.31745	644	0
643	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants, Ln(HIV death rate, females 15-49)	0.84479	644	0.31722	639	0
644	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Proportion of deliveries with skilled birth attendants	0.84405	643	0.31733	641	0
645	linear	Ln(Rate)	Age-specific fertility rate, Proportion of pregnancies with in-facility delivery	0.83735	640	0.31758	646	0
646	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery, Ln(HIV death rate, females 15-49)	0.84883	646	0.31751	645	0
647	linear	Ln(Rate)	Proportion of pregnancies with in-facility delivery	0.851	647	0.31758	647	0
648	linear	Ln(Rate)	Age-specific fertility rate, Ln(HIV death rate, females 15-49)	0.88893	648	0.31824	648	0
649	linear	Ln(Rate)	Age-specific fertility rate	0.88985	649	0.31839	649	0
650	linear	Ln(Rate)	Ln(HIV death rate, females 15-49)	0.96679	650	0.31915	650	0

Appendix Table 6: Data sources used in DisMod

Appendix Table 6: Maternal mortality data sources used in the GBD 2013 DisMod	
Source	
Maternal Aetiologies	
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Appendix Table 7: Study level and country level covariates used to model aetiology and timing of maternal death in DisMod-MR 2.0

Appendix Table 7: Study level and country level covariates used in modeling aetiology and timing of maternal death in DisMod-MR 2.0		
DisMod model	Study covariates	Country covariates
Abortive outcome	Data source only specified direct causes Data source did not specify "late maternal"	Legality of abortion (0 - 7: 0 = always illegal, 7 = always legal)
Hypertensive disorders of pregnancy	Data source only specified direct causes Data source did not specify "late maternal"	None
Maternal haemorrhage	Data source only specified direct causes Data source did not specify "late maternal"	Logit(proportion of pregnancies with in-facility delivery)
Sepsis	Data source only specified direct causes Data source did not specify "late maternal"	Ln(Lag distributed income)
Obstructed labor	Data source only specified direct causes Data source did not specify "late maternal"	Proportion of pregnancies with in-facility delivery
Other direct causes	Data source only specified direct causes Data source did not specify "late maternal"	Ln(Lag distributed income)
Other indirect causes	Study specified HIV as a subtype of indirect Data source did not specify "late maternal"	None
HIV	N/A	N/A
Late maternal death	None	Logit(proportion of pregnancies with in-facility delivery) Ln(Lag distributed income)
Timing - Antepartum	None	Proportion of pregnancies with 4 antenatal care visits
Timing - Intrapartum	None	Logit(proportion of pregnancies with in-facility delivery) Ln(Lag distributed income)
Timing - Postpartum	None	Logit(proportion of pregnancies with in-facility delivery) Ln(Lag distributed income)
Timing - Late	None	Logit(proportion of pregnancies with in-facility delivery) Ln(Lag distributed income)

Appendix Table 8. Global and regional maternal deaths by cause and timing, 1990

	Cause of death								Timing of death				
	Abortion	Haemorrhage	Hypertension	Obstructed labor	Sepsis	Late	Other direct	Indirect	HIV	Antepartum	Intra-partum	Post-partum	Late
Worldwide	49 970 (45 739 – 54 636)	71 295 (64 562 – 78 329)	36 497 (33 190 – 39 736)	29 289 (26 302 – 32 676)	34 088 (30 460 – 37 965)	44 814 (36 414 – 53 106)	68 507 (58 381 – 80 287)	40 027 (35 425 – 44 294)	788 (458 – 1092)	84 399 (74 155 – 94 836)	101 872 (90 223 – 113 548)	144 950 (130 164 – 159 984)	44 814 (36 414 – 53 106)
Andean Latin America	288 (243 – 340)	473 (412 – 538)	297 (253 – 340)	149 (118 – 179)	284 (244 – 330)	352 (294 – 416)	250 (210 – 294)	151 (123 – 185)	0 (0 – 0)	307 (244 – 382)	549 (446 – 658)	1041 (891 – 1198)	352 (294 – 416)
Australasia	3 (2 – 3)	3 (2 – 4)	4 (3 – 5)	2 (2 – 3)	2 (2 – 3)	2 (1 – 2)	6 (5 – 7)	3 (3 – 4)	0 (0 – 0)	7 (6 – 10)	7 (6 – 9)	9 (7 – 11)	2 (1 – 2)
Caribbean	196 (141 – 267)	260 (171 – 363)	418 (306 – 536)	114 (73 – 173)	230 (163 – 307)	105 (69 – 146)	183 (121 – 257)	137 (87 – 194)	18 (10 – 26)	445 (277 – 698)	451 (238 – 681)	664 (460 – 877)	105 (69 – 146)
Central Asia	120 (108 – 133)	184 (168 – 202)	98 (88 – 110)	100 (85 – 115)	157 (135 – 184)	169 (144 – 196)	220 (189 – 249)	137 (117 – 159)	0 (0 – 0)	384 (328 – 436)	220 (178 – 265)	416 (364 – 471)	169 (144 – 196)
Central Europe	181 (155 – 209)	86 (76 – 99)	53 (46 – 63)	92 (75 – 112)	80 (70 – 90)	82 (62 – 104)	114 (93 – 138)	100 (75 – 125)	0 (0 – 0)	161 (128 – 204)	255 (215 – 296)	292 (253 – 335)	82 (62 – 104)
Central Latin America	527 (498 – 560)	698 (663 – 736)	665 (629 – 704)	281 (256 – 304)	376 (352 – 402)	215 (187 – 247)	759 (716 – 805)	353 (318 – 390)	2 (1 – 3)	719 (564 – 945)	1482 (1203 – 1753)	1468 (1216 – 1738)	215 (187 – 247)
Central sub-Saharan Africa	2037 (1525 – 2561)	1818 (1373 – 2285)	1286 (972 – 1673)	701 (548 – 889)	1491 (1124 – 1930)	1687 (1126 – 2288)	2207 (1666 – 2761)	875 (656 – 1111)	55 (30 – 80)	3986 (3038 – 5060)	1014 (729 – 1362)	5490 (4233 – 6933)	1687 (1126 – 2288)
East Asia	3454 (2740 – 4293)	7366 (5941 – 8914)	2711 (2158 – 3331)	3590 (2851 – 4386)	2101 (1599 – 2718)	2848 (2249 – 3534)	4839 (3865 – 5891)	4713 (3749 – 5828)	0 (0 – 0)	5768 (3356 – 8346)	17 228 (13 052 – 22 012)	5845 (3516 – 8435)	2848 (2249 – 3534)
Eastern Europe	387 (342 – 440)	158 (138 – 180)	111 (93 – 129)	183 (133 – 231)	98 (74 – 123)	143 (107 – 189)	325 (265 – 389)	158 (110 – 211)	0 (0 – 0)	691 (589 – 805)	151 (107 – 208)	581 (479 – 684)	143 (107 – 189)
Eastern sub-Saharan Africa	8243 (7153 – 9404)	6017 (5117 – 7078)	4338 (3693 – 4949)	2364 (2030 – 2725)	5424 (4668 – 6265)	3955 (3274 – 4786)	11 278 (9754 – 12 748)	3110 (2618 – 3667)	433 (259 – 590)	11 275 (9419 – 13 387)	8413 (6805 – 10308)	21 607 (18 491 – 24 795)	3955 (3274 – 4786)
High-income Asia Pacific	41 (35 – 47)	62 (53 – 70)	40 (34 – 46)	23 (19 – 27)	40 (33 – 49)	16 (11 – 20)	59 (49 – 69)	44 (37 – 52)	0 (0 – 0)	126 (103 – 148)	81 (62 – 103)	101 (82 – 125)	16 (11 – 20)
High-income North America	104 (89 – 121)	61 (52 – 70)	57 (49 – 67)	35 (22 – 51)	76 (65 – 89)	39 (31 – 52)	115 (101 – 133)	67 (58 – 78)	0 (0 – 0)	95 (72 – 124)	179 (143 – 218)	242 (202 – 291)	39 (31 – 52)
North Africa and Middle East	1720 (1459 – 2051)	2935 (2501 – 3413)	1884 (1584 – 2214)	1470 (1164 – 1775)	1388 (1147 – 1645)	804 (574 – 1003)	1764 (1440 – 2125)	1113 (900 – 1361)	1 (0 – 1)	3664 (2920 – 4578)	4055 (3323 – 4953)	4582 (3742 – 5728)	804 (574 – 1003)
Oceania	200 (117 – 334)	248 (144 – 417)	127 (71 – 218)	117 (70 – 192)	94 (54 – 162)	132 (69 – 227)	198 (109 – 325)	115 (64 – 194)	0 (0 – 0)	263 (145 – 448)	558 (321 – 934)	282 (153 – 480)	132 (69 – 227)
South Asia	18 472 (15 158 – 21 959)	34 974 (28 749 – 41 478)	16 265 (13 661 – 19 084)	14 130 (11 358 – 17 103)	15 247 (12 164 – 18 687)	23 722 (15 761 – 31 917)	30 835 (21 878 – 41 624)	20 259 (16 347 – 24 152)	162 (83 – 251)	40 253 (32 090 – 49 309)	38 333 (29 858 – 48 152)	72 108 (59 776 – 85 399)	23 722 (15 761 – 31 917)
Southeast Asia	5261 (3992 – 6903)	6602 (5179 – 8271)	3856 (2748 – 5157)	2657 (2034 – 3383)	2647 (1954 – 3577)	3874 (2995 – 4993)	6386 (4521 – 8530)	3975 (2976 – 5109)	2 (1 – 3)	7574 (5666 – 9981)	15 499 (12 539 – 19 184)	8392 (6488 – 11 274)	3874 (2995 – 4993)
Southern Latin America	154 (139 – 170)	72 (63 – 81)	74 (66 – 82)	39 (32 – 47)	121 (109 – 133)	35 (27 – 45)	68 (54 – 83)	39 (32 – 49)	0 (0 – 0)	268 (218 – 316)	130 (103 – 163)	170 (135 – 216)	35 (27 – 45)
Southern sub-Saharan Africa	408 (312 – 514)	333 (247 – 424)	370 (268 – 469)	127 (90 – 168)	405 (301 – 503)	285 (198 – 392)	259 (185 – 341)	236 (175 – 304)	29 (18 – 41)	493 (320 – 685)	509 (313 – 672)	1167 (863 – 1483)	285 (198 – 392)
Tropical Latin America	347 (310 – 391)	382 (340 – 428)	622 (549 – 700)	114 (91 – 139)	468 (416 – 527)	240 (183 – 303)	327 (292 – 368)	310 (273 – 355)	1 (1 – 2)	408 (276 – 542)	773 (516 – 1036)	1397 (1125 – 1700)	240 (183 – 303)
Western Europe	104 (95 – 115)	71 (64 – 79)	63 (57 – 71)	44 (39 – 50)	79 (70 – 88)	39 (32 – 46)	110 (98 – 124)	54 (48 – 60)	0 (0 – 0)	123 (103 – 143)	165 (143 – 191)	238 (213 – 264)	39 (32 – 46)
Western sub-Saharan Africa	7723 (6354 – 9125)	8491 (7115 – 10 149)	3160 (2545 – 4111)	2959 (2313 – 3706)	3278 (2641 – 4079)	6070 (4484 – 7628)	8202 (6831 – 9797)	4078 (3277 – 4965)	85 (47 – 125)	7388 (5786 – 9166)	11 819 (9618 – 14 495)	18 857 (16 101 – 22 156)	6070 (4484 – 7628)

Appendix Table 9. Number of maternal deaths by underlying cause in 1990 for 188 countries

	Cause of death								
	Abortion	Haemorrhage	Hypertension	Obstructed labor	Sepsis	Late	Other direct	Indirect	HIV
Afghanistan	441 (259 – 701)	685 (392 – 1064)	446 (253 – 713)	372 (202 – 624)	353 (189 – 566)	248 (123 – 440)	466 (251 – 797)	244 (123 – 421)	0 (0 – 0)
Albania	4 (3 – 6)	4 (3 – 6)	3 (2 – 4)	4 (2 – 6)	2 (1 – 4)	3 (2 – 5)	5 (4 – 7)	3 (2 – 5)	0 (0 – 0)
Algeria	110 (67 – 168)	208 (129 – 307)	160 (102 – 242)	141 (83 – 215)	76 (43 – 119)	57 (24 – 100)	136 (75 – 217)	60 (30 – 99)	0 (0 – 0)
Andorra	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Angola	498 (289 – 781)	444 (268 – 694)	317 (180 – 504)	174 (108 – 266)	370 (219 – 585)	424 (205 – 698)	519 (303 – 814)	219 (126 – 357)	5 (3 – 9)
Antigua and Barbuda	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Argentina	112 (99 – 127)	57 (50 – 66)	50 (44 – 57)	28 (22 – 36)	91 (81 – 102)	28 (20 – 38)	44 (30 – 58)	23 (17 – 32)	0 (0 – 0)
Armenia	4 (3 – 5)	5 (3 – 6)	4 (3 – 5)	3 (2 – 4)	4 (2 – 6)	4 (3 – 6)	5 (3 – 7)	4 (2 – 5)	0 (0 – 0)
Australia	2 (1 – 2)	2 (2 – 3)	3 (2 – 4)	2 (1 – 2)	2 (1 – 2)	1 (1 – 2)	4 (3 – 5)	2 (2 – 3)	0 (0 – 0)
Austria	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (0 – 1)	1 (1 – 2)	1 (0 – 1)	2 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Azerbaijan	8 (6 – 10)	15 (12 – 18)	8 (6 – 11)	7 (5 – 11)	11 (6 – 15)	12 (8 – 17)	13 (8 – 18)	10 (6 – 14)	0 (0 – 0)
Bahrain	1 (0 – 2)	2 (1 – 2)	1 (1 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 2)	1 (0 – 1)	0 (0 – 0)
Bangladesh	1908 (1106 – 2693)	5356 (3839 – 6863)	3532 (2598 – 4552)	1109 (773 – 1490)	871 (513 – 1291)	2473 (1759 – 3317)	3348 (1887 – 5139)	2028 (1289 – 2860)	0 (0 – 0)
Barbados	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Belarus	11 (9 – 13)	7 (5 – 9)	4 (3 – 6)	6 (4 – 9)	5 (3 – 6)	5 (3 – 7)	9 (7 – 12)	5 (3 – 8)	0 (0 – 0)
Belgium	3 (2 – 4)	2 (1 – 2)	2 (1 – 2)	1 (1 – 2)	2 (1 – 2)	1 (0 – 1)	3 (2 – 4)	1 (1 – 2)	0 (0 – 0)
Belize	0 (0 – 0)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Benin	227 (171 – 290)	258 (180 – 343)	97 (63 – 137)	68 (45 – 98)	97 (66 – 138)	166 (107 – 257)	226 (161 – 310)	115 (63 – 170)	1 (0 – 1)
Bhutan	13 (6 – 21)	17 (7 – 32)	13 (6 – 22)	6 (3 – 10)	6 (3 – 11)	11 (4 – 19)	24 (11 – 40)	14 (6 – 23)	0 (0 – 0)
Bolivia	174 (133 – 226)	161 (110 – 211)	128 (89 – 169)	77 (57 – 101)	120 (86 – 163)	149 (108 – 194)	104 (75 – 138)	63 (42 – 89)	0 (0 – 0)
Bosnia and Herzegovina	4 (3 – 6)	3 (2 – 4)	2 (1 – 4)	3 (2 – 4)	2 (1 – 4)	3 (1 – 5)	4 (3 – 5)	2 (1 – 3)	0 (0 – 0)
Botswana	16 (8 – 27)	13 (6 – 22)	13 (6 – 23)	5 (2 – 9)	15 (7 – 25)	11 (4 – 19)	10 (5 – 16)	10 (5 – 17)	2 (1 – 3)

Brazil	312 (277 – 353)	335 (295 – 379)	589 (517 – 664)	104 (81 – 129)	438 (386 – 496)	223 (165 – 283)	309 (272 – 349)	293 (254 – 337)	1 (1 – 2)
Brunei	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Bulgaria	10 (8 – 12)	5 (4 – 7)	4 (3 – 5)	5 (3 – 7)	5 (4 – 6)	4 (3 – 6)	6 (4 – 7)	3 (2 – 5)	0 (0 – 0)
Burkina Faso	240 (164 – 335)	357 (247 – 489)	95 (53 – 146)	56 (25 – 94)	107 (64 – 178)	138 (69 – 231)	193 (120 – 291)	123 (73 – 192)	13 (7 – 20)
Burundi	384 (251 – 533)	289 (194 – 411)	200 (132 – 275)	109 (71 – 151)	251 (166 – 360)	187 (106 – 287)	540 (376 – 732)	145 (84 – 232)	11 (6 – 18)
Cambodia	221 (140 – 314)	239 (166 – 321)	120 (52 – 202)	98 (61 – 140)	129 (86 – 180)	138 (86 – 201)	218 (108 – 325)	124 (77 – 175)	0 (0 – 1)
Cameroon	424 (295 – 572)	493 (360 – 644)	189 (113 – 275)	136 (85 – 192)	180 (103 – 266)	347 (211 – 556)	445 (319 – 582)	229 (150 – 334)	3 (2 – 5)
Canada	5 (3 – 6)	3 (2 – 4)	3 (2 – 4)	2 (1 – 3)	3 (2 – 4)	4 (3 – 6)	5 (4 – 6)	3 (3 – 4)	0 (0 – 0)
Cape Verde	3 (2 – 4)	3 (2 – 4)	1 (1 – 2)	1 (0 – 1)	1 (1 – 2)	2 (1 – 3)	3 (2 – 4)	1 (1 – 2)	0 (0 – 0)
Central African Republic	157 (105 – 217)	144 (92 – 215)	102 (66 – 146)	56 (37 – 78)	111 (72 – 157)	138 (90 – 198)	171 (109 – 251)	70 (46 – 97)	22 (12 – 33)
Chad	253 (185 – 336)	294 (209 – 381)	106 (62 – 162)	73 (48 – 104)	108 (64 – 156)	194 (100 – 277)	260 (192 – 347)	129 (89 – 178)	5 (3 – 8)
Chile	37 (32 – 43)	12 (9 – 14)	21 (18 – 25)	9 (7 – 12)	26 (22 – 30)	6 (4 – 9)	21 (16 – 27)	14 (11 – 17)	0 (0 – 0)
China	3377 (2655 – 4204)	7235 (5823 – 8736)	2656 (2105 – 3271)	3516 (2770 – 4302)	2053 (1545 – 2676)	2787 (2184 – 3462)	4732 (3771 – 5756)	4620 (3668 – 5748)	0 (0 – 0)
Colombia	146 (129 – 167)	96 (85 – 110)	153 (132 – 177)	26 (22 – 32)	31 (26 – 36)	33 (15 – 52)	119 (104 – 137)	27 (22 – 33)	0 (0 – 0)
Comoros	15 (8 – 25)	11 (6 – 18)	8 (4 – 13)	4 (2 – 7)	10 (6 – 17)	7 (4 – 13)	21 (12 – 34)	6 (3 – 10)	0 (0 – 0)
Congo	64 (42 – 92)	55 (34 – 82)	38 (22 – 58)	22 (14 – 32)	45 (29 – 67)	56 (33 – 84)	66 (43 – 99)	27 (17 – 41)	4 (2 – 7)
Costa Rica	3 (3 – 4)	3 (2 – 4)	3 (2 – 4)	3 (2 – 3)	3 (2 – 4)	1 (1 – 2)	5 (4 – 6)	4 (3 – 5)	0 (0 – 0)
Croatia	2 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Cuba	21 (17 – 26)	10 (7 – 16)	11 (8 – 14)	11 (7 – 17)	14 (11 – 19)	9 (6 – 12)	21 (15 – 28)	25 (20 – 31)	0 (0 – 0)
Cyprus	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Czech Republic	4 (3 – 6)	2 (2 – 3)	3 (2 – 4)	3 (2 – 4)	1 (1 – 2)	2 (1 – 3)	4 (3 – 5)	1 (1 – 2)	0 (0 – 0)
Côte d'Ivoire	432 (274 – 595)	507 (340 – 683)	193 (119 – 287)	133 (78 – 208)	200 (123 – 284)	349 (209 – 511)	465 (315 – 642)	242 (134 – 353)	12 (6 – 18)
Democratic Republic of the Congo	1279 (869 – 1757)	1140 (788 – 1569)	804 (543 – 1124)	435 (300 – 598)	936 (632 – 1316)	1033 (616 – 1536)	1410 (967 – 1942)	541 (370 – 744)	23 (12 – 34)
Denmark	1 (1 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 0)	1 (1 – 1)	1 (0 – 1)	0 (0 – 0)

Djibouti	23 (13 – 35)	17 (9 – 27)	13 (7 – 20)	7 (4 – 10)	15 (8 – 24)	10 (5 – 19)	30 (18 – 48)	9 (5 – 14)	0 (0 – 0)
Dominica	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Dominican Republic	20 (15 – 25)	26 (21 – 33)	40 (32 – 48)	12 (8 – 18)	16 (12 – 20)	12 (8 – 16)	19 (14 – 25)	18 (14 – 23)	0 (0 – 0)
Ecuador	31 (26 – 37)	92 (80 – 105)	92 (80 – 106)	25 (18 – 34)	38 (32 – 45)	74 (55 – 96)	50 (37 – 63)	27 (20 – 35)	0 (0 – 0)
Egypt	131 (101 – 171)	537 (433 – 675)	154 (122 – 194)	123 (75 – 188)	168 (136 – 209)	68 (34 – 107)	122 (64 – 188)	78 (57 – 103)	0 (0 – 0)
El Salvador	25 (19 – 31)	32 (24 – 40)	23 (15 – 32)	13 (8 – 19)	27 (20 – 34)	10 (6 – 14)	33 (25 – 42)	19 (11 – 28)	0 (0 – 0)
Equatorial Guinea	18 (11 – 30)	17 (10 – 27)	12 (7 – 19)	6 (4 – 11)	13 (7 – 21)	15 (8 – 24)	19 (11 – 34)	8 (4 – 13)	0 (0 – 0)
Eritrea	169 (120 – 227)	128 (87 – 175)	95 (61 – 136)	52 (36 – 71)	116 (77 – 156)	89 (58 – 128)	233 (175 – 305)	62 (38 – 96)	3 (2 – 5)
Estonia	2 (1 – 2)	1 (1 – 1)	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	1 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Ethiopia	2971 (2216 – 3766)	2236 (1560 – 3045)	1633 (1192 – 2093)	872 (639 – 1132)	2066 (1528 – 2719)	1504 (877 – 2218)	4208 (3171 – 5258)	1158 (729 – 1635)	64 (33 – 95)
Federated States of Micronesia	1 (0 – 2)	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	1 (0 – 2)	1 (0 – 1)	0 (0 – 0)
Fiji	4 (2 – 6)	5 (3 – 8)	2 (1 – 4)	2 (1 – 4)	2 (1 – 3)	3 (1 – 5)	4 (2 – 6)	2 (1 – 3)	0 (0 – 0)
Finland	1 (1 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 0)	1 (1 – 1)	0 (0 – 1)	0 (0 – 0)
France	19 (15 – 23)	15 (13 – 19)	11 (9 – 14)	7 (5 – 9)	8 (6 – 11)	12 (7 – 17)	26 (21 – 31)	18 (14 – 22)	0 (0 – 0)
Gabon	21 (14 – 29)	18 (12 – 25)	13 (9 – 18)	7 (5 – 10)	15 (10 – 22)	21 (8 – 36)	21 (13 – 31)	9 (6 – 13)	0 (0 – 0)
Georgia	5 (4 – 6)	5 (4 – 7)	5 (4 – 6)	3 (2 – 4)	4 (2 – 6)	5 (3 – 6)	6 (4 – 8)	6 (4 – 8)	0 (0 – 0)
Germany	20 (16 – 24)	18 (15 – 22)	12 (10 – 16)	14 (11 – 17)	36 (31 – 43)	9 (5 – 14)	29 (22 – 37)	7 (5 – 10)	0 (0 – 0)
Ghana	353 (223 – 521)	393 (248 – 575)	170 (91 – 262)	140 (81 – 214)	166 (98 – 251)	253 (139 – 402)	452 (283 – 686)	208 (118 – 334)	3 (2 – 6)
Greece	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	2 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Grenada	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Guatemala	38 (32 – 45)	81 (69 – 94)	24 (20 – 29)	30 (19 – 44)	46 (38 – 55)	25 (14 – 37)	106 (86 – 128)	58 (37 – 81)	0 (0 – 0)
Guinea	348 (256 – 450)	390 (281 – 526)	144 (85 – 210)	108 (69 – 153)	160 (105 – 224)	282 (144 – 389)	347 (240 – 458)	181 (121 – 255)	1 (0 – 1)
Guinea-Bissau	52 (29 – 82)	64 (34 – 103)	24 (13 – 39)	17 (8 – 29)	24 (13 – 39)	69 (38 – 109)	56 (31 – 89)	27 (14 – 44)	0 (0 – 0)
Guyana	4 (3 – 5)	3 (2 – 5)	4 (2 – 5)	2 (2 – 3)	2 (1 – 3)	1 (1 – 2)	3 (2 – 3)	2 (1 – 2)	0 (0 – 0)

Haiti	141 (83 – 208)	207 (115 – 310)	351 (238 – 468)	83 (44 – 142)	190 (125 – 268)	79 (44 – 120)	133 (72 – 204)	87 (37 – 145)	18 (10 – 26)
Honduras	30 (17 – 43)	57 (33 – 80)	30 (15 – 48)	29 (15 – 42)	28 (14 – 43)	16 (8 – 25)	59 (34 – 83)	43 (21 – 64)	1 (1 – 2)
Hungary	4 (3 – 6)	3 (2 – 4)	3 (2 – 4)	2 (1 – 3)	2 (1 – 3)	2 (1 – 4)	4 (3 – 5)	2 (2 – 3)	0 (0 – 0)
Iceland	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
India	13 454 (10 347 – 16 709)	25 517 (19 707 – 31 967)	9509 (7283 – 11 969)	11 332 (8661 – 14 396)	12 732 (9664 – 16 048)	18 738 (11 198 – 27 374)	21 860 (13 191 – 32 025)	15 133 (11 661 – 18 877)	162 (83 – 250)
Indonesia	2145 (1460 – 3014)	3064 (2180 – 4135)	2037 (1358 – 2882)	1288 (885 – 1716)	917 (470 – 1359)	1832 (1161 – 2525)	3104 (1738 – 4610)	2094 (1271 – 3135)	0 (0 – 0)
Iran	103 (61 – 158)	136 (76 – 208)	60 (32 – 97)	62 (28 – 103)	52 (24 – 86)	41 (22 – 68)	67 (31 – 121)	129 (75 – 199)	0 (0 – 0)
Iraq	79 (44 – 125)	173 (104 – 264)	65 (32 – 105)	89 (47 – 142)	126 (76 – 189)	49 (23 – 86)	108 (55 – 178)	46 (16 – 84)	0 (0 – 0)
Ireland	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	1 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Israel	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	2 (1 – 3)	1 (1 – 2)	0 (0 – 0)
Italy	13 (10 – 15)	9 (7 – 11)	7 (5 – 9)	4 (3 – 5)	4 (2 – 6)	3 (2 – 5)	9 (8 – 12)	5 (4 – 6)	0 (0 – 0)
Jamaica	3 (2 – 5)	6 (4 – 9)	5 (3 – 7)	2 (1 – 3)	3 (2 – 5)	1 (1 – 2)	3 (2 – 4)	3 (1 – 4)	0 (0 – 0)
Japan	28 (23 – 34)	35 (29 – 42)	17 (14 – 20)	13 (10 – 16)	10 (7 – 14)	9 (6 – 12)	26 (21 – 31)	34 (28 – 40)	0 (0 – 0)
Jordan	14 (10 – 20)	16 (9 – 24)	17 (11 – 23)	15 (10 – 22)	12 (8 – 17)	6 (3 – 10)	22 (16 – 31)	9 (5 – 15)	0 (0 – 0)
Kazakhstan	41 (34 – 51)	33 (27 – 41)	19 (15 – 24)	21 (14 – 30)	22 (12 – 33)	32 (21 – 44)	41 (27 – 54)	36 (26 – 48)	0 (0 – 0)
Kenya	544 (393 – 719)	412 (288 – 539)	305 (204 – 410)	160 (113 – 219)	374 (266 – 494)	259 (157 – 383)	755 (548 – 974)	208 (139 – 292)	24 (13 – 36)
Kiribati	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 0)
Kuwait	1 (1 – 1)	1 (1 – 2)	1 (1 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Kyrgyzstan	9 (8 – 12)	13 (10 – 16)	8 (6 – 11)	7 (4 – 10)	11 (7 – 15)	10 (6 – 13)	10 (6 – 14)	15 (11 – 19)	0 (0 – 0)
Laos	162 (81 – 269)	170 (86 – 277)	90 (30 – 176)	69 (34 – 113)	82 (40 – 133)	100 (46 – 163)	177 (79 – 296)	90 (37 – 154)	0 (0 – 0)
Latvia	3 (2 – 4)	2 (1 – 3)	2 (1 – 2)	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	3 (2 – 4)	2 (1 – 2)	0 (0 – 0)
Lebanon	8 (5 – 12)	14 (9 – 20)	9 (5 – 14)	8 (5 – 12)	7 (4 – 10)	4 (2 – 7)	10 (6 – 15)	6 (3 – 10)	0 (0 – 0)
Lesotho	19 (12 – 28)	14 (8 – 20)	14 (9 – 20)	6 (3 – 8)	20 (13 – 29)	13 (7 – 21)	10 (6 – 15)	11 (7 – 17)	0 (0 – 0)
Liberia	110 (76 – 150)	128 (86 – 173)	44 (26 – 65)	34 (21 – 49)	47 (30 – 68)	87 (47 – 131)	116 (82 – 149)	56 (37 – 82)	0 (0 – 1)

Libya	6 (4 – 11)	10 (5 – 16)	6 (3 – 10)	5 (3 – 9)	5 (2 – 8)	3 (1 – 6)	7 (4 – 12)	4 (2 – 7)	0 (0 – 0)
Lithuania	3 (2 – 4)	2 (1 – 3)	2 (1 – 3)	2 (1 – 2)	1 (1 – 2)	1 (1 – 2)	3 (2 – 4)	2 (1 – 2)	0 (0 – 0)
Luxembourg	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Macedonia	2 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	1 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Madagascar	318 (217 – 431)	227 (150 – 308)	172 (123 – 239)	93 (64 – 124)	214 (152 – 287)	143 (88 – 206)	431 (322 – 531)	120 (69 – 166)	2 (1 – 2)
Malawi	484 (352 – 645)	339 (217 – 474)	245 (172 – 329)	136 (91 – 182)	305 (209 – 421)	204 (111 – 302)	653 (472 – 851)	177 (97 – 262)	80 (48 – 115)
Malaysia	72 (48 – 102)	76 (47 – 107)	45 (21 – 75)	34 (21 – 51)	67 (47 – 95)	53 (31 – 85)	116 (67 – 170)	58 (39 – 83)	0 (0 – 0)
Maldives	4 (3 – 5)	4 (3 – 6)	2 (1 – 4)	2 (1 – 2)	2 (1 – 3)	3 (2 – 4)	4 (3 – 6)	2 (1 – 3)	0 (0 – 0)
Mali	405 (302 – 513)	469 (339 – 615)	181 (102 – 261)	132 (89 – 186)	179 (115 – 255)	310 (196 – 440)	418 (294 – 543)	224 (159 – 301)	3 (2 – 5)
Malta	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Marshall Islands	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Mauritania	100 (74 – 130)	115 (84 – 154)	43 (27 – 60)	32 (21 – 44)	47 (30 – 67)	79 (52 – 112)	108 (79 – 142)	55 (34 – 81)	0 (0 – 0)
Mauritius	3 (2 – 4)	2 (1 – 2)	2 (1 – 2)	1 (1 – 1)	2 (1 – 2)	1 (1 – 2)	3 (2 – 4)	2 (1 – 2)	0 (0 – 0)
Mexico	192 (181 – 203)	343 (326 – 362)	329 (312 – 350)	138 (128 – 148)	155 (145 – 166)	97 (86 – 110)	357 (338 – 377)	159 (149 – 173)	0 (0 – 0)
Moldova	9 (8 – 12)	6 (5 – 7)	5 (3 – 7)	5 (3 – 7)	8 (6 – 10)	4 (3 – 6)	7 (5 – 9)	6 (4 – 8)	0 (0 – 0)
Mongolia	15 (10 – 21)	17 (12 – 23)	10 (6 – 15)	8 (5 – 12)	16 (11 – 23)	13 (9 – 18)	16 (10 – 23)	12 (7 – 18)	0 (0 – 0)
Montenegro	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Morocco	302 (210 – 428)	372 (249 – 512)	375 (278 – 492)	245 (152 – 353)	135 (68 – 197)	111 (47 – 184)	271 (167 – 386)	154 (62 – 274)	0 (0 – 0)
Mozambique	351 (241 – 497)	273 (171 – 397)	226 (153 – 313)	107 (68 – 154)	335 (230 – 459)	183 (101 – 292)	494 (335 – 669)	212 (134 – 306)	3 (2 – 6)
Myanmar	1690 (851 – 2990)	1685 (916 – 2835)	935 (392 – 1779)	716 (368 – 1251)	820 (366 – 1521)	1049 (435 – 1927)	1673 (642 – 3188)	875 (415 – 1525)	1 (0 – 2)
Namibia	16 (9 – 23)	12 (6 – 18)	12 (7 – 17)	5 (3 – 7)	15 (9 – 22)	10 (5 – 16)	9 (5 – 13)	10 (6 – 14)	0 (0 – 0)
Nepal	387 (251 – 558)	486 (282 – 762)	391 (244 – 549)	185 (120 – 256)	194 (118 – 282)	324 (191 – 479)	640 (383 – 970)	400 (267 – 571)	0 (0 – 0)
Netherlands	3 (2 – 4)	2 (1 – 3)	5 (4 – 7)	2 (1 – 2)	3 (2 – 4)	1 (1 – 2)	5 (3 – 6)	2 (2 – 3)	0 (0 – 0)
New Zealand	1 (0 – 1)	1 (1 – 1)	1 (1 – 2)	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	2 (1 – 2)	1 (1 – 1)	0 (0 – 0)

Nicaragua	23 (18 – 28)	29 (24 – 35)	23 (18 – 28)	12 (8 – 17)	21 (16 – 26)	8 (5 – 13)	20 (13 – 27)	11 (8 – 16)	0 (0 – 0)
Niger	391 (288 – 510)	445 (316 – 592)	167 (97 – 250)	120 (67 – 182)	166 (94 – 241)	306 (178 – 482)	414 (303 – 545)	203 (118 – 294)	1 (0 – 1)
Nigeria	3748 (2426 – 5120)	3799 (2417 – 5249)	1428 (861 – 2320)	1710 (1095 – 2416)	1516 (948 – 2258)	2989 (1704 – 4498)	4018 (2713 – 5602)	1944 (1188 – 2831)	39 (19 – 62)
North Korea	61 (27 – 111)	119 (48 – 220)	46 (19 – 86)	64 (29 – 115)	38 (17 – 71)	51 (23 – 98)	86 (37 – 159)	80 (40 – 152)	0 (0 – 0)
Norway	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Oman	3 (2 – 6)	7 (4 – 13)	3 (2 – 6)	3 (2 – 6)	4 (2 – 6)	2 (1 – 4)	5 (2 – 8)	3 (1 – 5)	0 (0 – 0)
Pakistan	2270 (1529 – 3115)	2912 (1822 – 4166)	2375 (1569 – 3322)	1126 (790 – 1505)	1091 (556 – 1599)	1929 (1196 – 2808)	4497 (3046 – 6175)	2440 (1546 – 3376)	0 (0 – 0)
Palestine	3 (2 – 5)	5 (2 – 8)	3 (1 – 5)	2 (1 – 4)	2 (1 – 4)	1 (1 – 3)	3 (2 – 6)	2 (1 – 4)	0 (0 – 0)
Panama	6 (5 – 8)	6 (5 – 9)	6 (4 – 8)	3 (2 – 5)	5 (4 – 7)	2 (1 – 3)	7 (5 – 9)	5 (3 – 7)	0 (0 – 0)
Papua New Guinea	185 (104 – 316)	231 (131 – 394)	118 (65 – 207)	109 (64 – 182)	88 (49 – 152)	122 (61 – 216)	185 (98 – 306)	107 (58 – 184)	0 (0 – 0)
Paraguay	35 (28 – 42)	48 (41 – 55)	33 (27 – 39)	10 (8 – 13)	30 (25 – 36)	17 (11 – 23)	18 (14 – 24)	17 (13 – 22)	0 (0 – 0)
Peru	83 (69 – 99)	221 (190 – 258)	78 (65 – 93)	47 (32 – 62)	126 (107 – 148)	129 (95 – 169)	96 (73 – 123)	61 (46 – 81)	0 (0 – 0)
Philippines	210 (178 – 249)	746 (648 – 855)	311 (268 – 355)	133 (80 – 192)	187 (146 – 227)	274 (189 – 365)	335 (286 – 386)	174 (100 – 258)	0 (0 – 0)
Poland	29 (24 – 34)	31 (26 – 38)	13 (10 – 17)	17 (12 – 24)	30 (25 – 36)	20 (10 – 29)	29 (22 – 37)	8 (5 – 14)	0 (0 – 0)
Portugal	6 (5 – 8)	3 (2 – 4)	3 (2 – 4)	2 (1 – 2)	3 (2 – 5)	1 (1 – 2)	3 (2 – 4)	2 (1 – 3)	0 (0 – 0)
Qatar	1 (0 – 1)	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Romania	113 (90 – 139)	30 (22 – 39)	19 (13 – 28)	51 (35 – 70)	32 (25 – 39)	40 (24 – 61)	54 (35 – 75)	74 (50 – 97)	0 (0 – 0)
Russia	292 (248 – 345)	101 (83 – 121)	78 (61 – 95)	130 (80 – 179)	54 (32 – 78)	101 (65 – 145)	244 (190 – 302)	96 (50 – 143)	0 (0 – 0)
Rwanda	363 (252 – 479)	277 (182 – 383)	192 (130 – 264)	105 (74 – 140)	241 (171 – 316)	175 (115 – 250)	494 (370 – 640)	135 (84 – 195)	35 (20 – 51)
Saint Lucia	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Saint Vincent and the Grenadines	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Samoa	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Saudi Arabia	13 (7 – 22)	15 (8 – 27)	9 (4 – 16)	8 (4 – 15)	6 (3 – 11)	6 (2 – 12)	22 (12 – 37)	9 (4 – 15)	0 (0 – 0)
Senegal	296 (223 – 381)	360 (251 – 467)	136 (93 – 185)	91 (57 – 125)	137 (95 – 191)	230 (143 – 331)	315 (226 – 414)	157 (100 – 216)	1 (0 – 1)

Serbia	4 (3 – 6)	3 (2 – 5)	2 (1 – 4)	3 (1 – 5)	2 (1 – 3)	3 (1 – 4)	3 (2 – 5)	2 (1 – 4)	0 (0 – 0)
Seychelles	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Sierra Leone	162 (110 – 221)	199 (132 – 268)	68 (38 – 109)	50 (30 – 77)	66 (34 – 104)	132 (78 – 198)	175 (119 – 248)	88 (49 – 134)	0 (0 – 0)
Singapore	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 0)	1 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Slovakia	3 (2 – 3)	2 (1 – 2)	1 (1 – 2)	2 (1 – 2)	1 (1 – 2)	1 (1 – 2)	2 (1 – 3)	1 (0 – 1)	0 (0 – 0)
Slovenia	1 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Solomon Islands	5 (2 – 10)	6 (3 – 11)	3 (1 – 6)	3 (1 – 6)	3 (1 – 4)	4 (2 – 7)	5 (2 – 9)	3 (1 – 5)	0 (0 – 0)
Somalia	299 (162 – 491)	206 (105 – 345)	151 (79 – 255)	84 (46 – 139)	183 (94 – 303)	141 (66 – 247)	398 (209 – 662)	109 (57 – 191)	0 (0 – 1)
South Africa	199 (134 – 281)	192 (129 – 264)	254 (168 – 341)	66 (40 – 97)	215 (137 – 294)	160 (96 – 249)	173 (110 – 242)	141 (92 – 196)	2 (1 – 2)
South Korea	12 (9 – 15)	25 (20 – 31)	22 (18 – 27)	9 (7 – 12)	29 (24 – 36)	6 (4 – 9)	32 (24 – 40)	9 (5 – 14)	0 (0 – 0)
South Sudan	393 (213 – 611)	270 (136 – 450)	201 (103 – 324)	112 (60 – 176)	270 (141 – 430)	185 (89 – 335)	547 (295 – 851)	153 (78 – 257)	2 (1 – 3)
Spain	13 (11 – 16)	5 (4 – 7)	4 (3 – 6)	4 (3 – 5)	6 (5 – 8)	3 (2 – 4)	7 (6 – 9)	4 (3 – 5)	0 (0 – 0)
Sri Lanka	47 (38 – 59)	48 (36 – 61)	25 (17 – 35)	17 (12 – 24)	24 (16 – 33)	30 (18 – 44)	54 (40 – 69)	13 (7 – 20)	0 (0 – 0)
Sudan	484 (314 – 699)	760 (488 – 1032)	497 (274 – 711)	372 (196 – 590)	402 (243 – 597)	243 (82 – 401)	502 (286 – 727)	292 (127 – 473)	0 (0 – 1)
Suriname	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	1 (0 – 1)	1 (1 – 1)	0 (0 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 0)
Swaziland	7 (5 – 10)	6 (4 – 9)	5 (3 – 7)	2 (1 – 3)	7 (4 – 11)	5 (3 – 7)	4 (3 – 6)	4 (3 – 6)	0 (0 – 0)
Sweden	2 (1 – 2)	1 (1 – 1)	1 (1 – 1)	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	2 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Switzerland	1 (1 – 1)	1 (0 – 1)	1 (1 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 0)	1 (1 – 1)	1 (0 – 1)	0 (0 – 0)
Syria	64 (39 – 97)	109 (68 – 159)	74 (42 – 110)	55 (27 – 87)	52 (28 – 75)	33 (13 – 58)	77 (49 – 115)	49 (25 – 78)	0 (0 – 0)
São Tomé and Príncipe	2 (1 – 3)	3 (2 – 4)	1 (1 – 2)	1 (0 – 1)	1 (1 – 2)	2 (1 – 3)	2 (1 – 3)	1 (1 – 2)	0 (0 – 0)
Taiwan (Province of China)	16 (9 – 24)	13 (6 – 21)	9 (4 – 13)	10 (5 – 18)	10 (6 – 16)	10 (4 – 18)	20 (13 – 33)	13 (7 – 22)	0 (0 – 0)
Tajikistan	9 (6 – 12)	21 (17 – 26)	16 (12 – 20)	15 (9 – 21)	21 (13 – 29)	25 (16 – 34)	26 (17 – 35)	21 (14 – 30)	0 (0 – 0)
Tanzania	1198 (901 – 1541)	814 (570 – 1084)	505 (346 – 672)	312 (227 – 409)	560 (390 – 790)	517 (294 – 767)	1499 (1100 – 1974)	324 (185 – 494)	72 (41 – 105)
Thailand	120 (97 – 148)	88 (70 – 108)	38 (28 – 50)	56 (44 – 69)	44 (32 – 57)	53 (31 – 78)	31 (20 – 49)	26 (15 – 39)	1 (0 – 1)

The Bahamas	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
The Gambia	36 (18 – 58)	43 (20 – 71)	16 (7 – 28)	11 (5 – 20)	15 (7 – 27)	26 (11 – 46)	37 (18 – 62)	20 (9 – 35)	0 (0 – 0)
Timor-Leste	36 (23 – 52)	38 (25 – 52)	21 (10 – 37)	15 (10 – 21)	22 (14 – 30)	23 (15 – 33)	40 (24 – 60)	20 (12 – 32)	0 (0 – 0)
Togo	139 (96 – 184)	171 (120 – 232)	55 (35 – 82)	45 (21 – 64)	61 (33 – 92)	110 (71 – 158)	151 (111 – 201)	72 (47 – 103)	1 (1 – 2)
Tonga	1 (1 – 2)	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	1 (1 – 1)	0 (0 – 1)	0 (0 – 0)
Trinidad and Tobago	3 (3 – 4)	3 (2 – 4)	3 (2 – 4)	1 (1 – 2)	2 (1 – 2)	1 (1 – 1)	2 (1 – 3)	1 (1 – 2)	0 (0 – 0)
Tunisia	17 (10 – 26)	27 (16 – 39)	17 (10 – 27)	15 (8 – 23)	12 (7 – 18)	8 (4 – 14)	17 (9 – 29)	10 (3 – 18)	0 (0 – 0)
Turkey	105 (71 – 145)	78 (51 – 114)	135 (95 – 185)	66 (39 – 97)	101 (66 – 148)	38 (17 – 66)	74 (40 – 120)	66 (31 – 110)	0 (0 – 0)
Turkmenistan	8 (6 – 10)	14 (11 – 17)	8 (6 – 11)	8 (5 – 11)	12 (8 – 17)	13 (7 – 18)	16 (12 – 21)	11 (7 – 16)	0 (0 – 0)
Uganda	496 (334 – 693)	354 (226 – 501)	266 (170 – 395)	146 (98 – 206)	329 (219 – 464)	248 (139 – 403)	676 (483 – 905)	198 (109 – 307)	79 (45 – 119)
Ukraine	67 (54 – 82)	39 (32 – 48)	19 (15 – 25)	38 (25 – 52)	28 (19 – 38)	29 (19 – 41)	59 (39 – 77)	46 (31 – 64)	0 (0 – 0)
United Arab Emirates	3 (1 – 7)	5 (2 – 10)	3 (2 – 7)	3 (1 – 6)	2 (1 – 4)	2 (1 – 4)	3 (2 – 7)	2 (1 – 4)	0 (0 – 0)
United Kingdom	16 (14 – 17)	9 (8 – 10)	10 (9 – 12)	6 (5 – 7)	9 (8 – 11)	5 (4 – 6)	16 (15 – 18)	8 (7 – 10)	0 (0 – 0)
United States	100 (86 – 116)	58 (49 – 67)	54 (46 – 64)	33 (20 – 50)	73 (62 – 87)	35 (26 – 48)	110 (95 – 128)	64 (55 – 74)	0 (0 – 0)
Uruguay	5 (4 – 7)	2 (2 – 3)	3 (2 – 4)	1 (1 – 2)	4 (3 – 5)	1 (1 – 2)	3 (2 – 4)	3 (2 – 4)	0 (0 – 0)
Uzbekistan	20 (16 – 25)	61 (51 – 73)	19 (15 – 26)	28 (19 – 38)	56 (38 – 76)	57 (39 – 76)	87 (68 – 106)	23 (13 – 36)	0 (0 – 0)
Vanuatu	2 (1 – 3)	2 (1 – 4)	1 (0 – 2)	1 (0 – 2)	1 (0 – 1)	1 (0 – 2)	2 (1 – 3)	1 (0 – 2)	0 (0 – 0)
Venezuela	64 (55 – 74)	50 (42 – 57)	72 (62 – 83)	26 (16 – 38)	61 (52 – 71)	23 (13 – 33)	54 (37 – 72)	27 (22 – 32)	0 (0 – 0)
Vietnam	554 (299 – 870)	446 (262 – 685)	233 (95 – 429)	229 (142 – 354)	353 (220 – 525)	320 (180 – 487)	634 (320 – 976)	500 (317 – 748)	0 (0 – 0)
Yemen	272 (137 – 442)	460 (223 – 766)	293 (133 – 464)	254 (112 – 420)	226 (106 – 370)	131 (57 – 259)	315 (153 – 510)	195 (89 – 336)	0 (0 – 0)
Zambia	232 (153 – 324)	164 (107 – 235)	123 (76 – 180)	66 (42 – 96)	154 (94 – 223)	98 (58 – 152)	296 (194 – 408)	91 (54 – 138)	57 (34 – 82)
Zimbabwe	150 (109 – 198)	96 (68 – 131)	72 (44 – 100)	43 (30 – 61)	133 (93 – 177)	86 (47 – 132)	53 (34 – 78)	59 (42 – 82)	25 (15 – 36)

Appendix Table 10. Maternal deaths by cause for 188 countries, 2013

	Cause of death								
	Abortion	Haemorrhage	Hypertension	Obstructed Labor	Sepsis	Late	Other direct	Indirect	HIV
Afghanistan	1185 (627 – 2091)	1630 (858 – 2848)	1190 (630 – 2000)	792 (396 – 1406)	829 (436 – 1455)	1042 (499 – 1877)	1292 (669 – 2268)	818 (364 – 1524)	0 (0 – 0)
Albania	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Algeria	54 (29 – 90)	98 (61 – 145)	85 (58 – 119)	65 (40 – 94)	35 (21 – 53)	40 (21 – 63)	61 (36 – 98)	32 (13 – 59)	0 (0 – 0)
Andorra	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Angola	533 (318 – 853)	434 (253 – 679)	323 (174 – 523)	176 (102 – 277)	263 (139 – 437)	445 (219 – 758)	576 (324 – 965)	246 (141 – 398)	31 (16 – 54)
Antigua and Barbuda	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Argentina	82 (66 – 101)	39 (31 – 49)	37 (28 – 48)	24 (16 – 32)	64 (51 – 79)	26 (19 – 33)	42 (33 – 52)	72 (58 – 89)	0 (0 – 1)
Armenia	1 (1 – 1)	1 (1 – 2)	1 (1 – 1)	1 (0 – 1)	1 (0 – 1)	1 (1 – 2)	1 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Australia	2 (1 – 2)	2 (1 – 2)	2 (2 – 3)	2 (1 – 2)	2 (1 – 2)	1 (1 – 2)	3 (2 – 5)	2 (1 – 3)	0 (0 – 0)
Austria	1 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	1 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Azerbaijan	4 (2 – 6)	7 (5 – 10)	4 (2 – 6)	4 (2 – 6)	5 (3 – 7)	6 (3 – 9)	7 (4 – 10)	5 (2 – 8)	0 (0 – 0)
Bahrain	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Bangladesh	669 (383 – 1029)	1690 (1092 – 2459)	1120 (756 – 1560)	338 (216 – 502)	259 (141 – 400)	1867 (1213 – 2671)	1118 (586 – 1750)	662 (371 – 990)	0 (0 – 0)
Barbados	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Belarus	2 (2 – 3)	1 (1 – 2)	1 (0 – 2)	1 (1 – 2)	1 (0 – 1)	1 (0 – 2)	2 (1 – 3)	1 (1 – 2)	0 (0 – 0)
Belgium	2 (1 – 3)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	2 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Belize	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Benin	225 (139 – 339)	241 (156 – 355)	95 (52 – 147)	58 (35 – 87)	70 (43 – 104)	195 (119 – 294)	229 (148 – 331)	124 (75 – 181)	5 (3 – 8)
Bhutan	5 (2 – 9)	5 (2 – 10)	5 (2 – 9)	2 (1 – 4)	2 (1 – 4)	7 (3 – 12)	10 (4 – 17)	5 (2 – 9)	0 (0 – 0)
Bolivia	92 (52 – 142)	67 (38 – 106)	61 (35 – 96)	34 (20 – 53)	50 (28 – 78)	108 (62 – 168)	52 (29 – 83)	33 (19 – 50)	0 (0 – 0)
Bosnia and Herzegovina	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Botswana	37 (15 – 66)	25 (10 – 45)	33 (13 – 59)	13 (5 – 25)	23 (10 – 42)	27 (11 – 50)	24 (10 – 46)	26 (11 – 48)	20 (9 – 35)
Brazil	194 (146 – 250)	169 (126 – 220)	320 (242 – 410)	62 (44 – 84)	231 (177 – 297)	253 (162 – 354)	268 (205 – 342)	312 (236 – 401)	1 (1 – 2)
Brunei	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Bulgaria	3 (2 – 4)	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	2 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Burkina Faso	402 (256 – 569)	555 (371 – 773)	183 (107 – 274)	76 (38 – 132)	140 (87 – 201)	244 (138 – 375)	340 (215 – 492)	232 (137 – 346)	8 (4 – 12)
Burundi	327 (191 – 471)	204 (114 – 312)	171 (100 – 257)	90 (55 – 131)	166 (92 – 246)	152 (80 – 241)	427 (280 – 615)	135 (70 – 211)	9 (4 – 14)
Cambodia	152 (91 – 228)	116 (68 – 178)	84 (33 – 145)	67 (37 – 103)	98 (59 – 145)	110 (65 – 163)	149 (72 – 231)	83 (46 – 129)	0 (0 – 1)
Cameroon	841 (539 – 1192)	830 (544 – 1214)	361 (223 – 529)	254 (156 – 380)	264 (151 – 401)	747 (423 – 1136)	858 (570 – 1208)	535 (317 – 791)	73 (40 – 115)
Canada	5 (3 – 7)	3 (2 – 4)	4 (3 – 5)	2 (1 – 3)	2 (2 – 3)	5 (4 – 7)	7 (5 – 9)	4 (3 – 5)	0 (0 – 0)
Cape Verde	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 0)
Central African Republic	247 (139 – 373)	211 (120 – 325)	167 (95 – 260)	83 (48 – 129)	126 (76 – 198)	219 (124 – 358)	260 (151 – 381)	115 (67 – 183)	27 (14 – 44)
Chad	643 (406 – 930)	637 (386 – 930)	274 (150 – 421)	180 (103 – 275)	204 (120 – 314)	560 (301 – 913)	664 (429 – 953)	395 (233 – 609)	30 (16 – 48)
Chile	10 (7 – 13)	4 (2 – 5)	7 (5 – 9)	3 (2 – 5)	7 (5 – 9)	2 (1 – 3)	7 (5 – 9)	7 (5 – 9)	0 (0 – 0)
China	360 (290 – 431)	655 (532 – 797)	296 (241 – 353)	330 (264 – 400)	268 (217 – 326)	341 (273 – 413)	497 (405 – 596)	479 (377 – 577)	0 (0 – 0)
Colombia	73 (49 – 105)	68 (46 – 97)	136 (95 – 191)	31 (17 – 50)	45 (29 – 65)	38 (19 – 66)	85 (56 – 124)	99 (64 – 142)	0 (0 – 0)
Comoros	17 (8 – 30)	11 (5 – 21)	8 (4 – 16)	4 (2 – 8)	8 (4 – 14)	8 (4 – 14)	24 (12 – 43)	6 (3 – 12)	0 (0 – 0)
Congo	85 (52 – 132)	72 (42 – 113)	54 (31 – 84)	28 (17 – 45)	44 (26 – 67)	75 (40 – 125)	91 (55 – 136)	39 (22 – 62)	6 (3 – 9)
Costa Rica	3 (2 – 4)	2 (2 – 3)	2 (2 – 3)	2 (1 – 2)	2 (1 – 2)	1 (1 – 2)	3 (2 – 4)	3 (2 – 4)	0 (0 – 0)
Croatia	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Cuba	7 (5 – 10)	5 (4 – 7)	4 (2 – 6)	3 (2 – 5)	4 (3 – 6)	3 (2 – 5)	7 (5 – 9)	10 (7 – 13)	0 (0 – 0)

Cyprus	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)
Czech Republic	1 (1-2)	1 (0-1)	1 (1-1)	1 (1-1)	0 (0-1)	1 (0-1)	1 (1-2)	0 (0-1)	0 (0-0)
Côte d'Ivoire	657 (433-938)	706 (428-1027)	282 (157-437)	197 (117-297)	217 (127-326)	597 (361-921)	716 (447-1046)	405 (241-625)	40 (20-62)
Democratic Republic of the Congo	1773 (1207-2456)	1482 (950-2165)	1077 (694-1571)	563 (377-780)	930 (570-1364)	1571 (987-2368)	1858 (1218-2641)	804 (488-1177)	47 (25-77)
Denmark	1 (0-1)	0 (0-0)	0 (0-1)	0 (0-0)	0 (0-0)	0 (0-0)	1 (0-1)	0 (0-0)	0 (0-0)
Djibouti	24 (14-38)	15 (9-25)	13 (7-21)	6 (4-11)	12 (7-20)	11 (5-20)	31 (18-50)	10 (5-18)	1 (0-1)
Dominica	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)
Dominican Republic	12 (6-18)	11 (6-16)	21 (14-30)	7 (4-10)	7 (4-10)	7 (5-11)	13 (8-18)	13 (8-19)	0 (0-0)
Ecuador	26 (16-39)	41 (26-61)	62 (40-90)	12 (7-19)	20 (13-30)	64 (40-96)	30 (19-43)	27 (17-39)	0 (0-0)
Egypt	43 (30-59)	222 (160-298)	100 (75-134)	45 (26-70)	51 (37-69)	45 (20-81)	47 (32-65)	64 (30-109)	0 (0-0)
El Salvador	15 (9-21)	15 (9-21)	14 (9-22)	5 (3-8)	9 (6-14)	6 (3-10)	13 (8-20)	8 (4-13)	0 (0-0)
Equatorial Guinea	16 (8-31)	15 (7-27)	10 (5-19)	5 (3-10)	9 (4-16)	17 (7-33)	18 (8-33)	7 (4-14)	2 (1-4)
Eritrea	247 (146-370)	160 (83-251)	138 (79-204)	69 (41-106)	120 (70-189)	123 (65-193)	348 (207-532)	101 (54-164)	3 (2-6)
Estonia	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)
Ethiopia	2982 (1999-4103)	1851 (1202-2772)	1561 (1066-2209)	800 (540-1165)	1462 (978-2132)	1420 (854-2157)	3899 (2764-5233)	1154 (684-1866)	73 (37-112)
Federated States of Micronesia	0 (0-1)	0 (0-1)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-1)	0 (0-1)	0 (0-0)	0 (0-0)
Fiji	2 (1-3)	2 (1-4)	1 (1-2)	1 (1-2)	1 (1-2)	2 (1-3)	2 (1-3)	1 (1-2)	0 (0-0)
Finland	0 (0-1)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-1)	0 (0-0)	0 (0-0)
France	9 (6-12)	10 (7-13)	7 (4-10)	5 (3-7)	4 (2-6)	8 (5-11)	16 (12-20)	12 (8-16)	0 (0-0)
Gabon	24 (15-36)	20 (13-29)	15 (10-23)	8 (5-11)	13 (7-21)	24 (10-47)	28 (17-43)	11 (7-18)	1 (1-2)
Georgia	2 (2-3)	2 (1-3)	2 (2-3)	2 (1-2)	2 (1-2)	2 (1-3)	3 (2-4)	3 (2-4)	0 (0-0)
Germany	9 (6-12)	5 (3-7)	5 (3-6)	4 (3-5)	5 (3-7)	3 (2-5)	10 (7-13)	5 (4-7)	0 (0-0)
Ghana	394 (249-577)	387 (235-608)	183 (99-283)	146 (85-235)	130 (72-210)	328 (185-521)	501 (301-709)	260 (153-383)	10 (5-16)
Greece	2 (1-3)	1 (1-2)	1 (1-2)	1 (1-1)	1 (1-1)	1 (0-1)	2 (1-3)	1 (1-2)	0 (0-0)
Grenada	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)
Guatemala	32 (22-45)	92 (68-121)	63 (44-84)	24 (17-34)	40 (28-55)	30 (17-47)	85 (59-114)	58 (32-82)	0 (0-0)
Guinea	490 (353-660)	507 (346-710)	203 (119-294)	135 (82-202)	154 (92-235)	409 (240-596)	516 (361-703)	286 (191-413)	17 (9-26)
Guinea-Bissau	90 (59-130)	97 (58-144)	39 (23-61)	28 (16-45)	29 (17-47)	132 (78-197)	97 (60-144)	55 (29-87)	8 (4-12)
Guyana	4 (2-7)	3 (2-5)	3 (2-5)	2 (1-3)	2 (1-2)	1 (1-2)	2 (1-4)	2 (1-3)	0 (0-0)
Haiti	100 (50-165)	118 (63-197)	245 (159-373)	57 (27-95)	102 (63-159)	76 (35-130)	101 (53-164)	61 (25-109)	7 (3-11)
Honduras	17 (7-31)	28 (12-47)	15 (5-32)	14 (6-26)	11 (5-21)	13 (5-23)	32 (14-54)	22 (9-41)	0 (0-0)
Hungary	2 (1-2)	1 (1-2)	1 (1-2)	1 (0-1)	1 (0-1)	1 (1-2)	1 (1-2)	1 (0-1)	0 (0-0)
Iceland	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)
India	7830 (5010-11 425)	10 542 (6631-15 600)	6043 (3551-9061)	4975 (3319-7102)	7236 (4761-10 511)	13 632 (8313-20 815)	12 607 (7398-19 134)	8766 (5863-12 557)	23 (11-38)
Indonesia	1292 (831-1860)	1370 (848-1963)	1266 (741-1892)	727 (413-1188)	602 (338-945)	1206 (769-1748)	1714 (999-2487)	1148 (749-1620)	5 (3-9)
Iran	22 (15-32)	40 (27-57)	20 (13-29)	15 (9-25)	14 (9-21)	19 (10-33)	15 (9-22)	51 (34-72)	0 (0-0)
Iraq	72 (40-130)	154 (89-268)	69 (37-125)	64 (35-119)	100 (58-171)	72 (34-135)	110 (56-196)	53 (21-107)	0 (0-0)
Ireland	1 (0-1)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-1)	0 (0-0)	0 (0-0)
Israel	1 (1-2)	1 (0-1)	1 (1-1)	1 (0-1)	1 (0-1)	1 (0-1)	1 (1-2)	1 (0-1)	0 (0-0)
Italy	6 (4-9)	4 (2-5)	3 (2-4)	2 (1-3)	1 (1-2)	2 (1-3)	4 (3-6)	2 (1-4)	0 (0-0)
Jamaica	3 (2-5)	4 (3-7)	4 (3-7)	2 (1-3)	2 (1-3)	2 (1-3)	2 (1-4)	2 (1-4)	0 (0-0)
Japan	11 (8-15)	12 (9-16)	5 (3-8)	6 (4-8)	4 (3-7)	4 (2-6)	12 (9-17)	12 (8-16)	0 (0-0)
Jordan	7 (4-10)	8 (5-12)	9 (6-13)	7 (4-10)	5 (3-8)	5 (2-9)	12 (8-18)	5 (3-9)	0 (0-0)

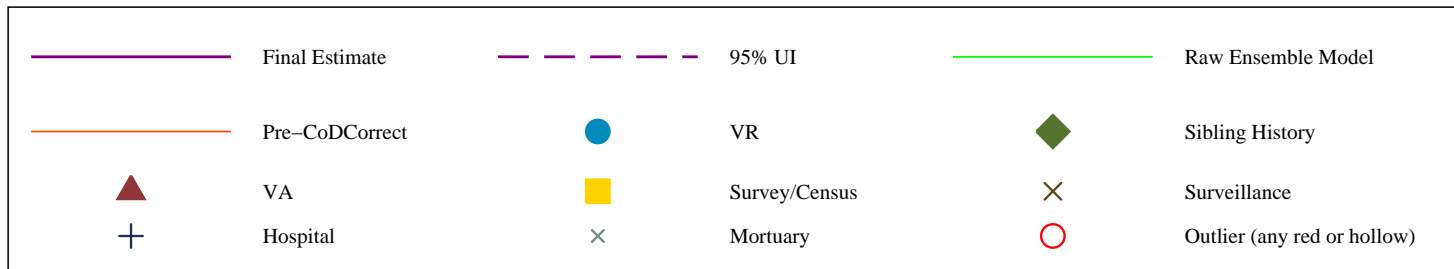
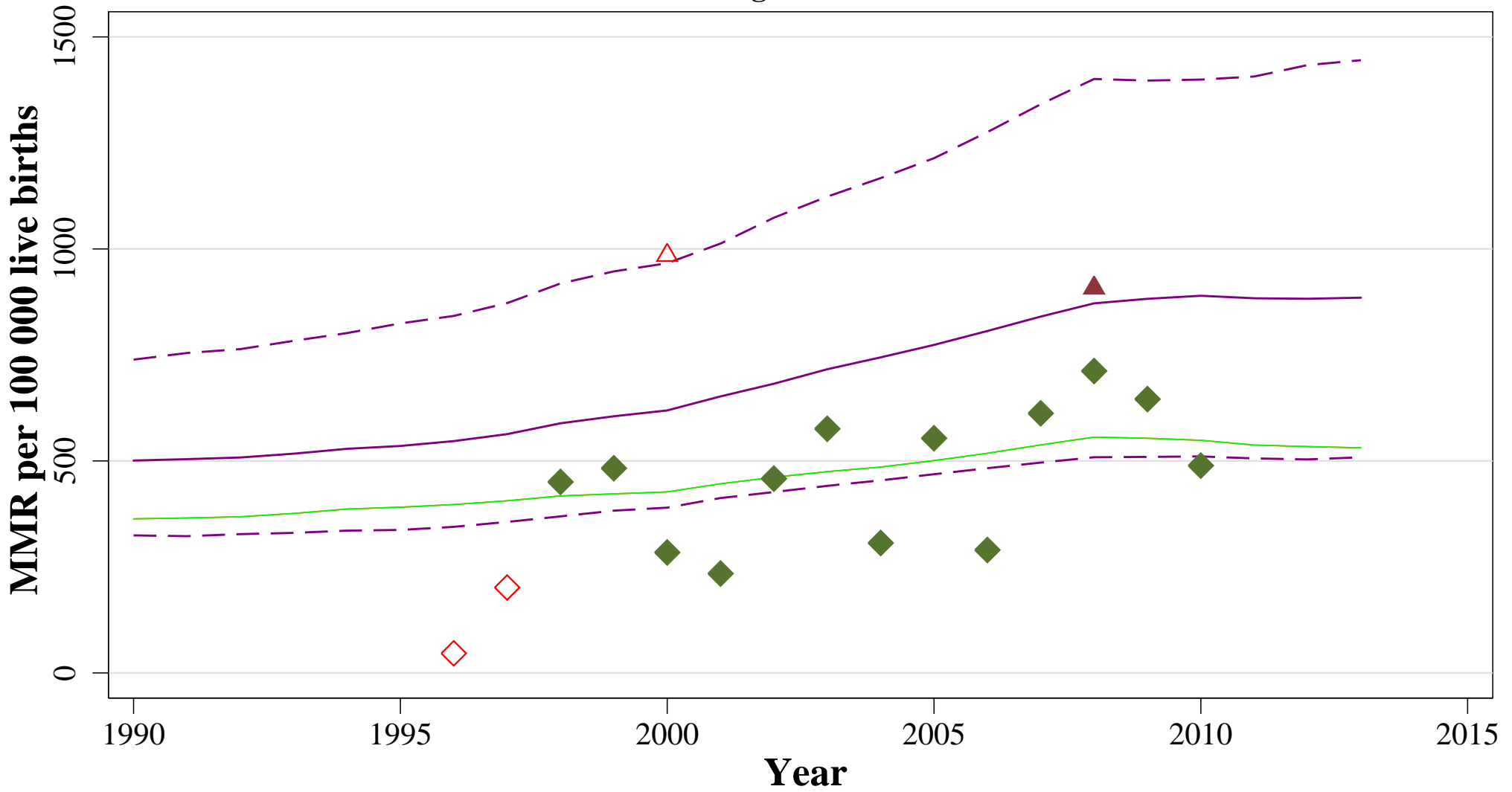
Kazakhstan	12 (8 – 17)	11 (7 – 16)	8 (4 – 13)	9 (5 – 14)	7 (3 – 12)	12 (7 – 19)	16 (10 – 23)	15 (10 – 21)	0 (0 – 0)
Kenya	826 (488 – 1319)	500 (285 – 811)	456 (258 – 771)	229 (136 – 371)	416 (240 – 676)	376 (185 – 651)	1087 (674 – 1673)	357 (189 – 614)	105 (56 – 174)
Kiribati	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Kuwait	1 (1 – 1)	1 (1 – 2)	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	1 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Kyrgyzstan	6 (4 – 9)	10 (7 – 14)	10 (7 – 13)	5 (3 – 8)	7 (5 – 10)	8 (5 – 13)	9 (6 – 12)	13 (9 – 17)	0 (0 – 0)
Laos	95 (44 – 179)	82 (40 – 146)	57 (21 – 106)	42 (18 – 75)	50 (26 – 90)	70 (33 – 127)	94 (44 – 163)	52 (22 – 100)	0 (0 – 0)
Latvia	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Lebanon	2 (1 – 2)	2 (1 – 4)	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	2 (1 – 3)	1 (0 – 2)	0 (0 – 0)
Lesotho	50 (28 – 81)	34 (18 – 55)	39 (20 – 63)	16 (8 – 28)	33 (18 – 55)	36 (18 – 65)	29 (15 – 49)	31 (17 – 52)	27 (15 – 41)
Liberia	180 (121 – 250)	185 (125 – 260)	75 (48 – 109)	46 (27 – 71)	53 (29 – 87)	151 (95 – 223)	183 (124 – 253)	97 (57 – 141)	3 (1 – 5)
Libya	5 (3 – 9)	6 (4 – 10)	3 (3 – 7)	3 (2 – 5)	3 (2 – 5)	3 (1 – 6)	5 (2 – 9)	3 (1 – 6)	0 (0 – 0)
Lithuania	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Luxembourg	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Macedonia	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Madagascar	476 (254 – 770)	284 (143 – 451)	246 (137 – 397)	127 (70 – 206)	244 (134 – 398)	223 (111 – 376)	664 (388 – 1011)	182 (86 – 308)	3 (1 – 5)
Malawi	416 (244 – 616)	265 (158 – 411)	224 (138 – 340)	115 (68 – 175)	207 (120 – 318)	200 (110 – 341)	566 (357 – 830)	175 (81 – 306)	88 (49 – 134)
Malaysia	39 (27 – 53)	39 (27 – 54)	22 (14 – 35)	18 (8 – 27)	49 (36 – 66)	32 (19 – 46)	61 (43 – 85)	32 (21 – 47)	0 (0 – 0)
Maldives	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Mali	521 (359 – 705)	537 (382 – 747)	223 (139 – 314)	151 (97 – 224)	161 (89 – 239)	487 (314 – 685)	562 (386 – 788)	308 (203 – 439)	10 (5 – 15)
Malta	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Marshall Islands	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Mauritania	134 (79 – 203)	145 (81 – 219)	55 (30 – 83)	38 (19 – 61)	44 (24 – 68)	120 (62 – 179)	151 (87 – 225)	73 (43 – 108)	1 (0 – 1)
Mauritius	1 (1 – 2)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	1 (1 – 1)	1 (0 – 1)	1 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Mexico	138 (127 – 151)	215 (198 – 234)	236 (216 – 259)	92 (84 – 101)	82 (74 – 91)	91 (82 – 101)	174 (159 – 192)	193 (177 – 211)	0 (0 – 0)
Moldova	2 (1 – 2)	1 (1 – 1)	1 (0 – 2)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (1 – 2)	1 (1 – 2)	0 (0 – 0)
Mongolia	5 (3 – 7)	5 (3 – 8)	3 (2 – 5)	3 (2 – 5)	4 (2 – 6)	4 (2 – 6)	5 (3 – 8)	3 (1 – 6)	0 (0 – 0)
Montenegro	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Morocco	76 (51 – 108)	78 (52 – 110)	84 (56 – 118)	49 (33 – 68)	30 (16 – 46)	43 (22 – 66)	70 (47 – 102)	42 (24 – 66)	0 (0 – 0)
Mozambique	410 (228 – 645)	286 (160 – 439)	276 (150 – 439)	120 (68 – 190)	300 (169 – 477)	219 (118 – 358)	587 (341 – 875)	280 (156 – 449)	92 (49 – 146)
Myanmar	567 (257 – 1119)	507 (237 – 989)	368 (145 – 757)	276 (123 – 553)	342 (141 – 694)	442 (183 – 865)	619 (285 – 1194)	401 (182 – 823)	2 (1 – 4)
Namibia	16 (9 – 26)	10 (5 – 17)	12 (6 – 20)	5 (3 – 9)	10 (6 – 17)	11 (5 – 20)	9 (5 – 16)	10 (6 – 18)	4 (2 – 7)
Nepal	197 (116 – 291)	222 (140 – 333)	182 (114 – 266)	77 (49 – 113)	83 (47 – 131)	263 (153 – 395)	364 (241 – 512)	196 (121 – 286)	0 (0 – 1)
Netherlands	2 (1 – 3)	1 (1 – 2)	3 (2 – 3)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	2 (2 – 3)	1 (1 – 2)	0 (0 – 0)
New Zealand	1 (0 – 1)	1 (0 – 1)	1 (1 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (1 – 2)	1 (1 – 1)	0 (0 – 0)
Nicaragua	9 (5 – 13)	21 (16 – 28)	14 (10 – 19)	6 (4 – 9)	9 (6 – 12)	6 (3 – 10)	9 (6 – 12)	15 (11 – 21)	0 (0 – 0)
Niger	688 (480 – 942)	699 (483 – 935)	310 (201 – 438)	190 (113 – 274)	219 (135 – 312)	597 (338 – 911)	760 (533 – 998)	399 (267 – 572)	4 (2 – 6)
Nigeria	6406 (4055 – 9215)	5661 (3290 – 8567)	2691 (1592 – 4201)	2807 (1675 – 4087)	1821 (925 – 2976)	5876 (2948 – 9181)	6844 (4297 – 9869)	4067 (2338 – 6412)	450 (223 – 735)
North Korea	31 (16 – 52)	51 (25 – 85)	25 (12 – 45)	32 (15 – 53)	26 (13 – 43)	32 (17 – 59)	43 (23 – 68)	35 (17 – 59)	0 (0 – 0)
Norway	1 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	1 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Oman	1 (1 – 2)	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (0 – 1)	1 (0 – 2)	1 (1 – 2)	1 (0 – 2)	0 (0 – 0)
Pakistan	2187 (1182 – 3304)	2365 (1272 – 3723)	2117 (1143 – 3164)	915 (491 – 1362)	972 (497 – 1502)	3089 (1301 – 4895)	4042 (2082 – 6362)	2154 (1154 – 3209)	2 (1 – 4)
Palestine	2 (1 – 3)	2 (1 – 4)	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	2 (1 – 3)	1 (1 – 2)	0 (0 – 0)
Panama	6 (4 – 9)	6 (4 – 9)	7 (5 – 10)	3 (2 – 5)	4 (3 – 6)	3 (2 – 5)	6 (4 – 9)	6 (4 – 9)	0 (0 – 0)

Papua New Guinea	201 (101 – 347)	232 (115 – 419)	130 (63 – 241)	111 (55 – 196)	97 (49 – 177)	172 (85 – 324)	202 (103 – 365)	110 (54 – 197)	2 (1 – 3)
Paraguay	31 (23 – 43)	27 (19 – 38)	22 (16 – 29)	7 (5 – 10)	18 (12 – 25)	19 (12 – 28)	11 (8 – 17)	20 (14 – 28)	0 (0 – 0)
Peru	41 (27 – 58)	57 (38 – 78)	51 (35 – 70)	17 (11 – 27)	58 (39 – 80)	88 (57 – 124)	44 (30 – 60)	26 (16 – 38)	0 (0 – 0)
Philippines	208 (138 – 302)	365 (238 – 533)	479 (312 – 698)	92 (51 – 154)	128 (82 – 193)	337 (138 – 351)	479 (219 – 497)	114 (72 – 168)	1 (0 – 1)
Poland	4 (3 – 5)	3 (2 – 5)	2 (1 – 3)	2 (1 – 3)	2 (1 – 3)	2 (1 – 4)	3 (2 – 4)	1 (1 – 2)	0 (0 – 0)
Portugal	2 (2 – 3)	1 (1 – 1)	1 (1 – 2)	1 (0 – 1)	1 (1 – 2)	0 (0 – 1)	1 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Qatar	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Romania	8 (6 – 11)	5 (3 – 6)	3 (2 – 4)	3 (2 – 5)	3 (2 – 4)	3 (2 – 4)	5 (4 – 7)	7 (5 – 9)	0 (0 – 0)
Russia	45 (35 – 57)	35 (26 – 44)	22 (16 – 28)	31 (21 – 44)	16 (11 – 22)	26 (16 – 38)	68 (52 – 85)	49 (38 – 62)	0 (0 – 0)
Rwanda	223 (138 – 325)	144 (85 – 216)	121 (66 – 191)	61 (35 – 92)	116 (72 – 169)	108 (55 – 168)	303 (188 – 443)	90 (46 – 155)	16 (8 – 25)
Saint Lucia	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Saint Vincent and the Grenadines	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Samoa	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Saudi Arabia	5 (4 – 7)	5 (3 – 7)	4 (3 – 6)	3 (2 – 4)	3 (2 – 5)	4 (2 – 7)	10 (7 – 14)	3 (2 – 5)	0 (0 – 0)
Senegal	335 (232 – 463)	346 (220 – 523)	141 (90 – 210)	93 (54 – 138)	103 (59 – 163)	301 (175 – 455)	358 (238 – 499)	198 (120 – 282)	4 (2 – 6)
Serbia	2 (1 – 3)	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	1 (1 – 1)	1 (1 – 2)	2 (1 – 2)	1 (0 – 1)	0 (0 – 0)
Seychelles	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Sierra Leone	253 (170 – 347)	256 (158 – 361)	107 (64 – 162)	70 (38 – 106)	81 (51 – 119)	213 (121 – 315)	266 (179 – 371)	144 (85 – 209)	8 (4 – 13)
Singapore	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	0 (0 – 0)
Slovakia	1 (1 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Slovenia	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Solomon Islands	5 (3 – 10)	6 (3 – 11)	3 (1 – 6)	3 (1 – 5)	2 (1 – 5)	4 (2 – 8)	5 (2 – 9)	3 (1 – 5)	0 (0 – 0)
Somalia	372 (212 – 609)	236 (129 – 430)	192 (109 – 323)	97 (55 – 172)	183 (106 – 301)	170 (90 – 298)	503 (284 – 895)	141 (75 – 254)	4 (2 – 7)
South Africa	178 (100 – 290)	158 (86 – 251)	290 (157 – 473)	111 (55 – 190)	156 (85 – 254)	263 (134 – 473)	220 (117 – 363)	351 (187 – 570)	195 (90 – 333)
South Korea	5 (3 – 7)	9 (6 – 13)	7 (4 – 10)	4 (2 – 6)	8 (5 – 12)	3 (2 – 5)	14 (9 – 20)	9 (6 – 13)	0 (0 – 0)
South Sudan	758 (505 – 1097)	468 (300 – 657)	382 (234 – 562)	197 (129 – 290)	374 (237 – 536)	358 (212 – 544)	1041 (704 – 1421)	290 (167 – 451)	34 (17 – 55)
Spain	7 (5 – 9)	4 (3 – 6)	3 (2 – 5)	3 (2 – 4)	3 (1 – 5)	2 (1 – 3)	6 (4 – 8)	2 (1 – 4)	0 (0 – 0)
Sri Lanka	21 (12 – 32)	20 (12 – 31)	11 (6 – 18)	9 (5 – 15)	12 (7 – 18)	13 (7 – 21)	22 (14 – 33)	8 (4 – 14)	0 (0 – 0)
Sudan	470 (279 – 727)	671 (396 – 1035)	506 (308 – 771)	328 (193 – 506)	313 (164 – 516)	351 (152 – 614)	523 (304 – 811)	356 (170 – 599)	2 (1 – 4)
Suriname	1 (1 – 2)	1 (1 – 2)	1 (1 – 2)	0 (0 – 1)	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 0)
Swaziland	9 (5 – 14)	6 (4 – 10)	7 (4 – 12)	3 (2 – 5)	6 (3 – 10)	6 (3 – 11)	6 (3 – 9)	6 (3 – 10)	6 (4 – 9)
Sweden	1 (1 – 1)	0 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 1)	1 (1 – 1)	0 (0 – 1)	0 (0 – 0)
Switzerland	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 0)	1 (0 – 1)	0 (0 – 1)	0 (0 – 0)
Syria	30 (17 – 48)	43 (26 – 64)	35 (21 – 52)	22 (14 – 34)	21 (12 – 34)	23 (13 – 36)	35 (21 – 53)	21 (11 – 37)	0 (0 – 0)
São Tomé and Príncipe	2 (1 – 3)	2 (1 – 3)	1 (0 – 1)	0 (0 – 1)	1 (0 – 1)	1 (1 – 2)	2 (1 – 3)	1 (0 – 2)	0 (0 – 0)
Taiwan (Province of China)	4 (3 – 6)	3 (2 – 4)	2 (1 – 3)	3 (2 – 4)	3 (2 – 5)	3 (1 – 4)	5 (3 – 7)	3 (2 – 5)	0 (0 – 0)
Tajikistan	7 (4 – 11)	12 (8 – 17)	8 (5 – 12)	9 (5 – 13)	9 (5 – 14)	13 (8 – 18)	15 (9 – 23)	10 (6 – 16)	0 (0 – 0)
Tanzania	1697 (1080 – 2567)	995 (638 – 1448)	743 (423 – 1173)	414 (251 – 630)	598 (320 – 987)	677 (387 – 1092)	1990 (1283 – 2867)	474 (240 – 790)	141 (77 – 225)
Thailand	121 (73 – 183)	57 (32 – 91)	41 (20 – 77)	50 (30 – 77)	71 (44 – 108)	56 (31 – 97)	50 (25 – 83)	34 (18 – 60)	1 (0 – 1)
The Bahamas	1 (0 – 1)	1 (0 – 1)	1 (0 – 1)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)	0 (0 – 1)	0 (0 – 1)	0 (0 – 0)
The Gambia	38 (20 – 64)	39 (18 – 65)	16 (8 – 29)	11 (5 – 19)	12 (6 – 22)	35 (16 – 64)	40 (19 – 70)	23 (11 – 40)	1 (0 – 2)
Timor-Leste	16 (10 – 23)	12 (8 – 17)	9 (4 – 14)	7 (4 – 10)	10 (7 – 15)	12 (7 – 16)	14 (9 – 20)	9 (5 – 13)	0 (0 – 0)
Togo	139 (81 – 219)	160 (93 – 247)	63 (36 – 98)	42 (22 – 66)	46 (25 – 77)	119 (62 – 195)	153 (92 – 238)	87 (48 – 149)	8 (4 – 13)

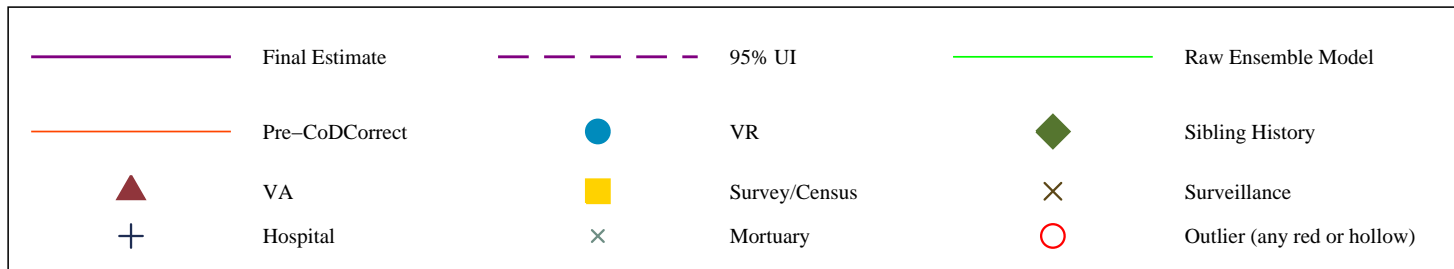
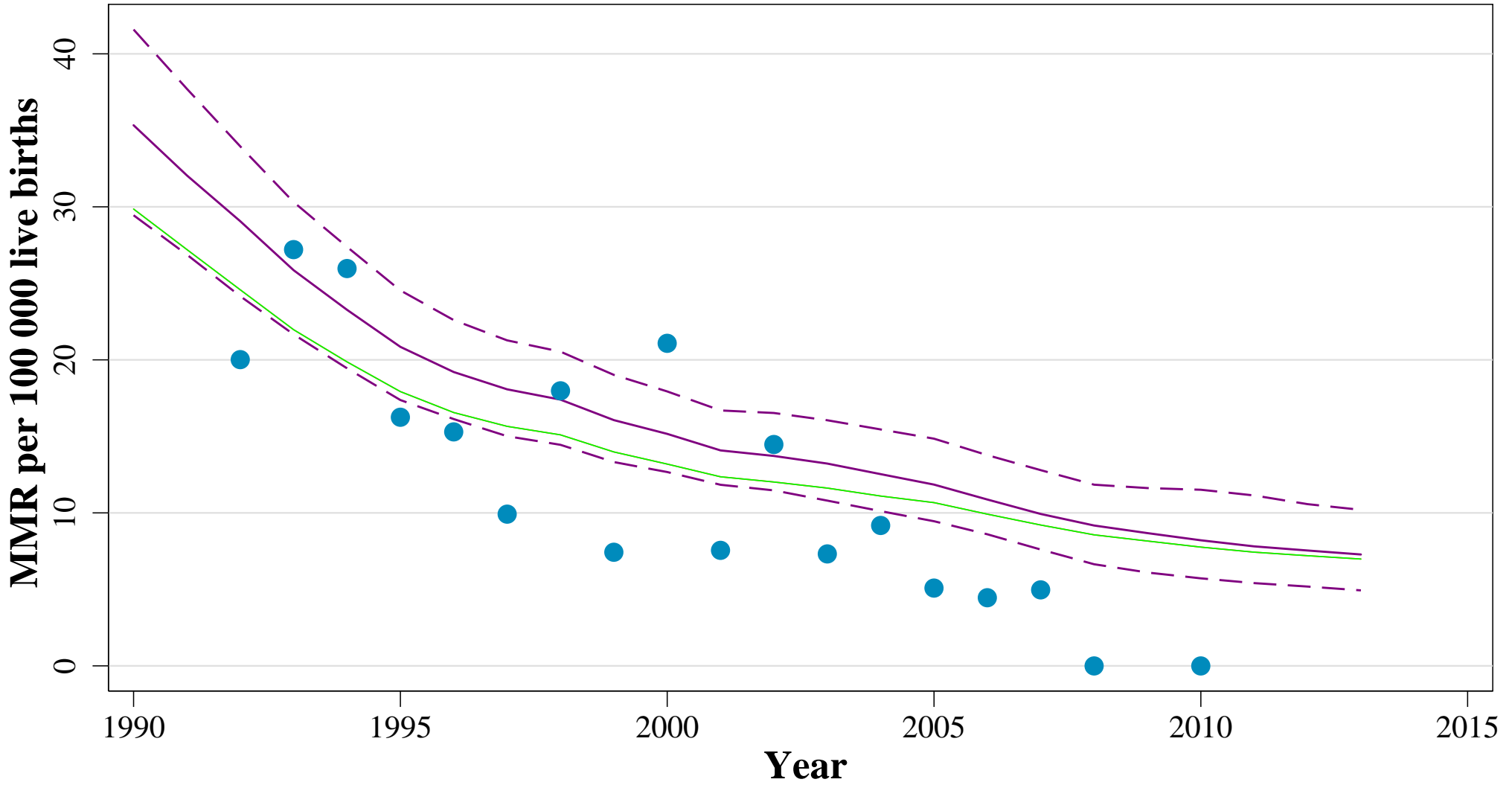
Tonga	0 (0-1)	1 (0-1)	0 (0-0)	0 (0-0)	0 (0-0)	0 (0-1)	0 (0-1)	0 (0-0)	0 (0-0)
Trinidad and Tobago	2 (1-3)	2 (1-3)	2 (1-3)	1 (0-1)	1 (0-1)	1 (0-1)	1 (1-2)	1 (0-1)	0 (0-0)
Tunisia	5 (3-8)	7 (3-11)	5 (3-8)	4 (2-6)	3 (2-5)	3 (2-6)	5 (3-9)	3 (1-6)	0 (0-0)
Turkey	38 (26-51)	24 (16-35)	29 (19-40)	13 (7-20)	28 (19-38)	13 (7-21)	28 (18-39)	16 (10-25)	0 (0-0)
Turkmenistan	4 (2-7)	6 (3-9)	4 (2-7)	4 (2-7)	5 (2-8)	6 (3-10)	8 (4-12)	5 (3-9)	0 (0-0)
Uganda	1000 (620-1484)	615 (356-921)	553 (327-839)	284 (170-421)	513 (299-779)	487 (272-759)	1353 (868-1971)	421 (226-680)	149 (79-230)
Ukraine	16 (11-21)	12 (8-17)	10 (5-16)	13 (8-19)	8 (4-12)	10 (5-16)	21 (14-28)	27 (18-36)	0 (0-0)
United Arab Emirates	2 (1-4)	4 (2-6)	2 (1-4)	2 (1-3)	1 (1-2)	2 (1-4)	3 (1-5)	1 (0-3)	0 (0-0)
United Kingdom	9 (8-11)	5 (4-6)	6 (5-7)	4 (3-4)	4 (4-5)	3 (3-4)	10 (8-12)	5 (4-6)	0 (0-0)
United States	92 (71-117)	41 (30-54)	60 (44-79)	48 (29-75)	60 (47-76)	137 (108-173)	217 (169-271)	139 (109-174)	0 (0-0)
Uruguay	3 (2-4)	1 (1-2)	1 (1-2)	1 (0-1)	2 (1-3)	1 (0-1)	1 (1-2)	1 (1-2)	0 (0-0)
Uzbekistan	16 (9-27)	30 (19-44)	15 (8-24)	16 (9-26)	24 (14-37)	30 (19-44)	44 (27-66)	12 (6-21)	0 (0-0)
Vanuatu	1 (1-3)	2 (1-3)	1 (0-2)	1 (0-2)	1 (0-1)	1 (1-2)	1 (1-3)	1 (0-2)	0 (0-0)
Venezuela	39 (27-53)	32 (22-44)	74 (55-96)	18 (12-25)	25 (18-34)	27 (14-41)	40 (29-51)	81 (60-105)	0 (0-0)
Vietnam	128 (65-225)	89 (46-149)	51 (16-99)	57 (28-103)	98 (55-170)	99 (54-164)	156 (83-262)	120 (61-204)	0 (0-0)
Yemen	294 (146-545)	463 (225-894)	336 (177-615)	215 (105-402)	198 (97-371)	208 (71-440)	368 (171-721)	193 (80-373)	0 (0-1)
Zambia	364 (221-552)	240 (135-376)	202 (110-325)	103 (61-164)	187 (107-295)	169 (84-279)	489 (303-758)	158 (85-264)	126 (74-190)
Zimbabwe	429 (241-695)	285 (163-449)	243 (125-395)	149 (84-251)	400 (232-650)	261 (110-488)	175 (90-295)	231 (123-390)	127 (66-204)

Appendix Figure 2: Maternal mortality ratio (MMR) data, CODEm results, HIV-correction and post-CoDCorrect model results by year for 188 countries, 1990 - 2013

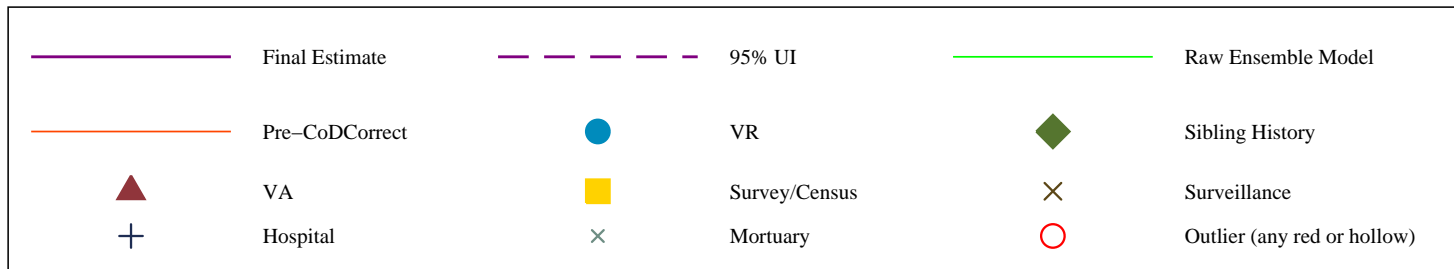
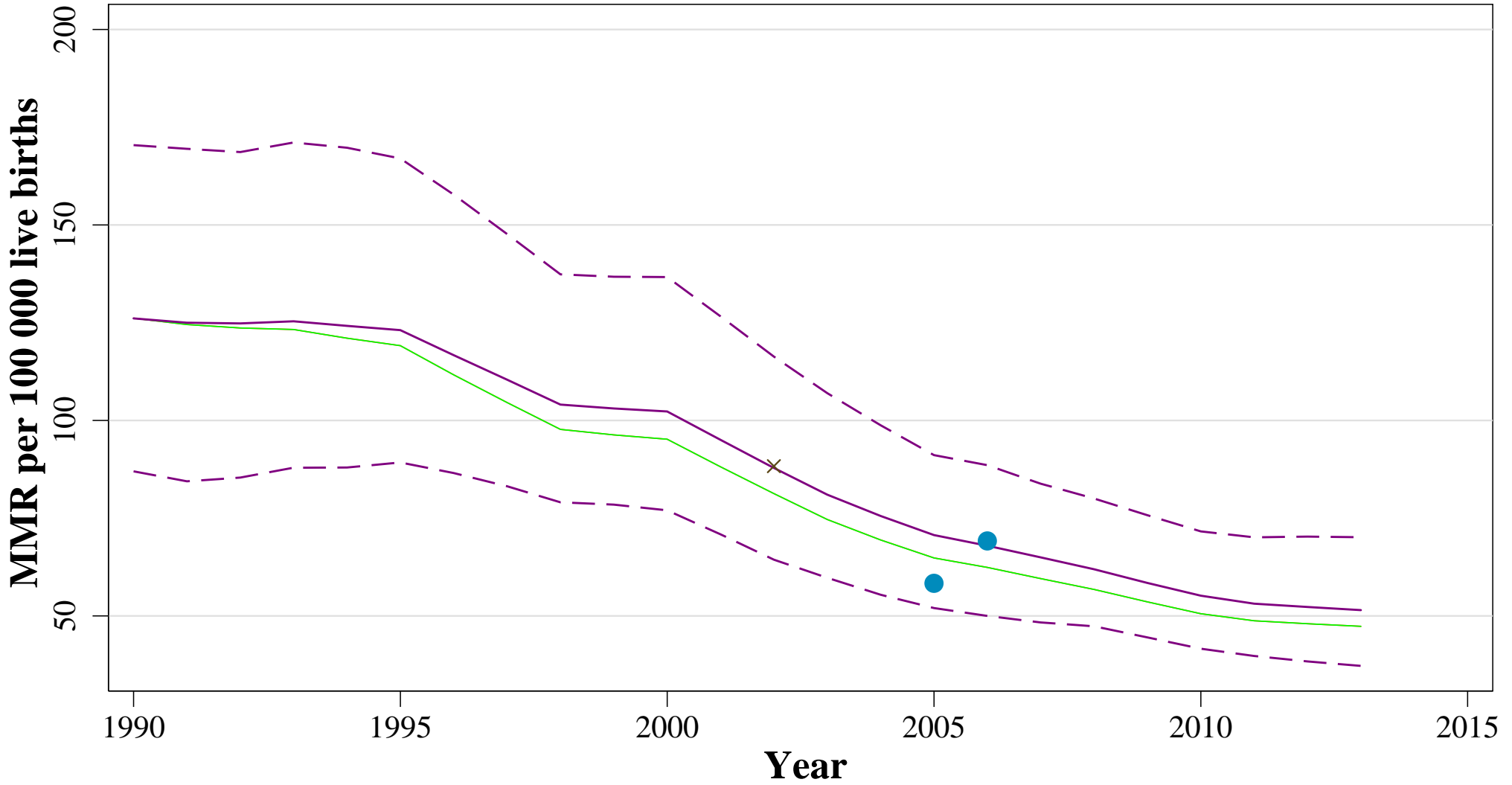
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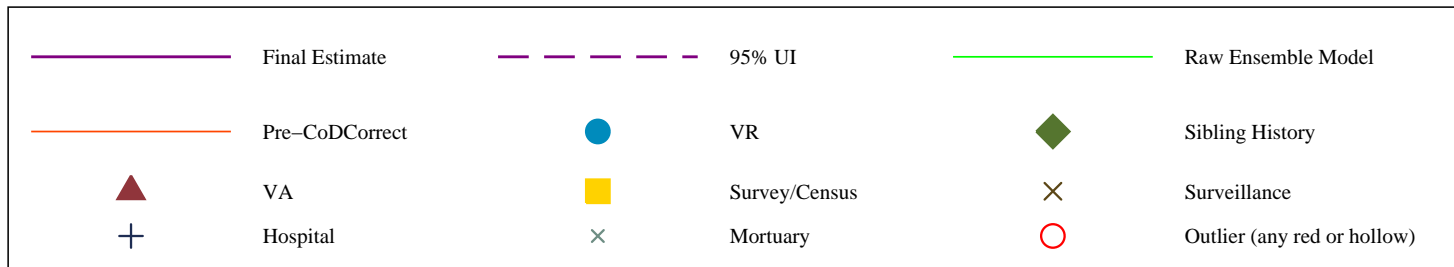
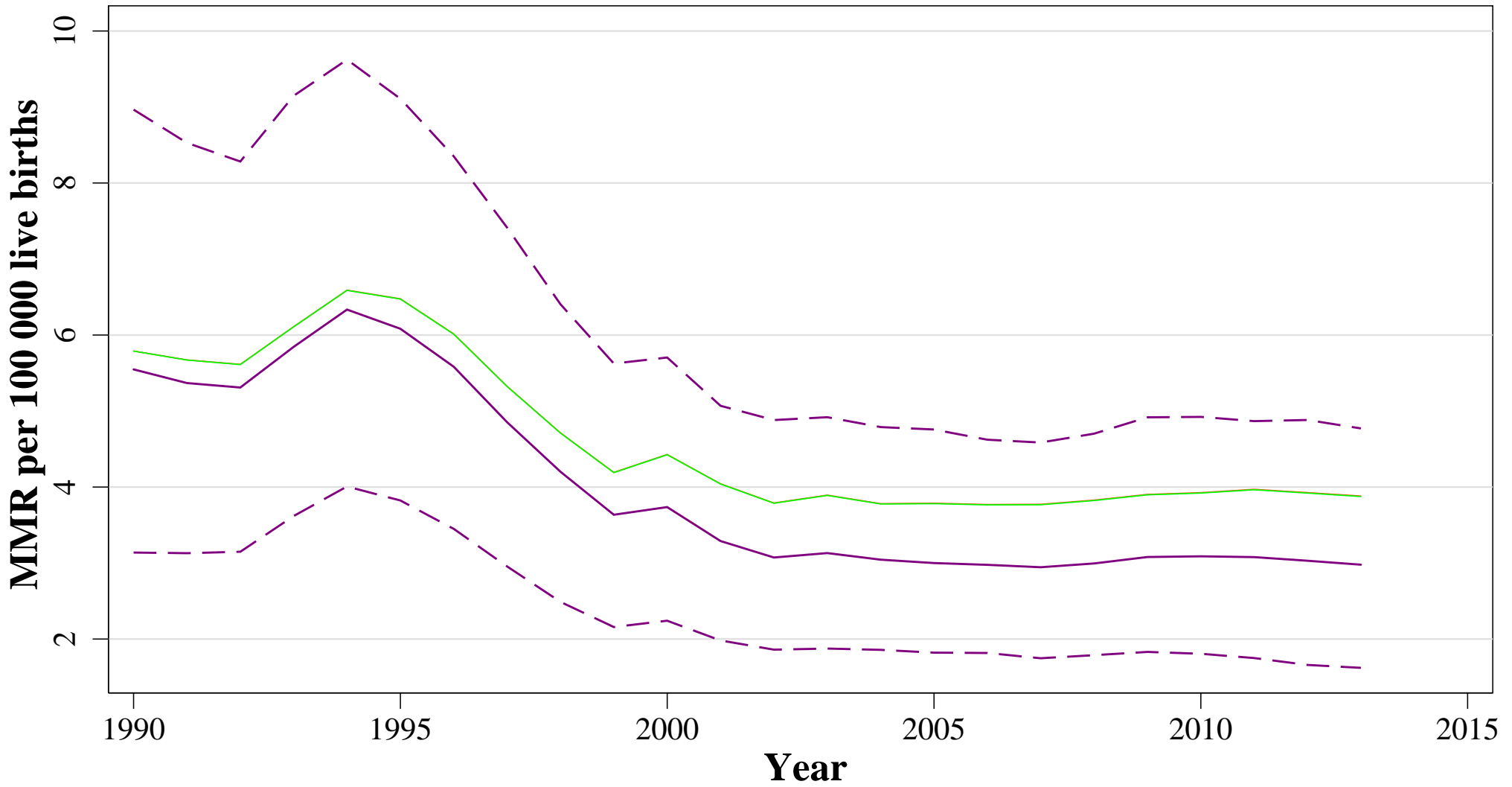
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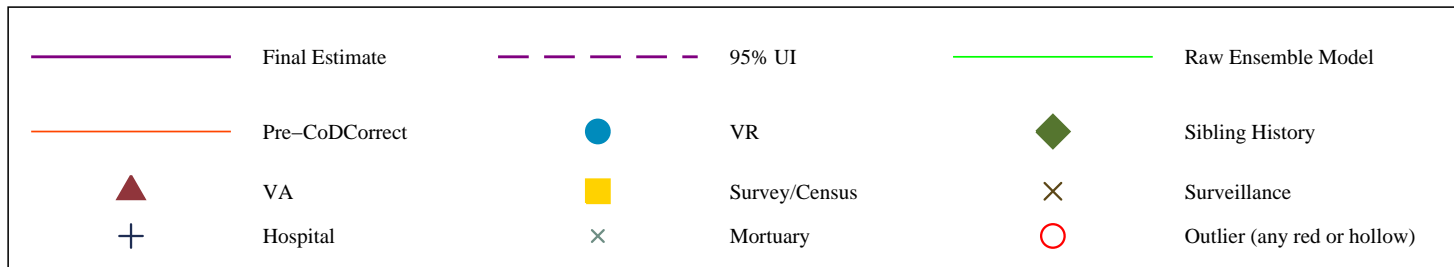
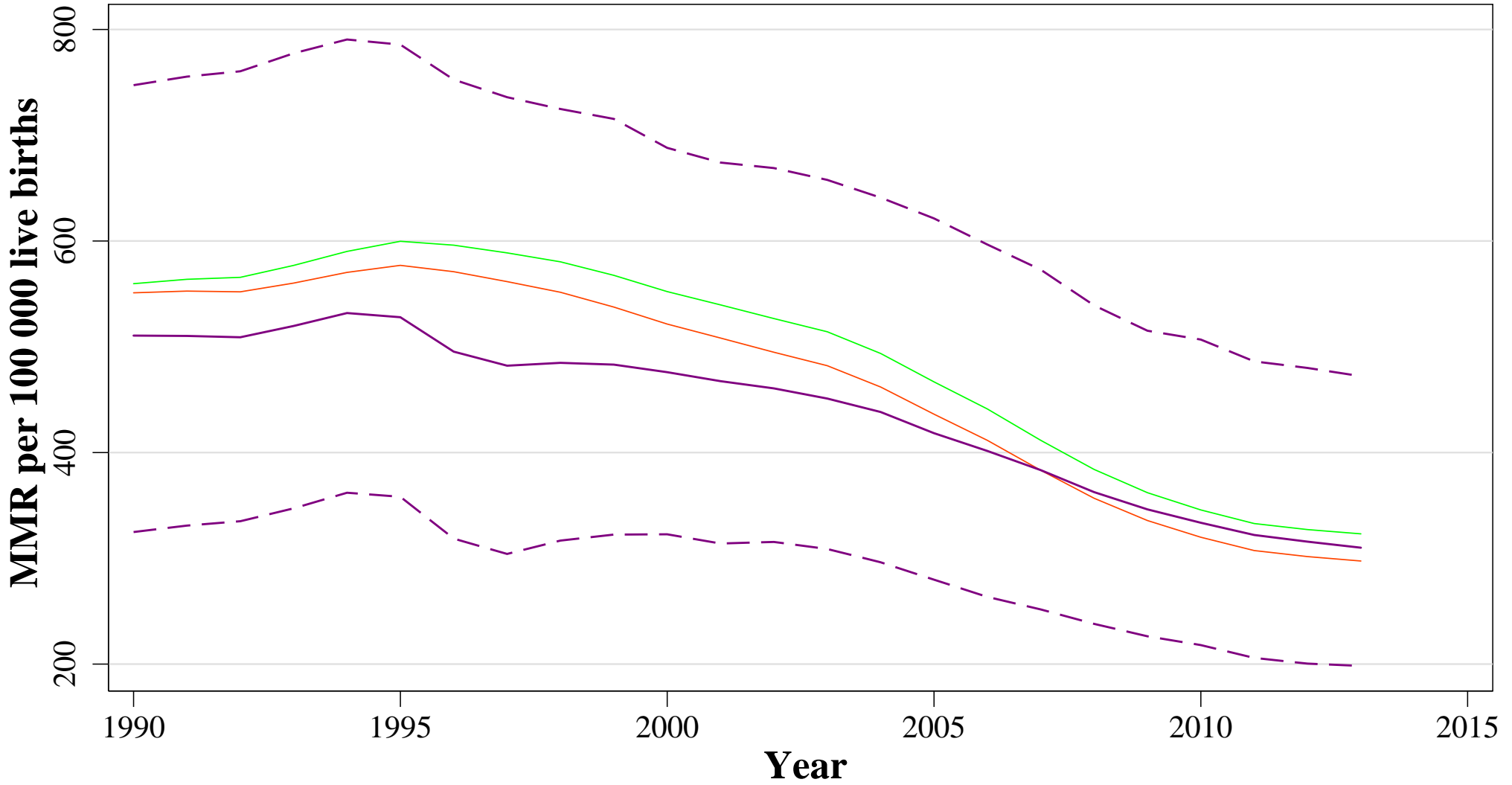
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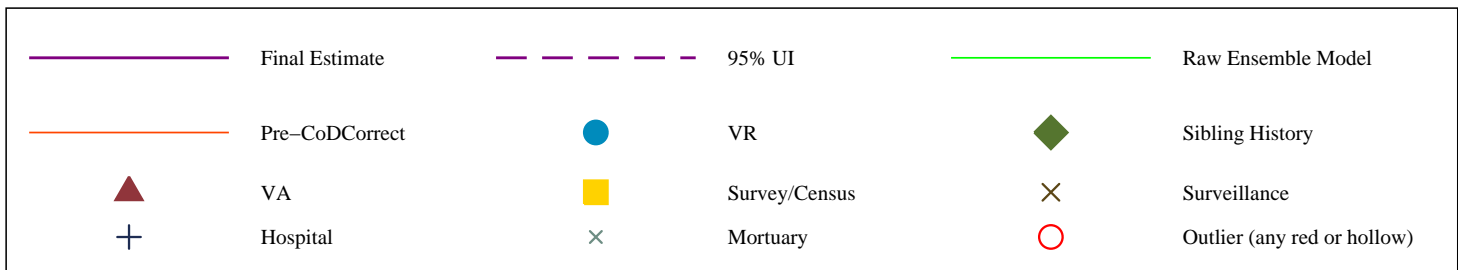
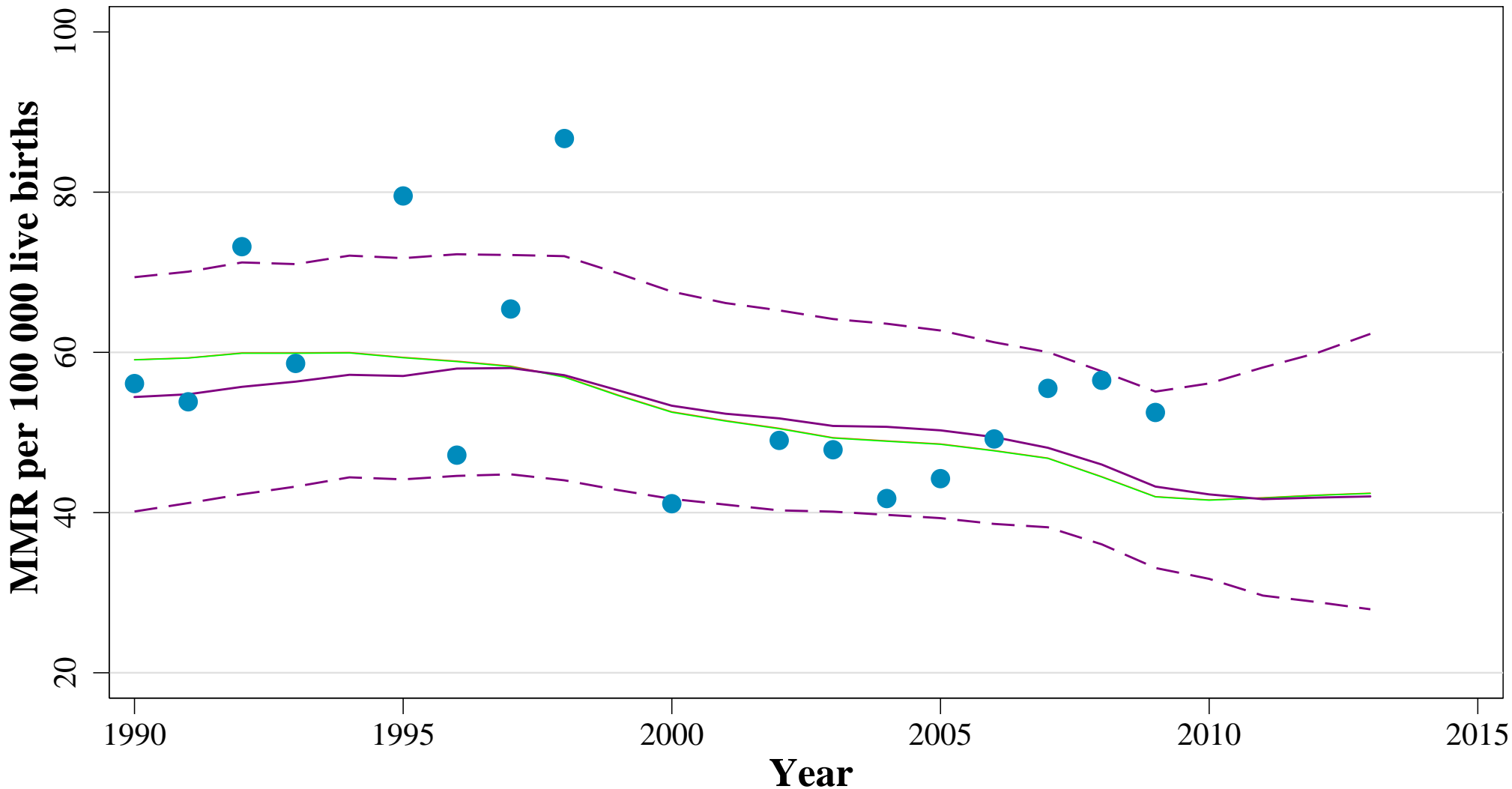
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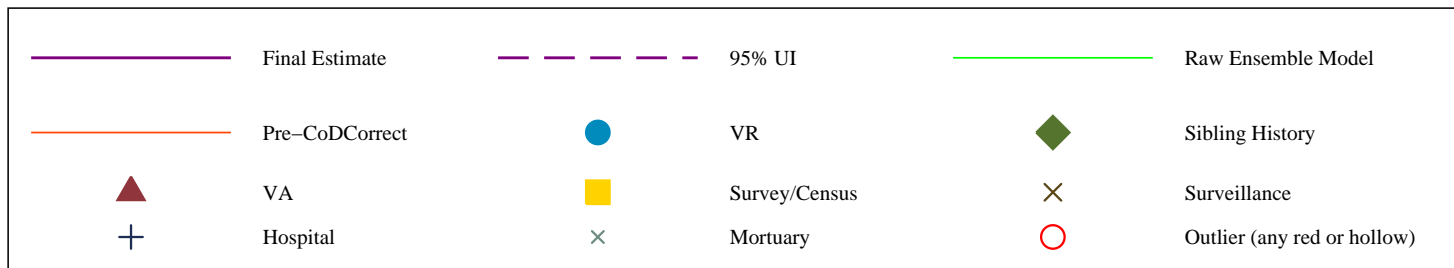
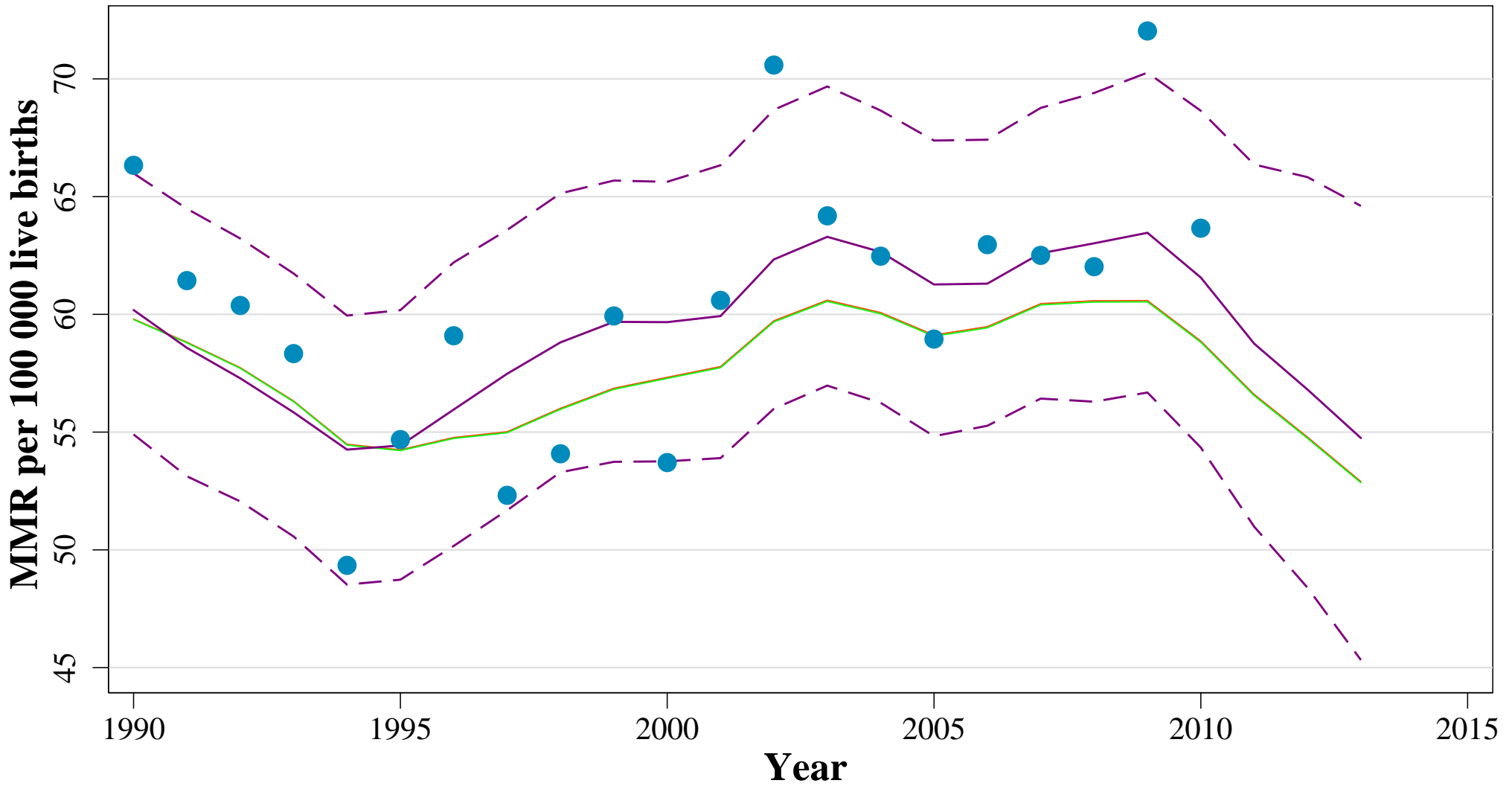
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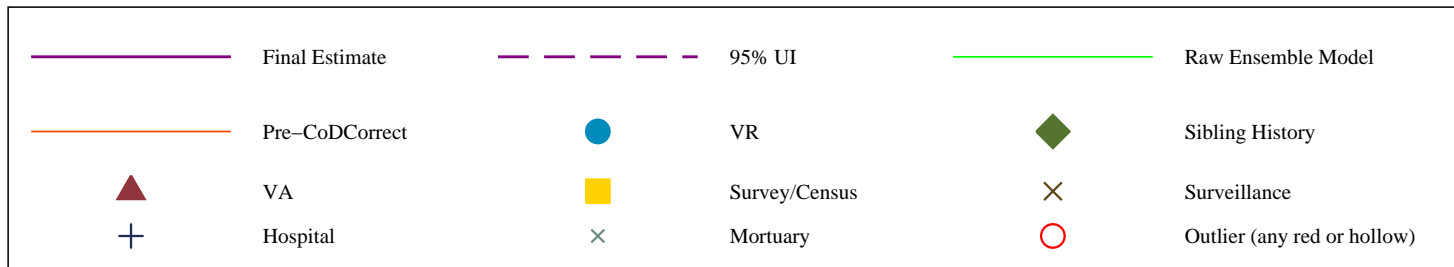
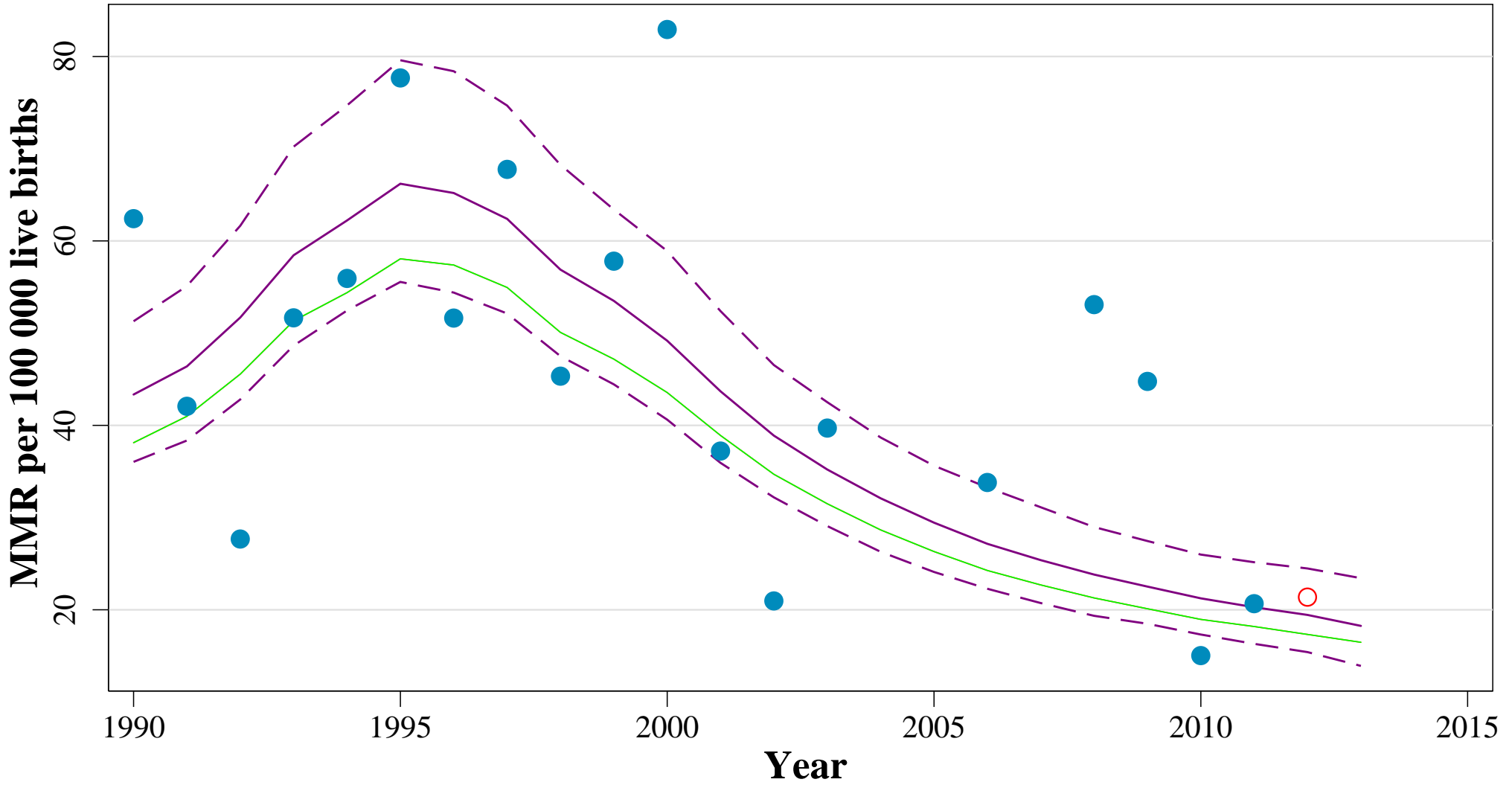
Antigua and Barbuda



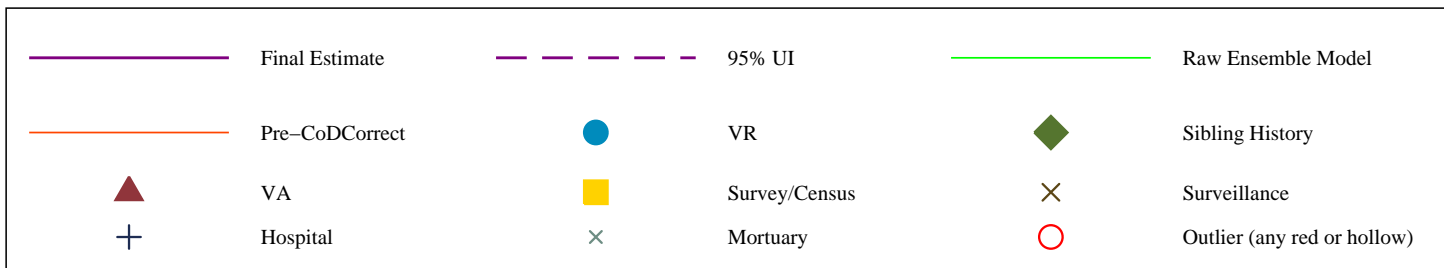
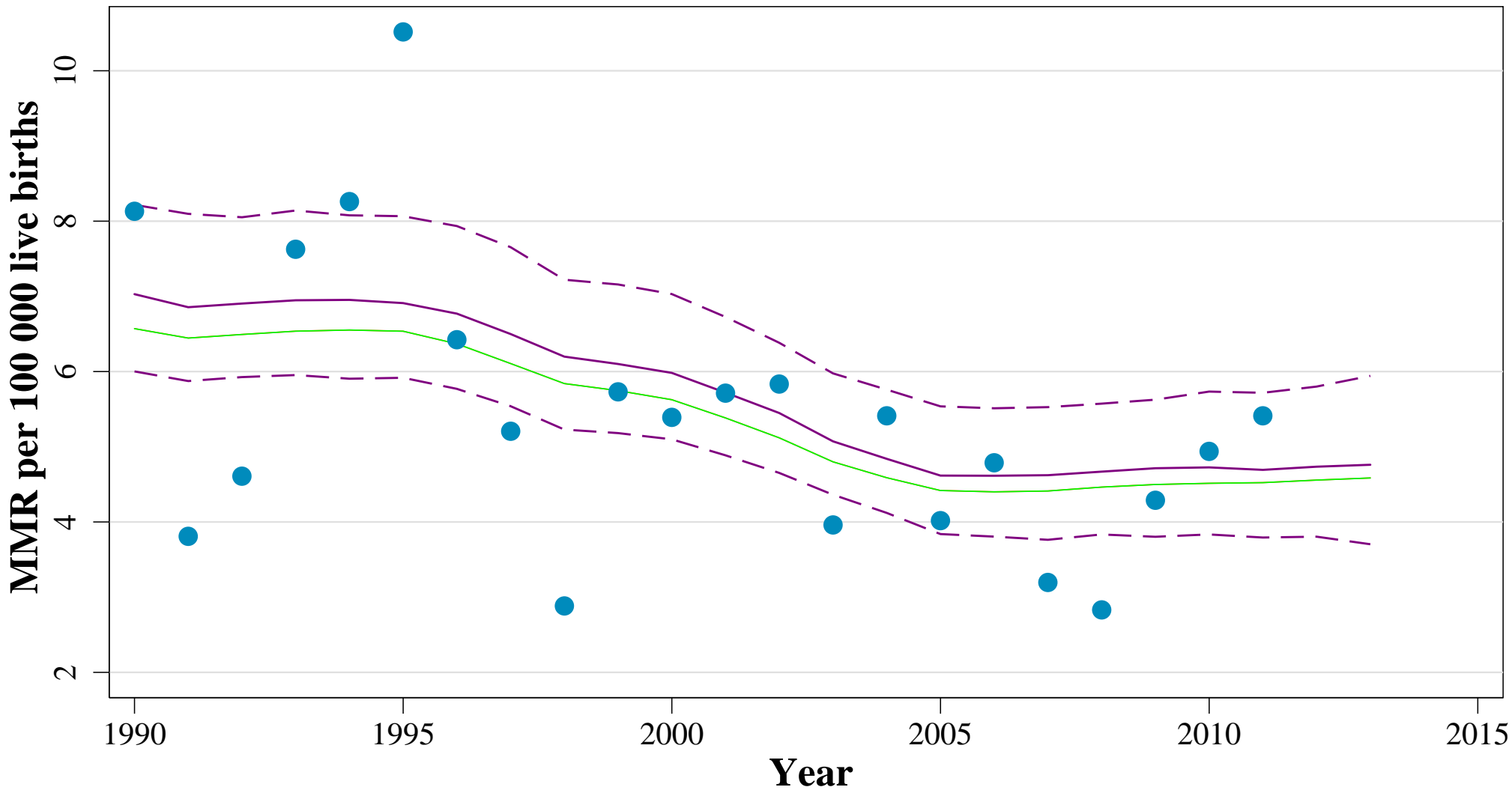
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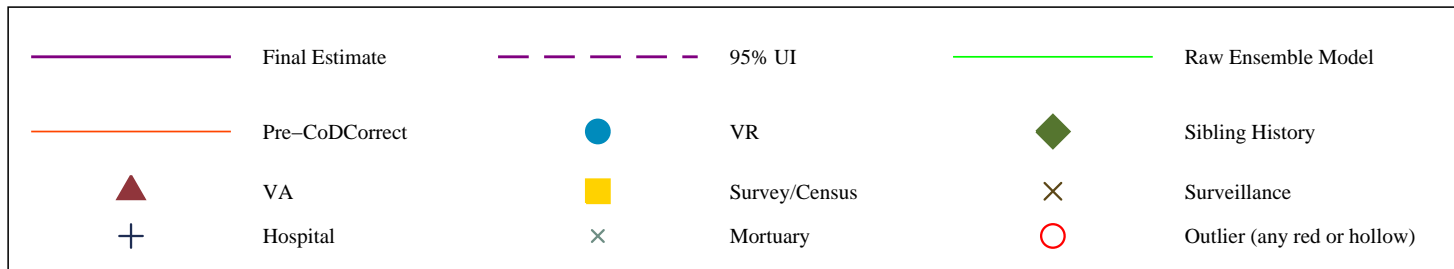
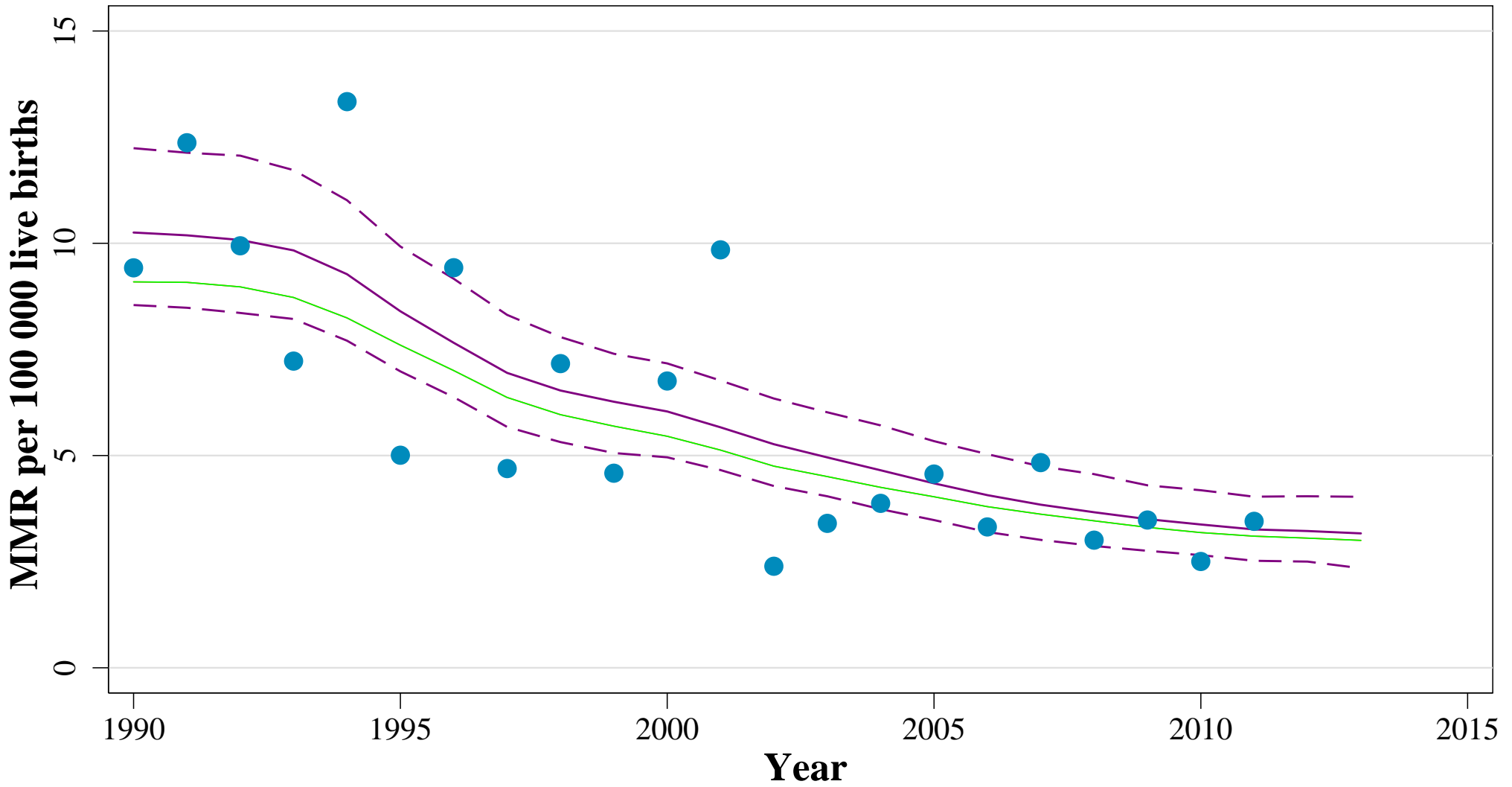
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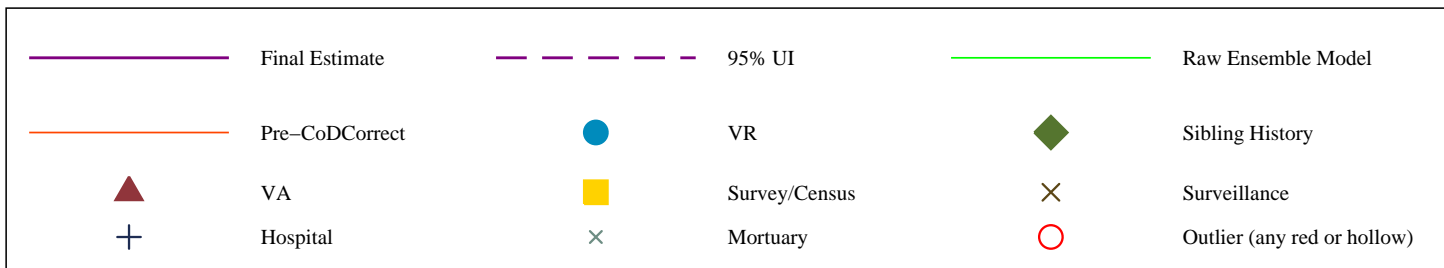
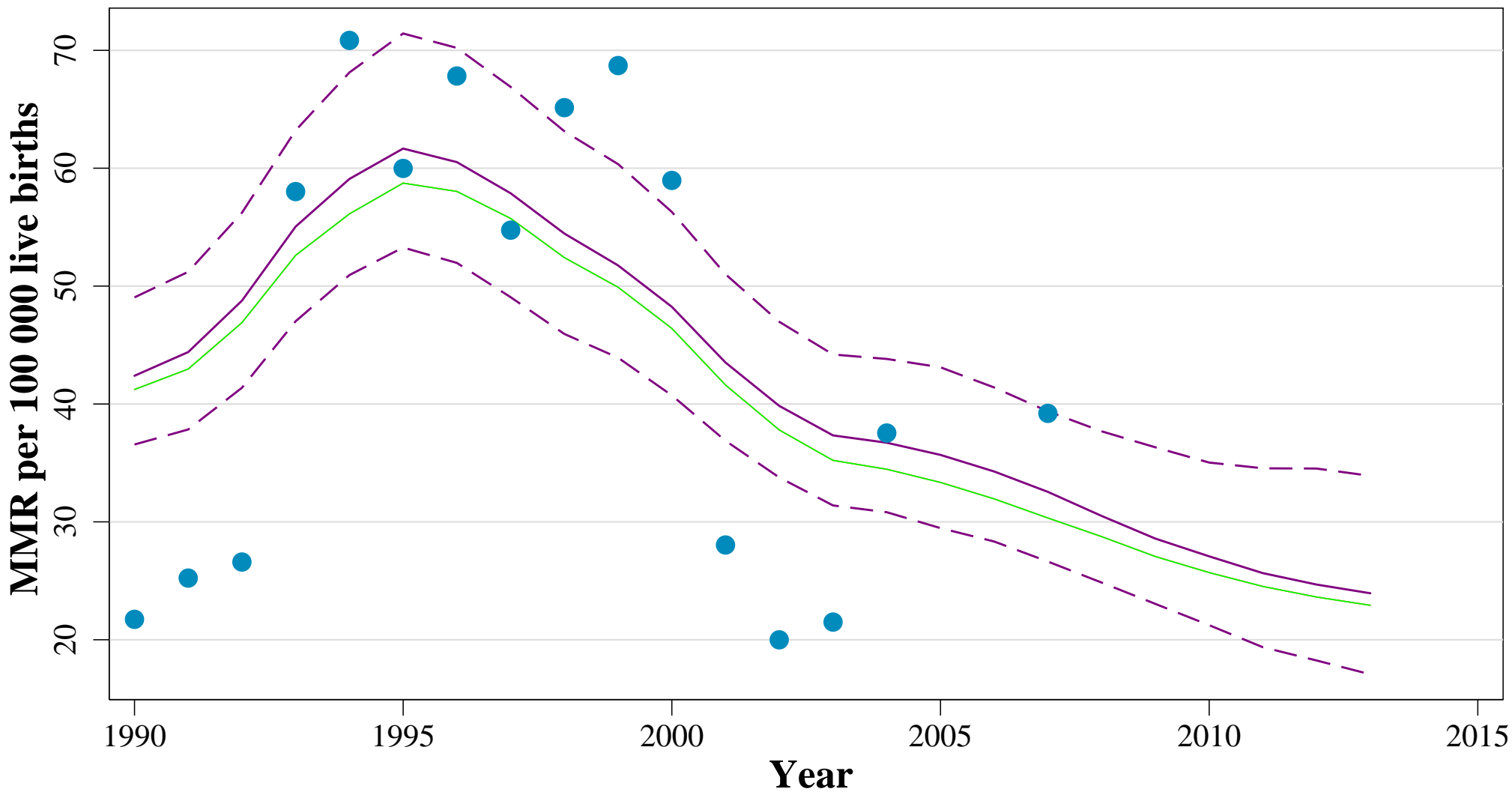
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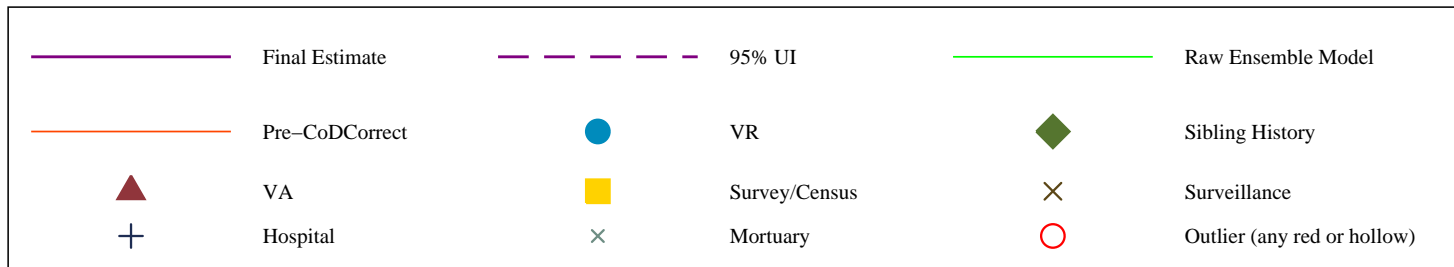
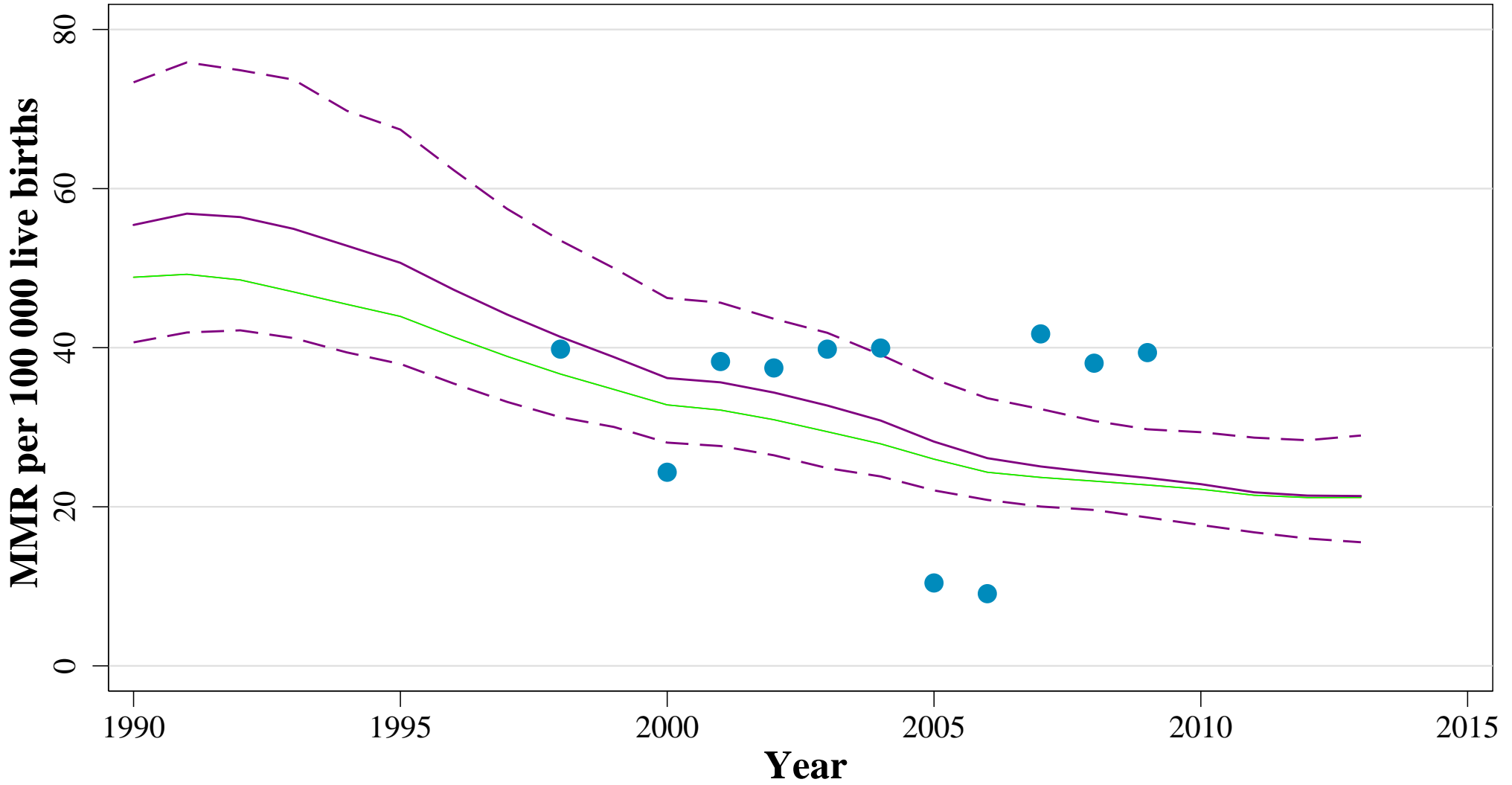
Austria



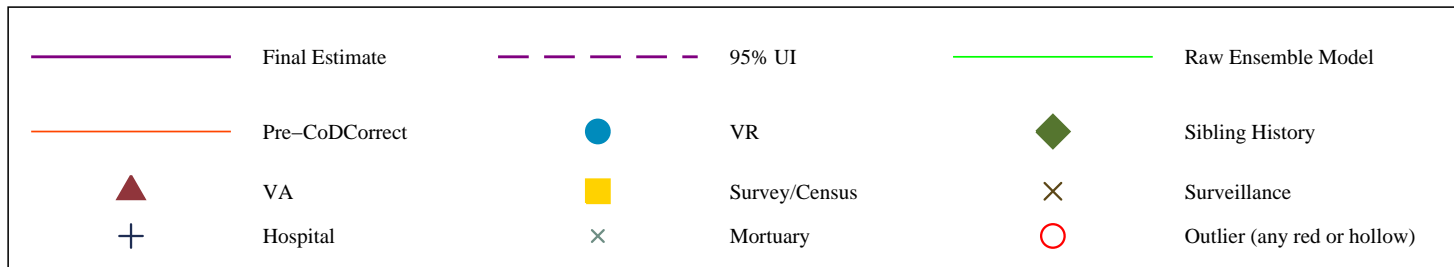
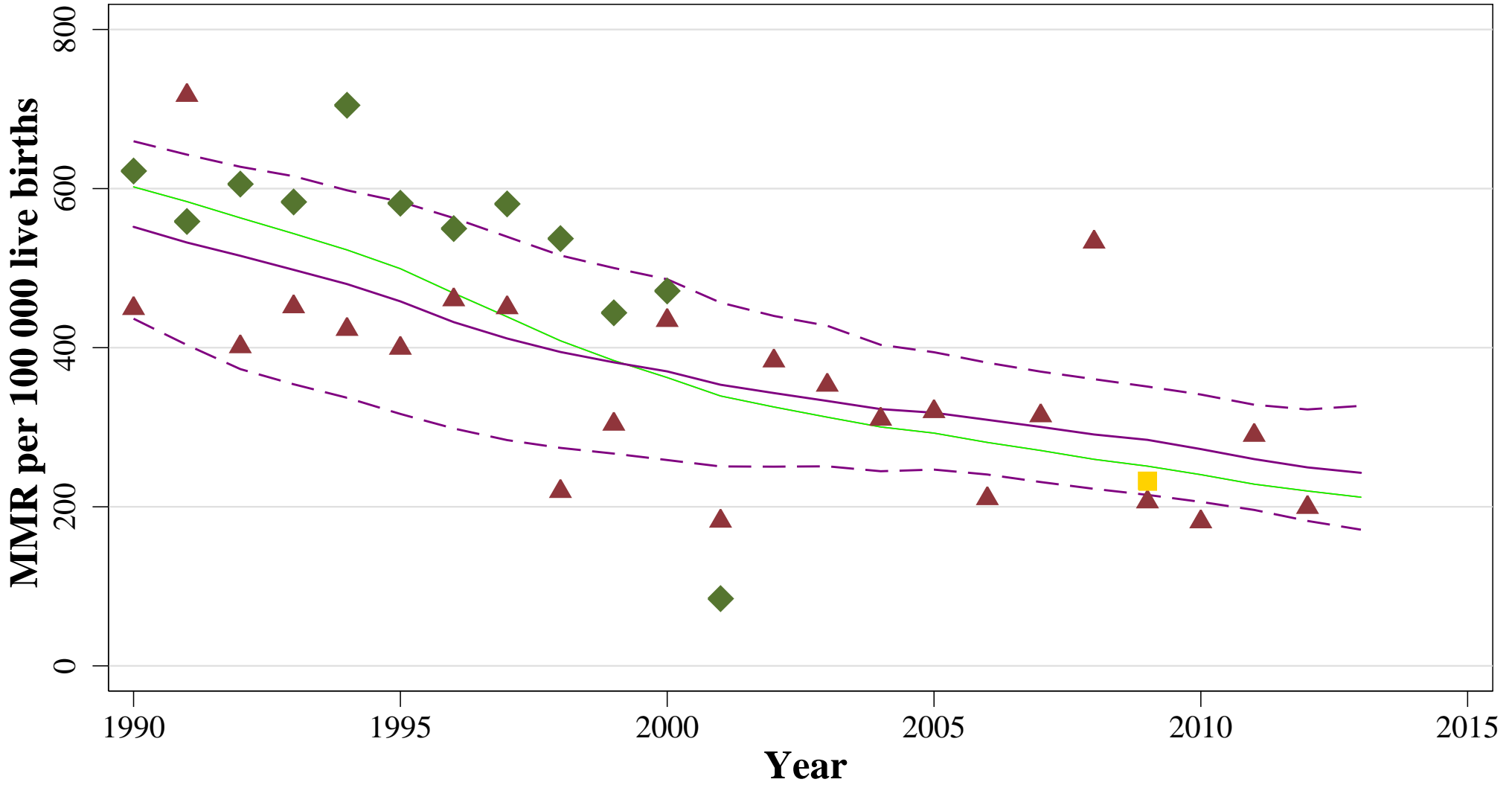
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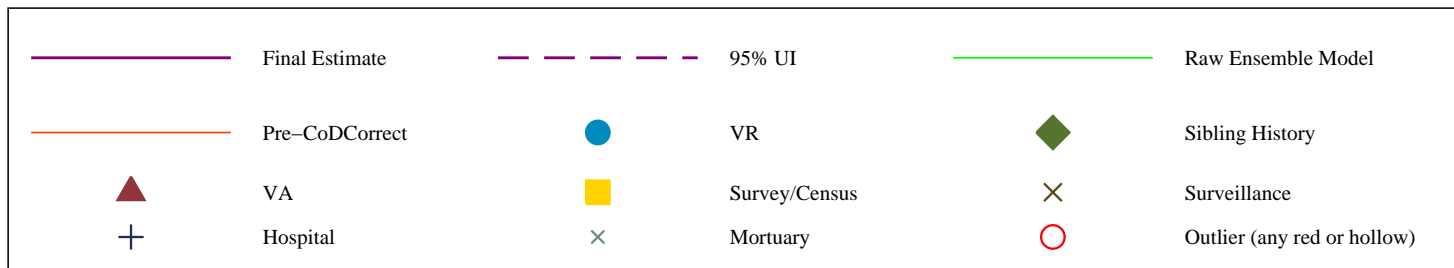
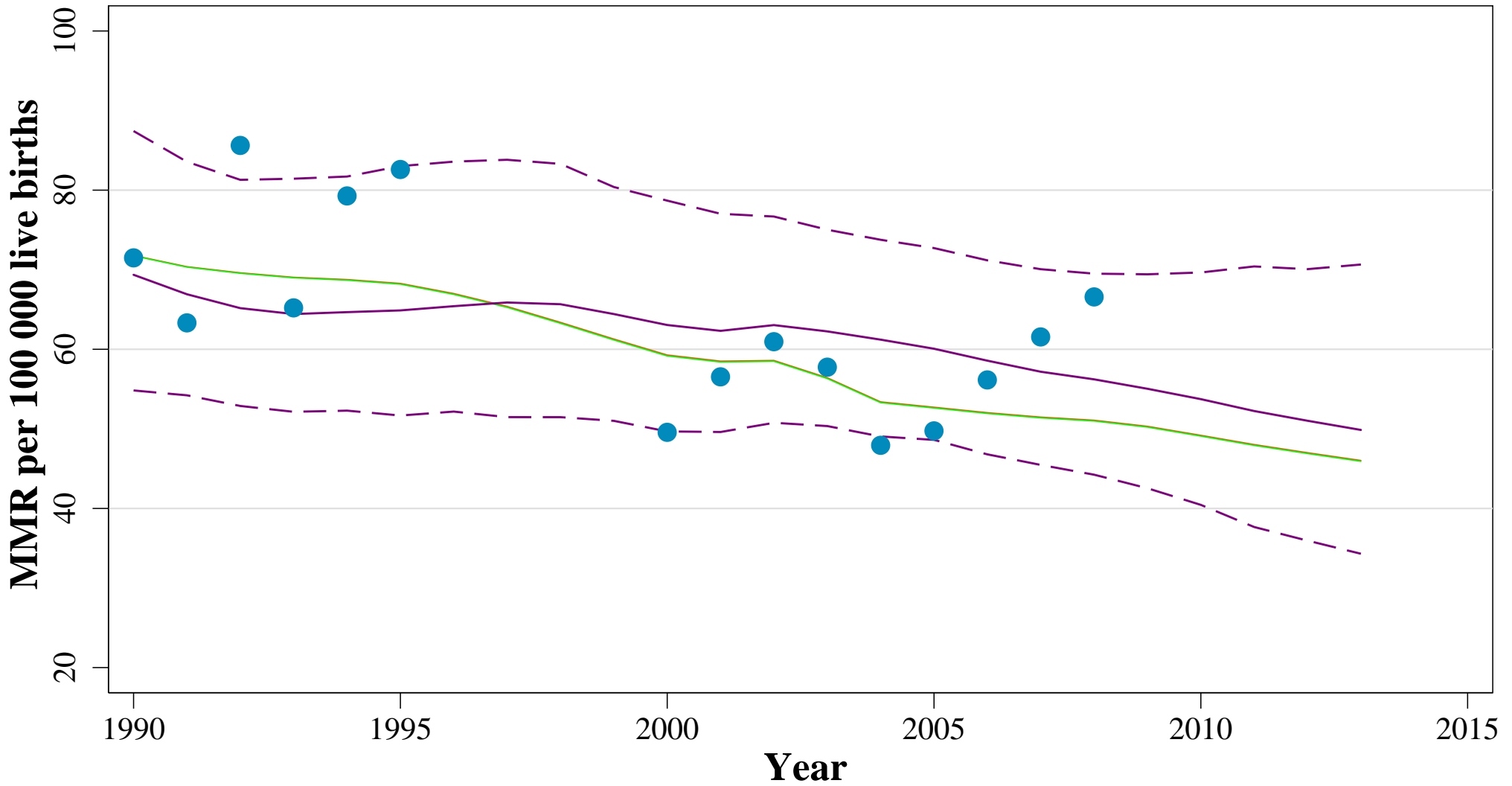
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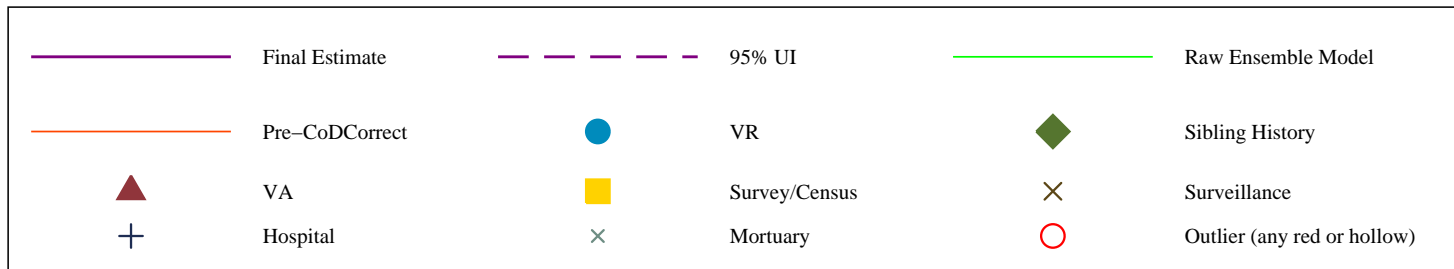
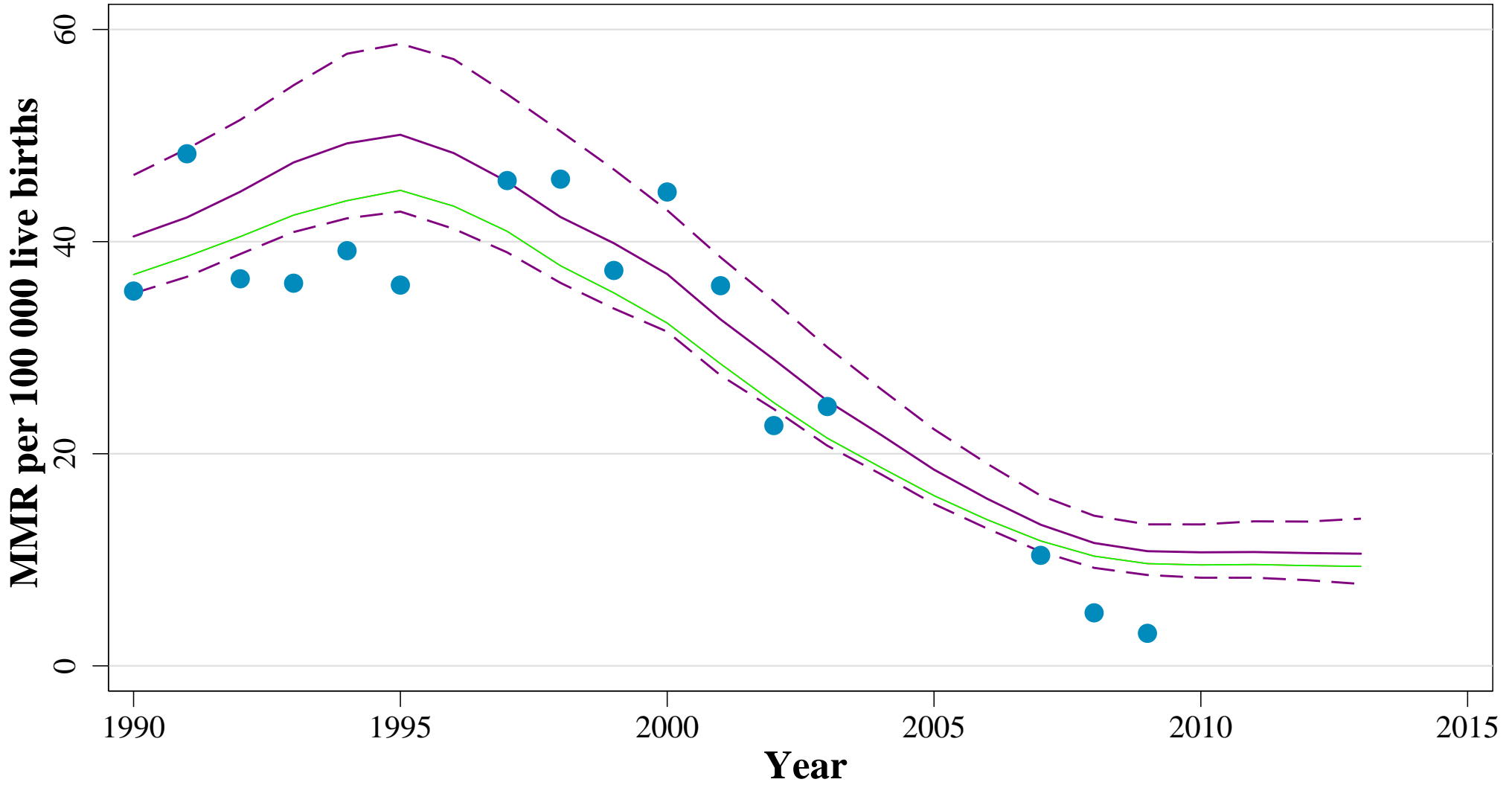
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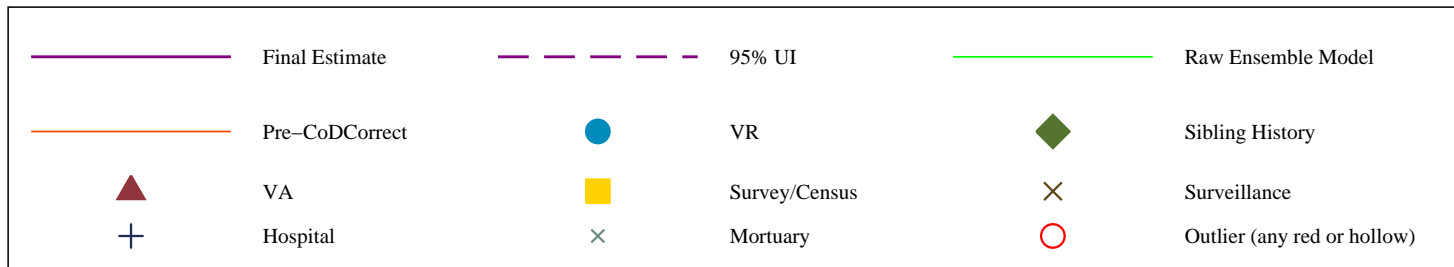
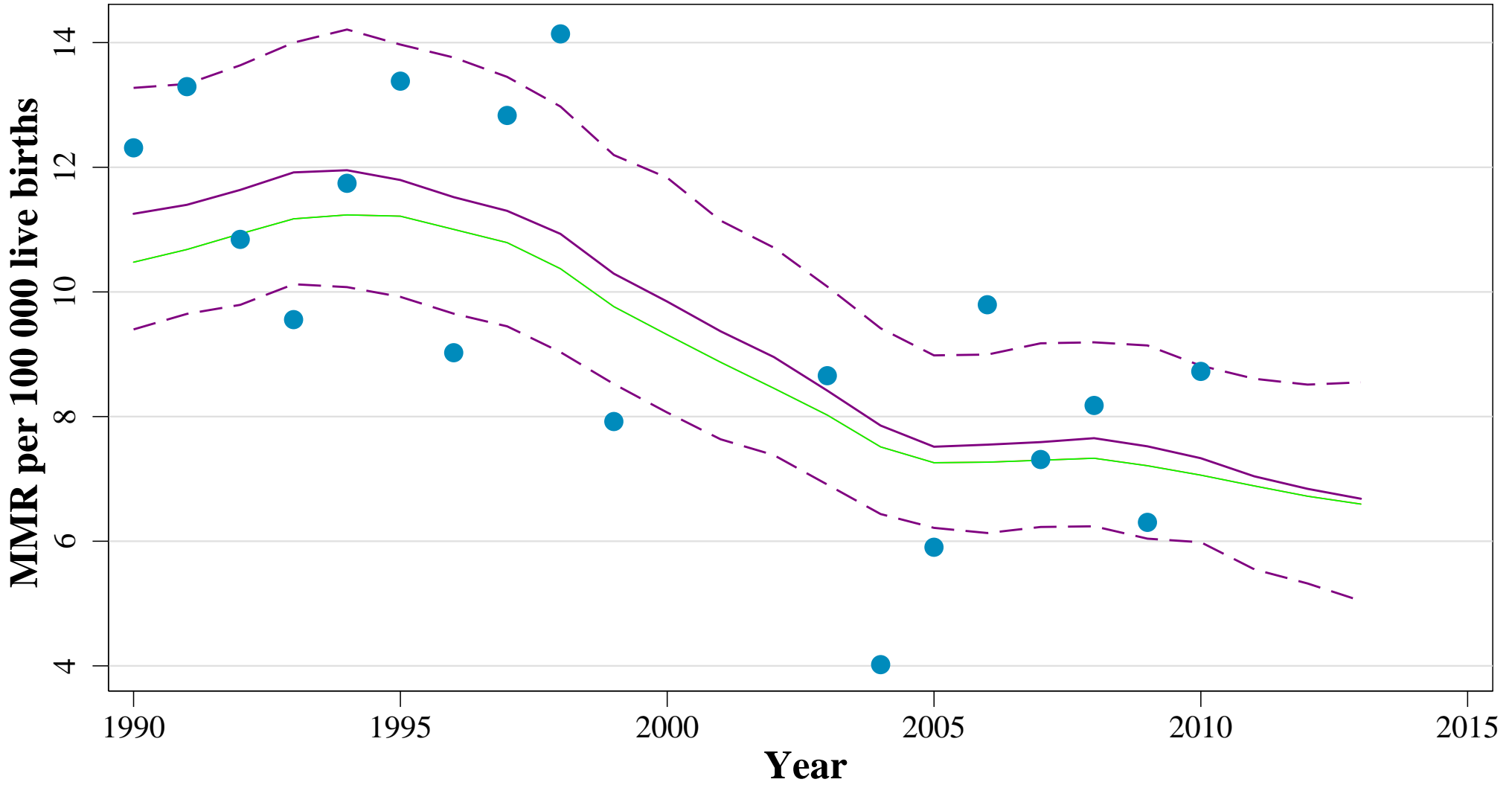
Barbados



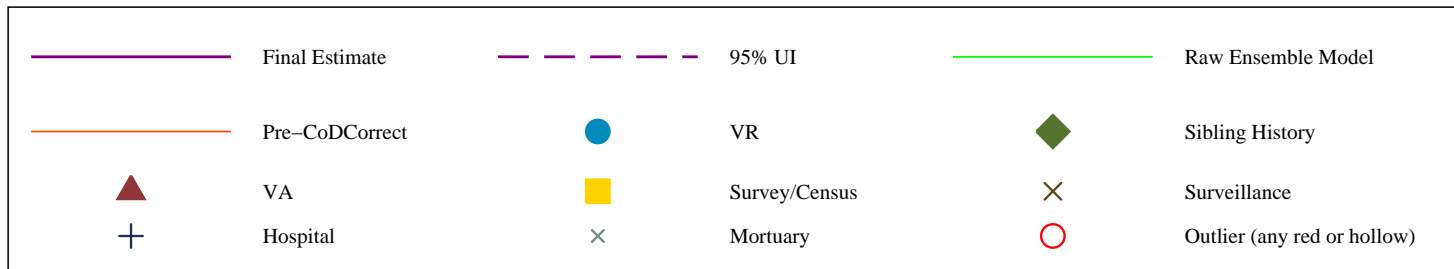
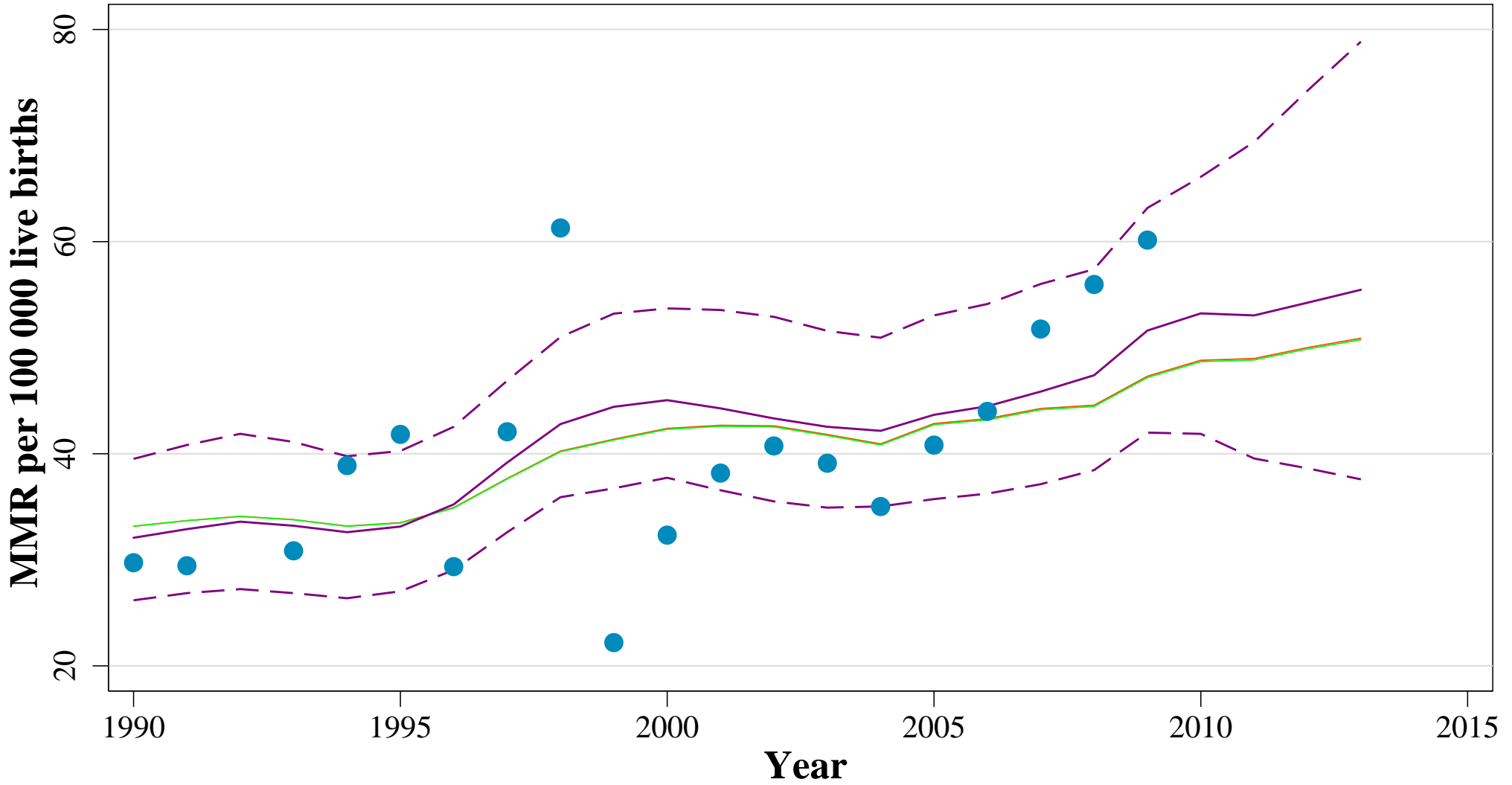
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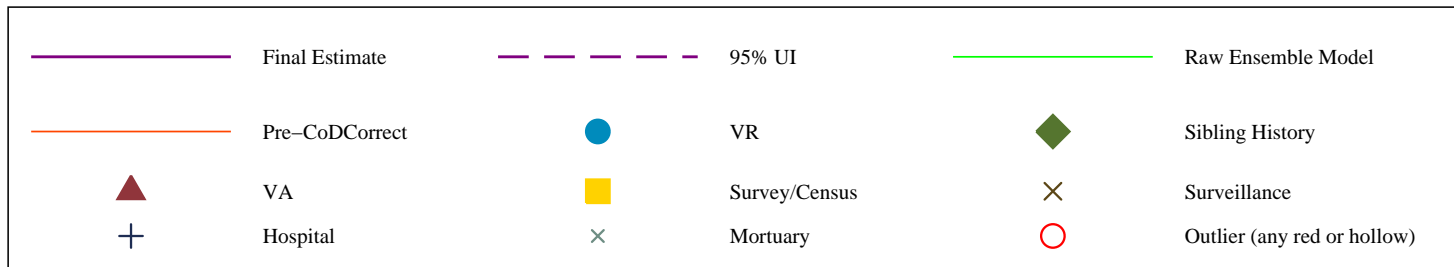
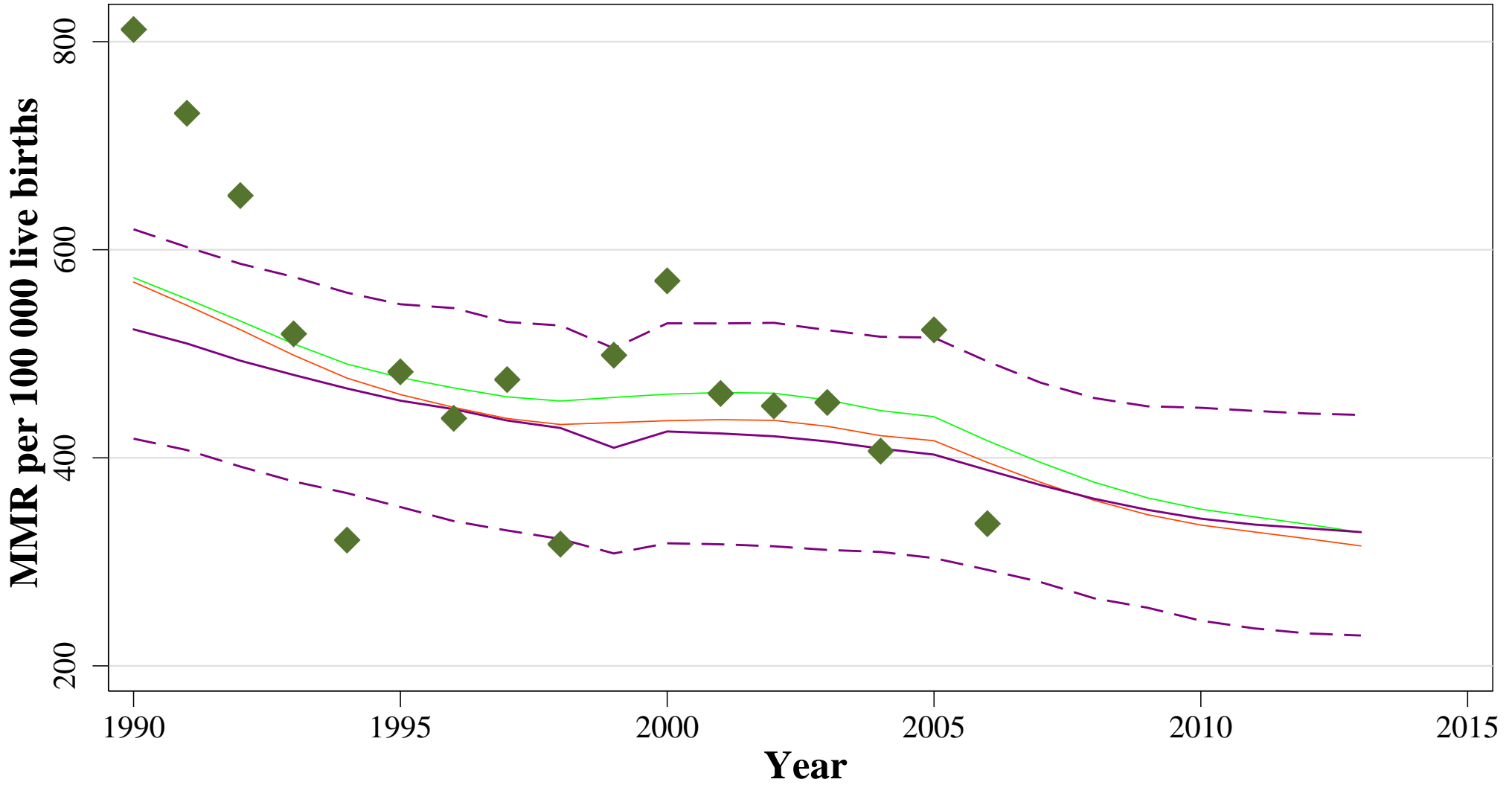
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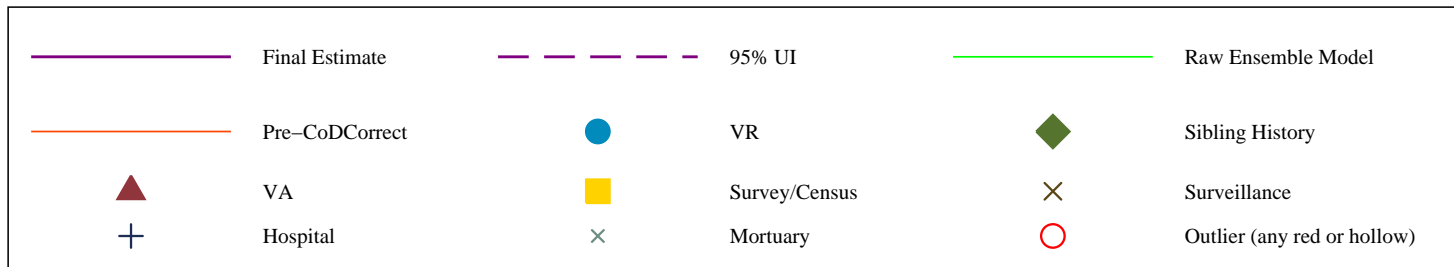
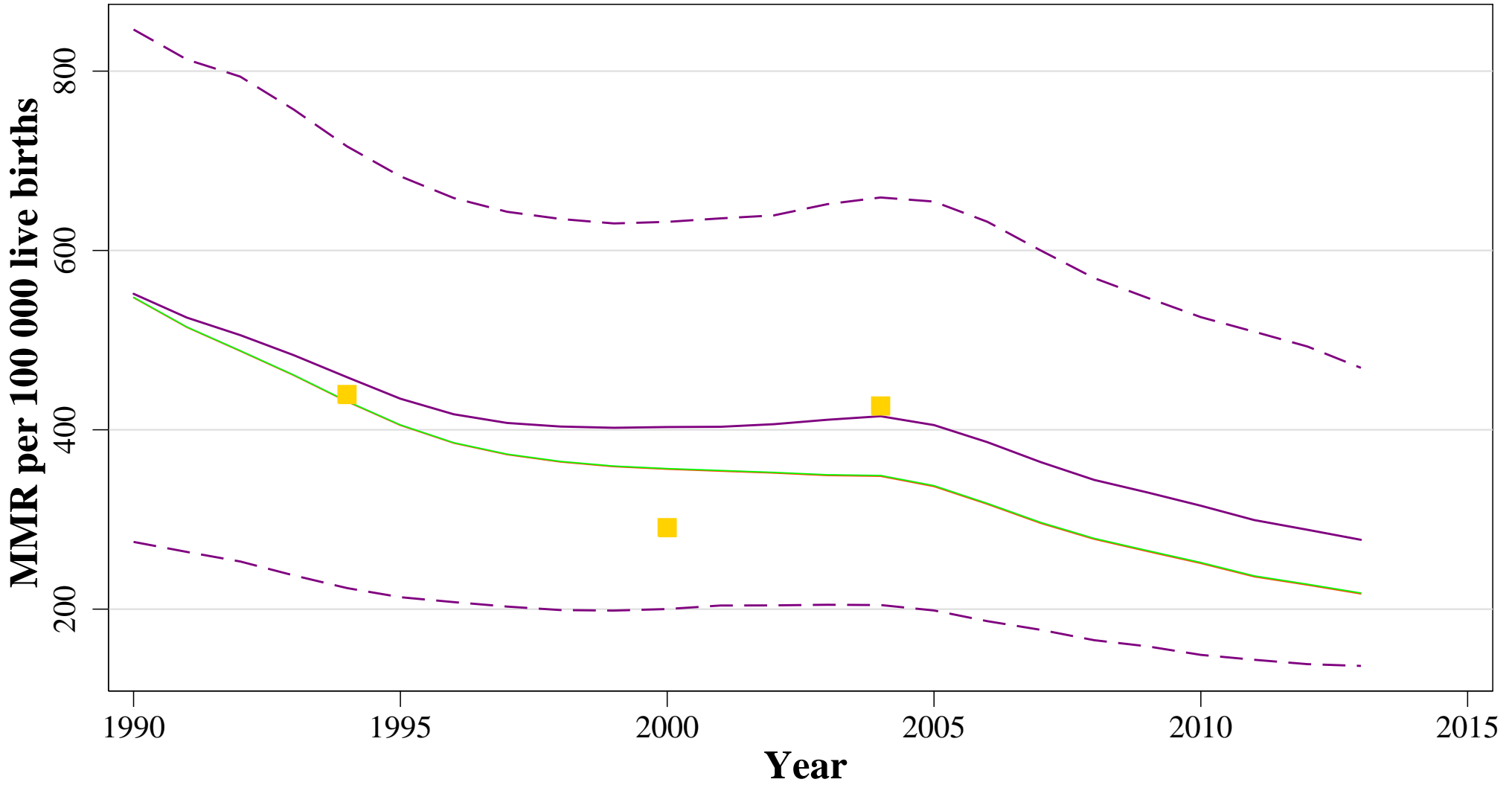
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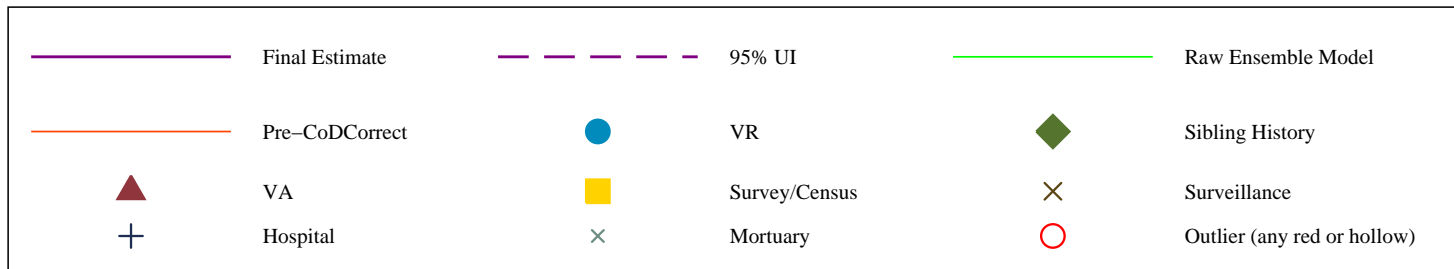
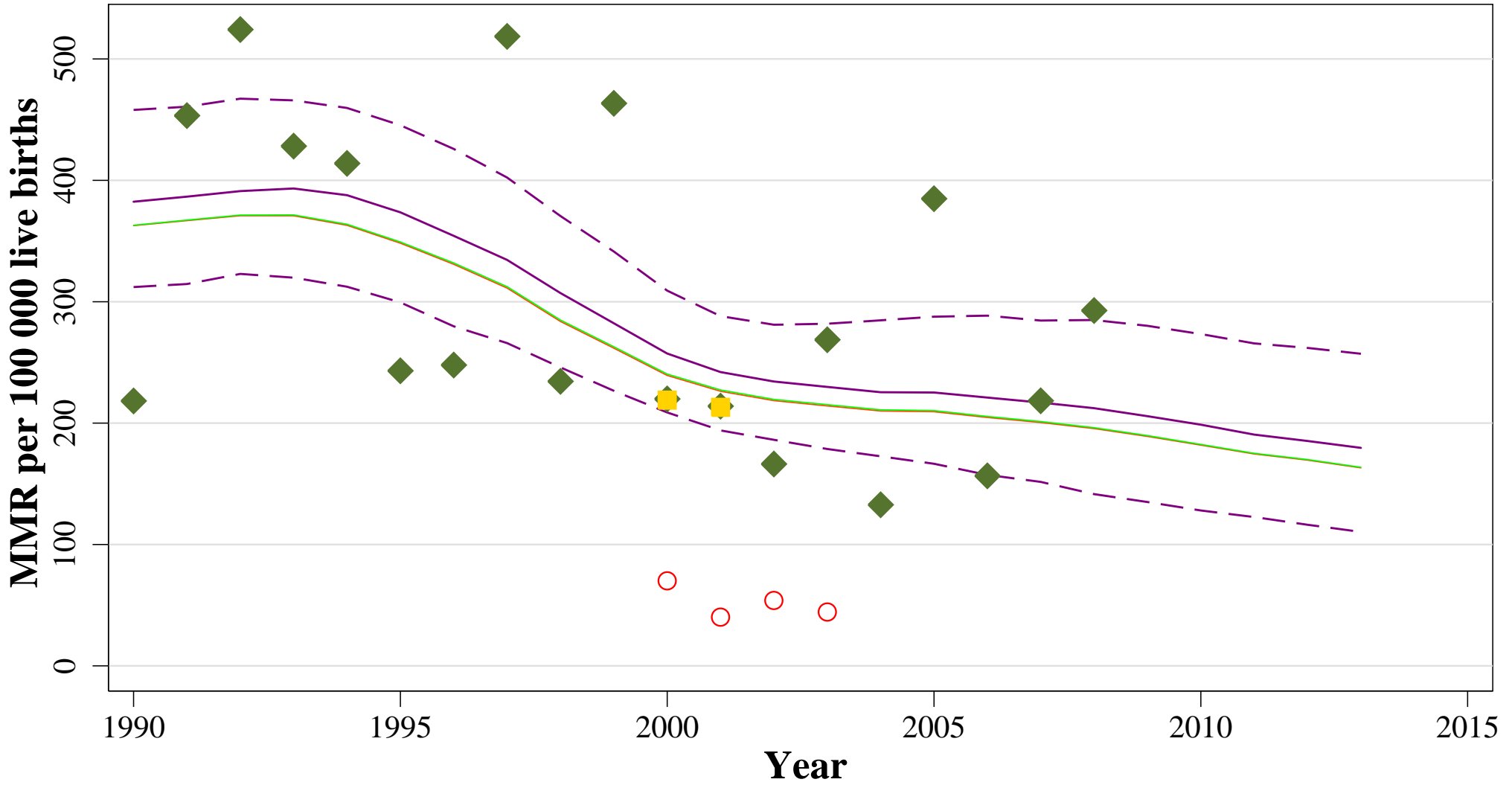
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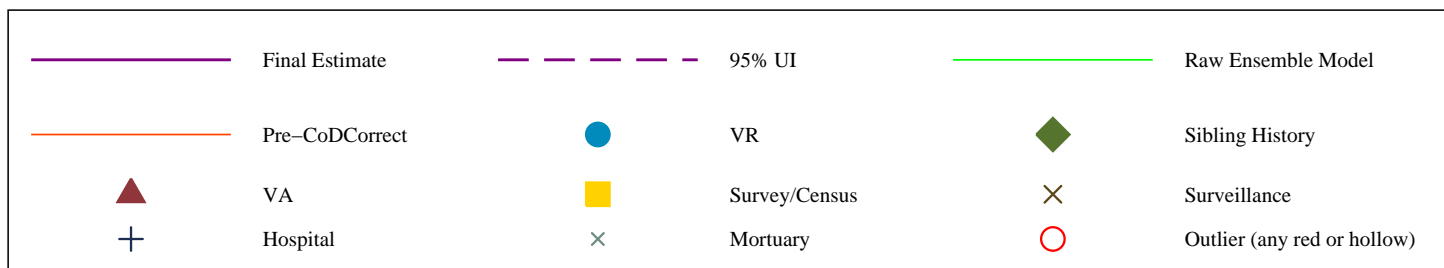
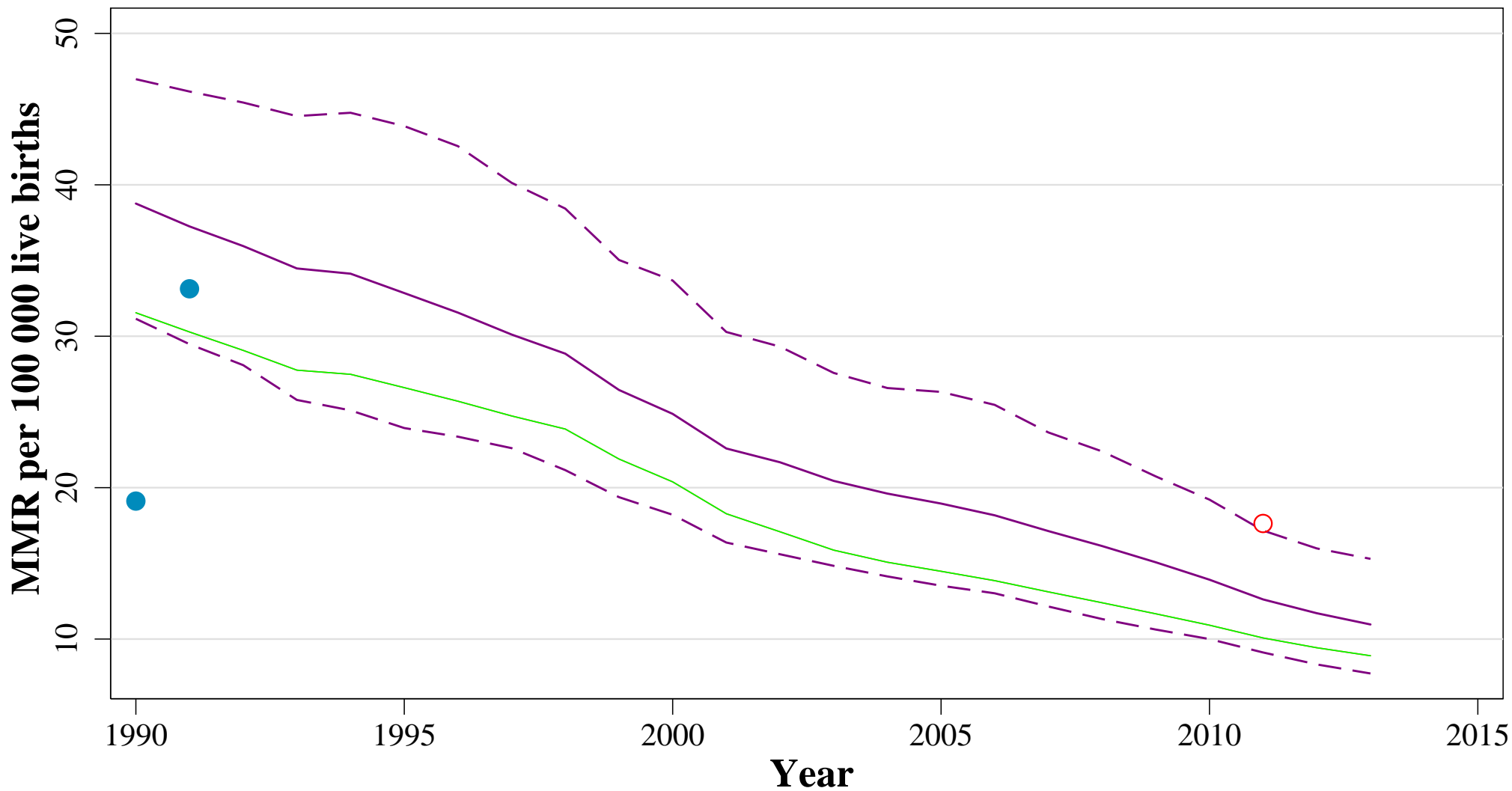
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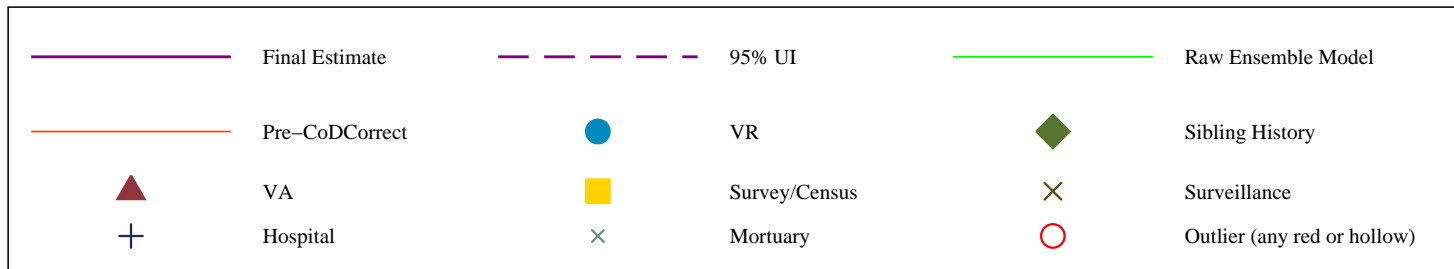
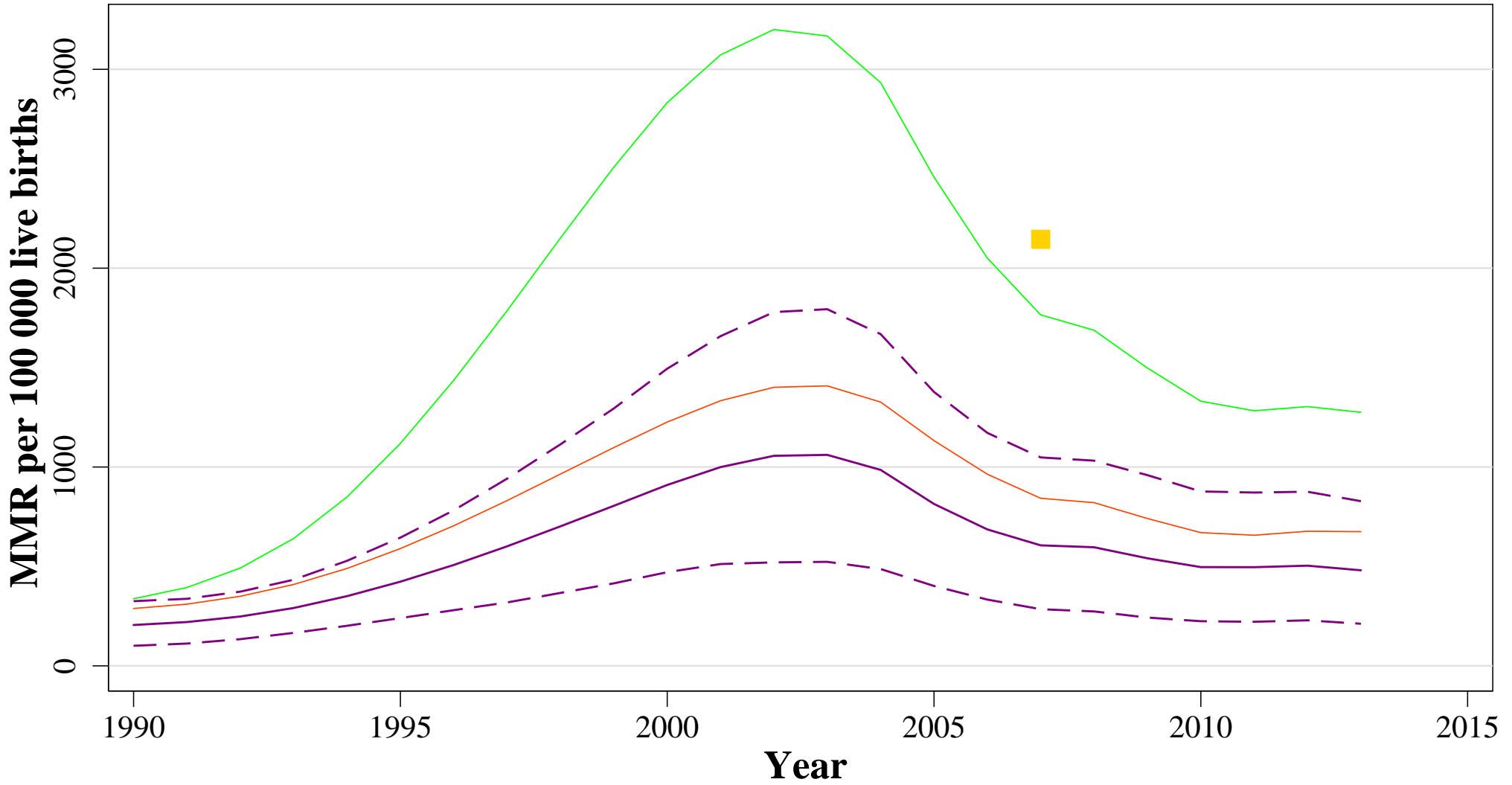
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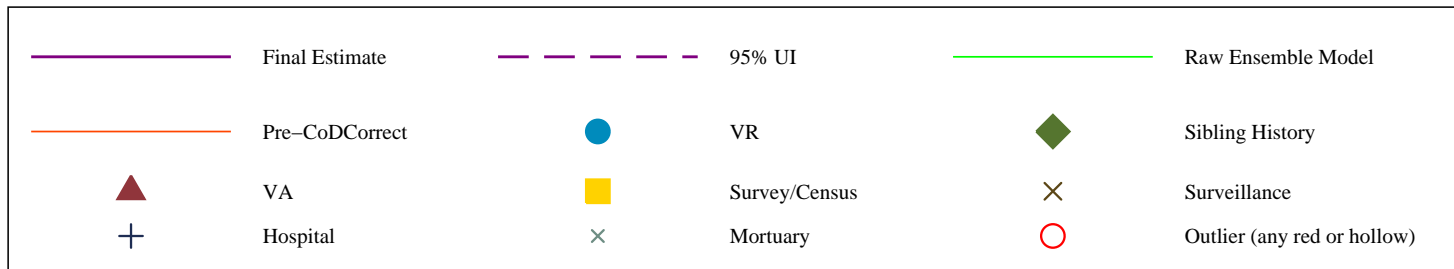
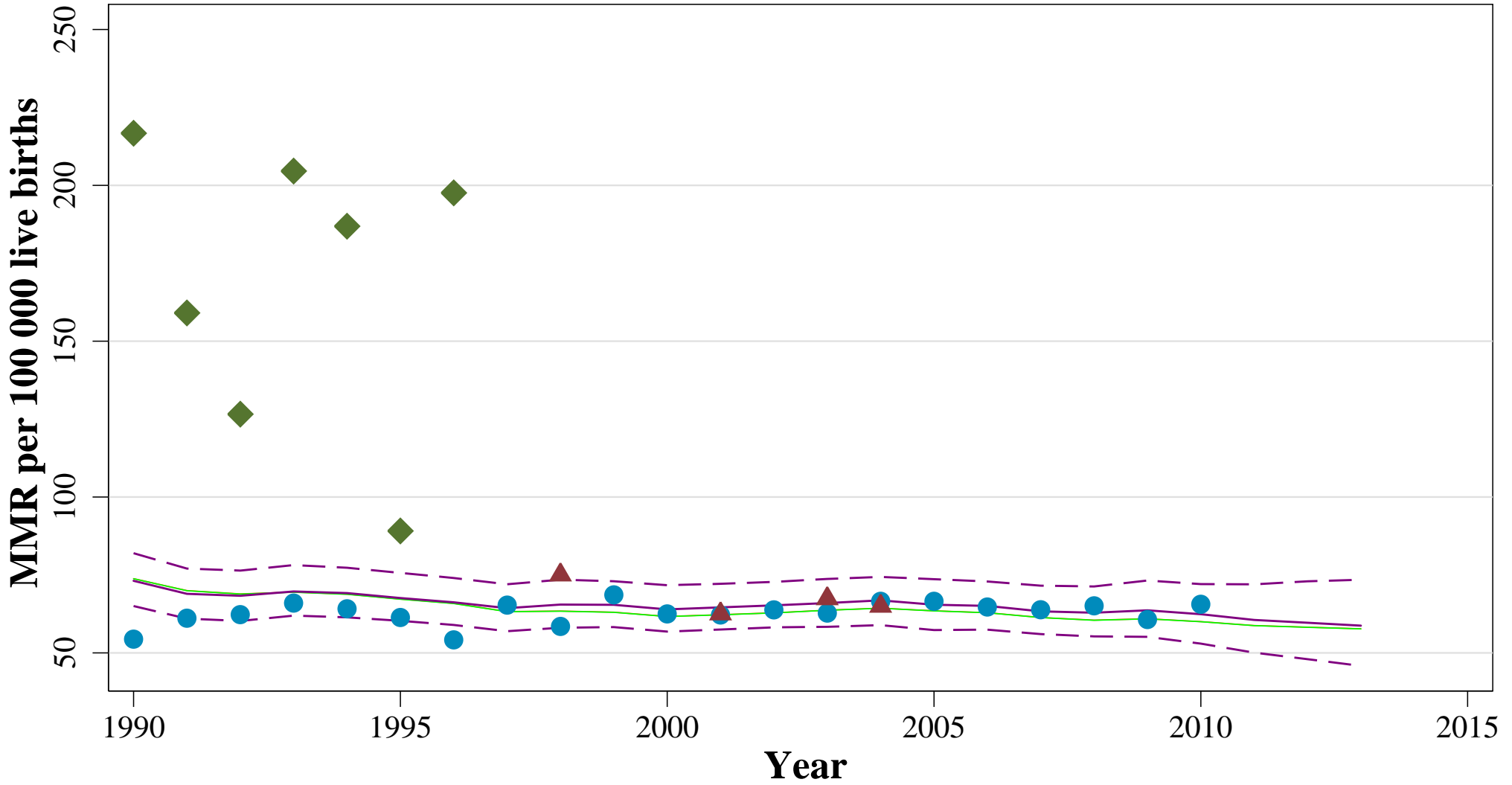
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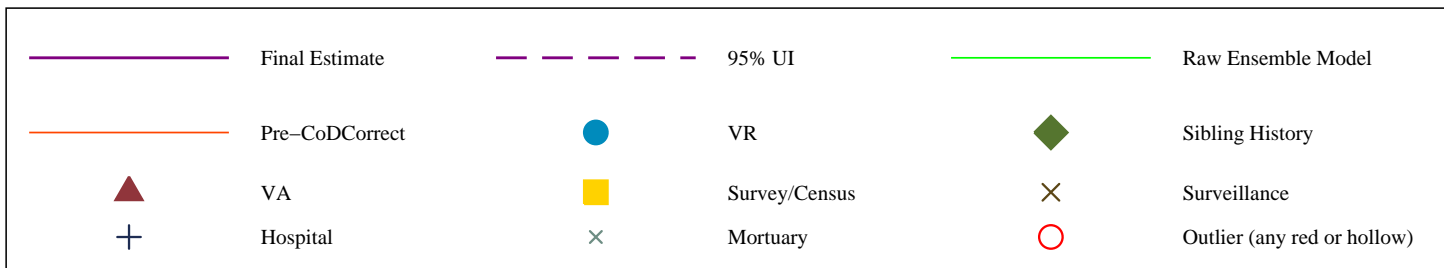
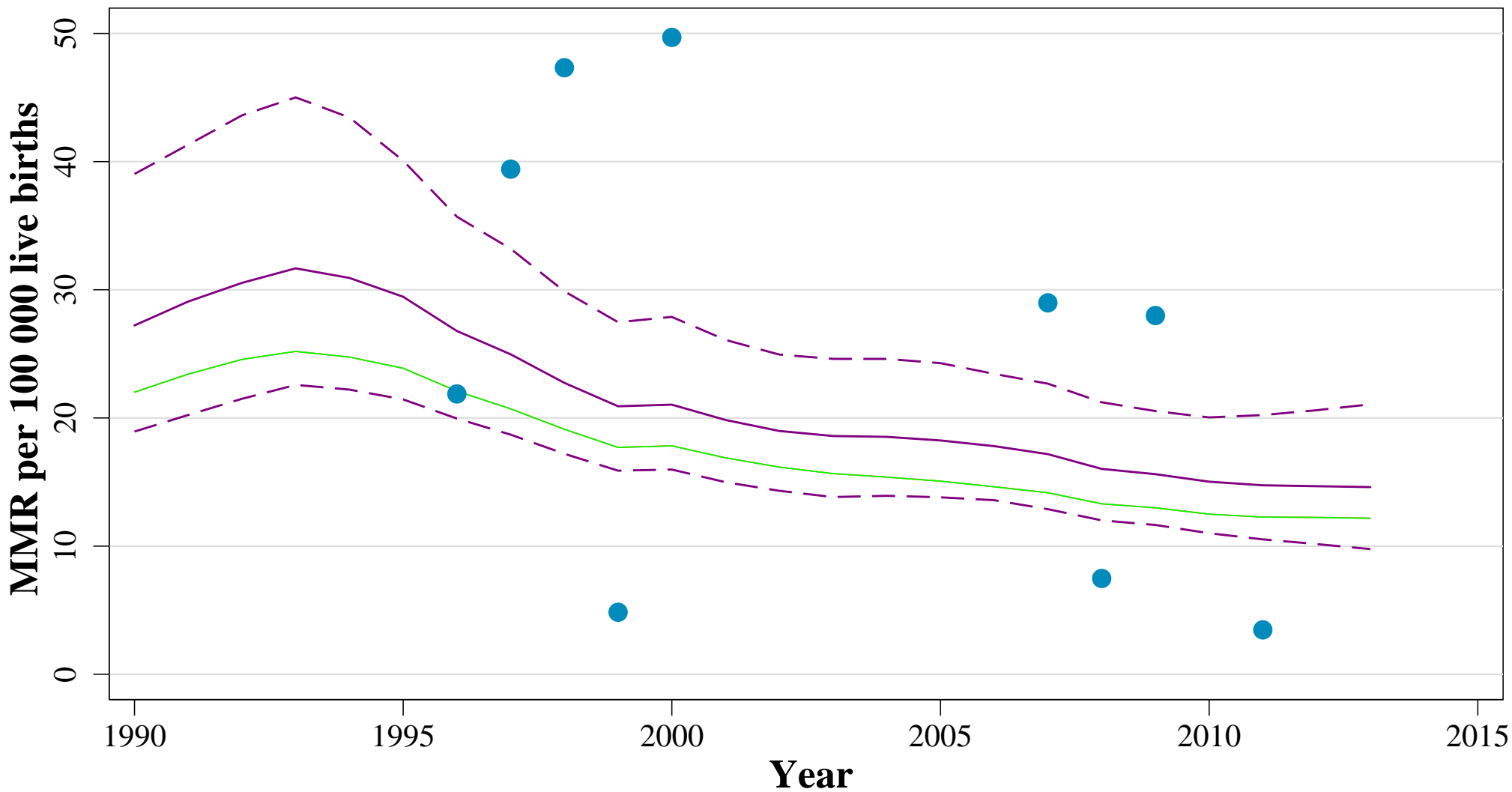
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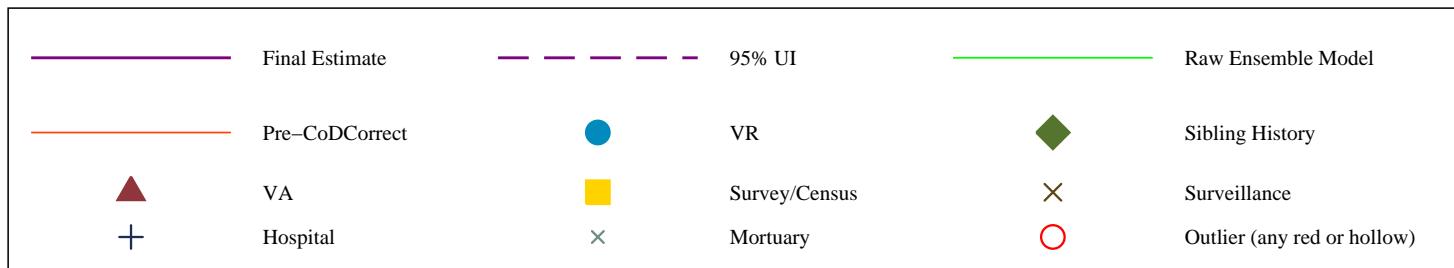
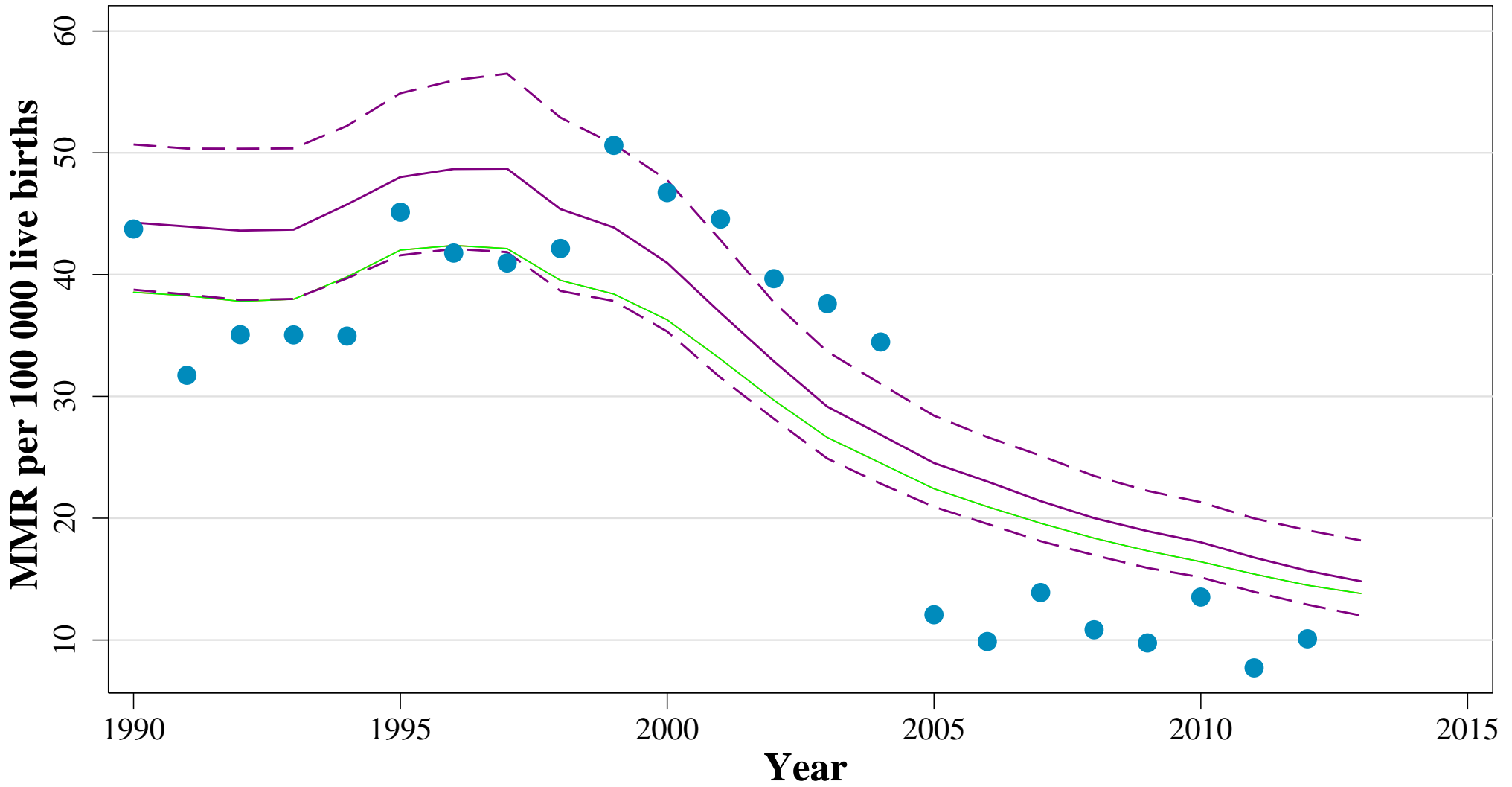
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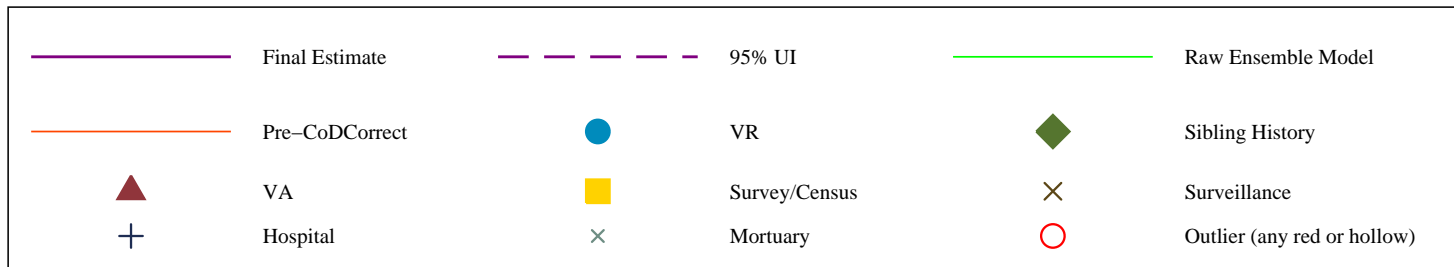
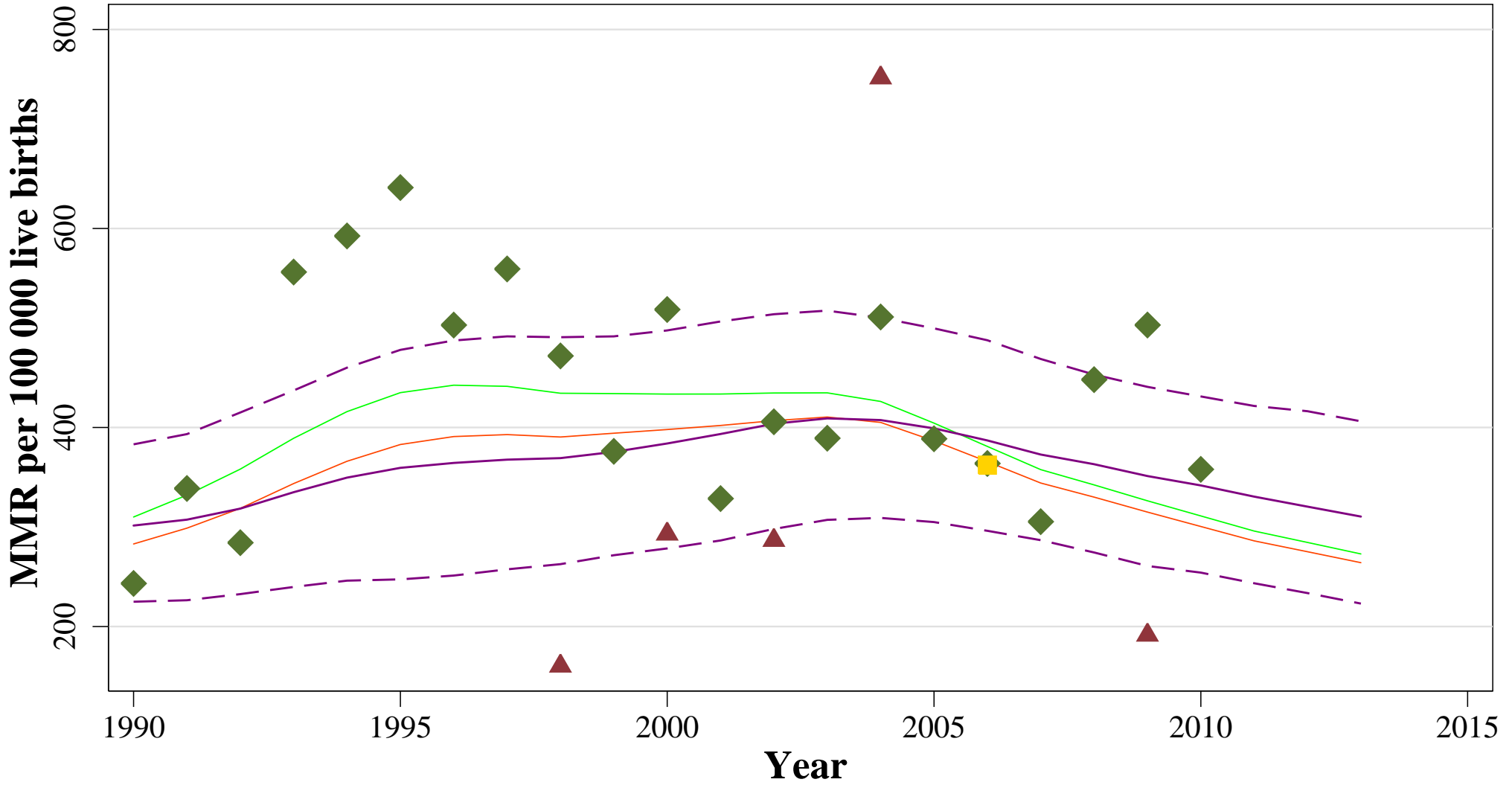
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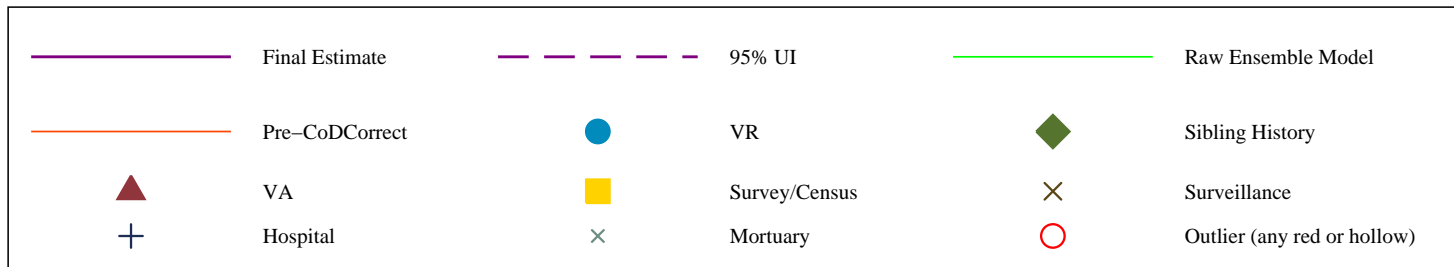
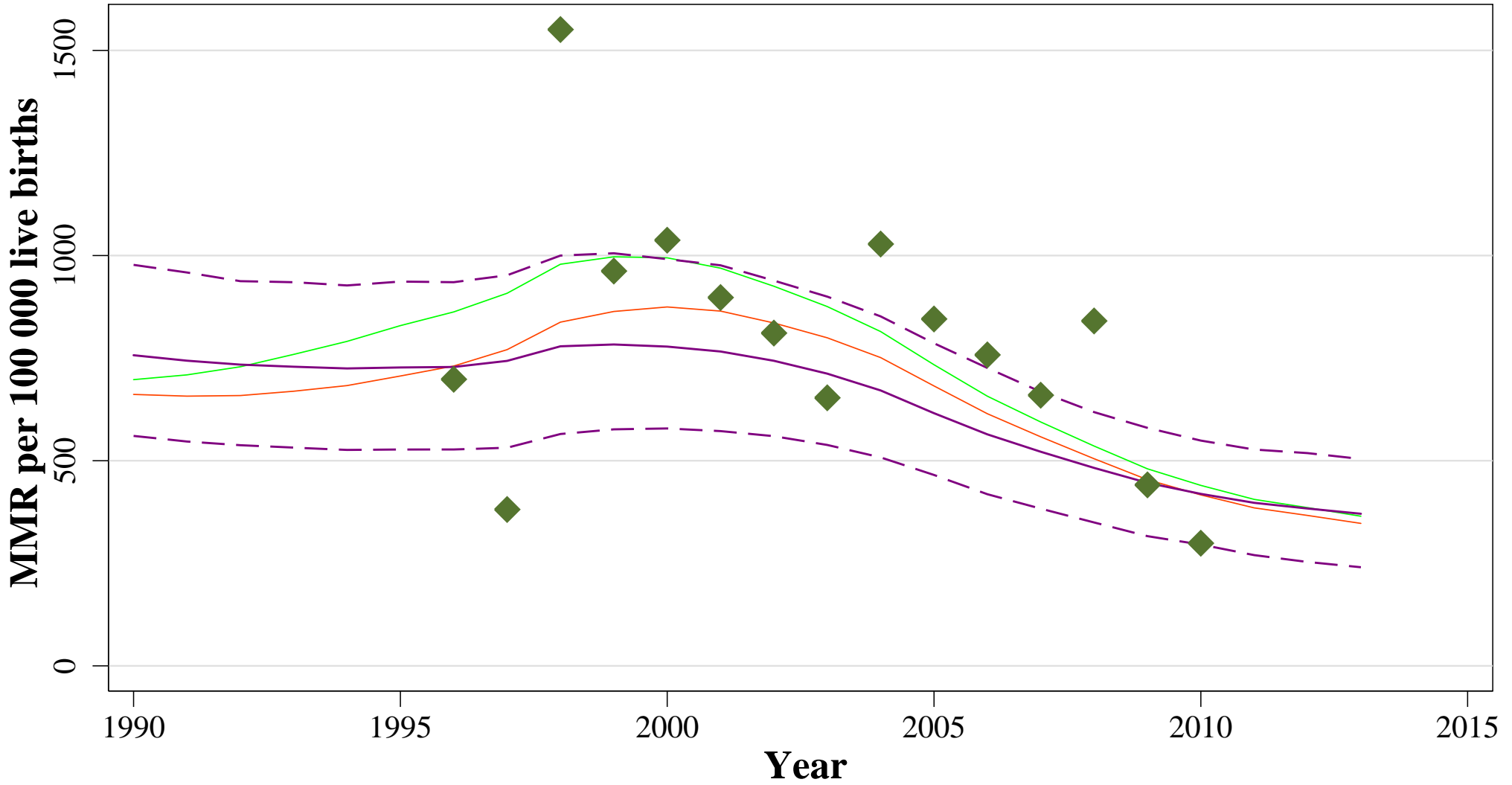
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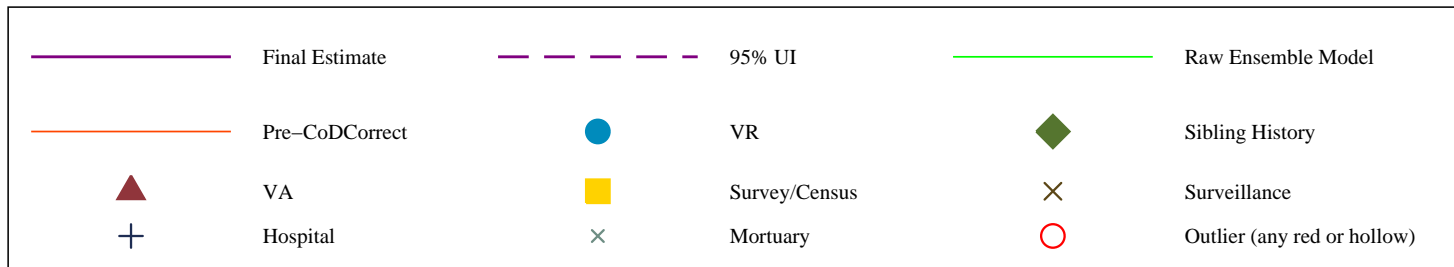
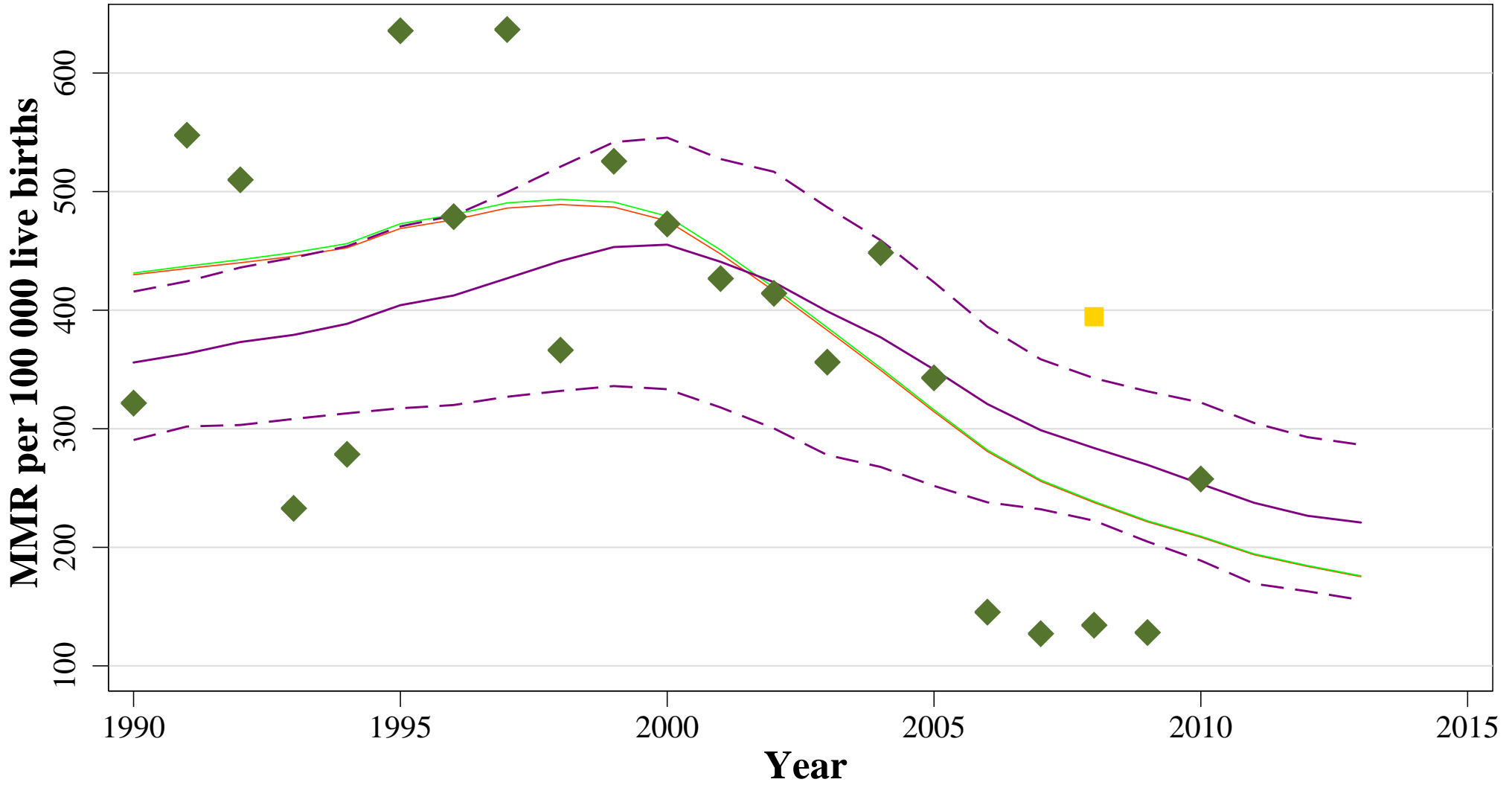
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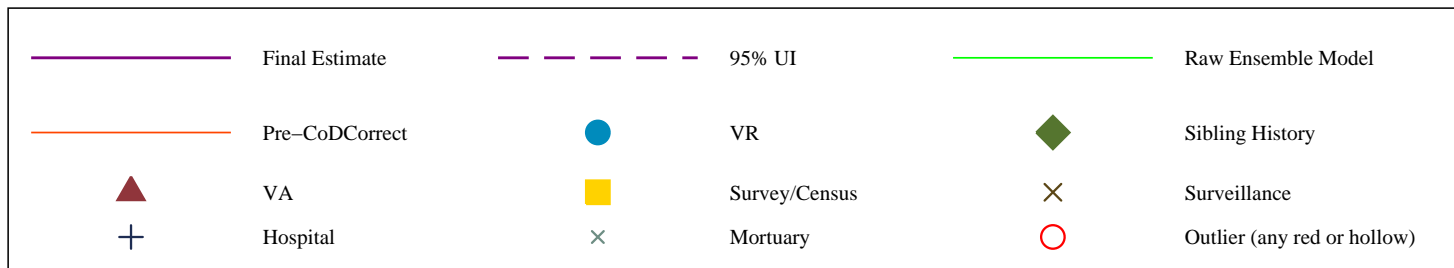
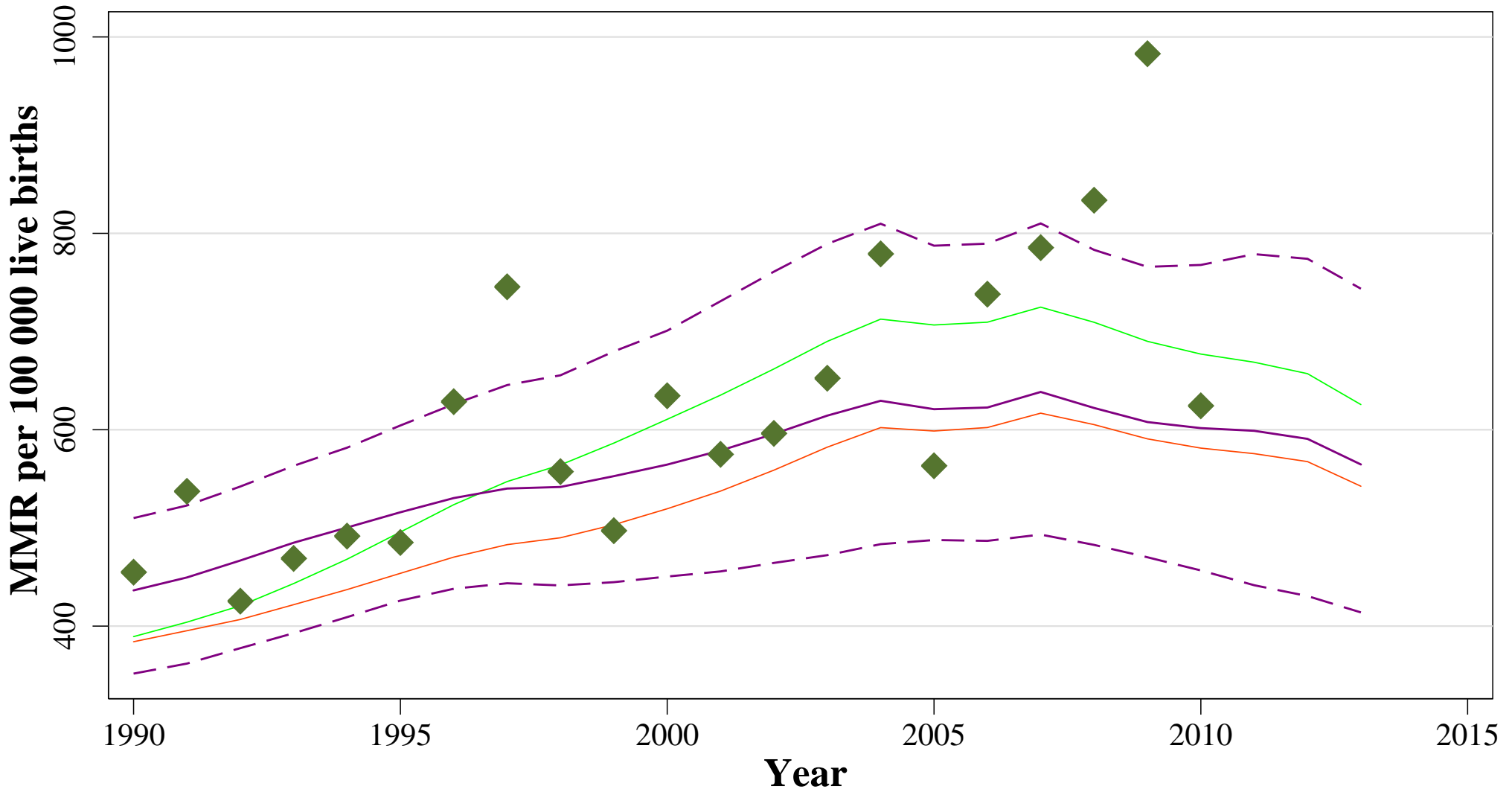
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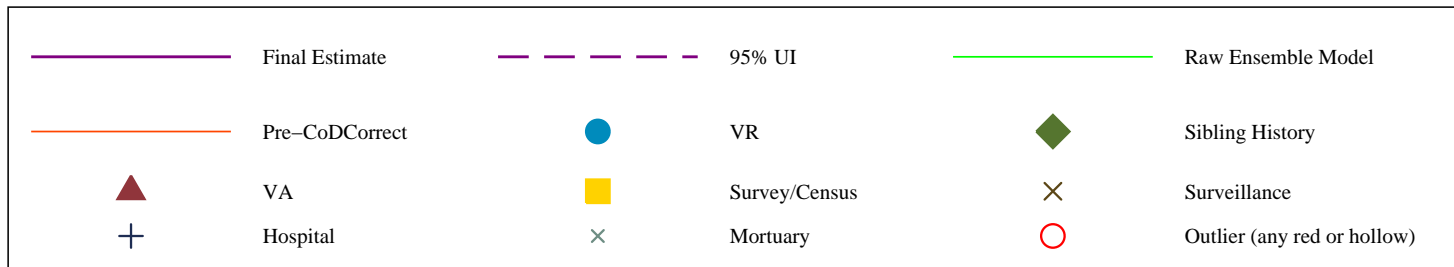
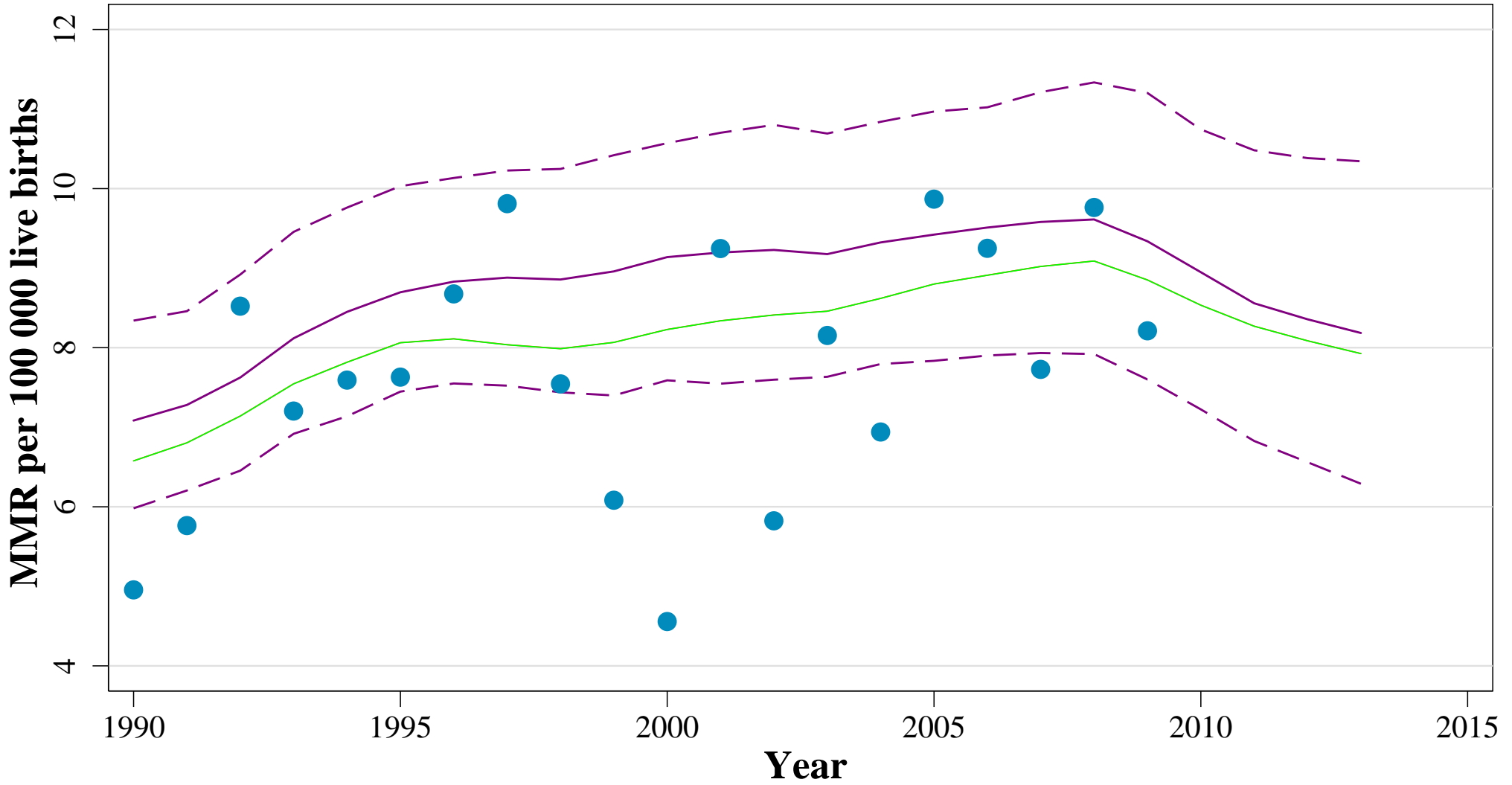
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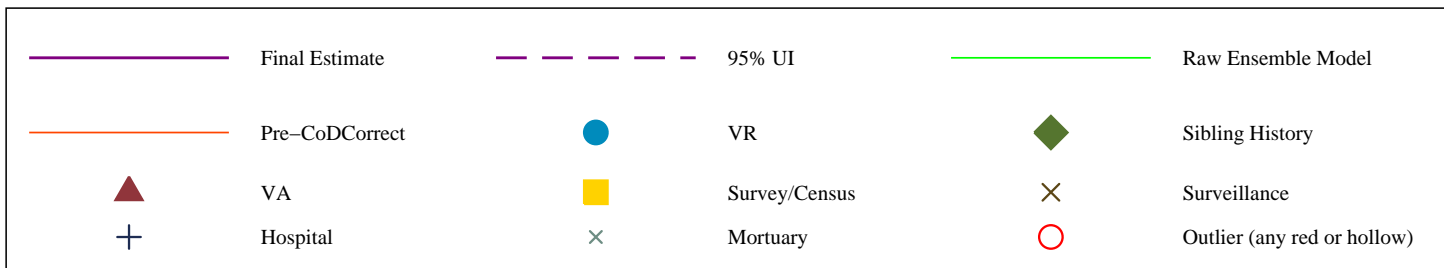
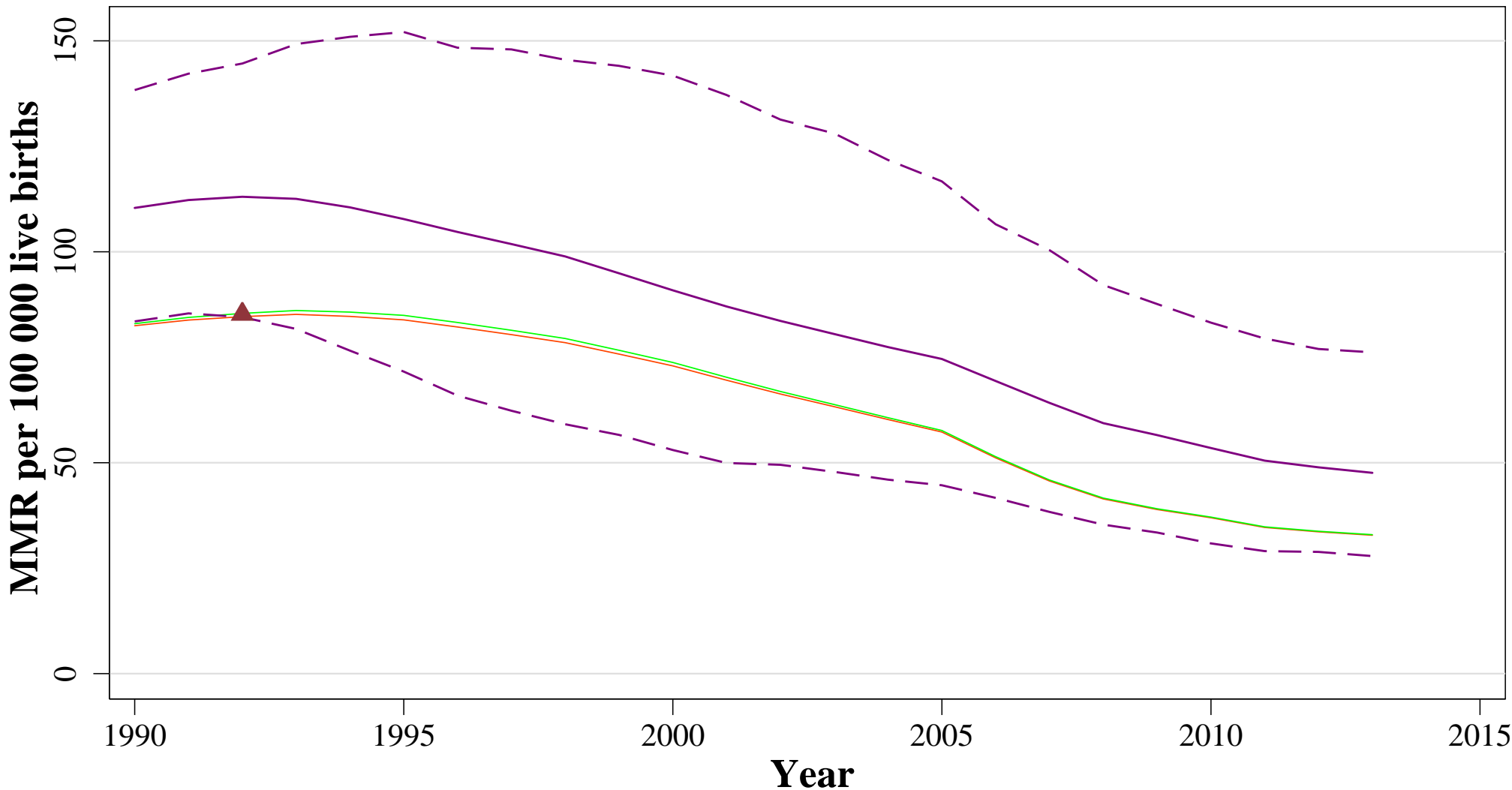
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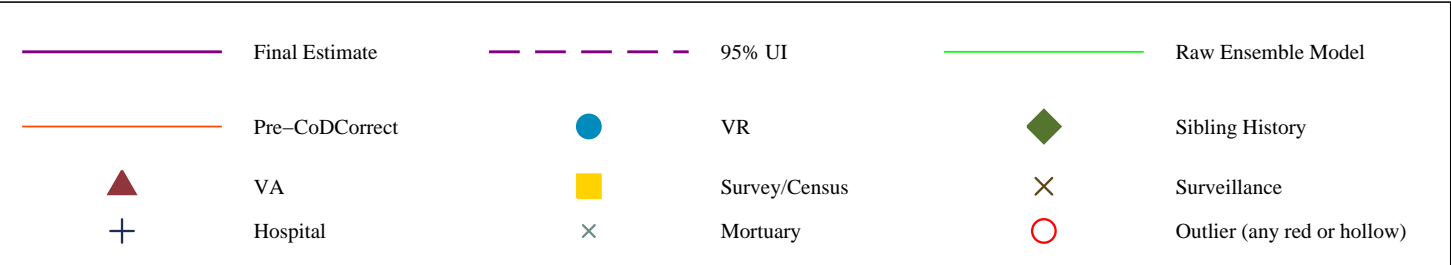
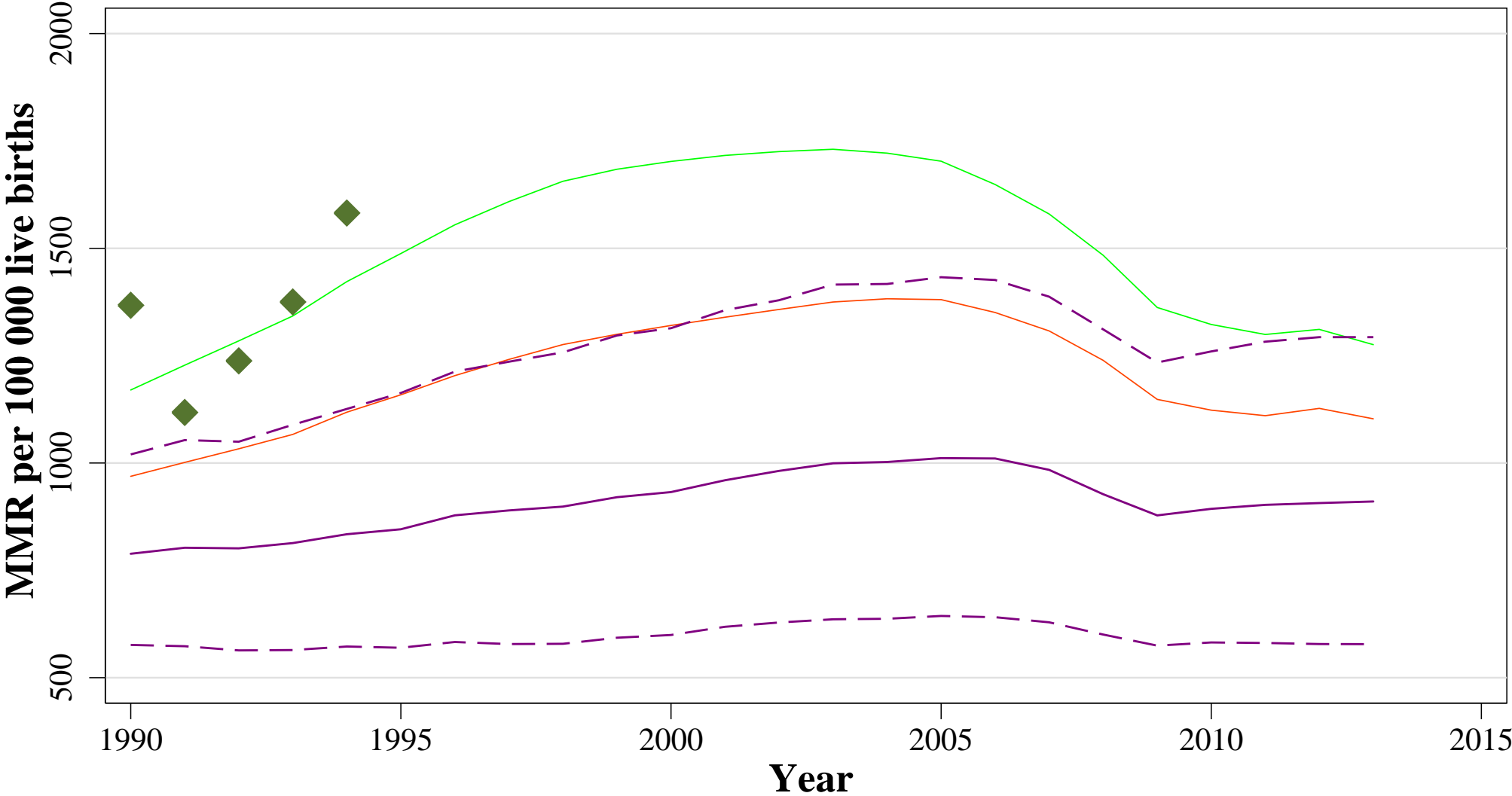
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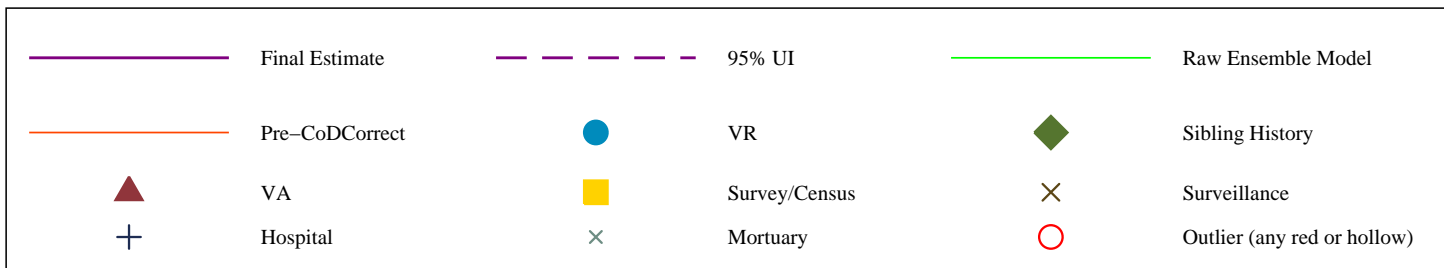
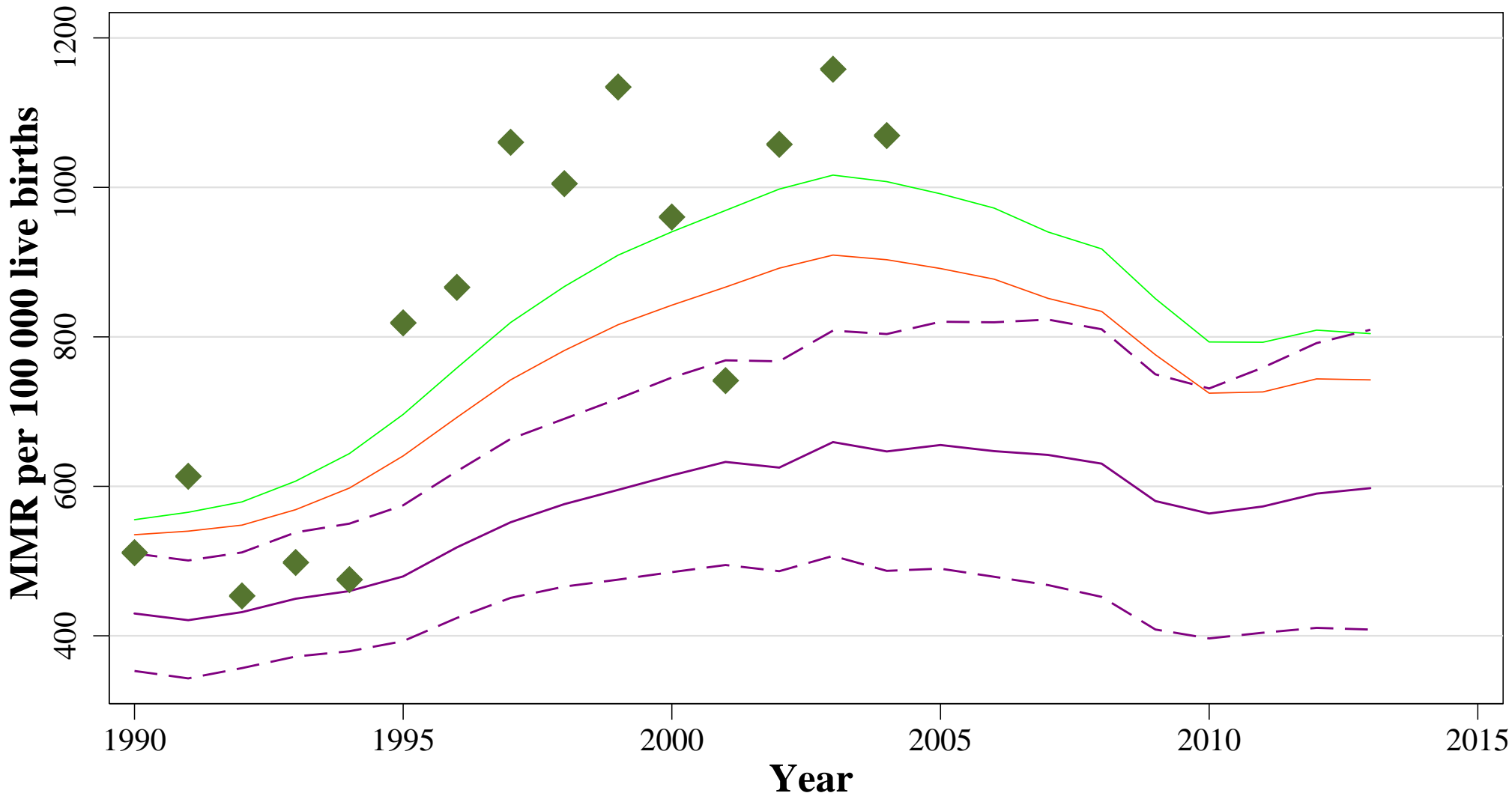
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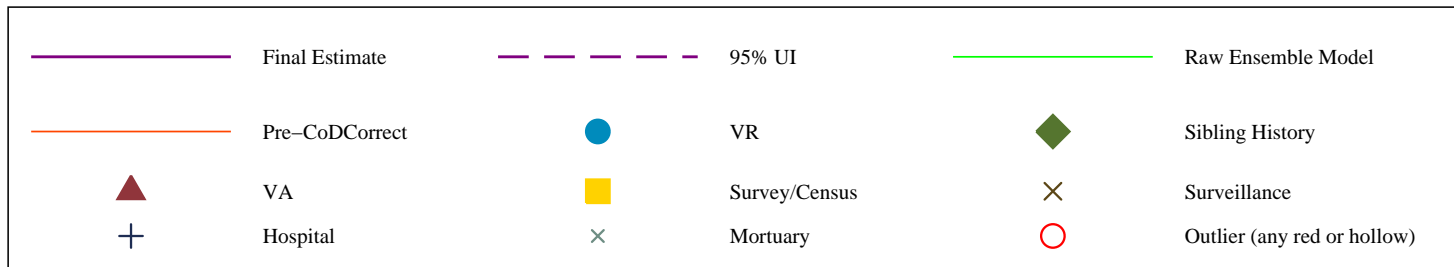
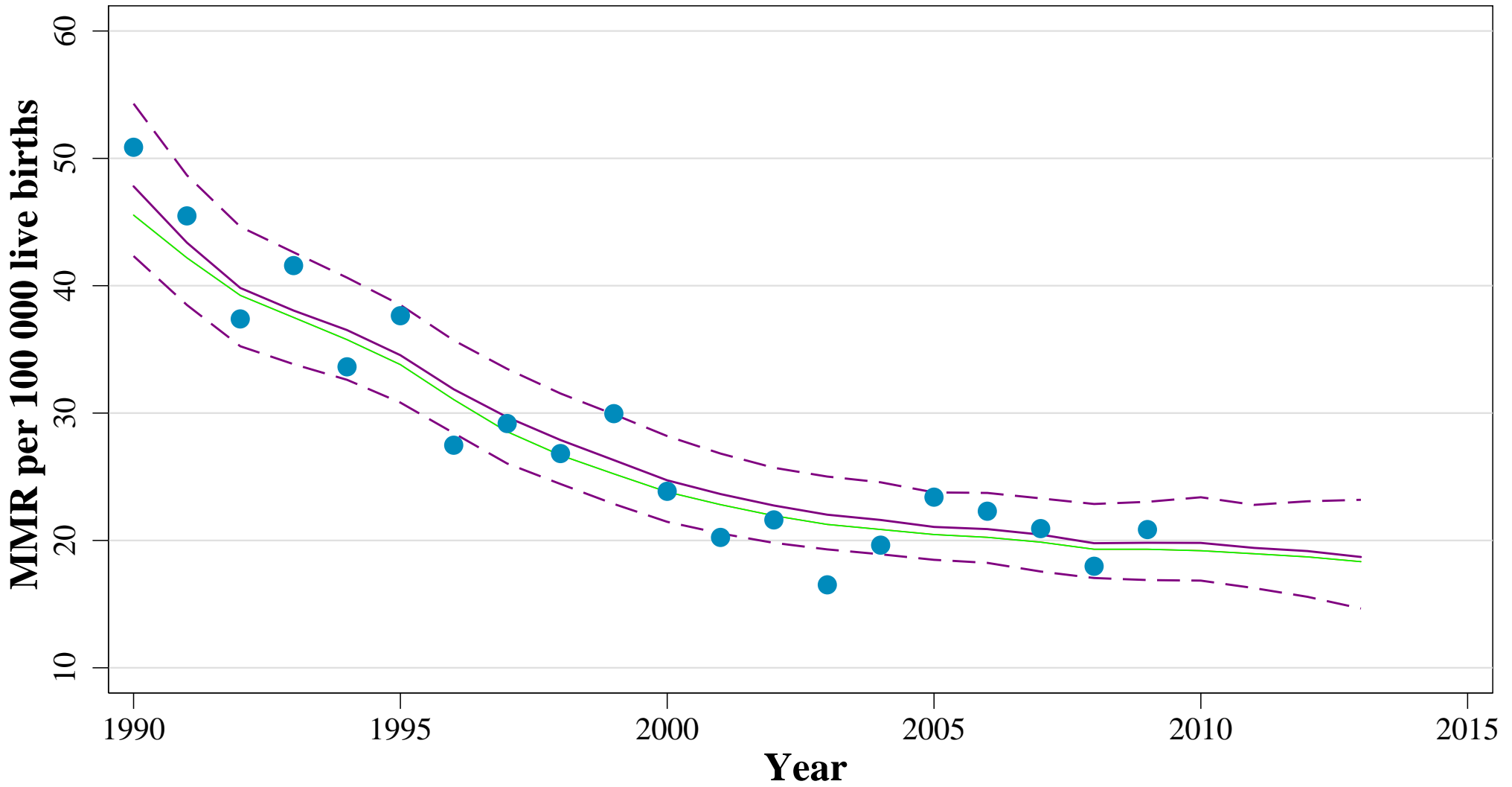
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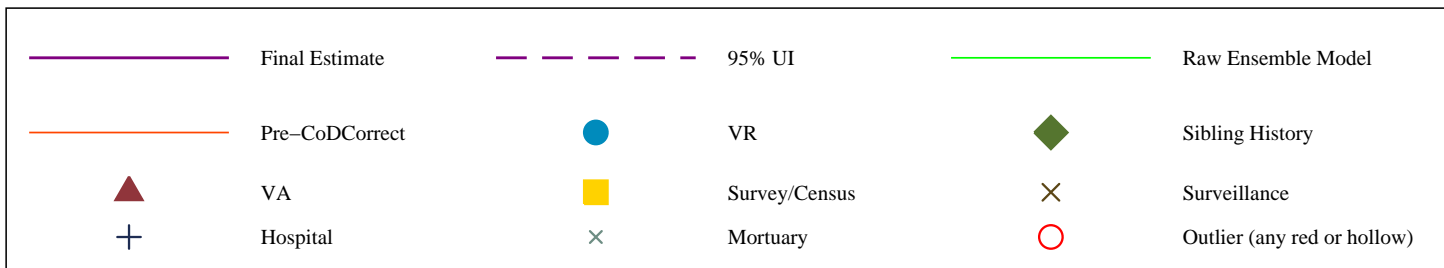
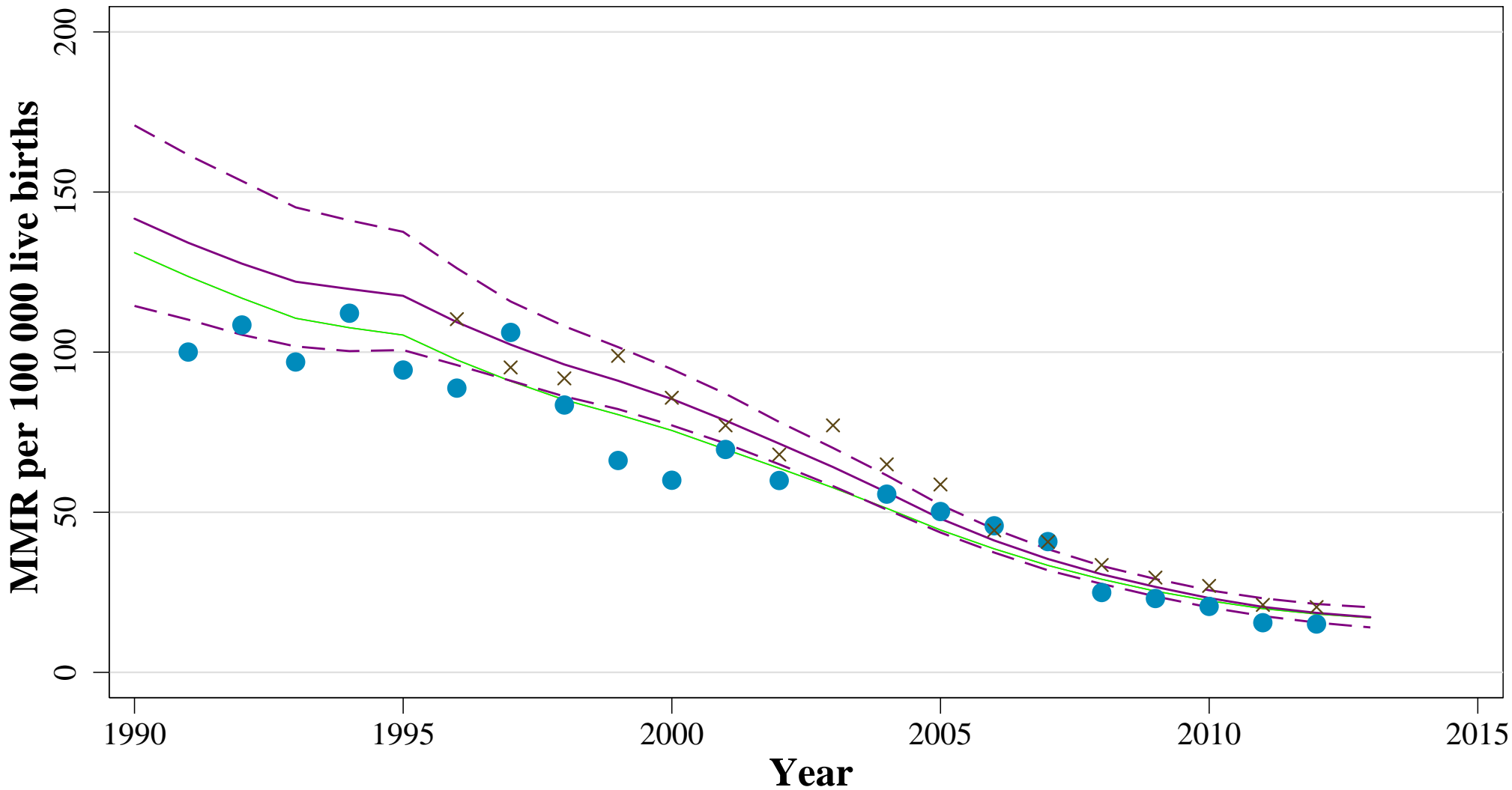
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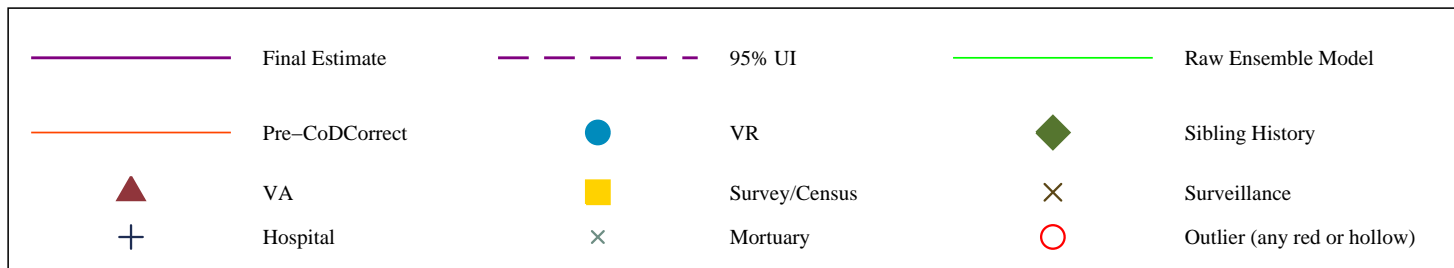
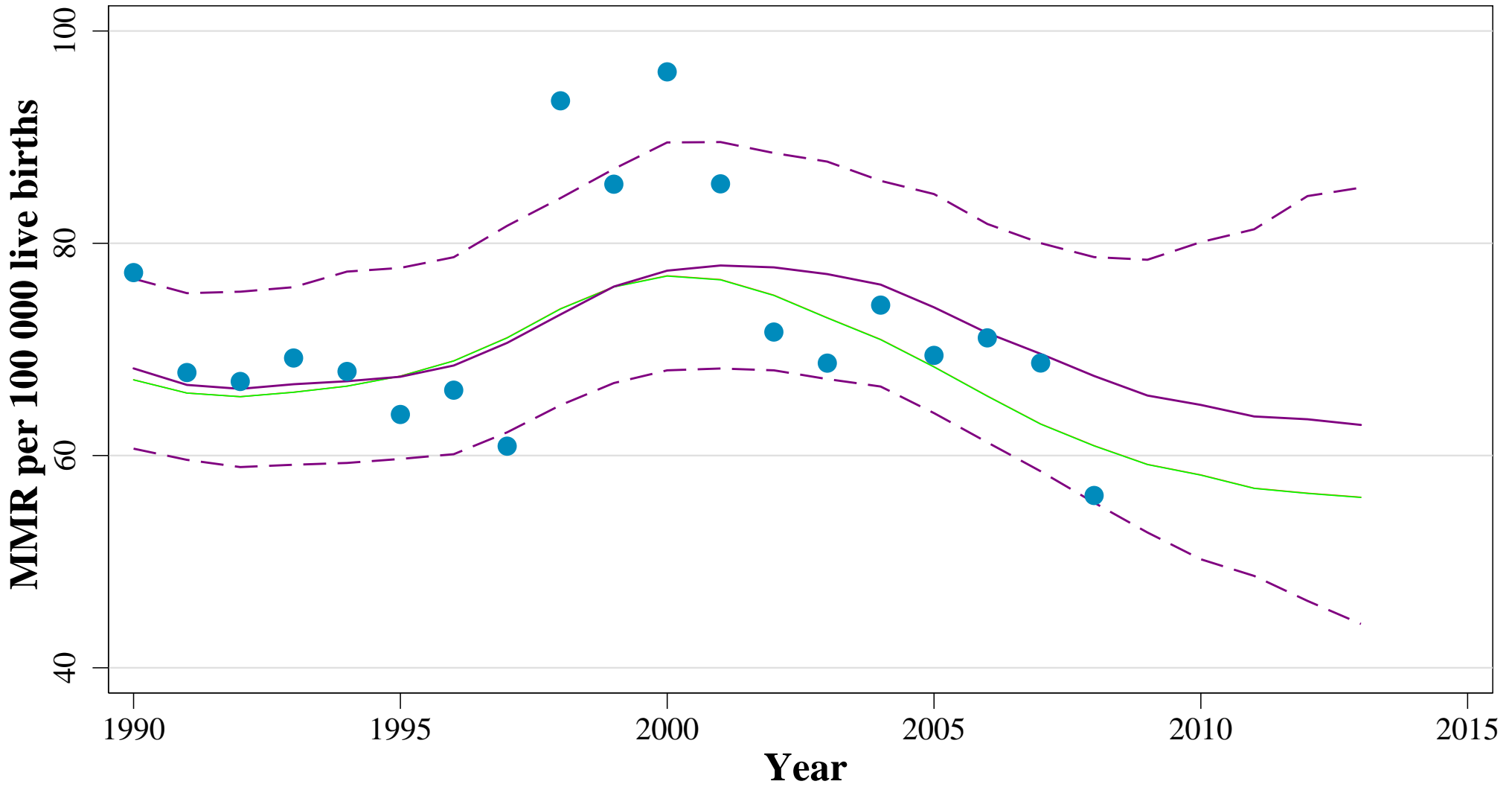
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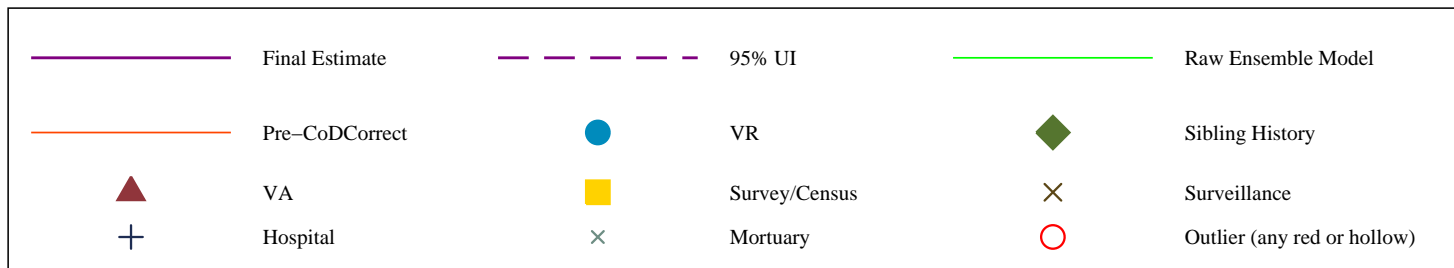
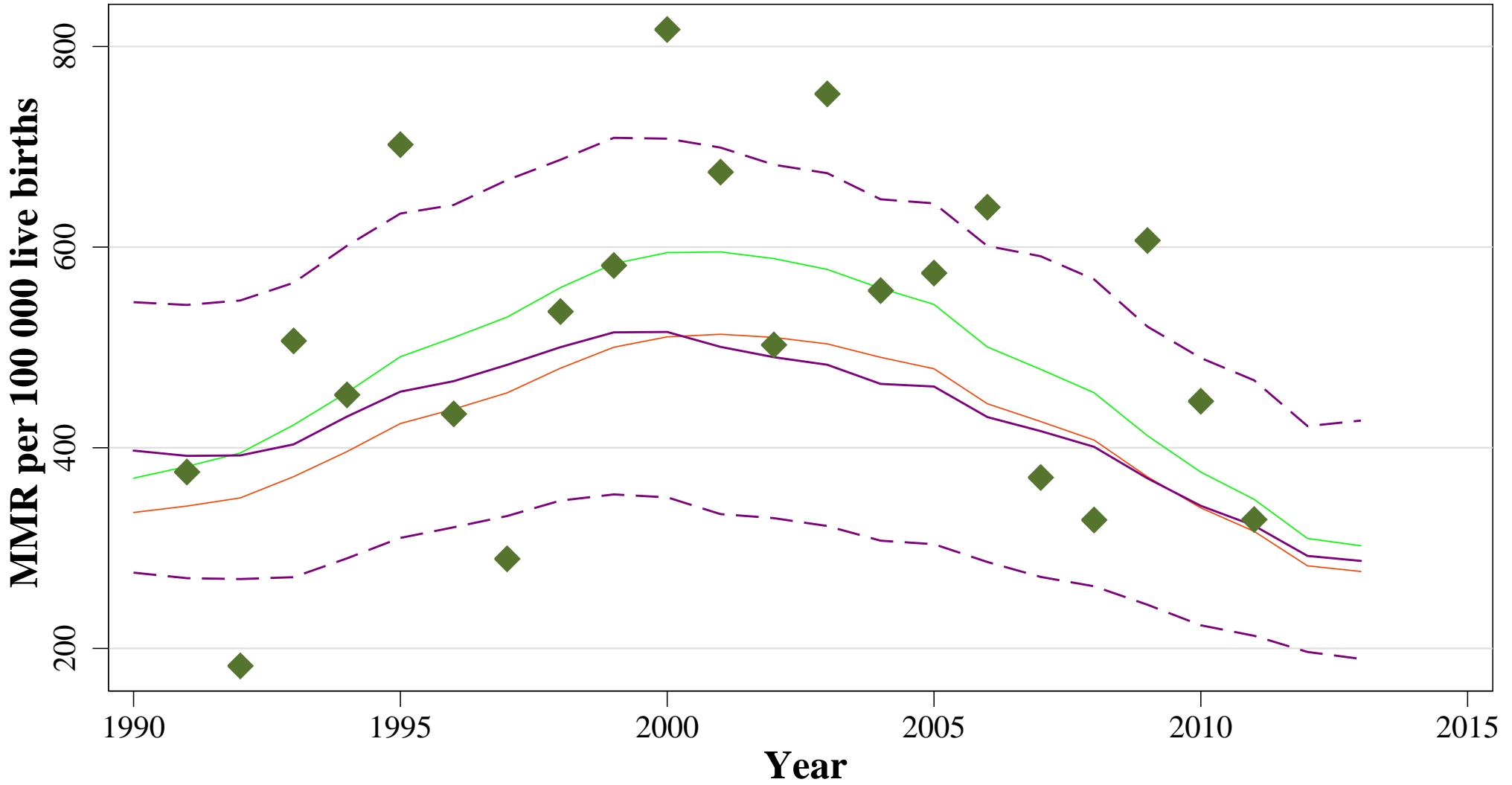
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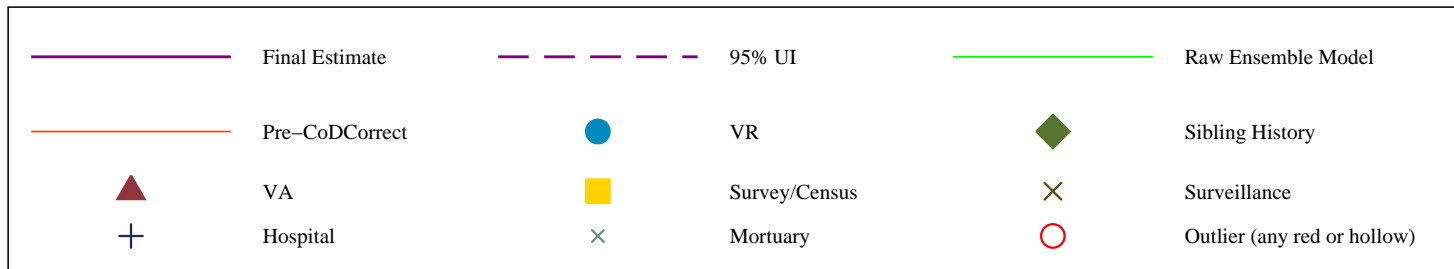
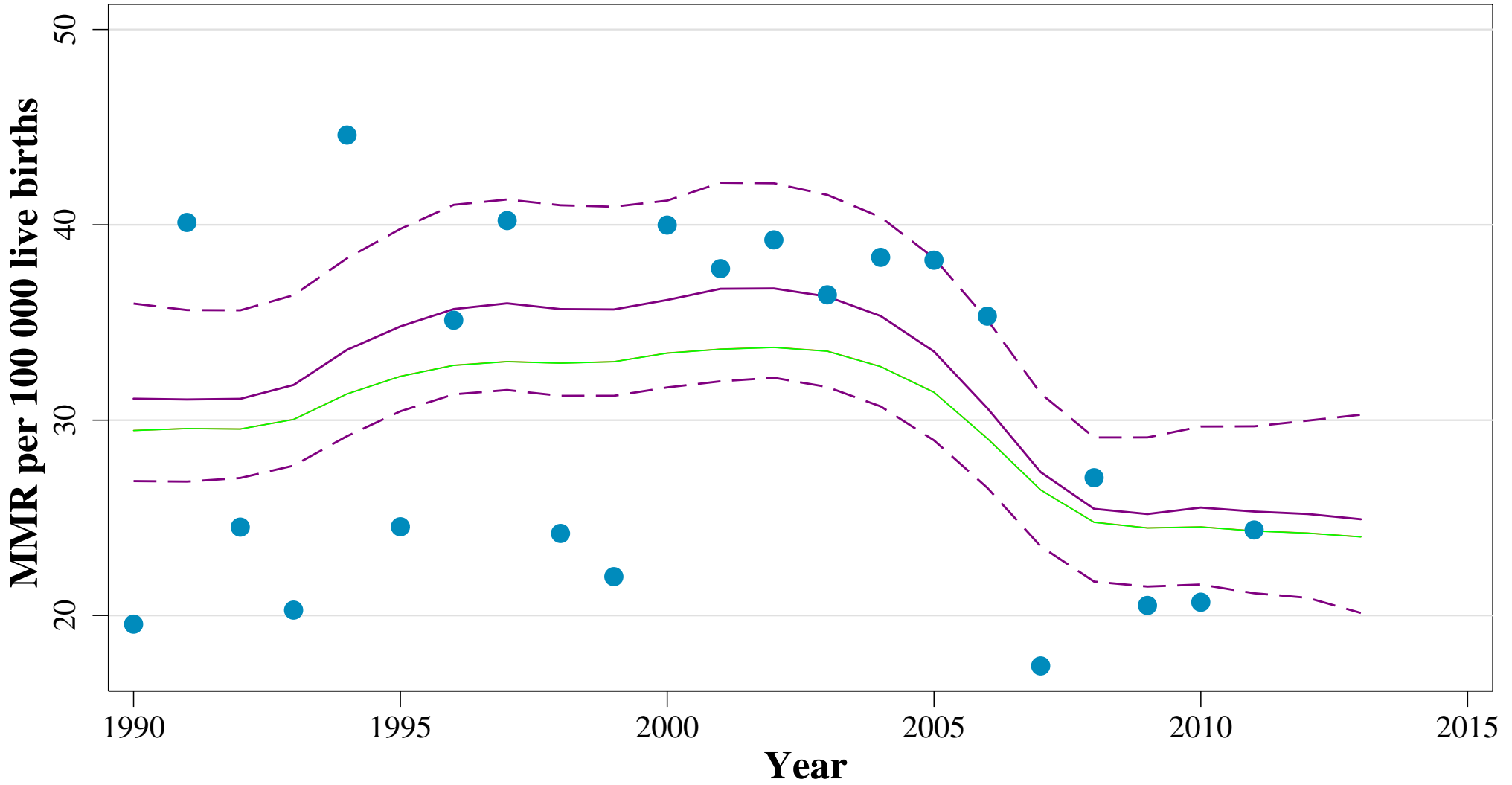
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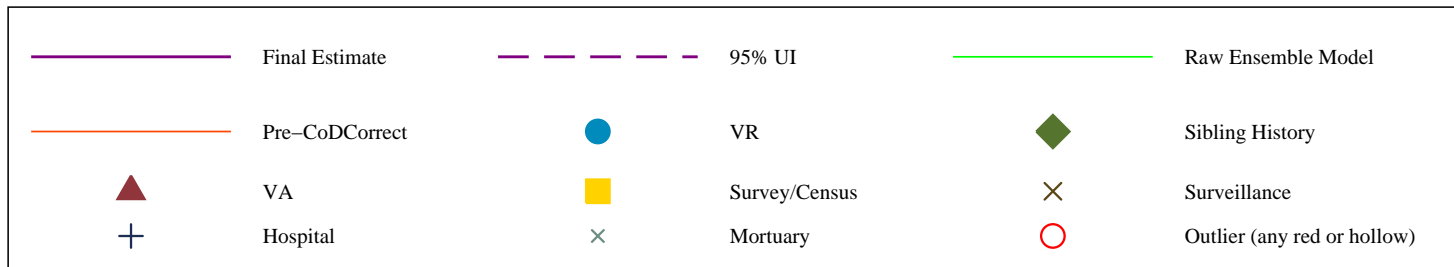
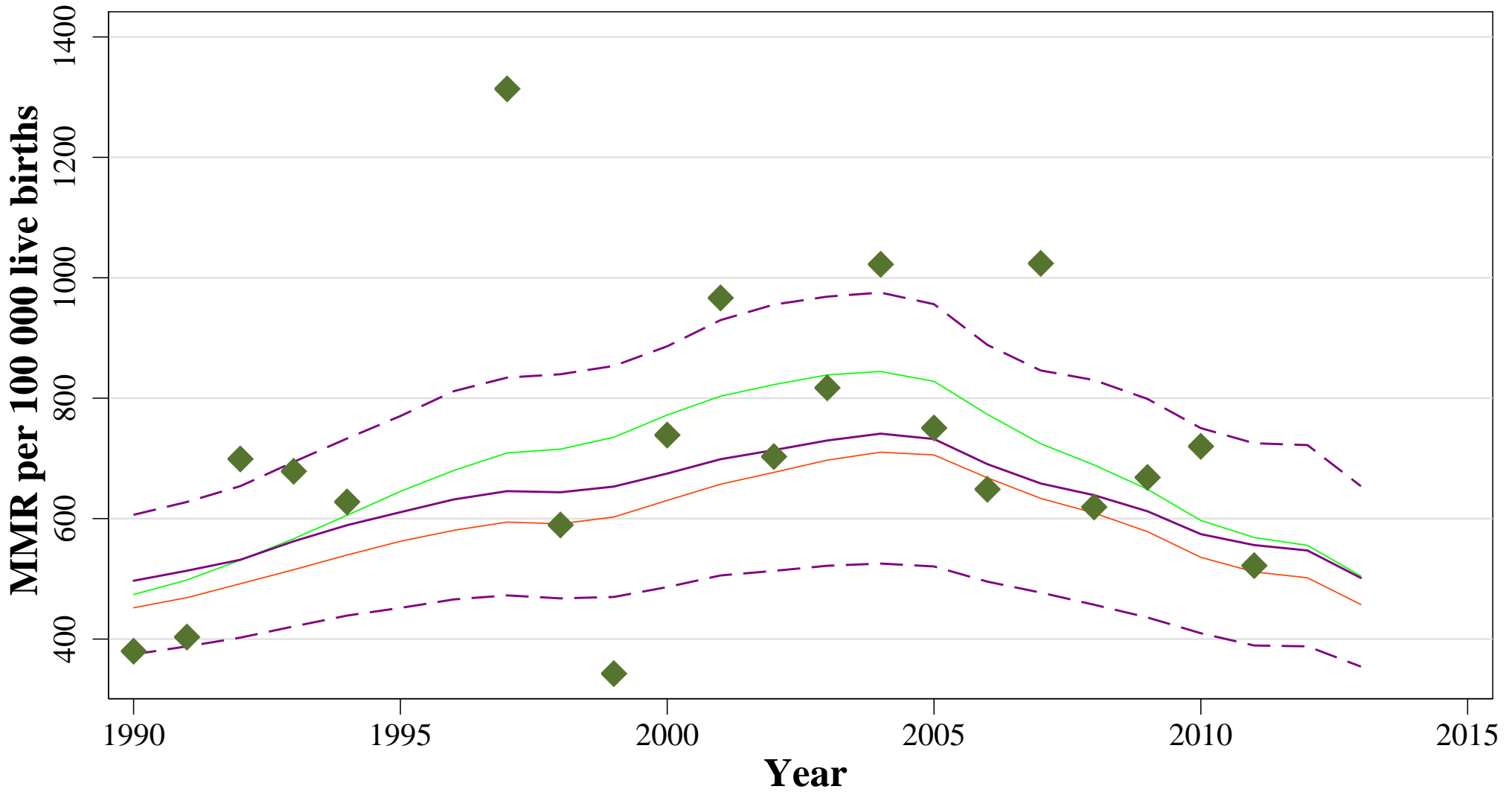
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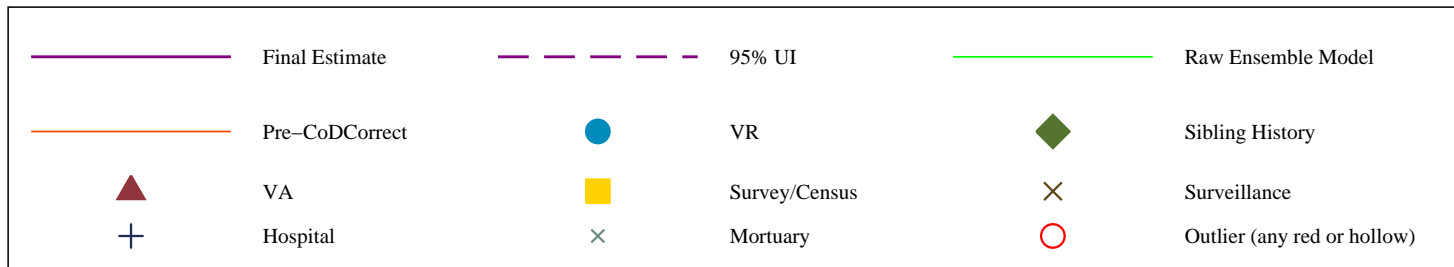
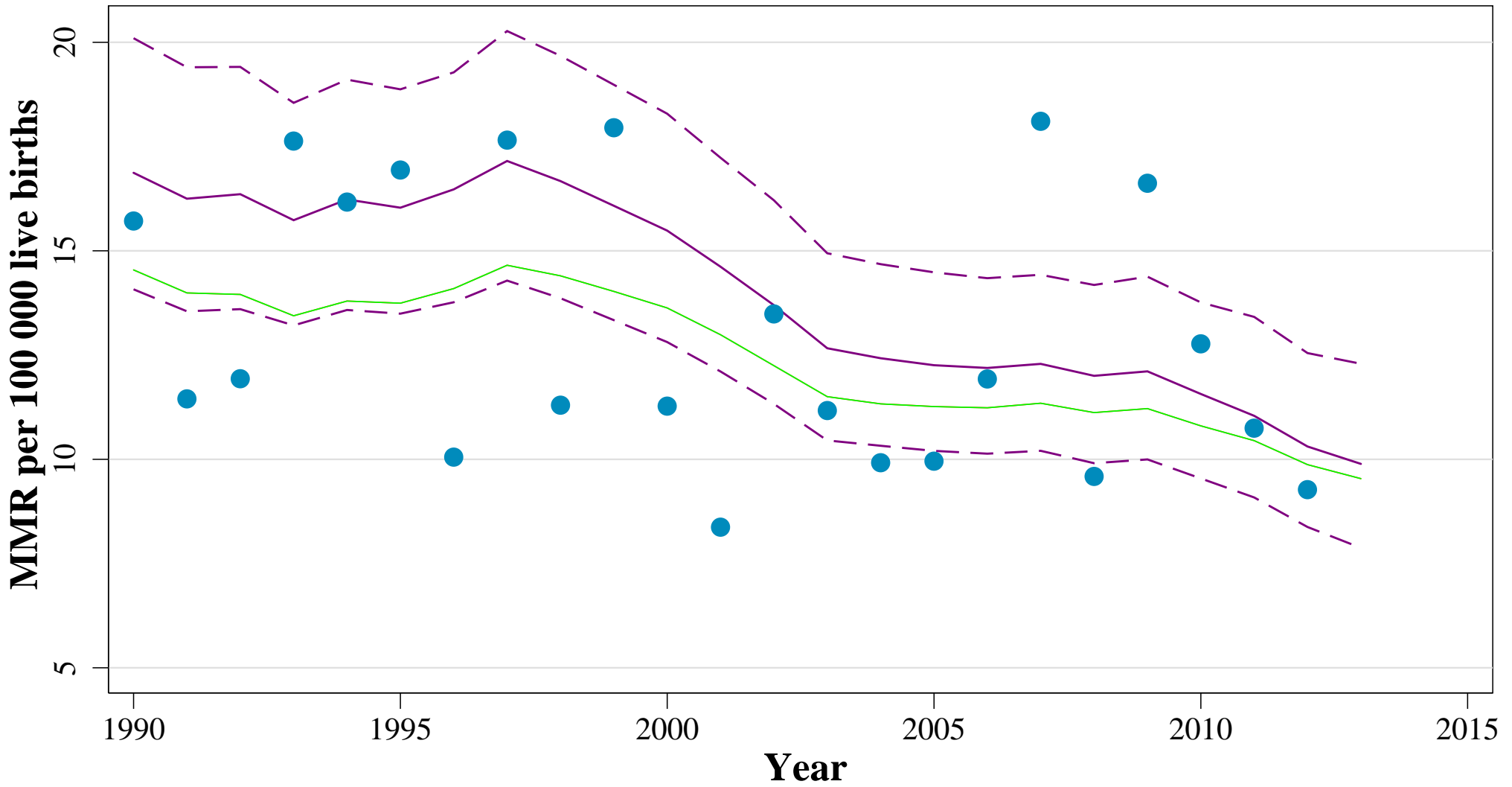
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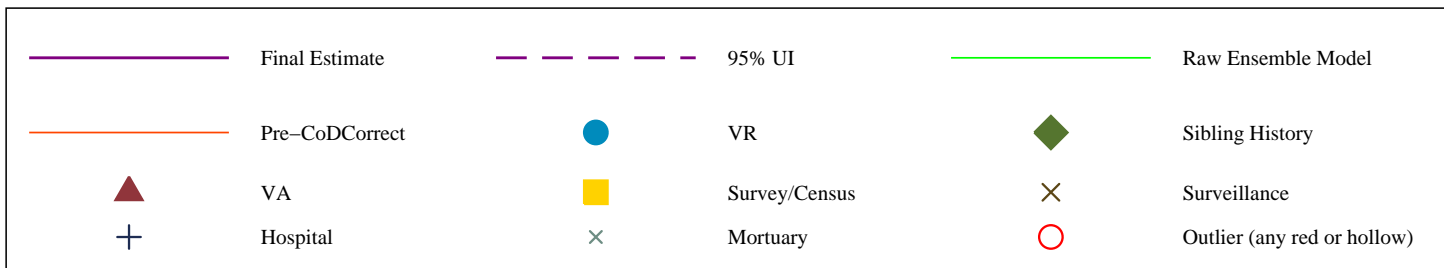
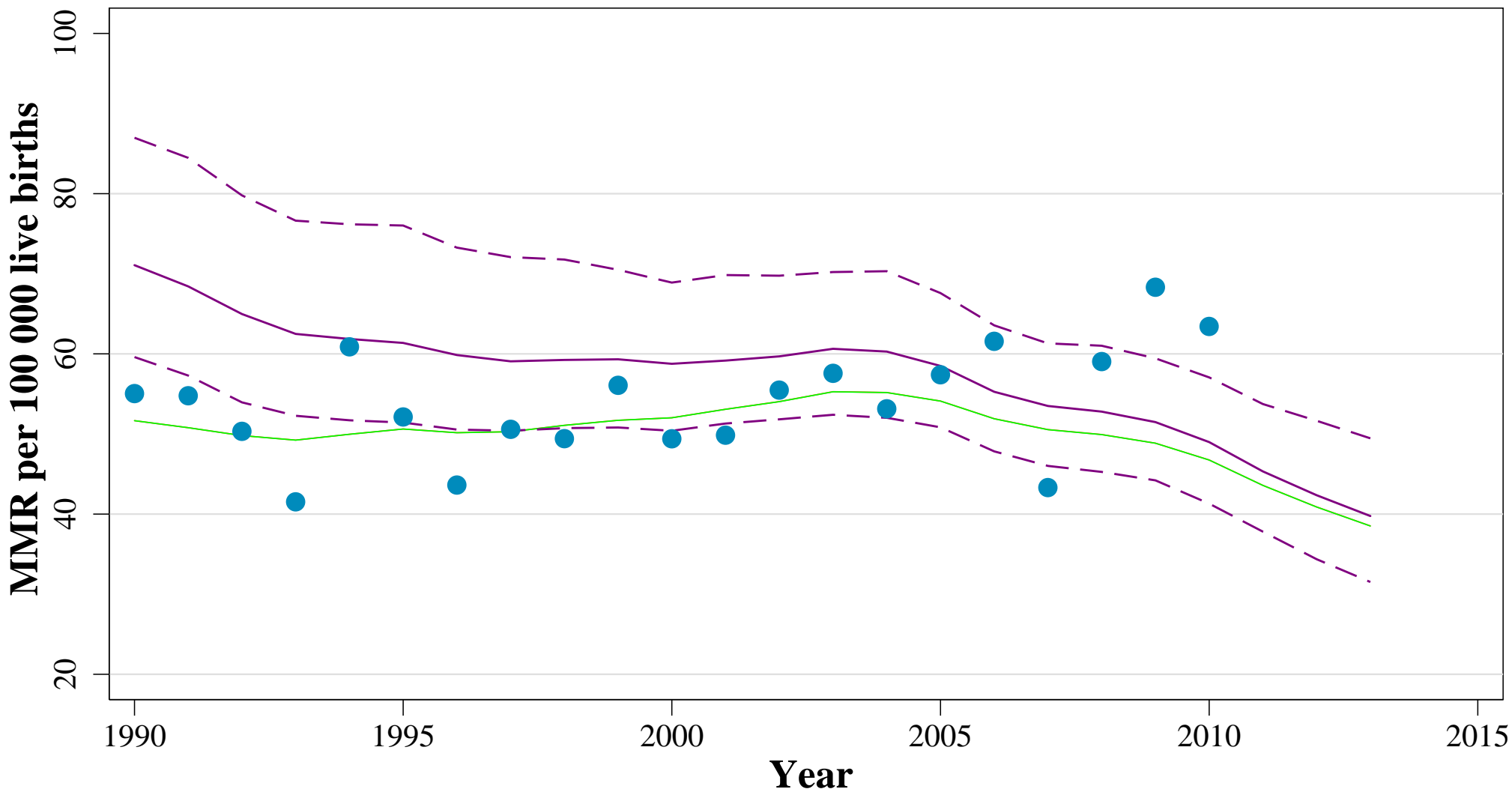
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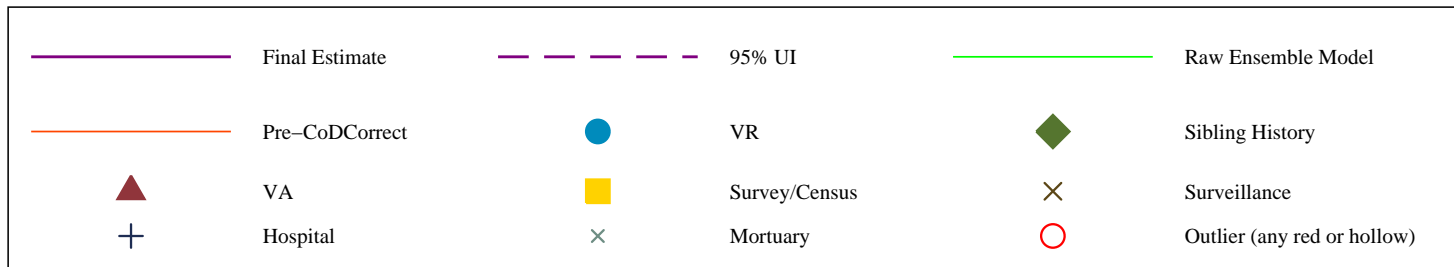
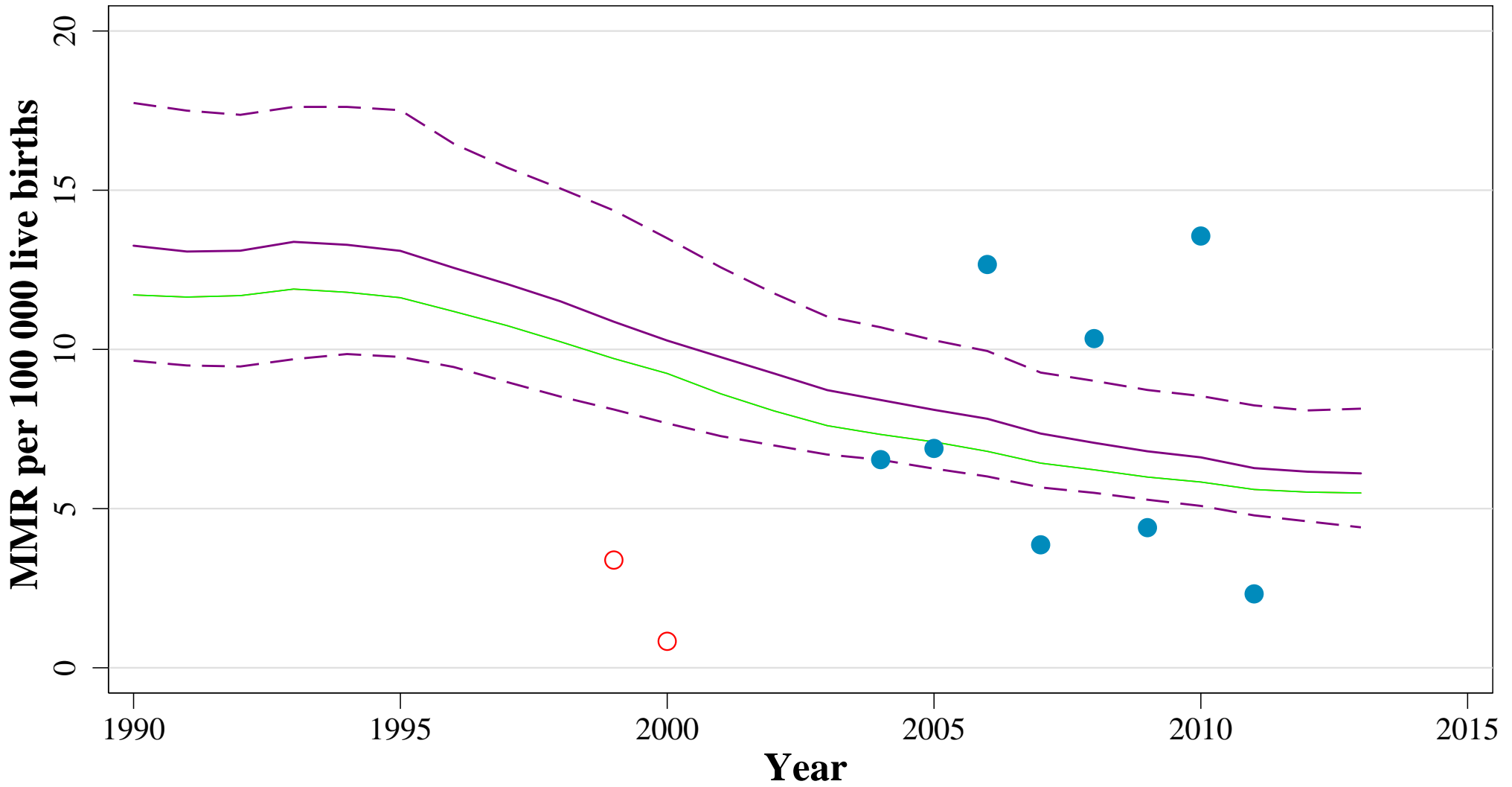
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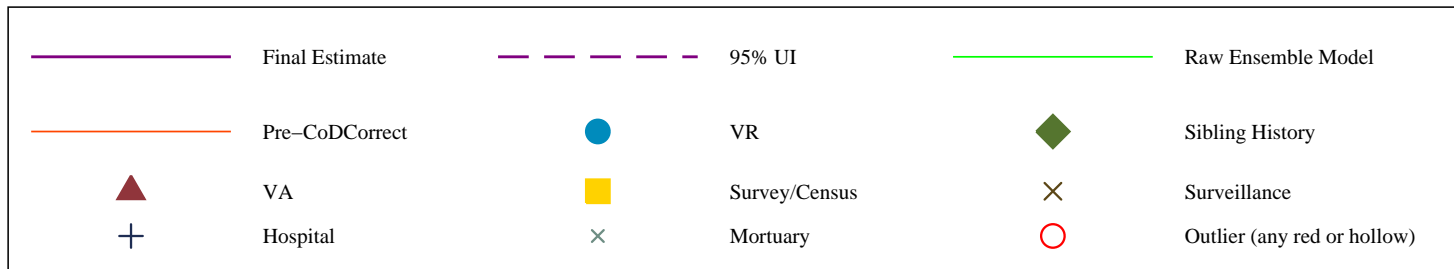
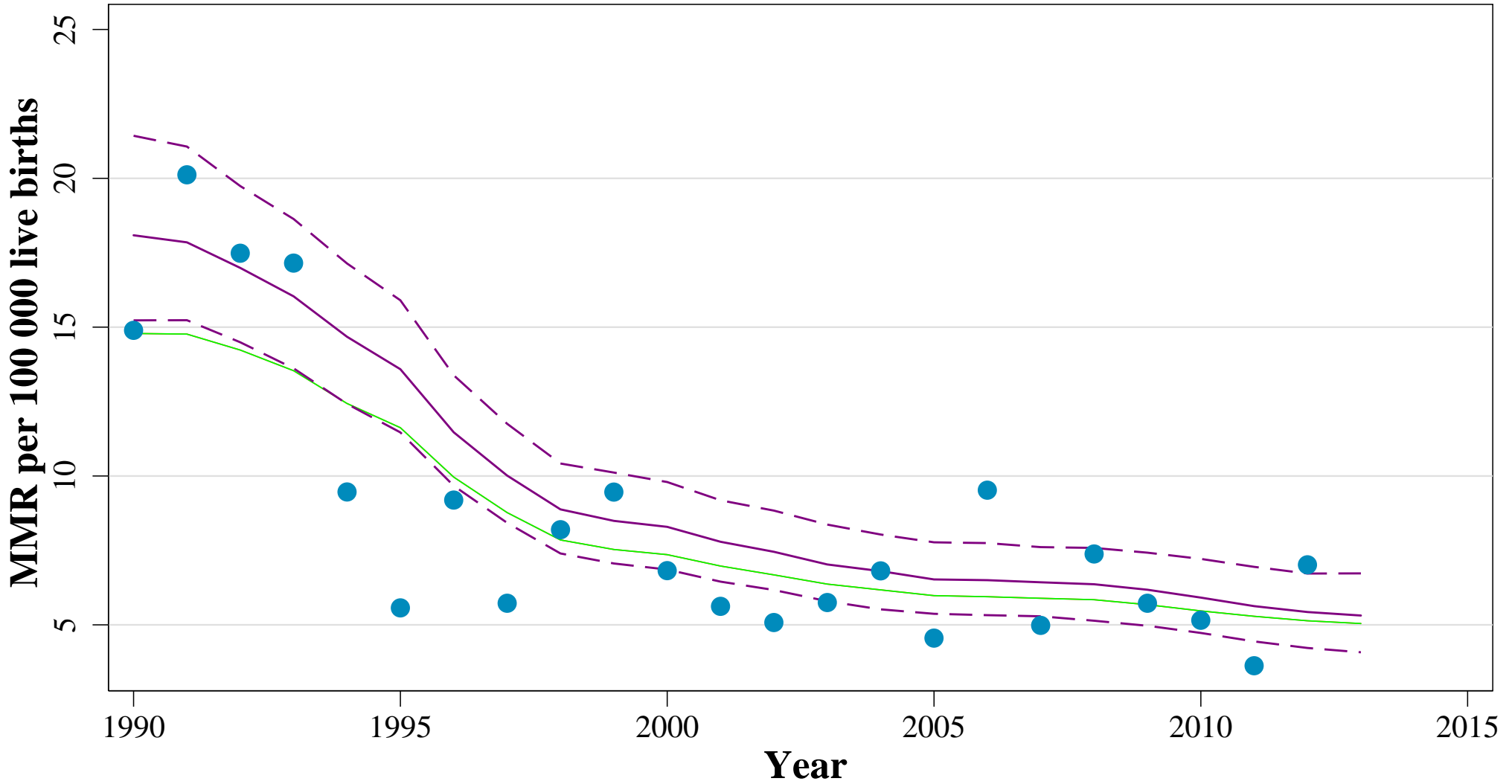
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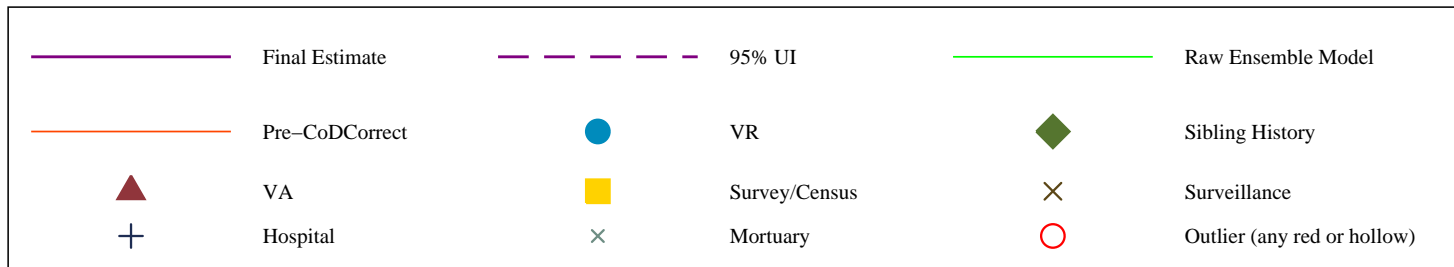
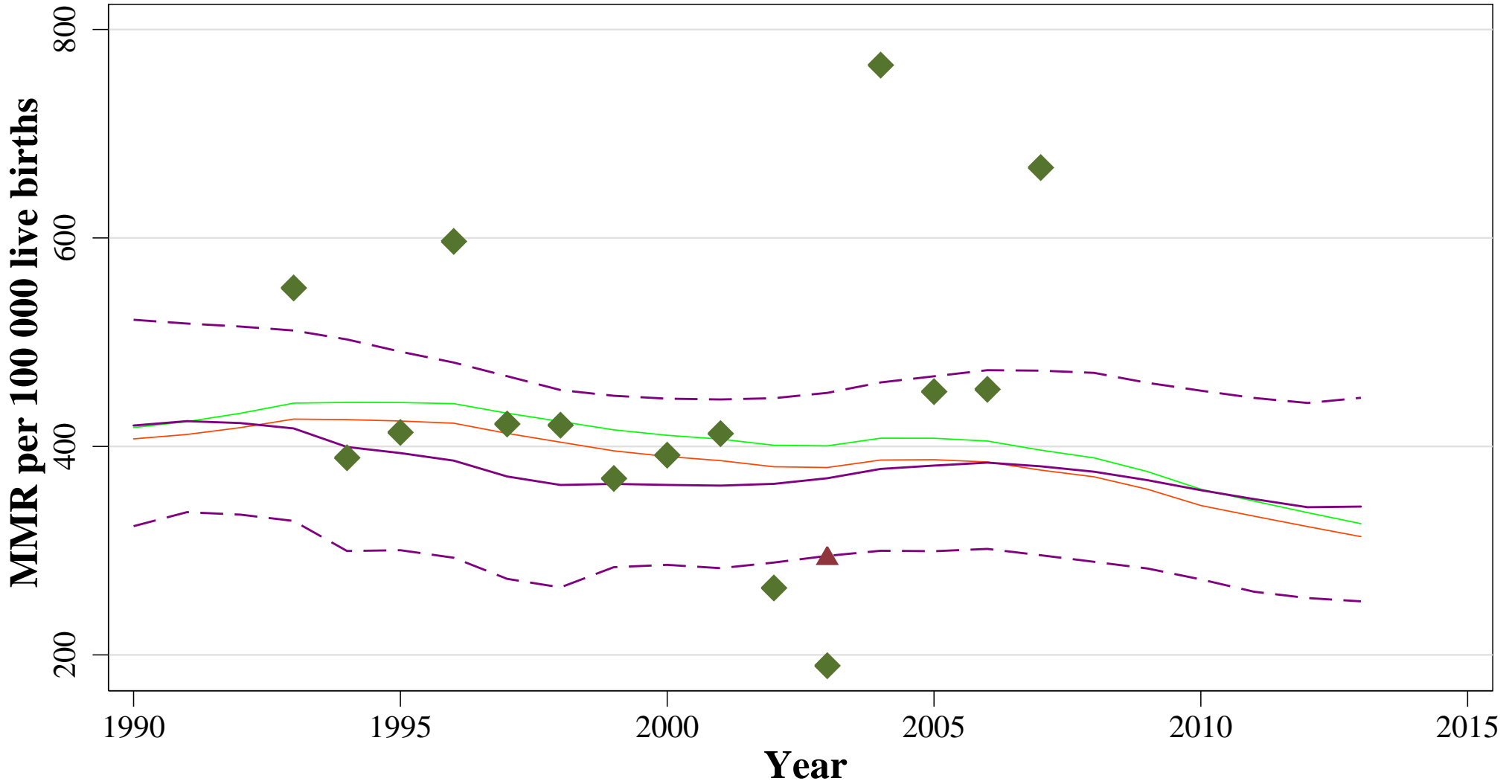
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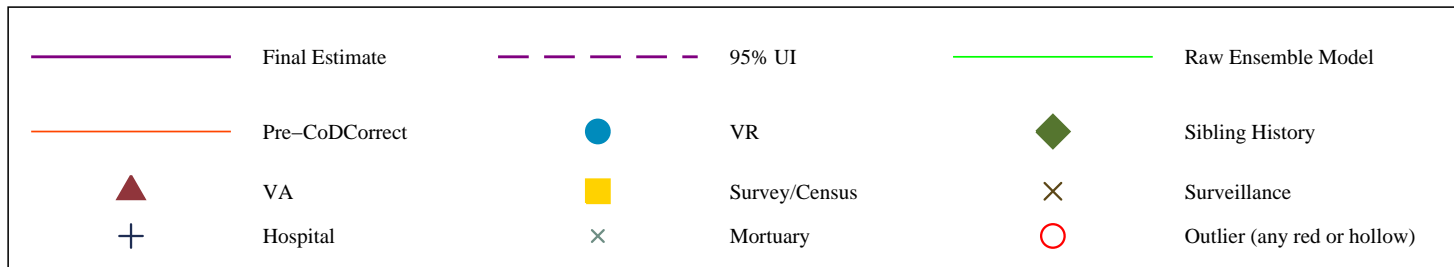
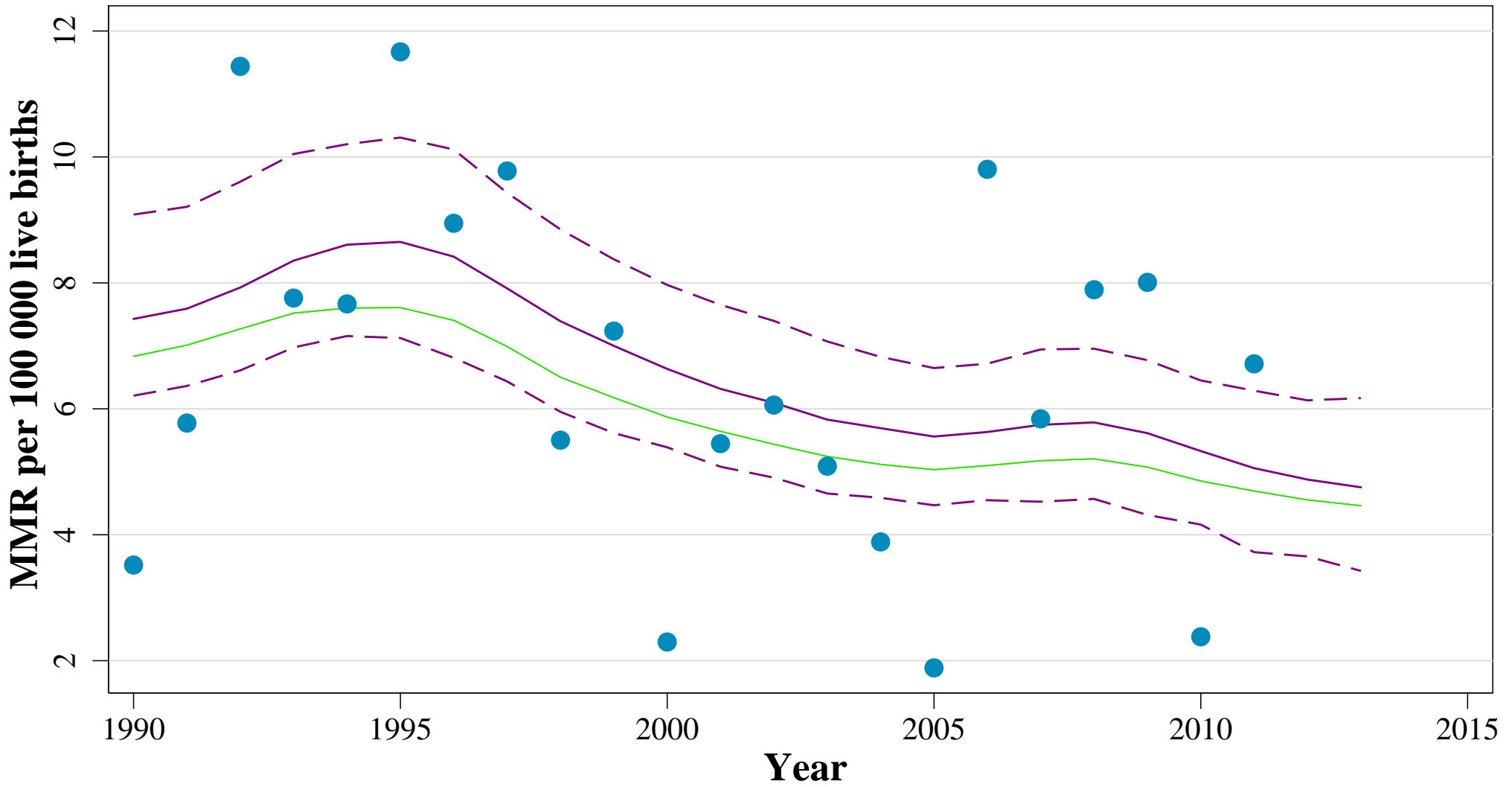
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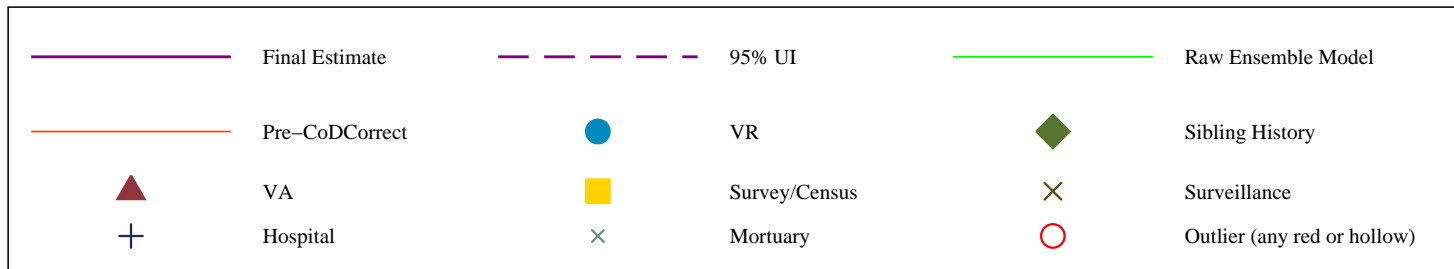
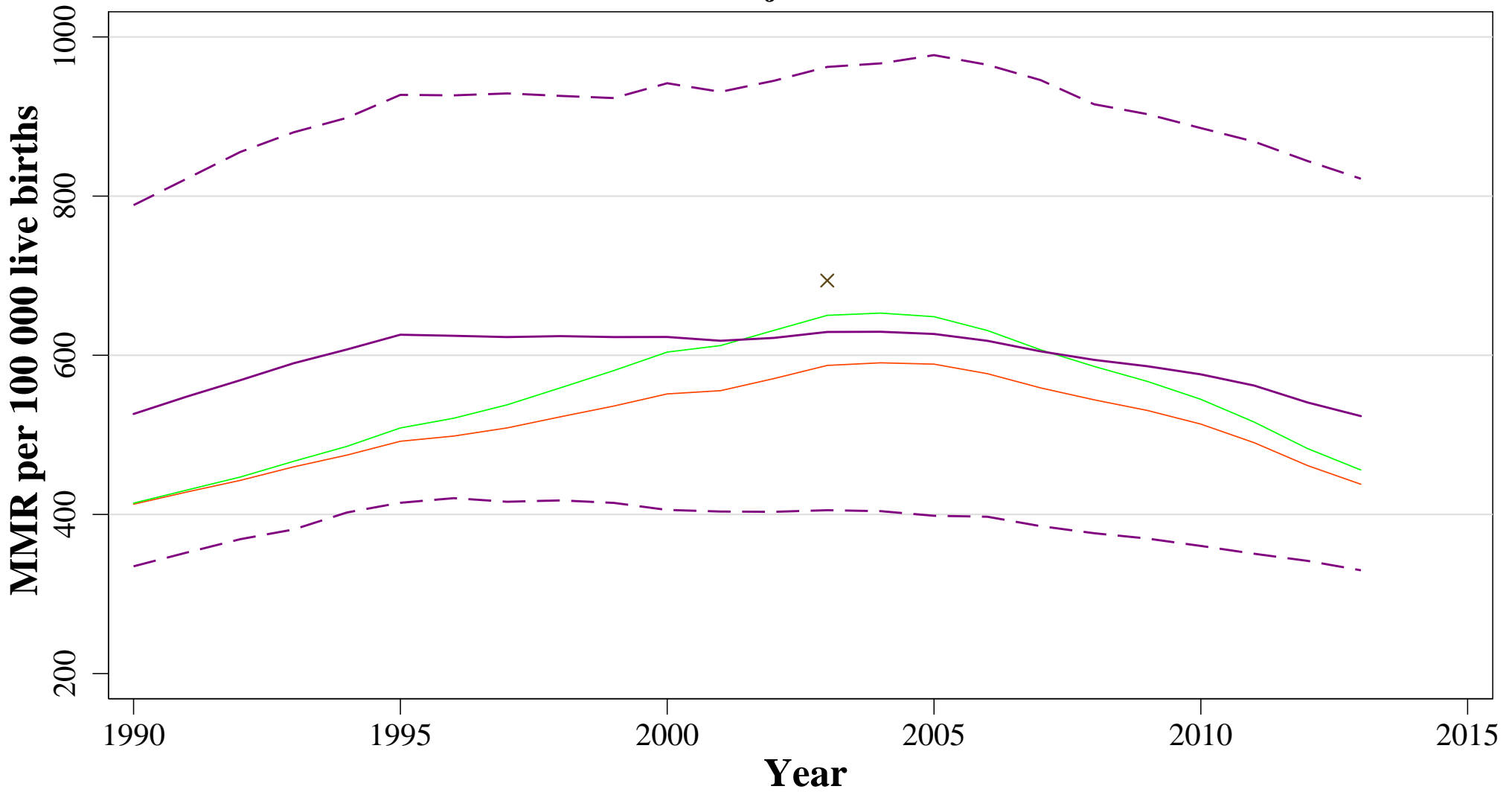
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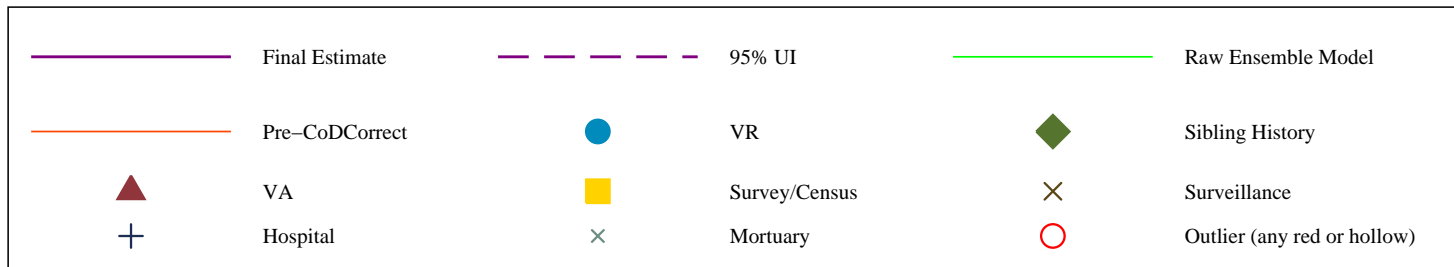
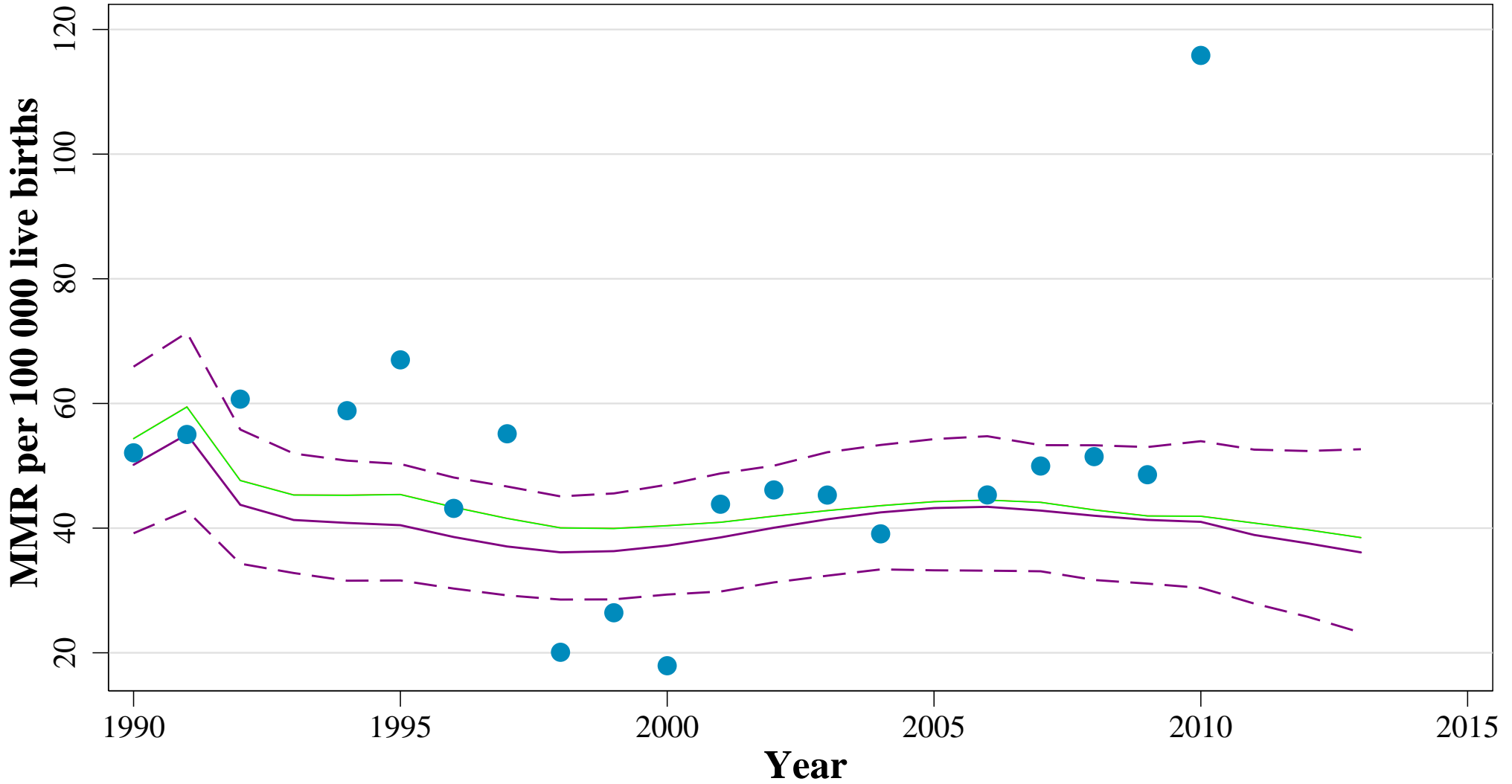
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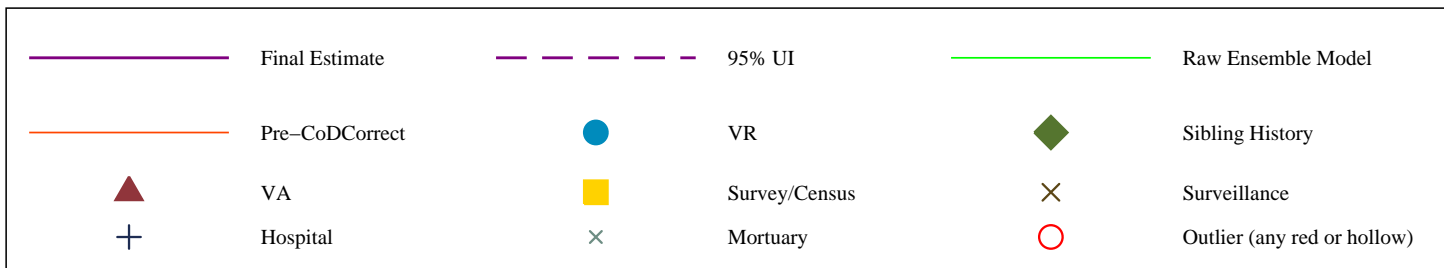
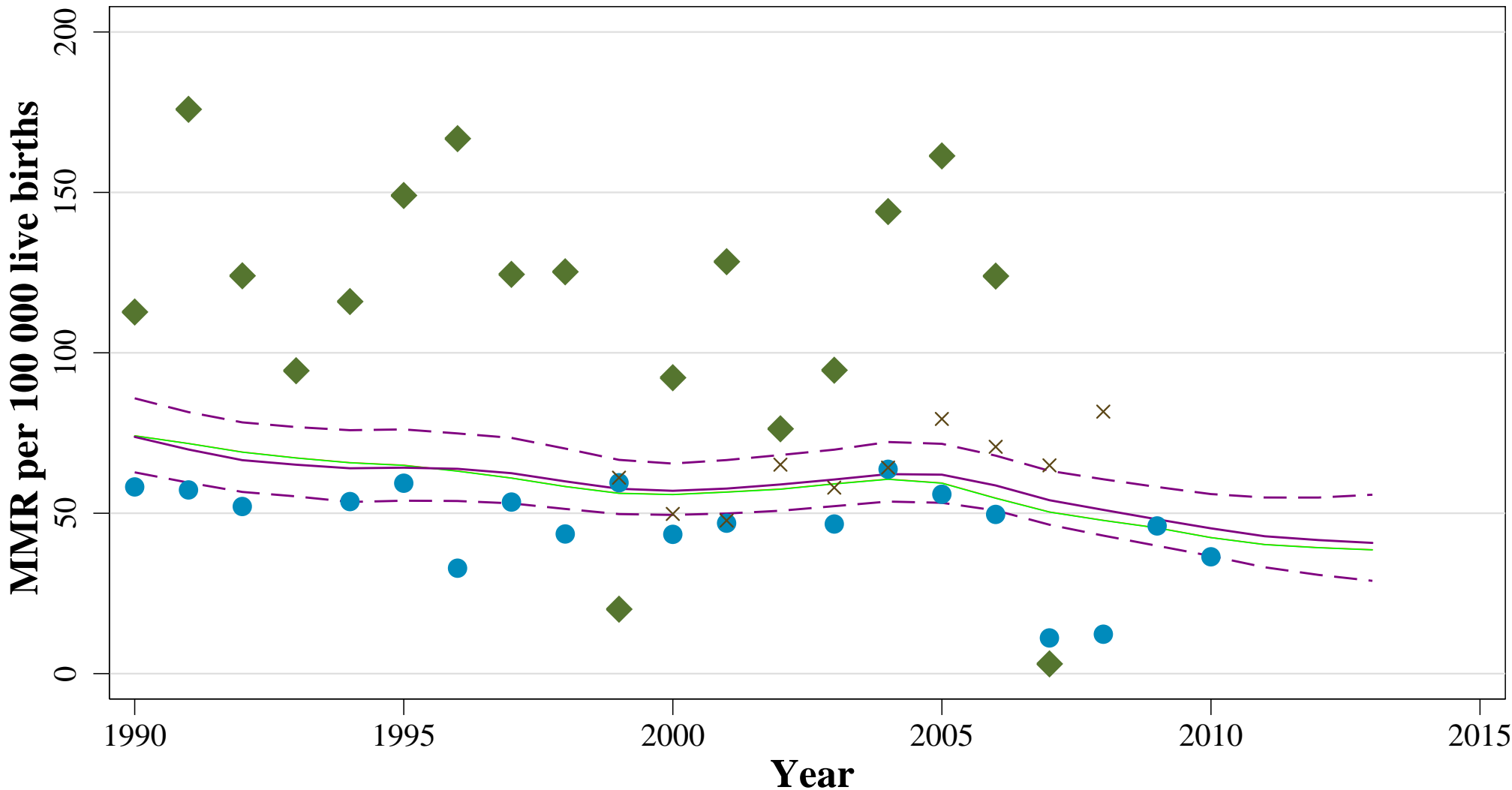
Djibouti



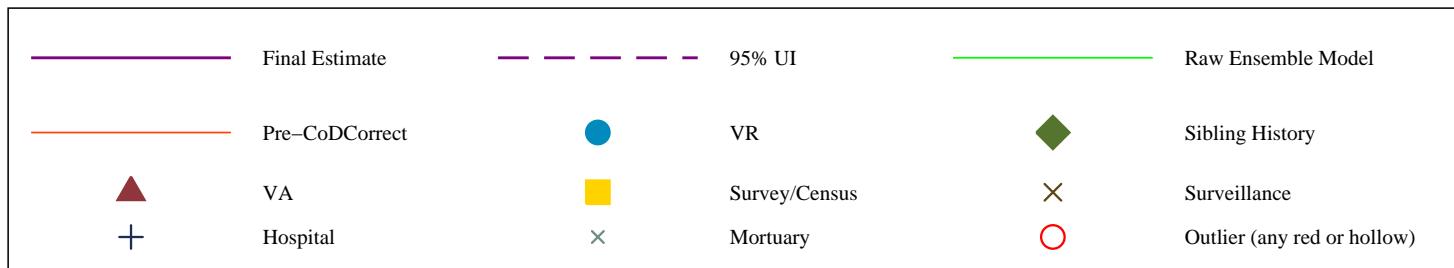
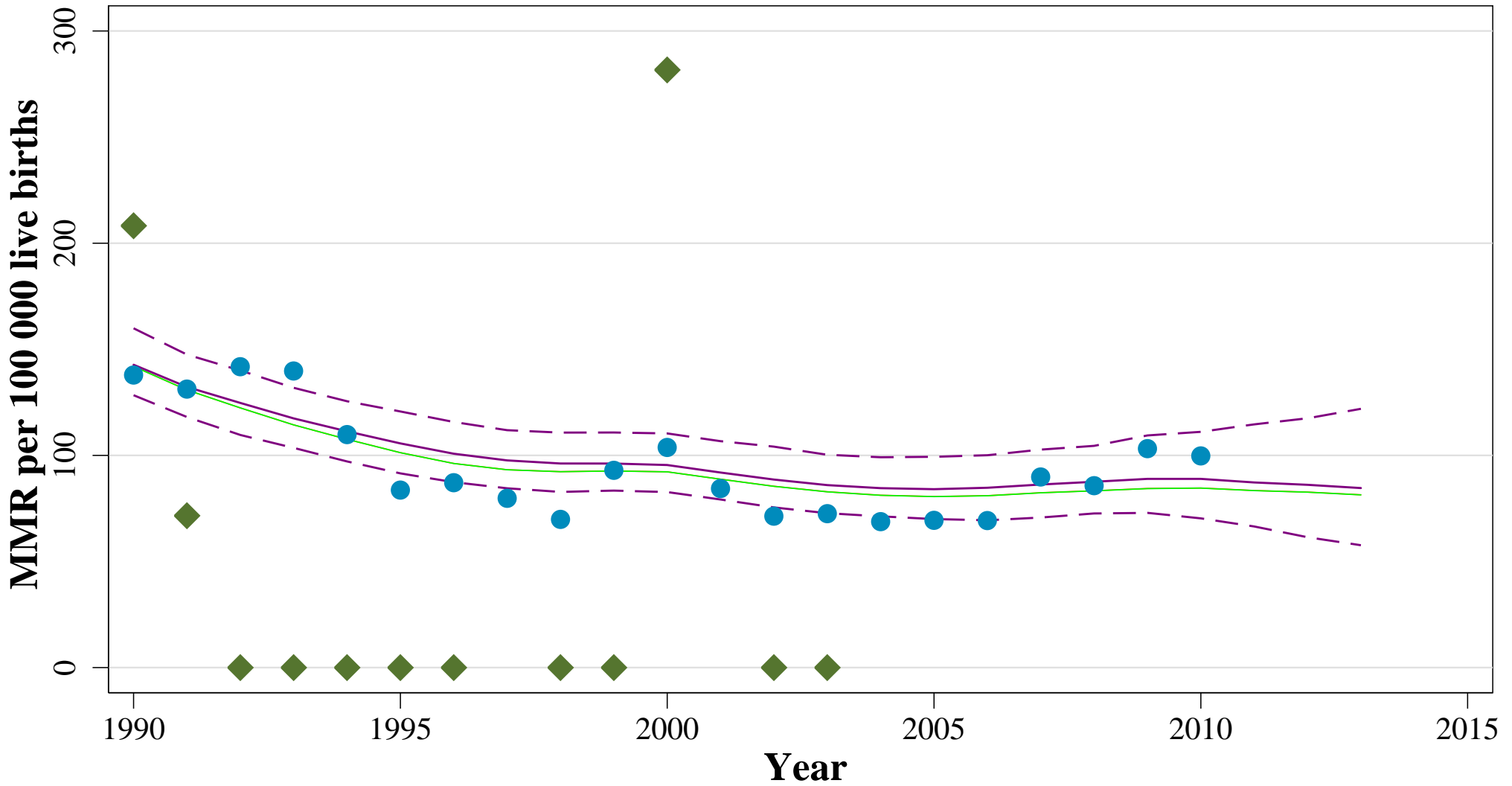
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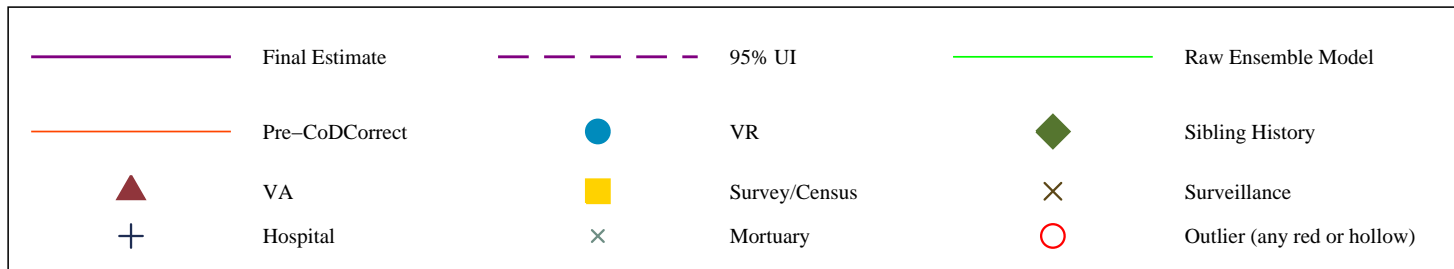
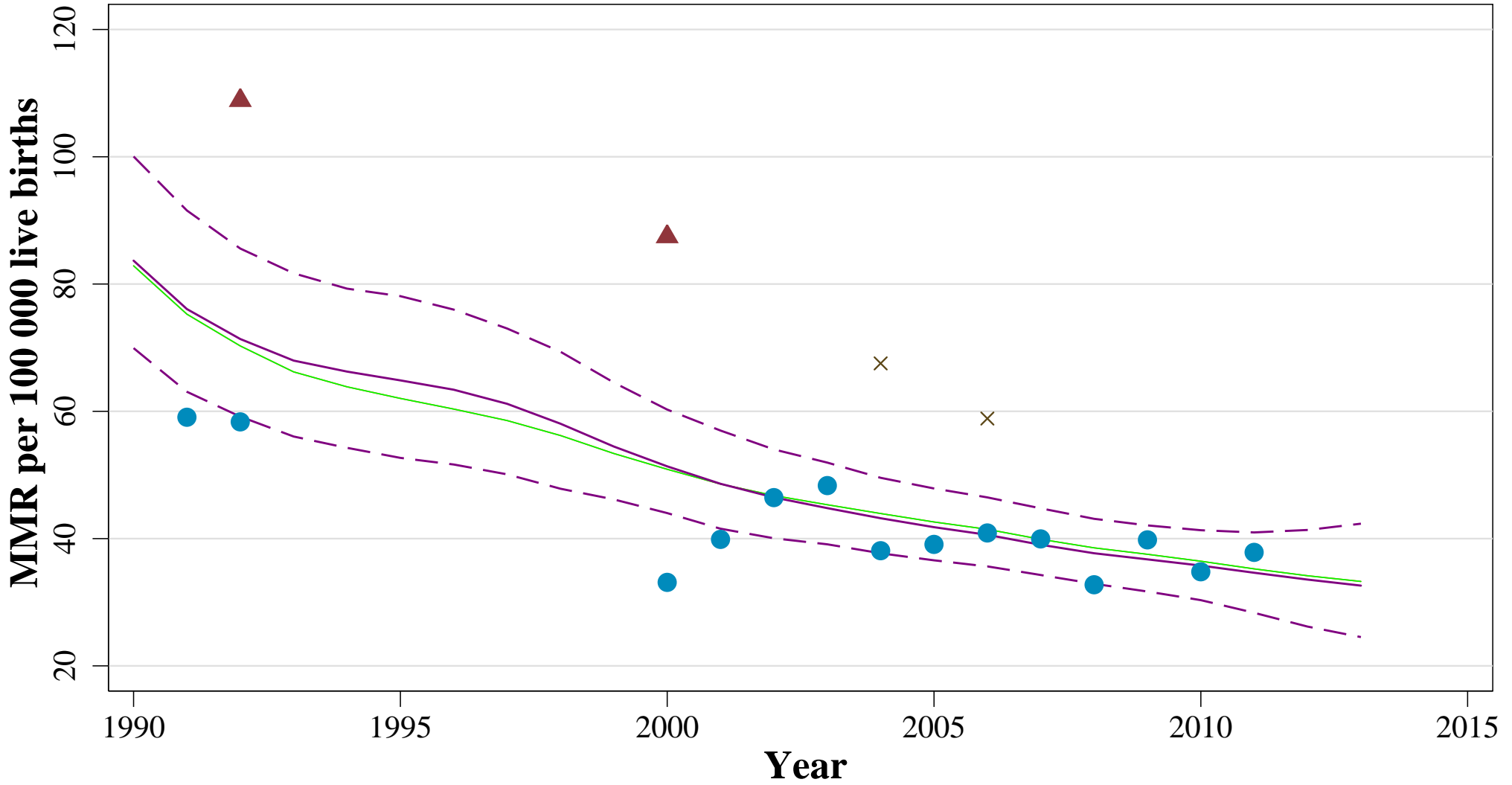
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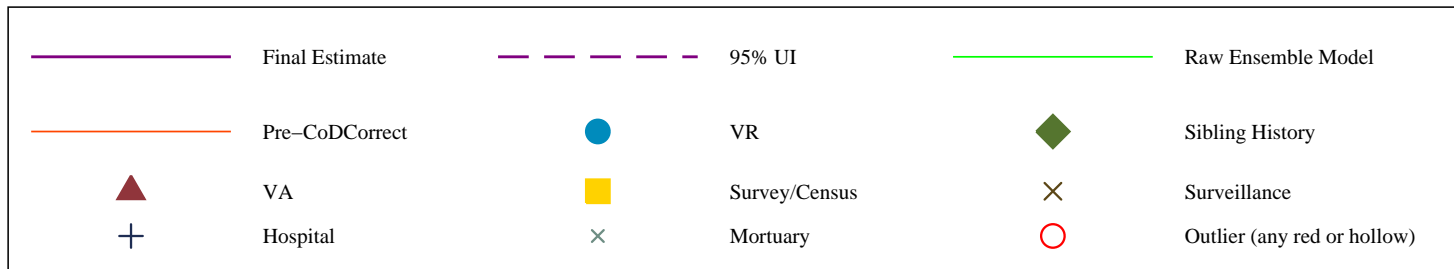
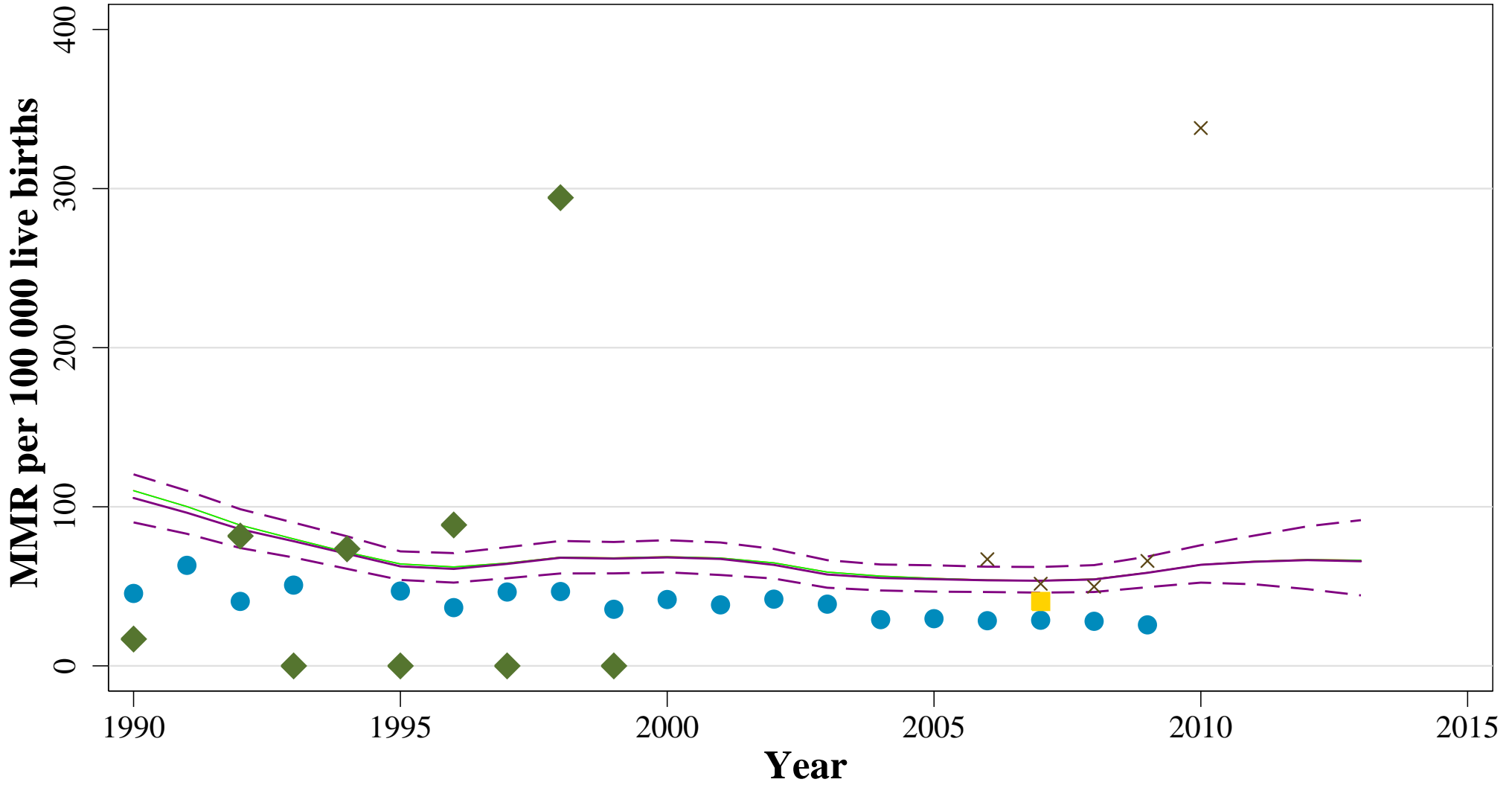
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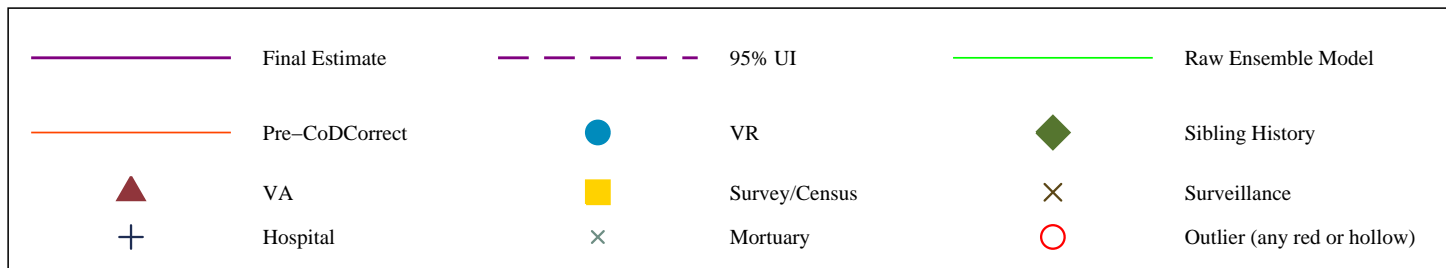
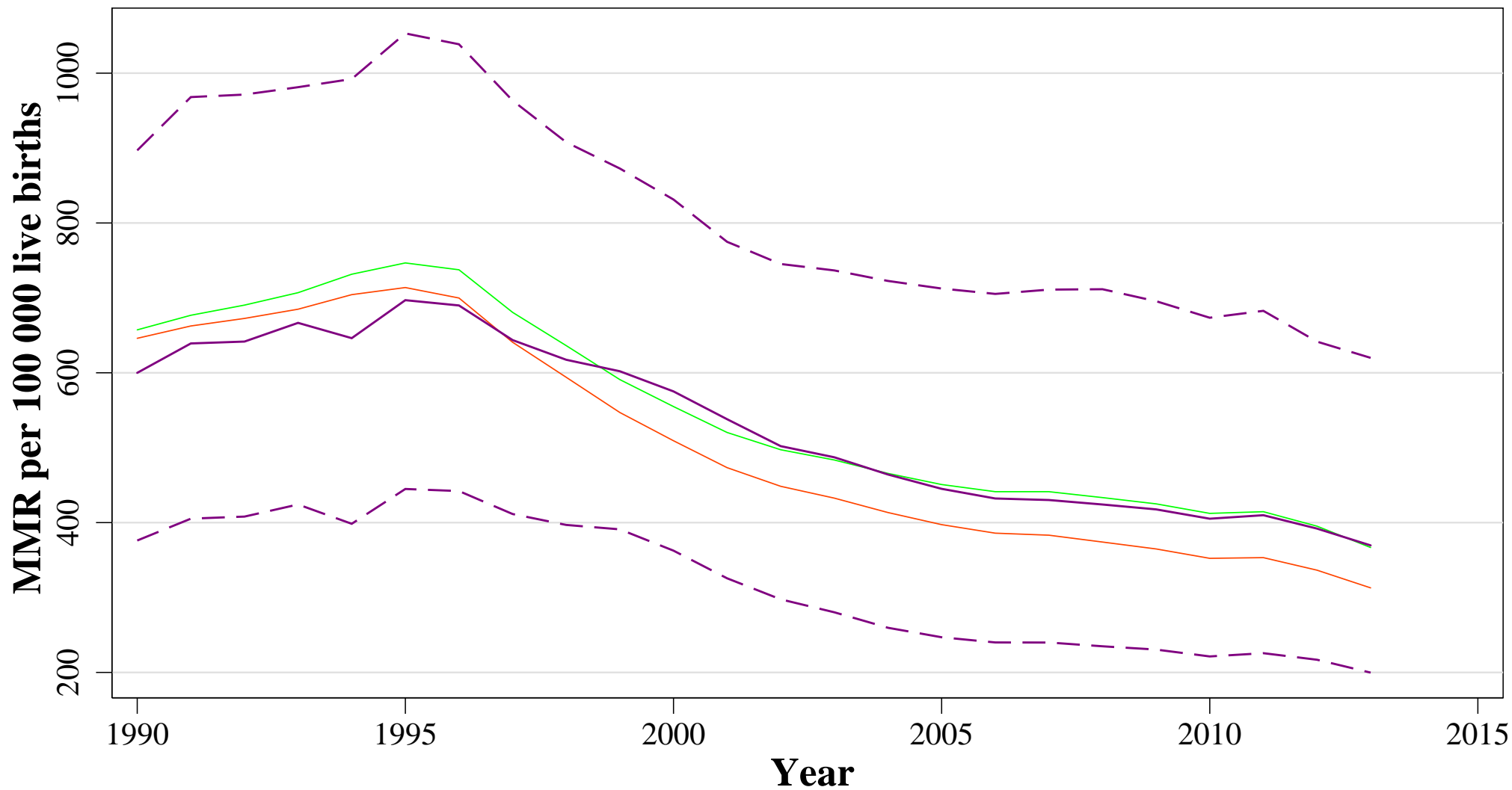
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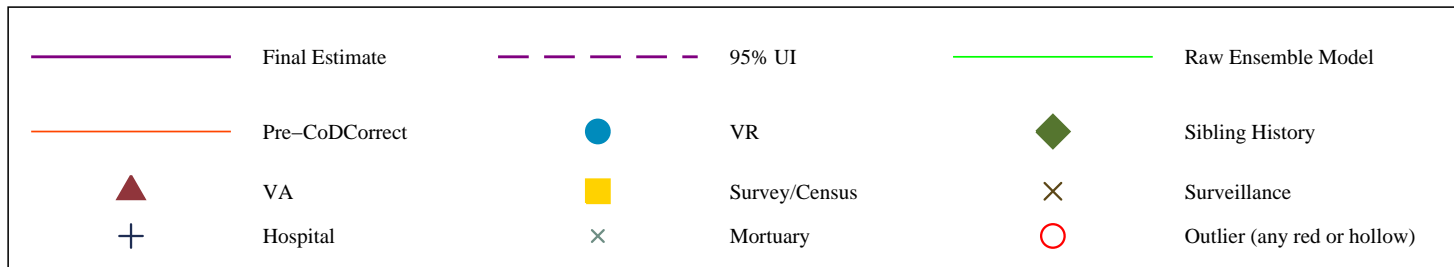
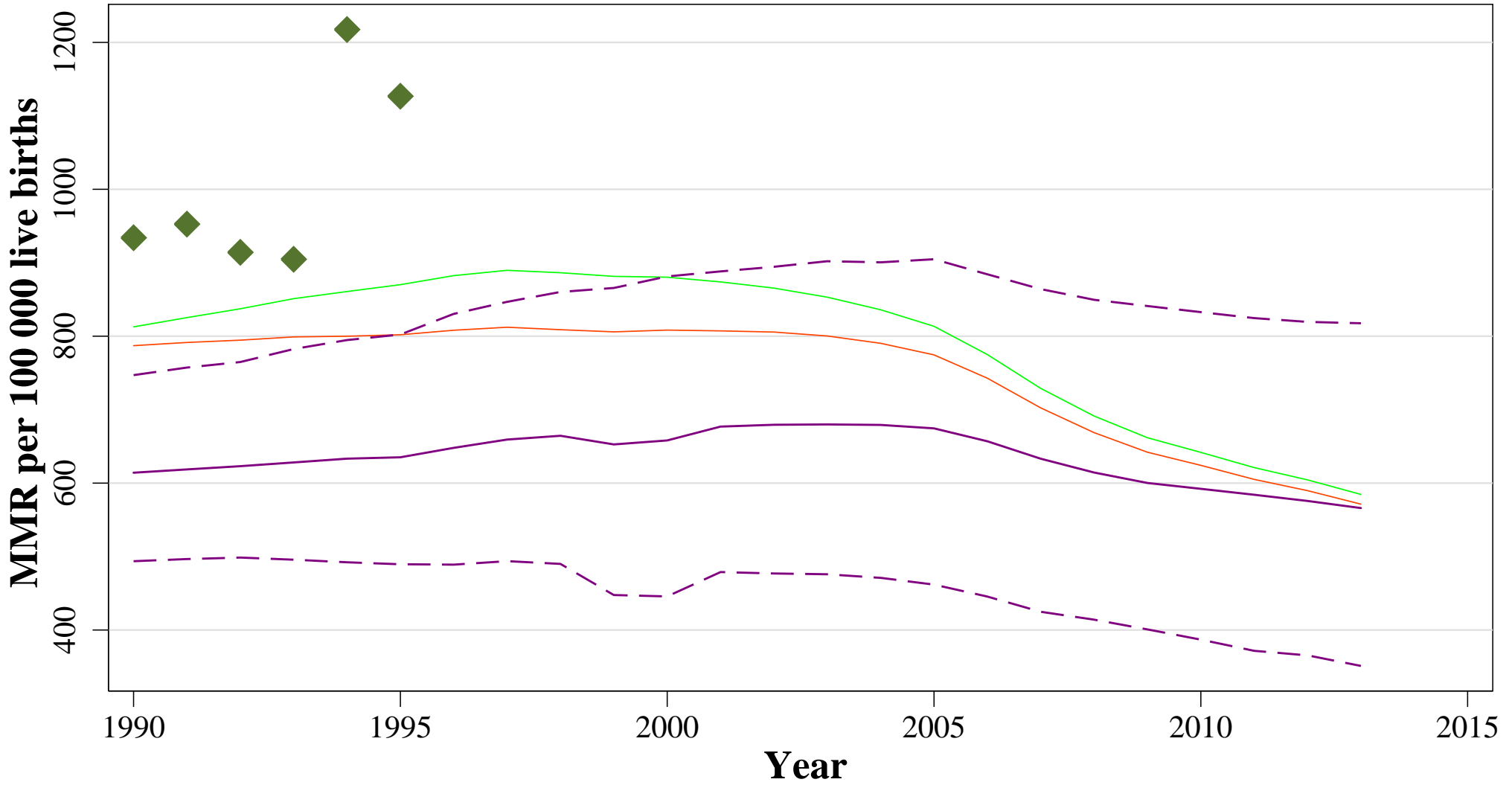
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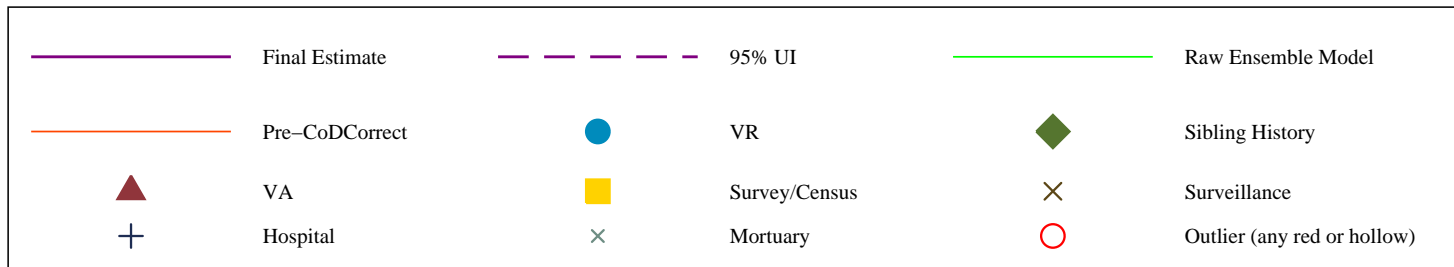
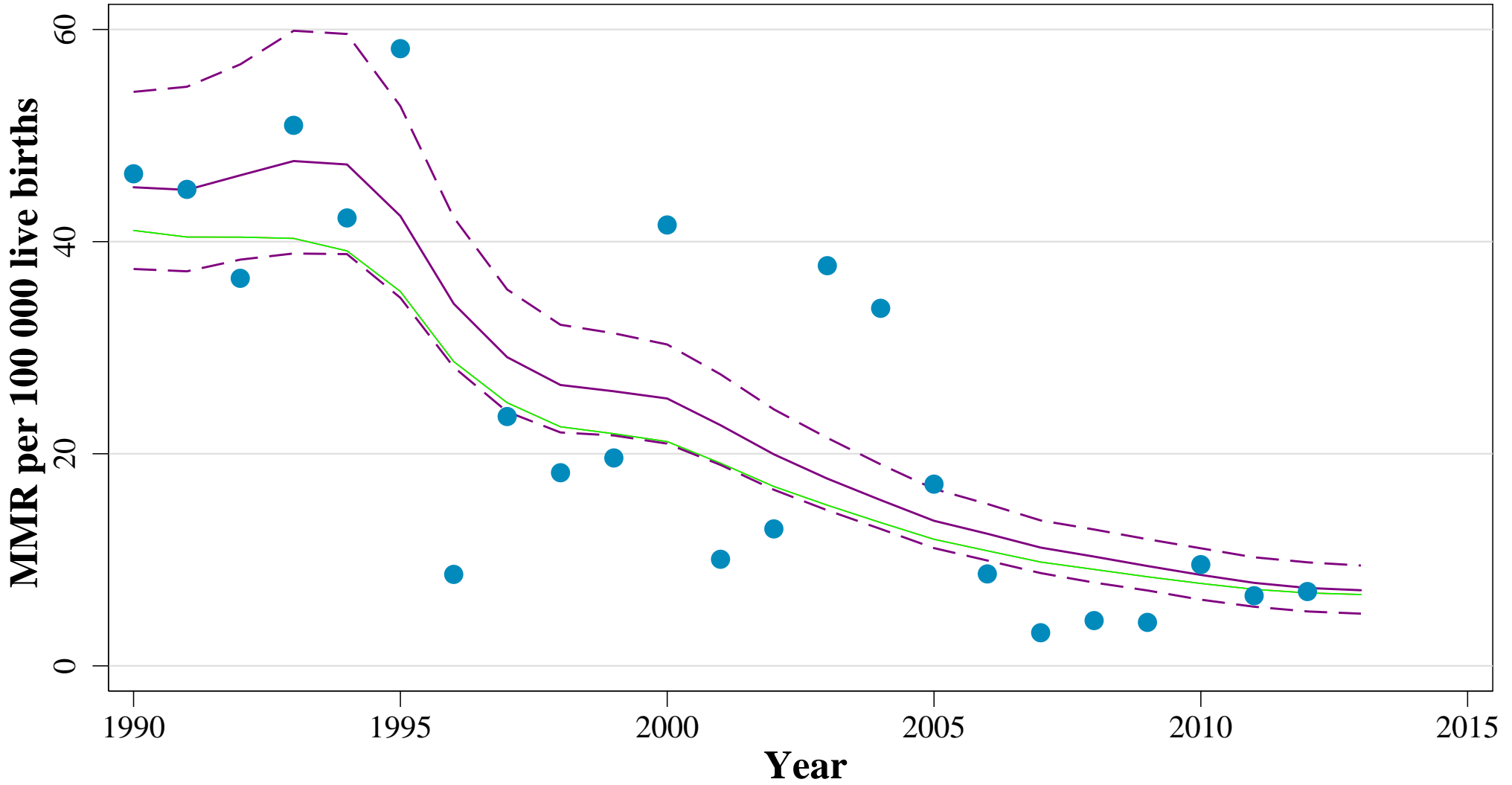
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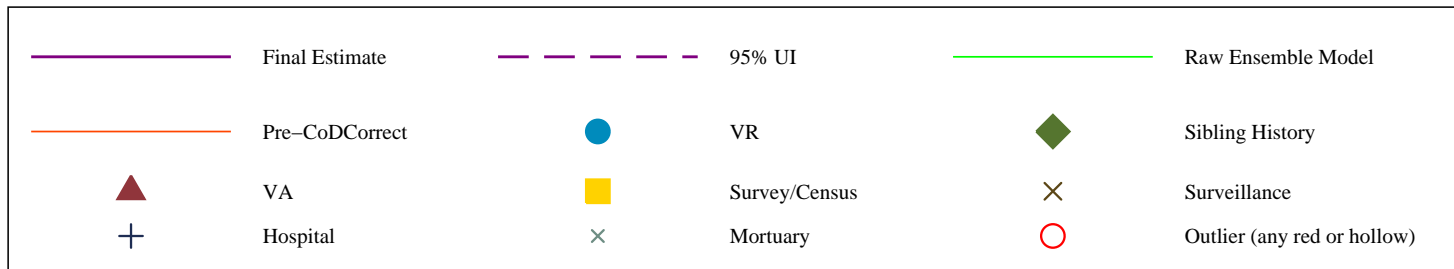
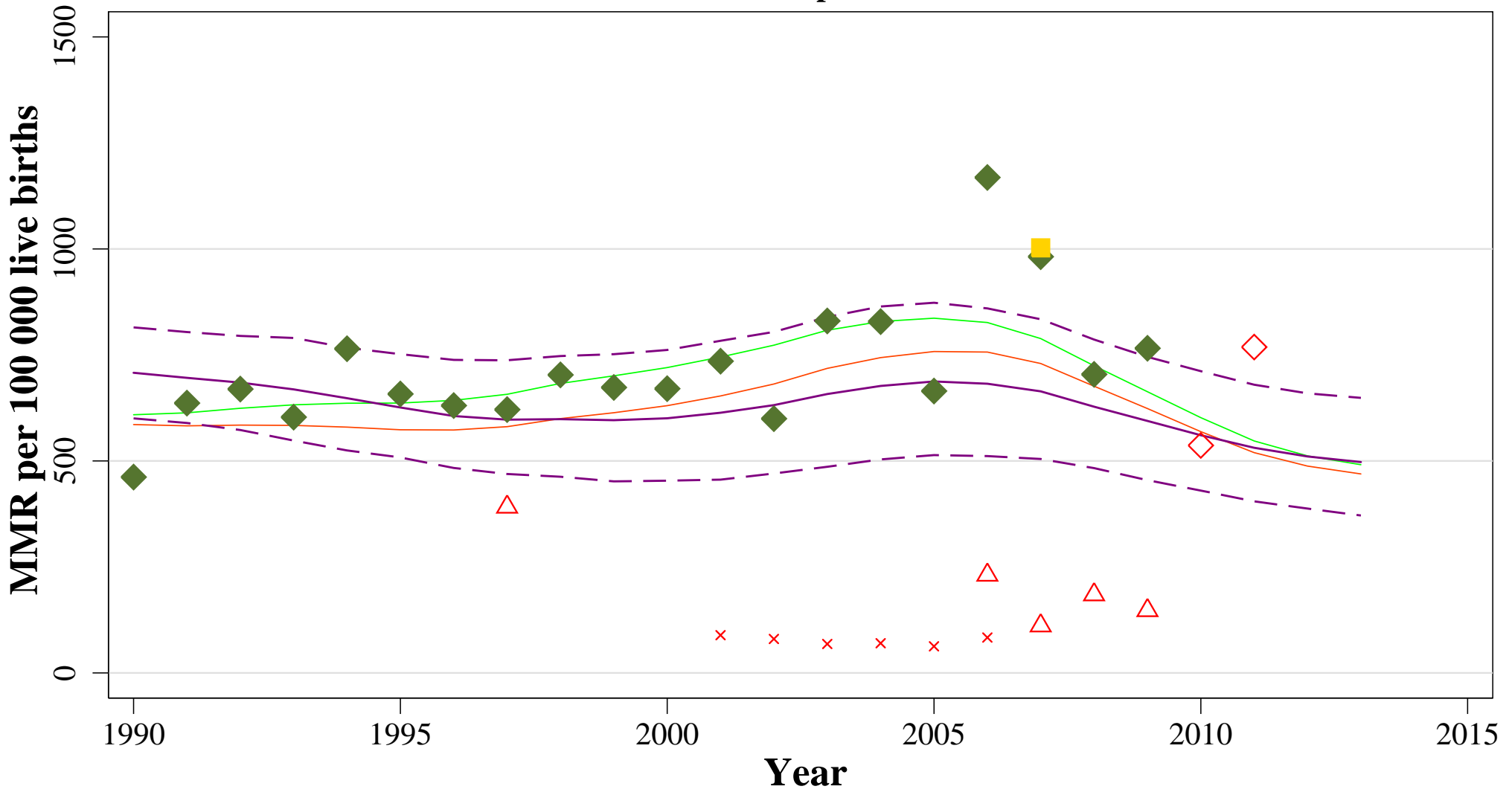
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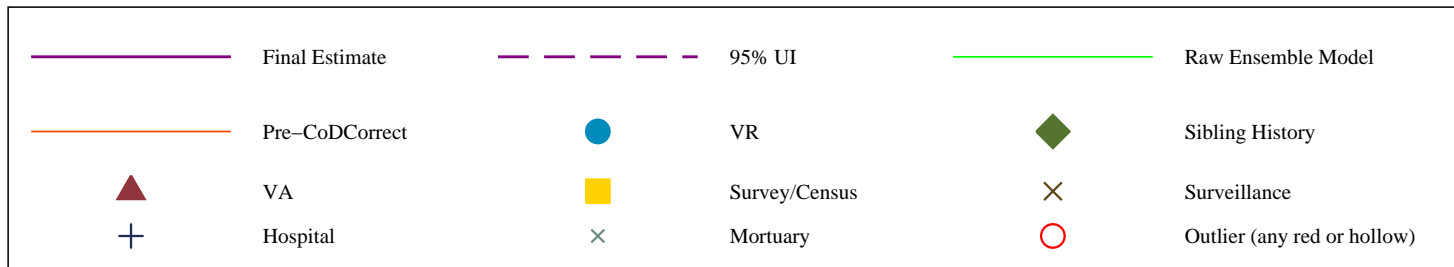
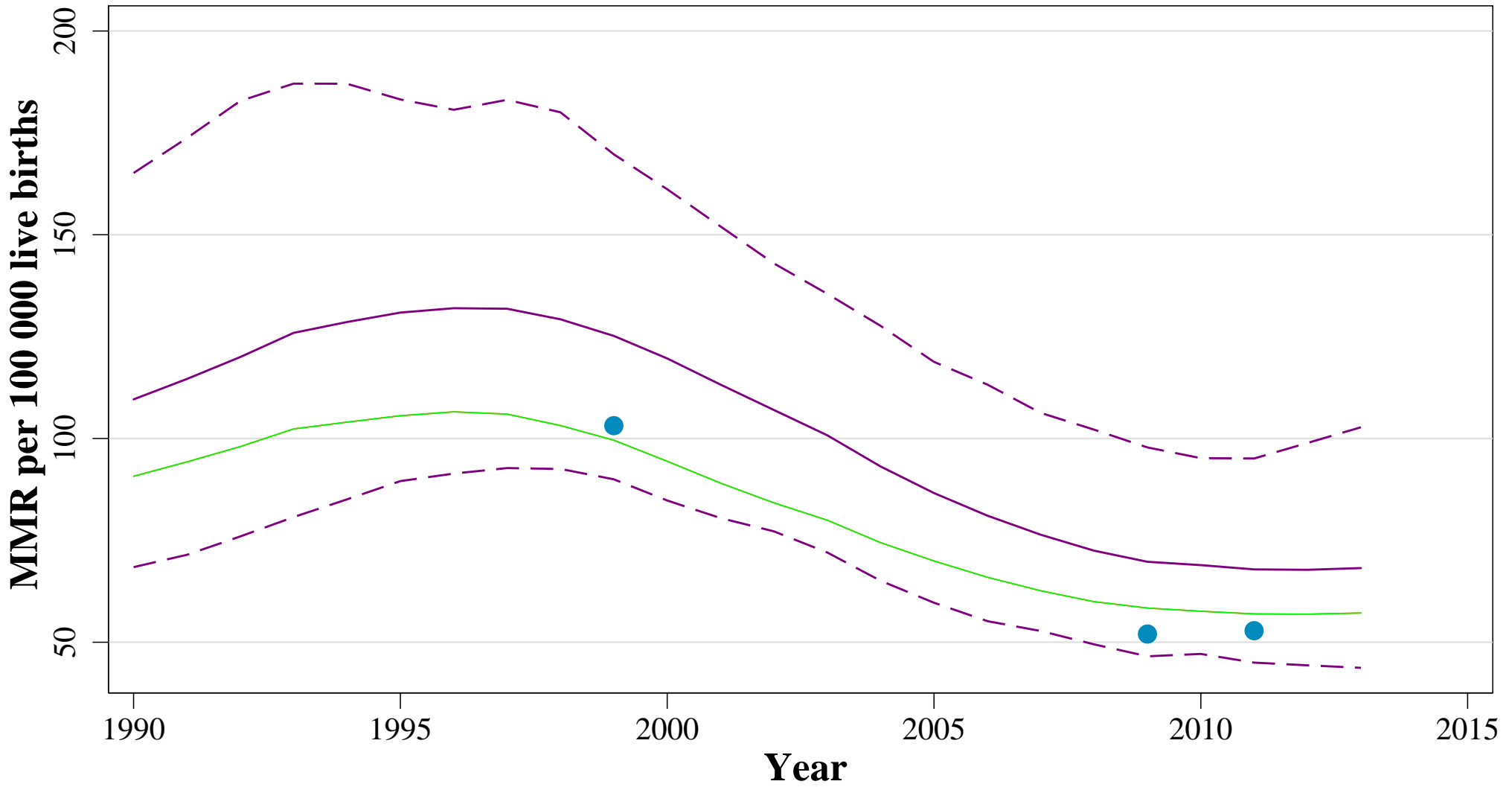
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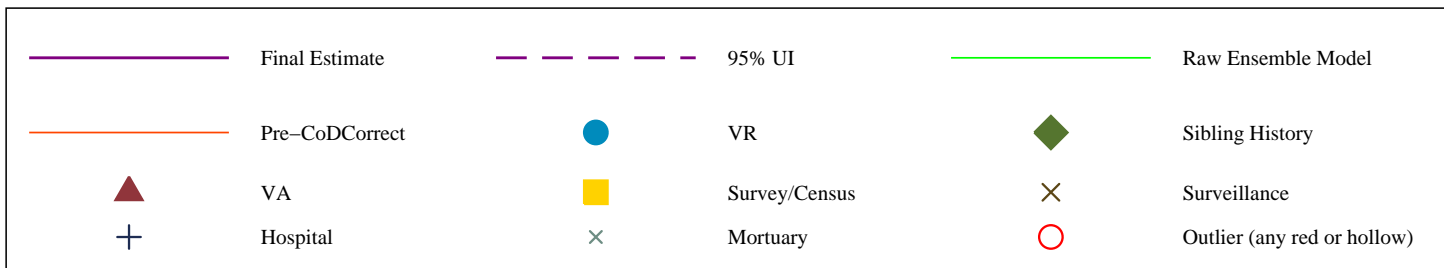
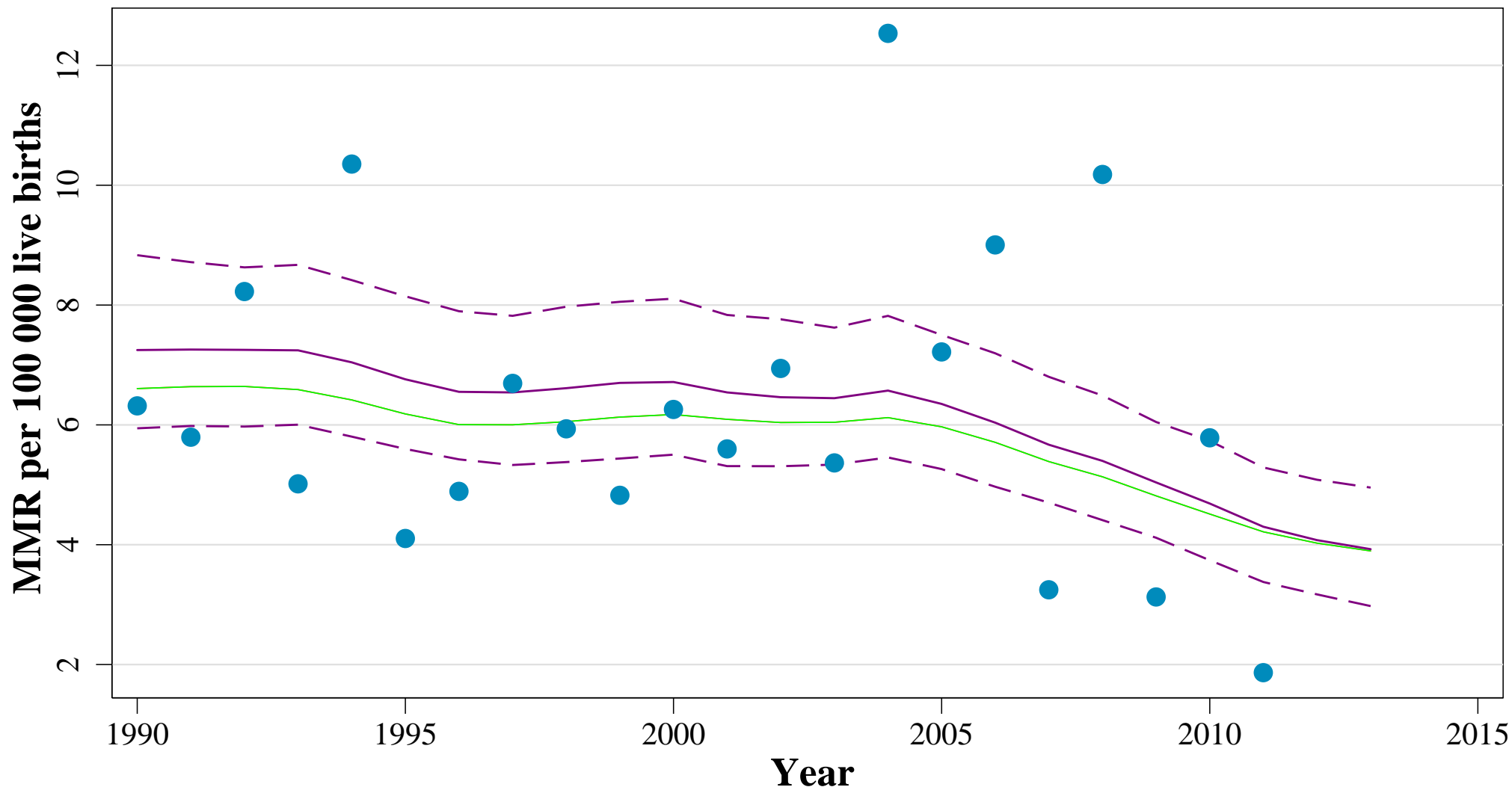
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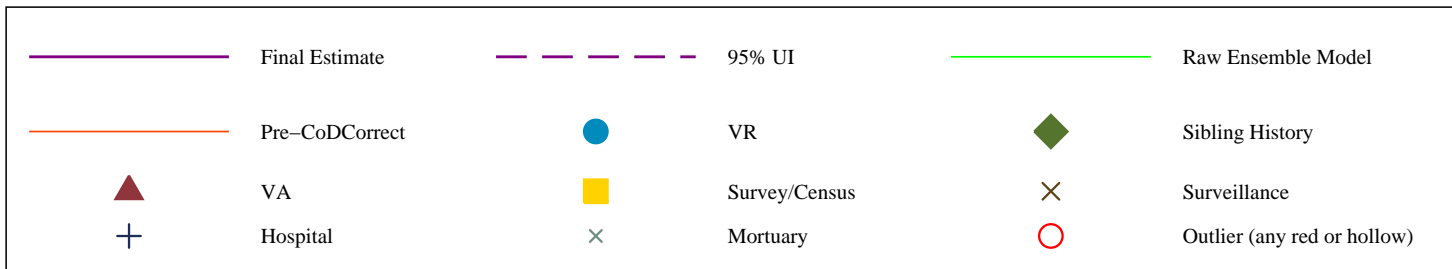
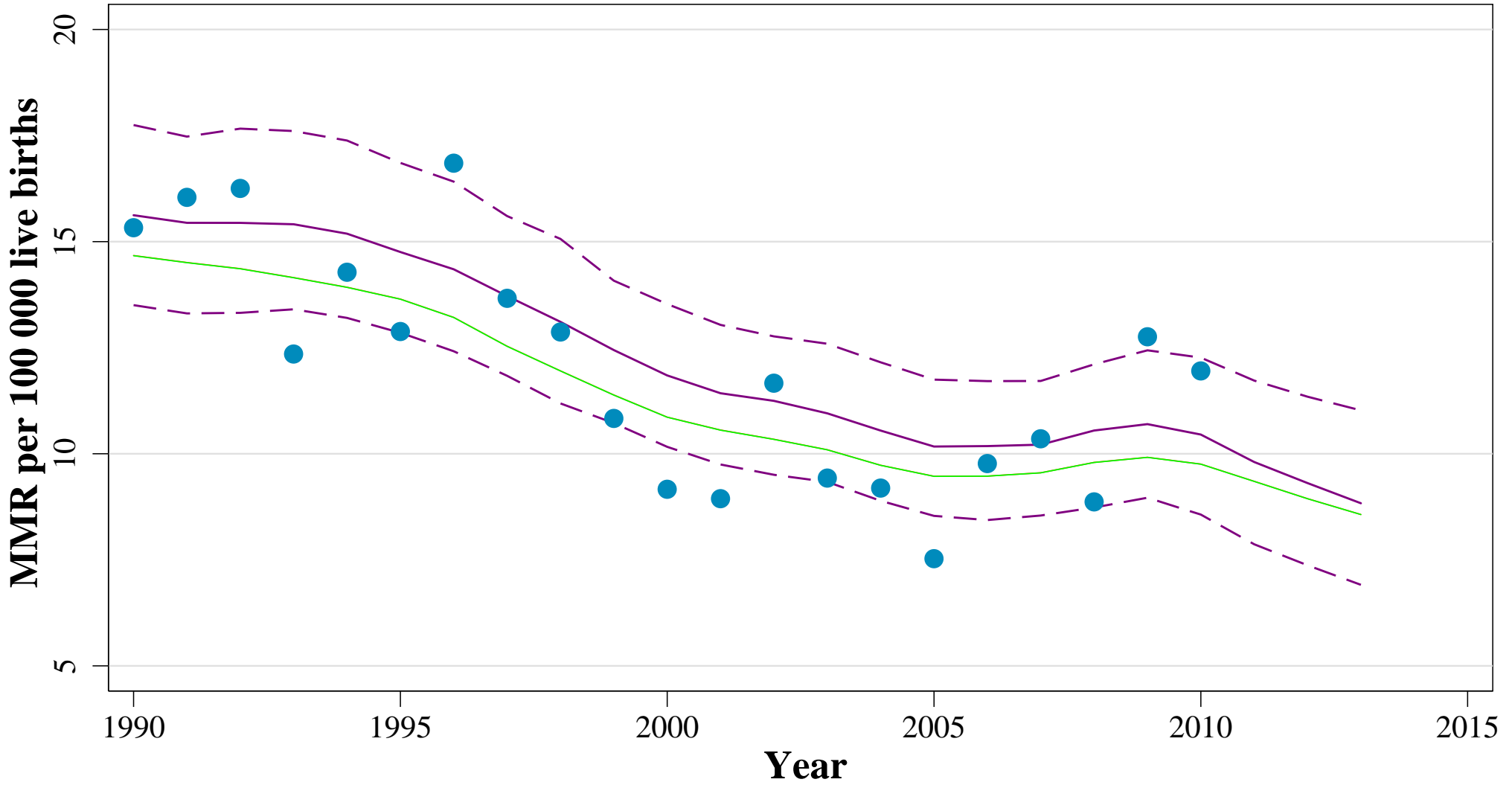
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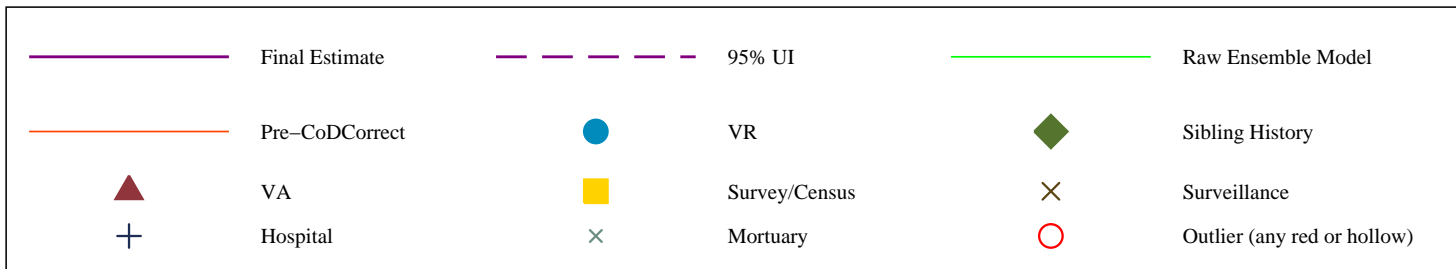
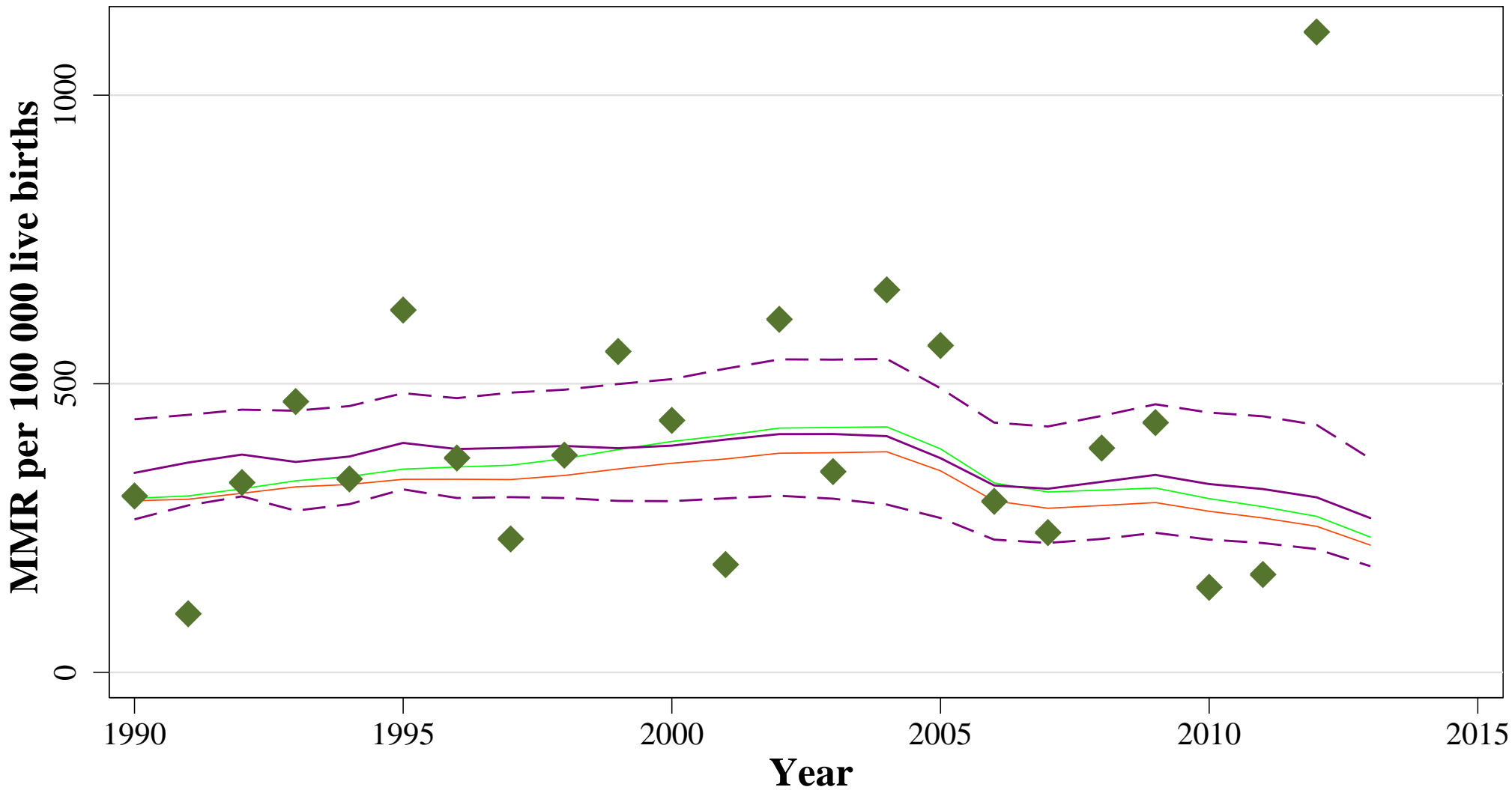
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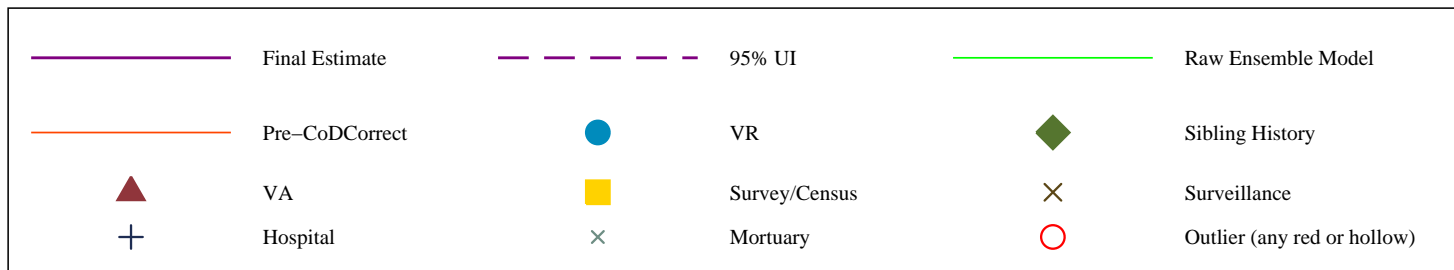
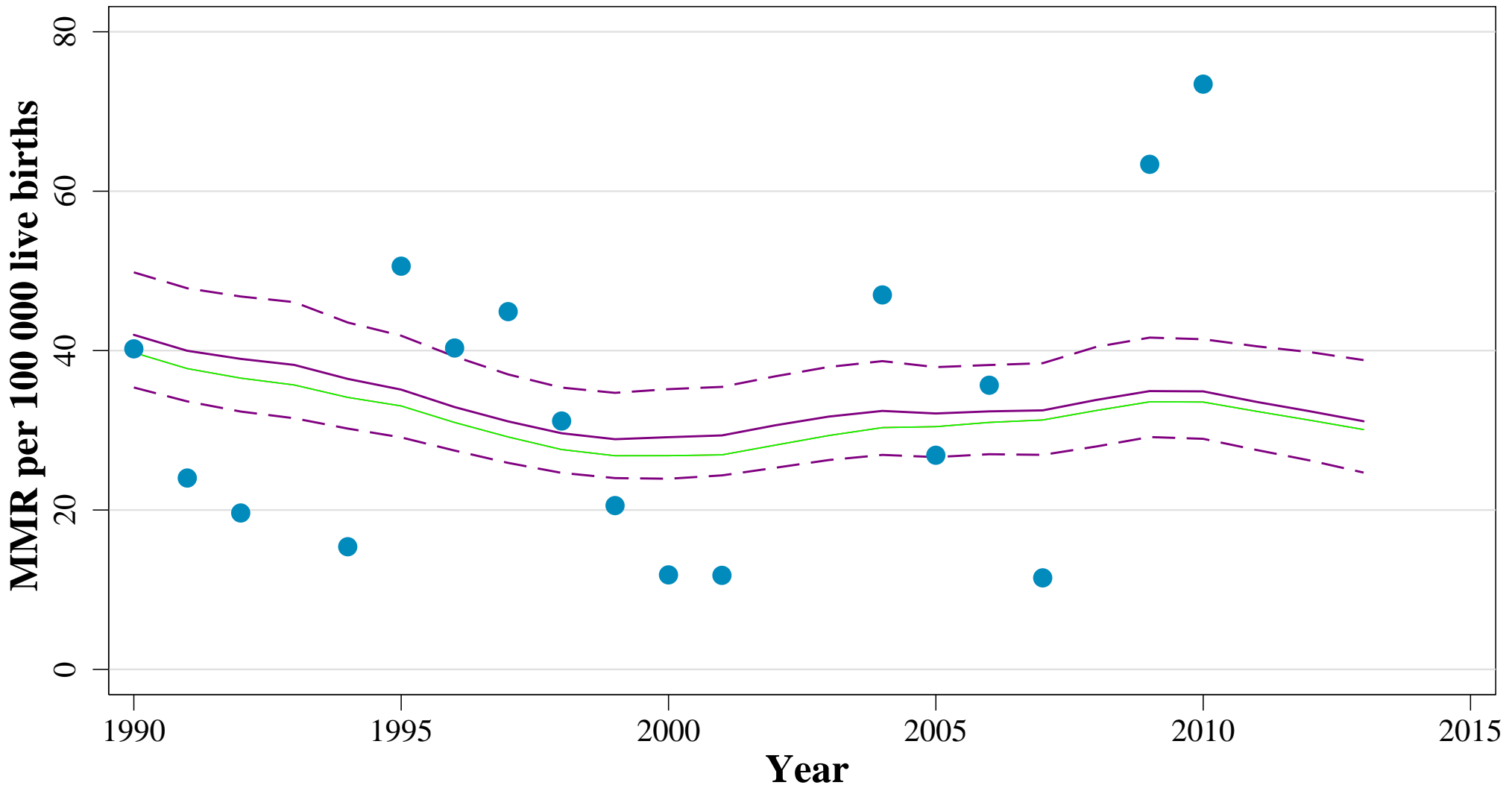
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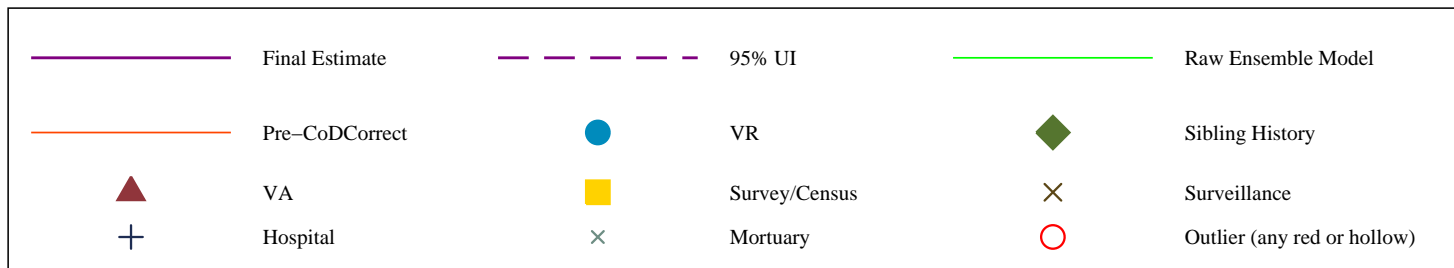
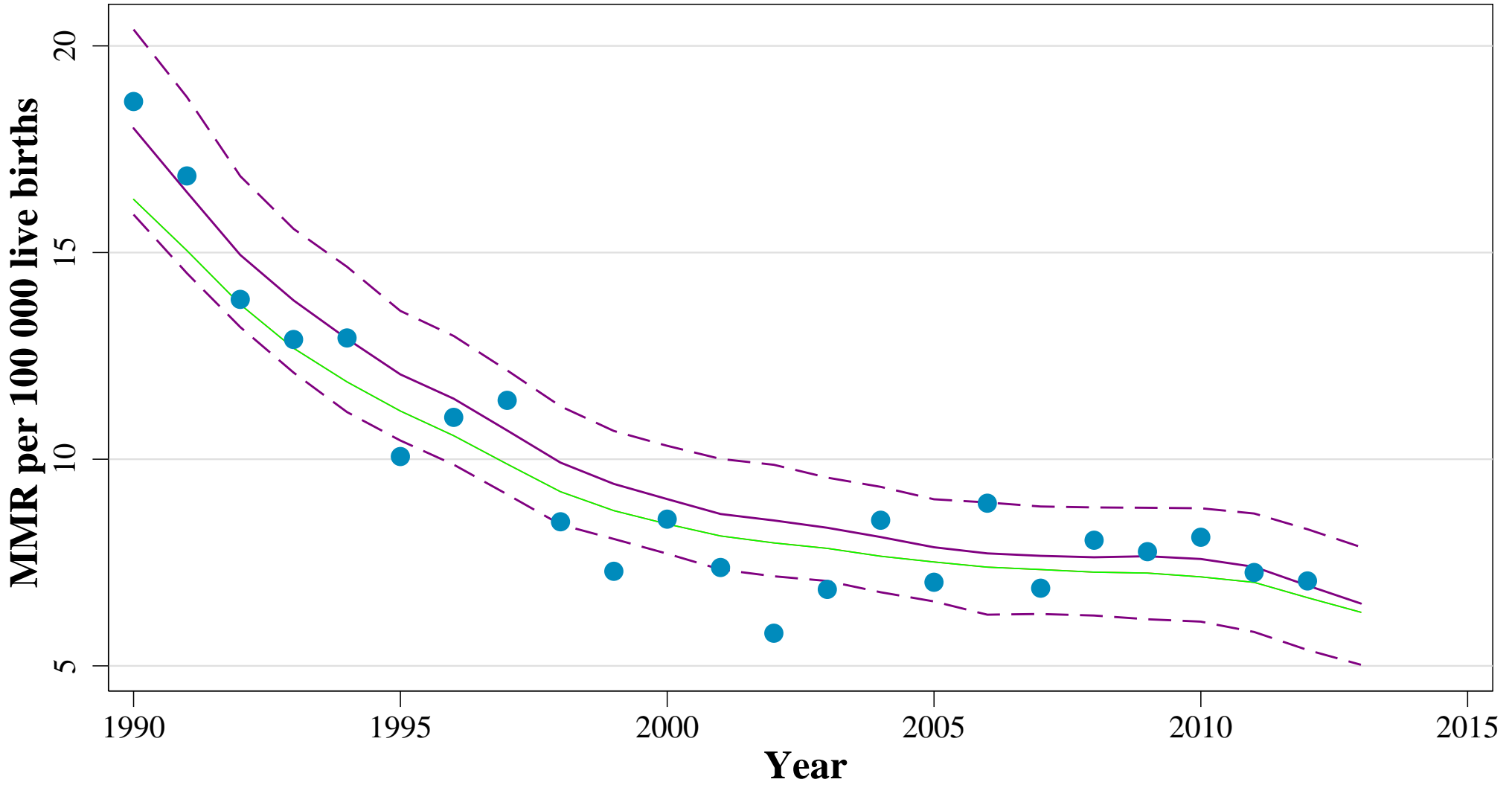
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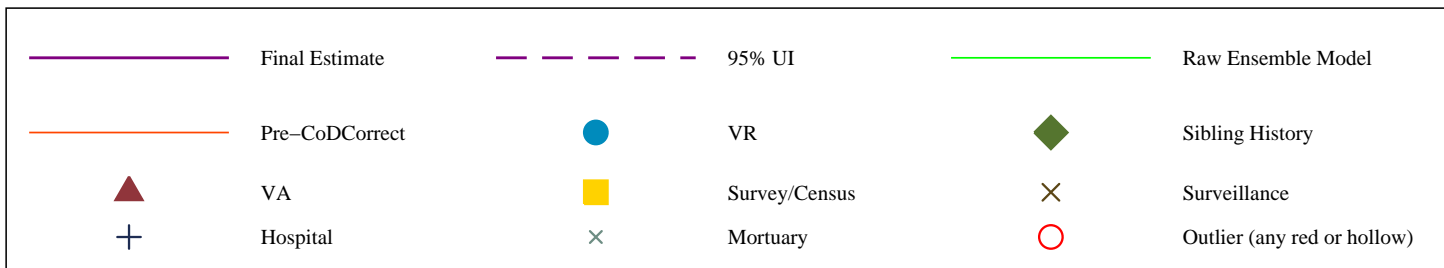
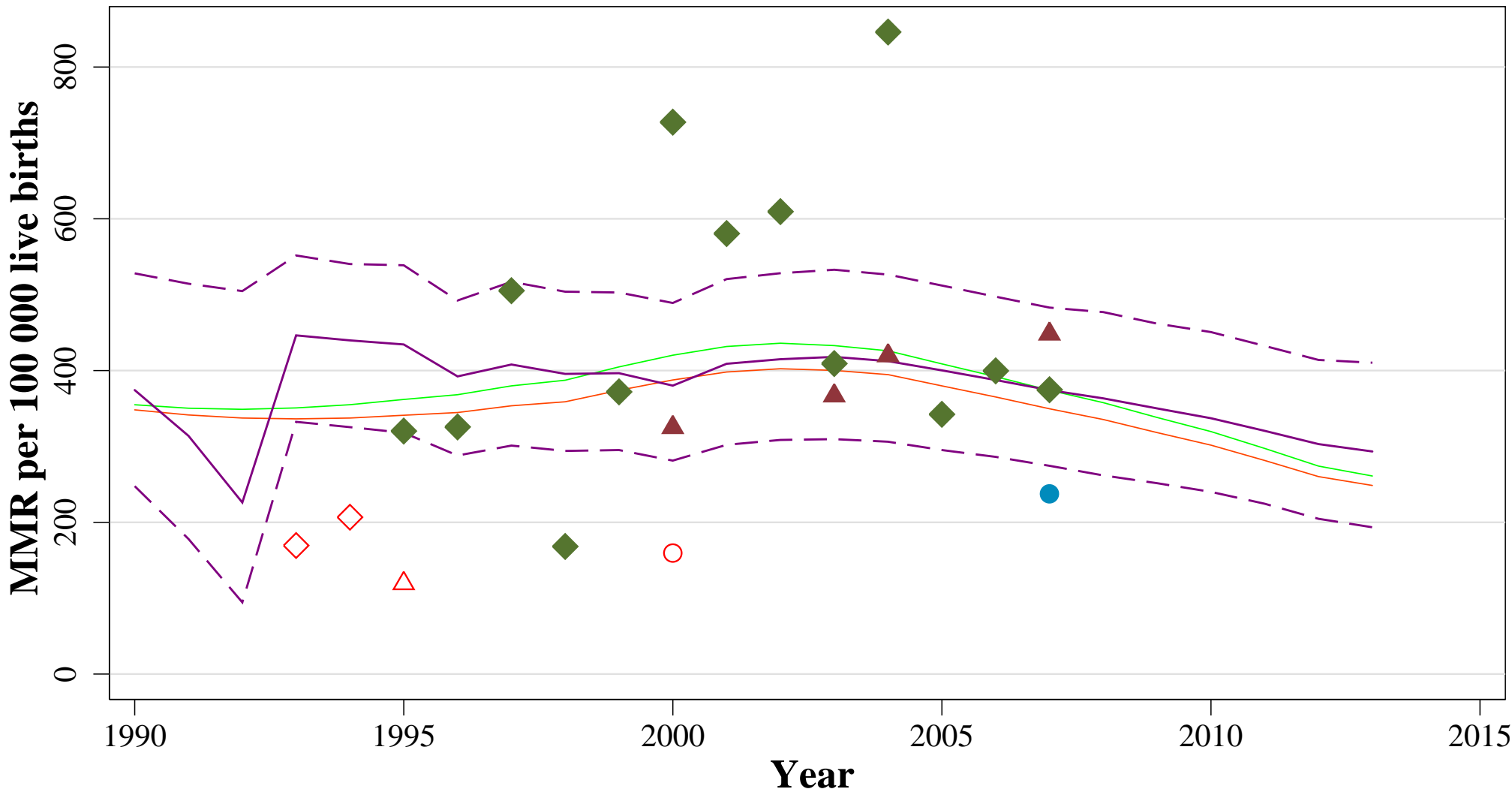
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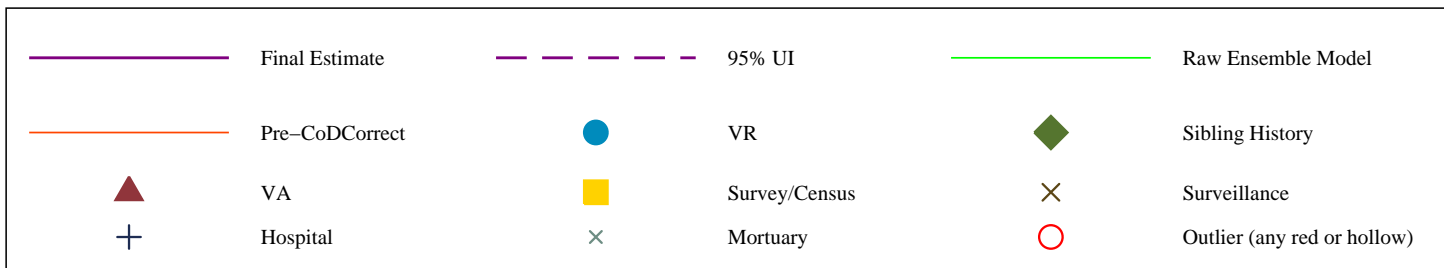
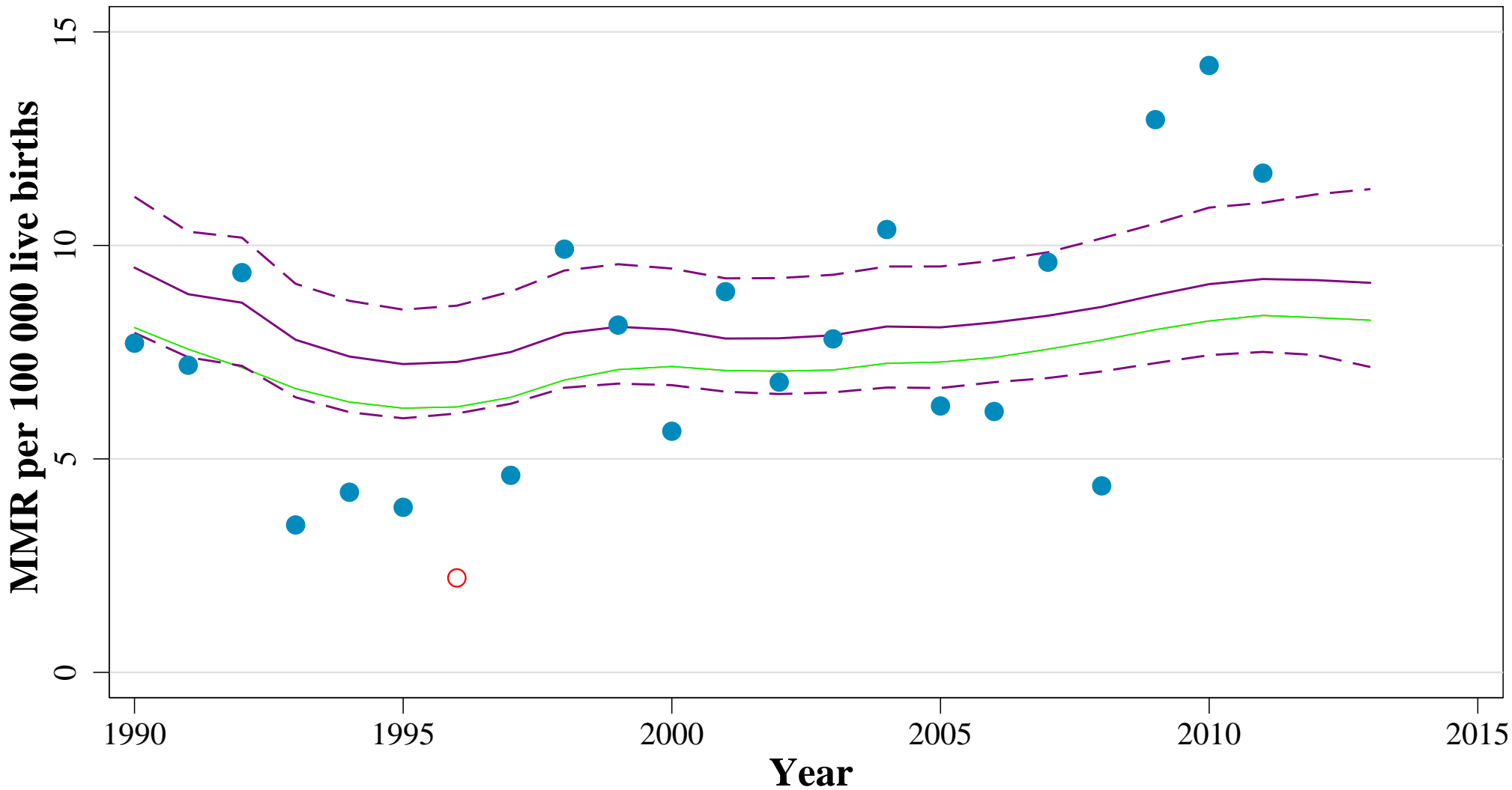
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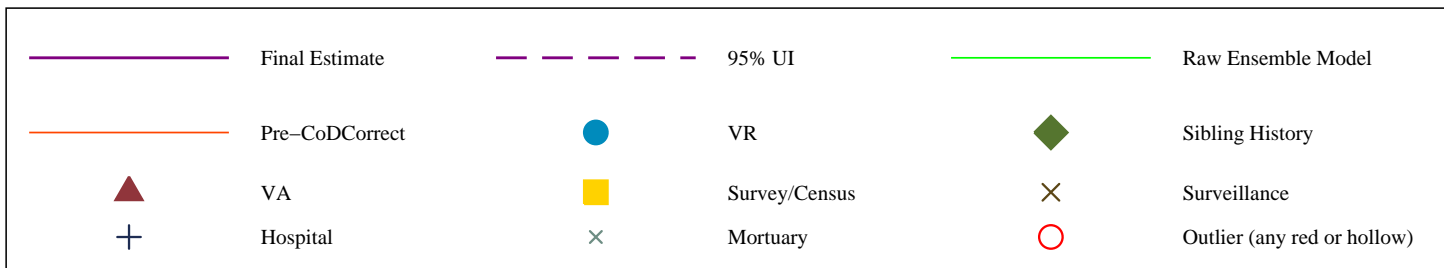
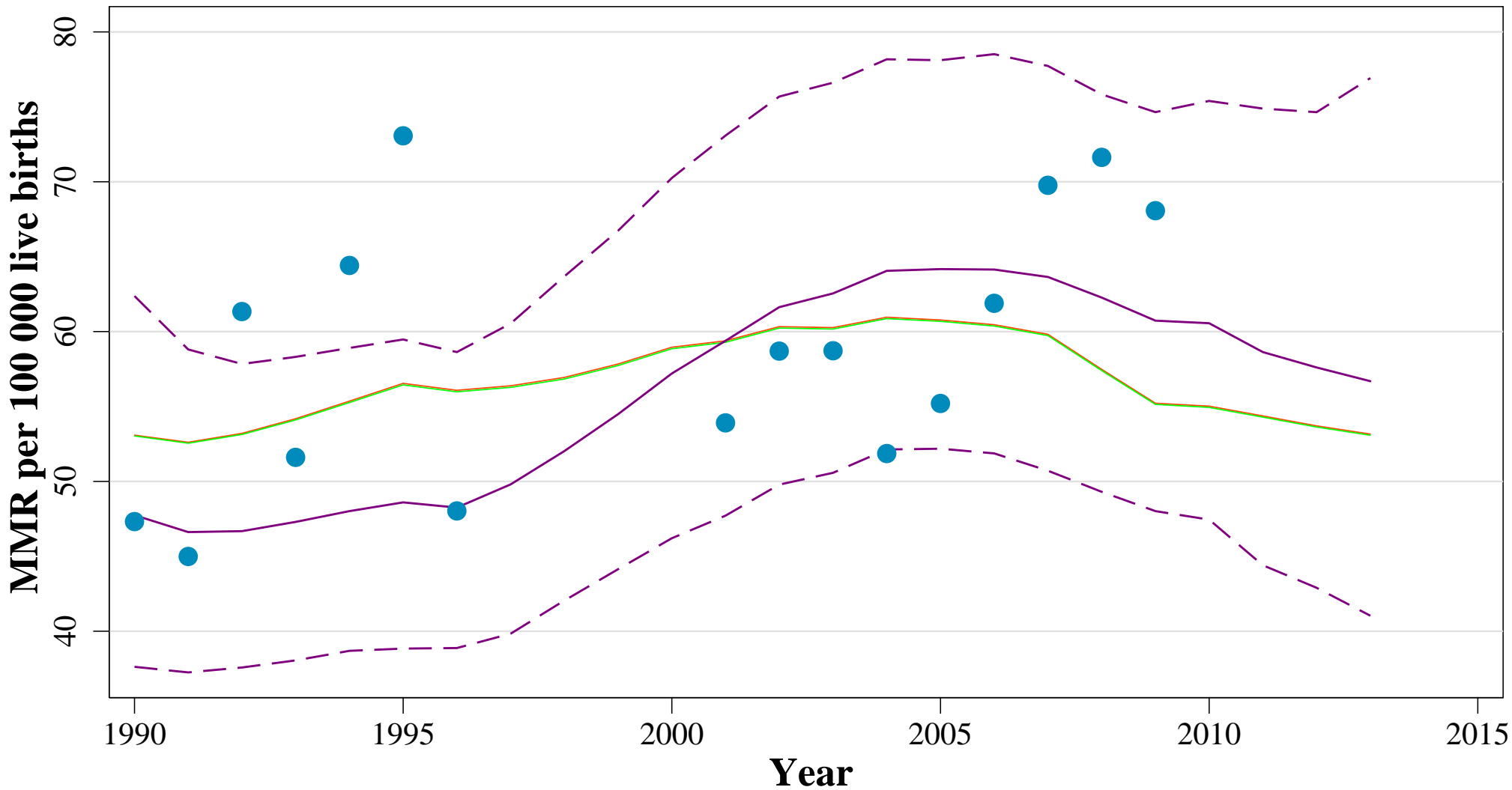
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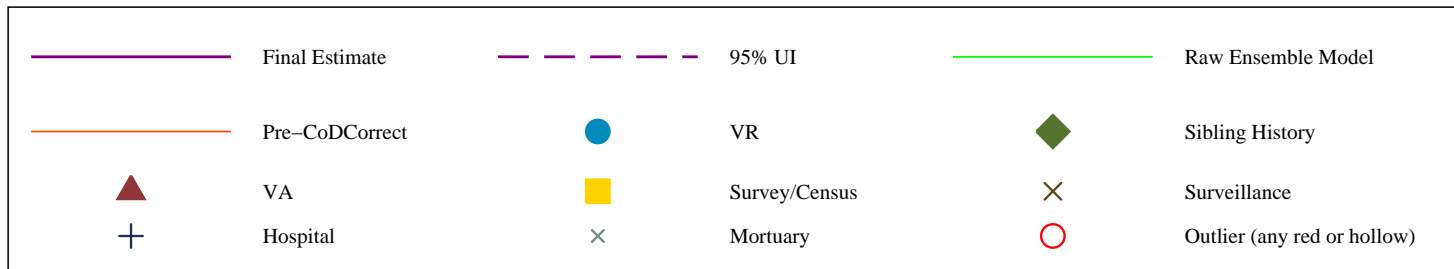
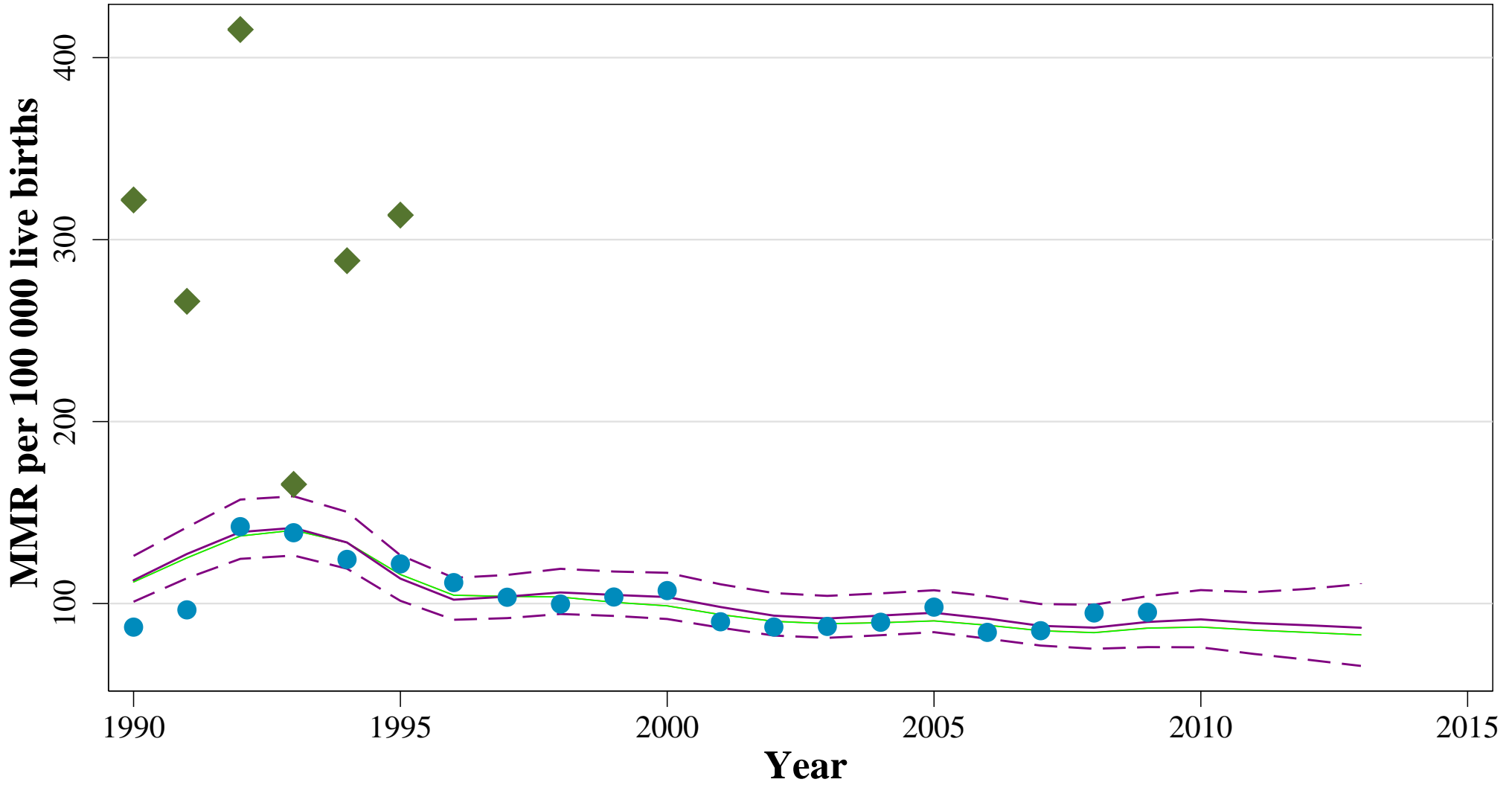
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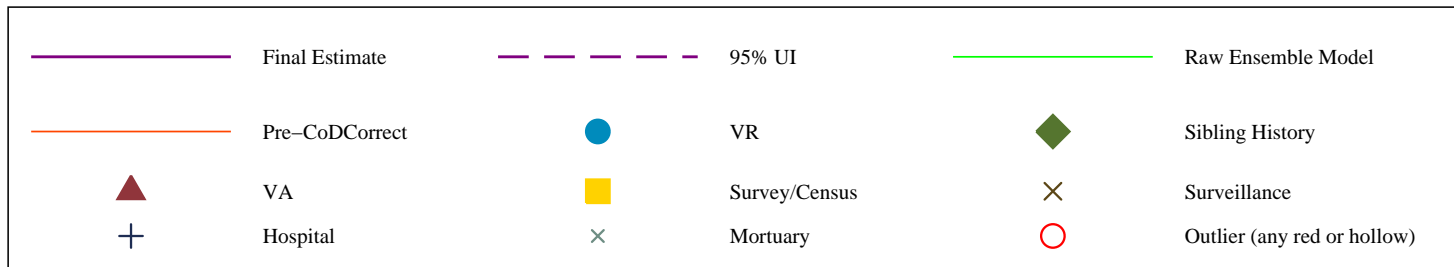
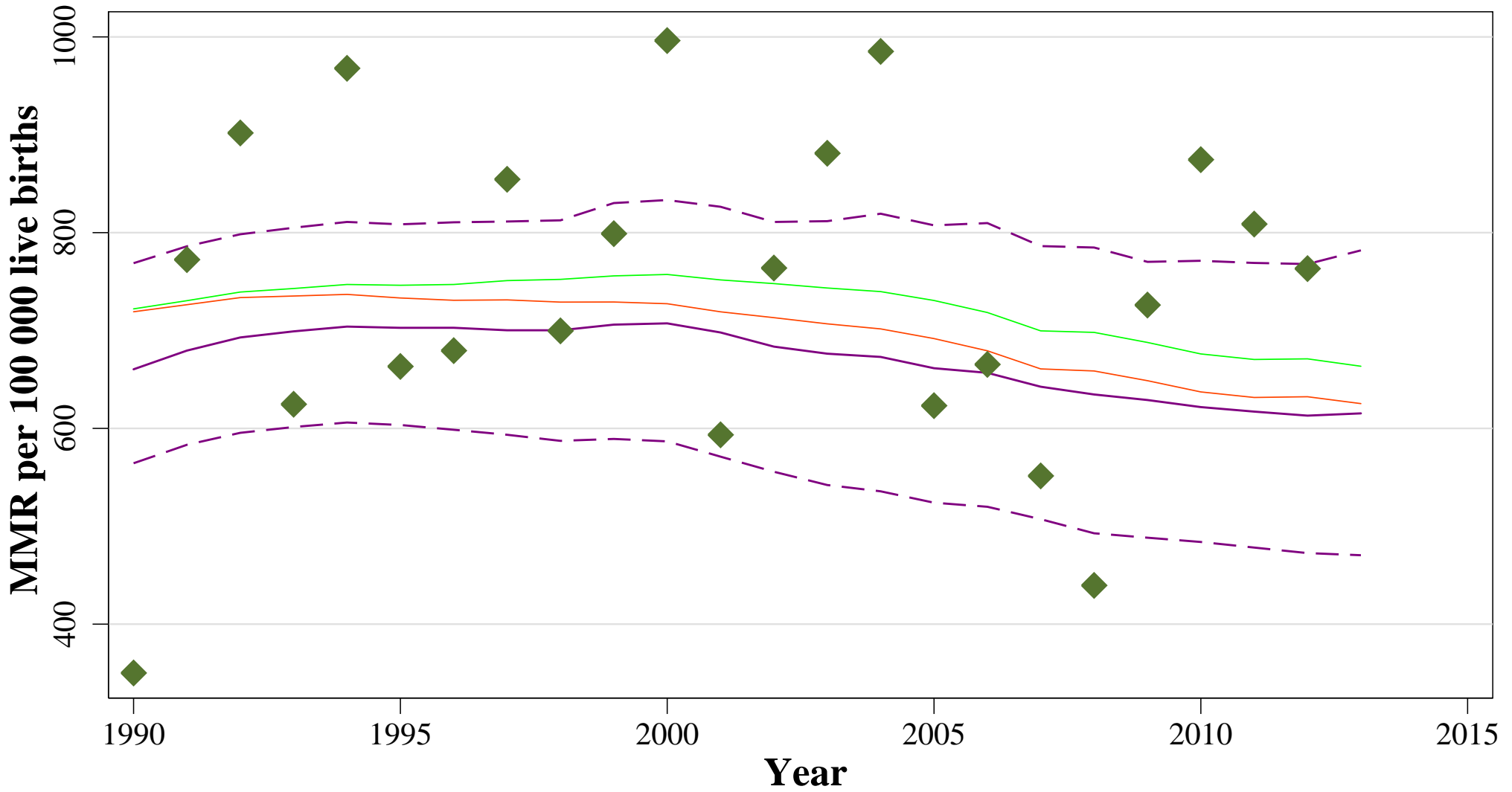
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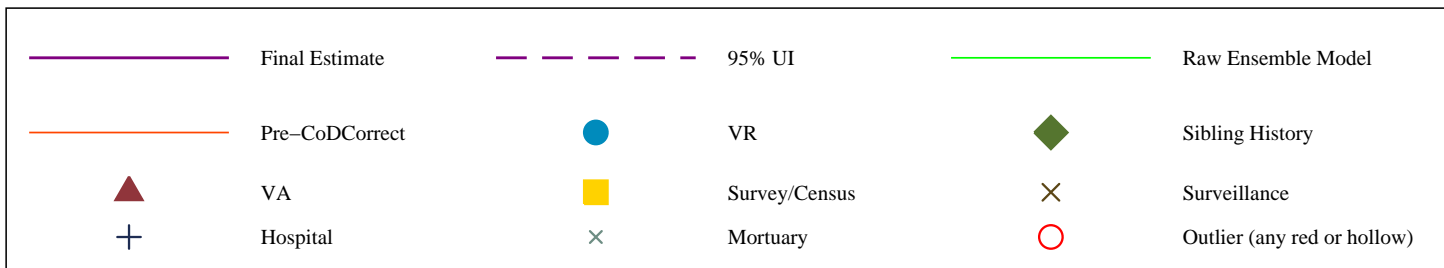
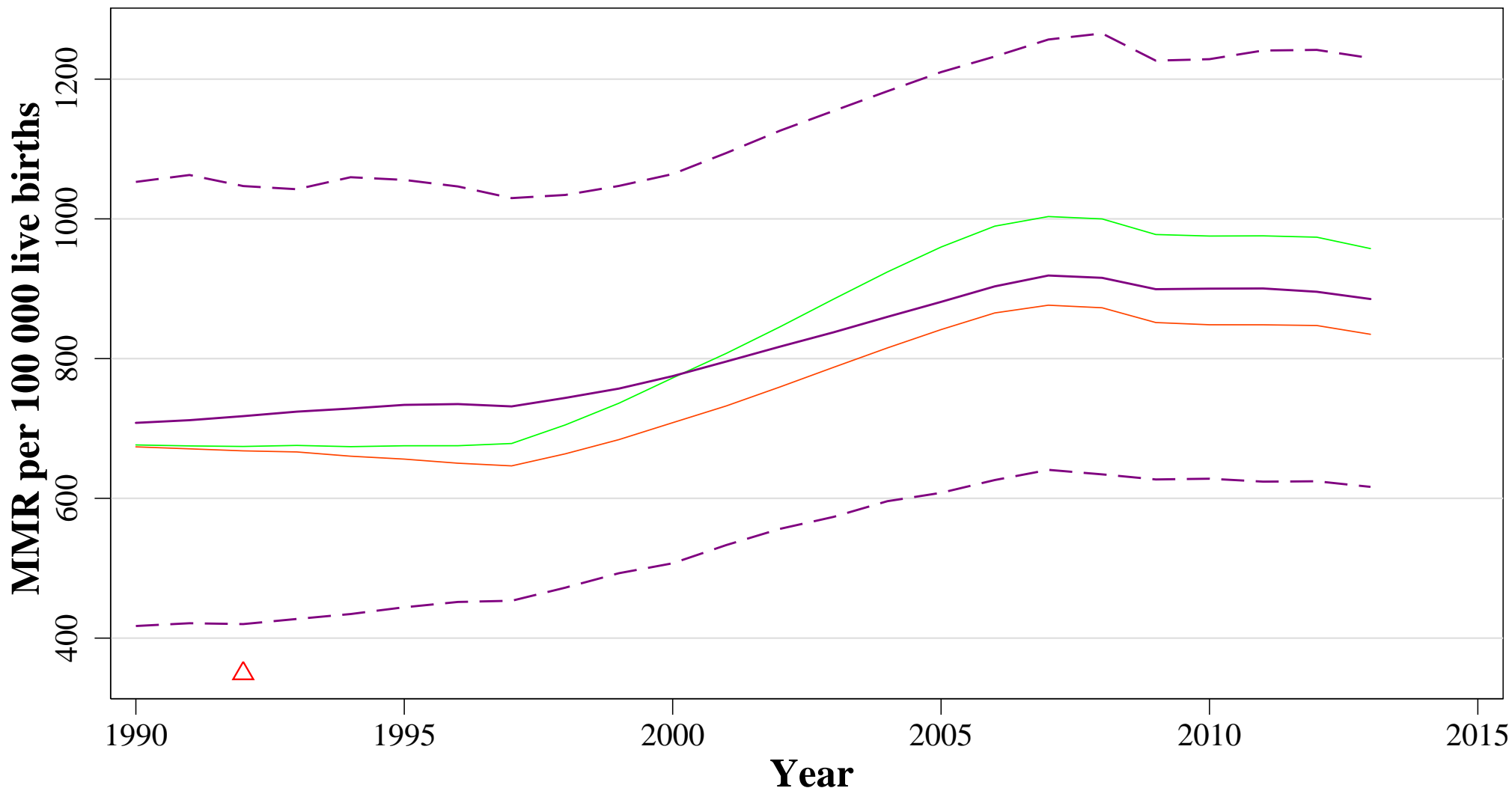
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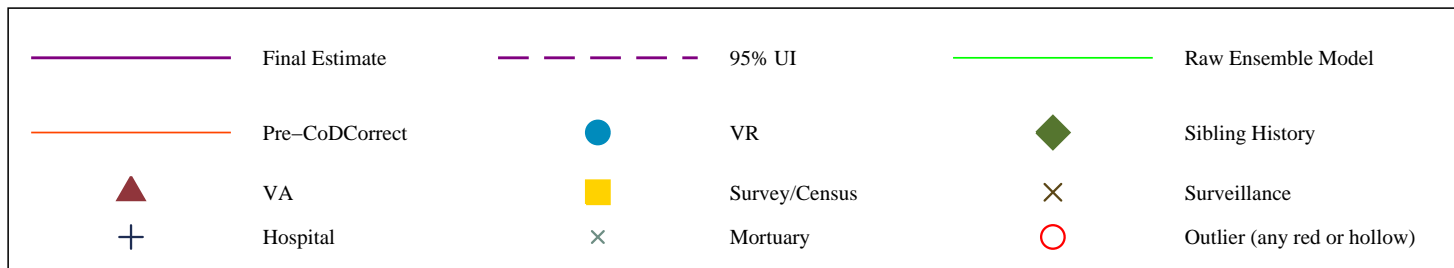
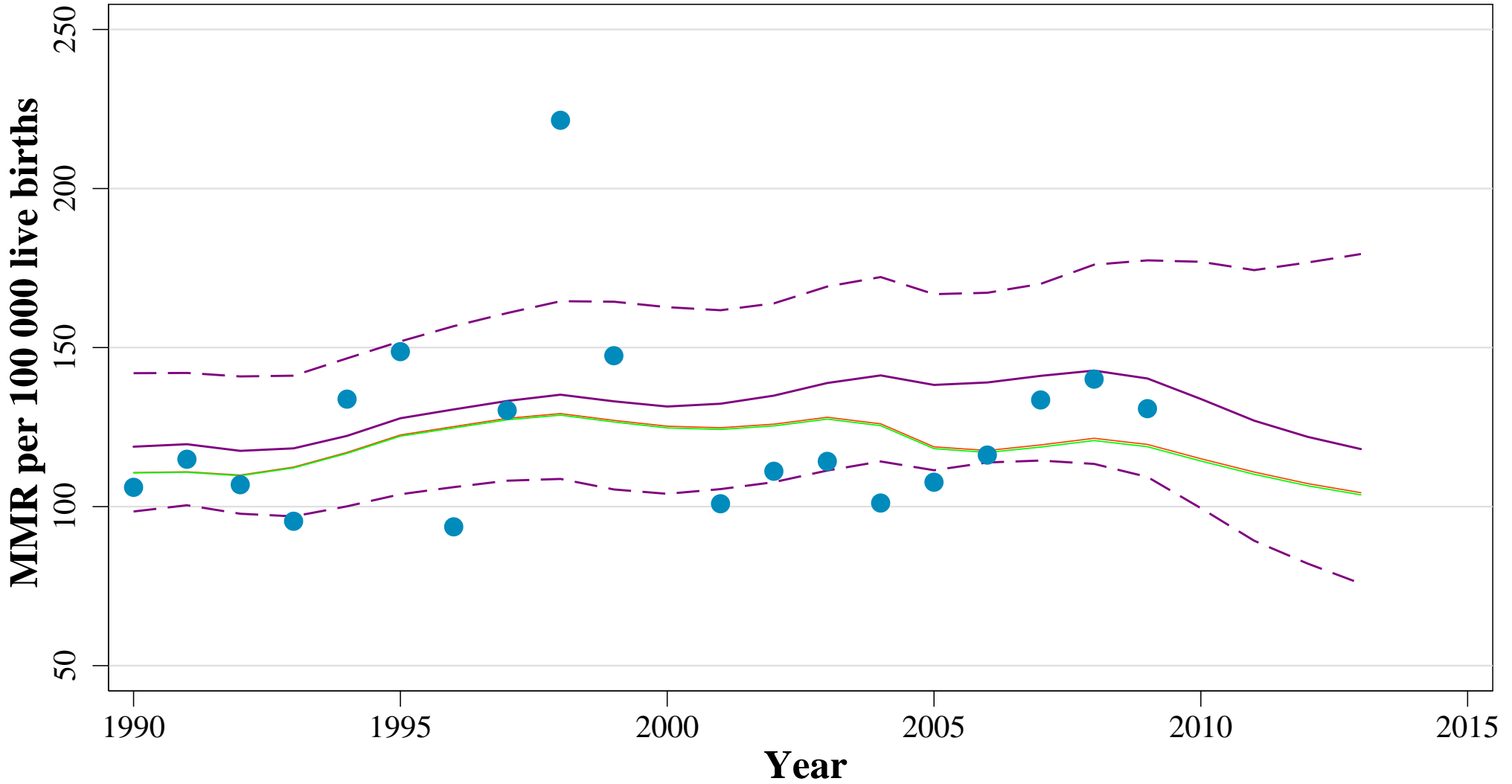
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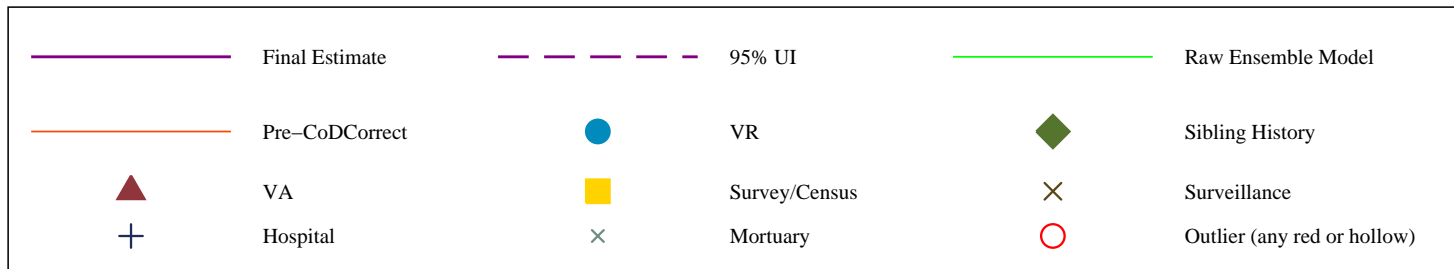
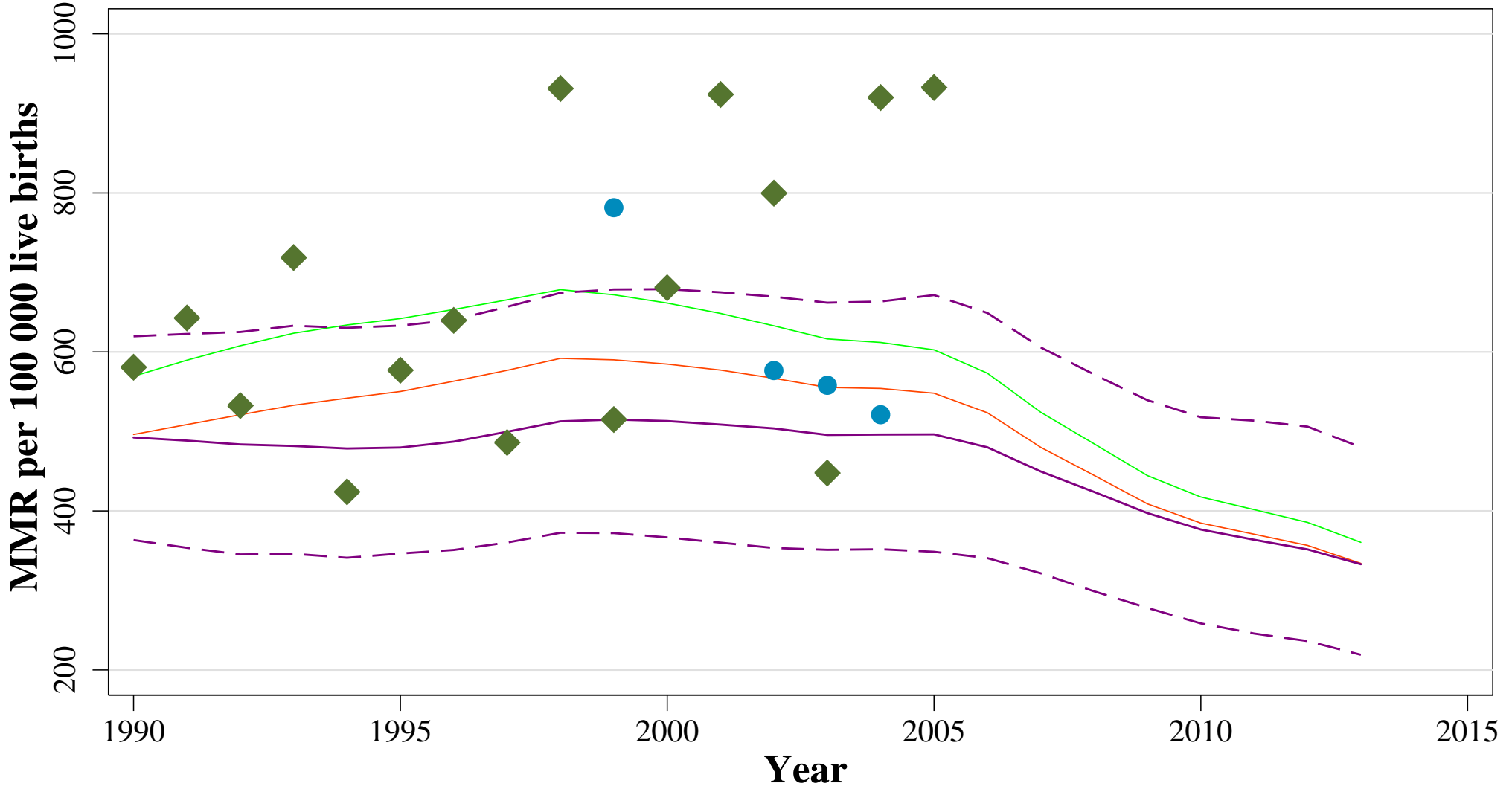
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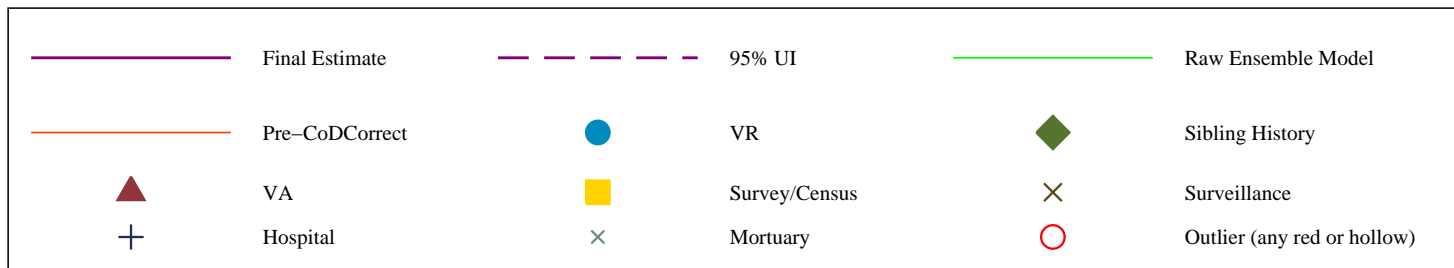
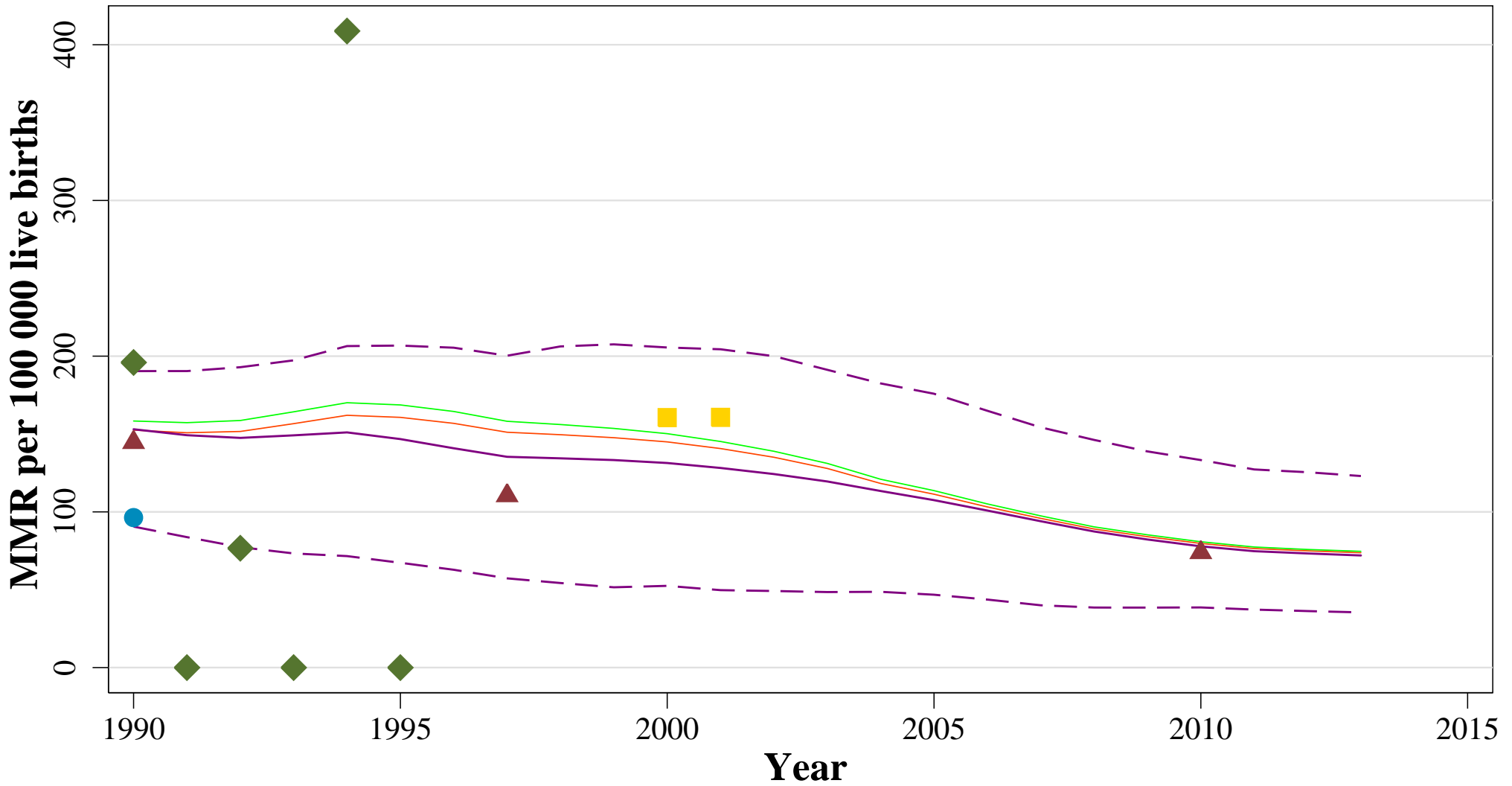
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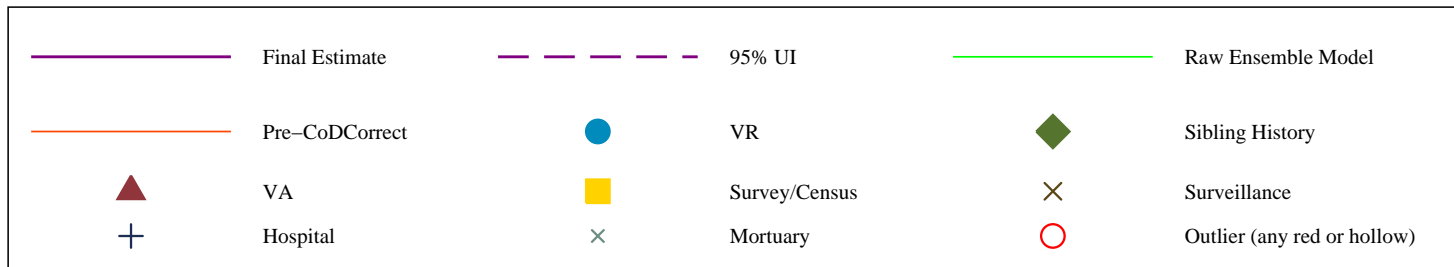
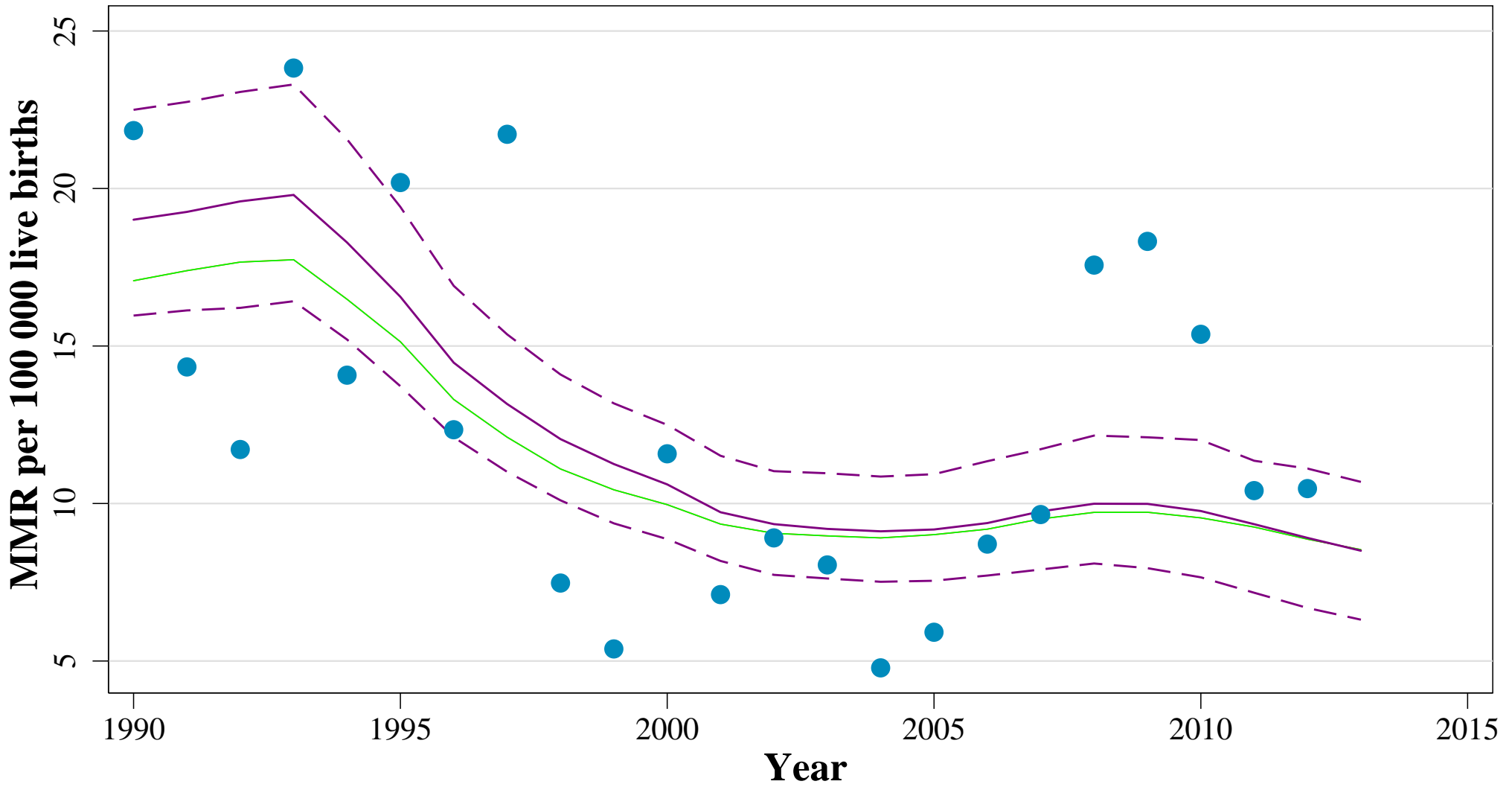
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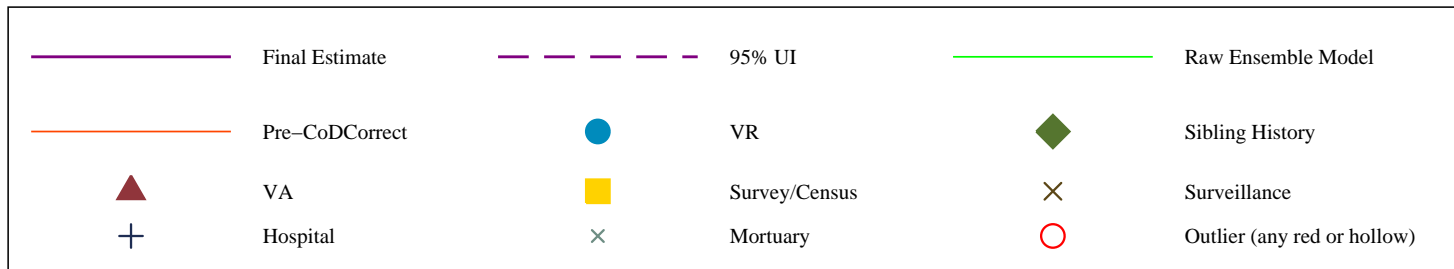
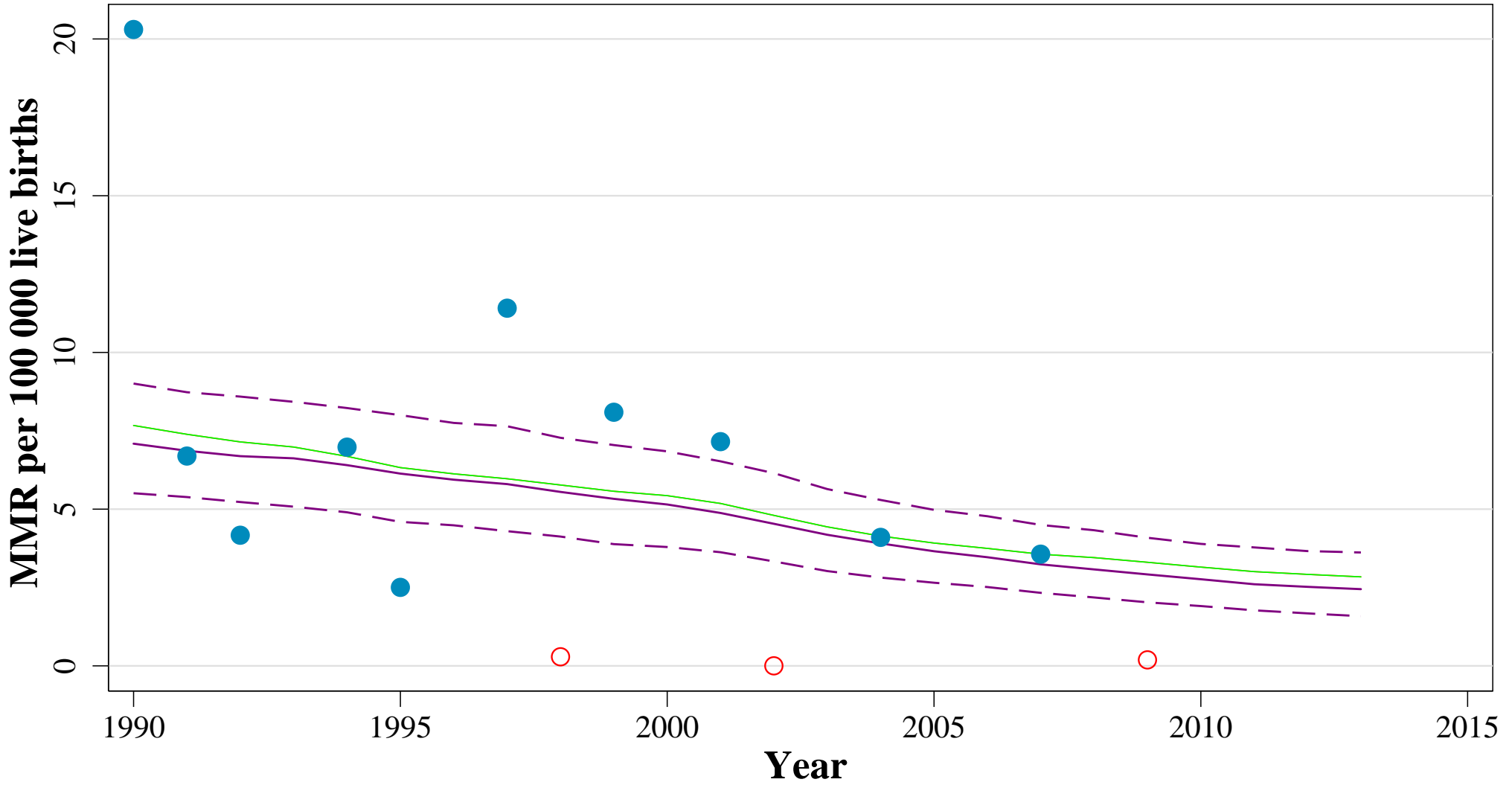
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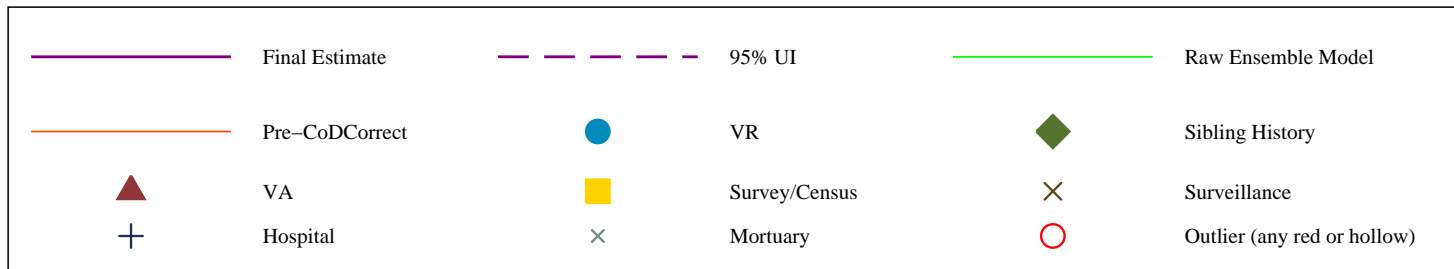
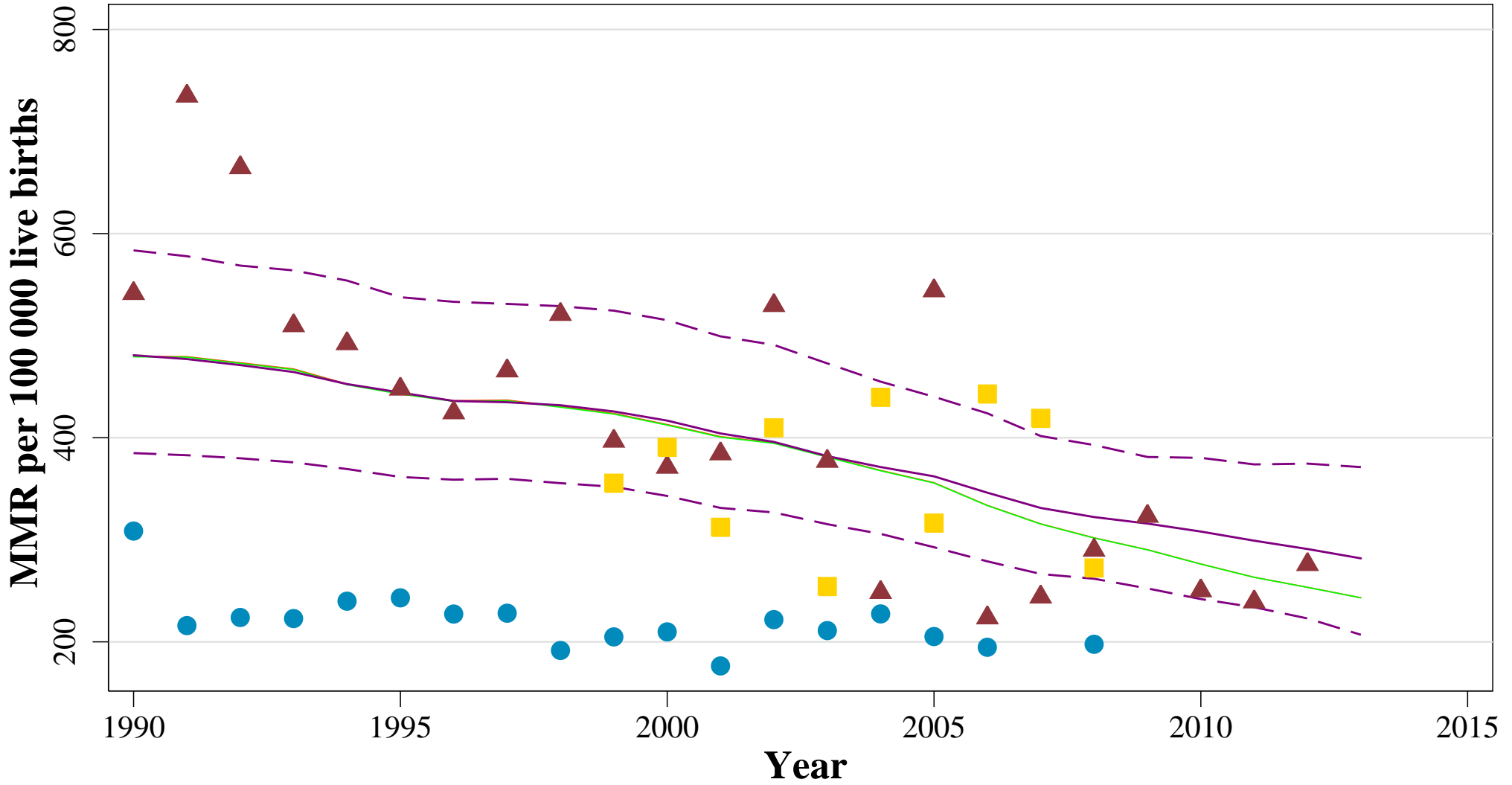
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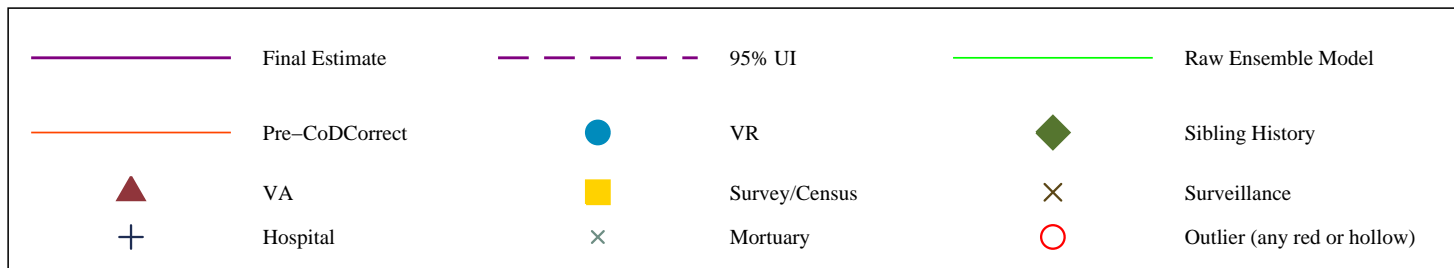
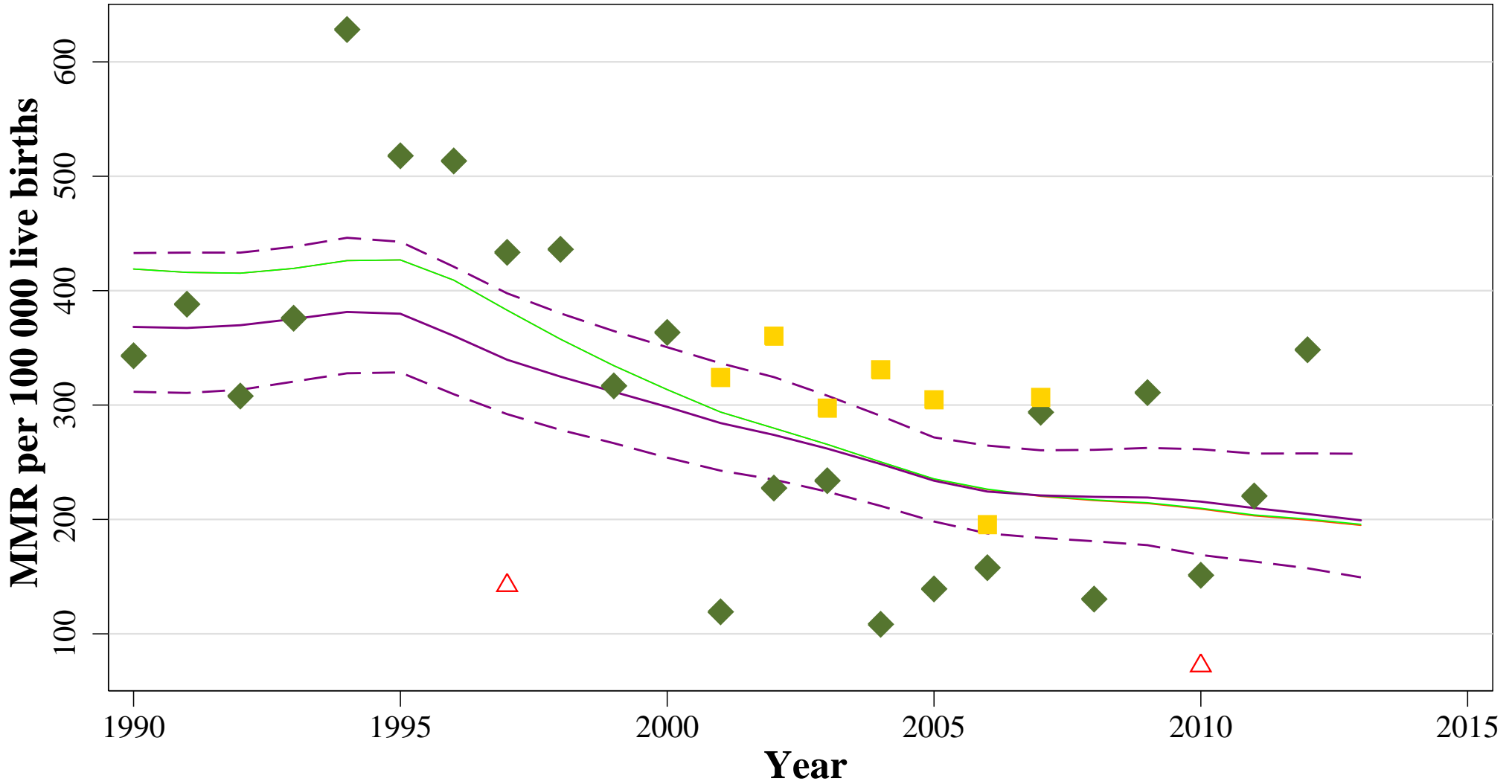
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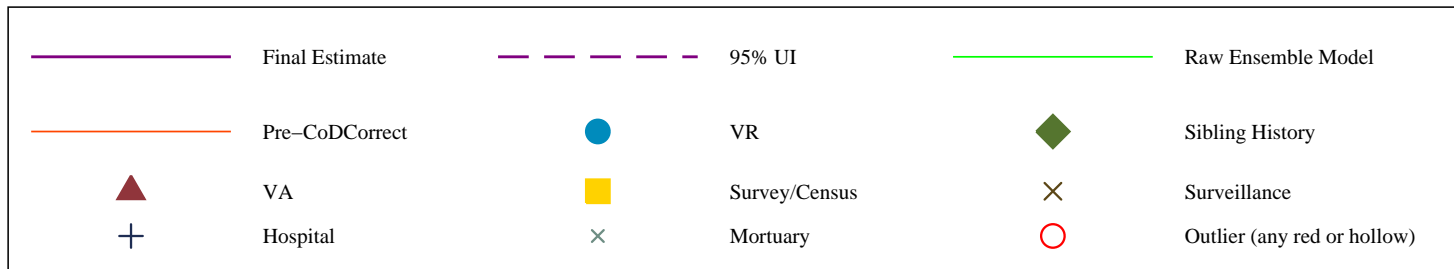
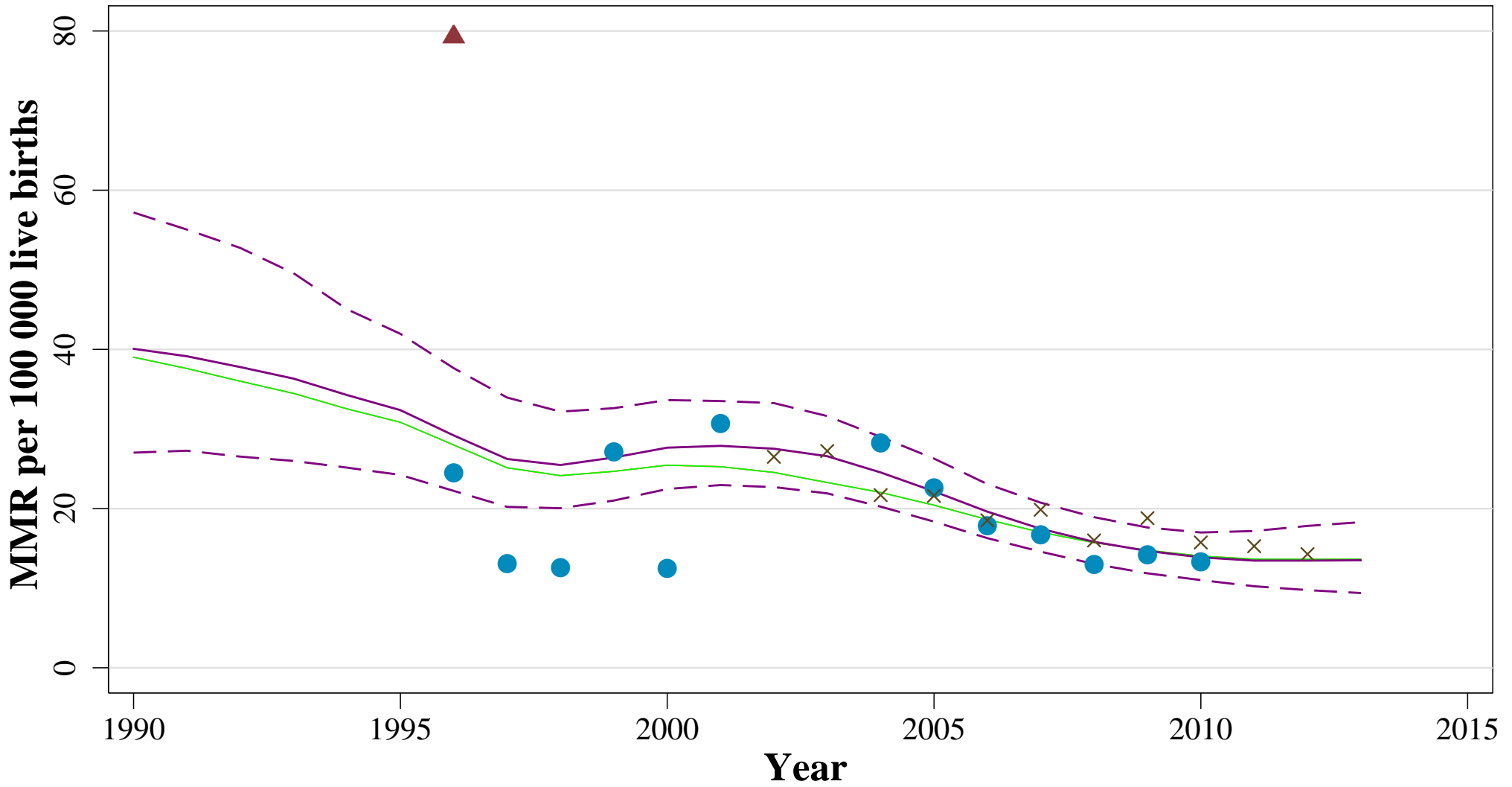
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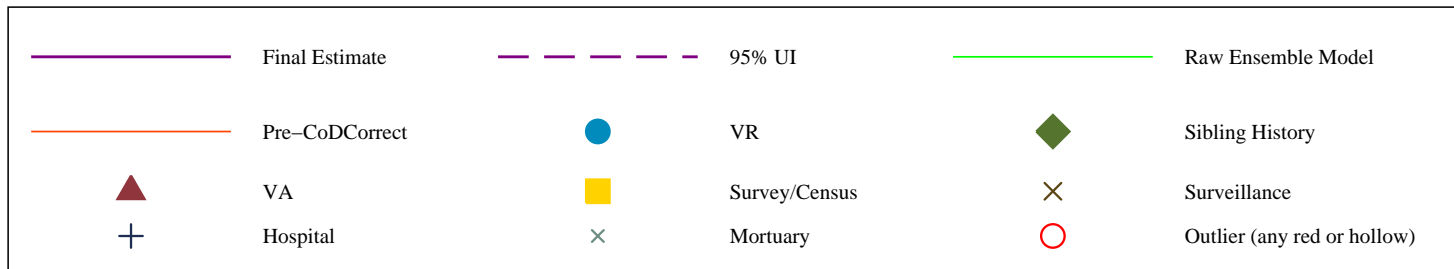
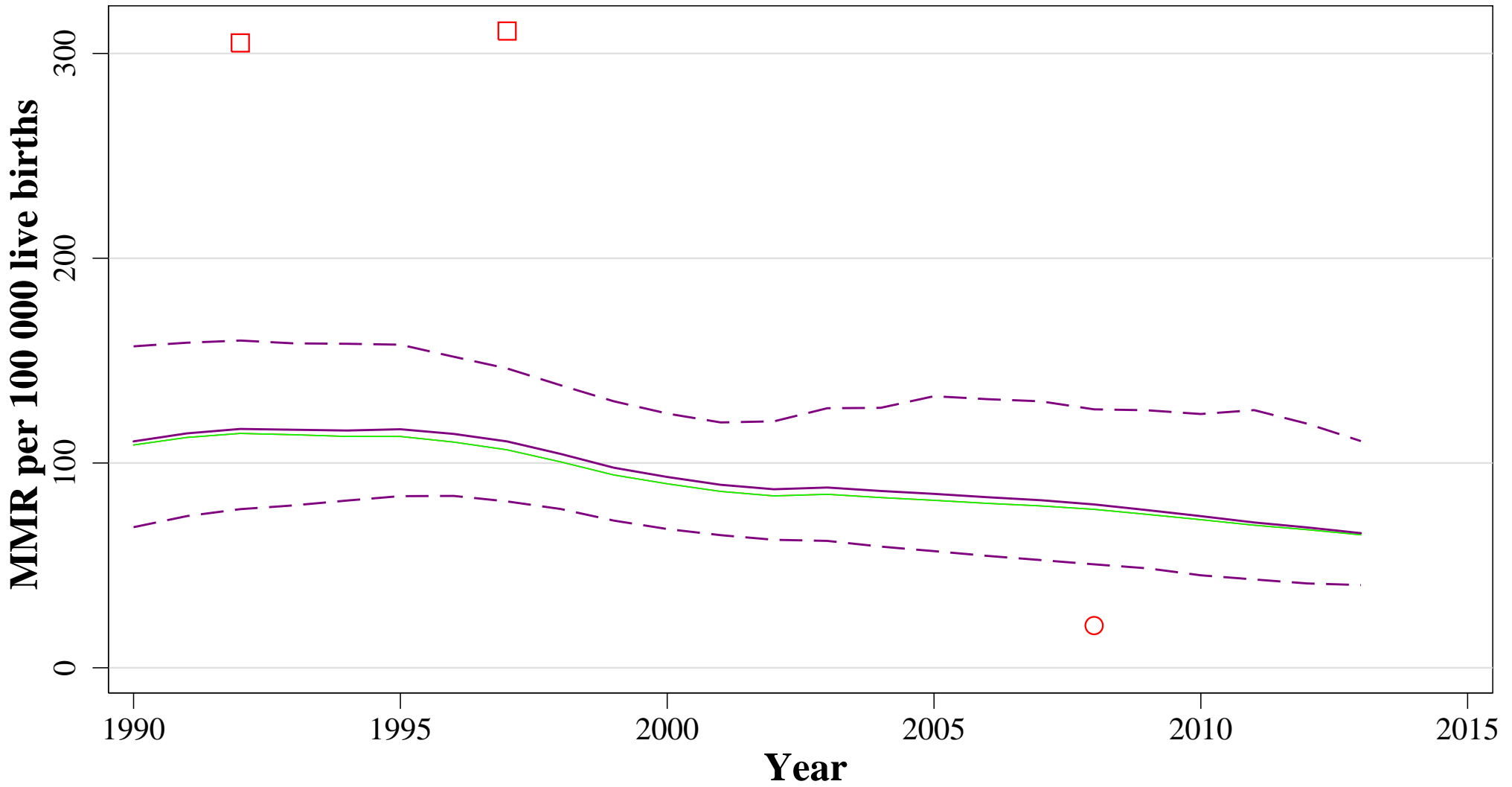
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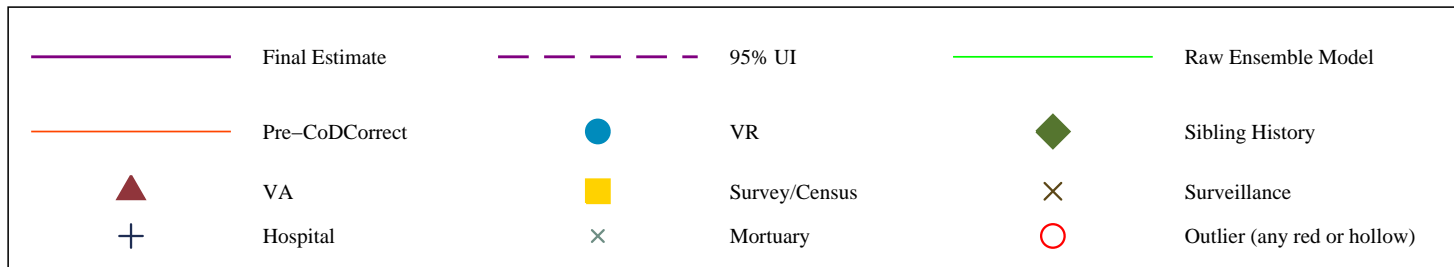
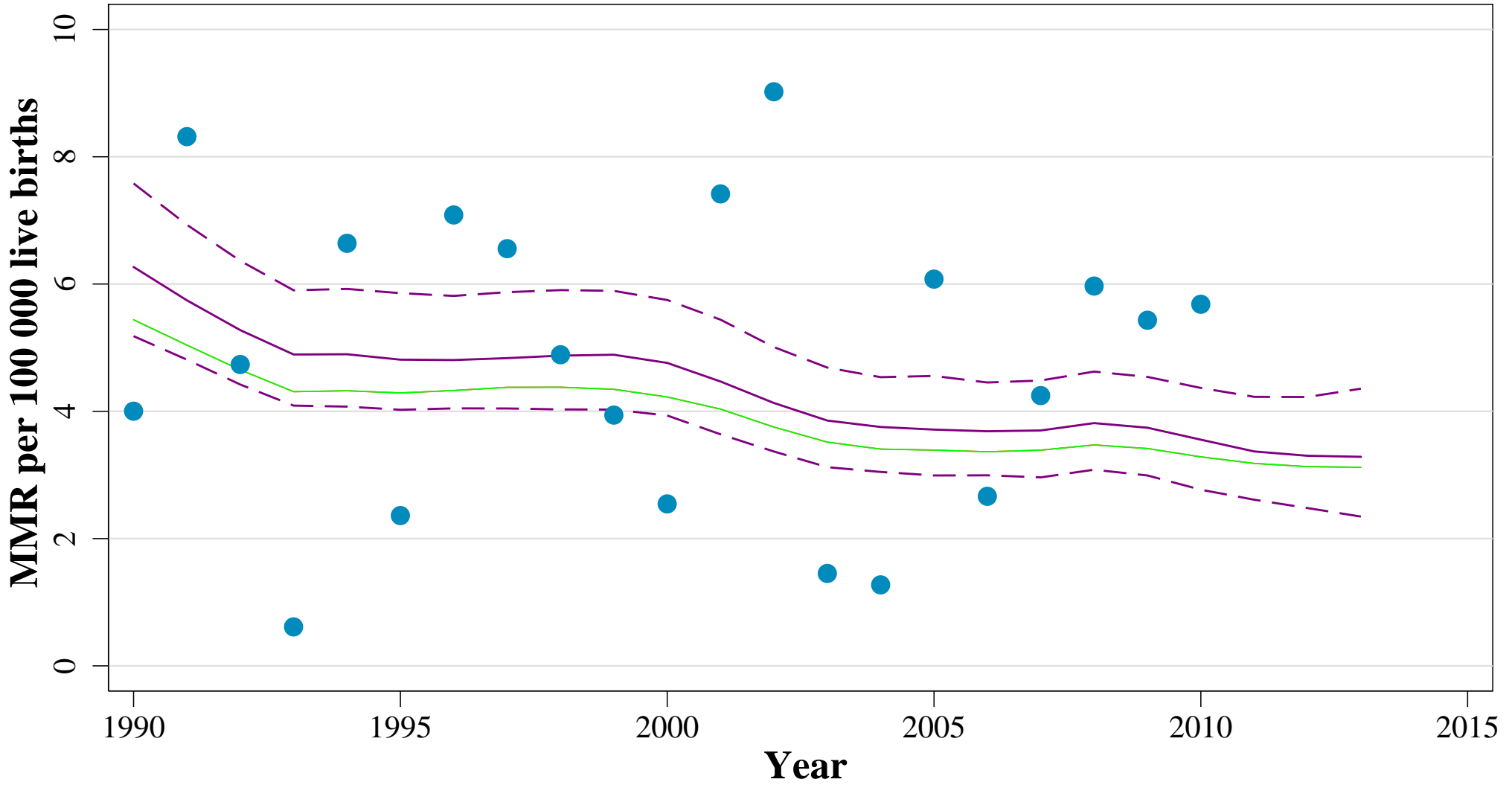
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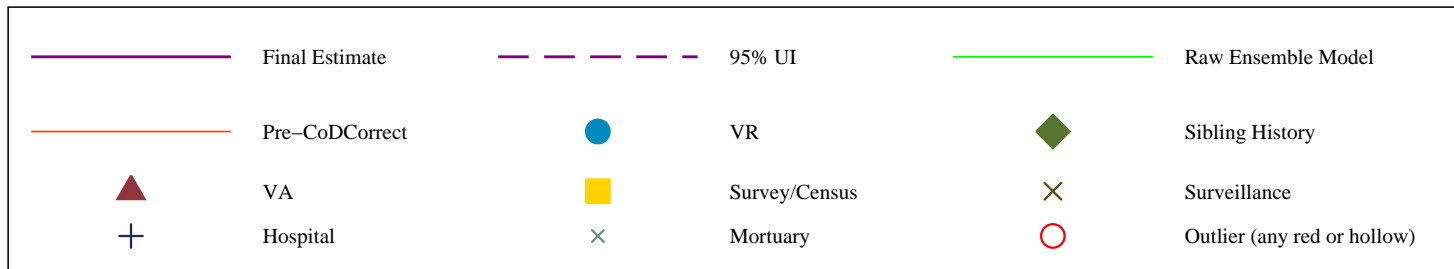
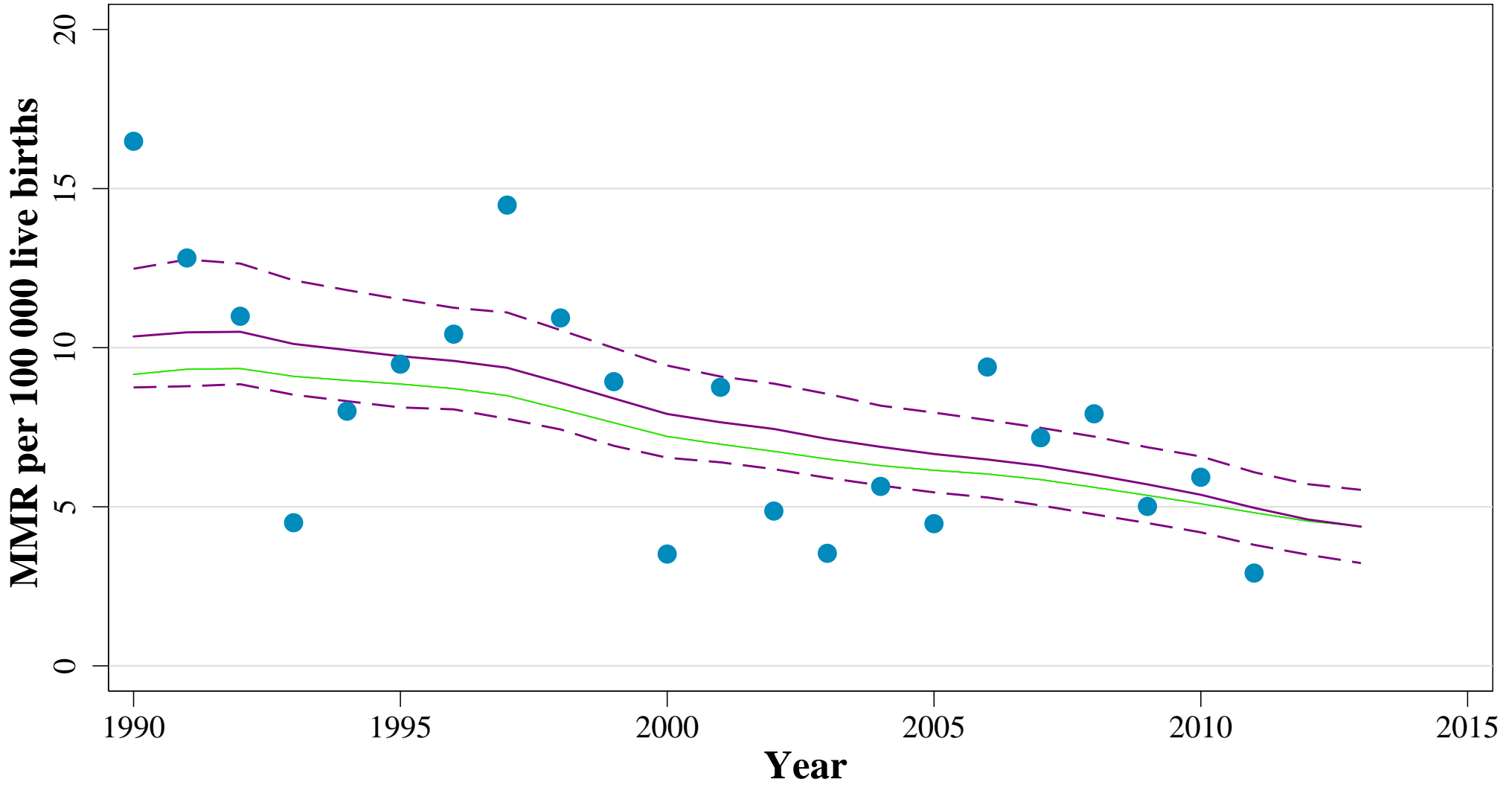
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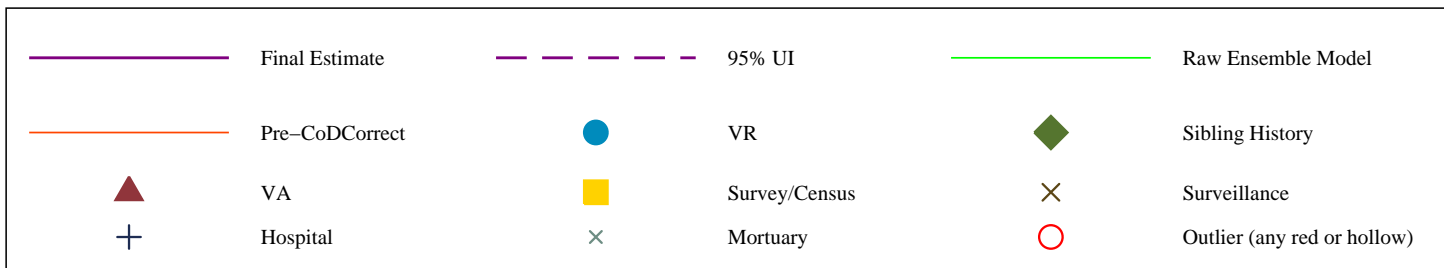
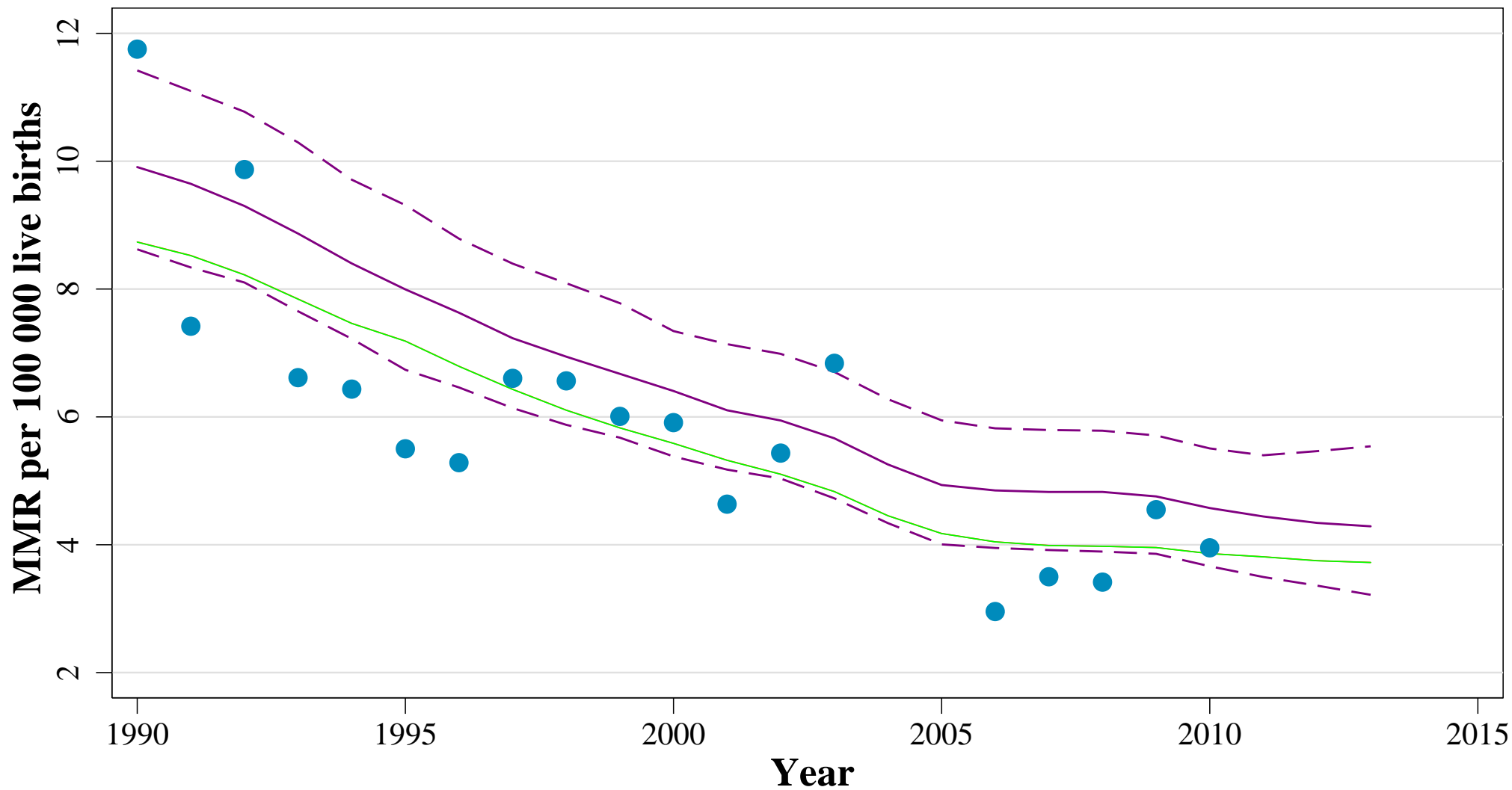
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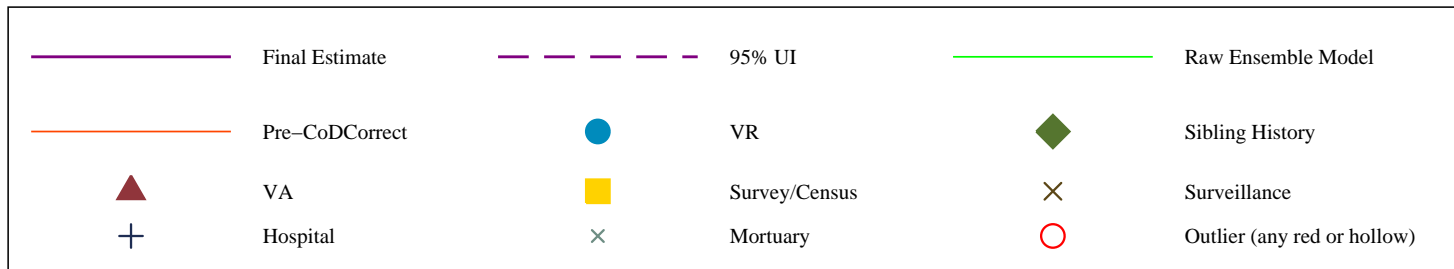
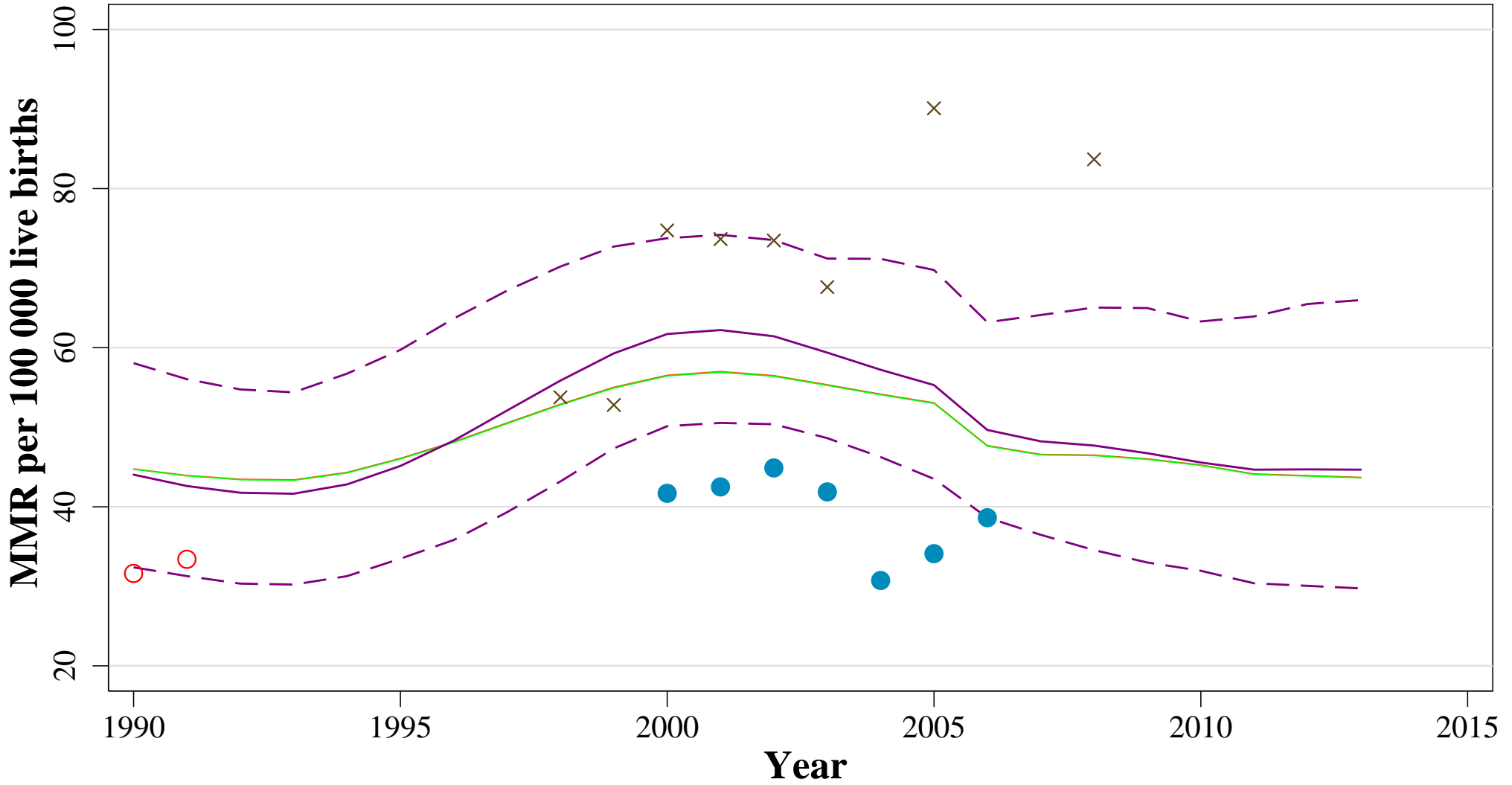
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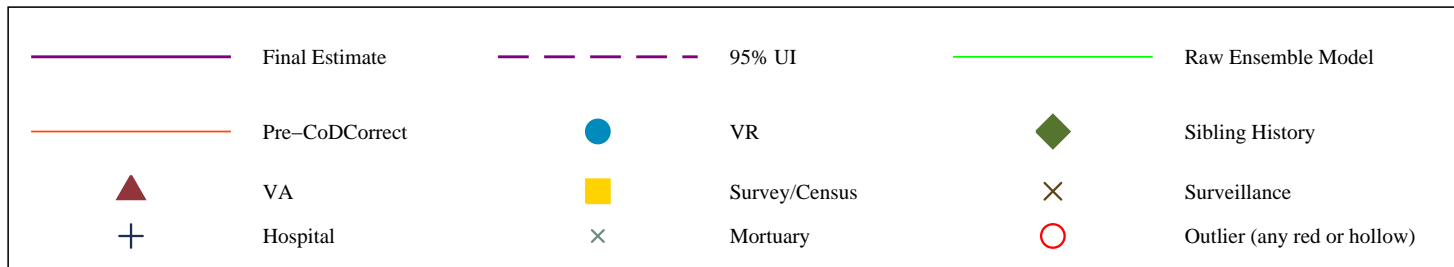
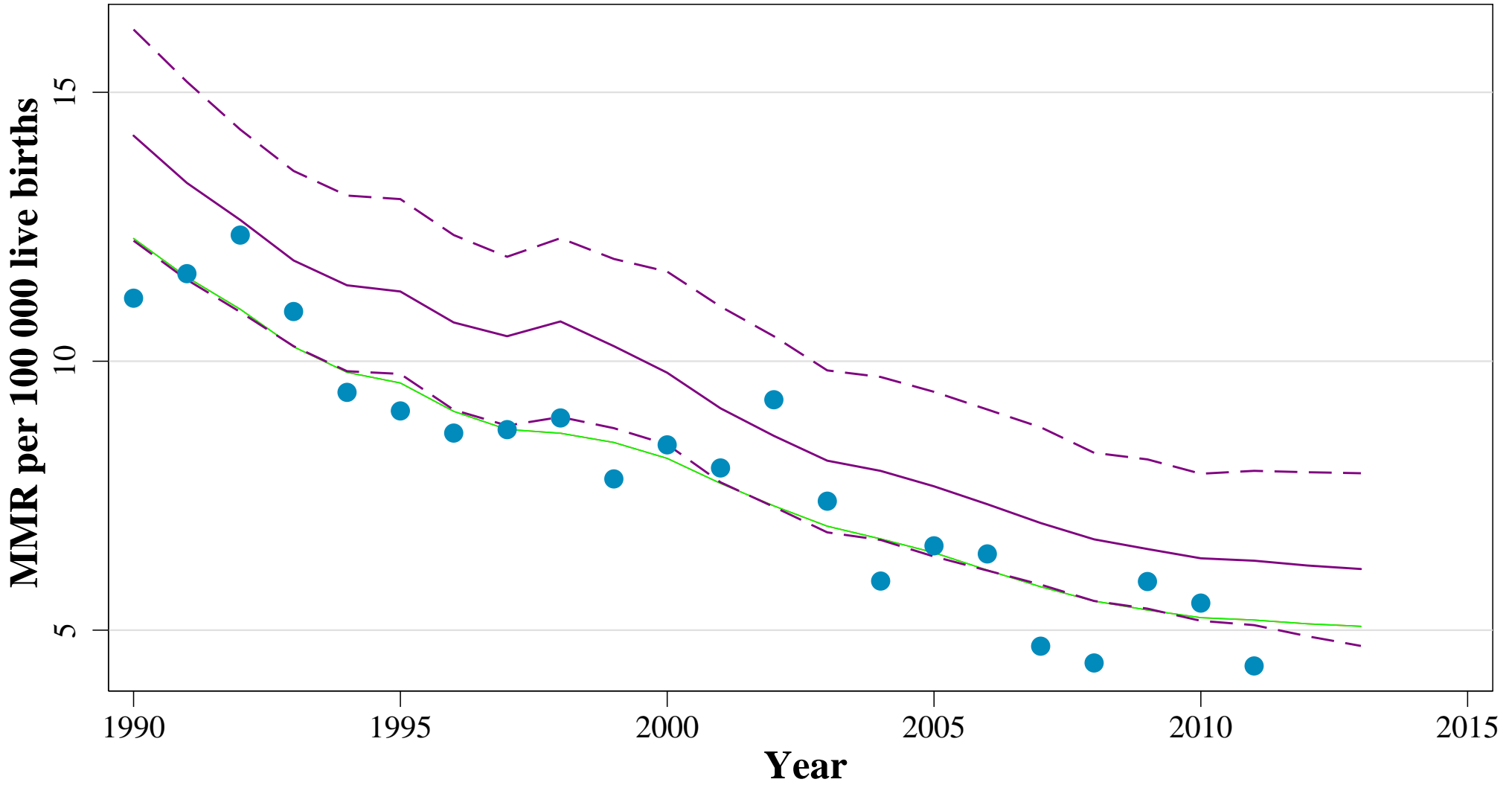
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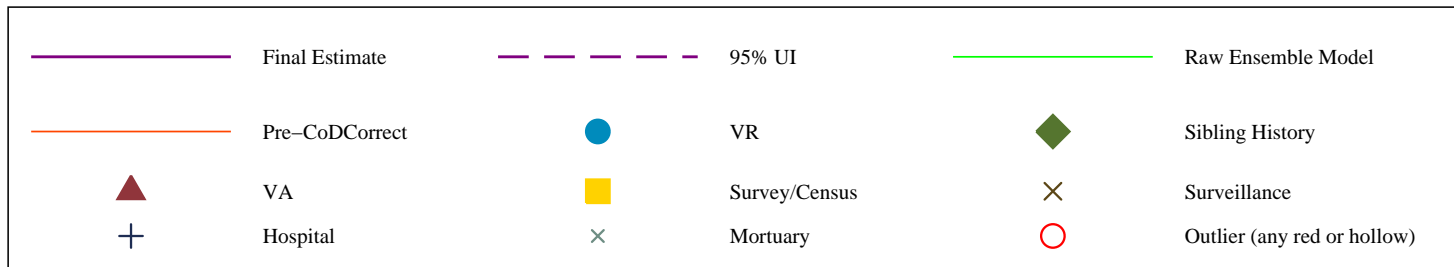
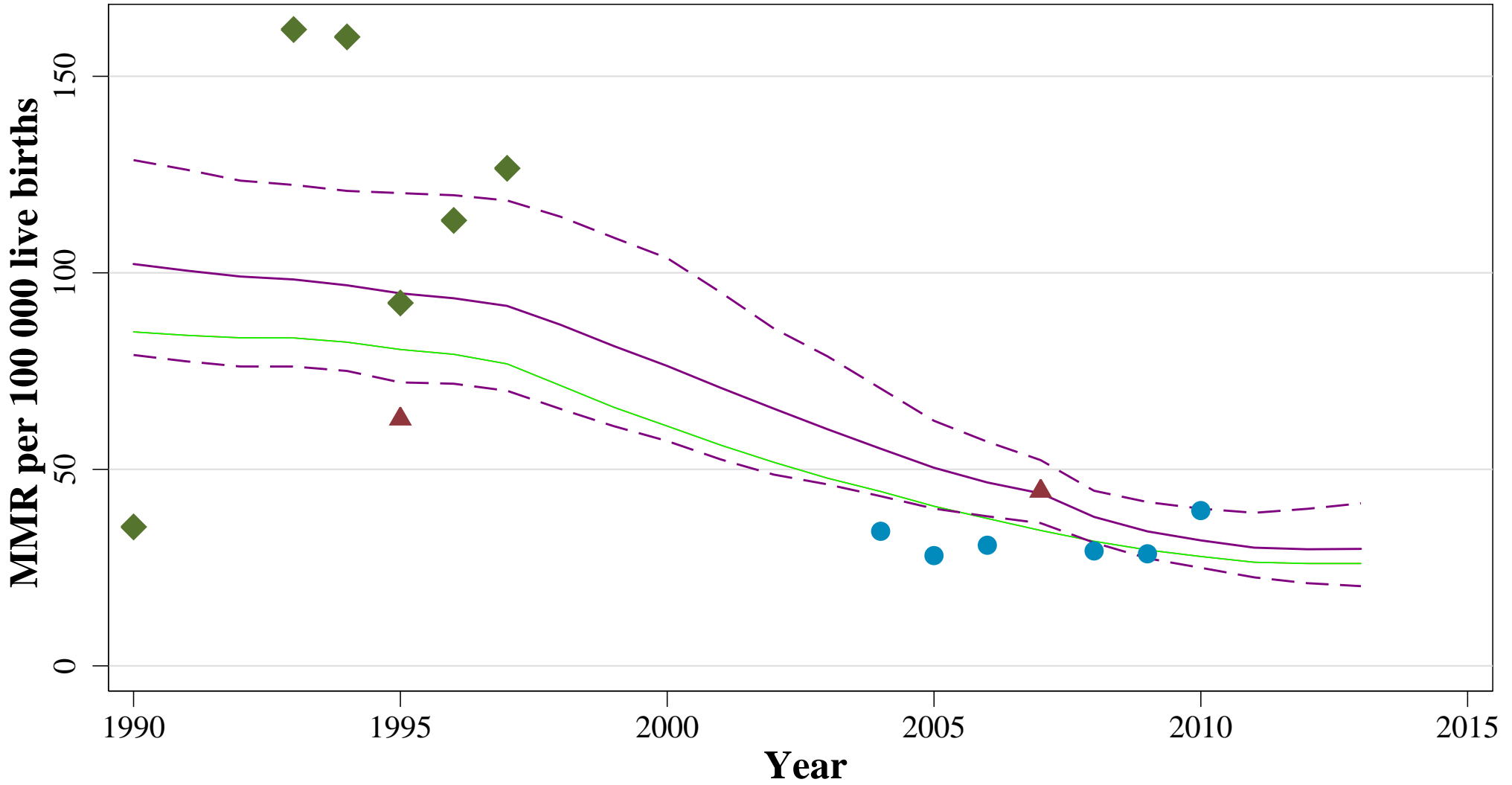
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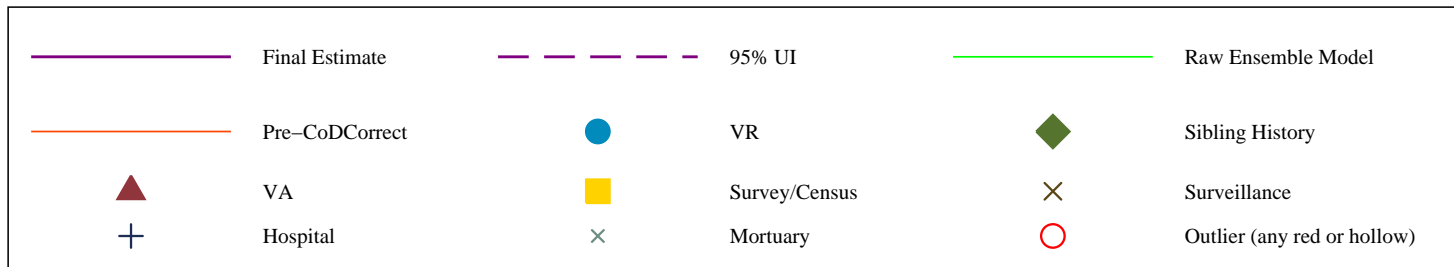
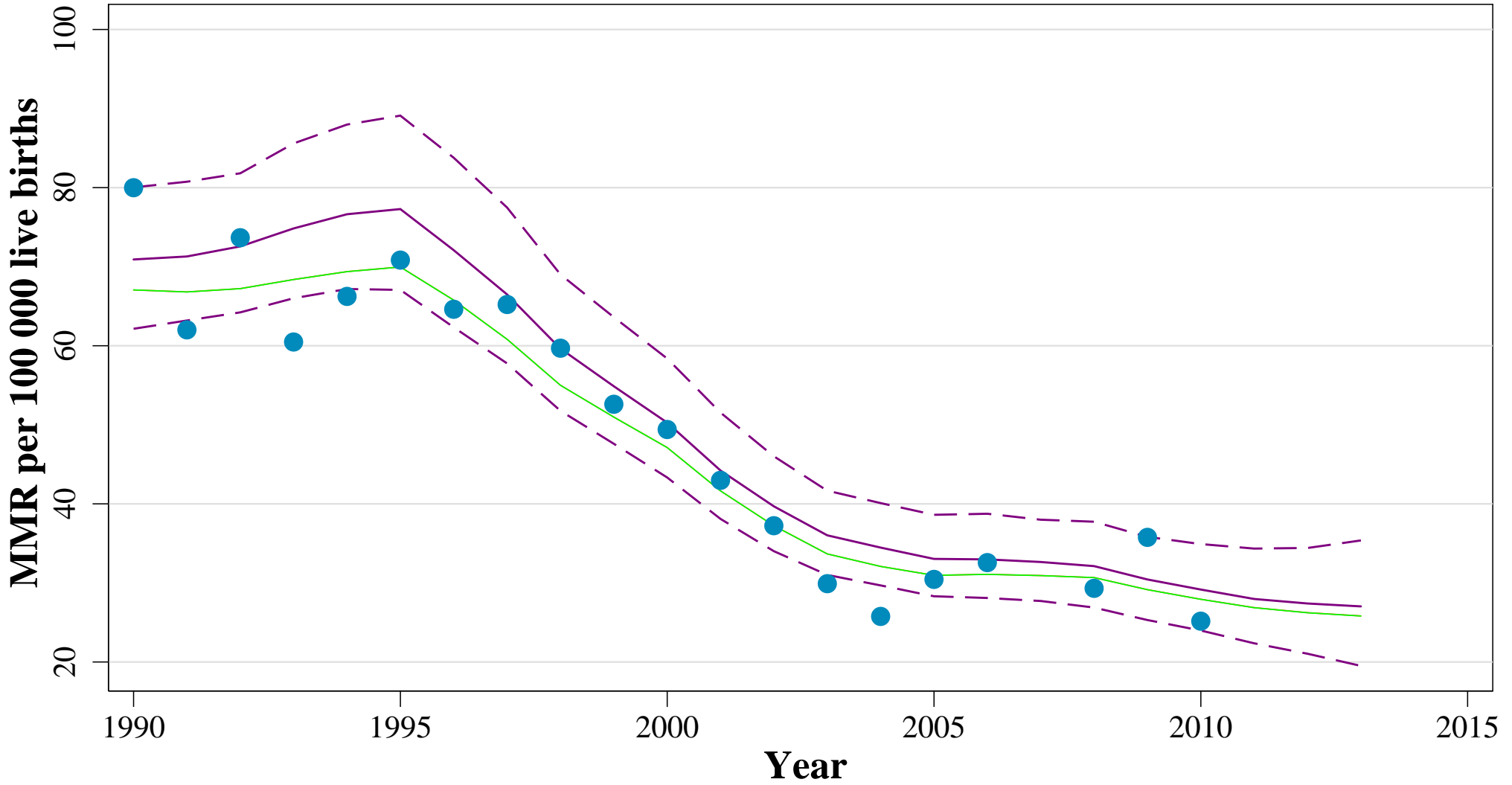
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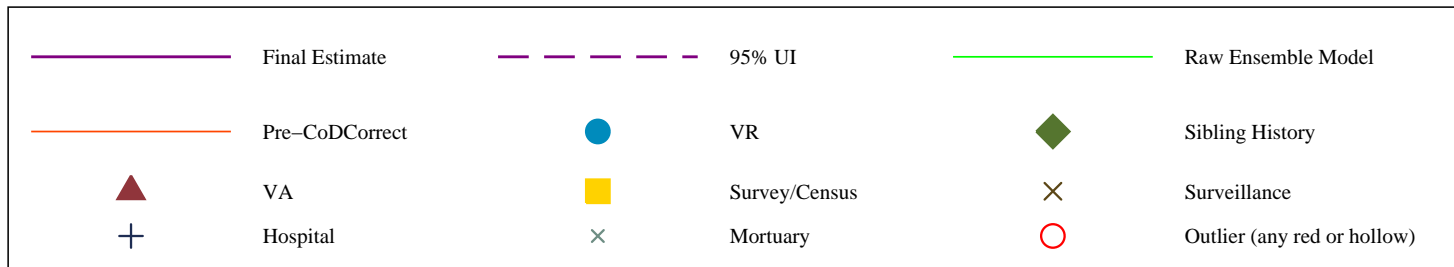
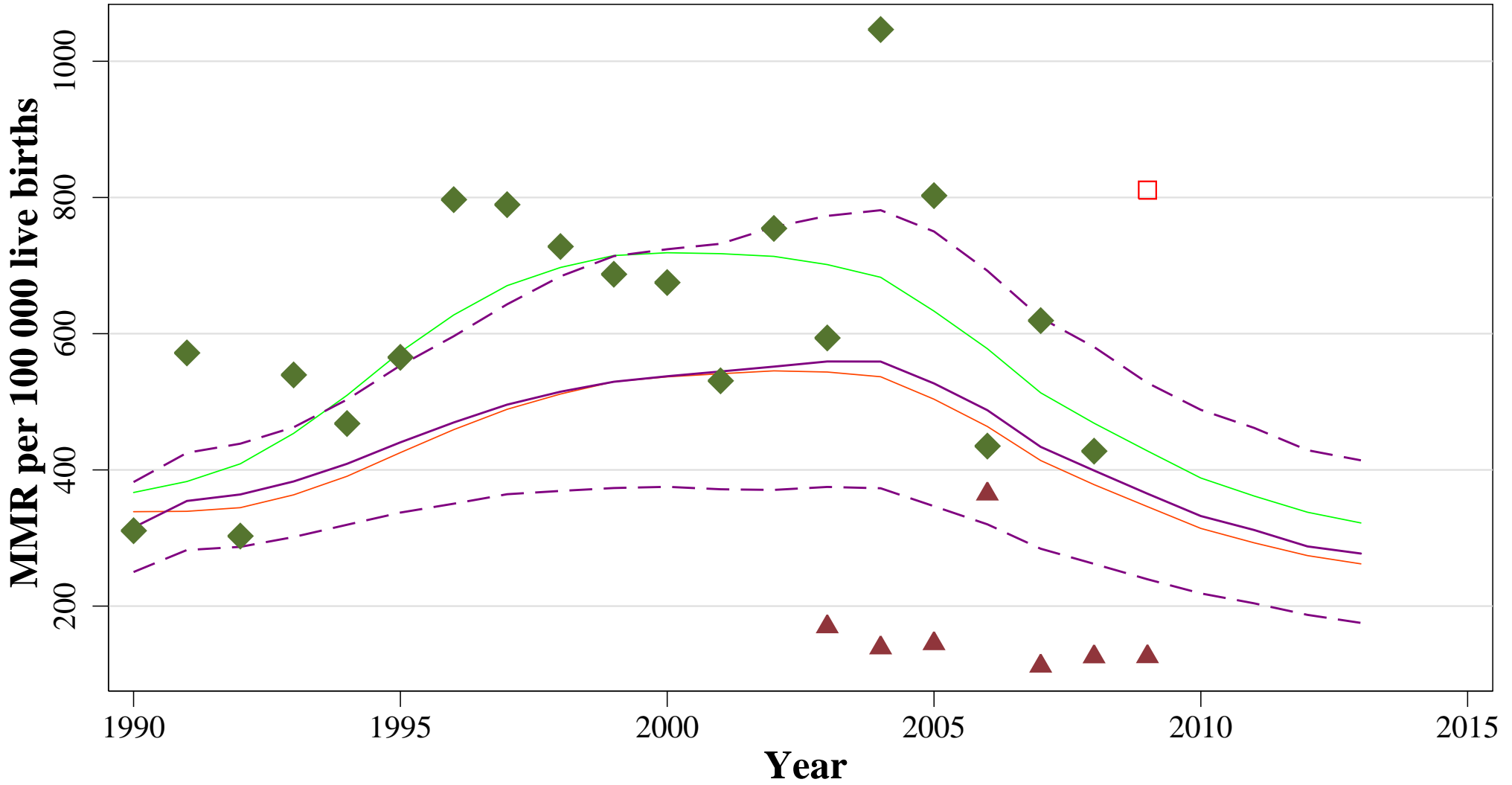
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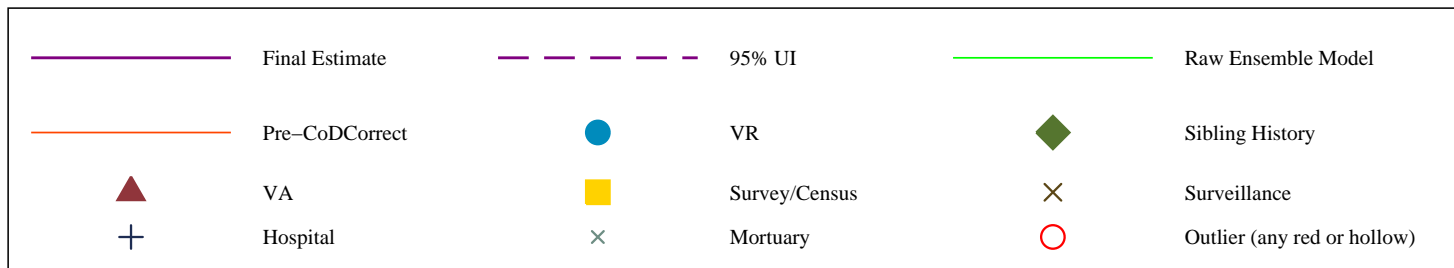
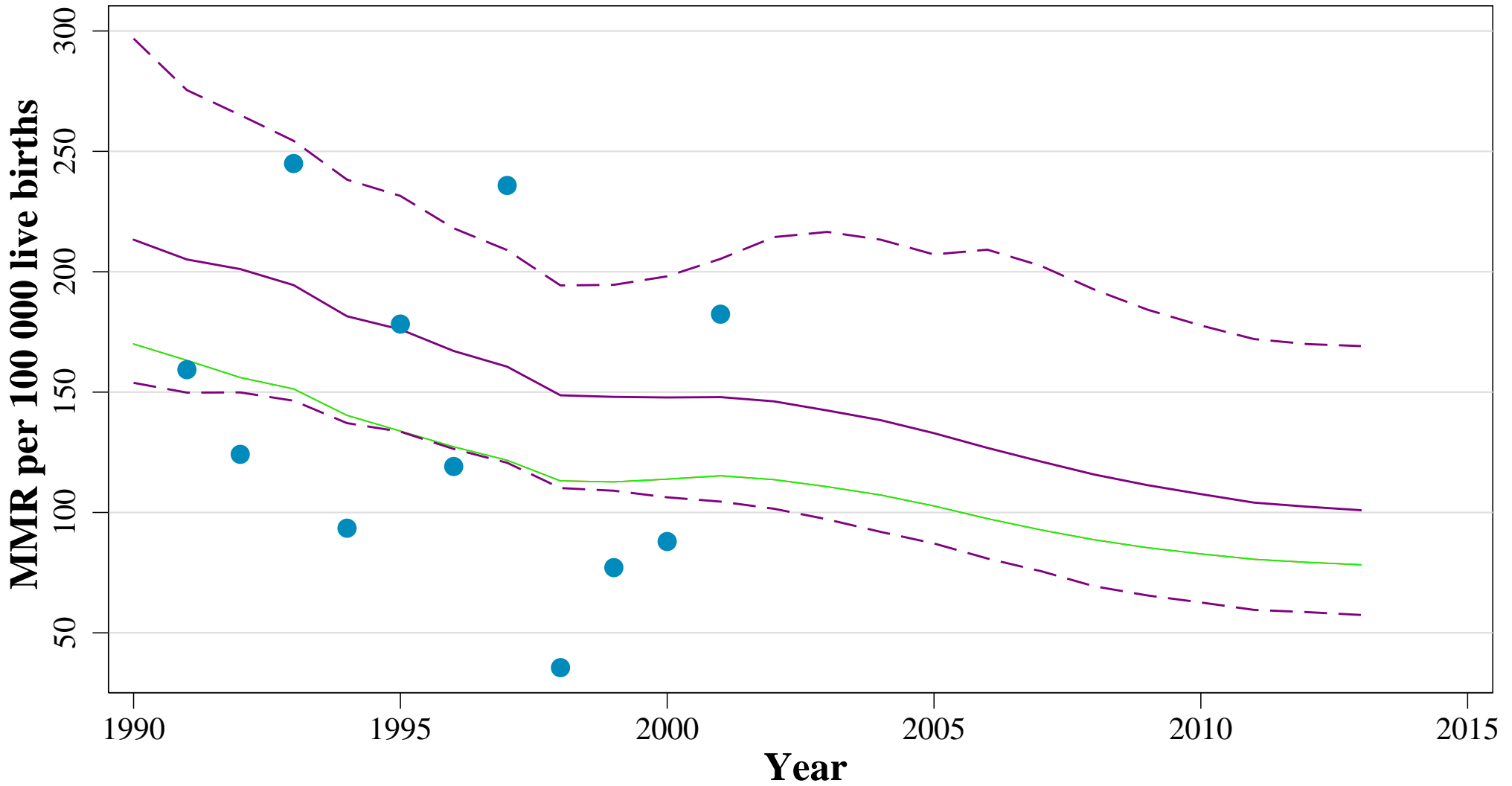
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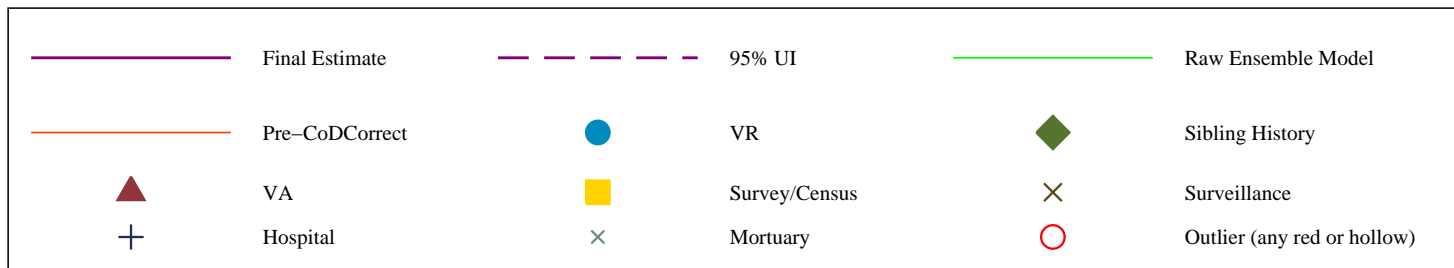
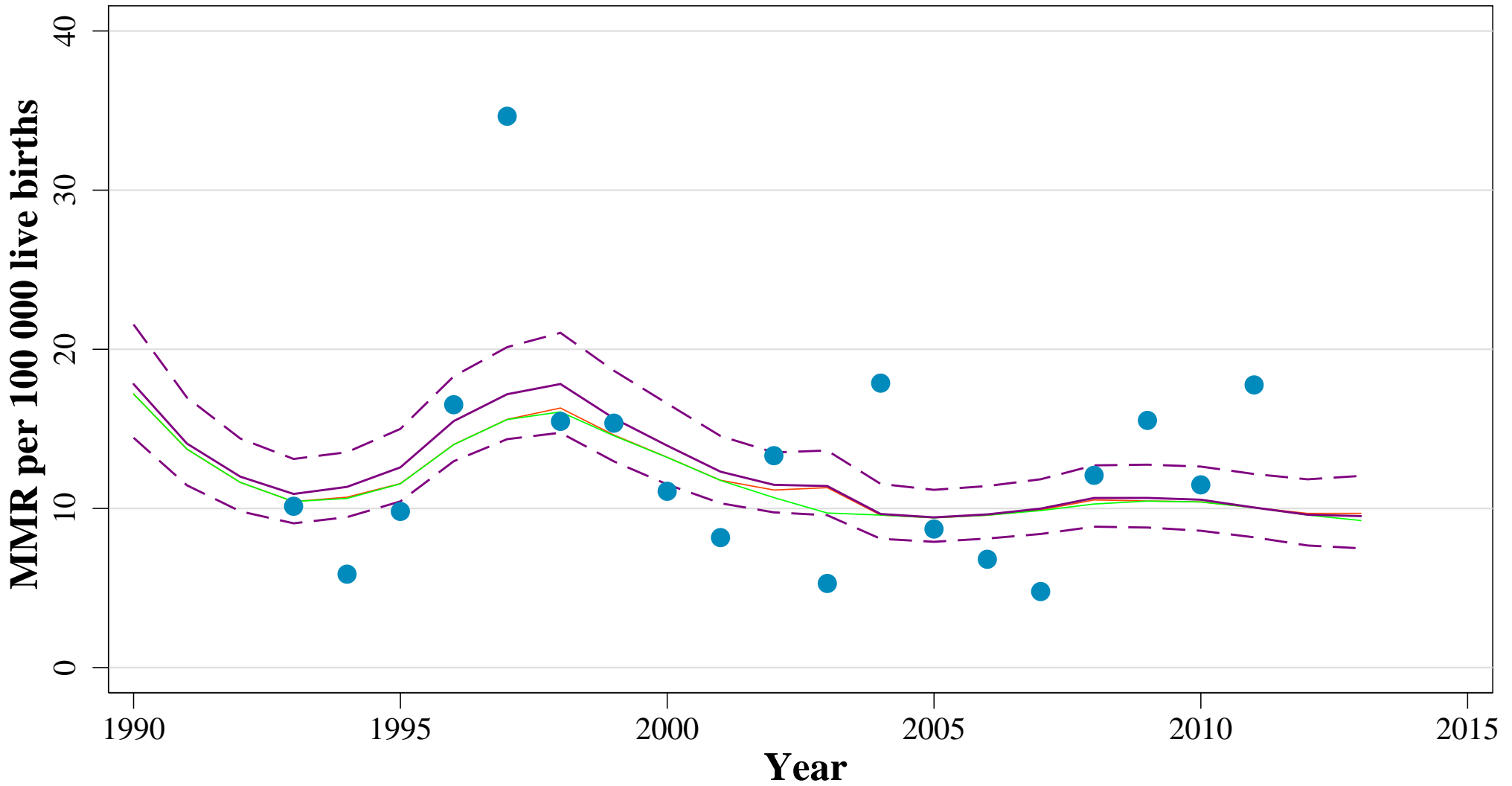
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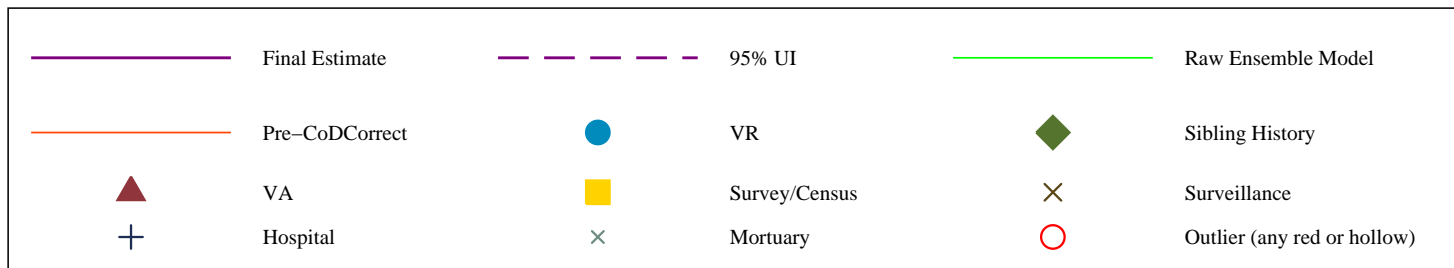
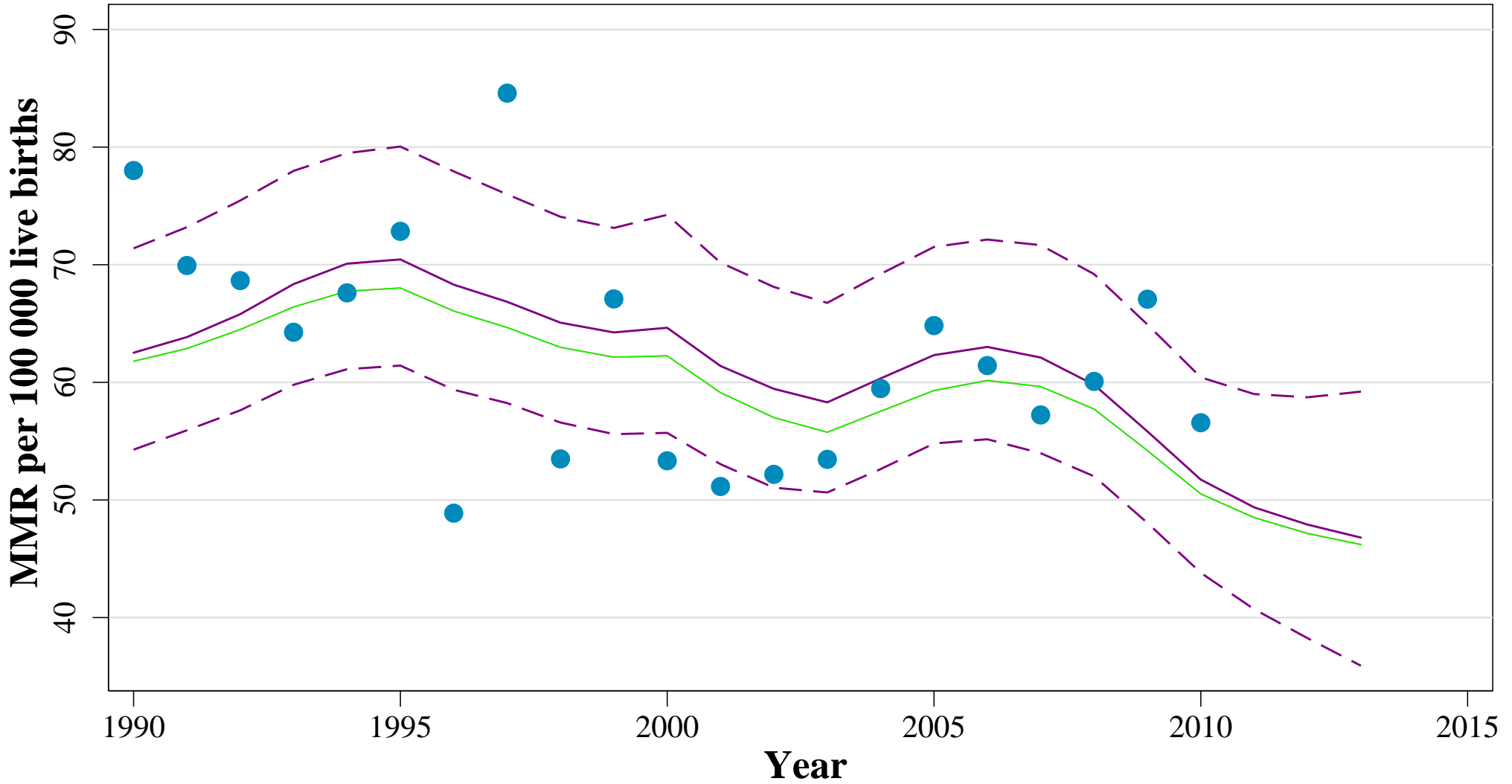
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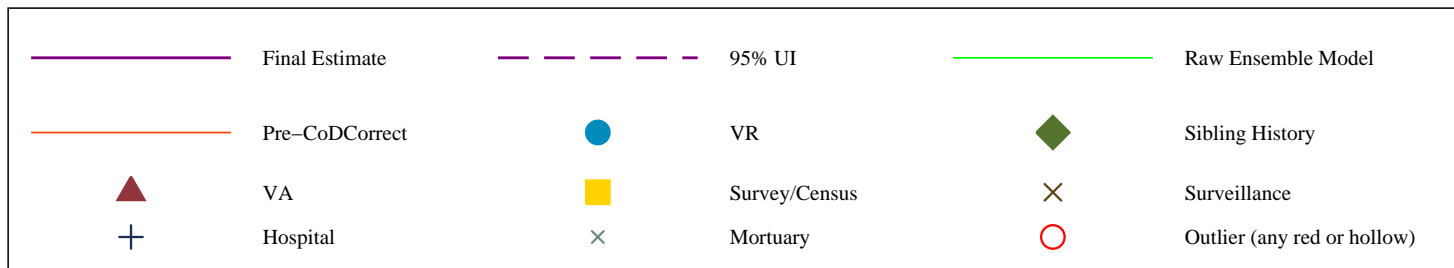
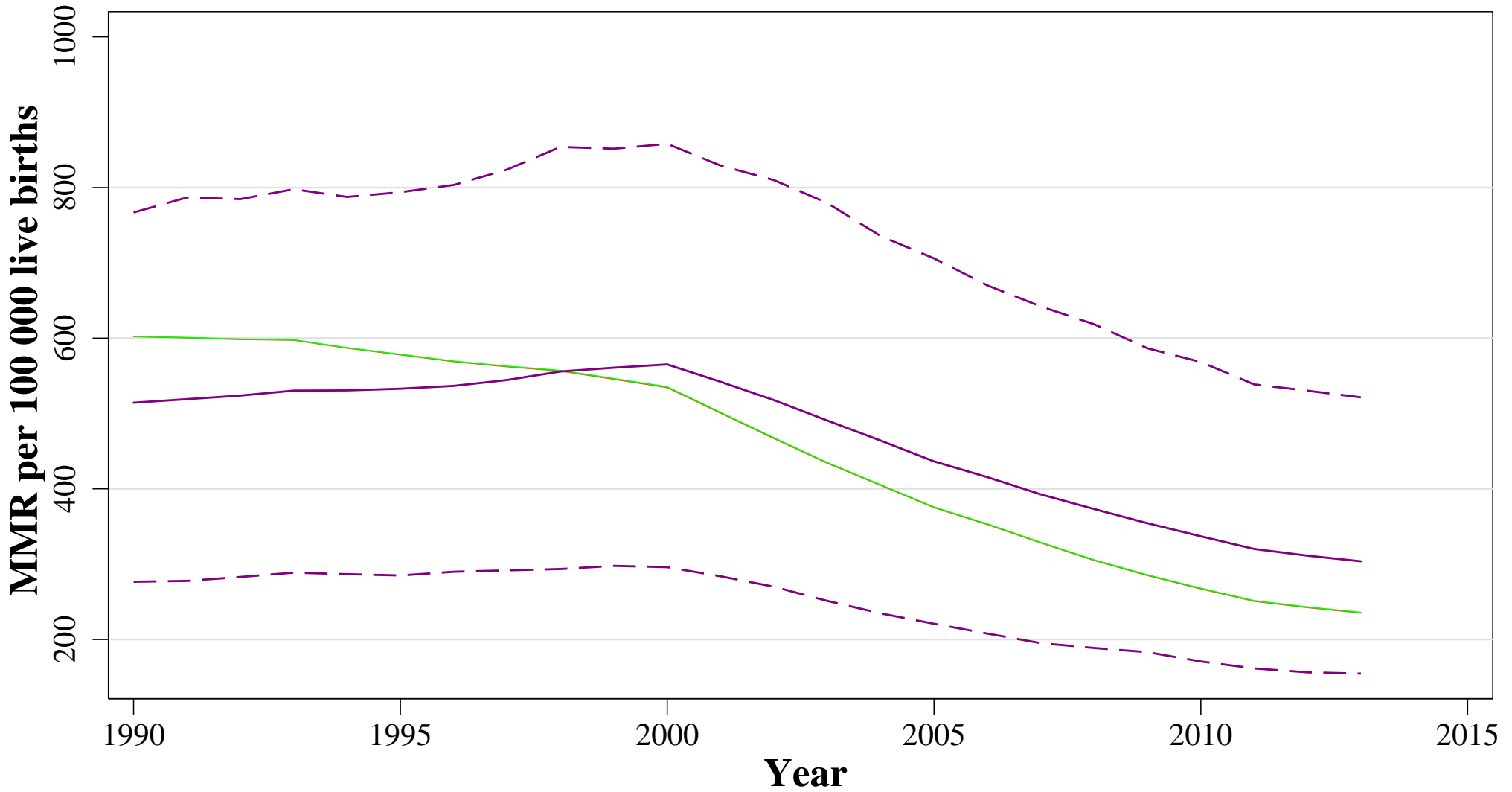
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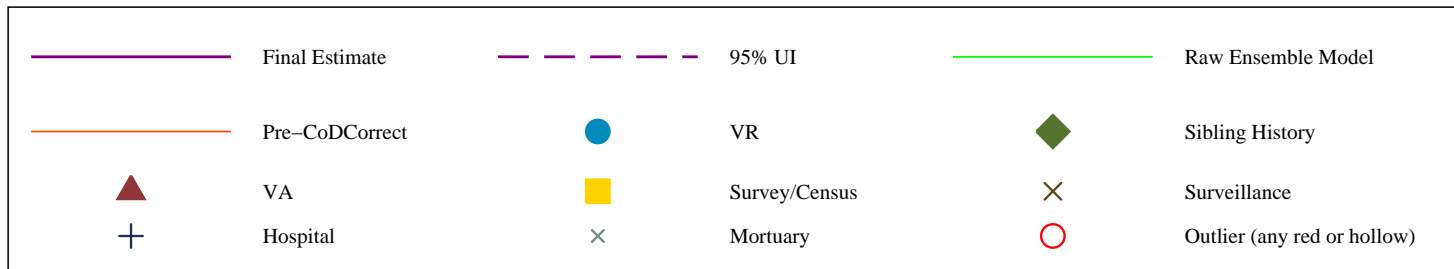
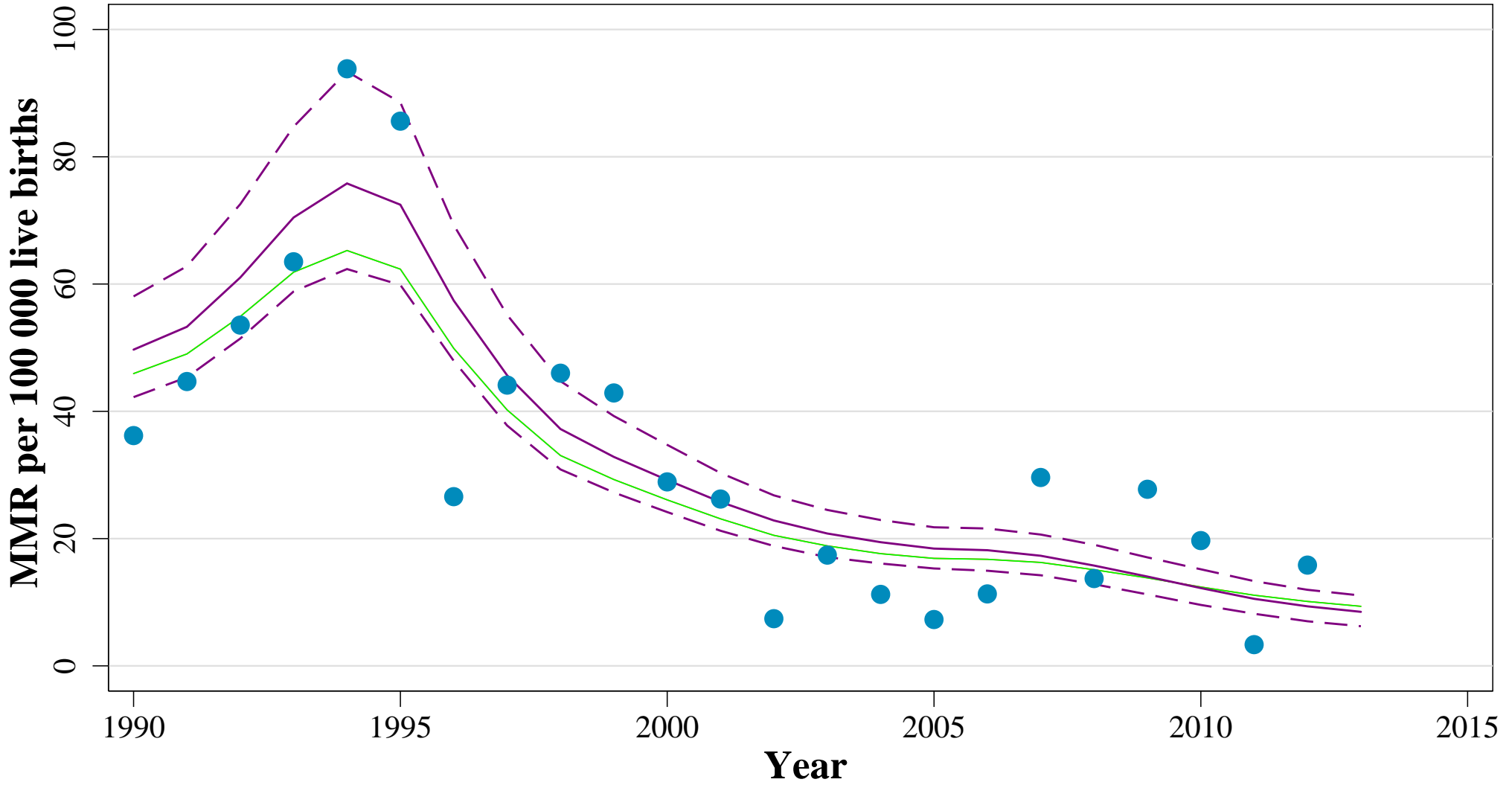
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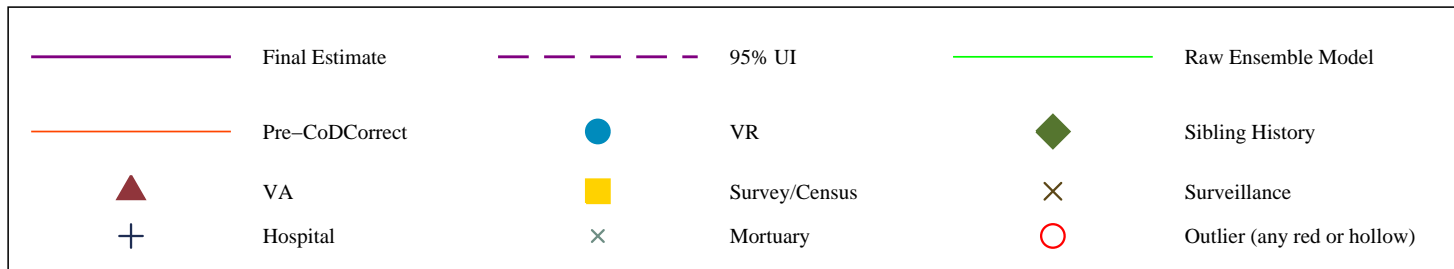
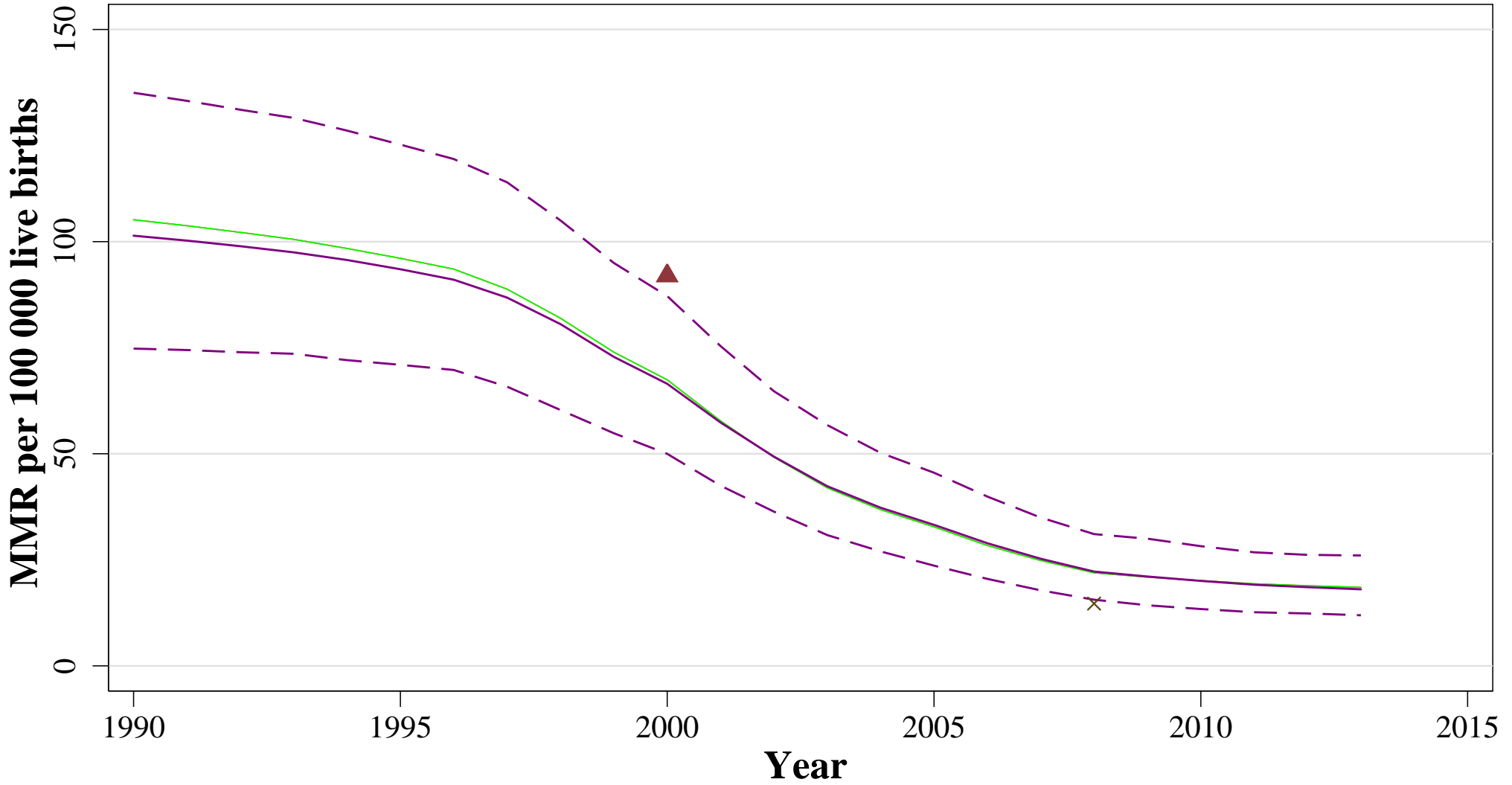
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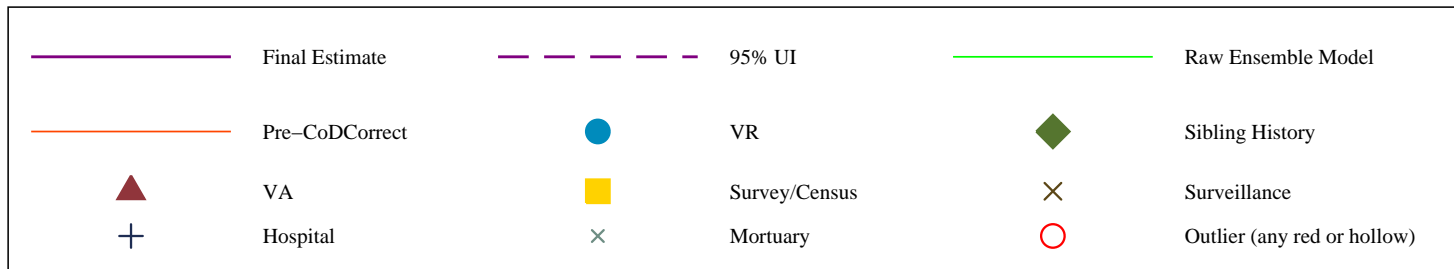
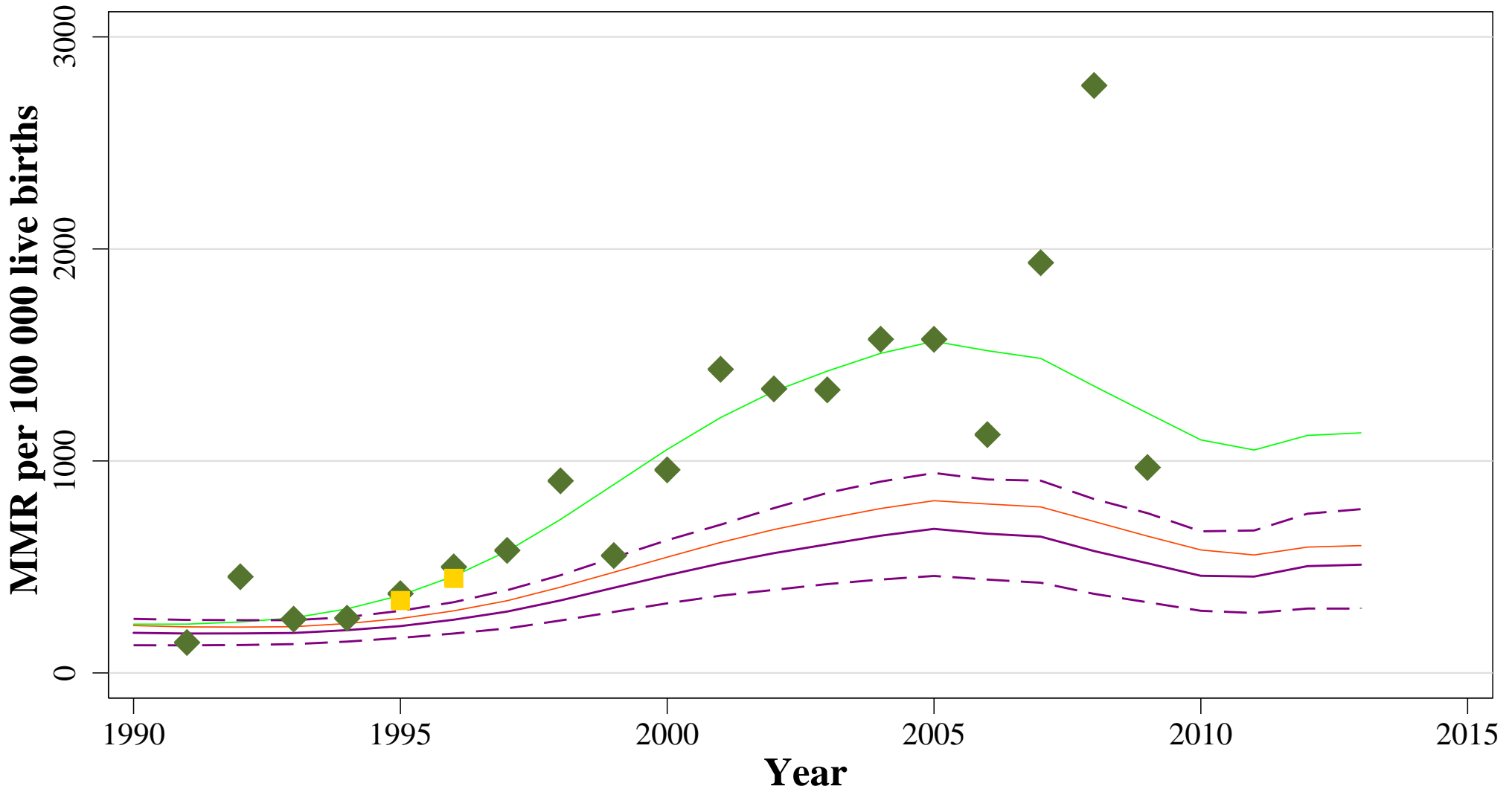
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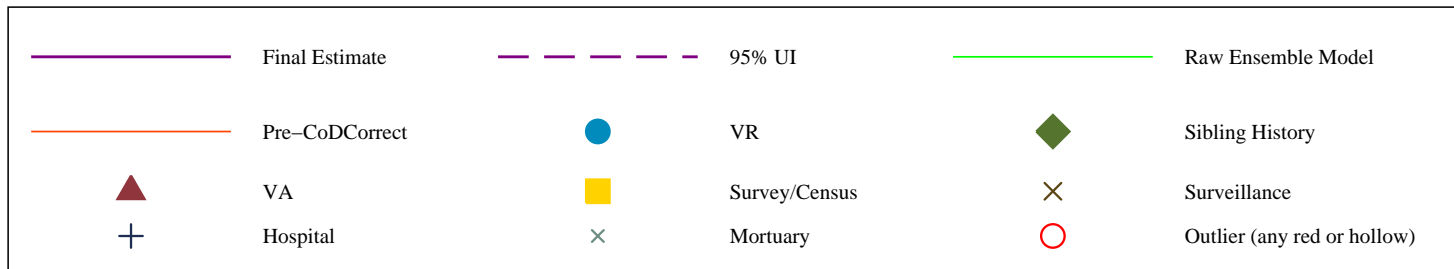
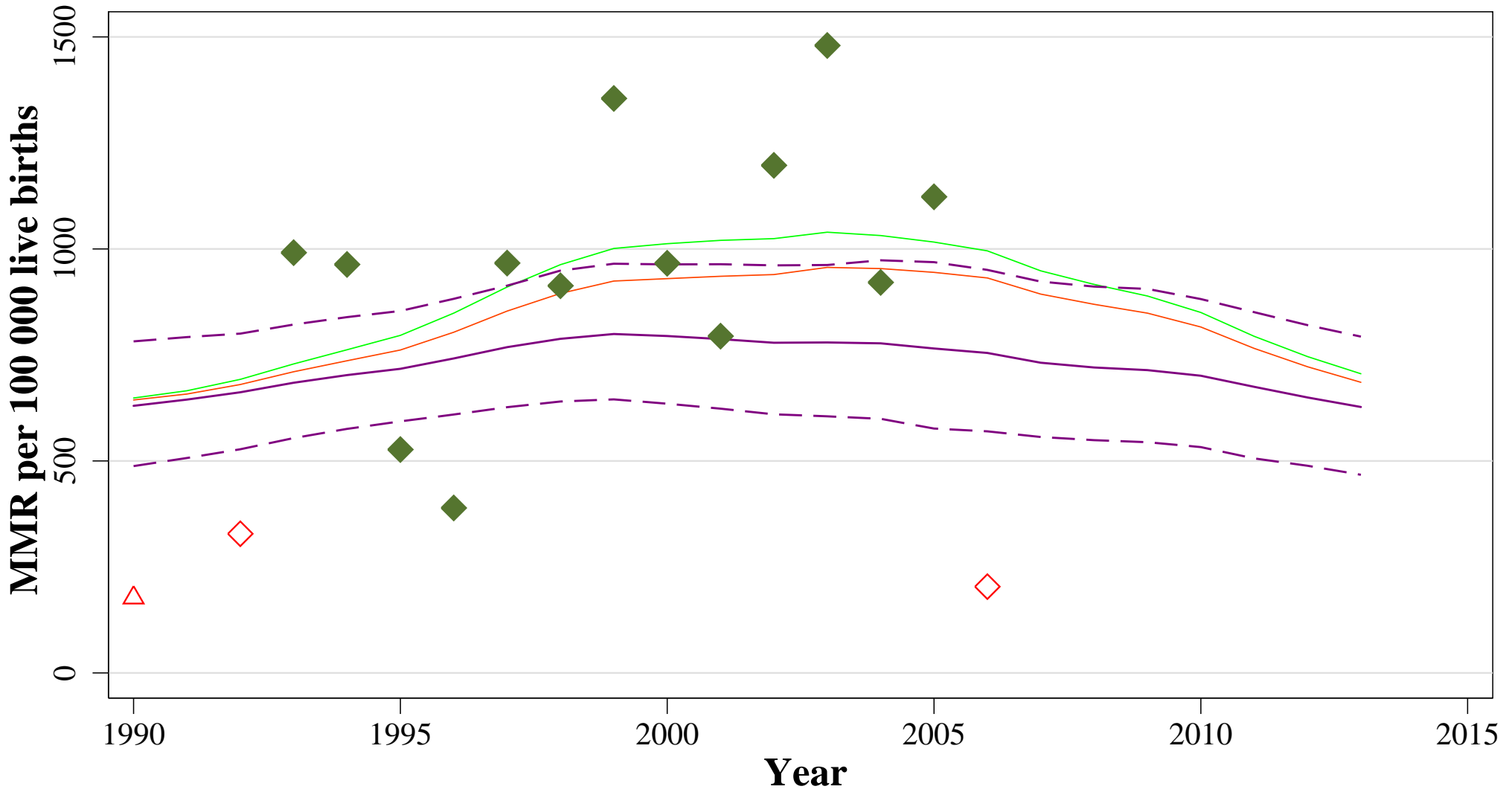
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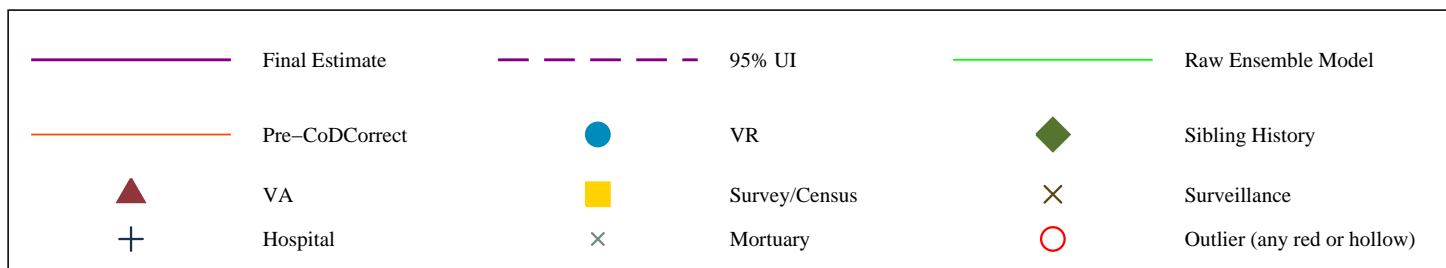
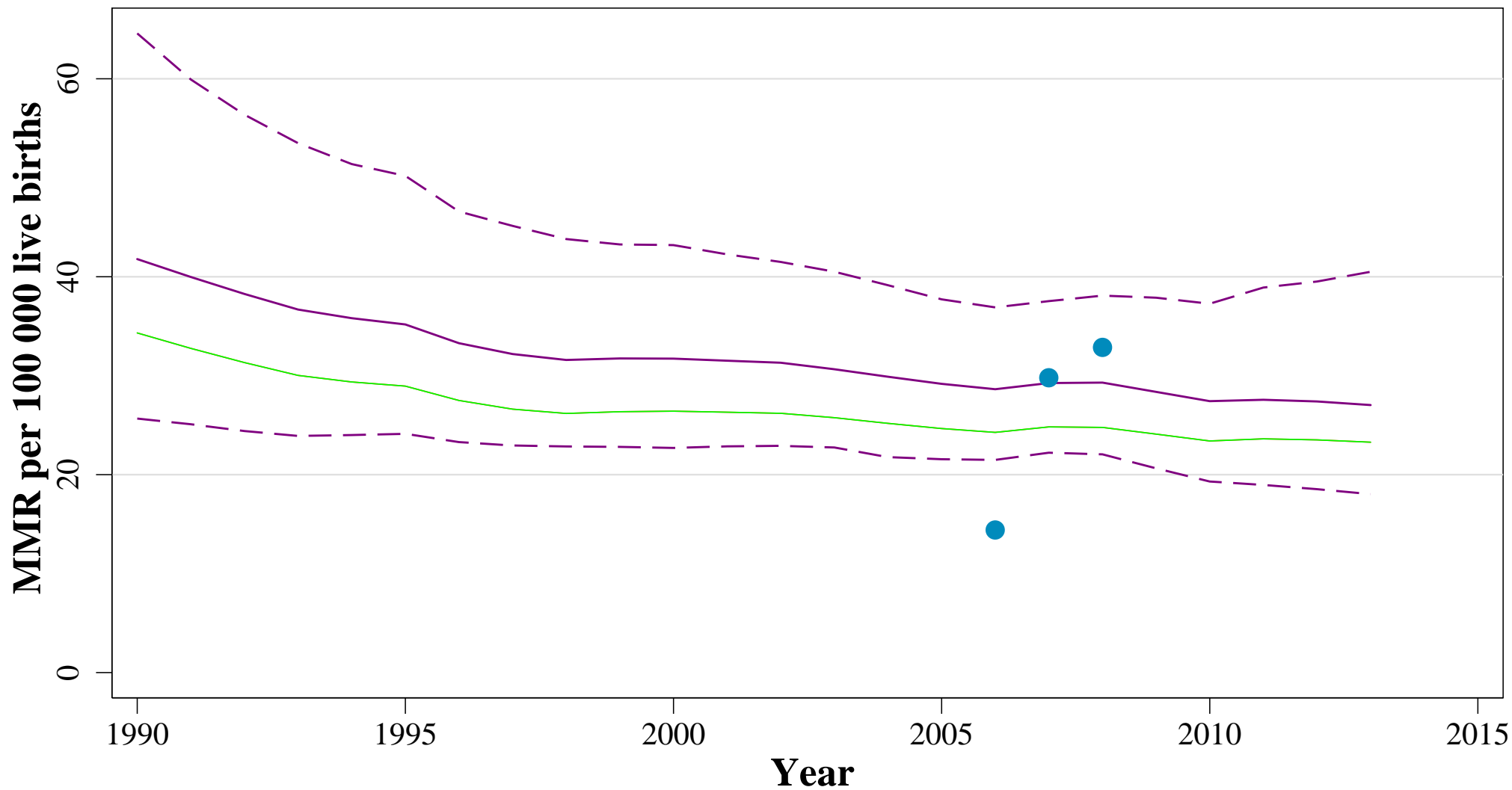
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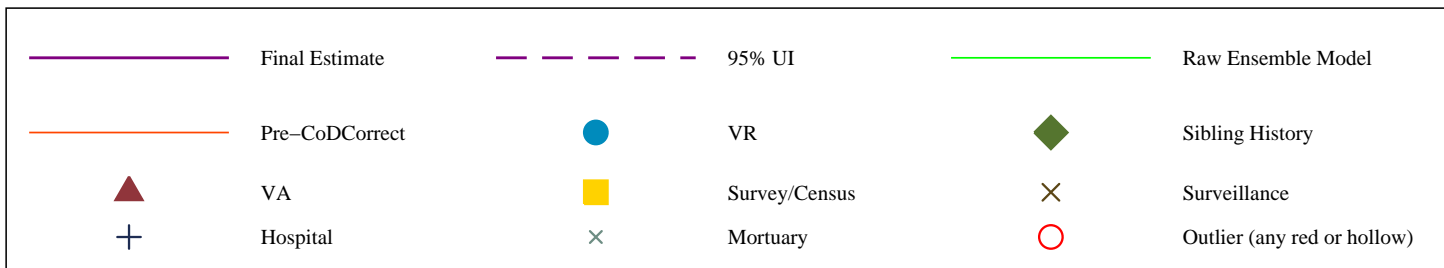
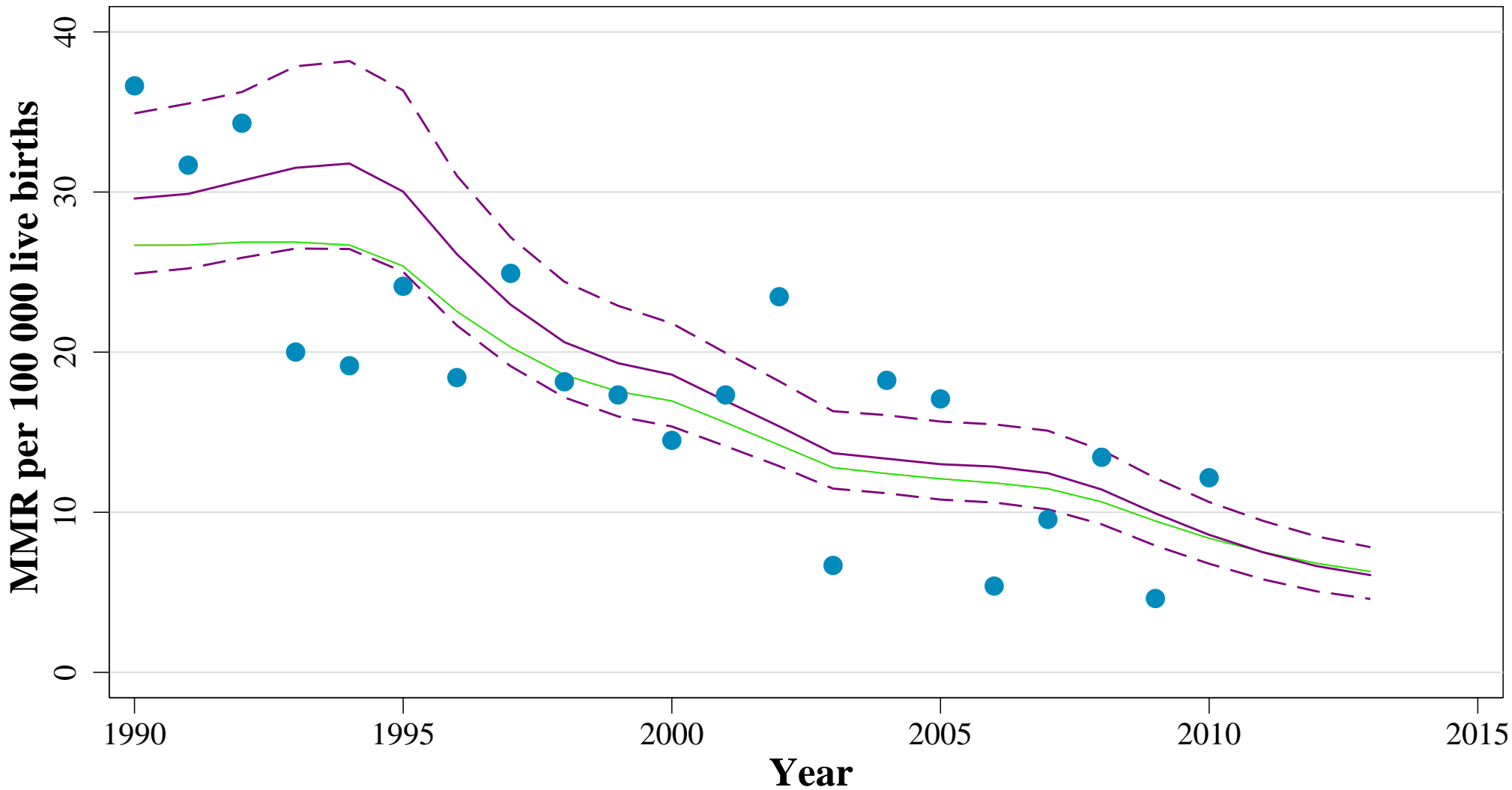
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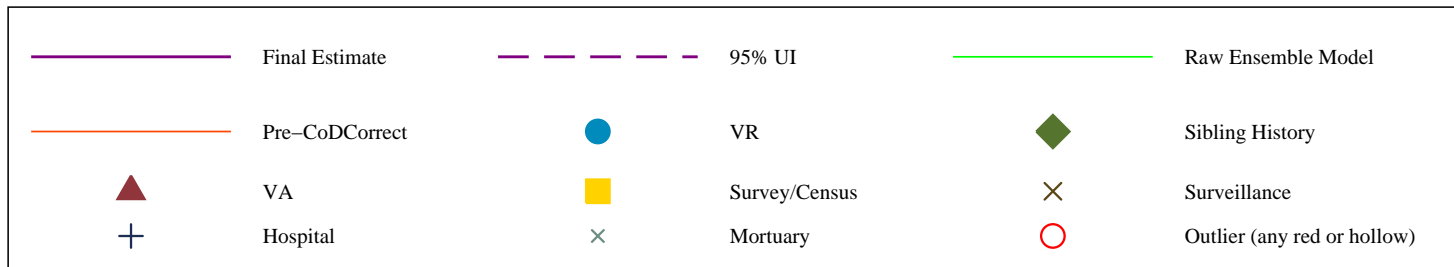
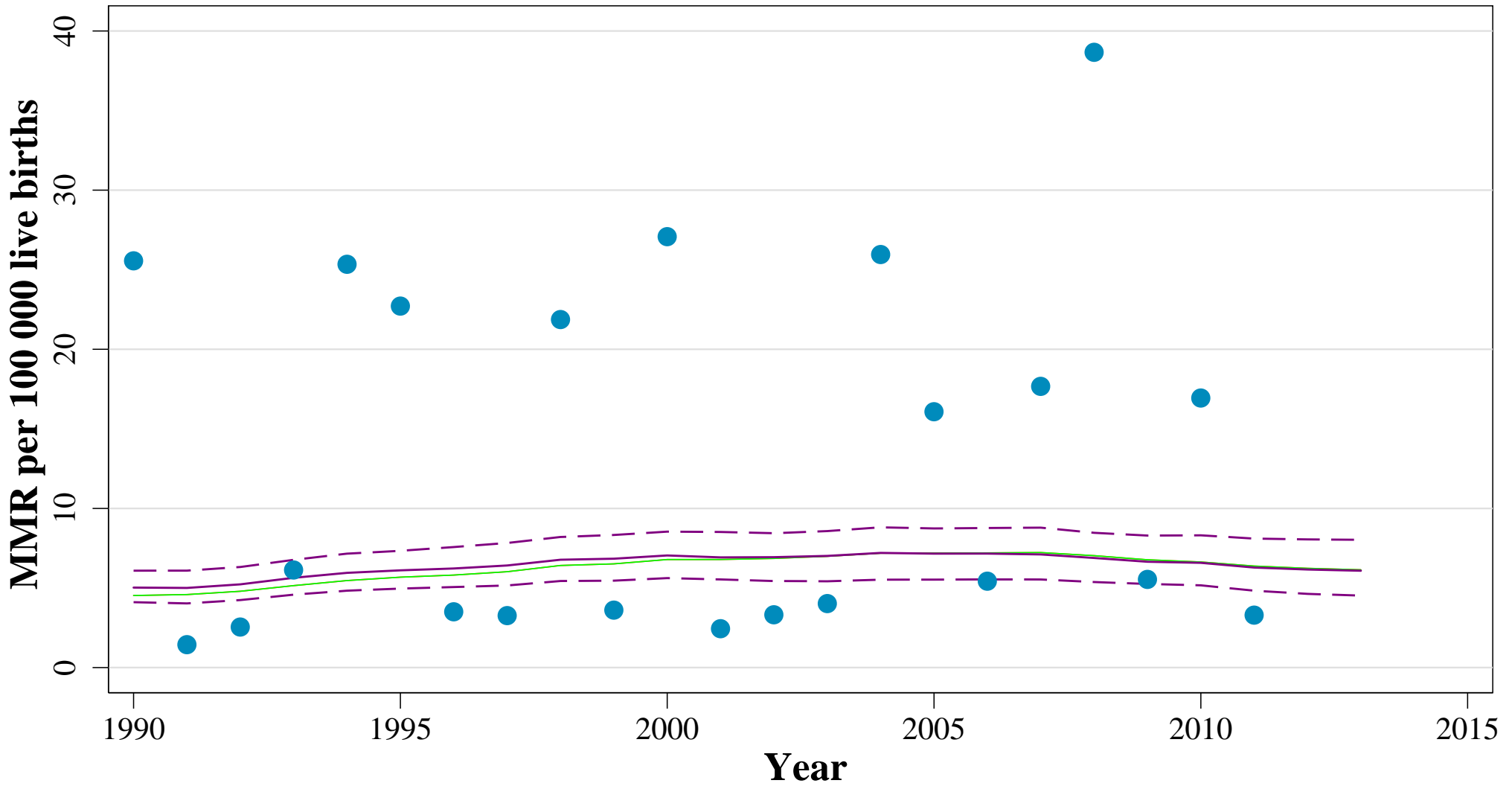
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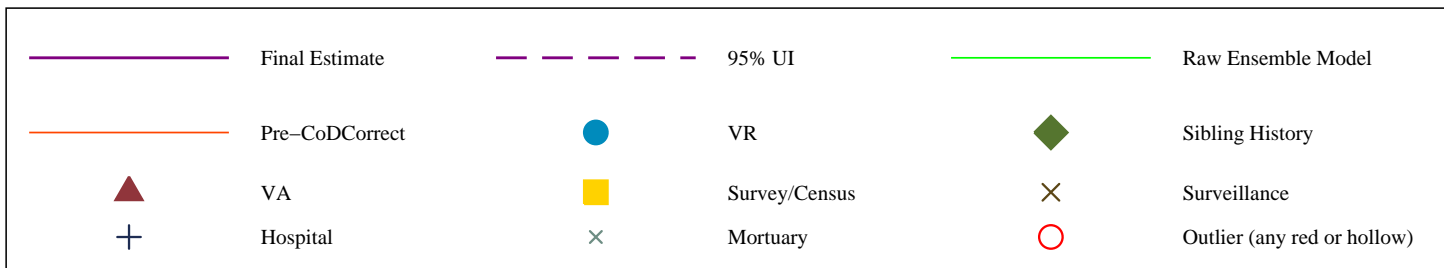
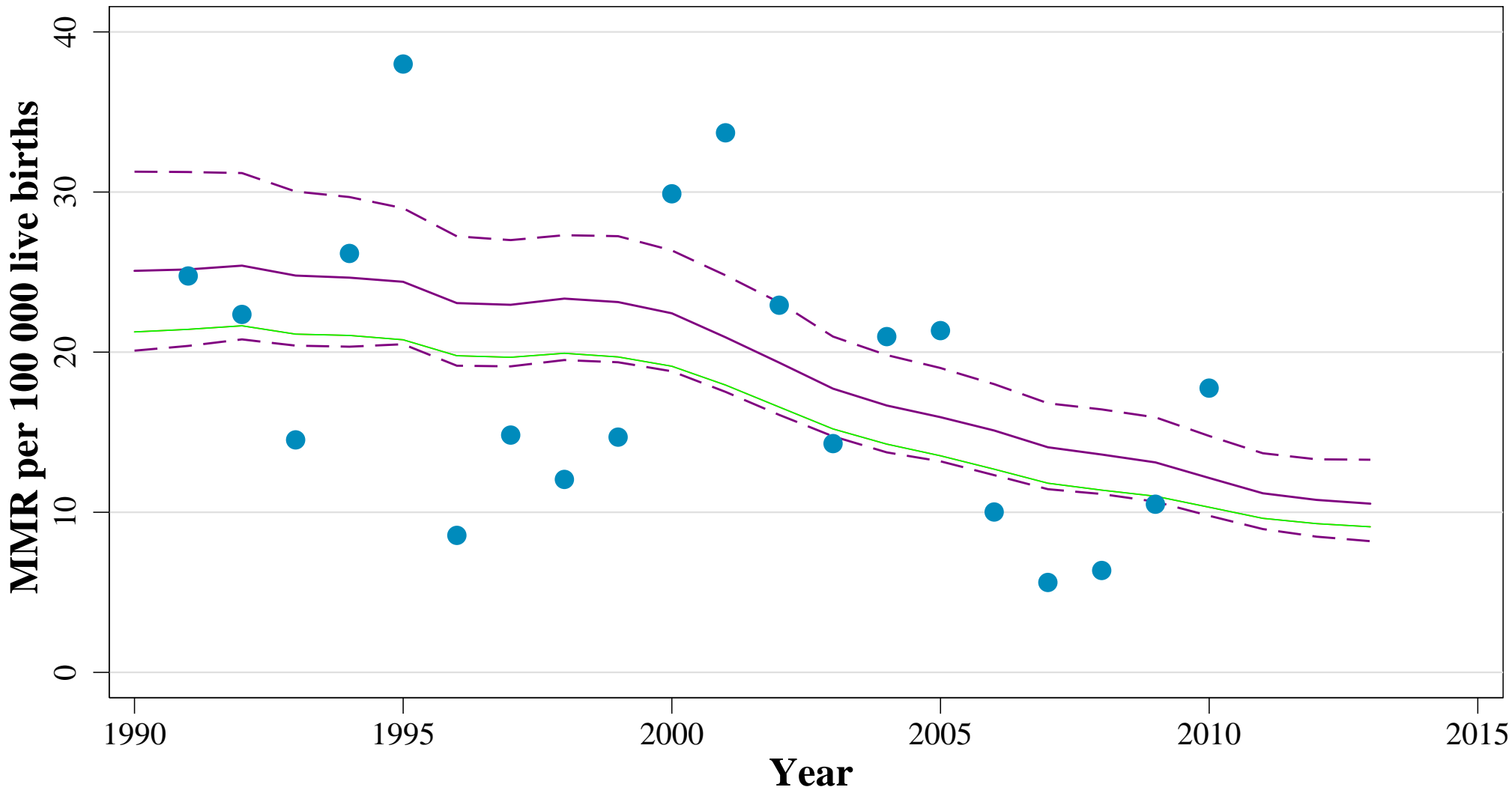
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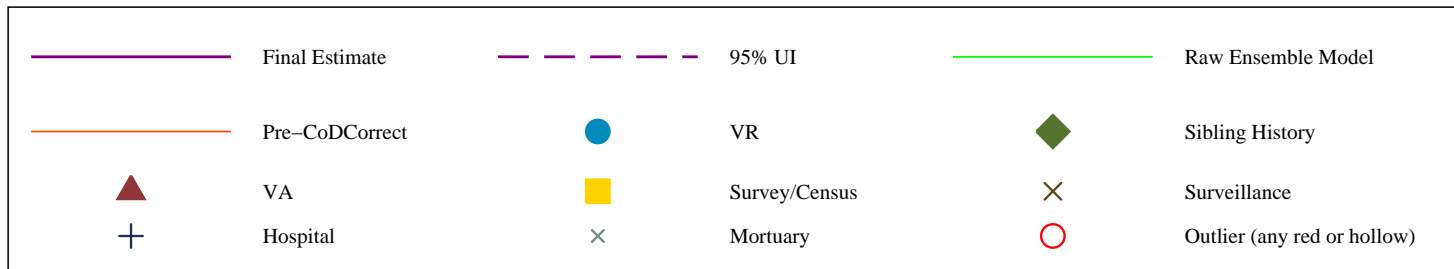
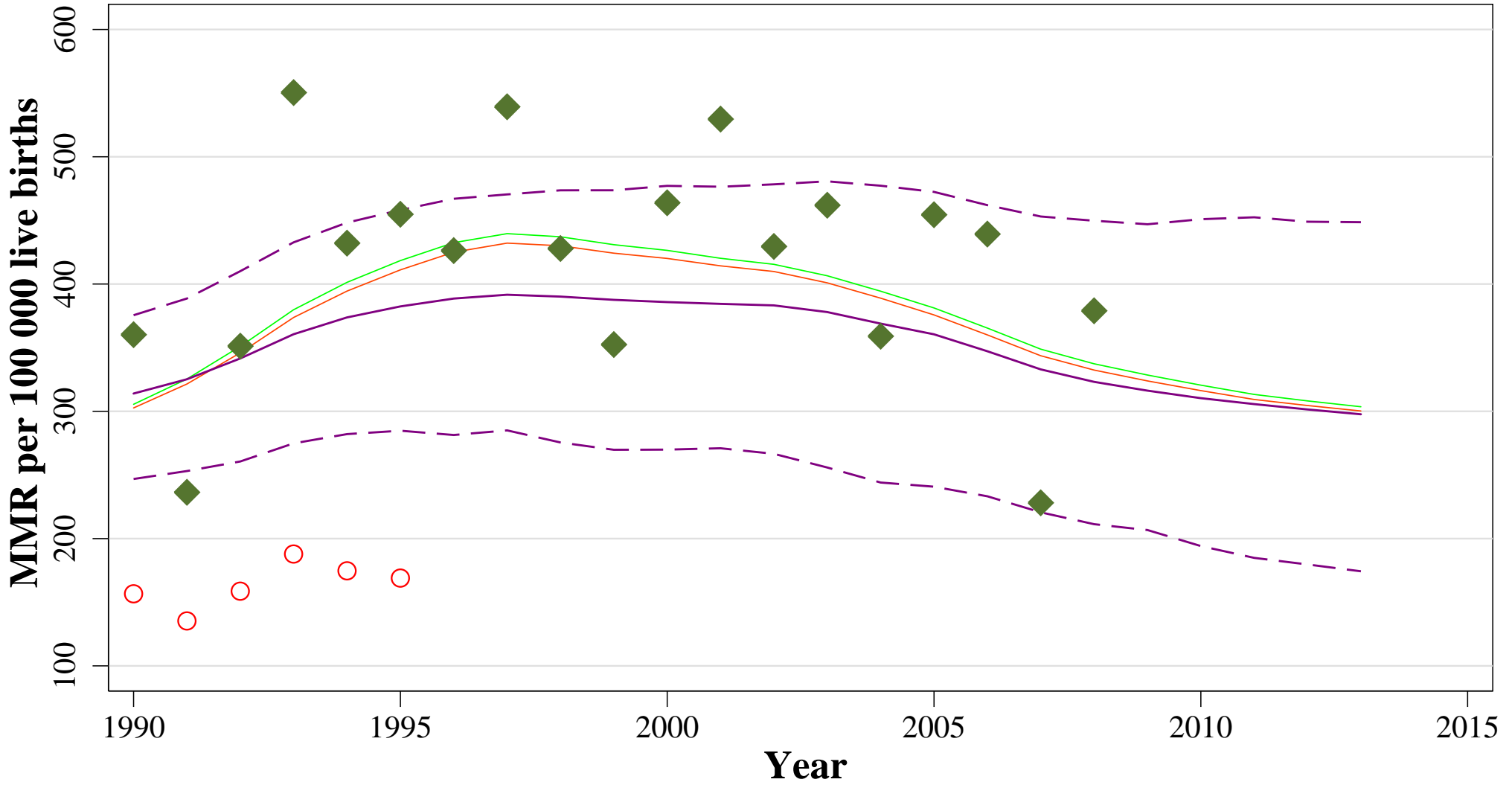
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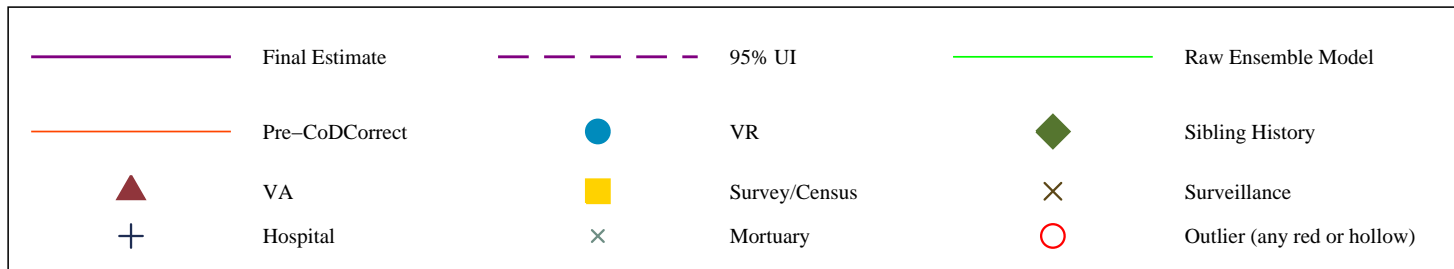
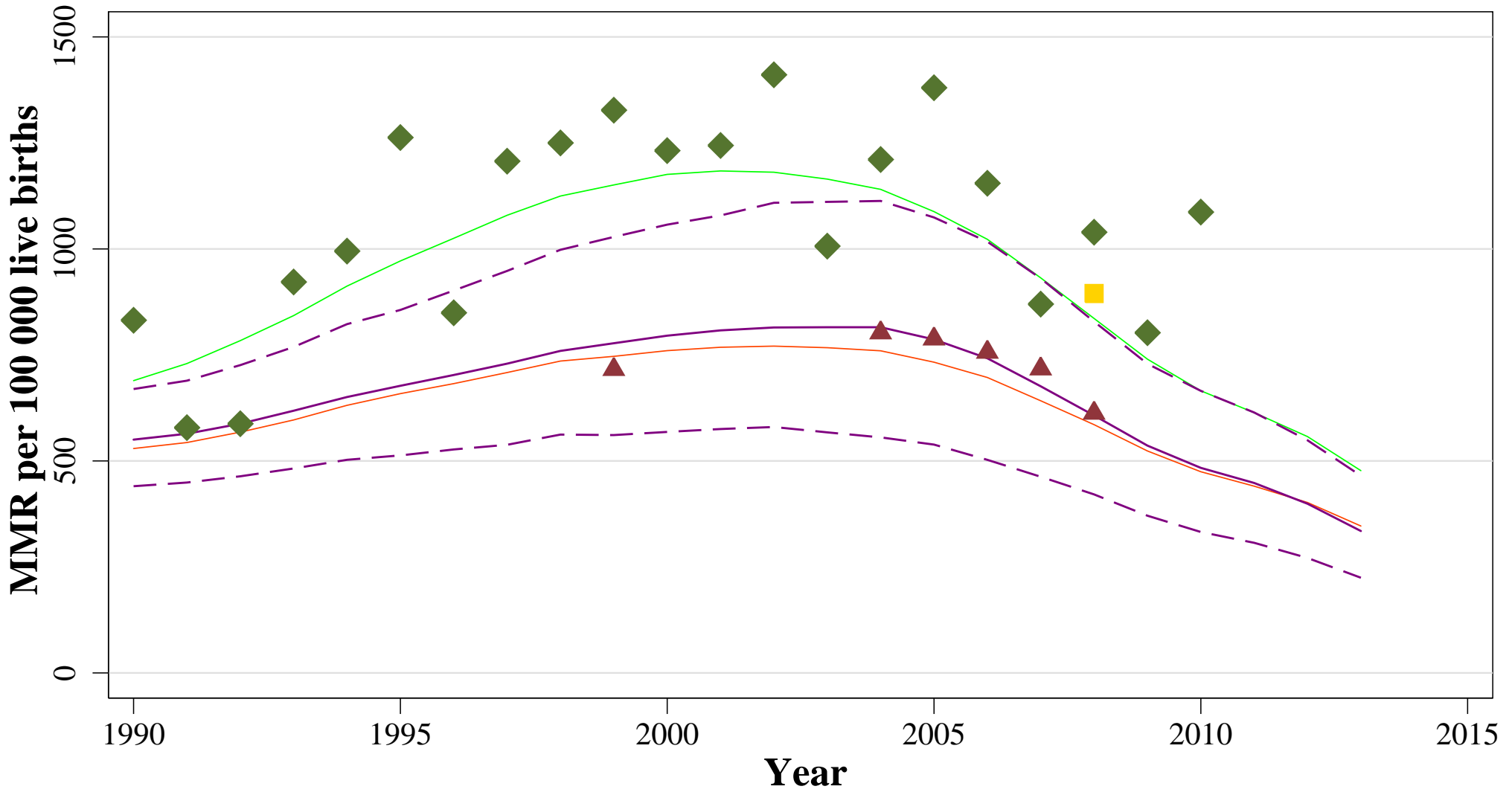
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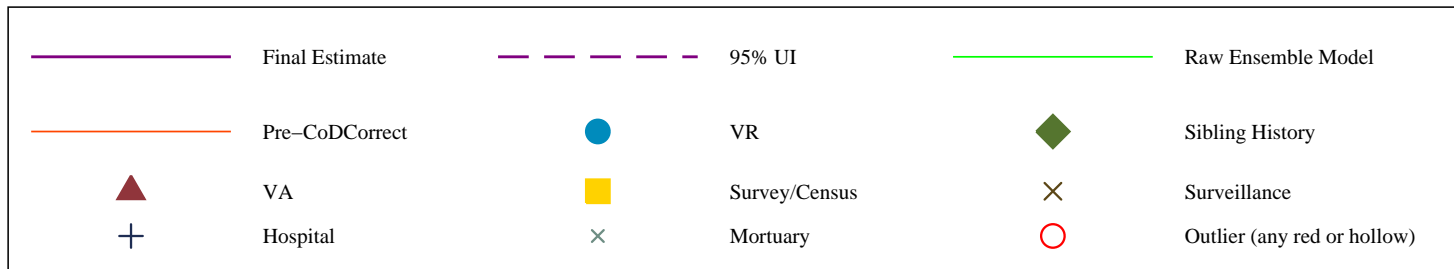
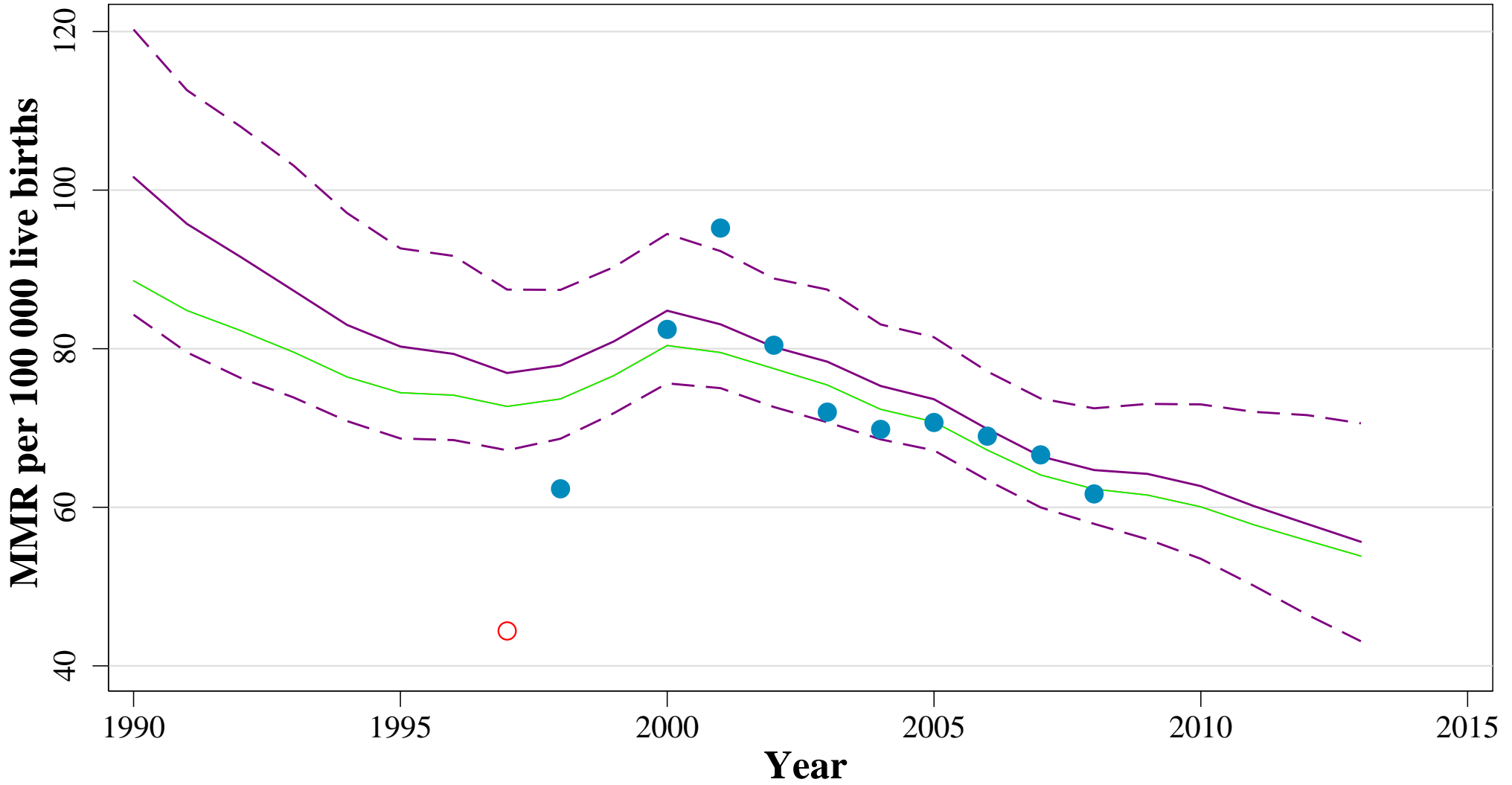
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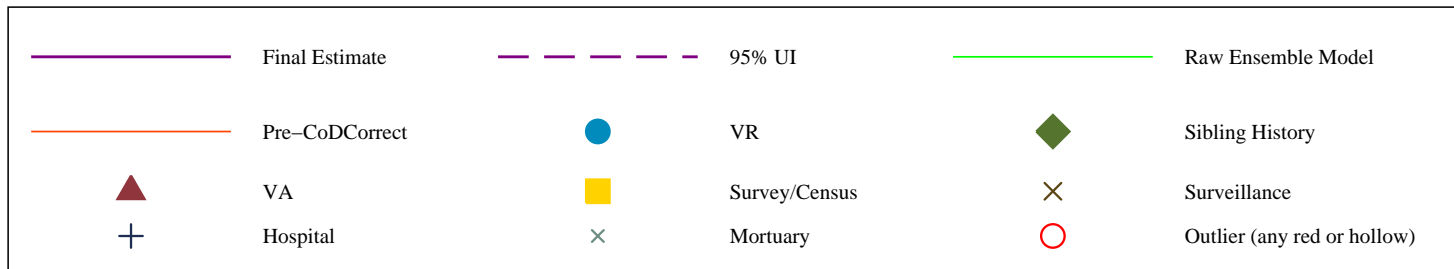
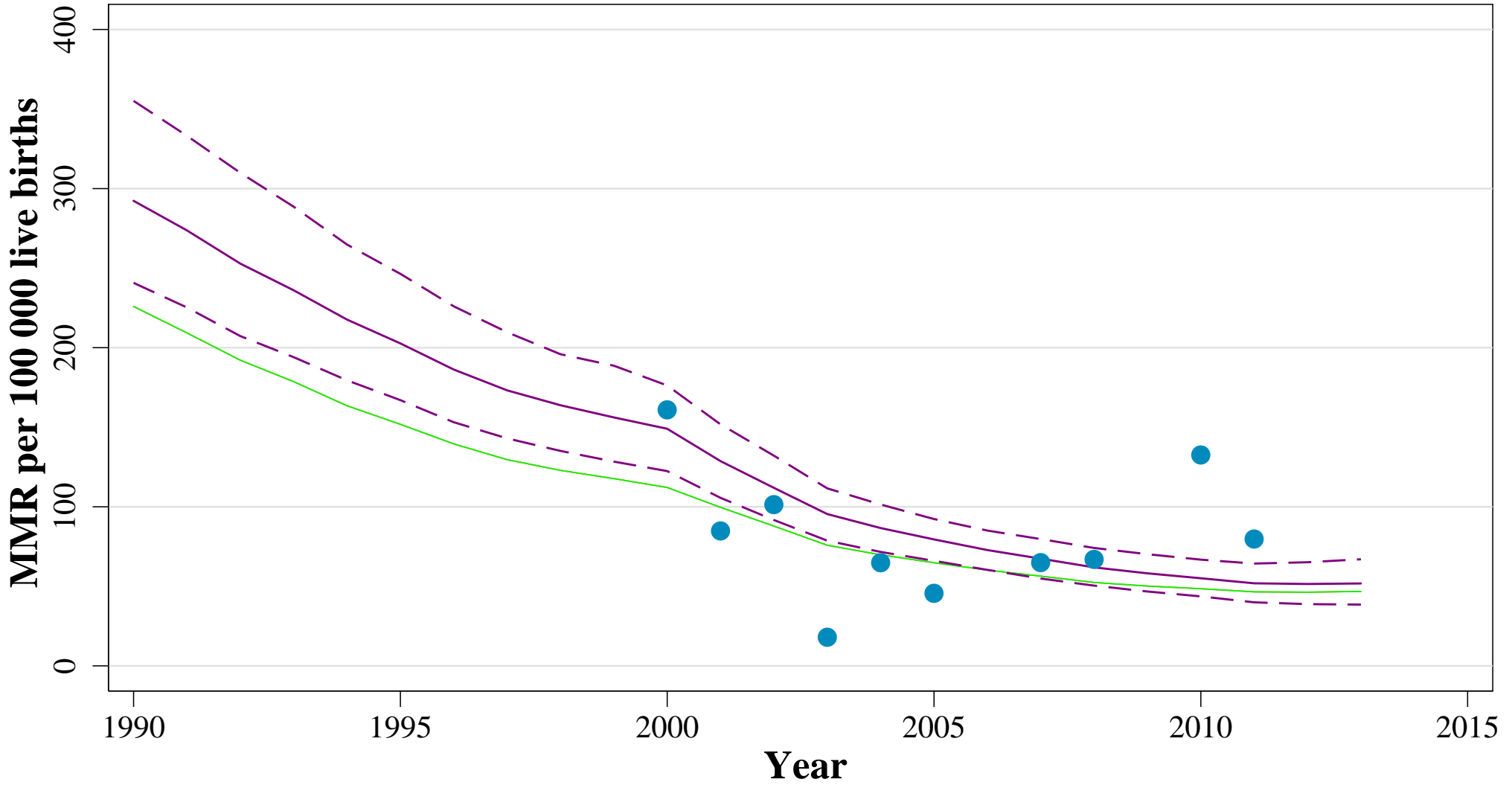
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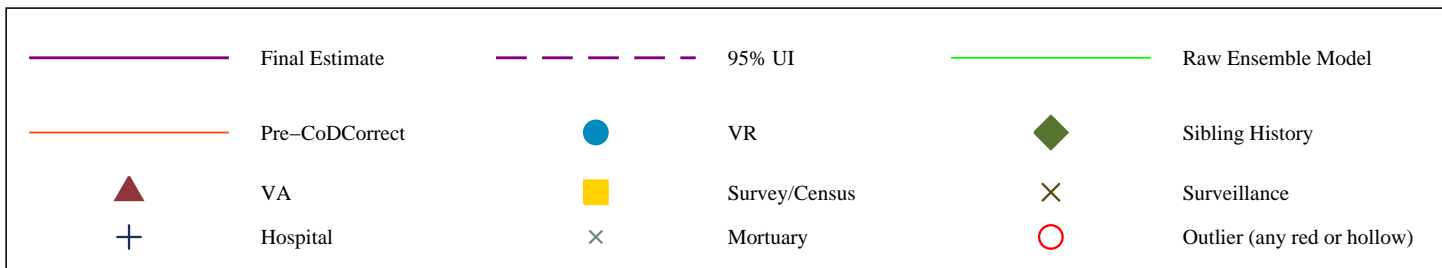
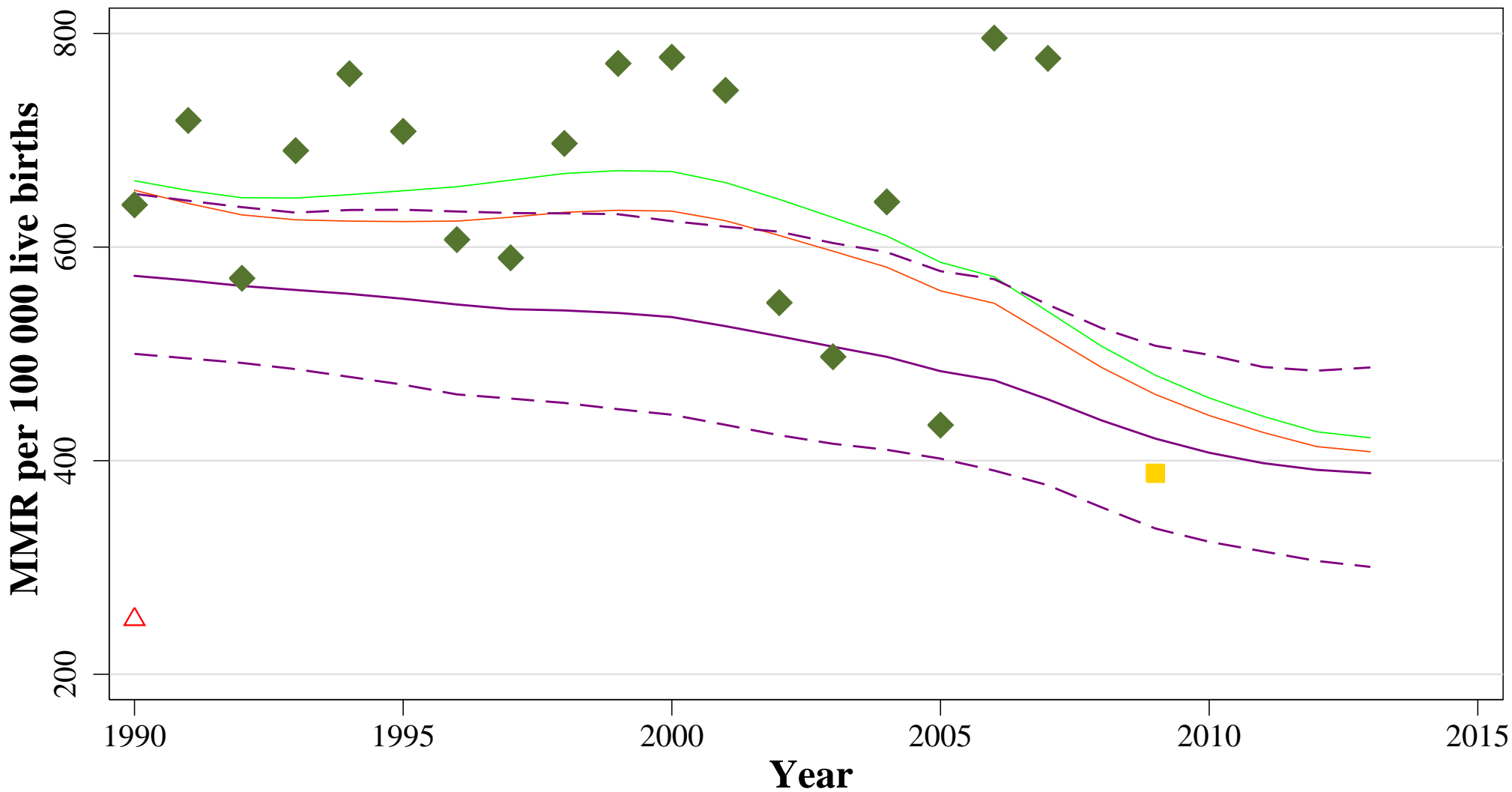
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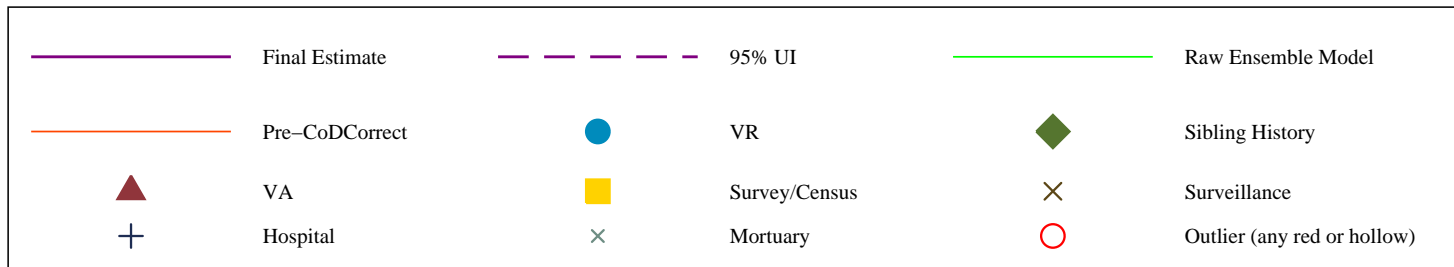
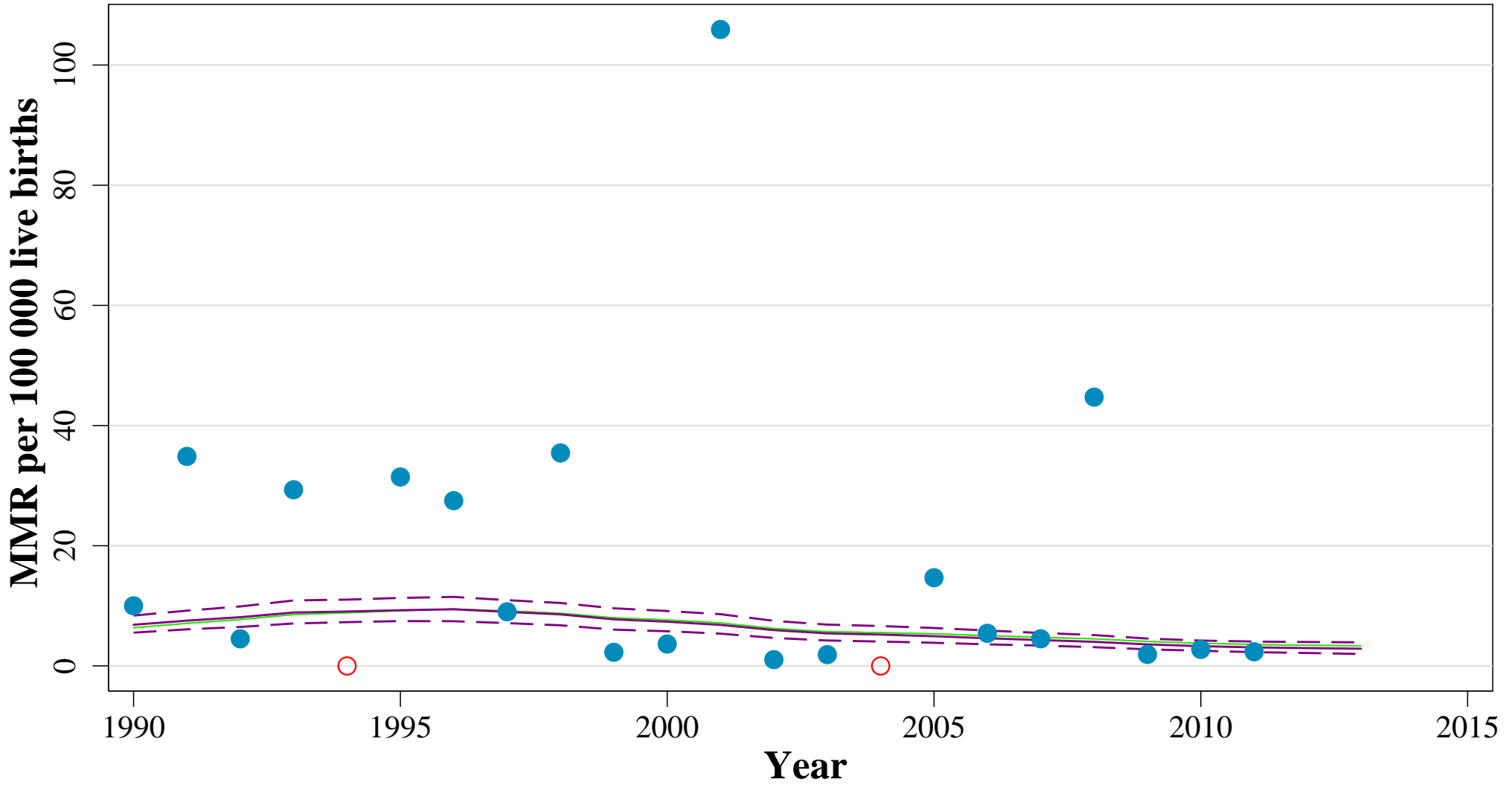
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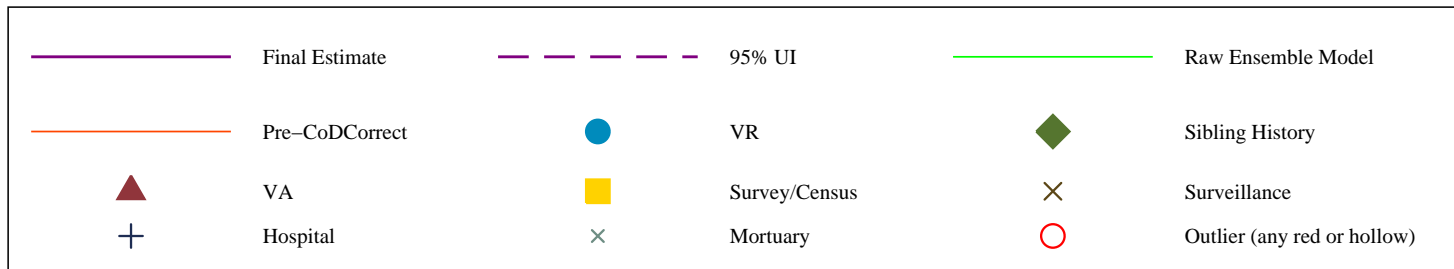
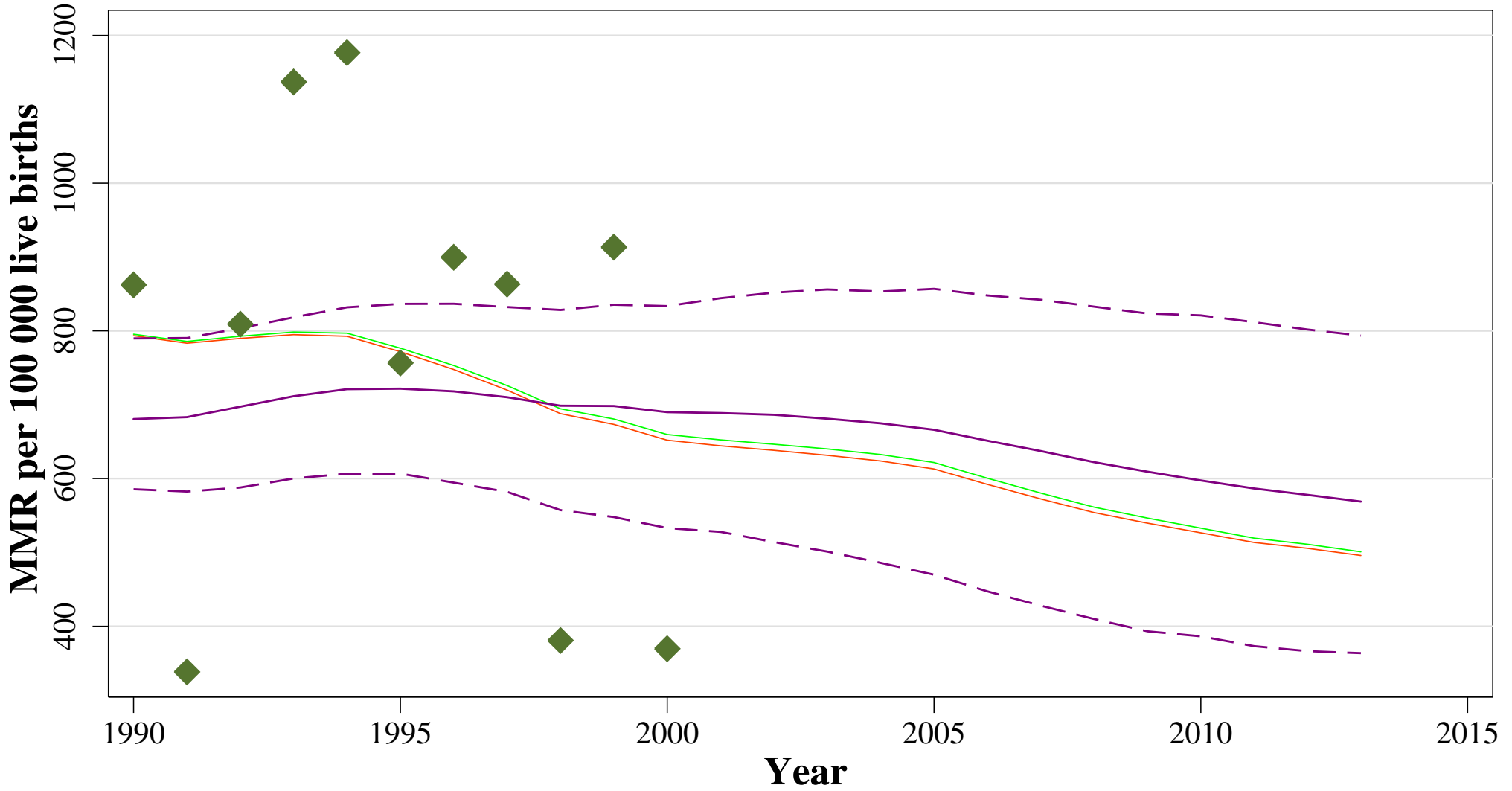
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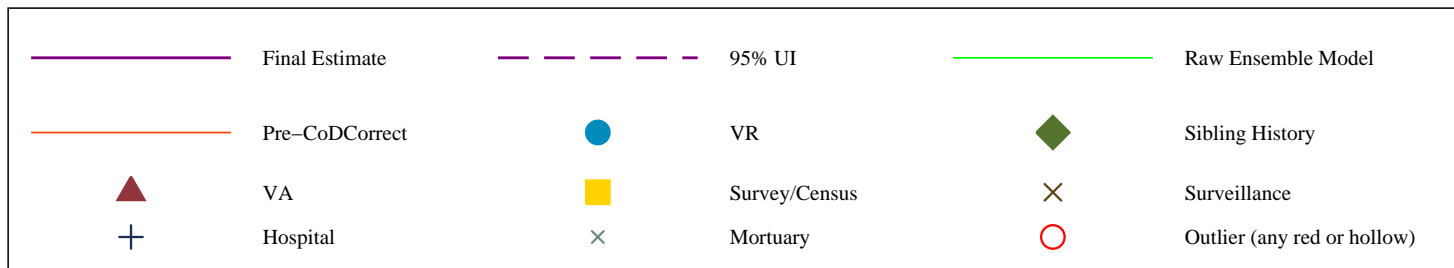
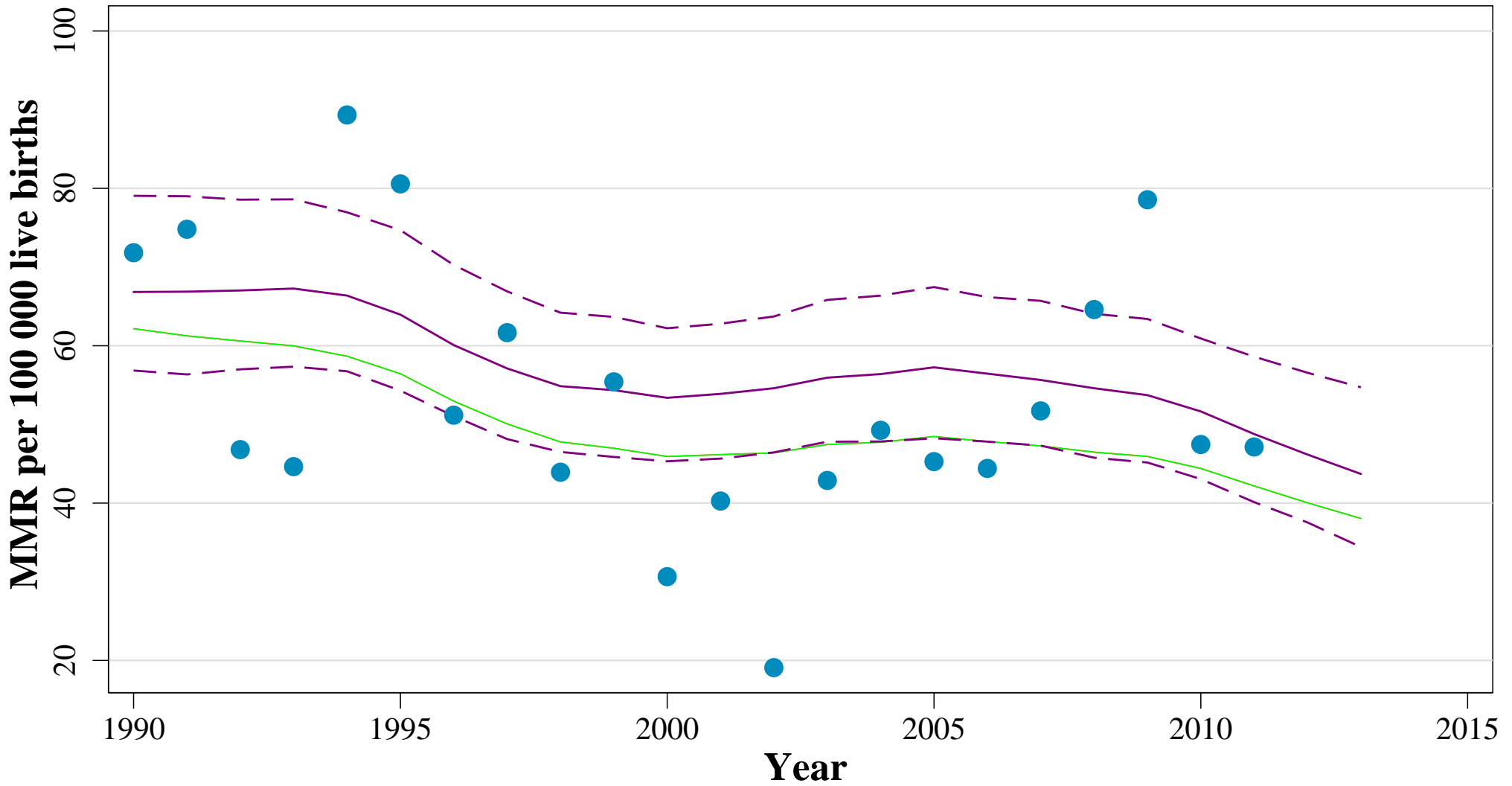
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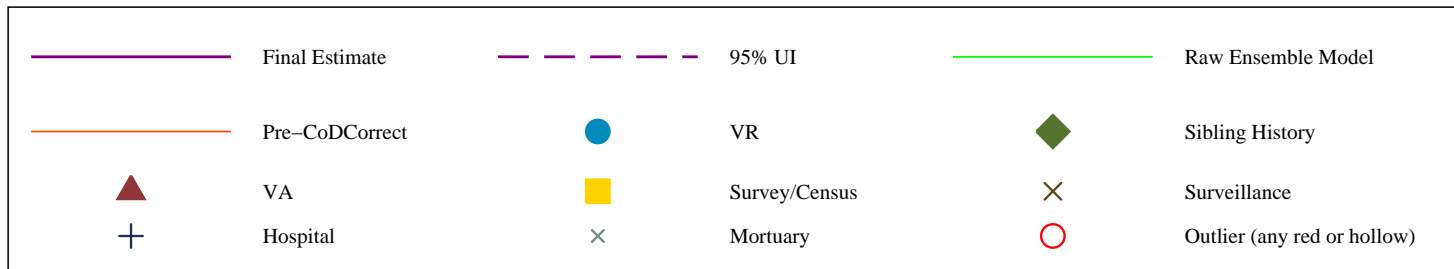
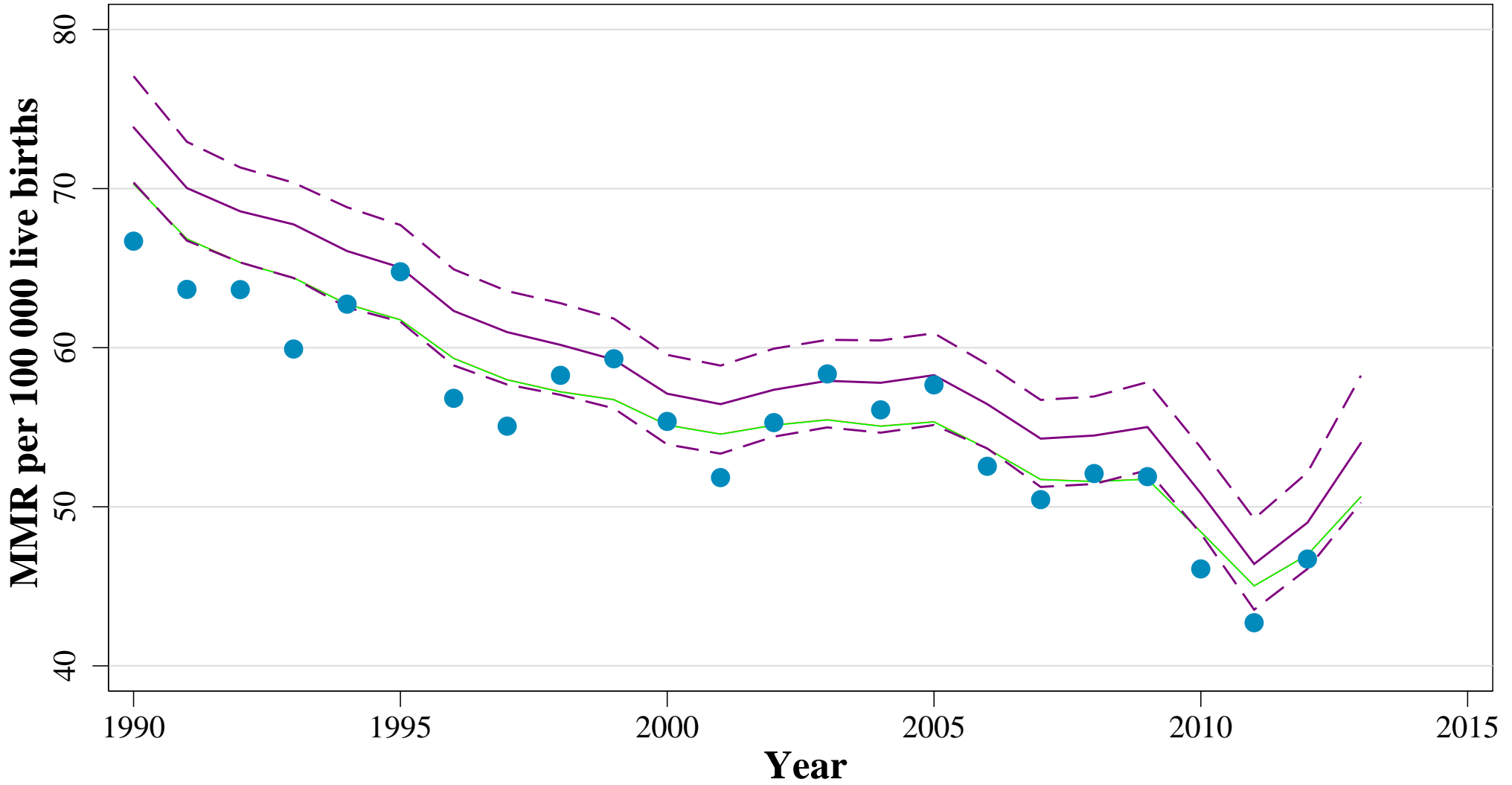
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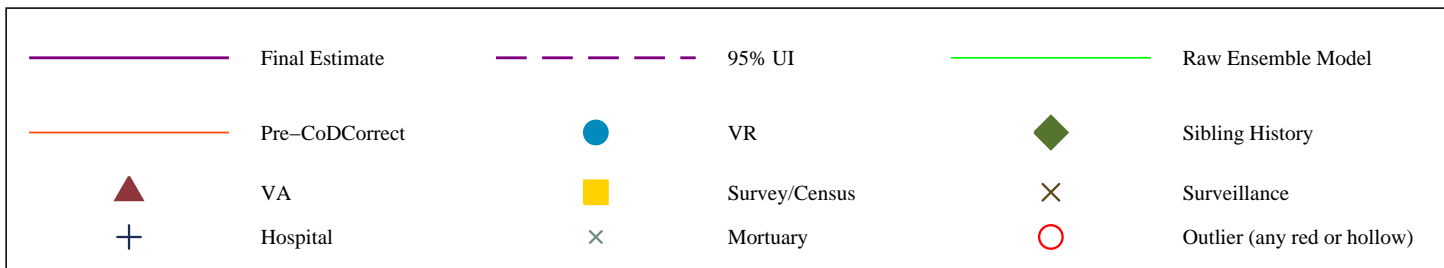
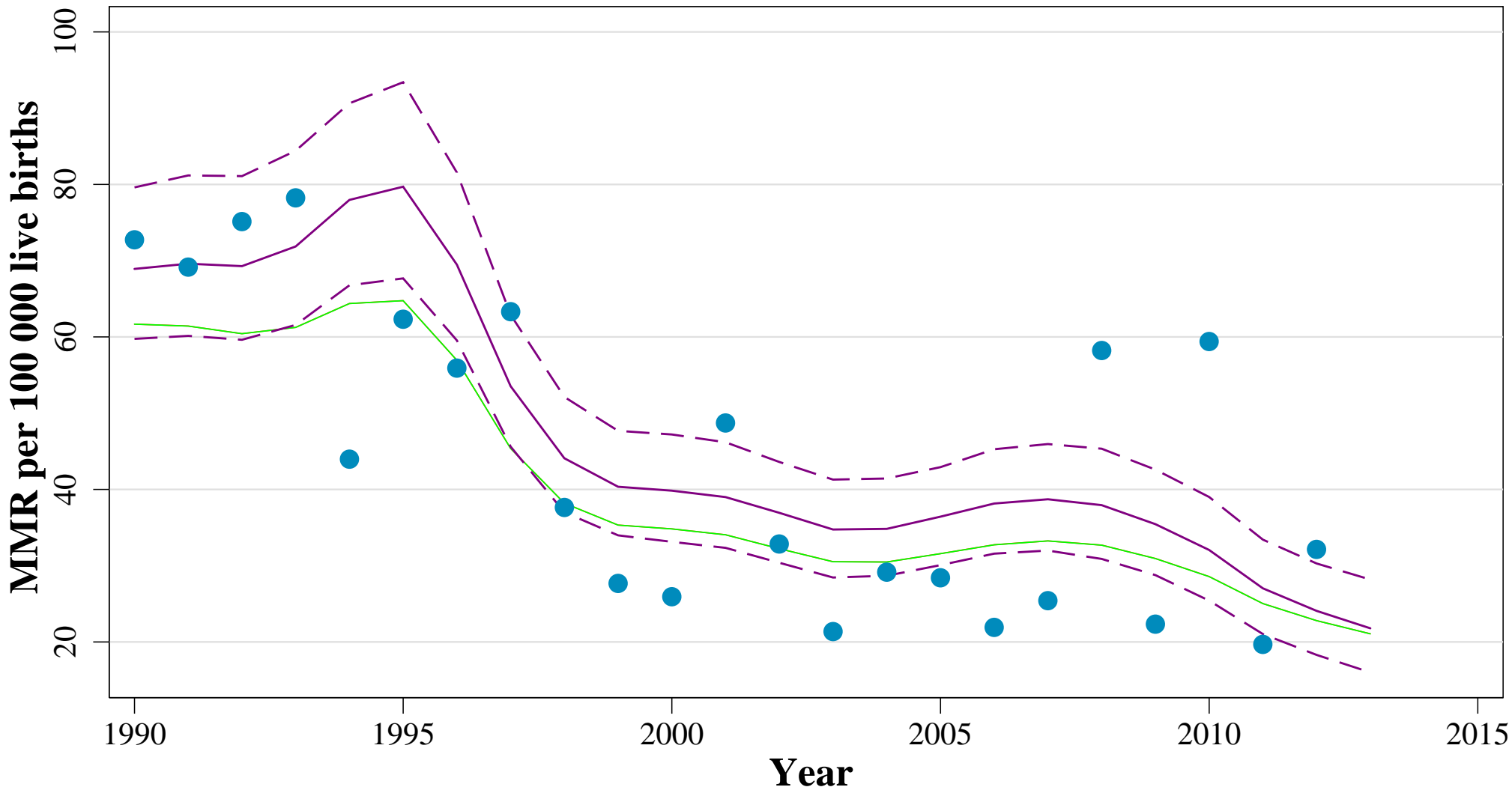
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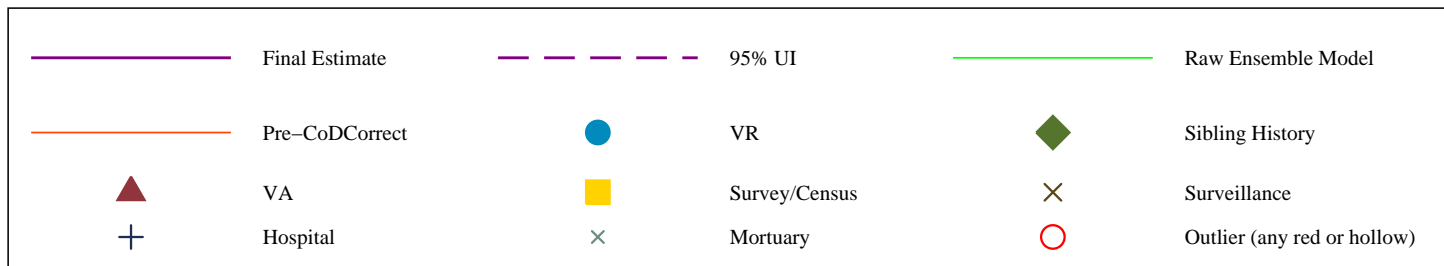
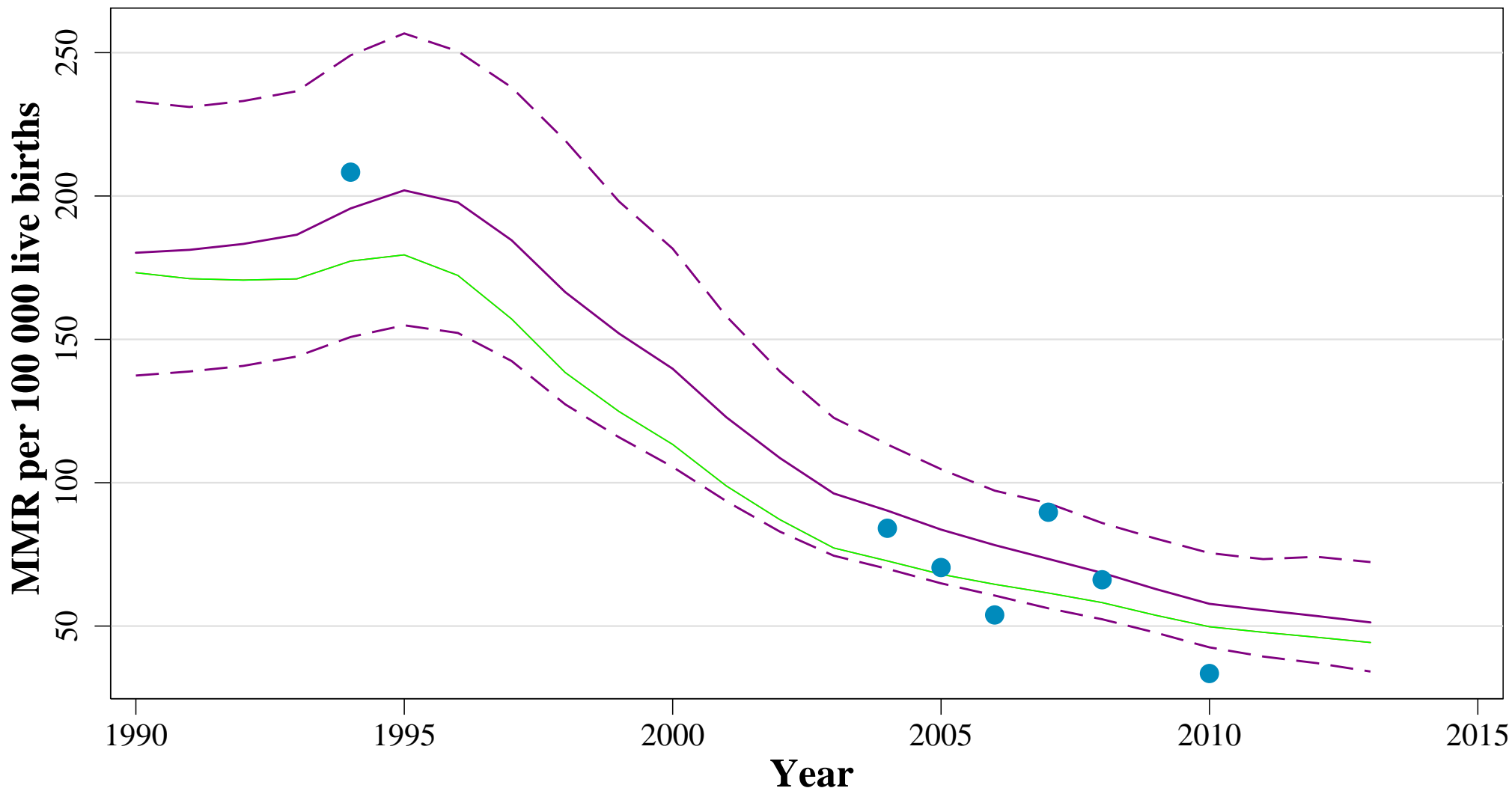
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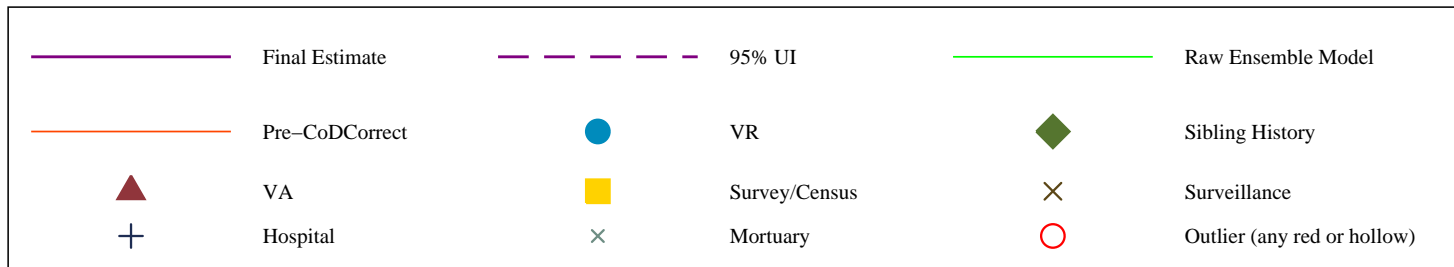
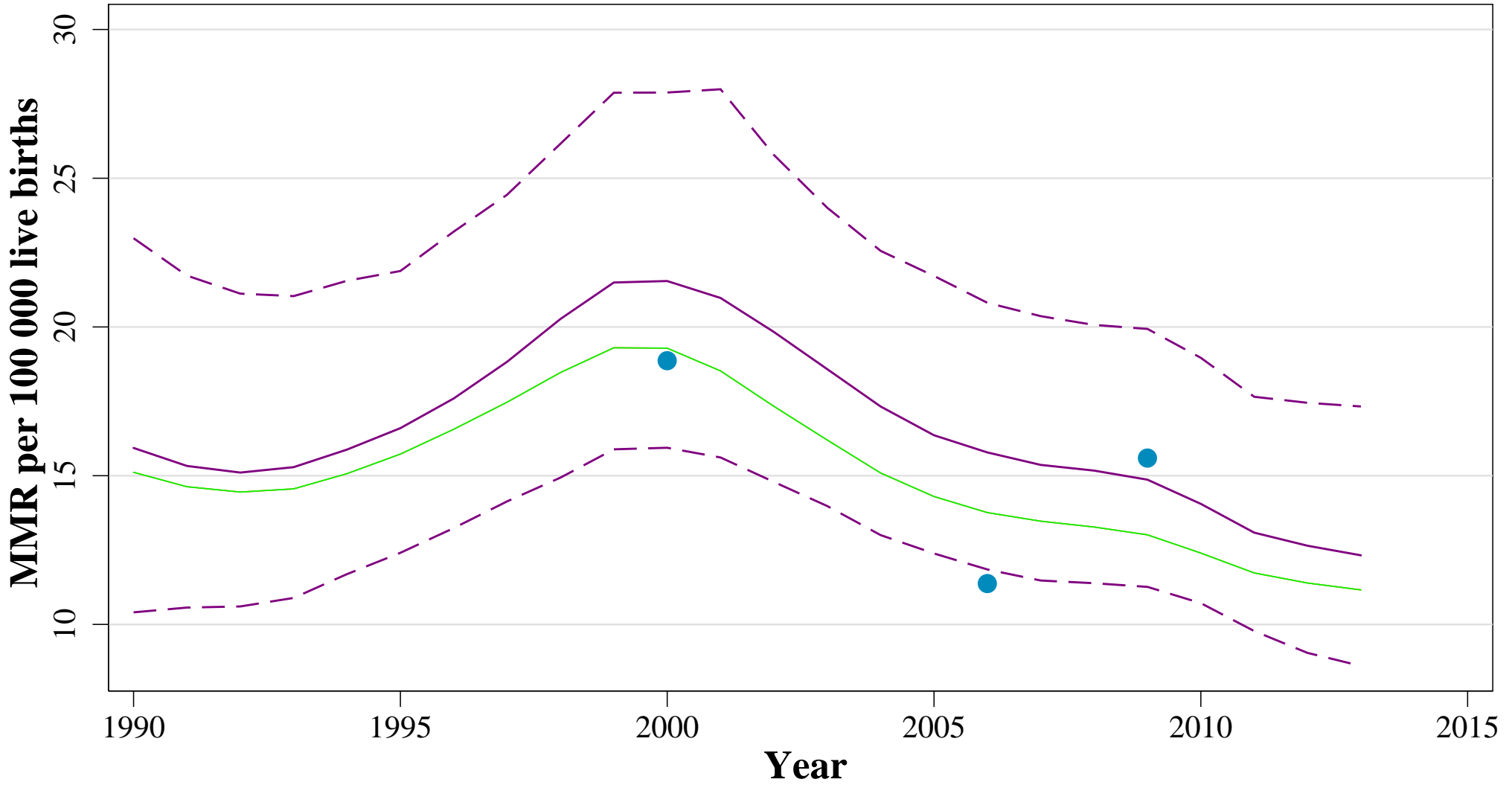
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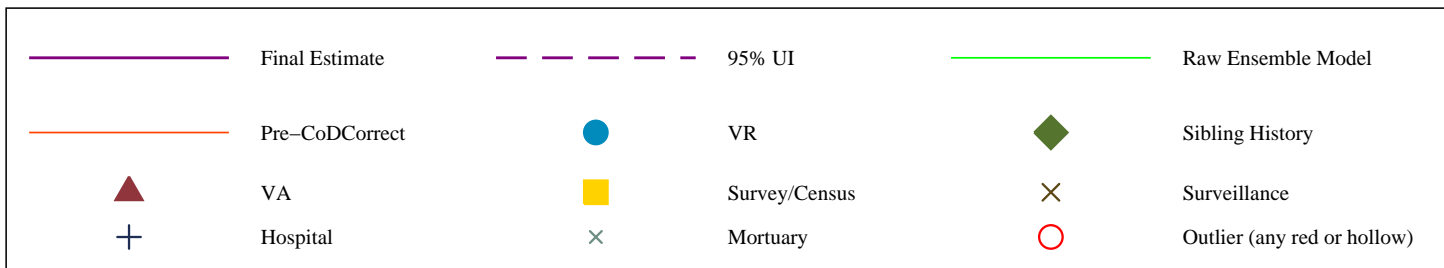
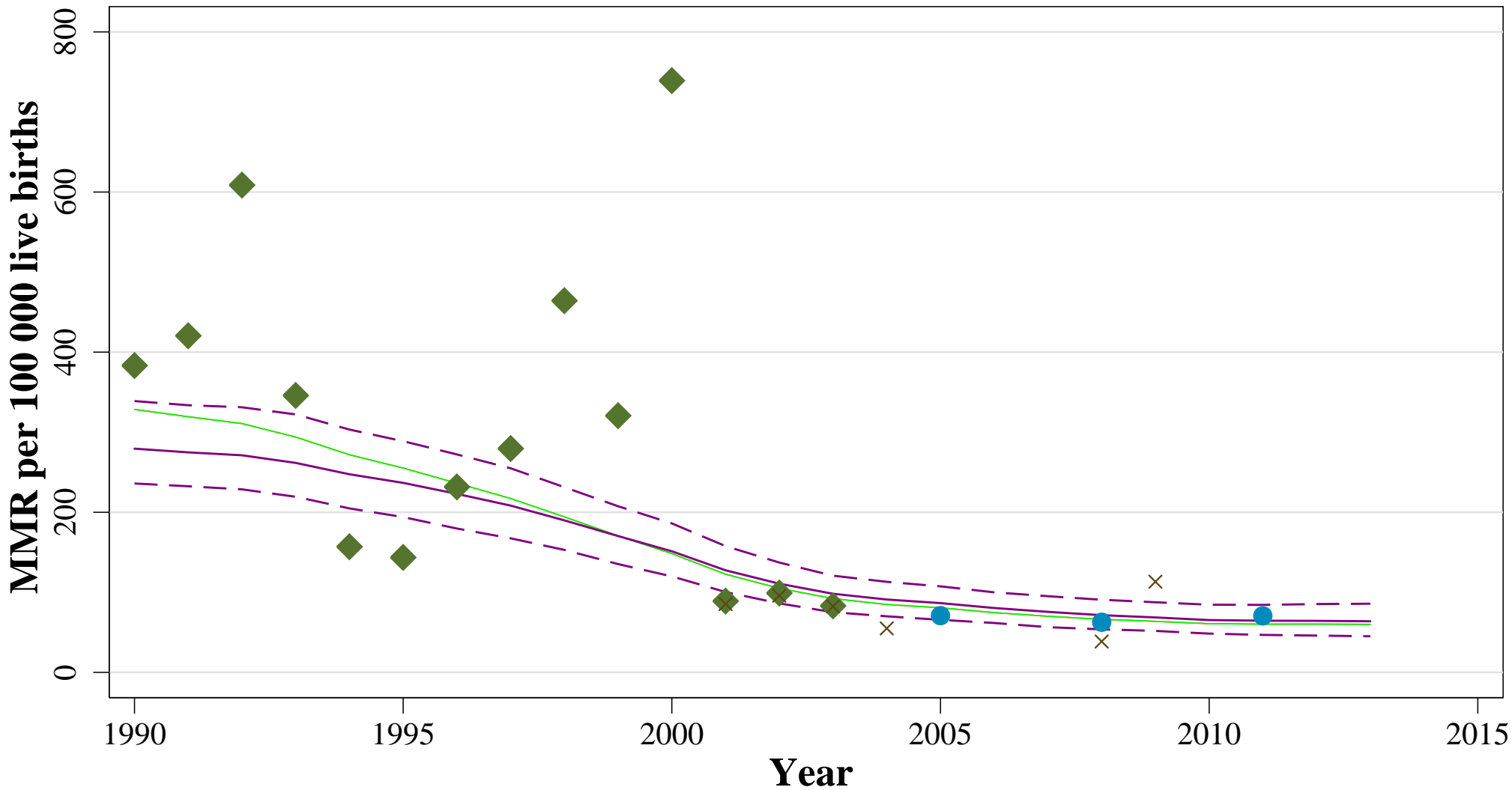
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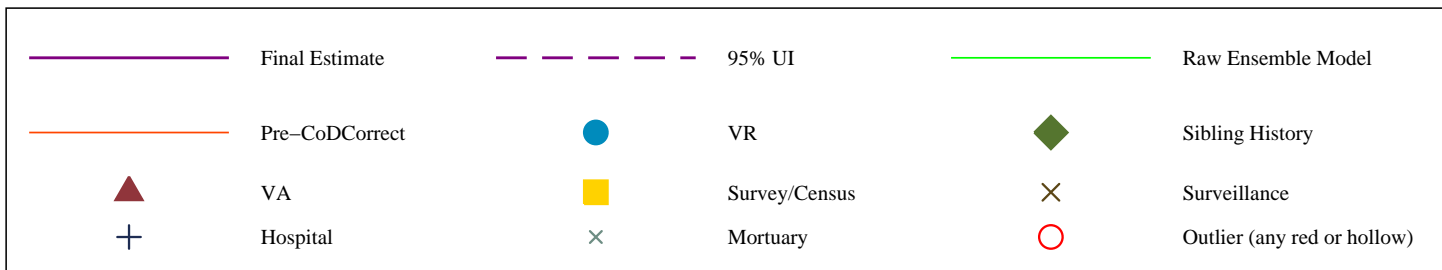
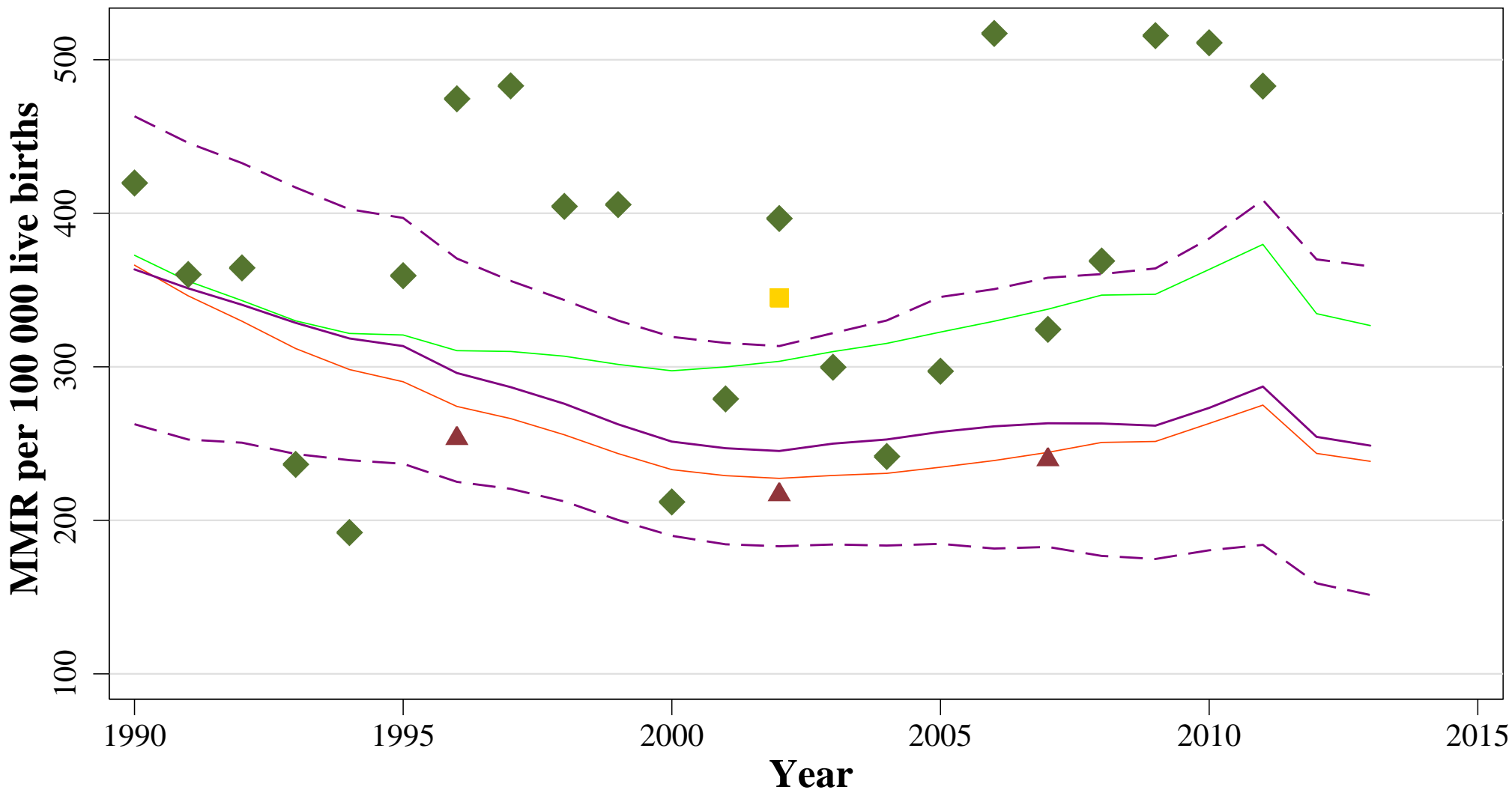
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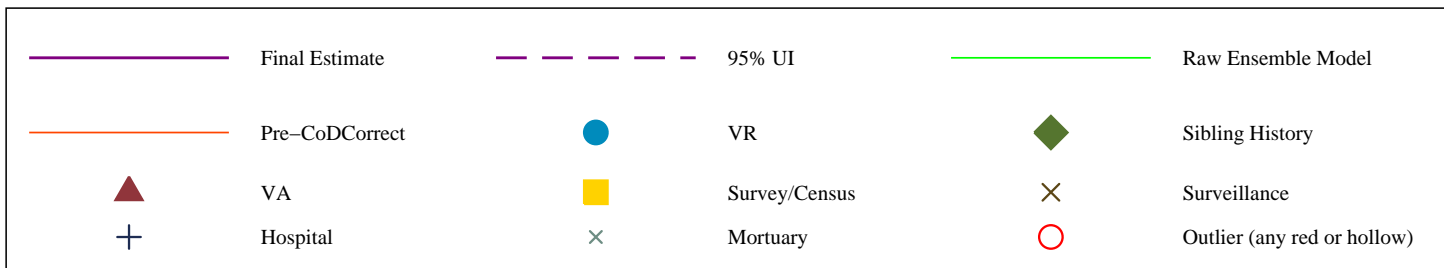
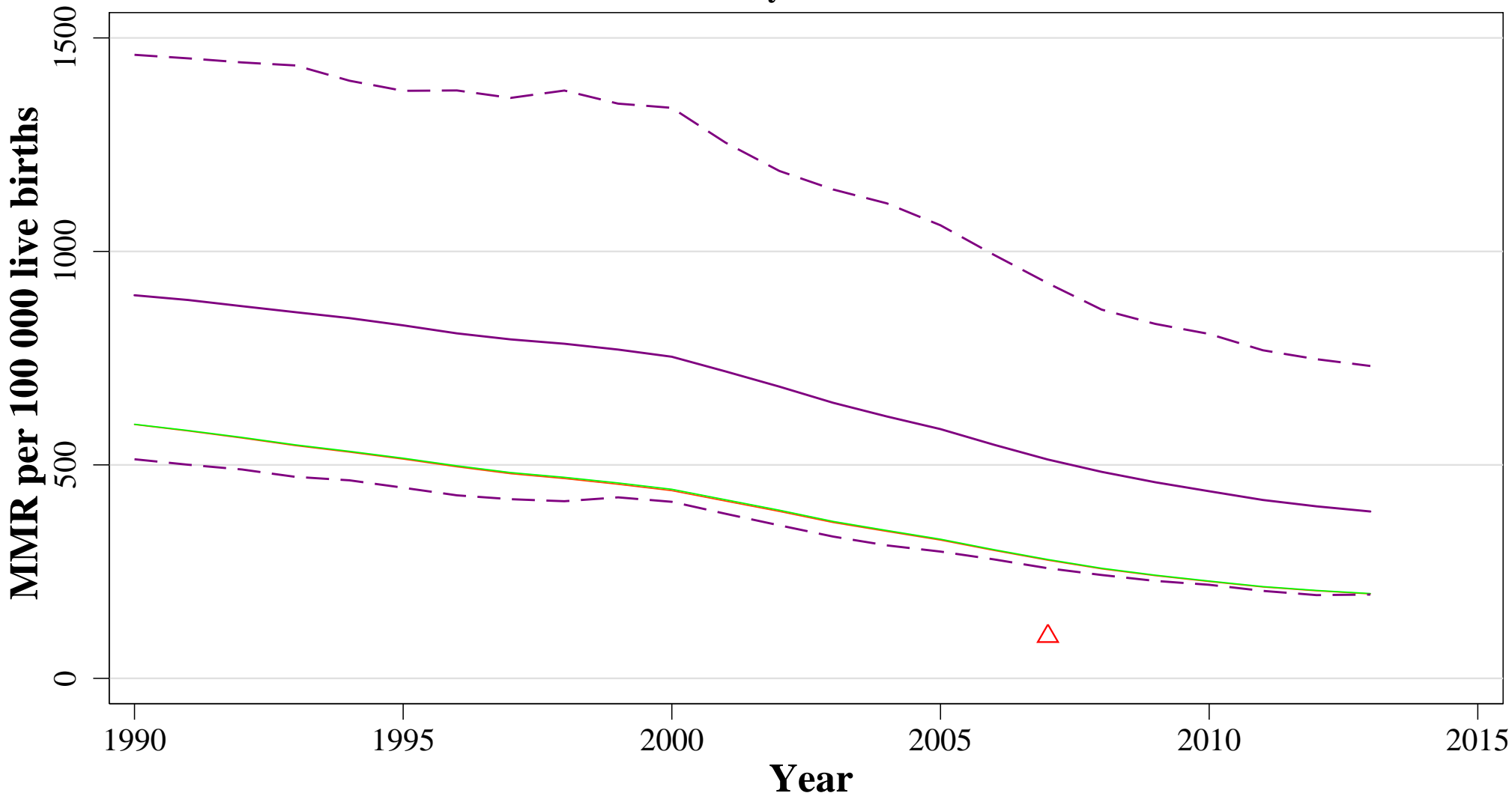
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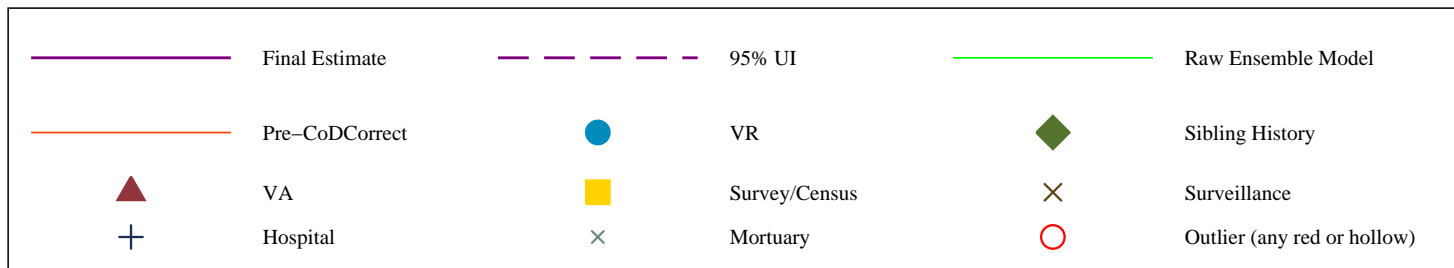
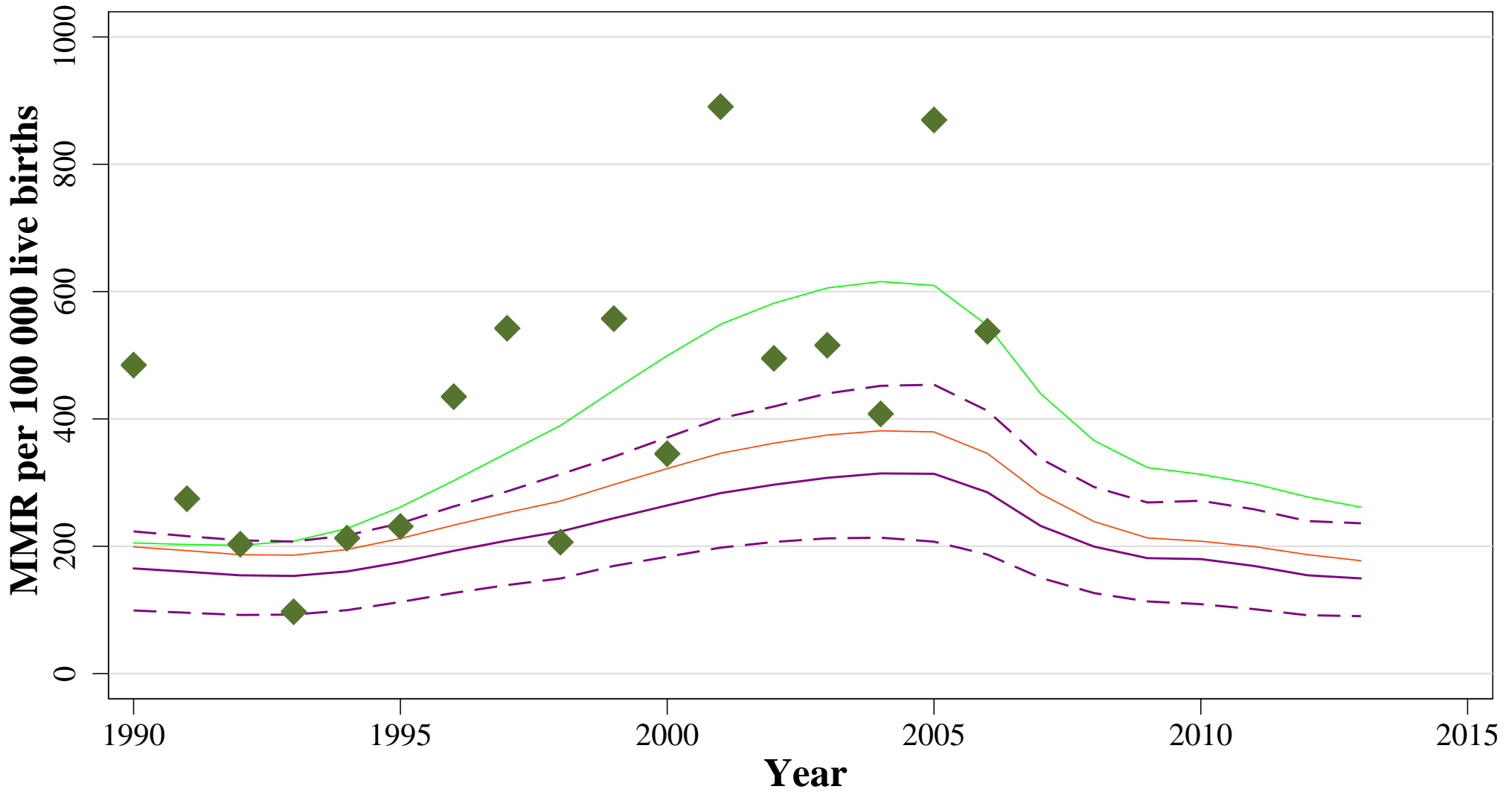
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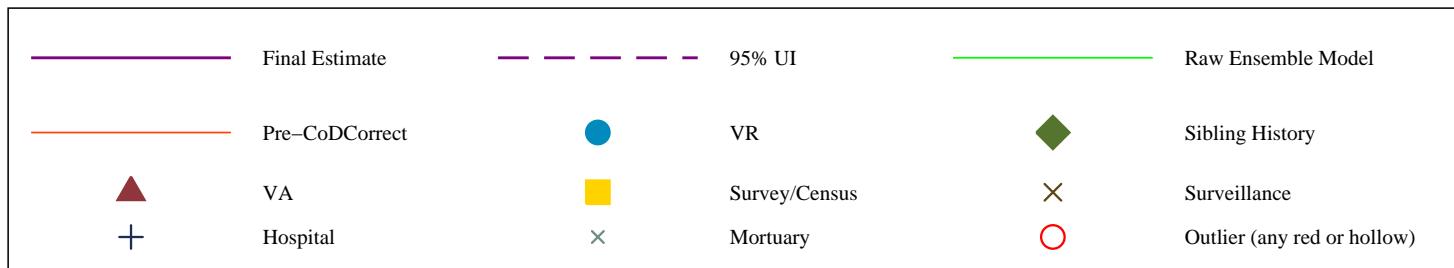
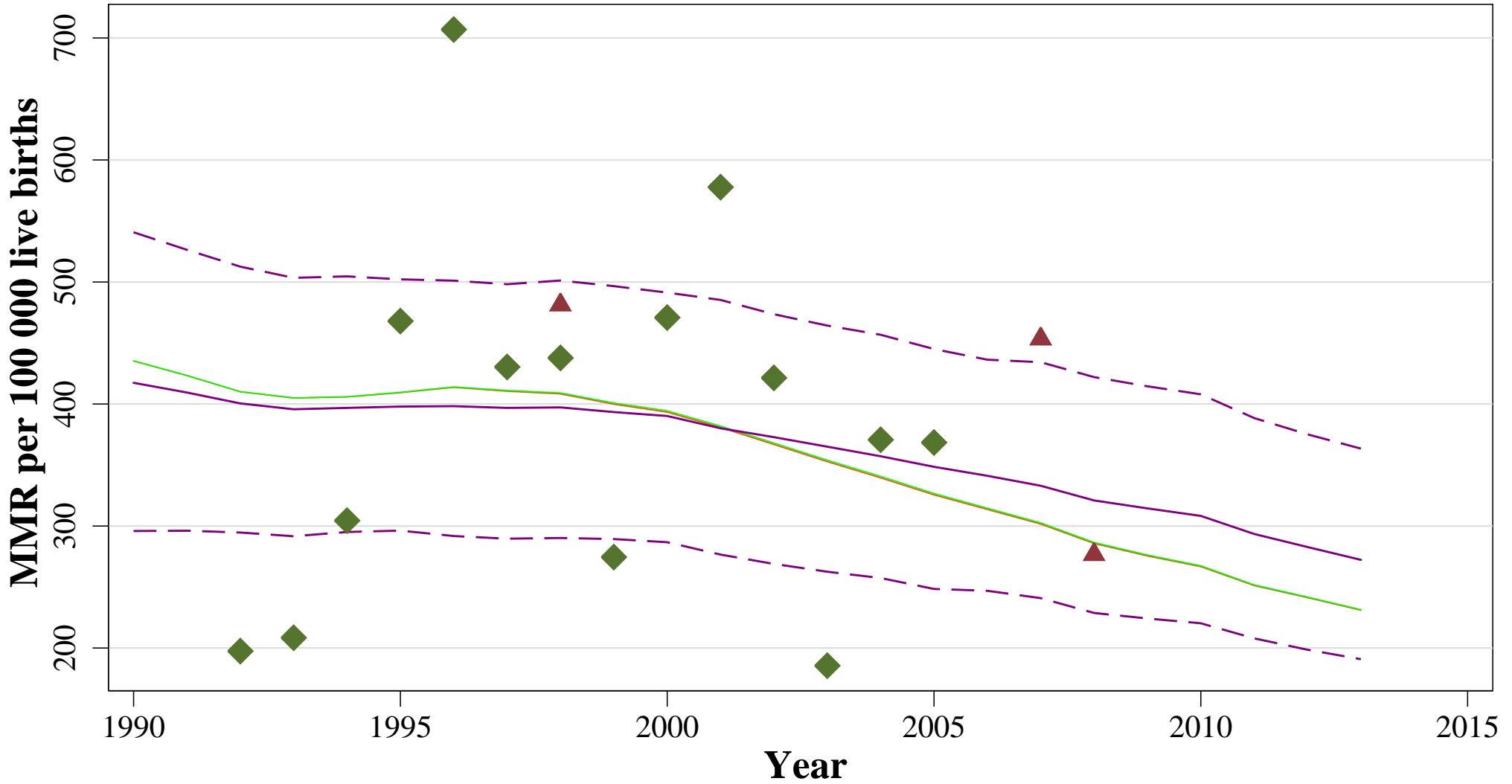
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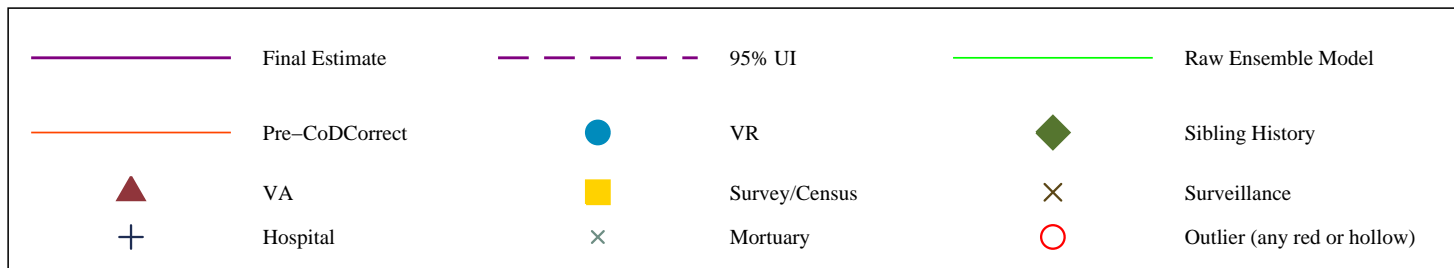
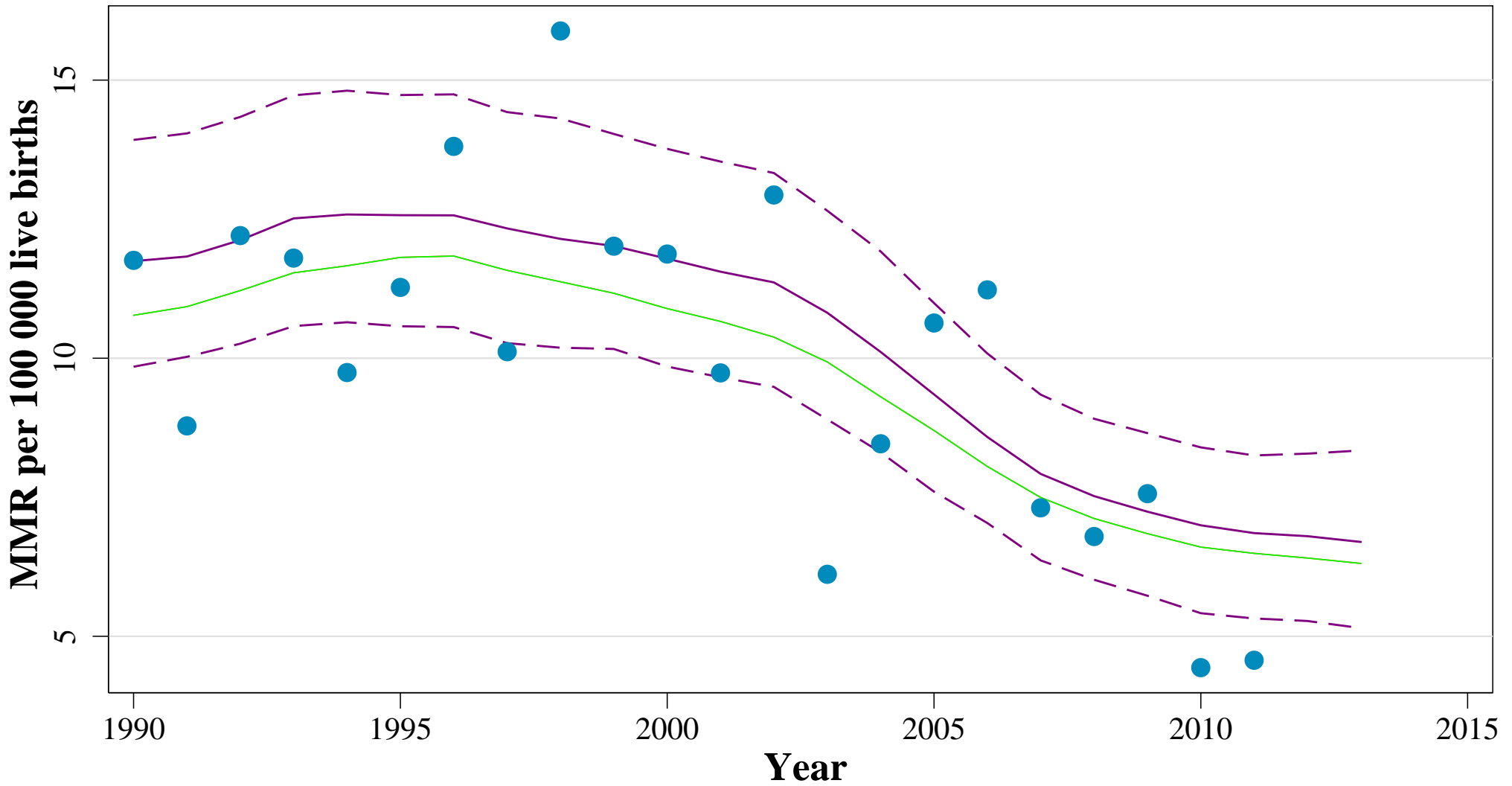
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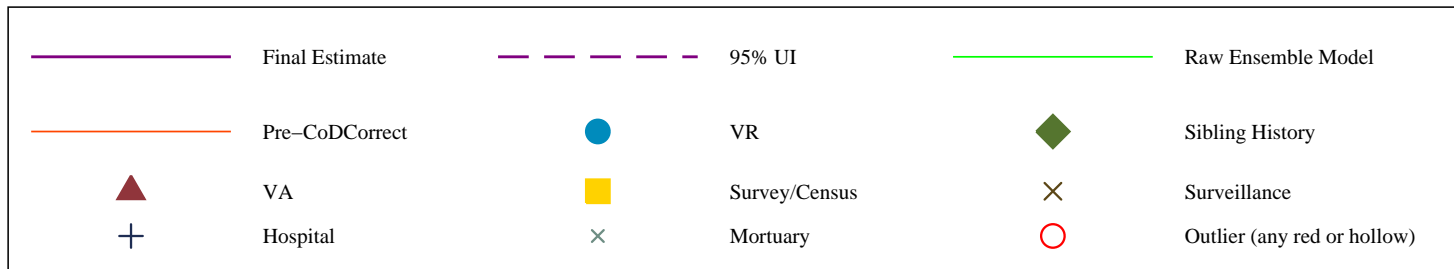
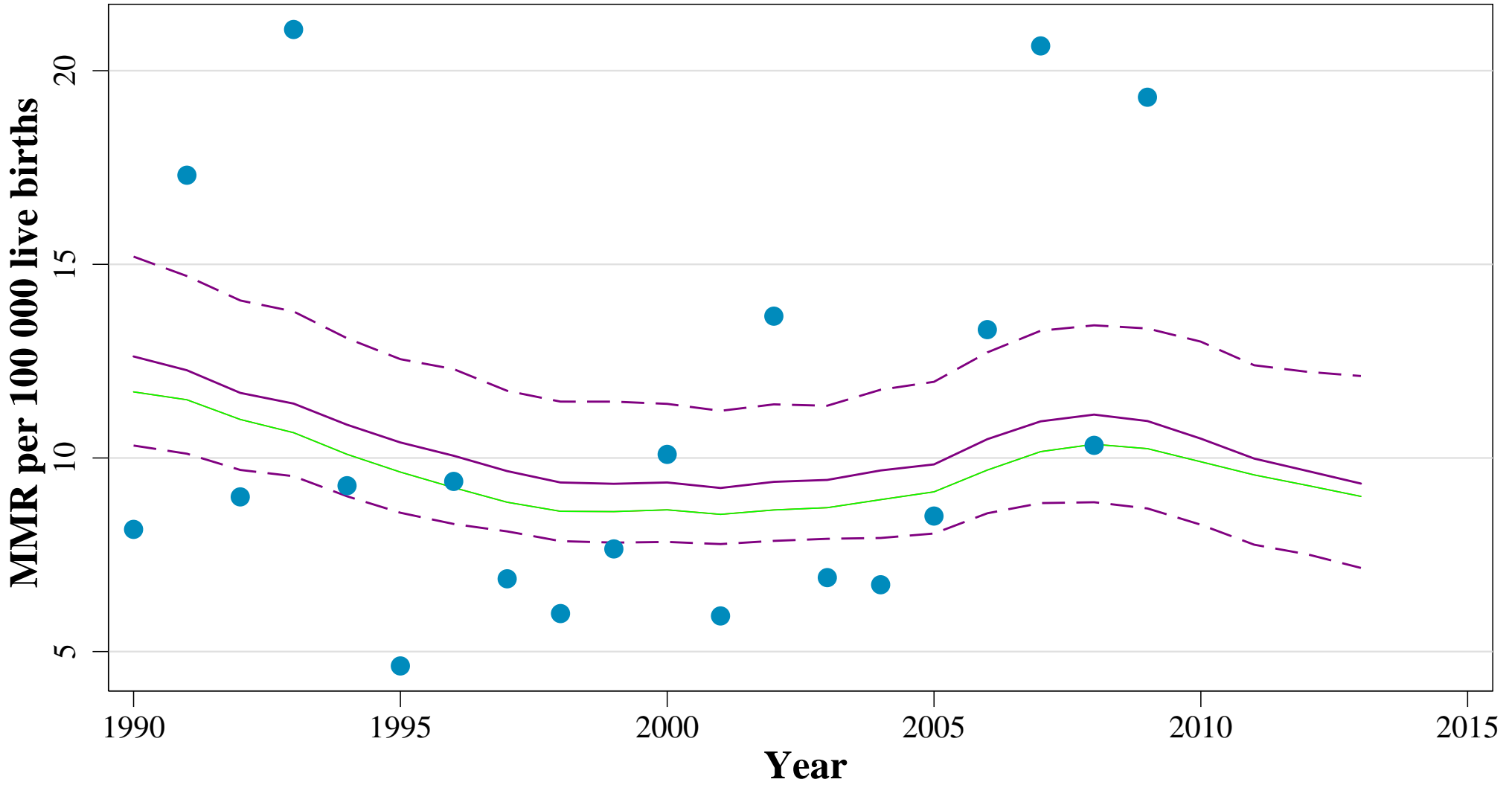
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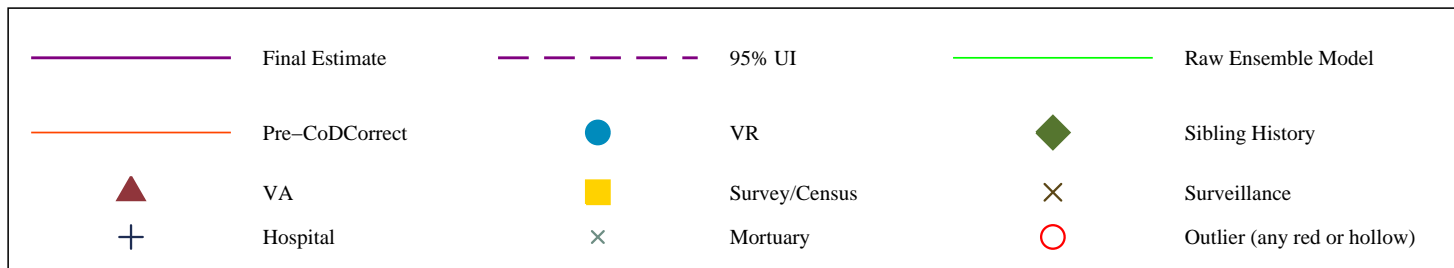
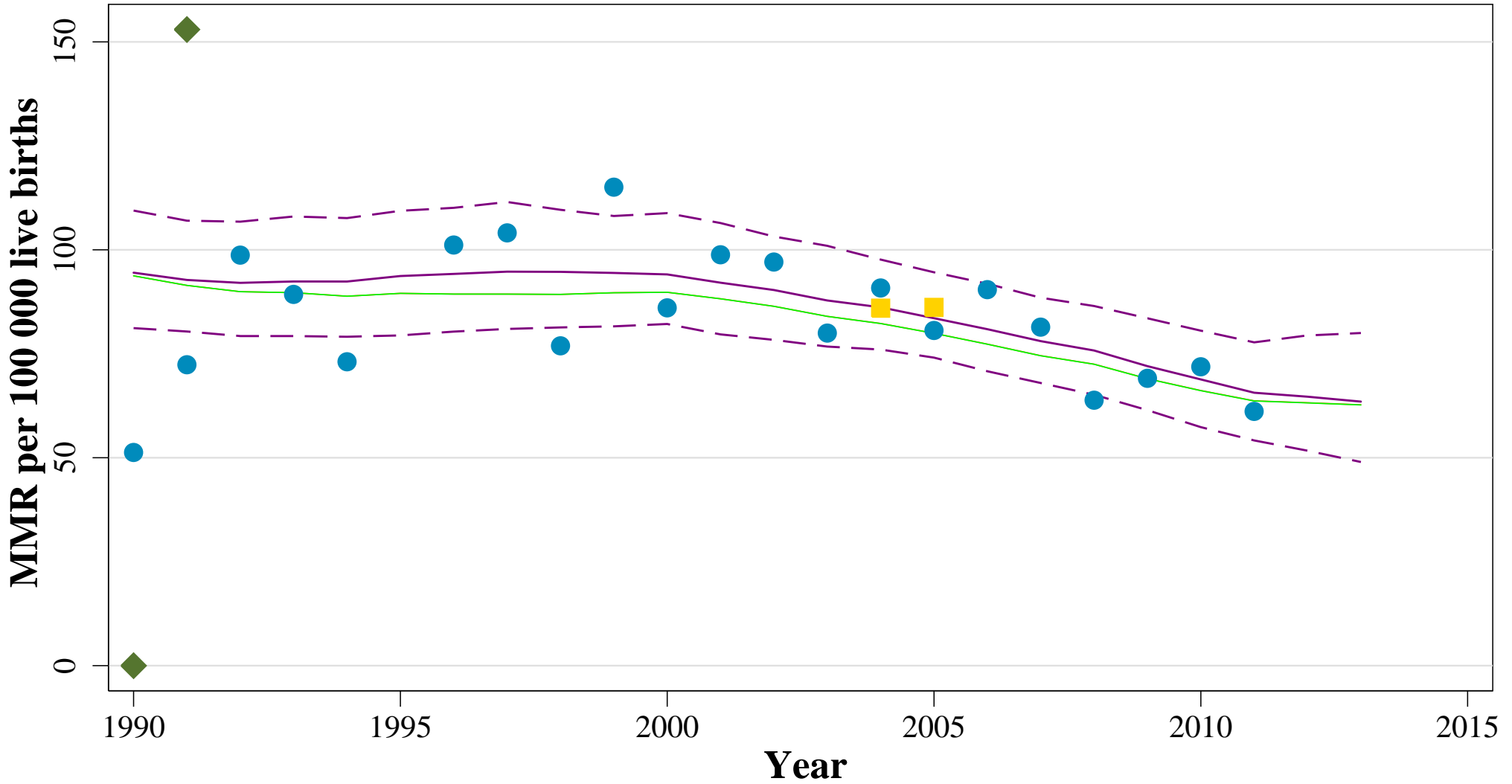
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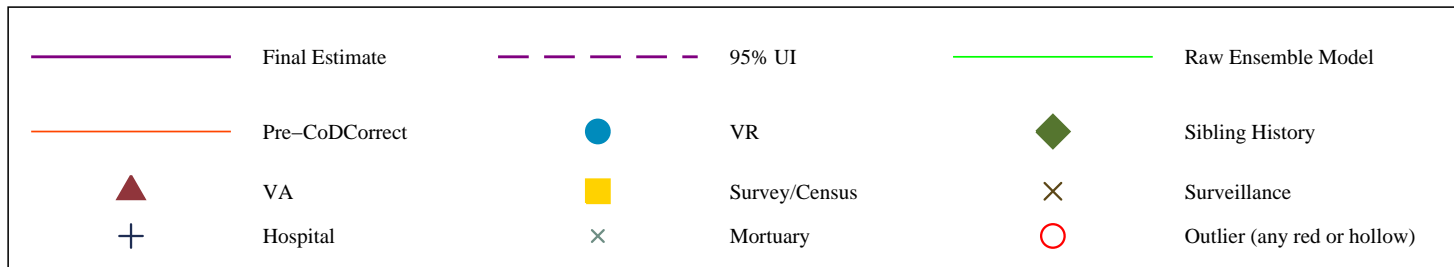
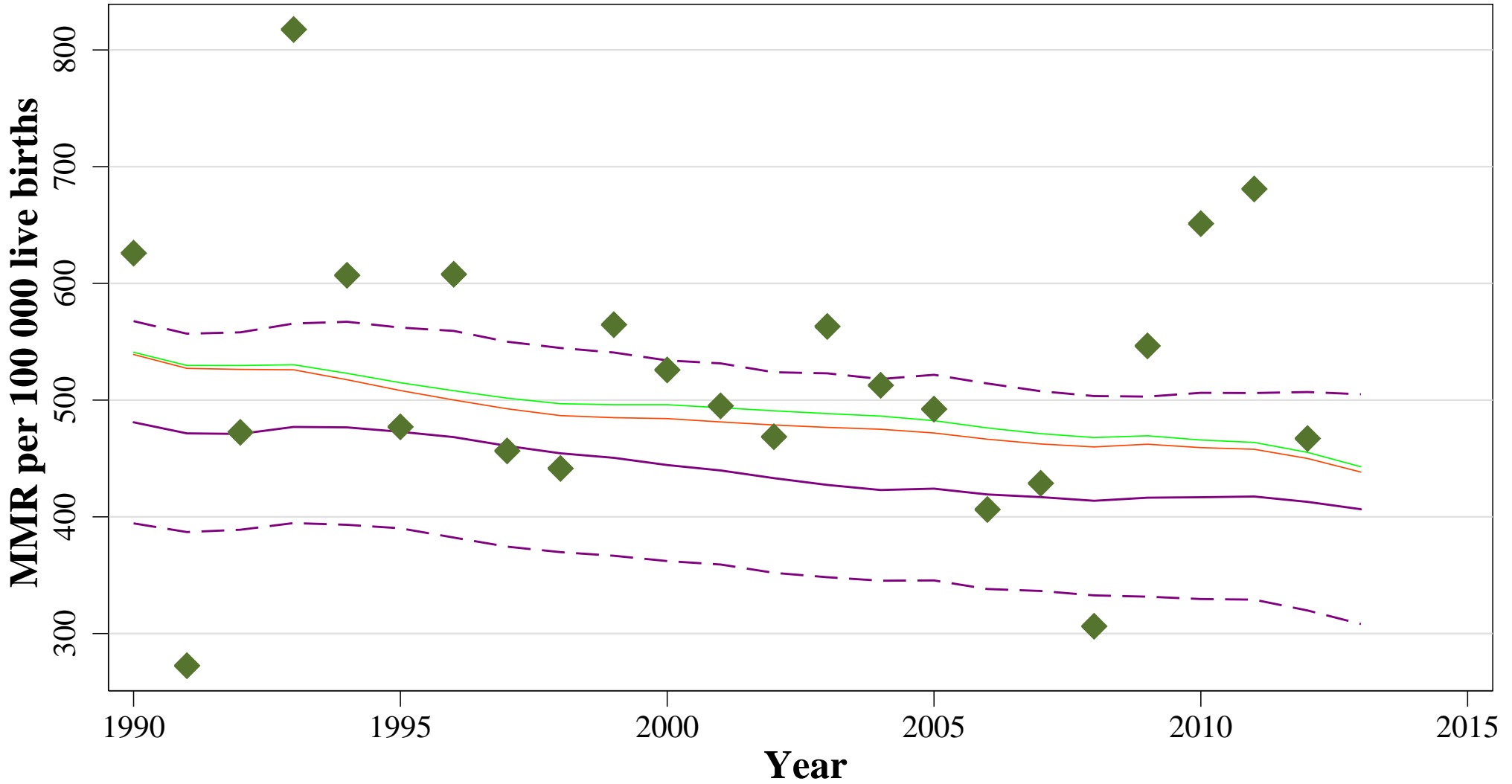
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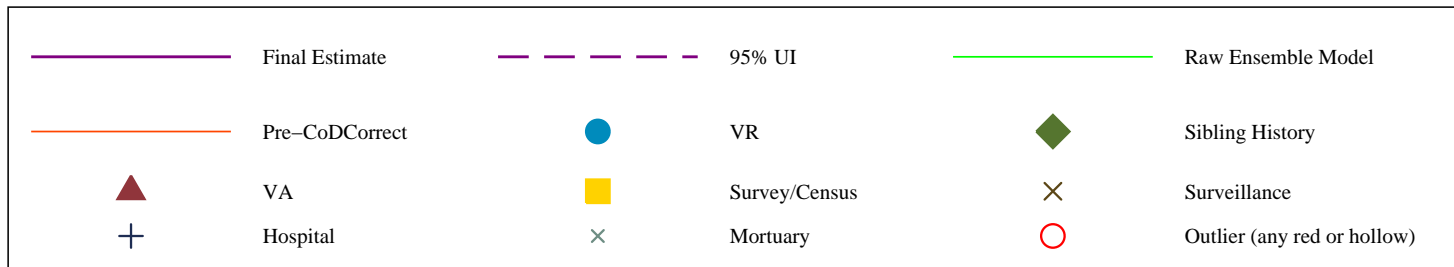
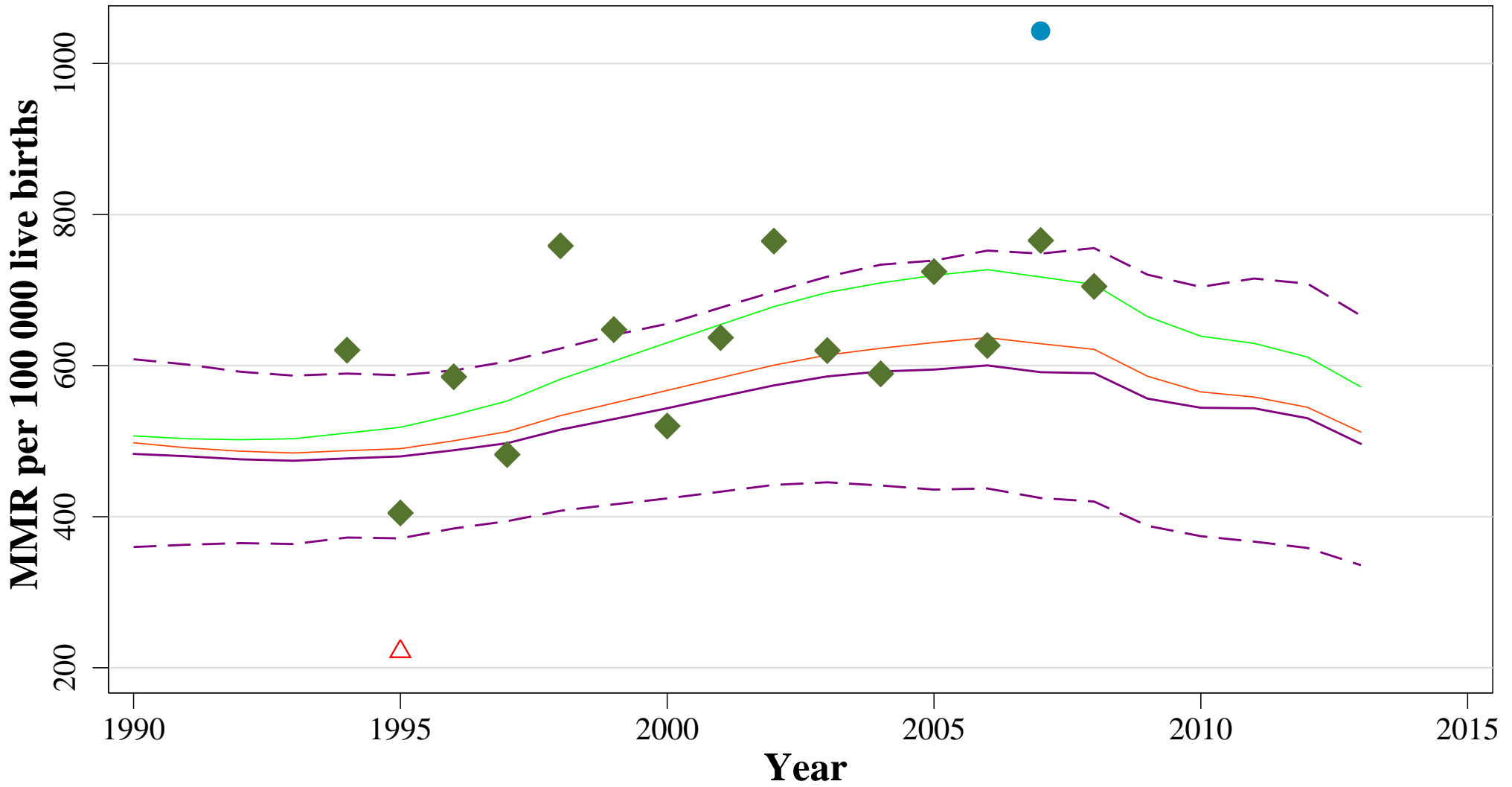
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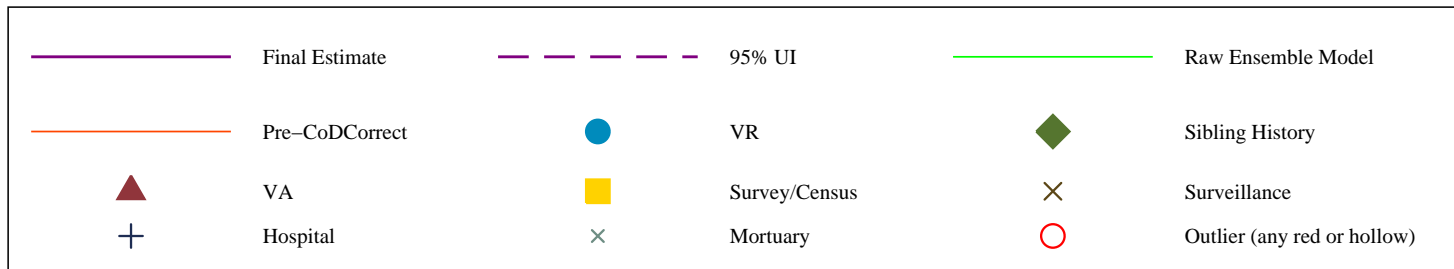
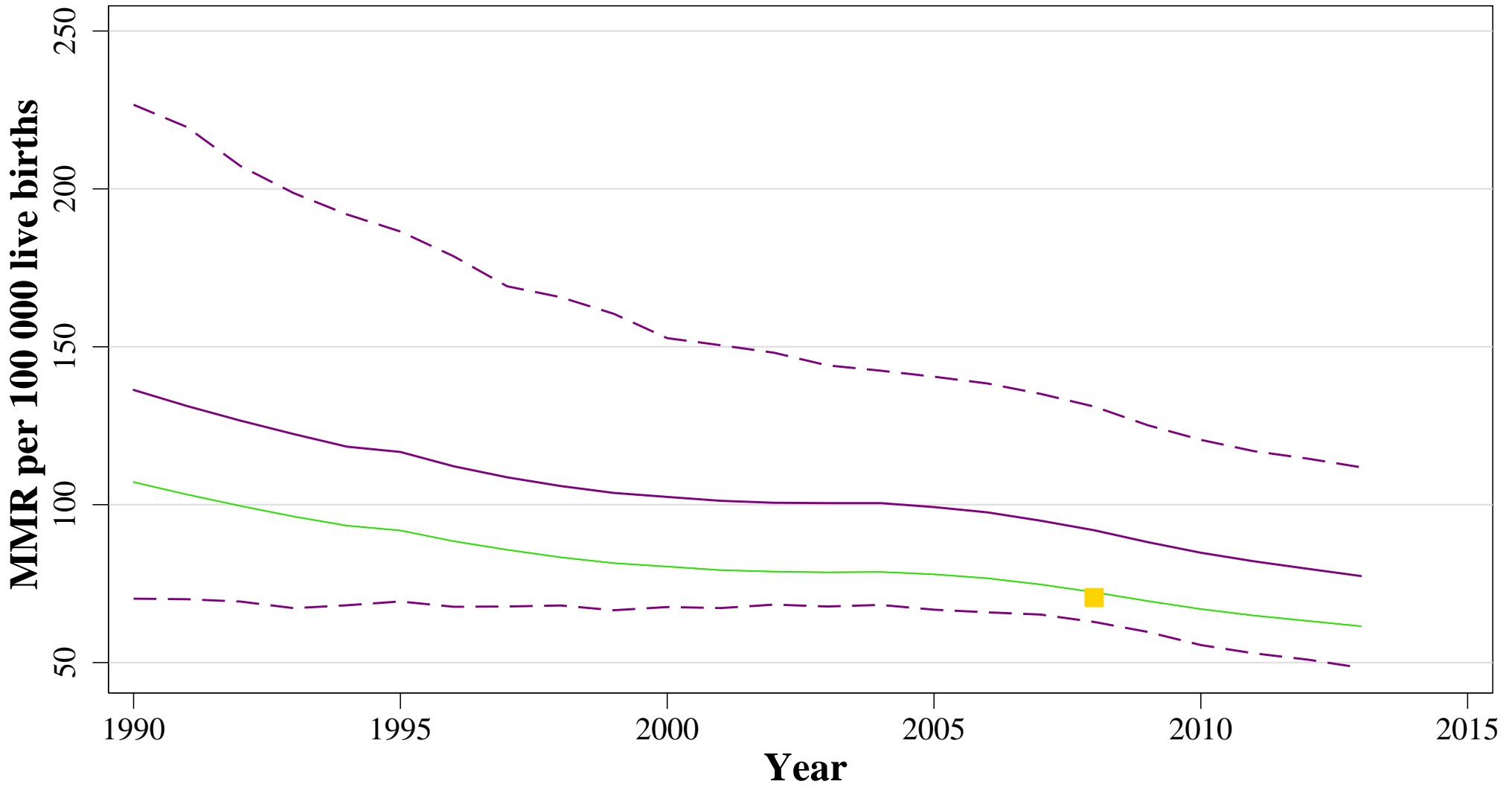
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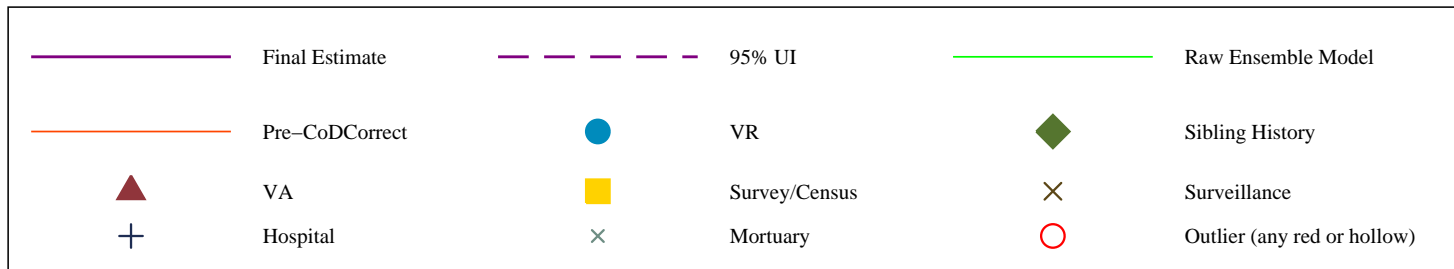
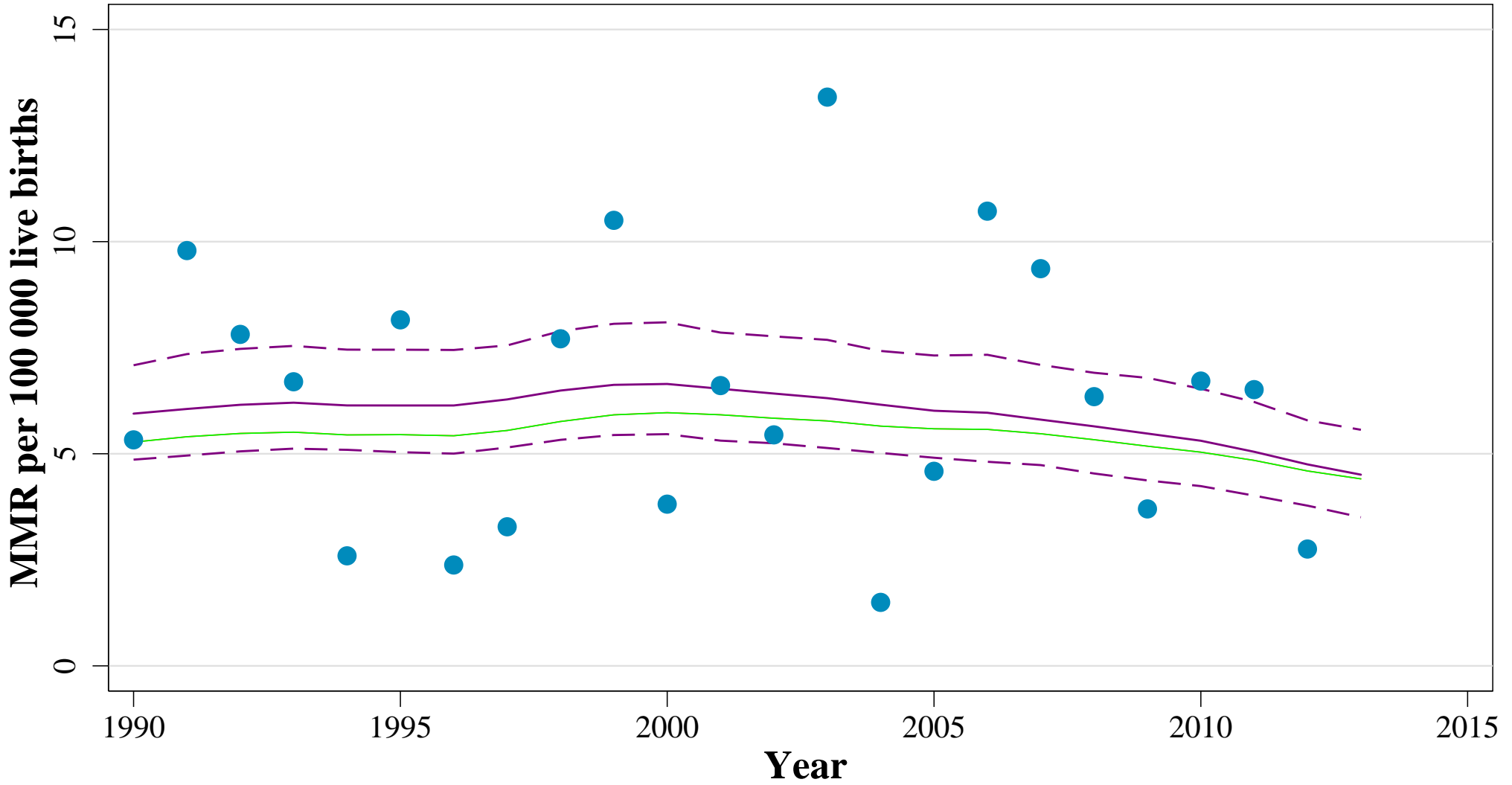
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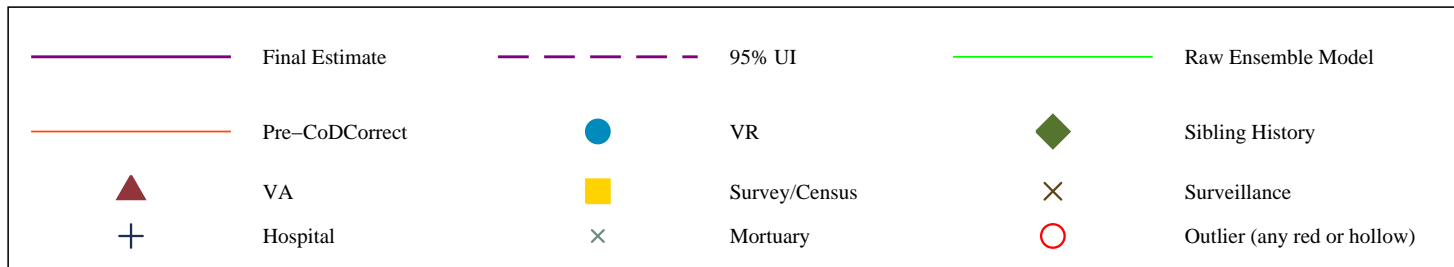
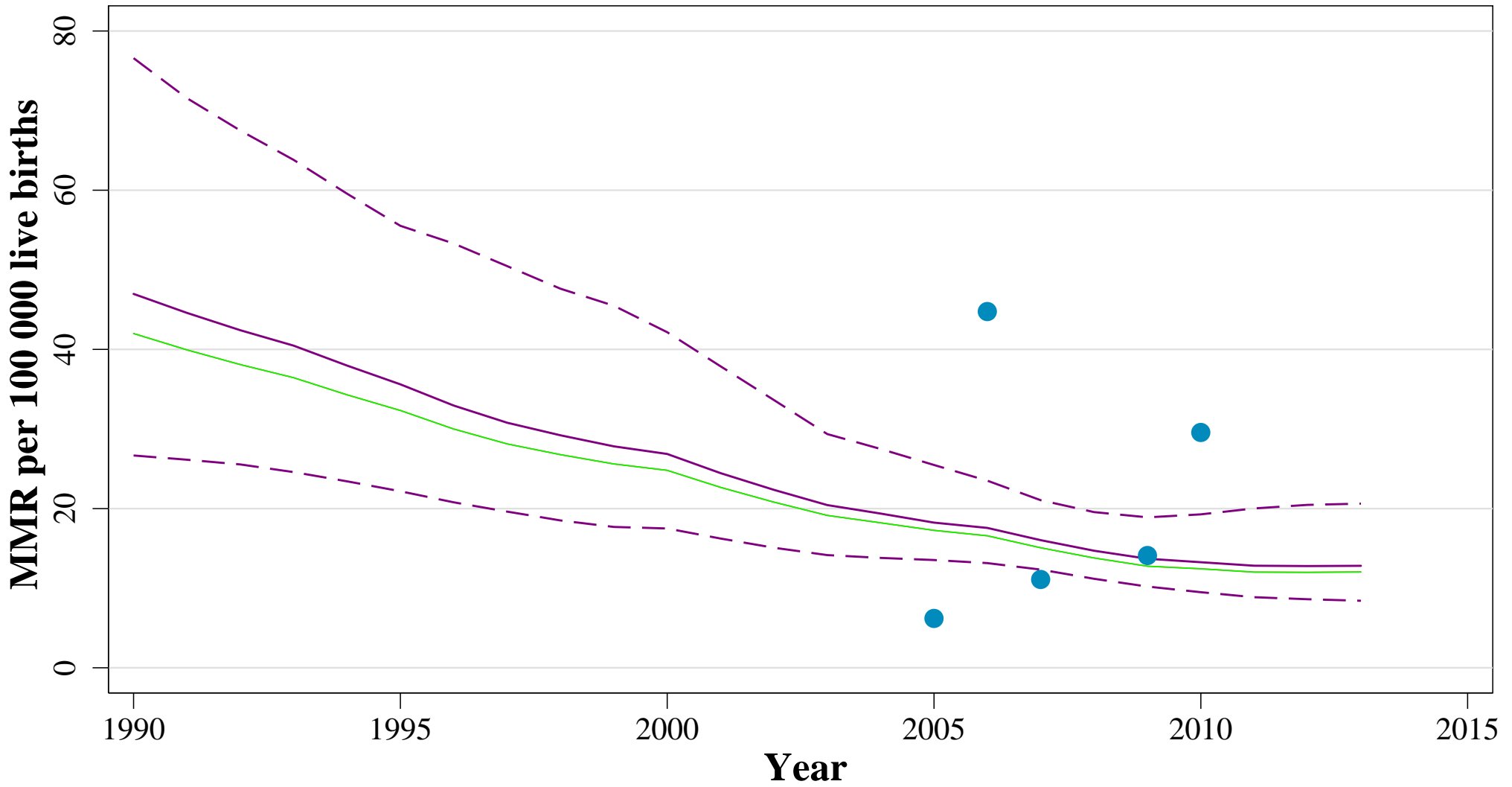
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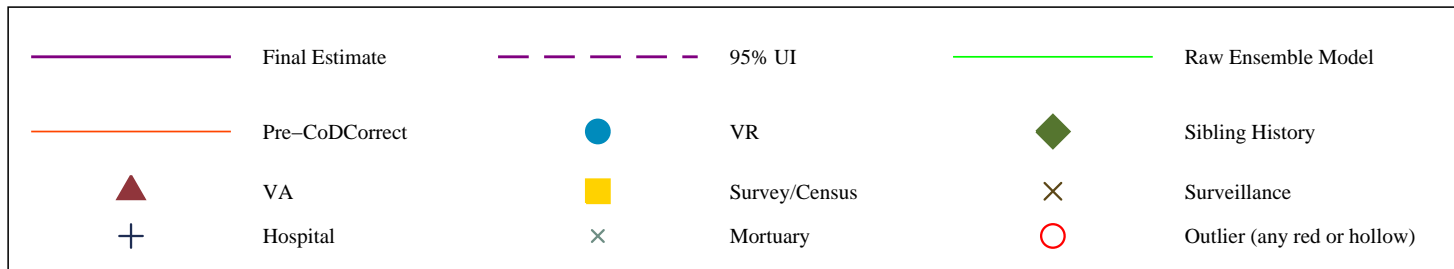
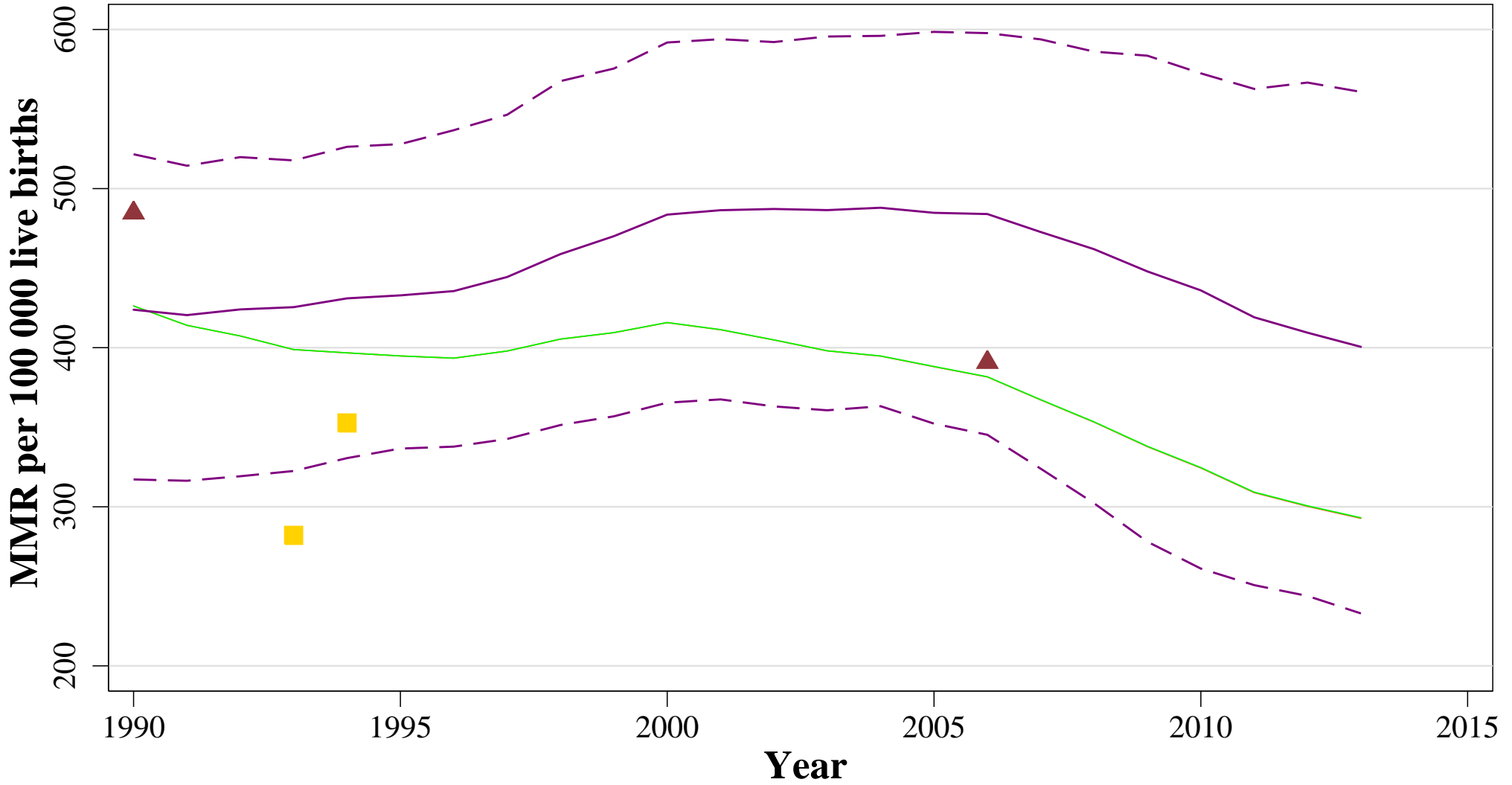
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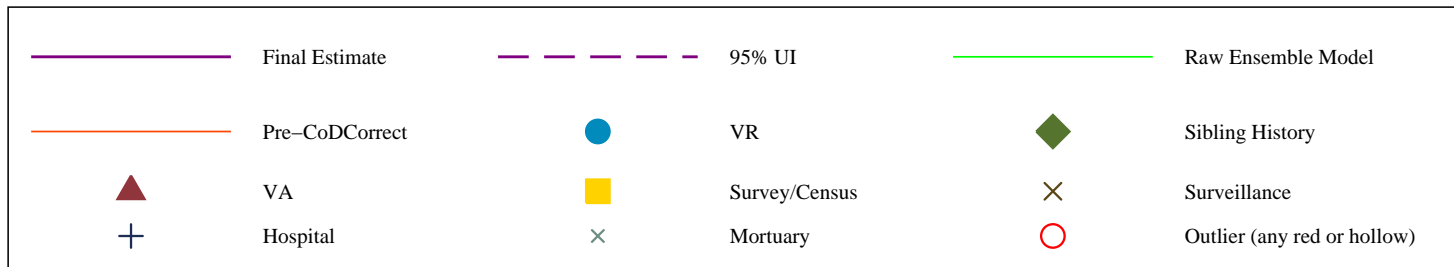
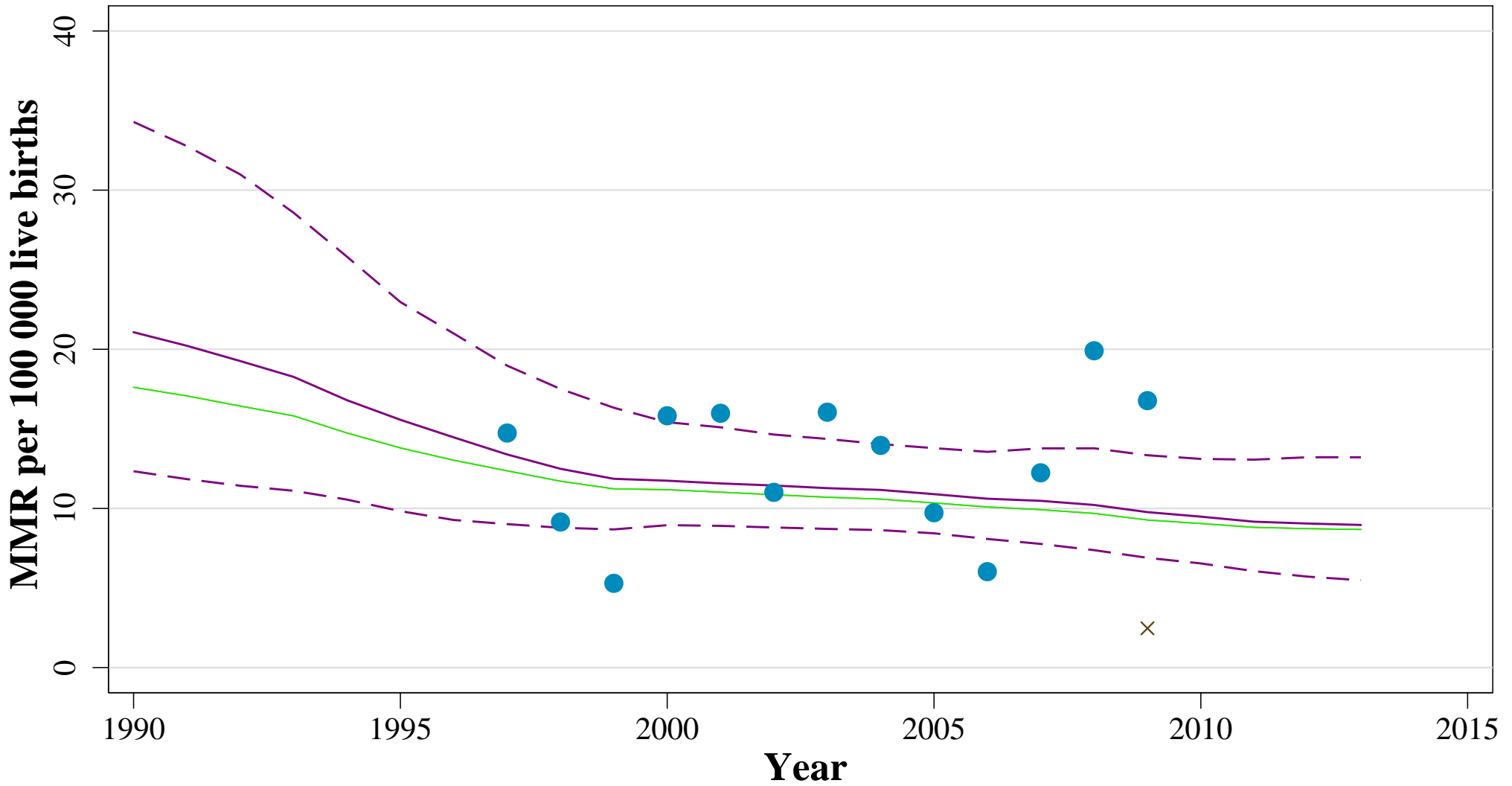
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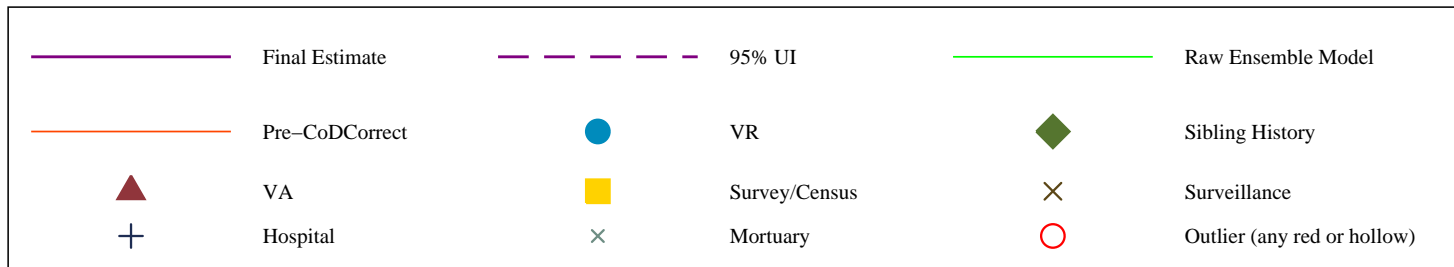
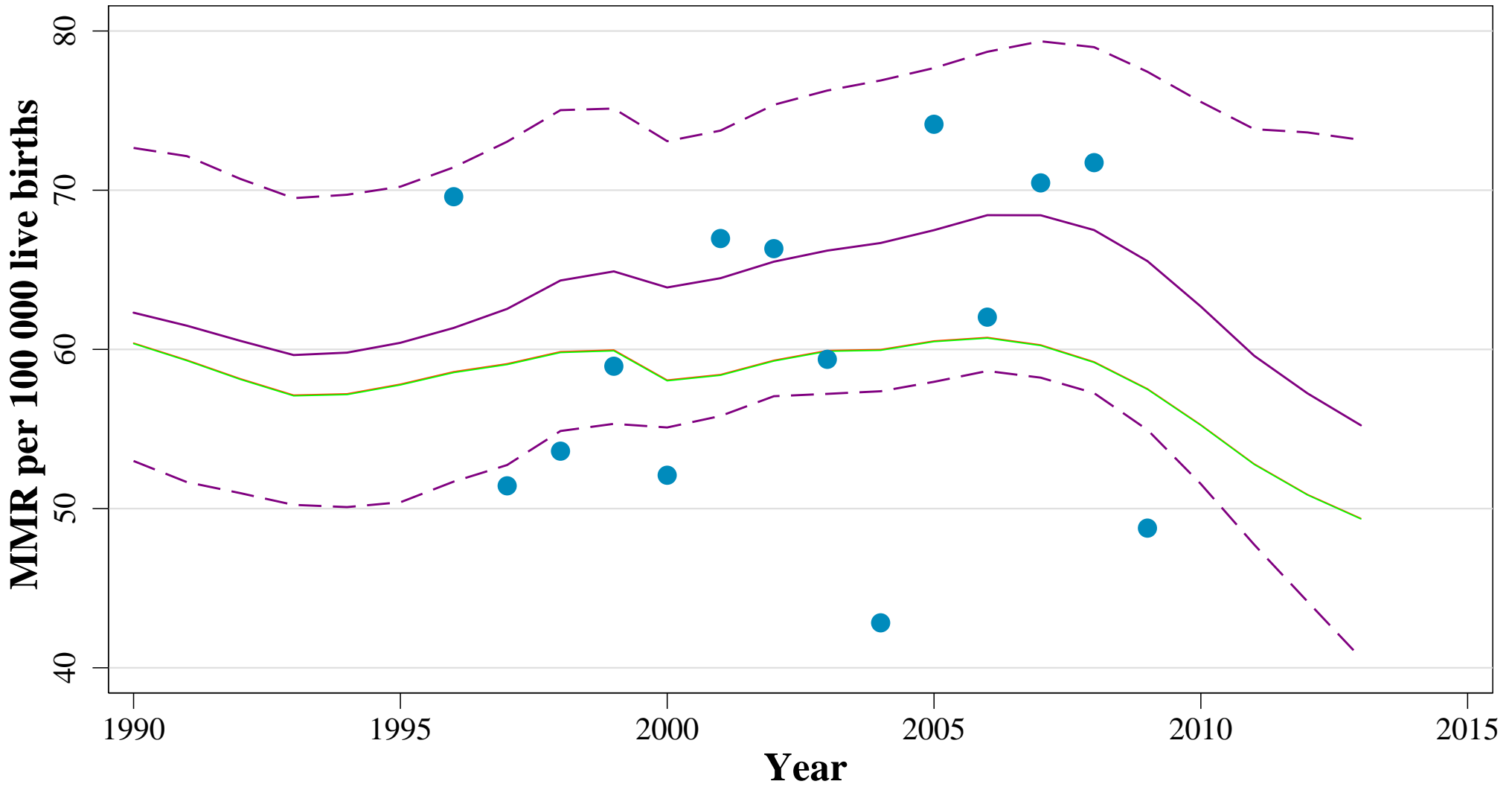
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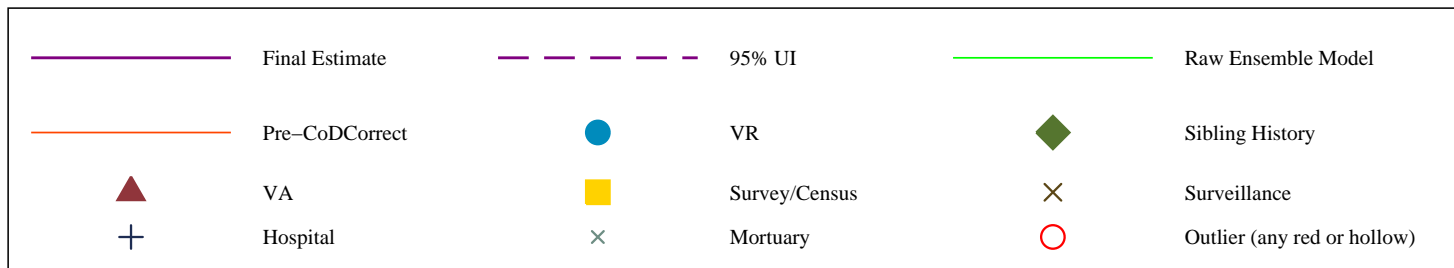
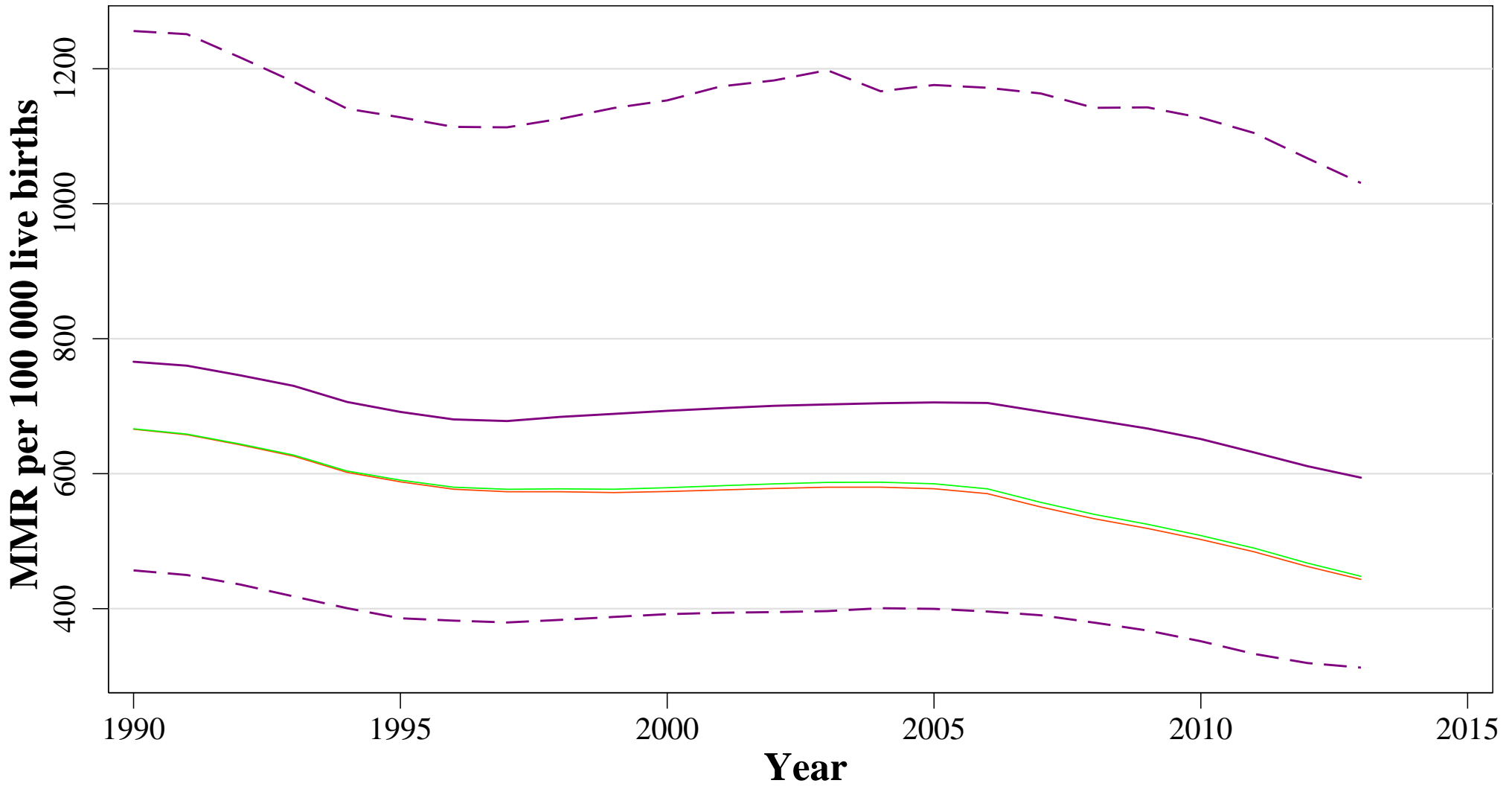
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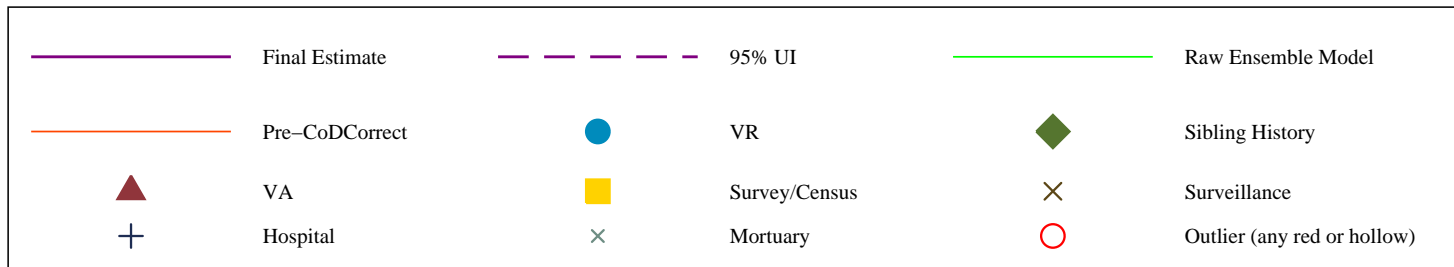
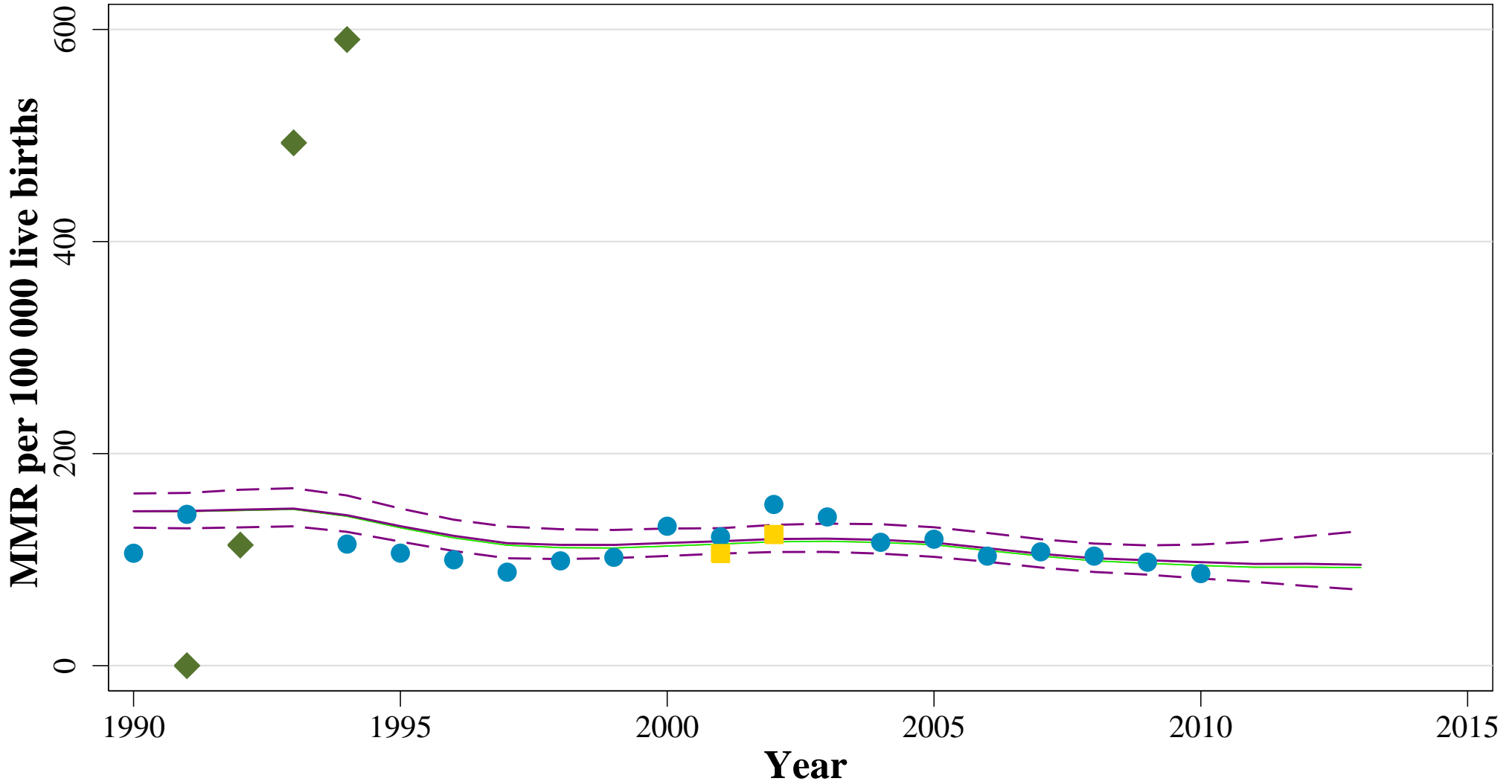
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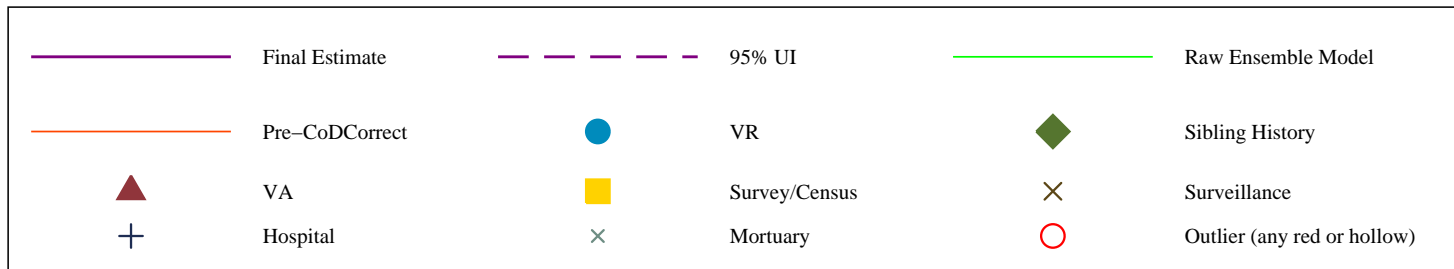
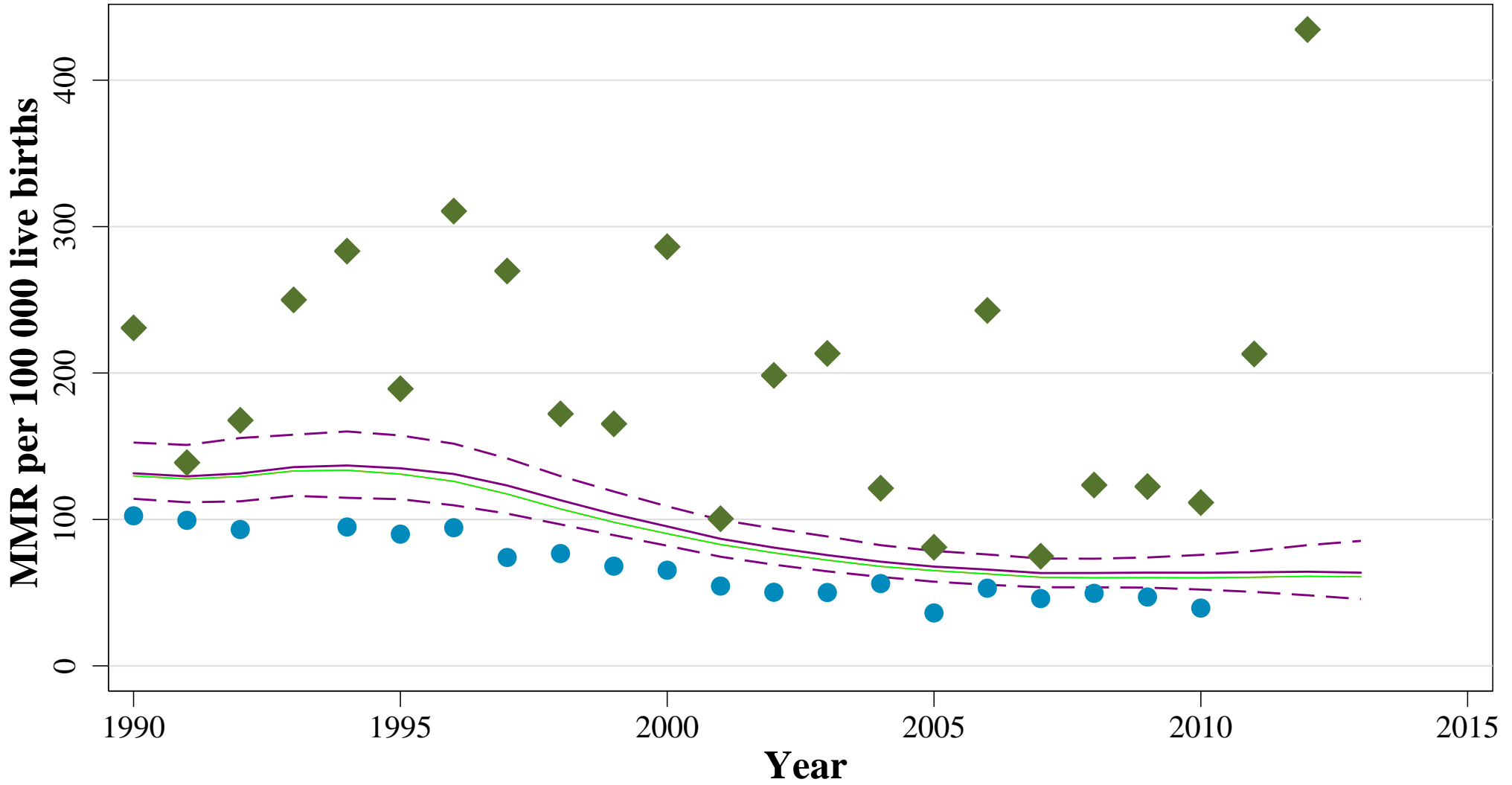
Papua New Guinea



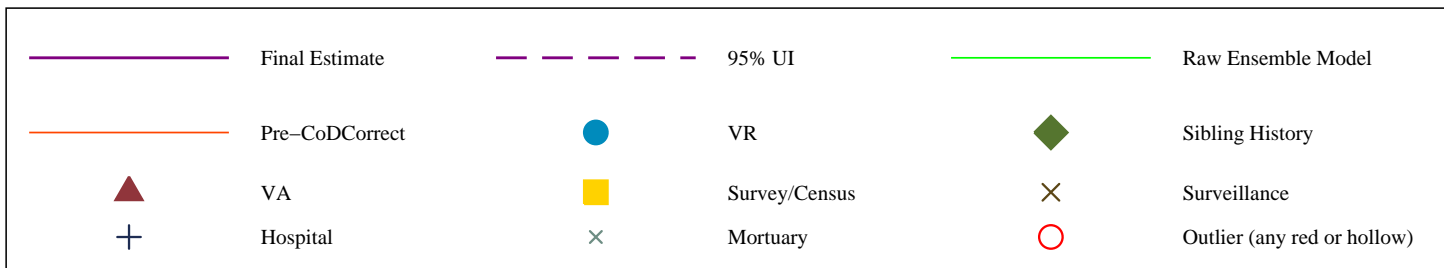
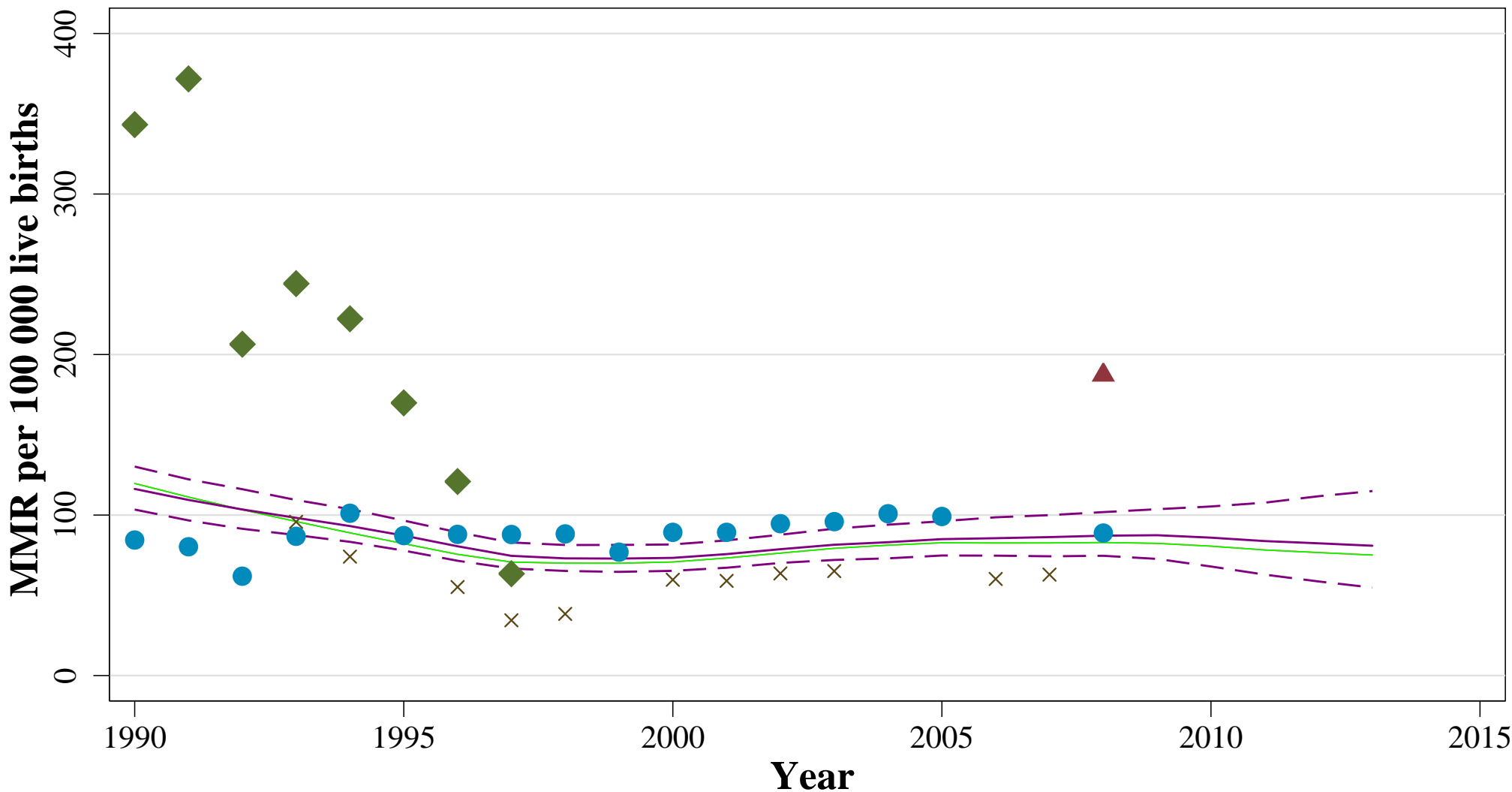
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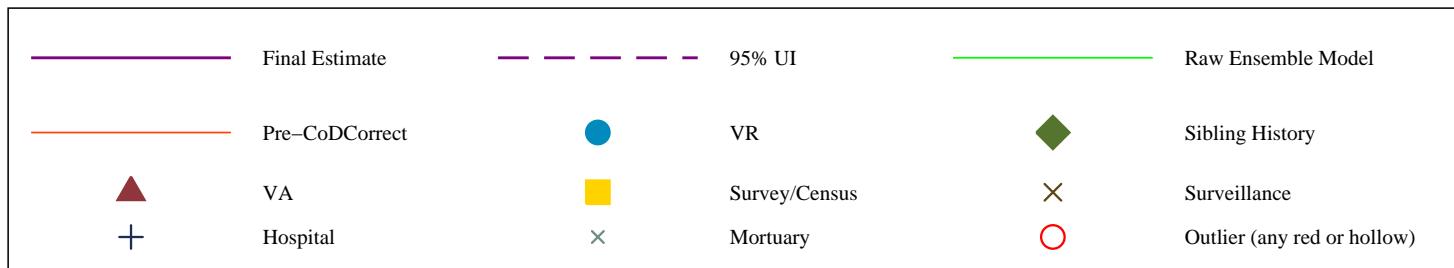
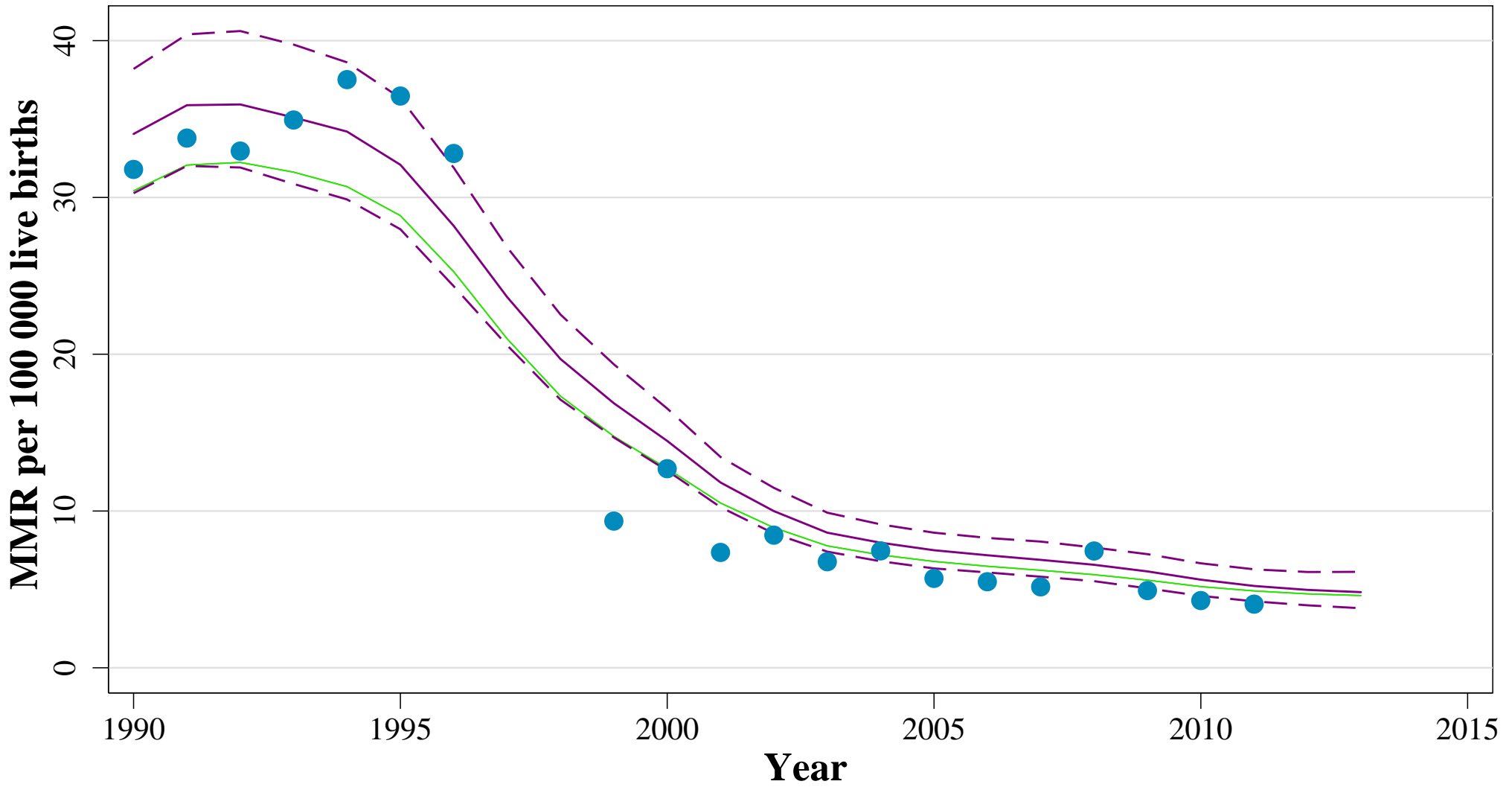
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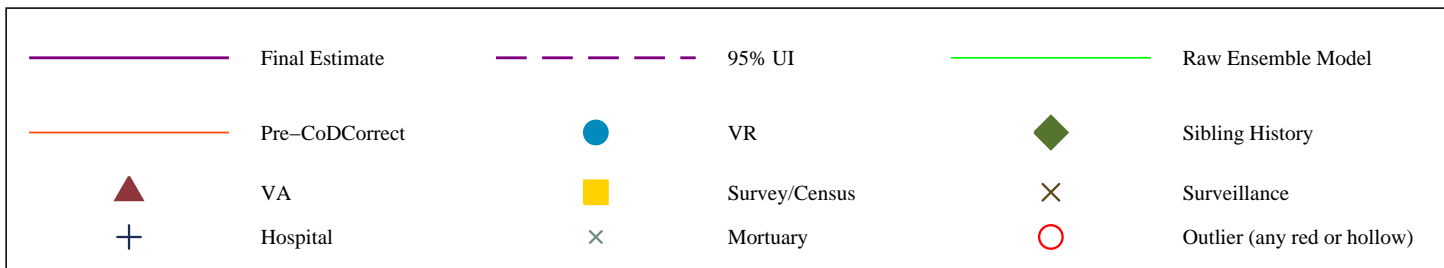
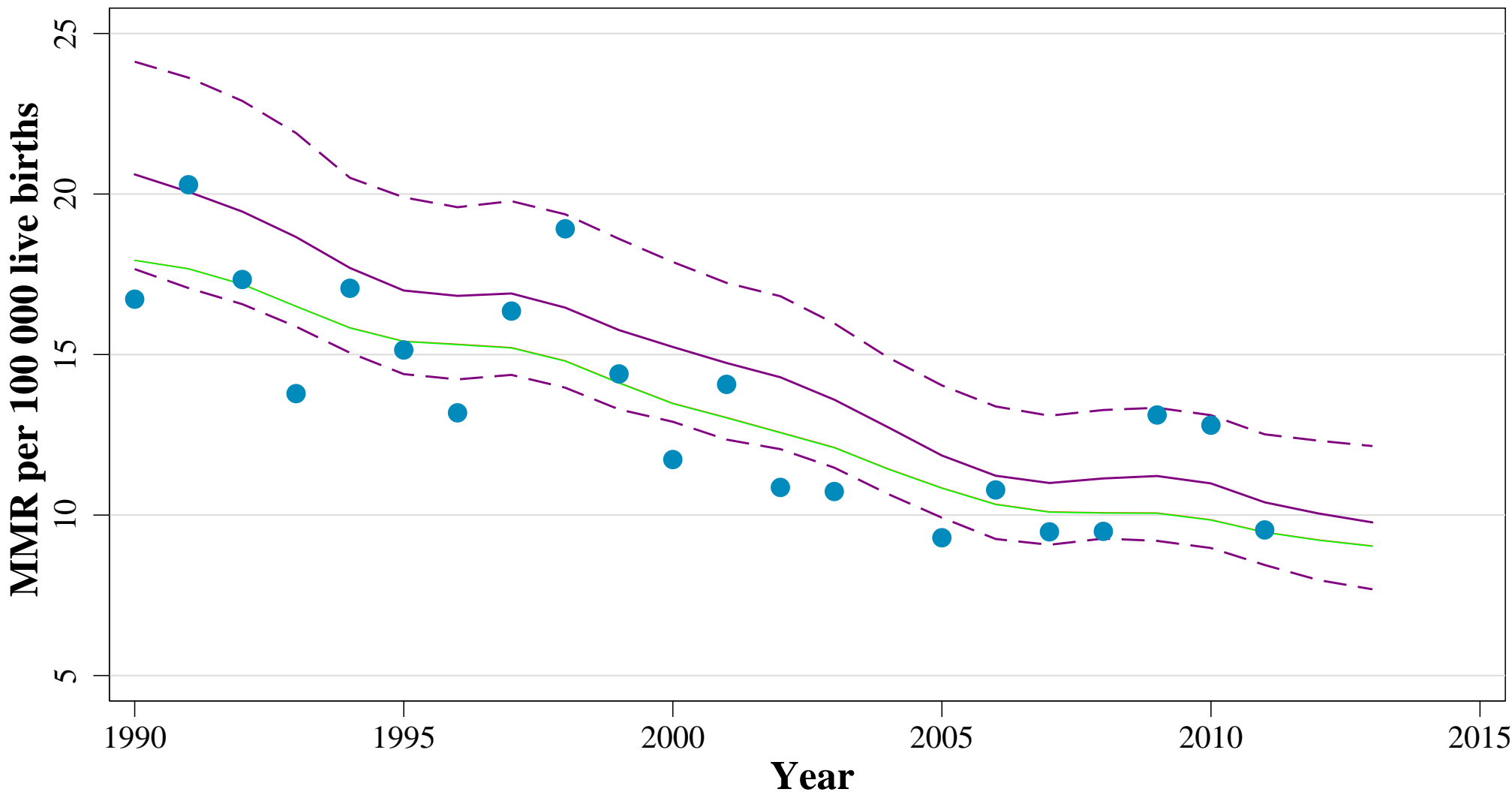
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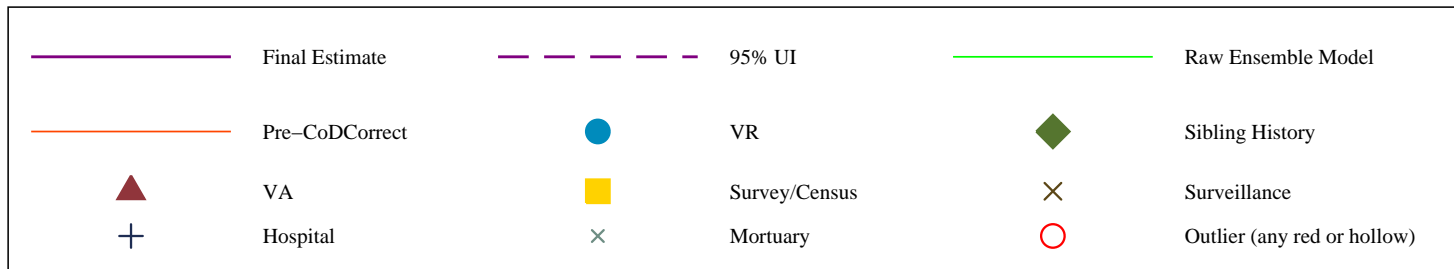
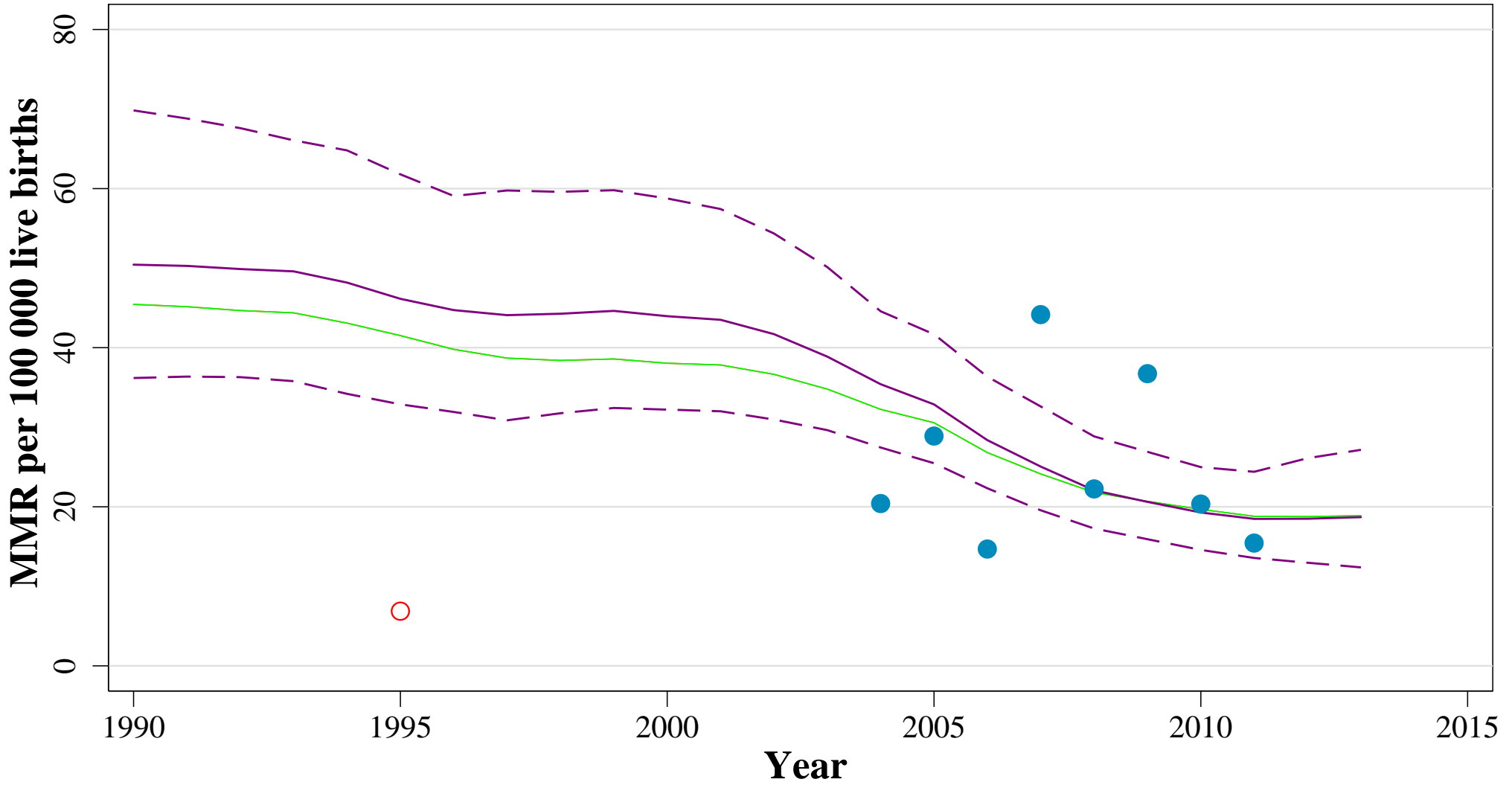
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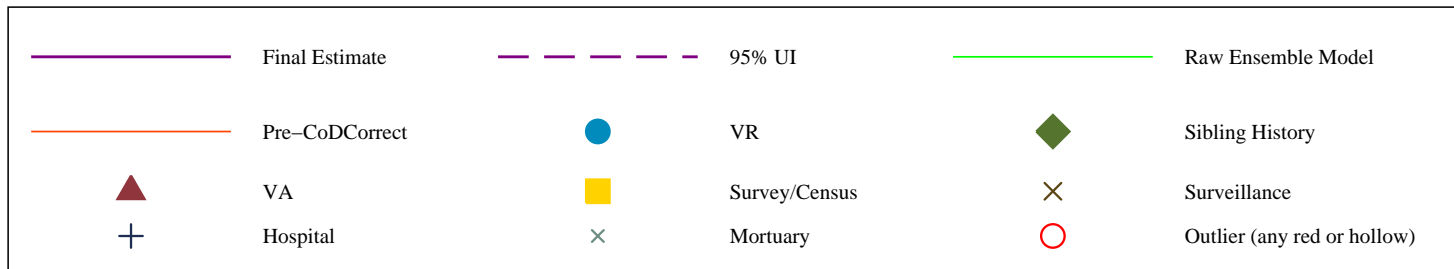
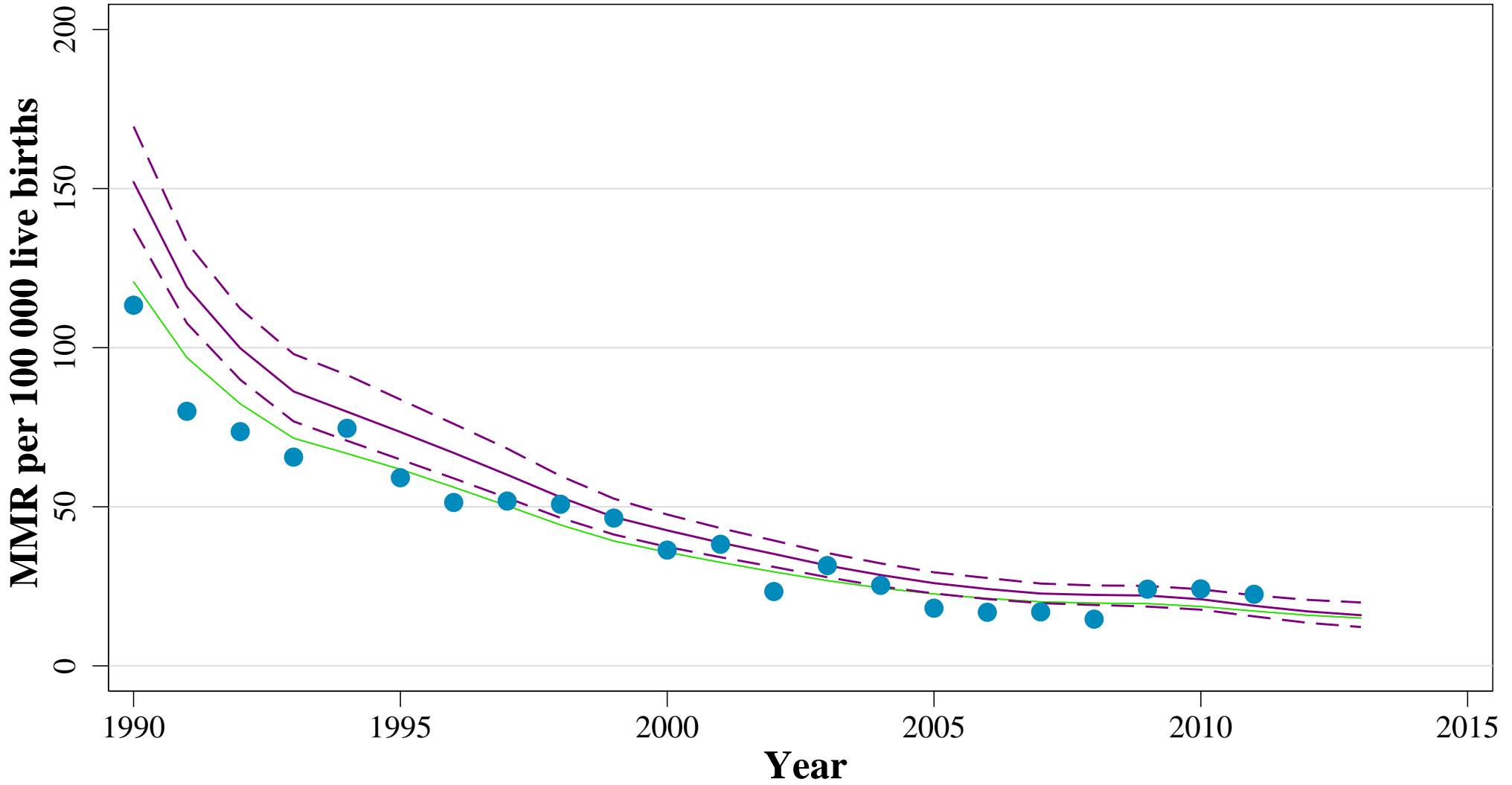
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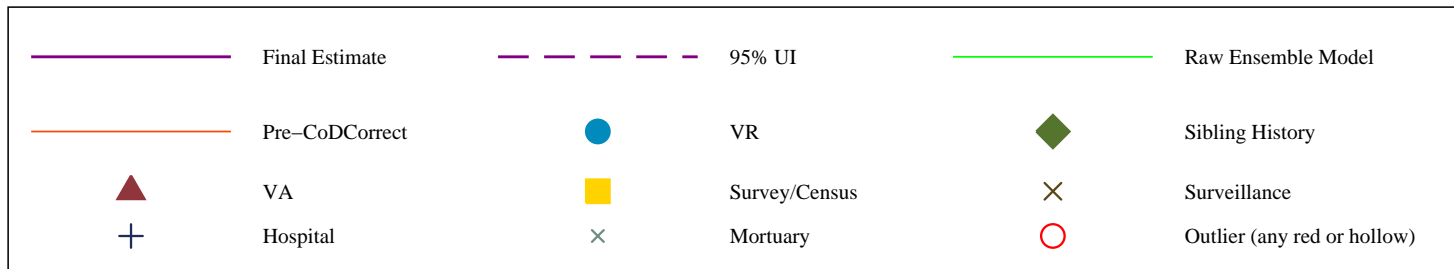
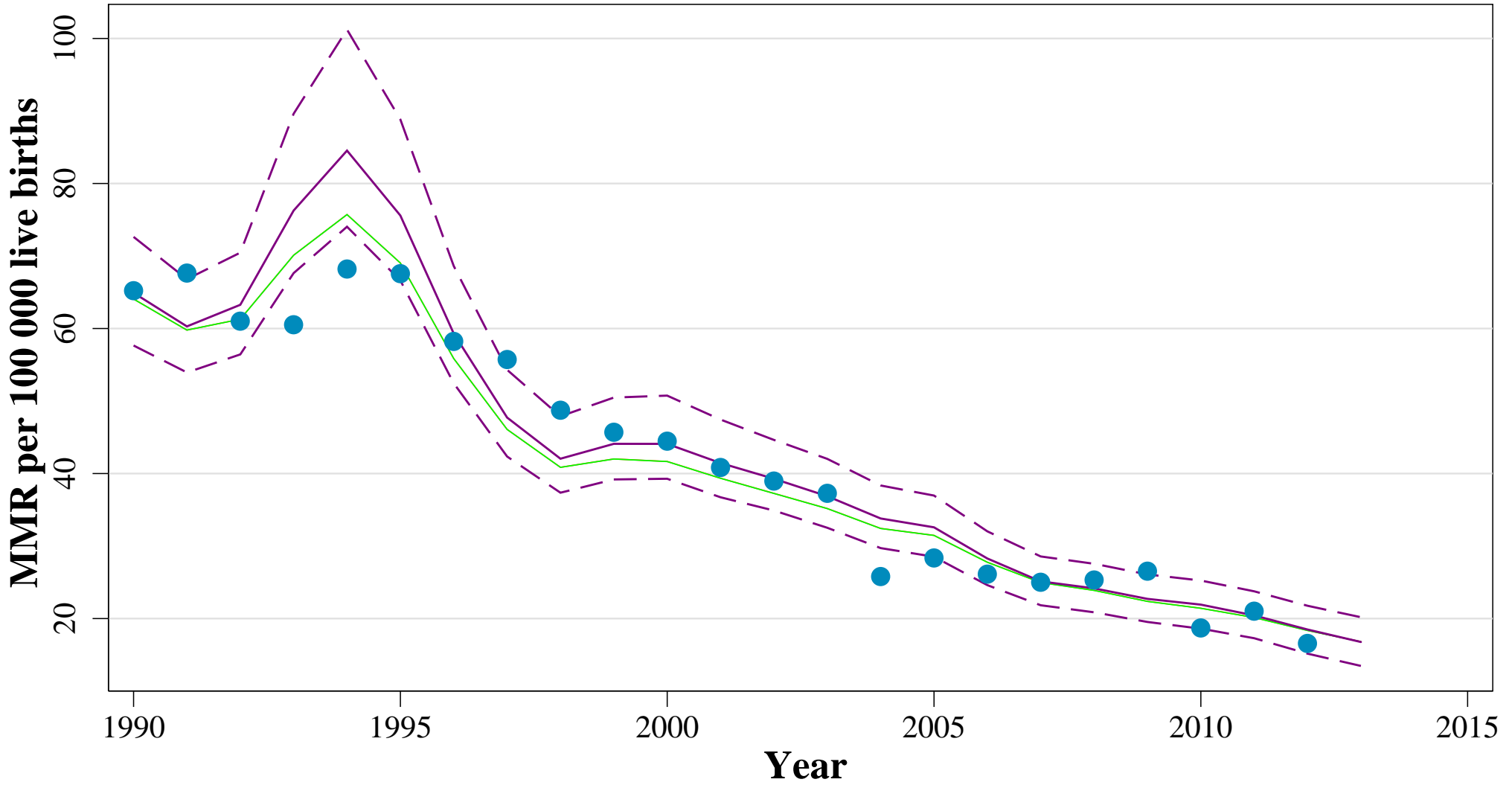
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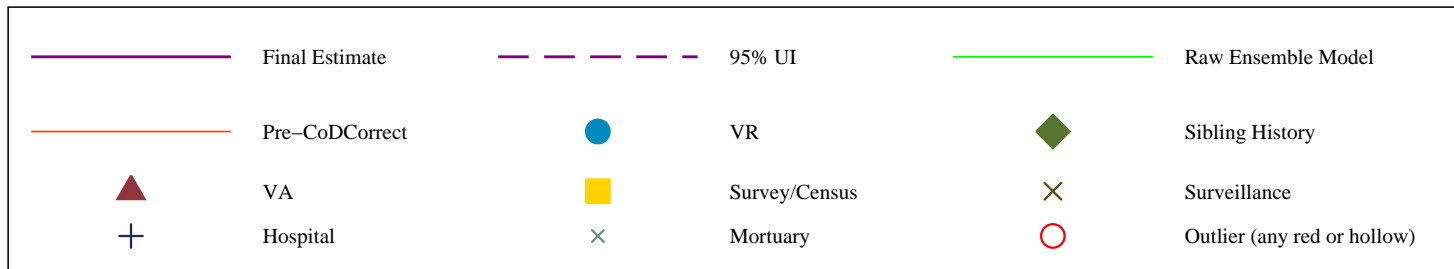
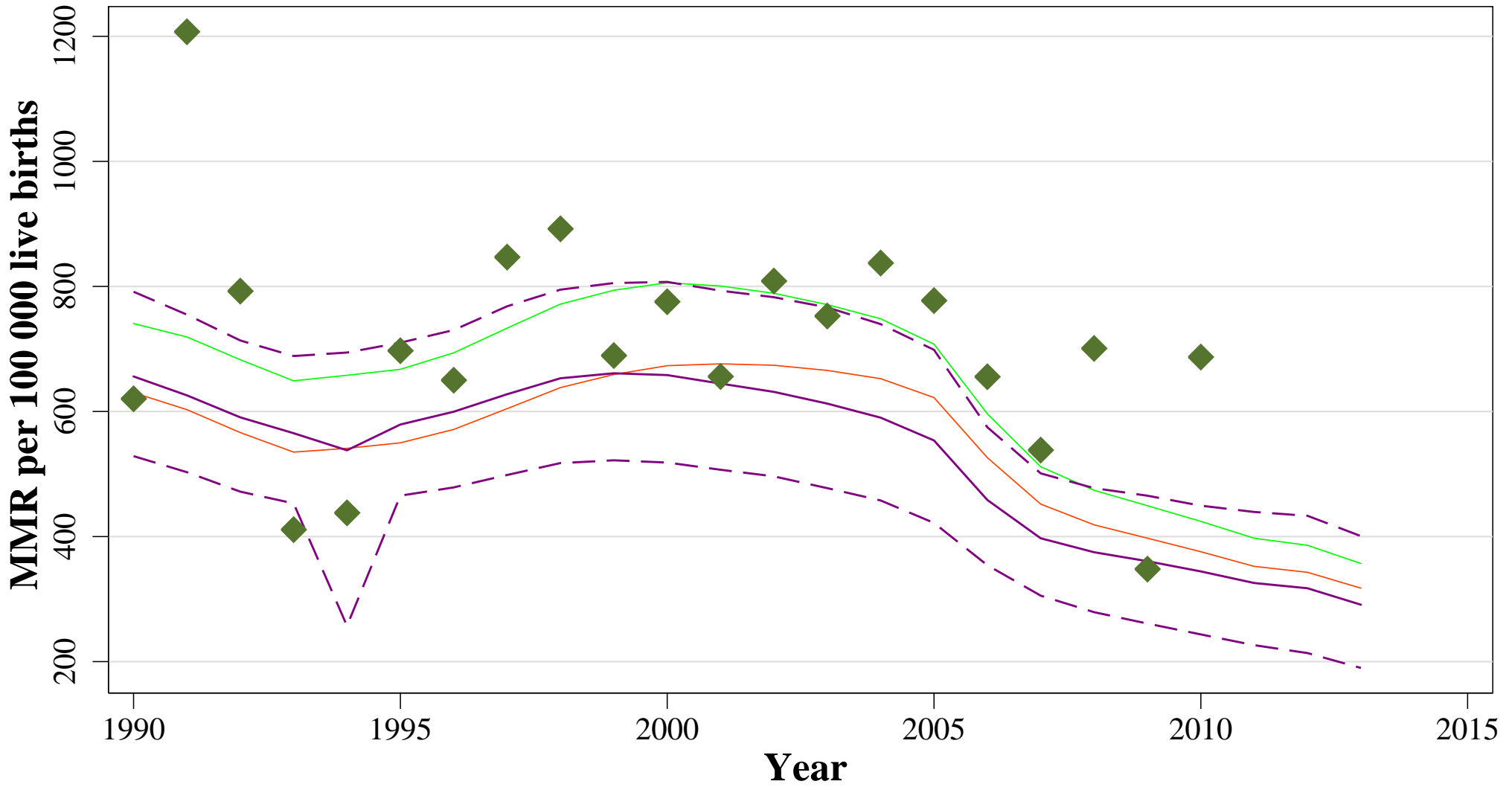
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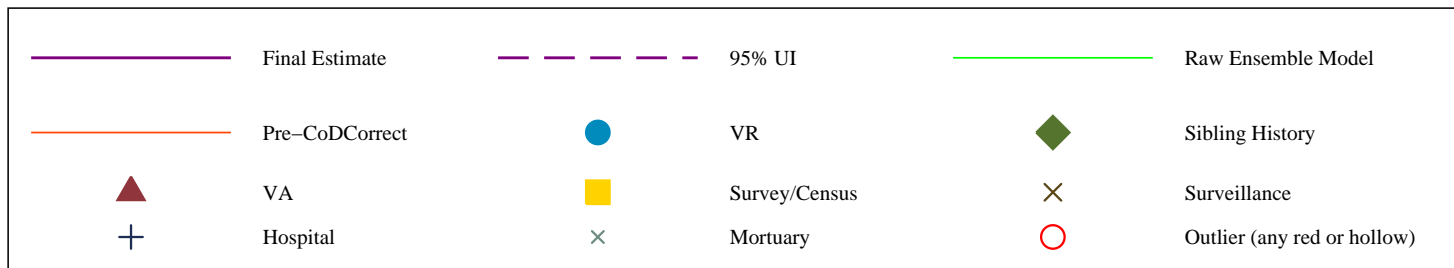
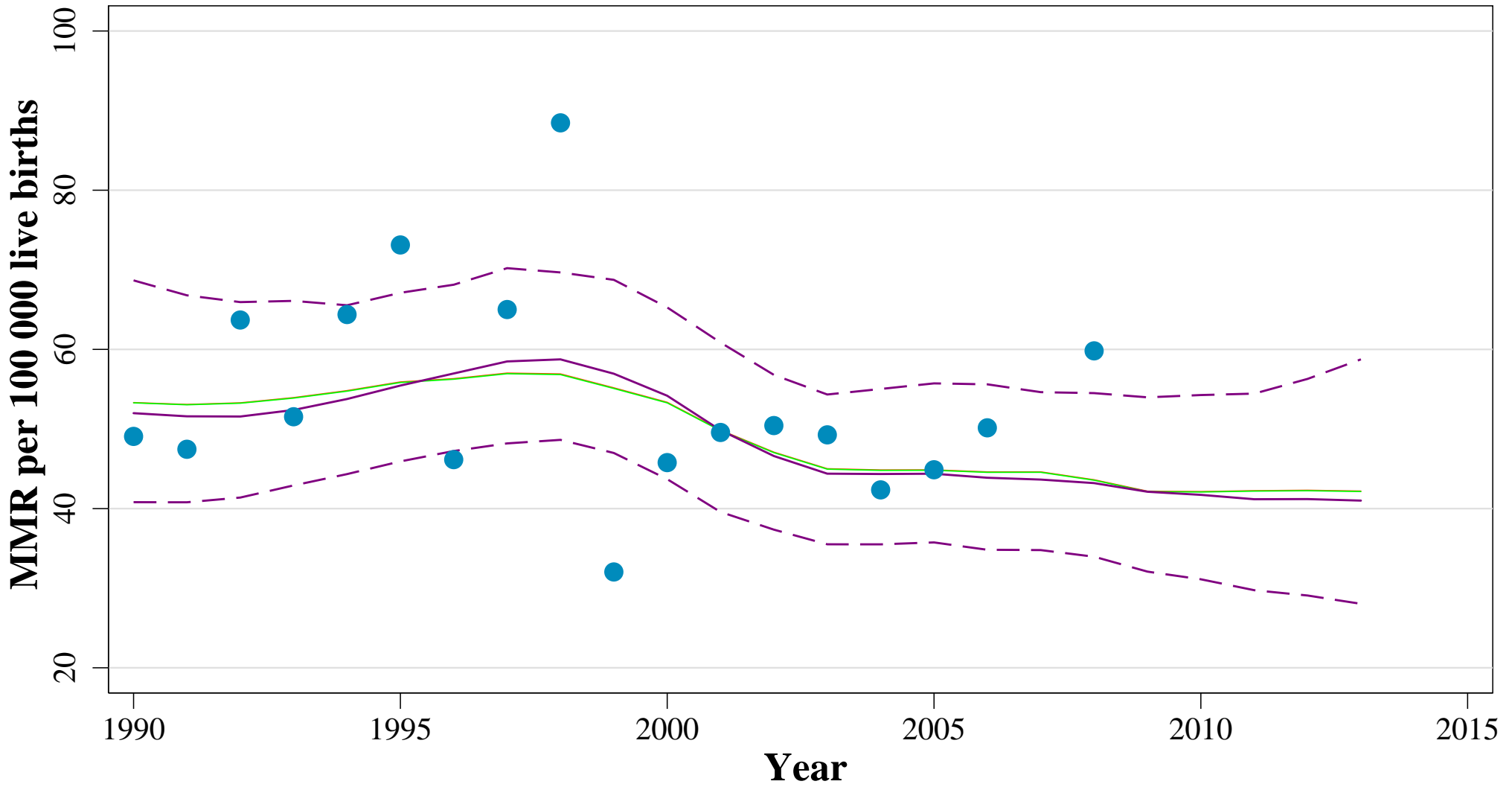
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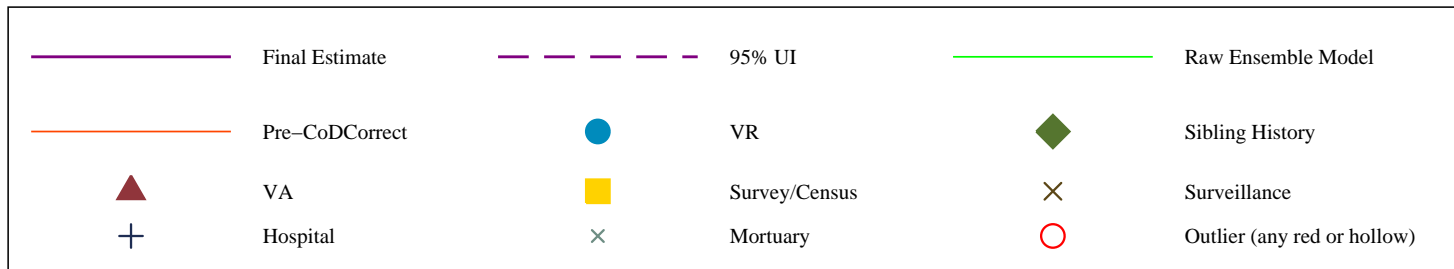
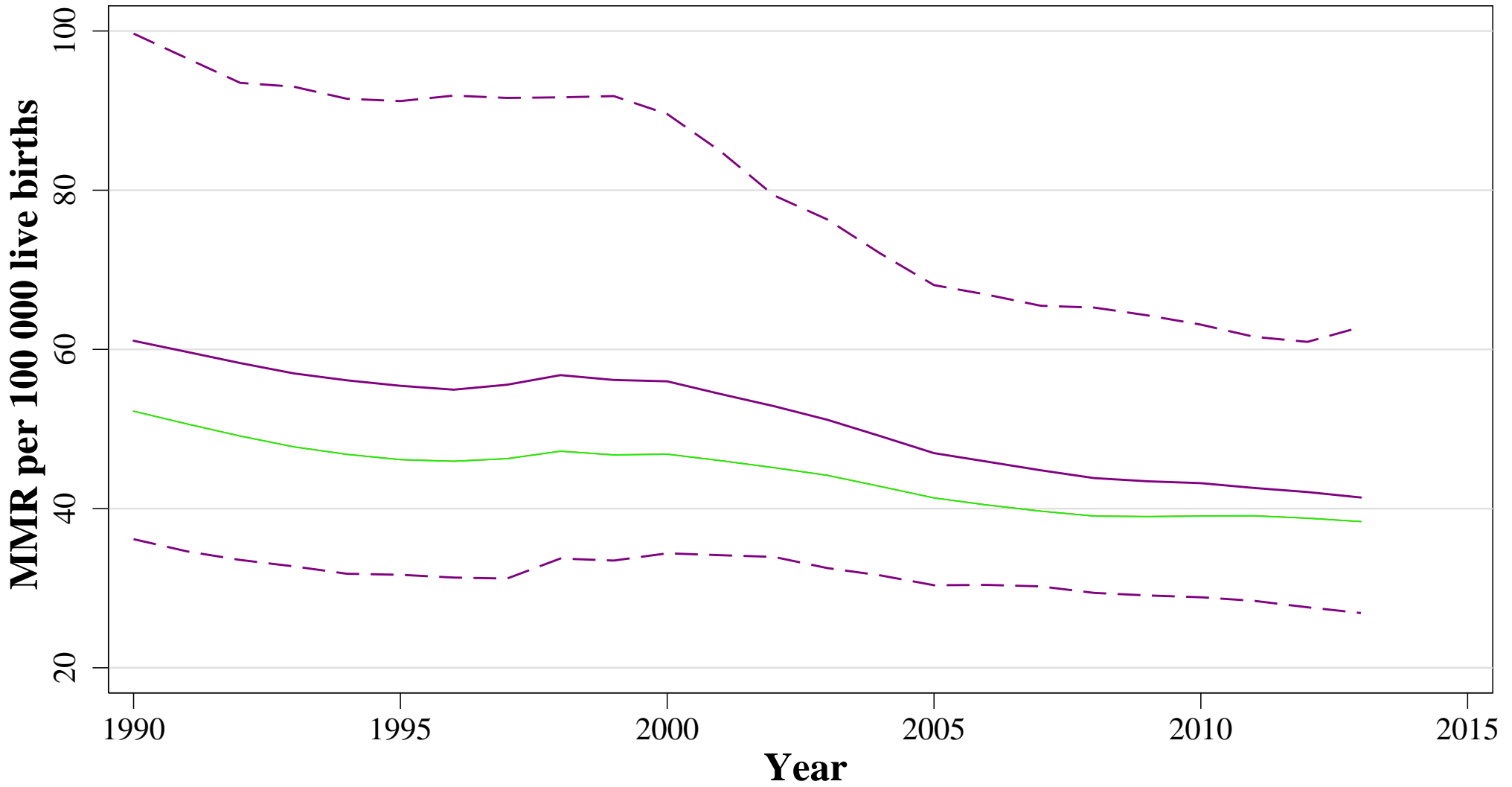
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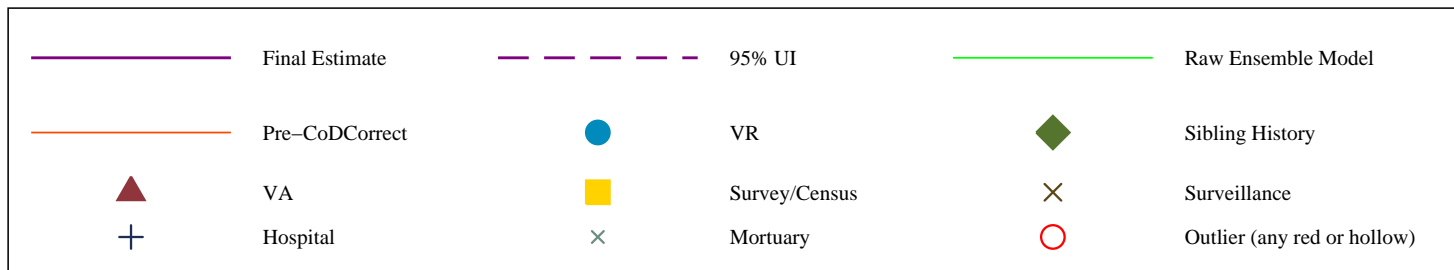
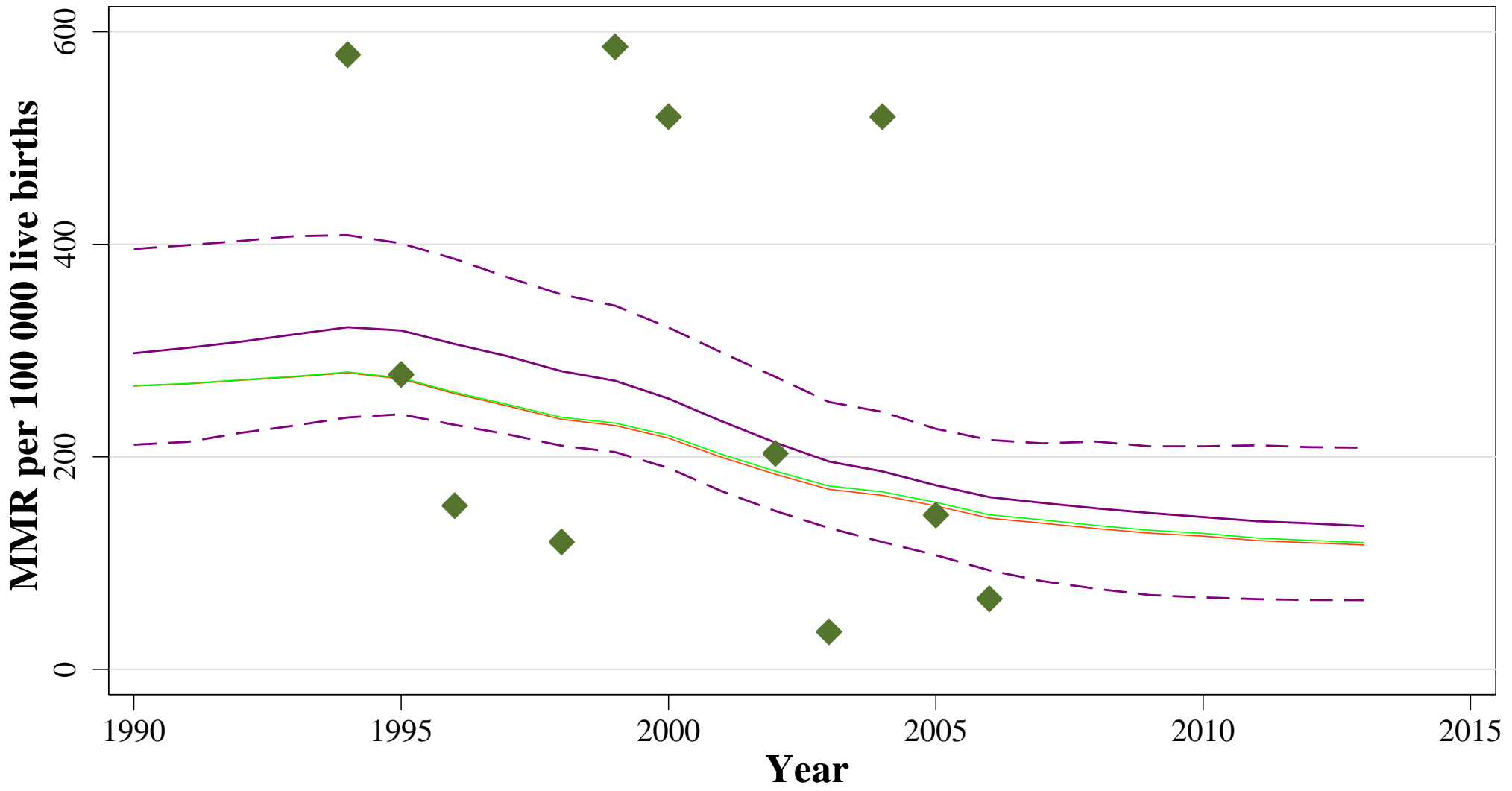
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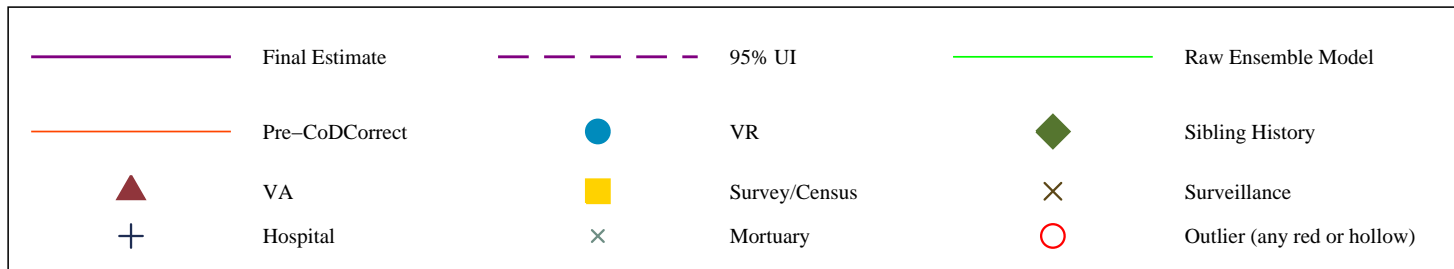
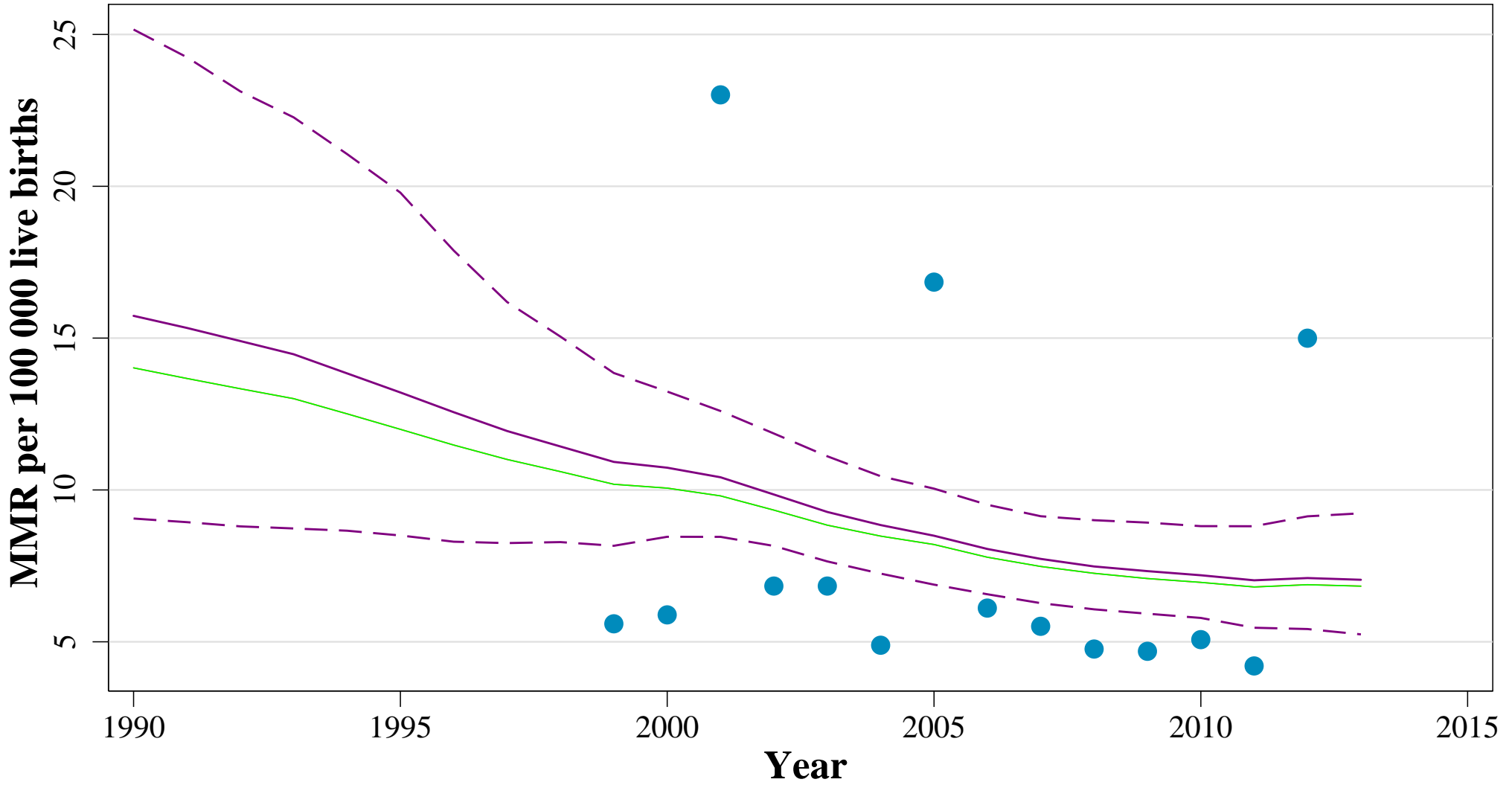
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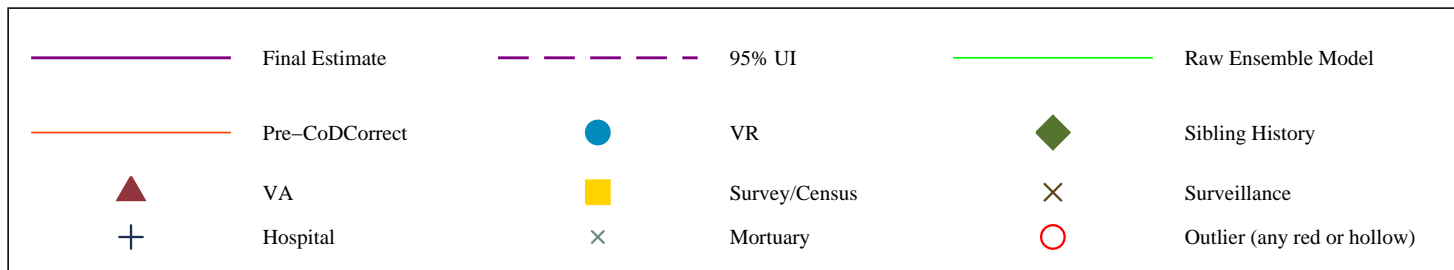
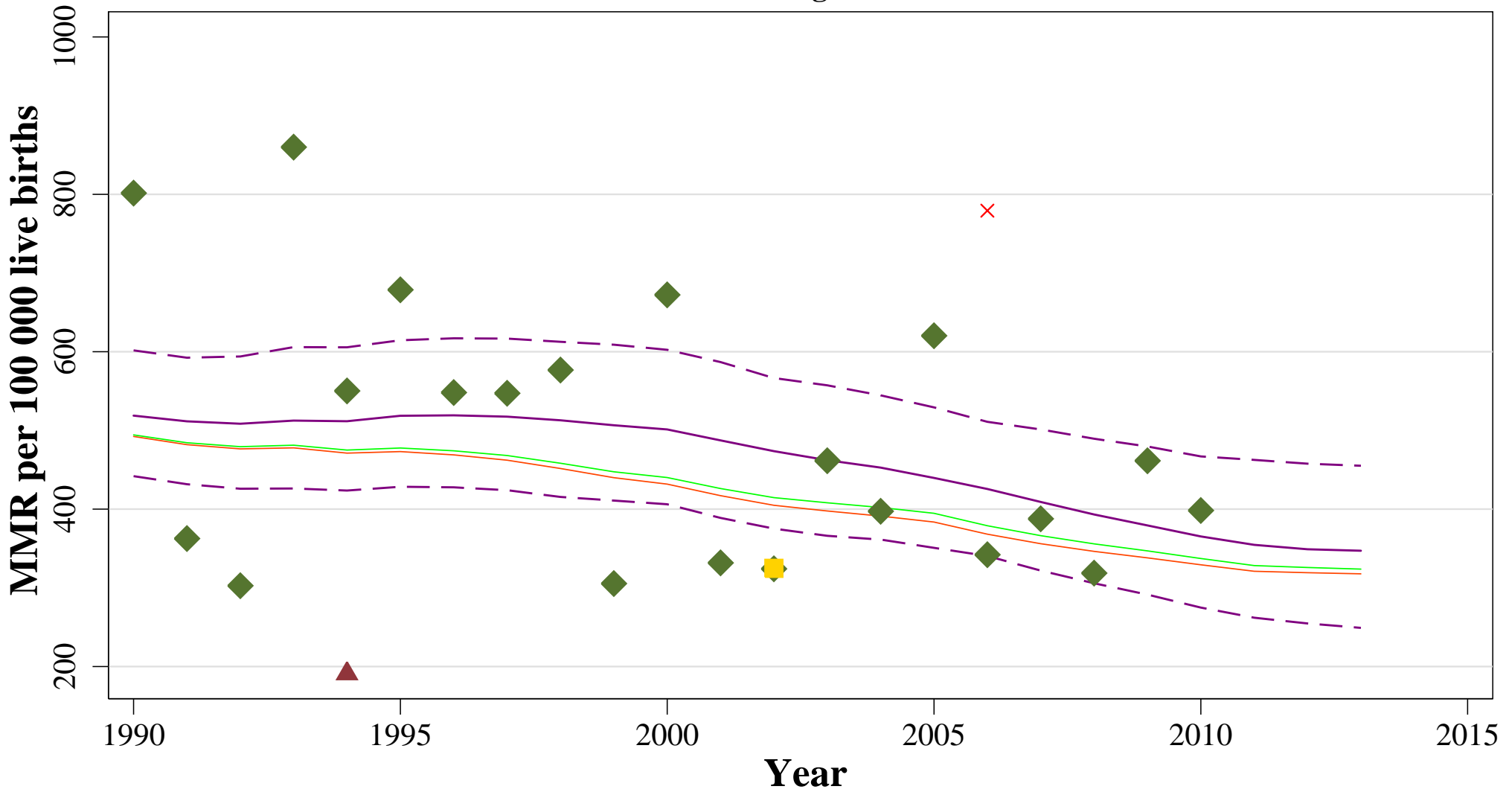
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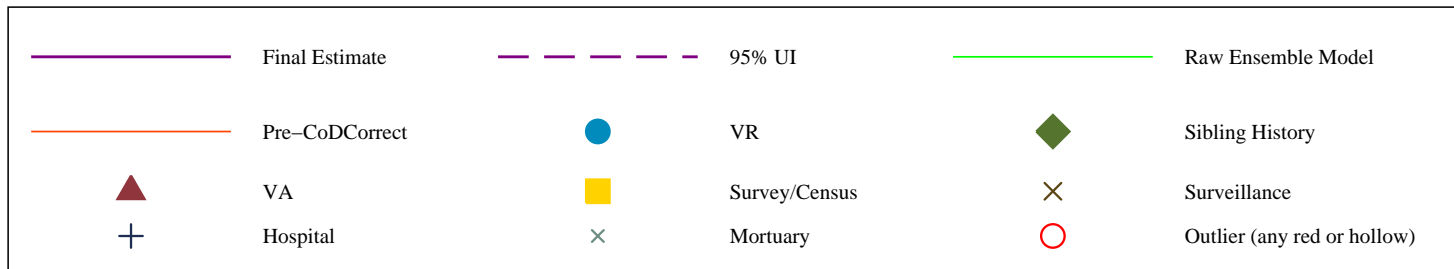
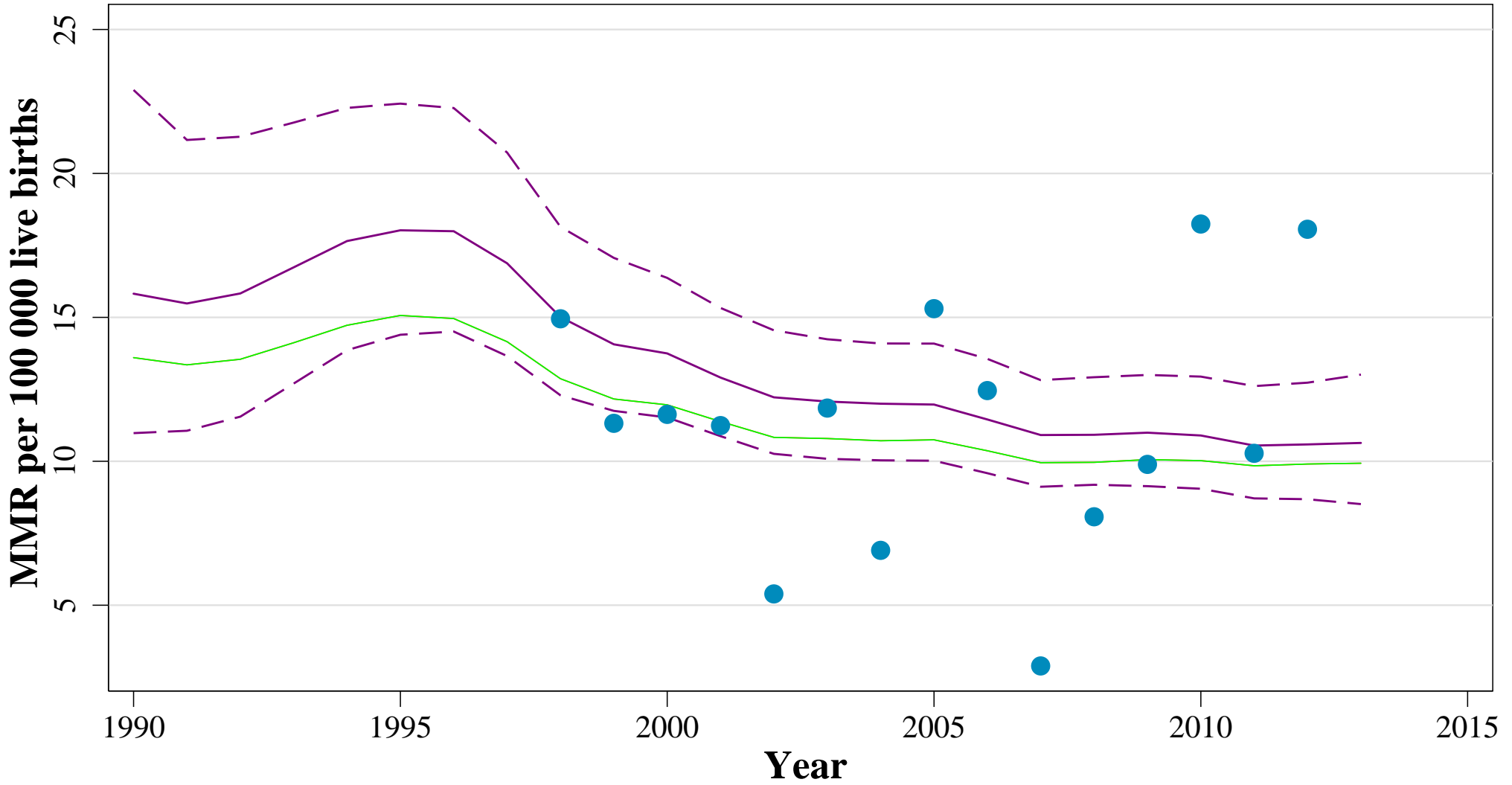
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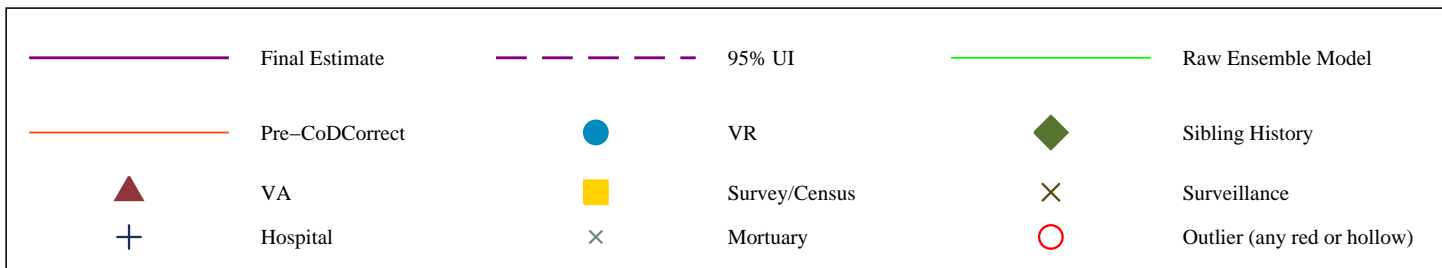
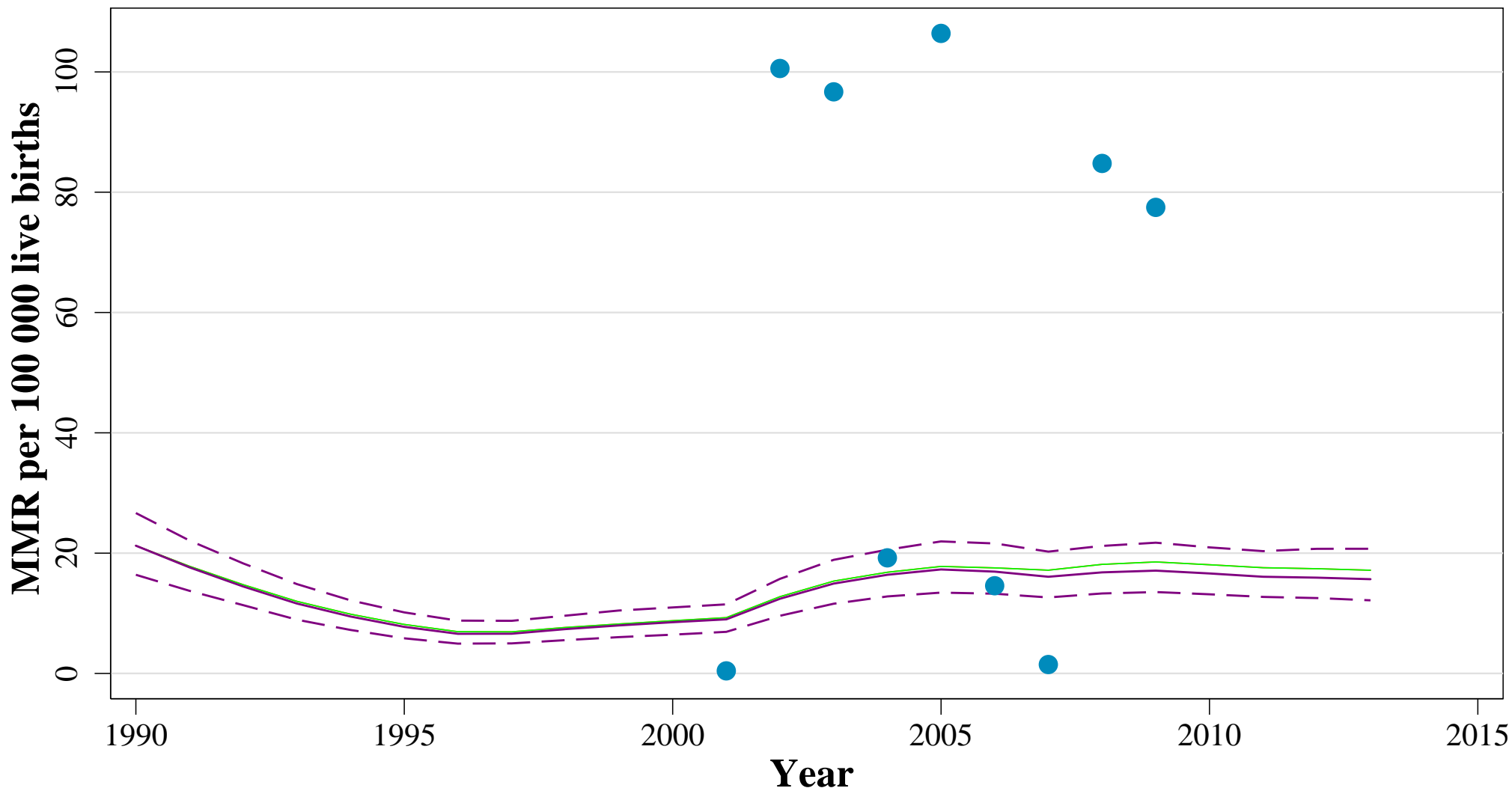
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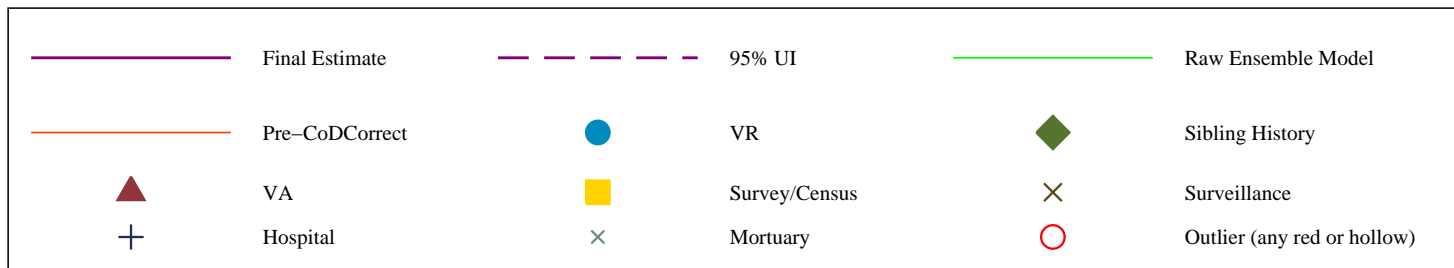
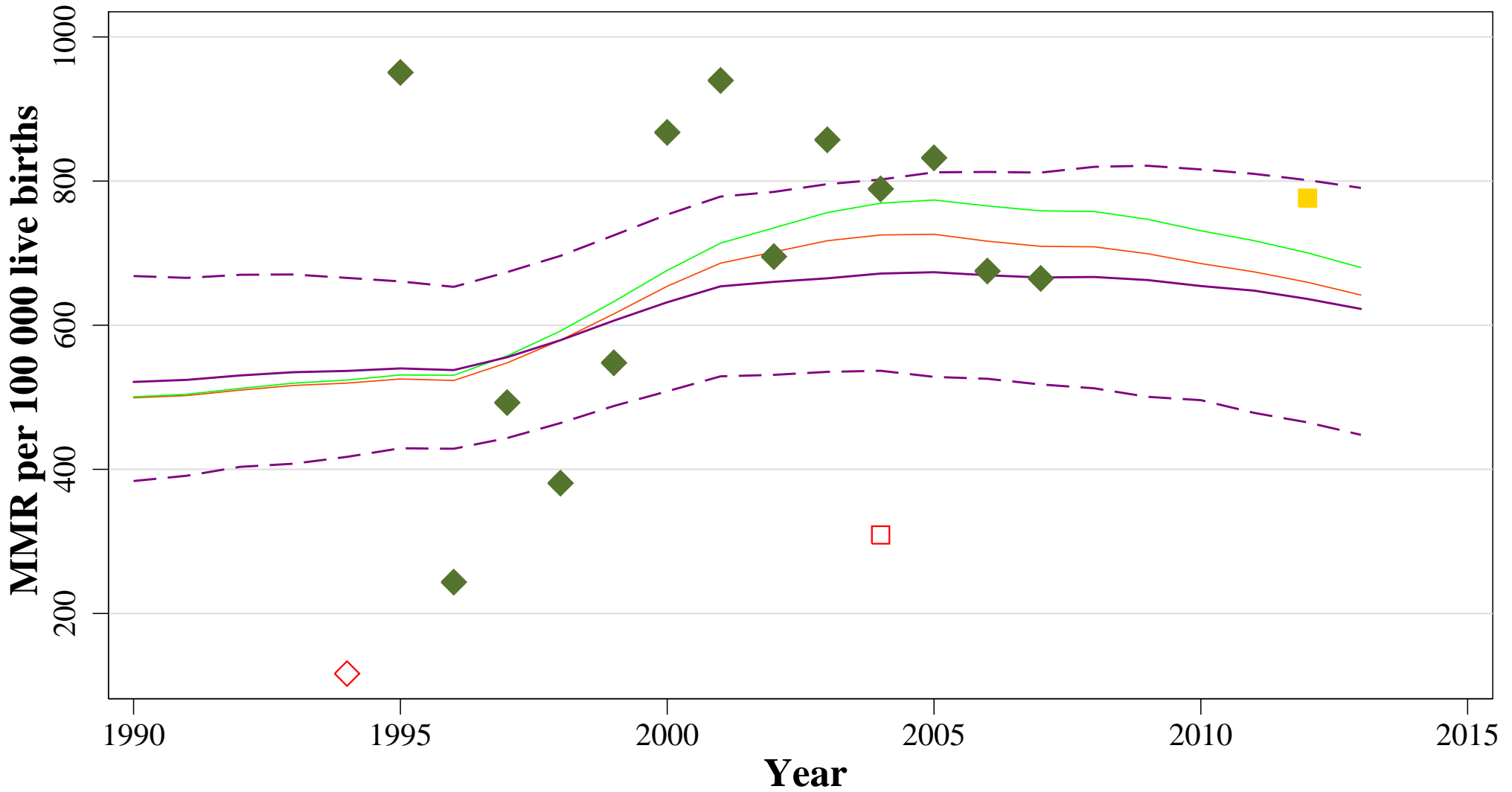
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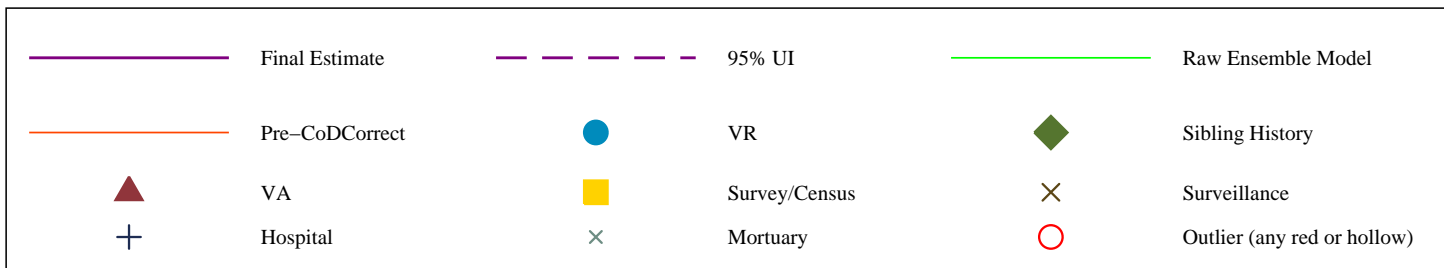
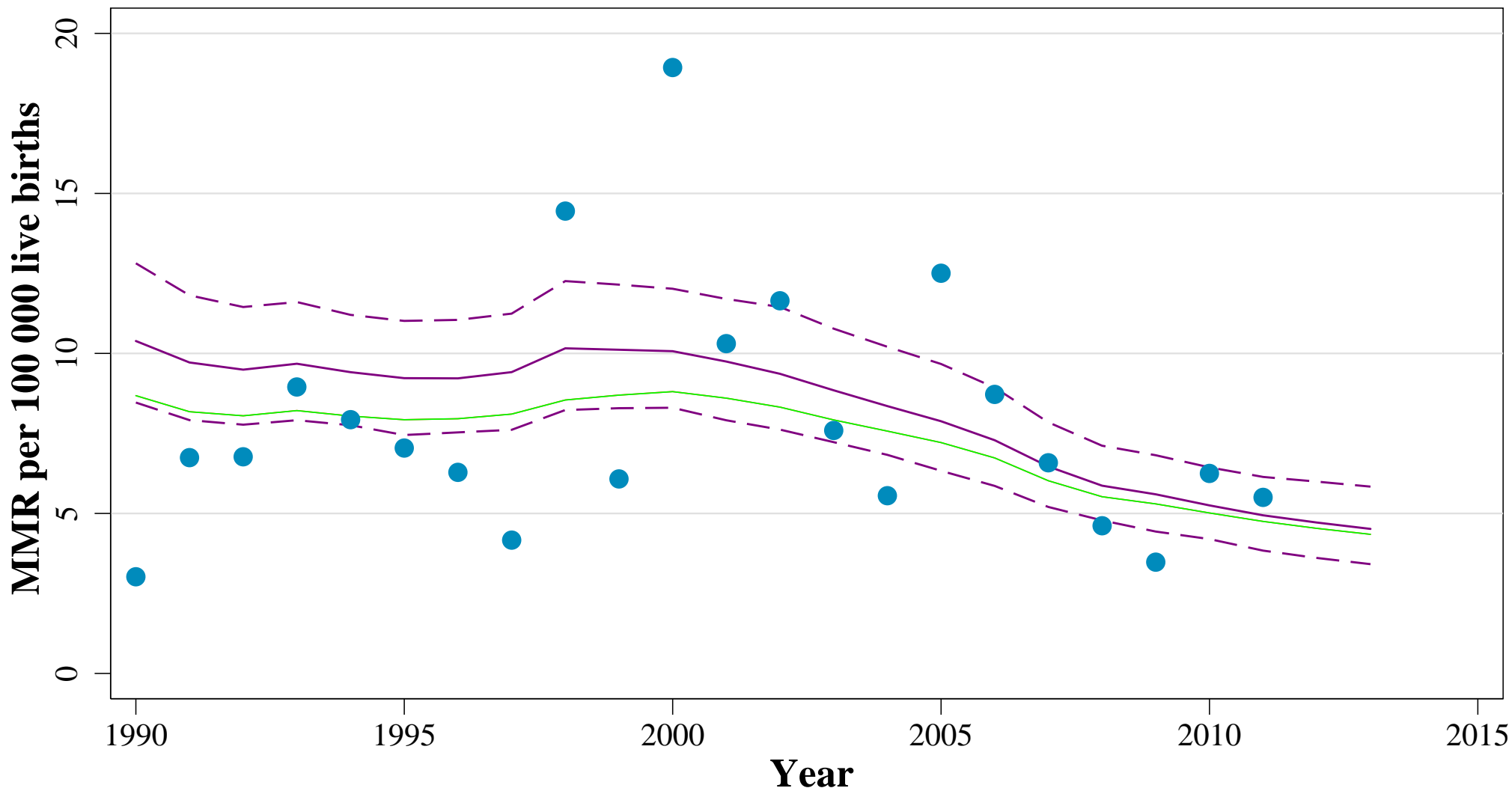
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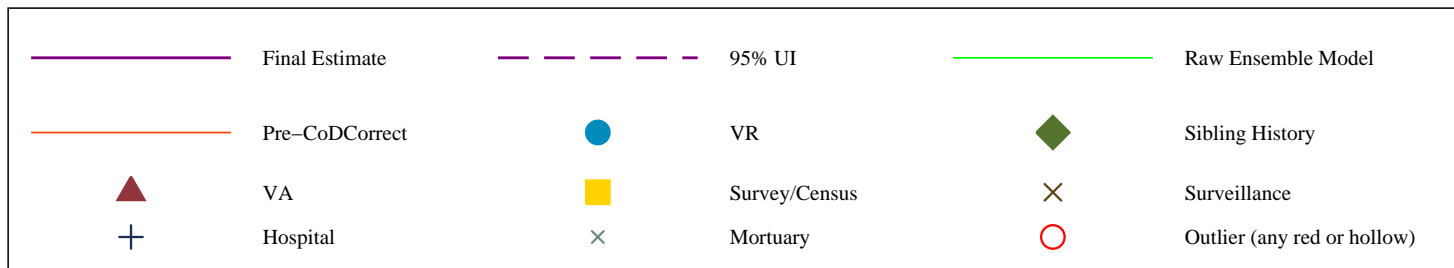
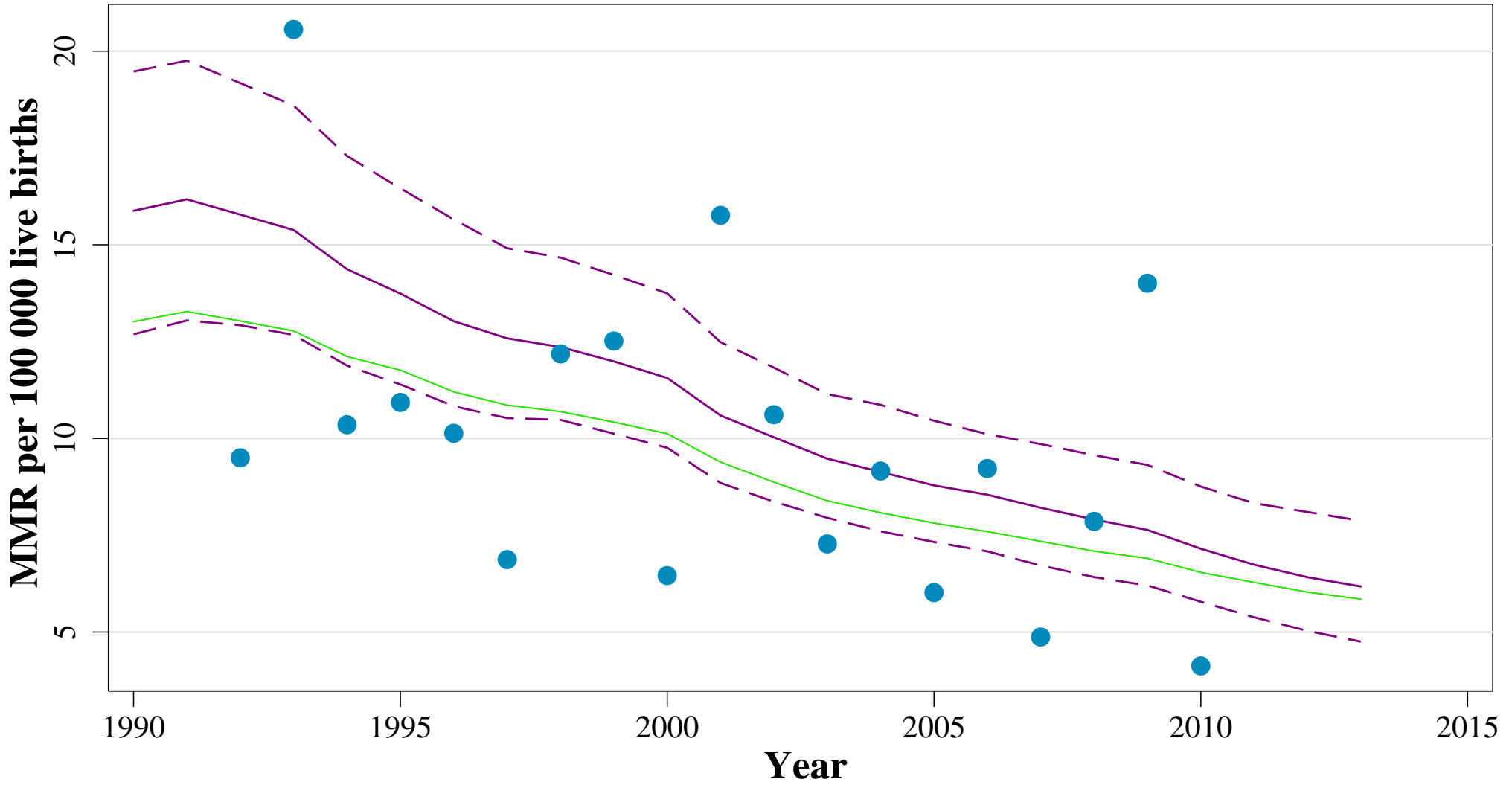
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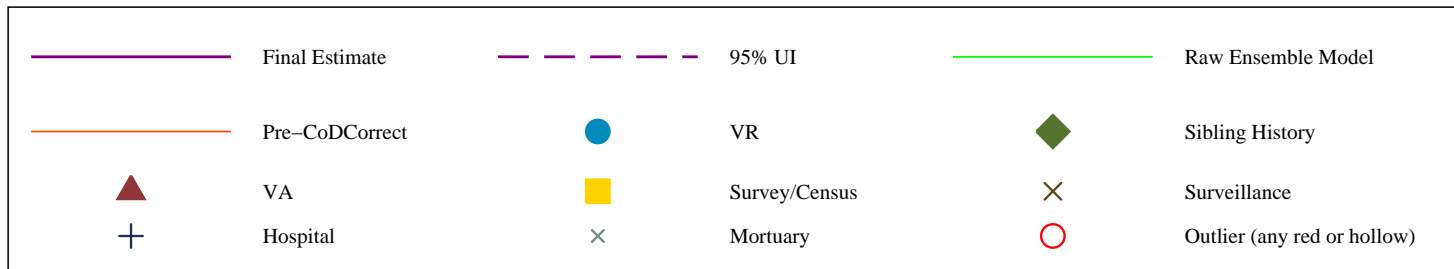
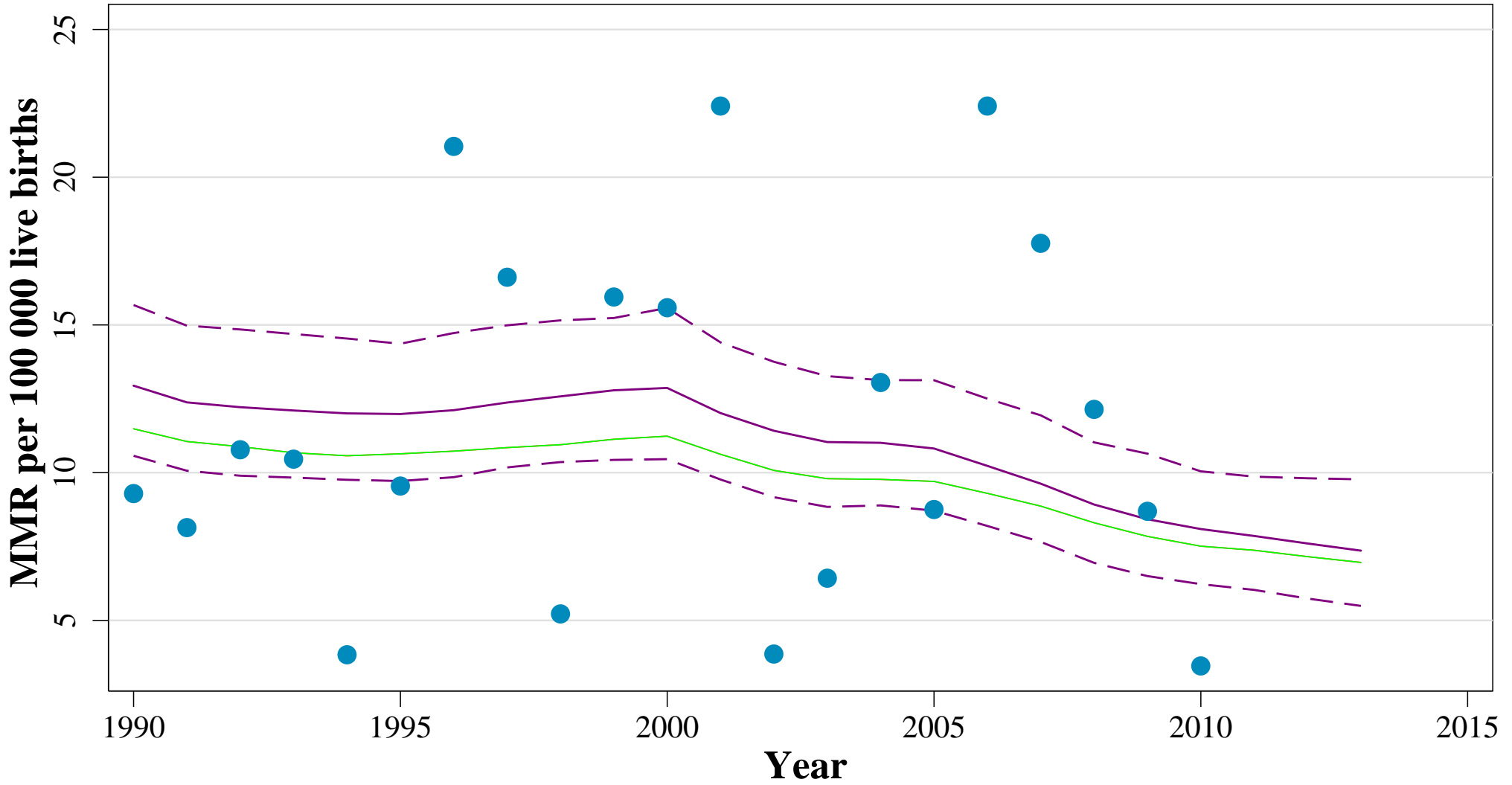
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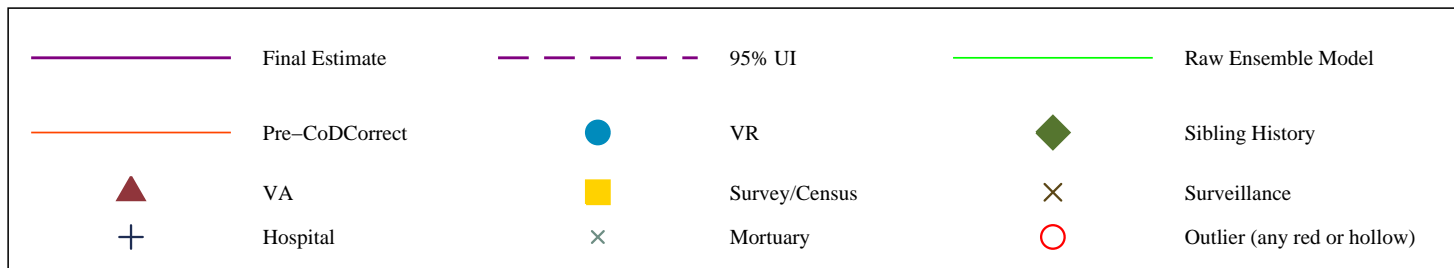
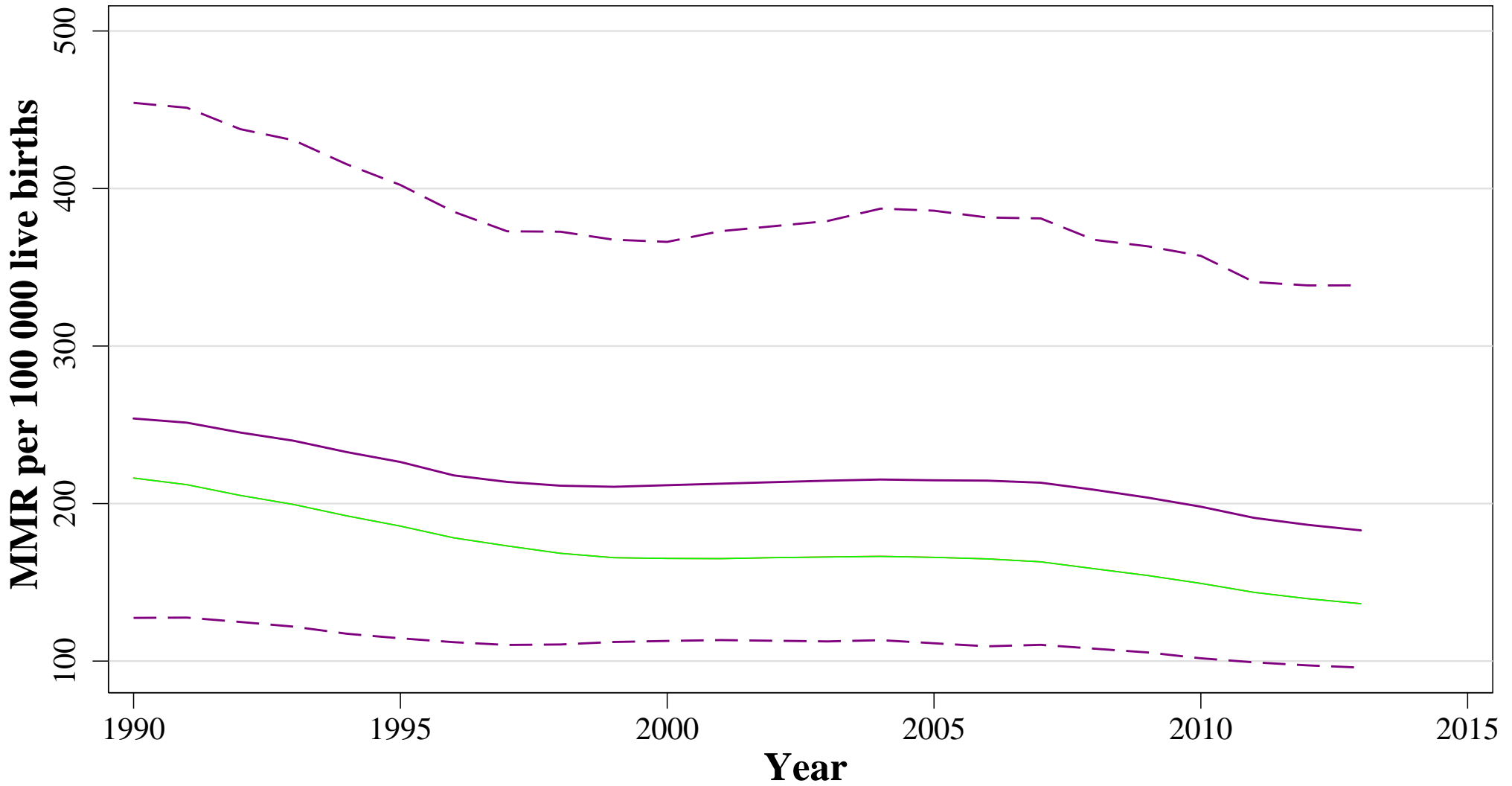
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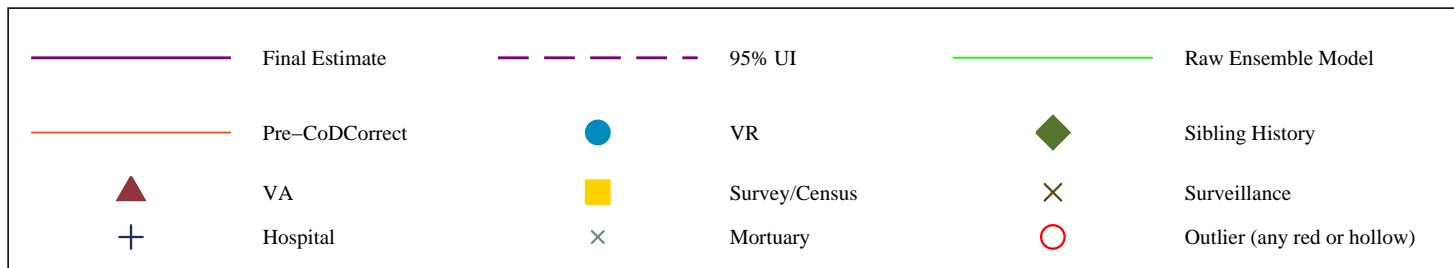
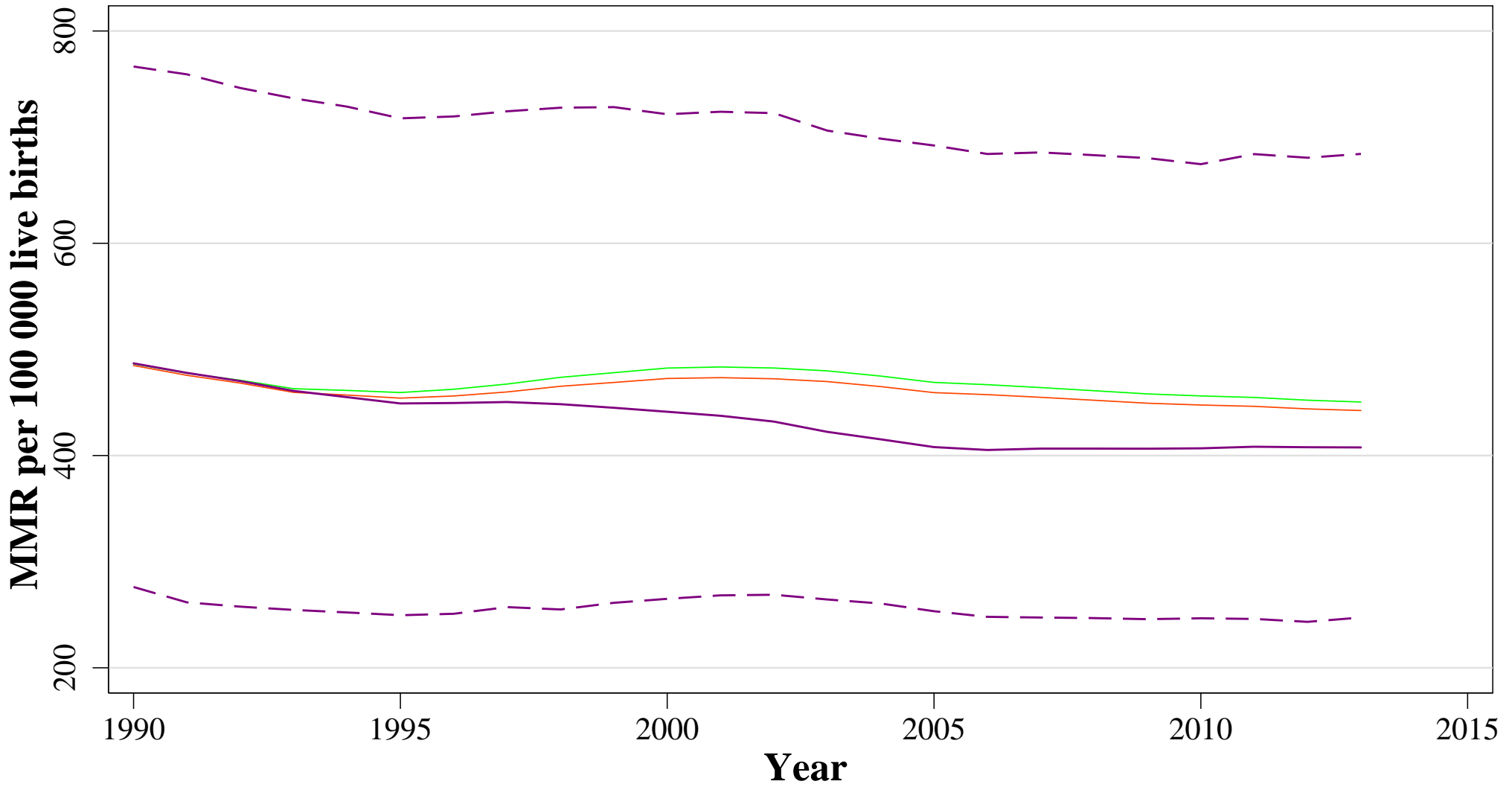
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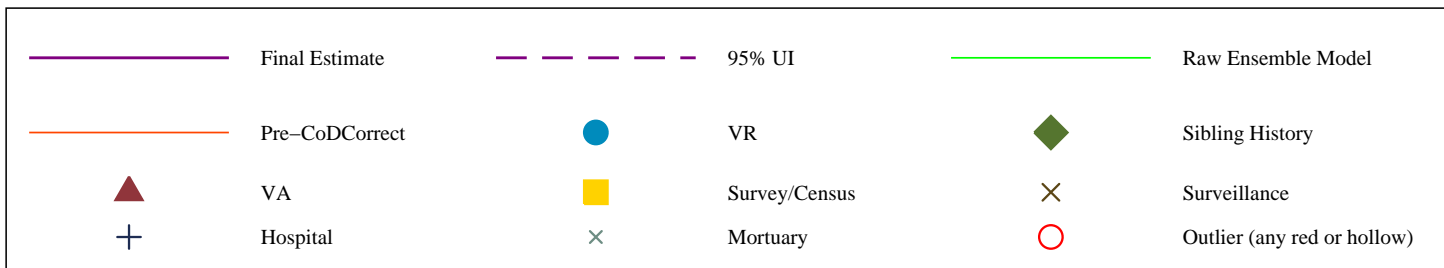
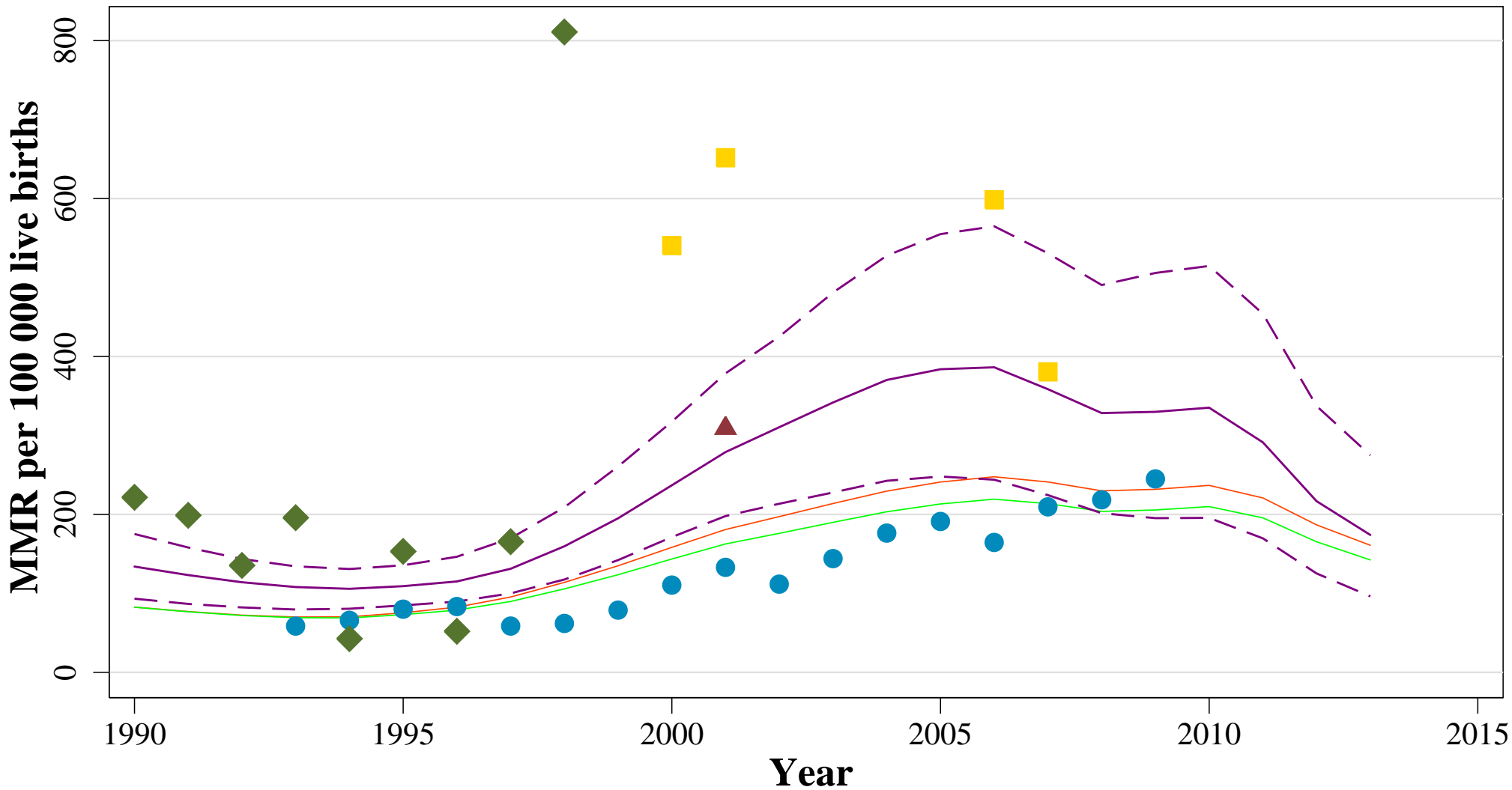
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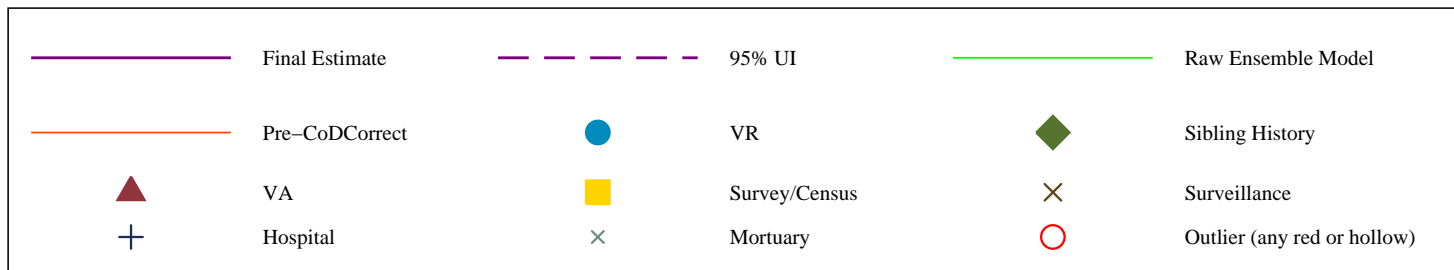
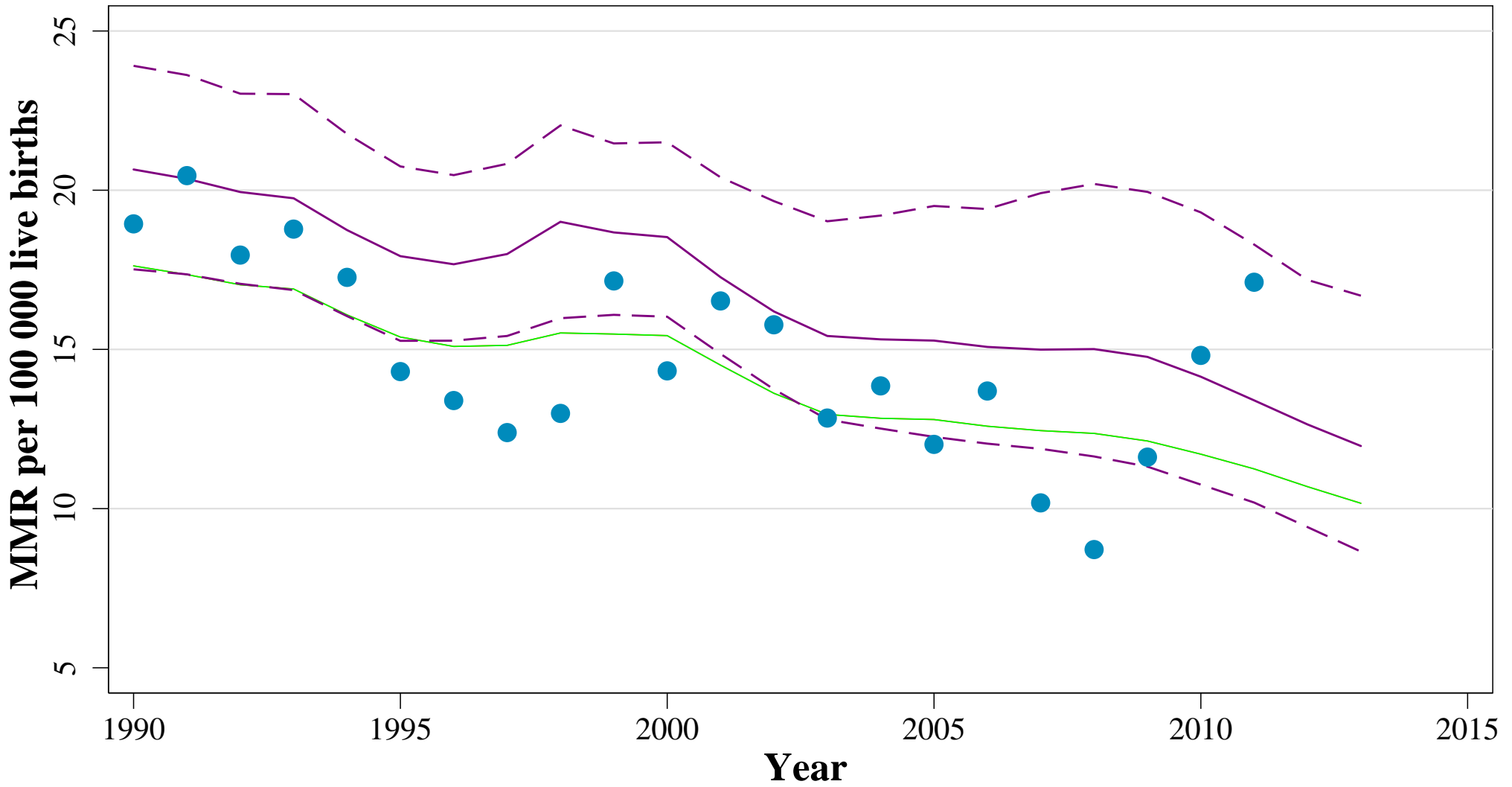
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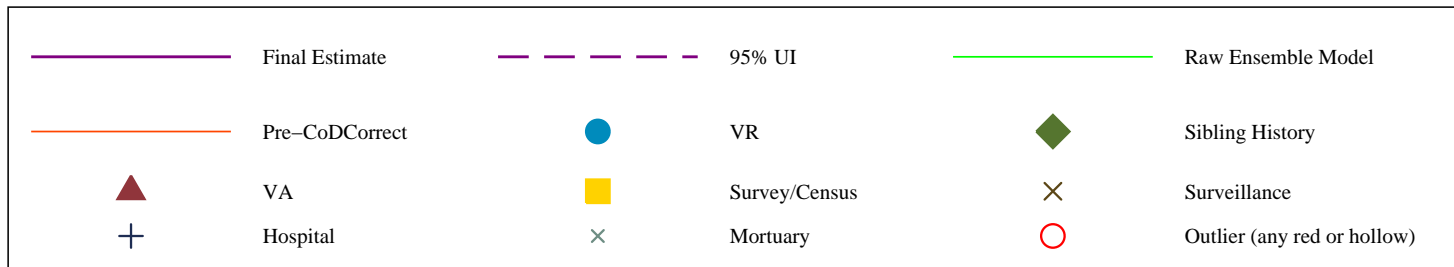
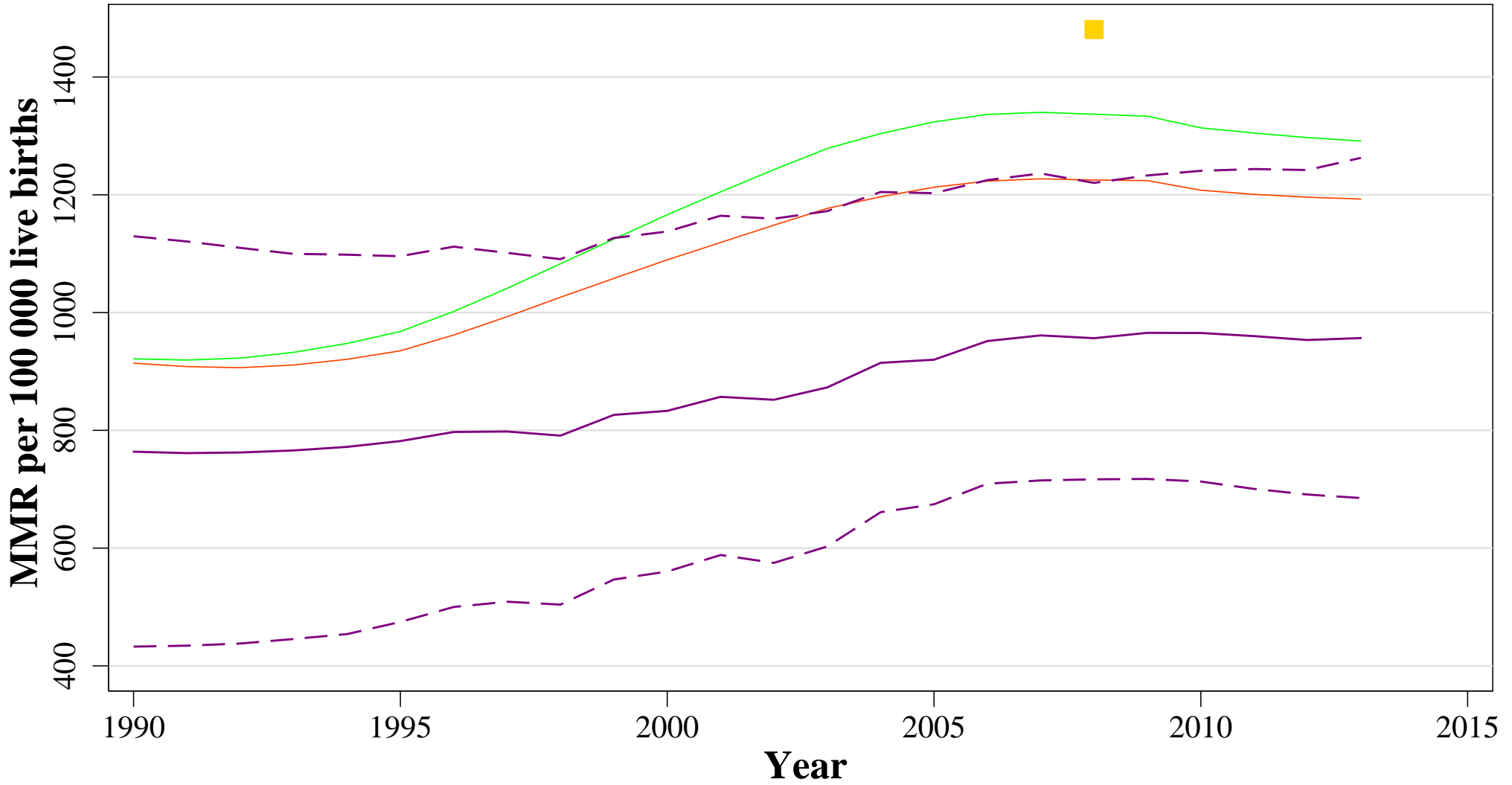
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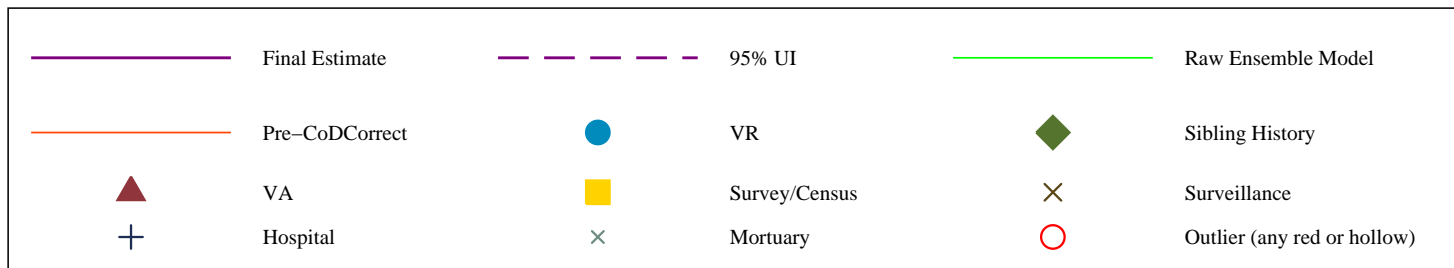
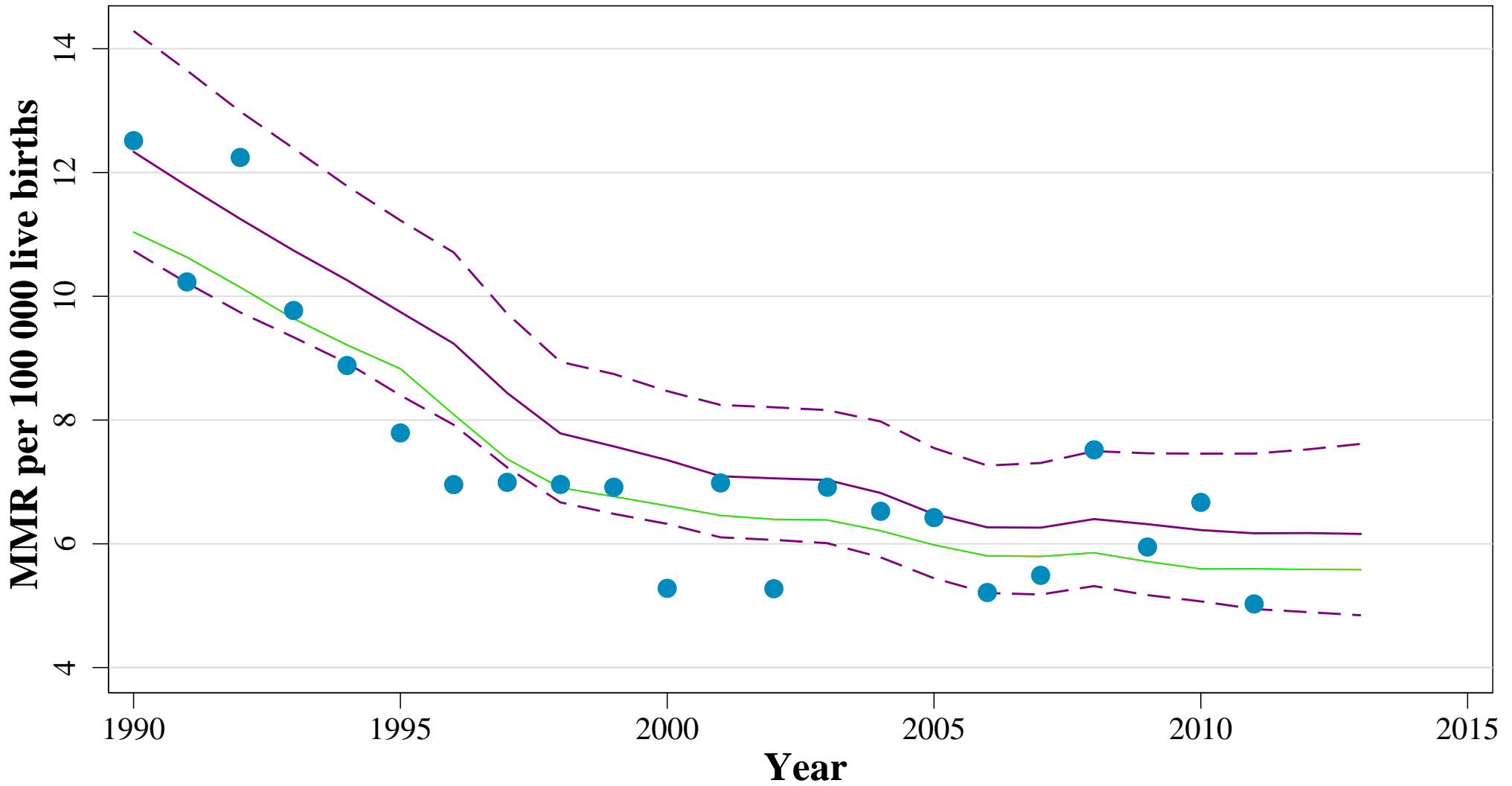
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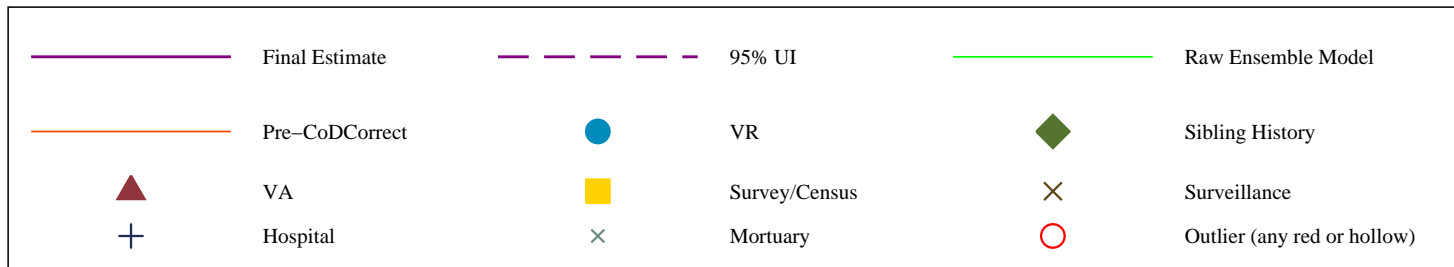
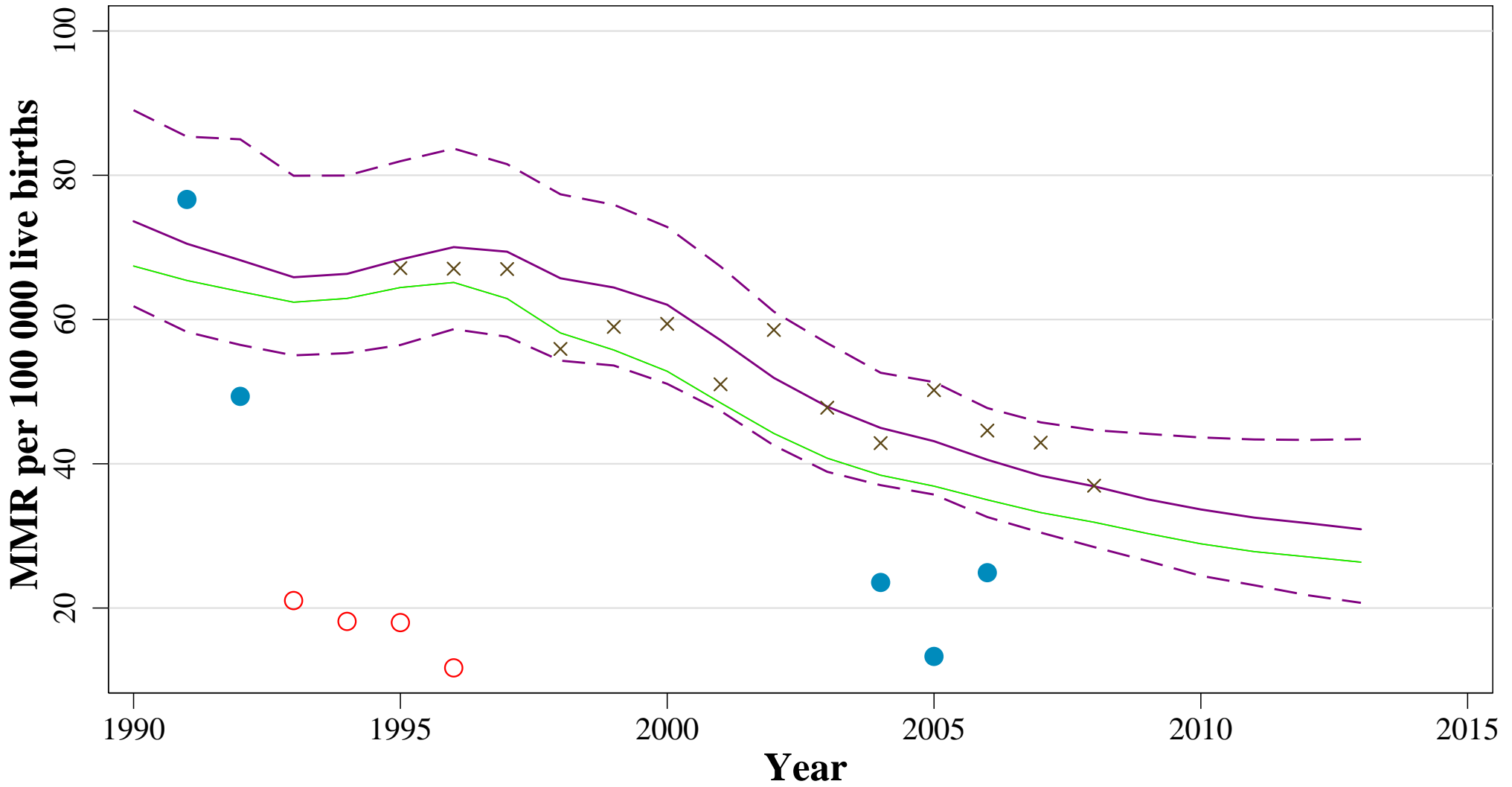
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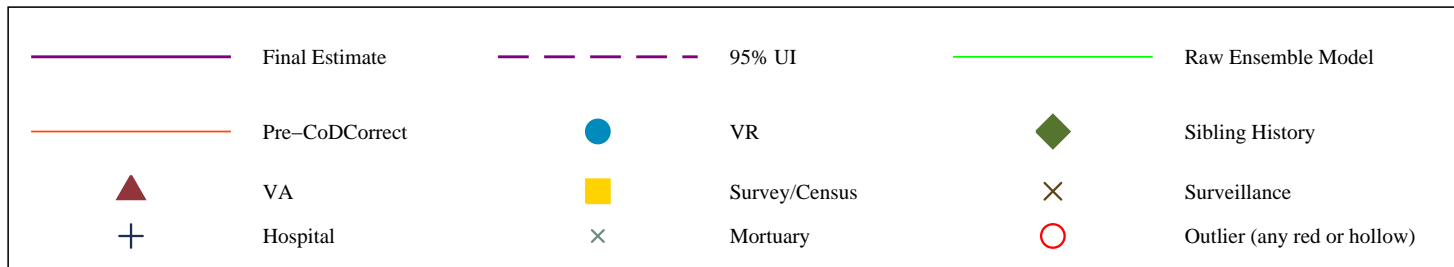
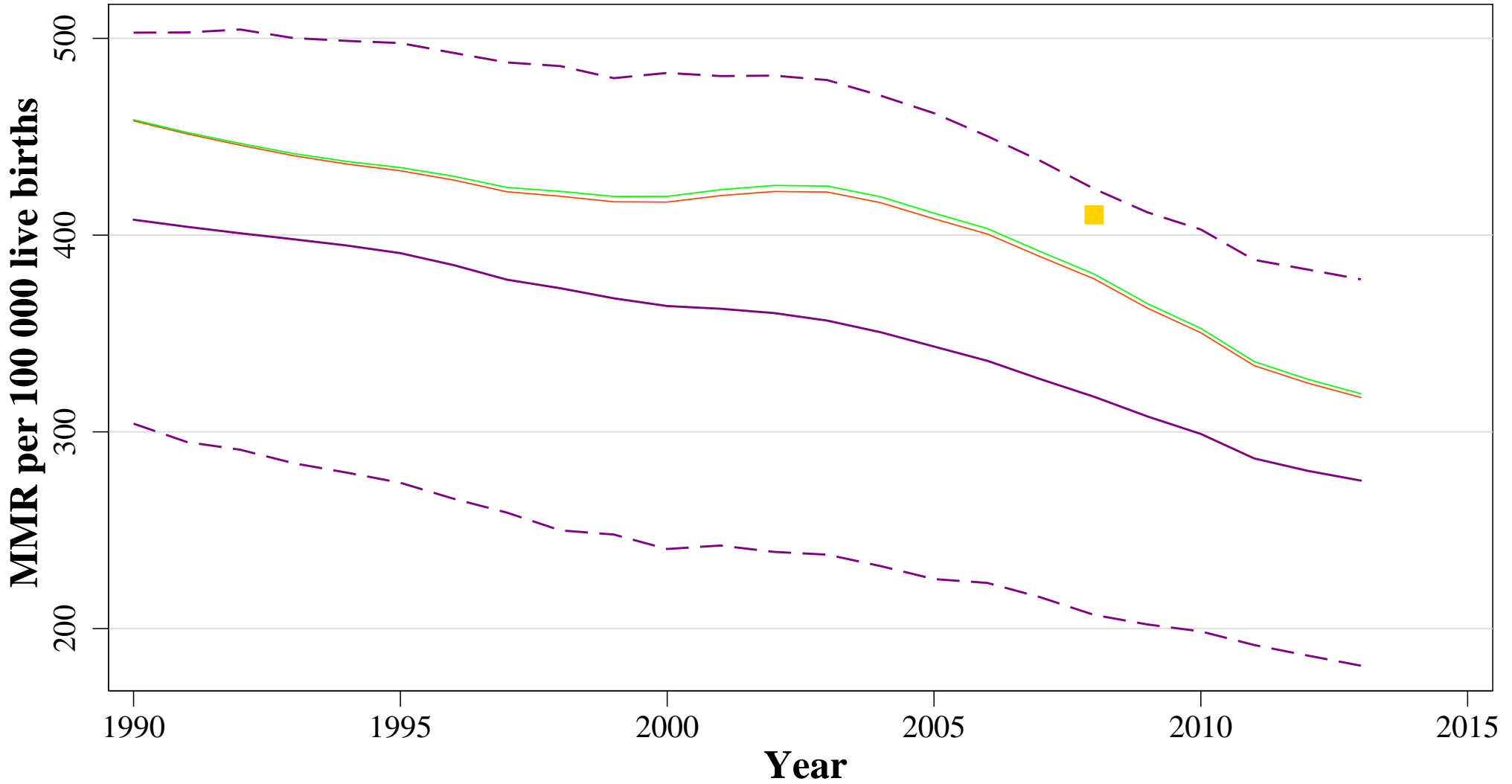
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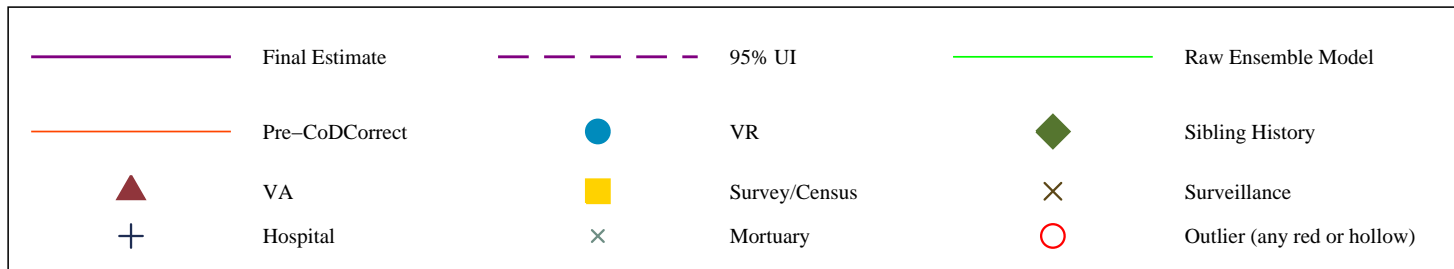
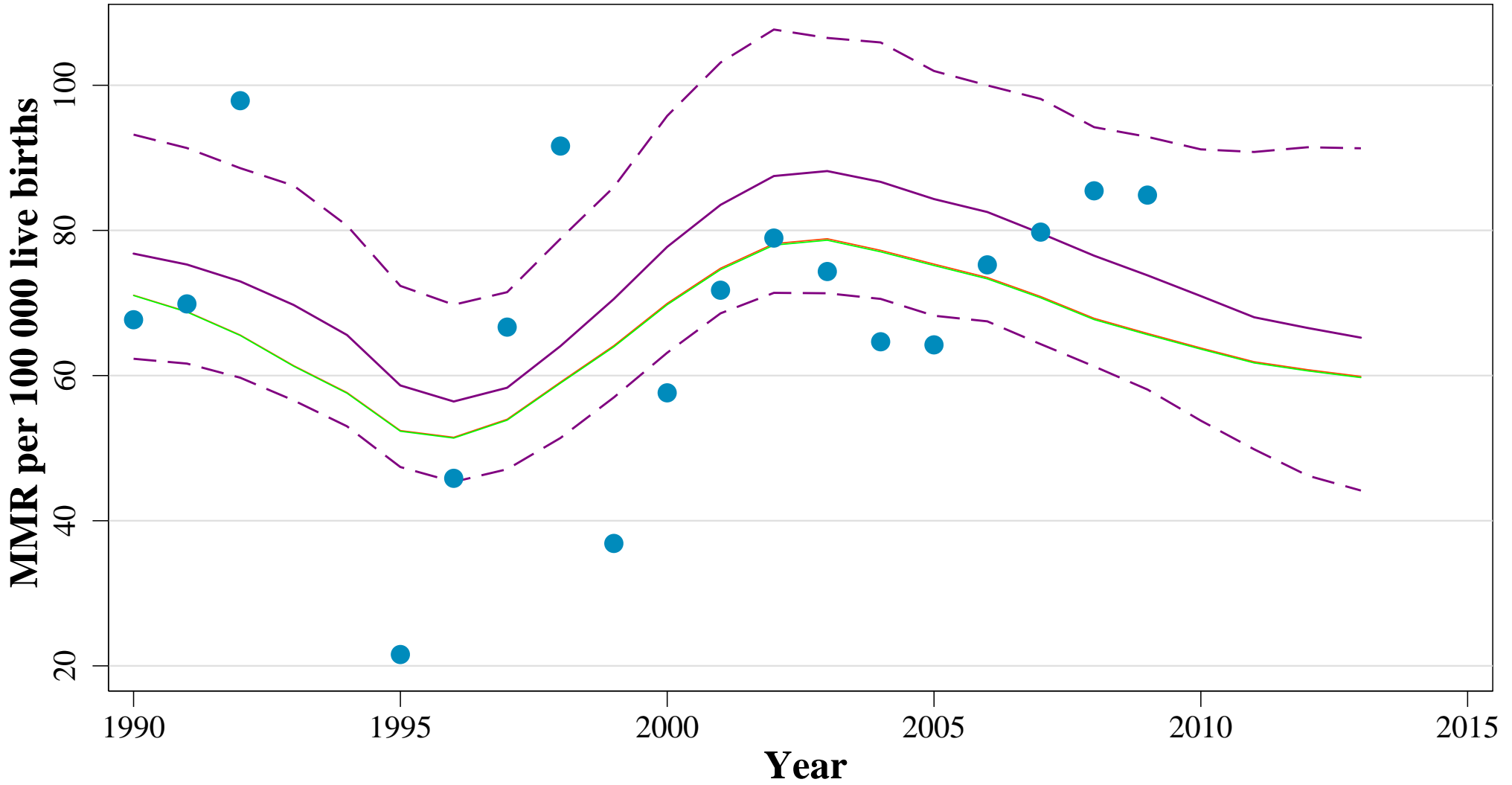
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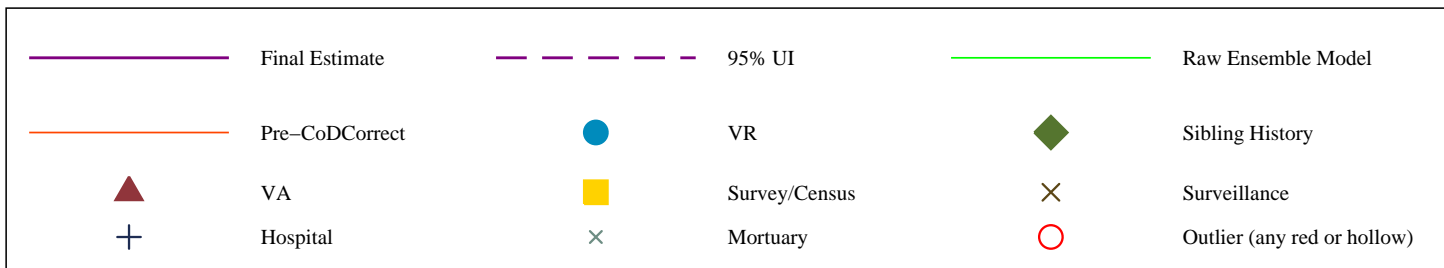
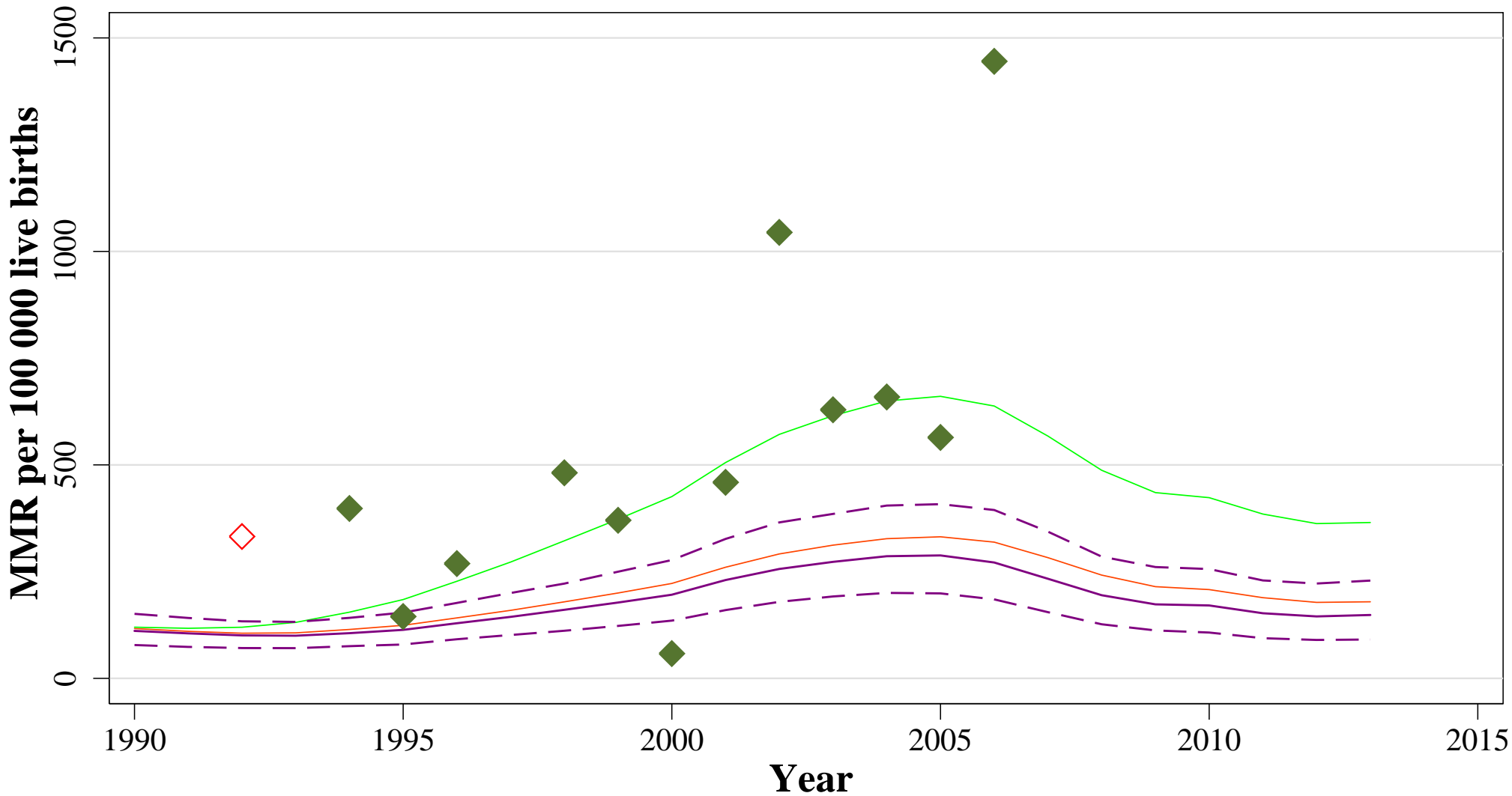
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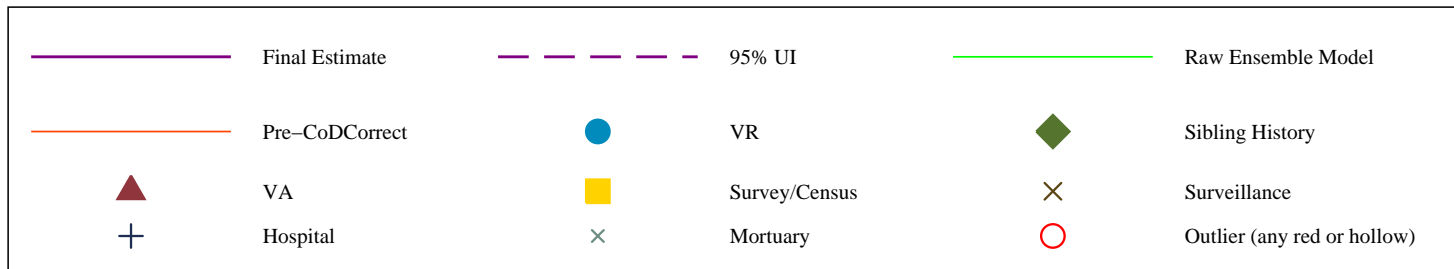
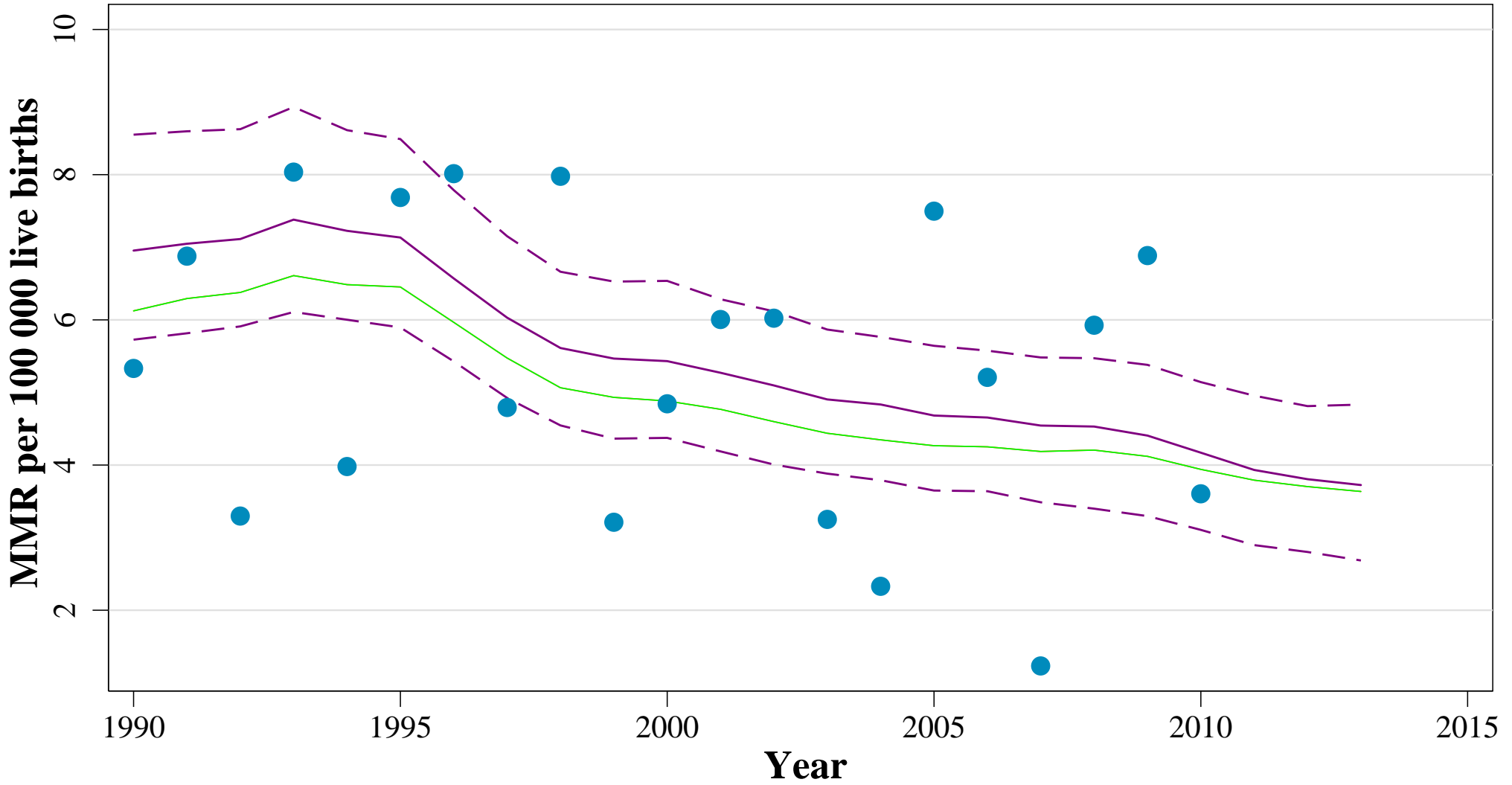
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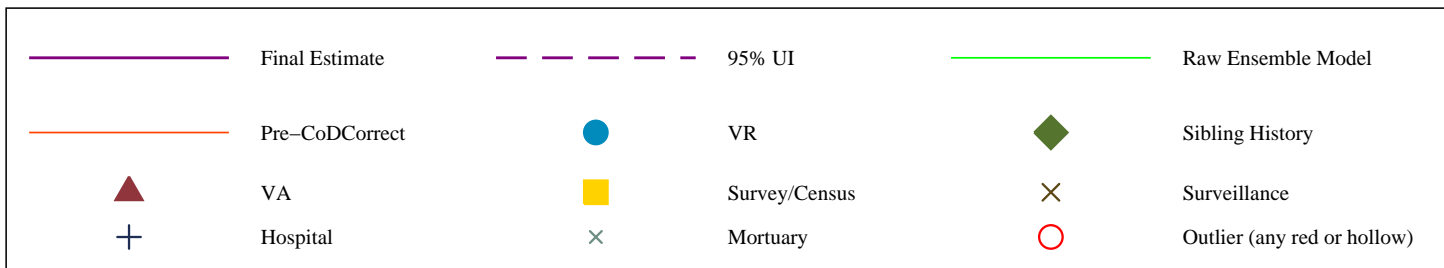
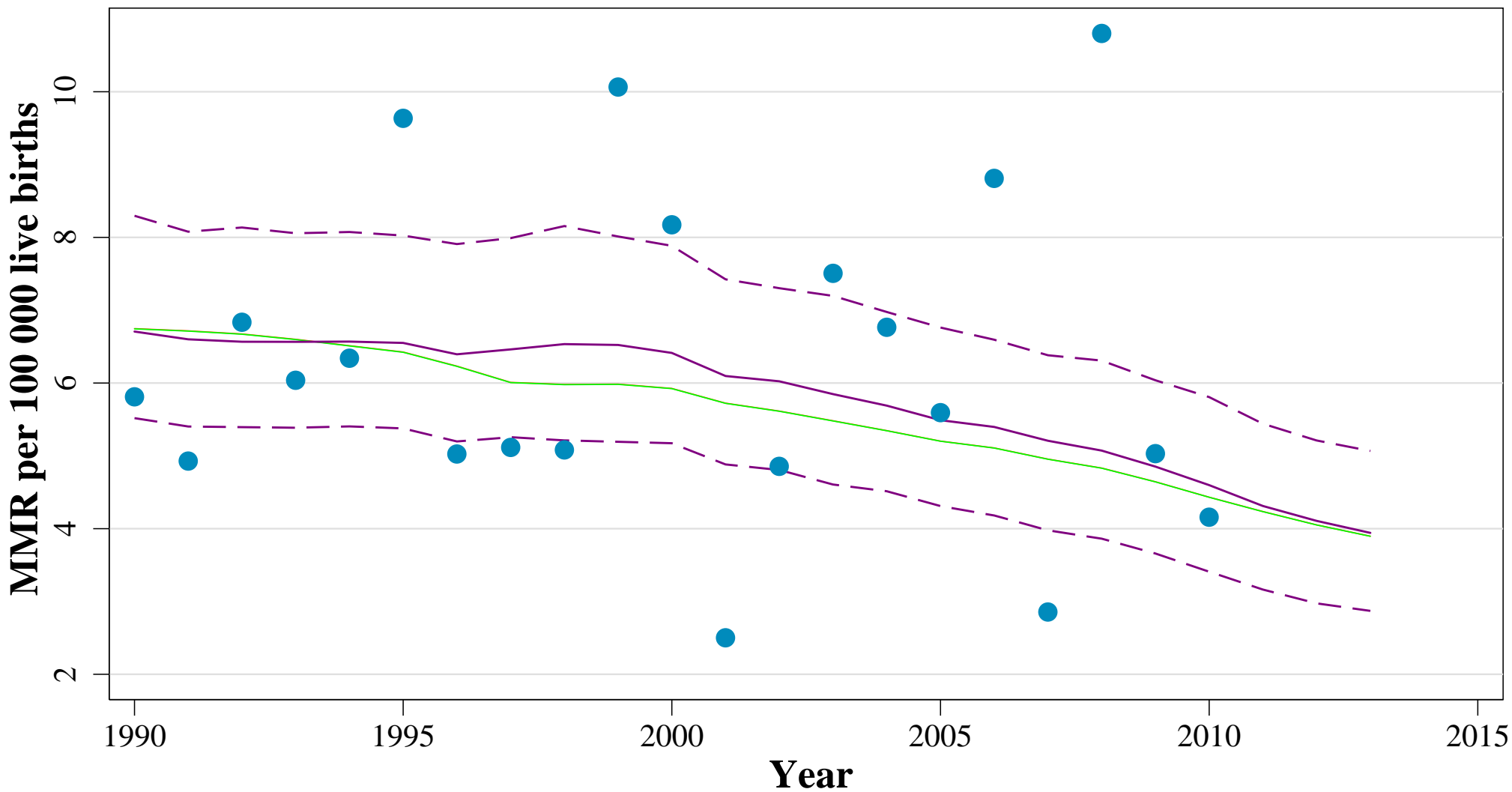
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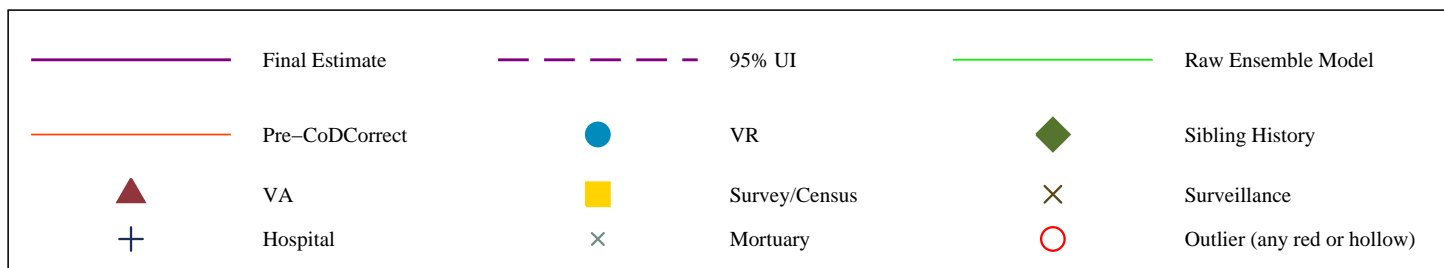
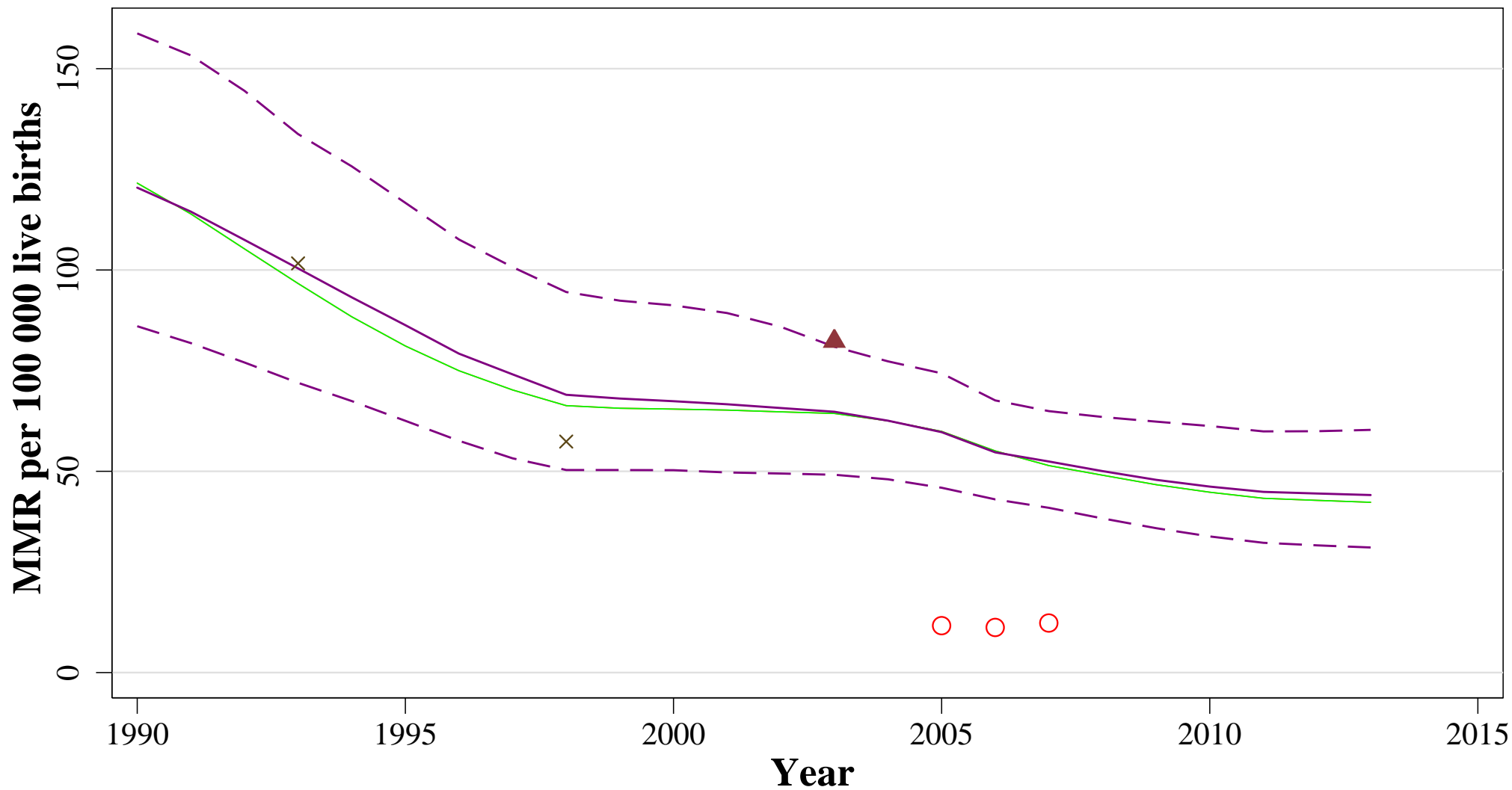
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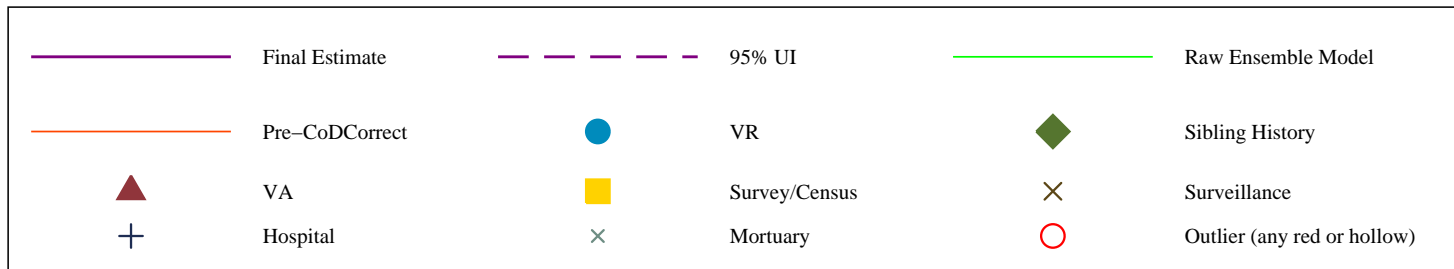
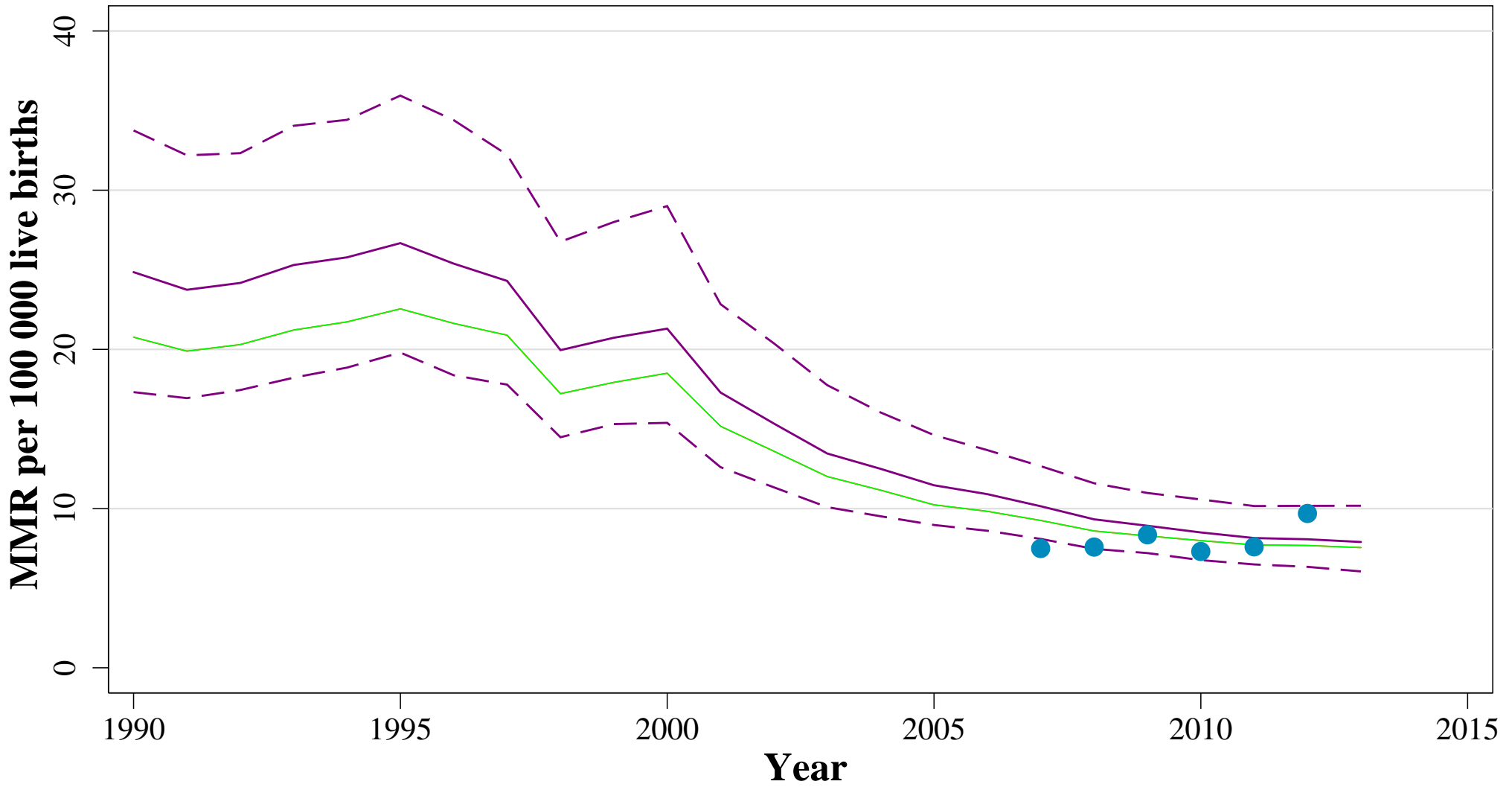
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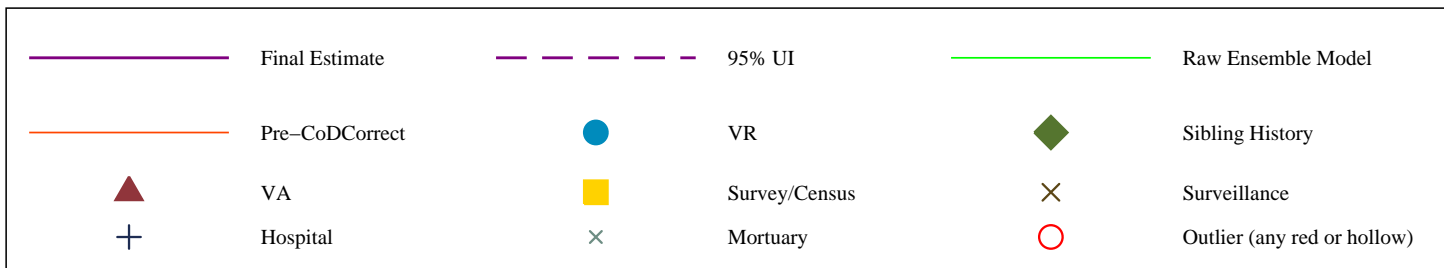
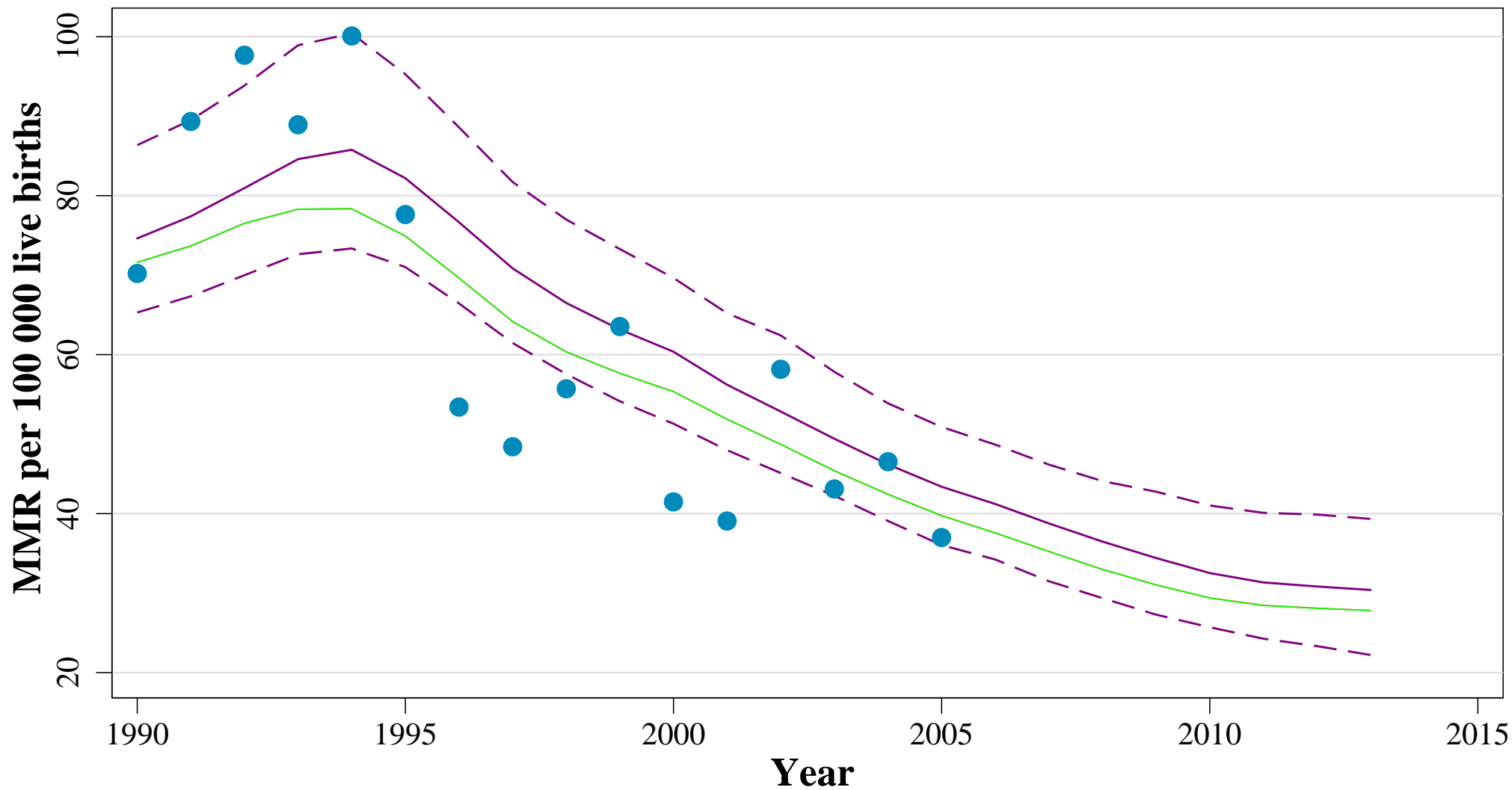
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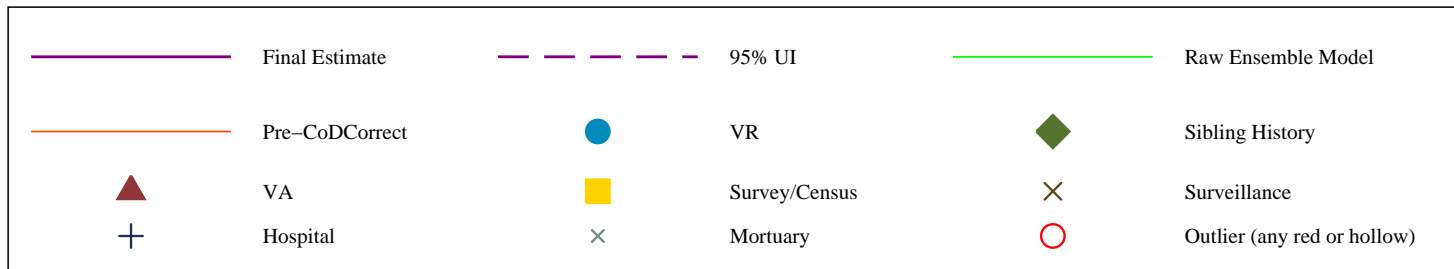
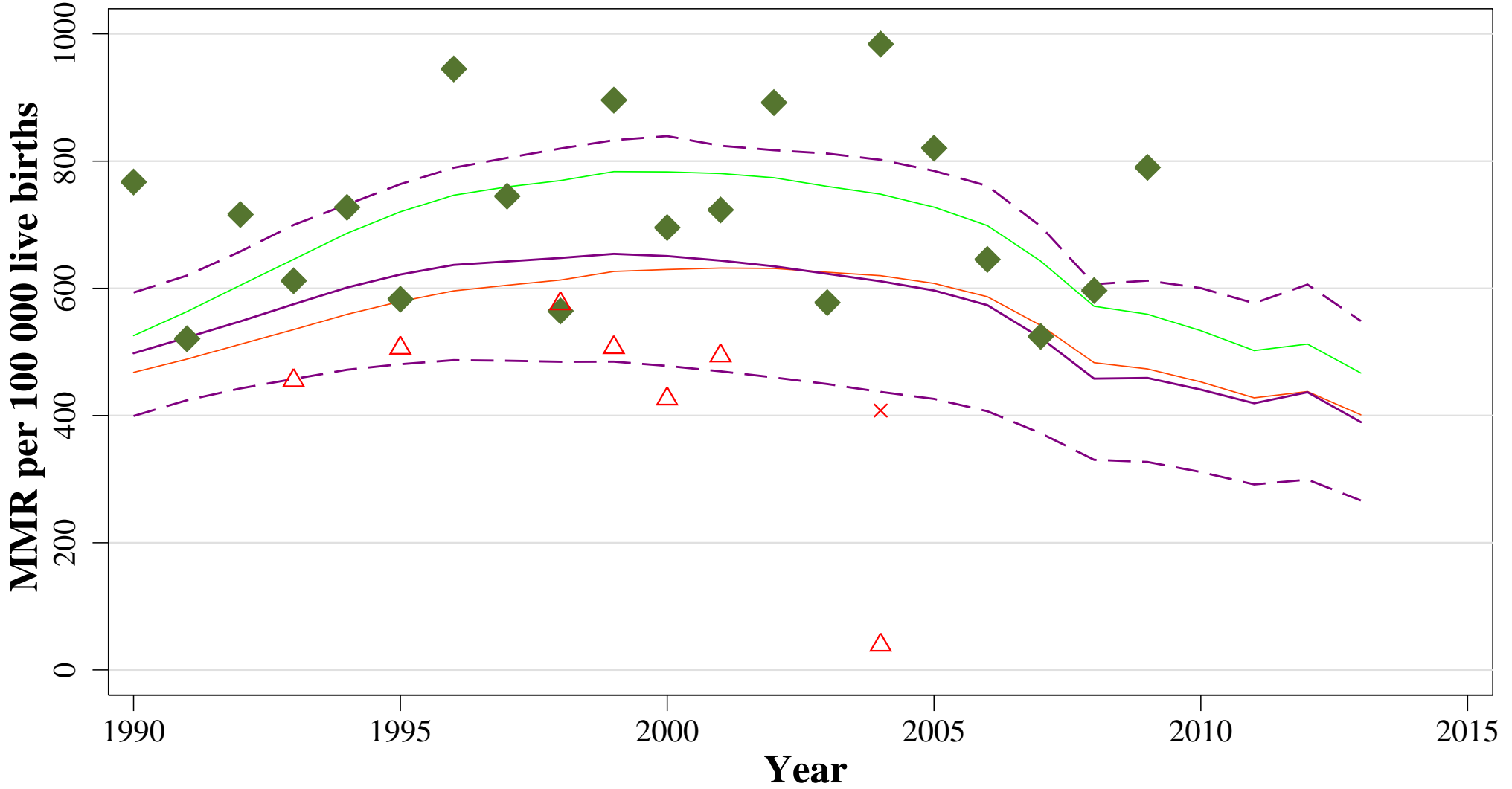
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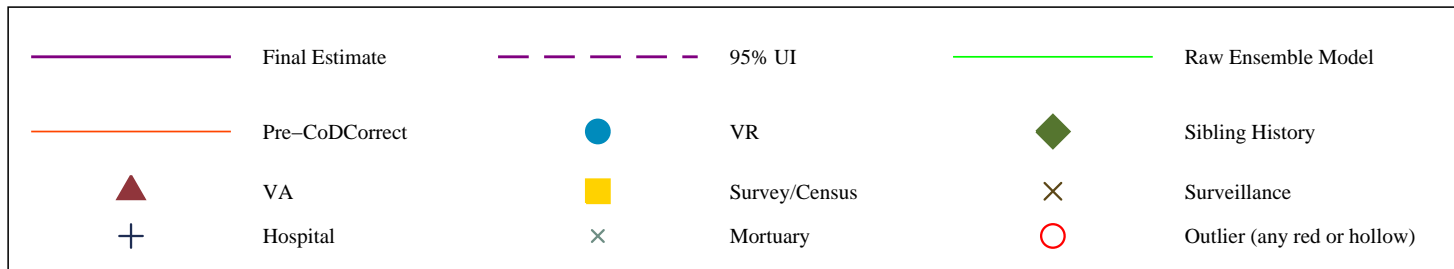
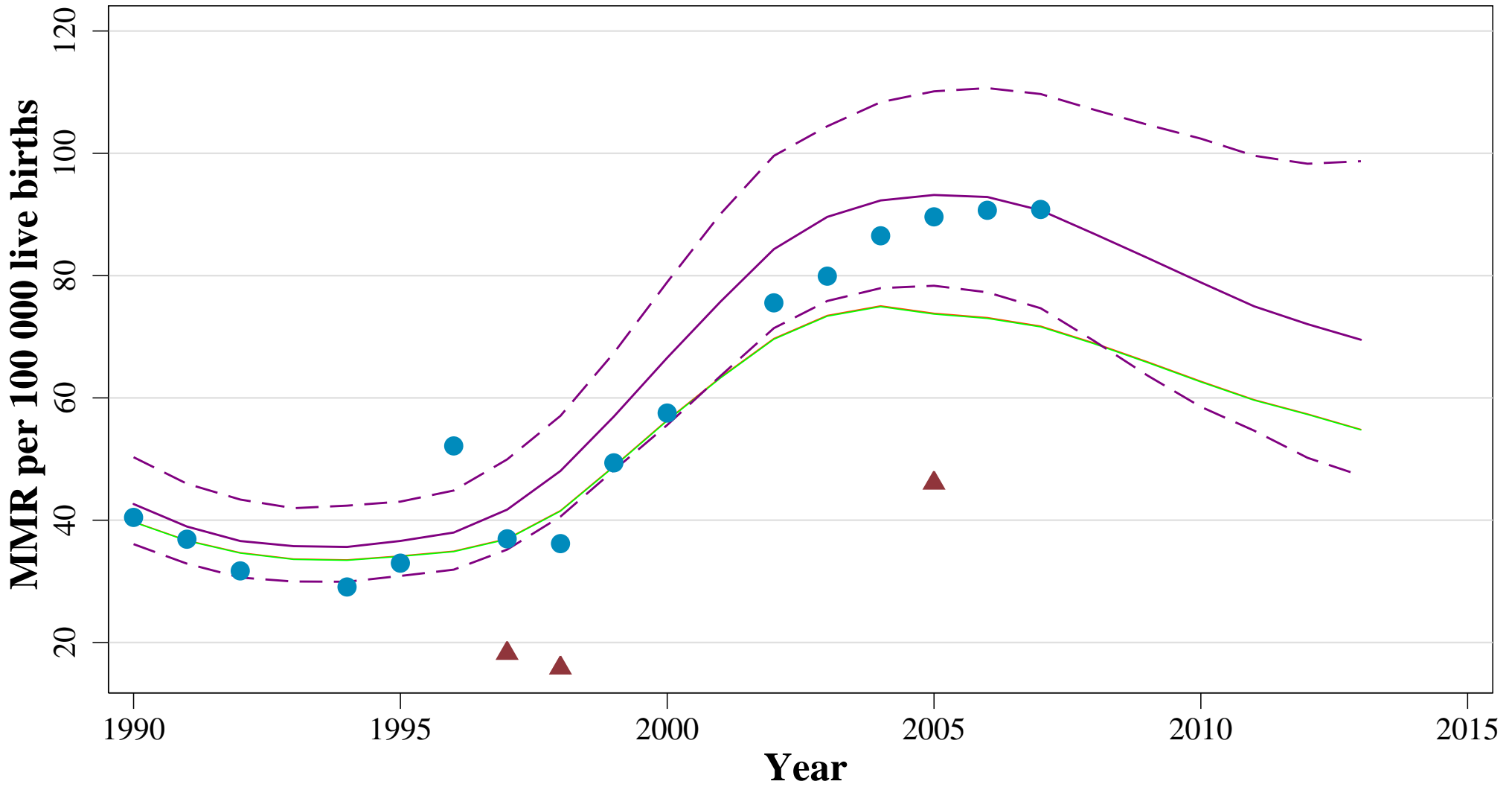
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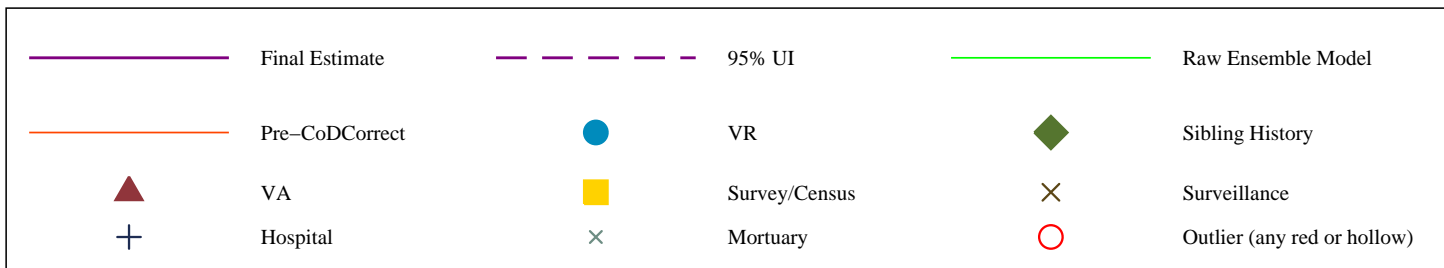
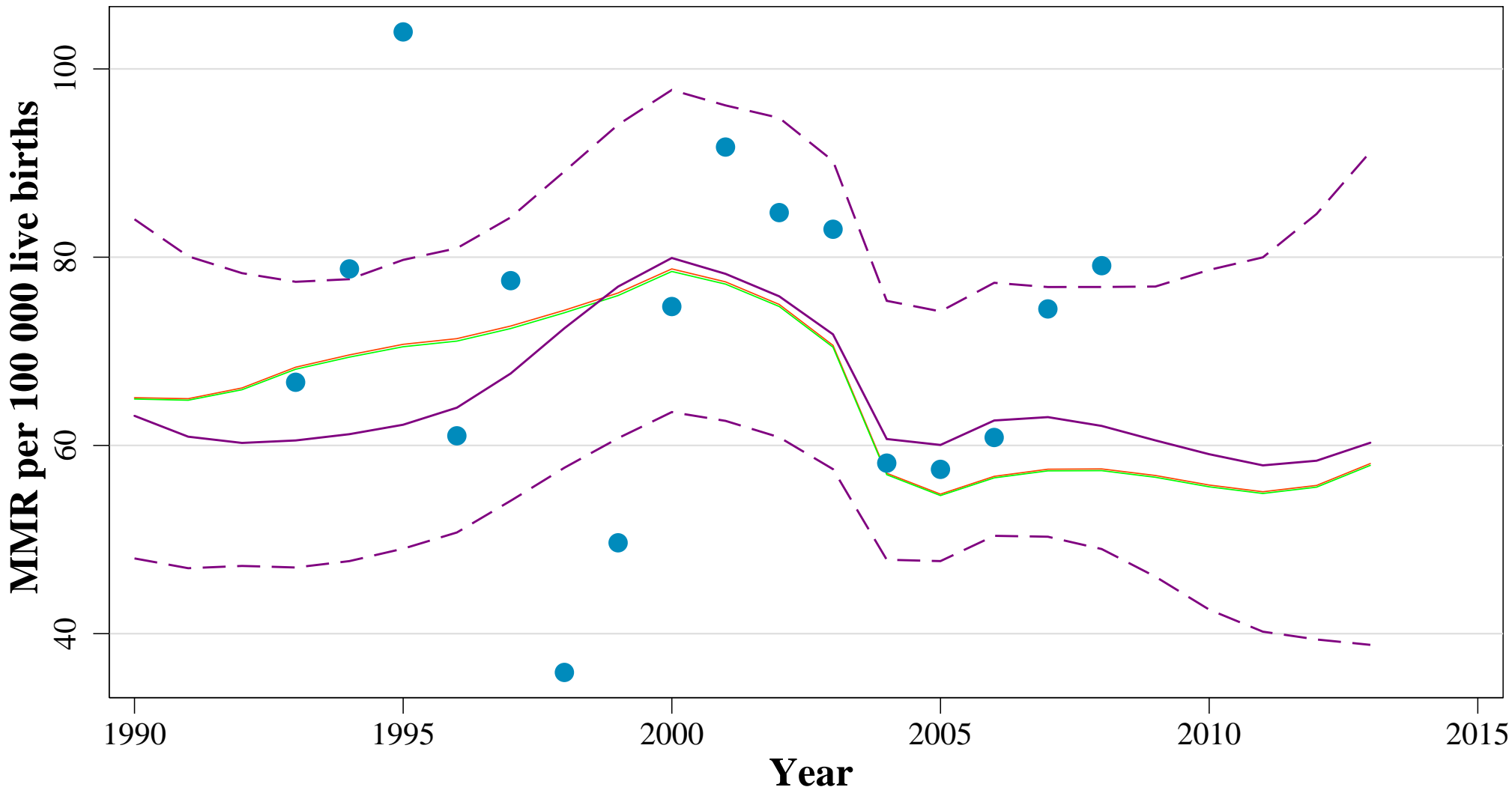
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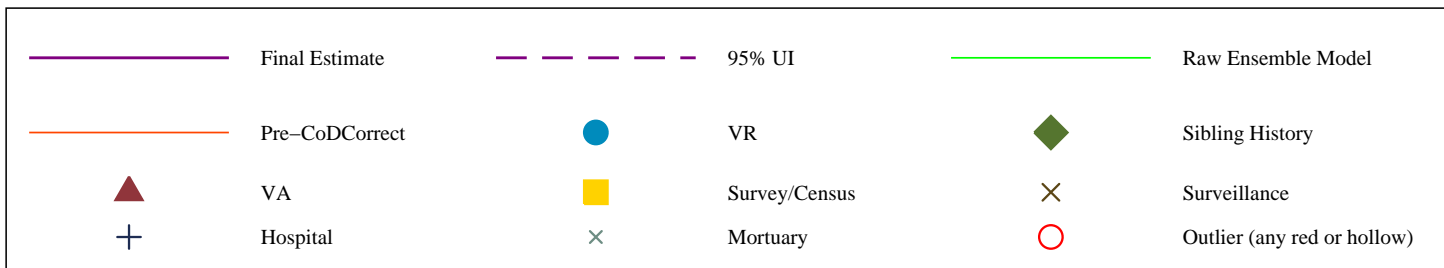
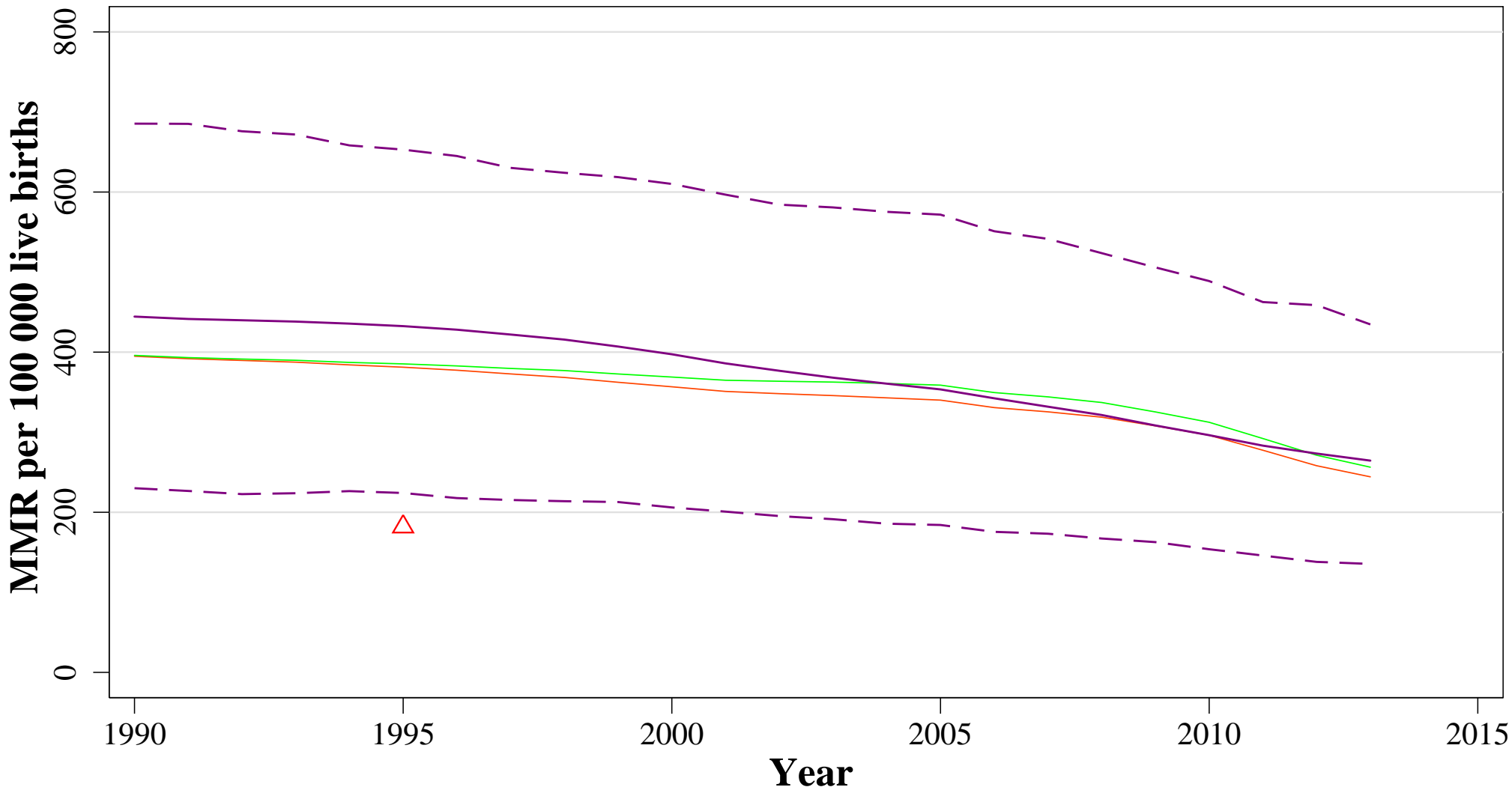
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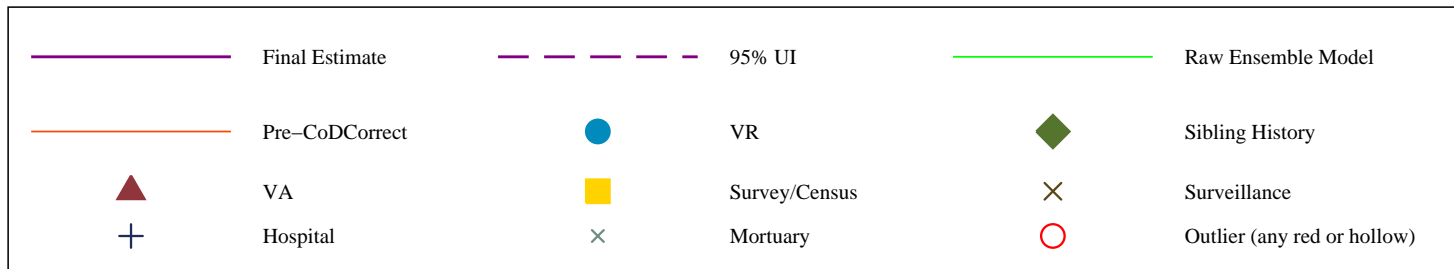
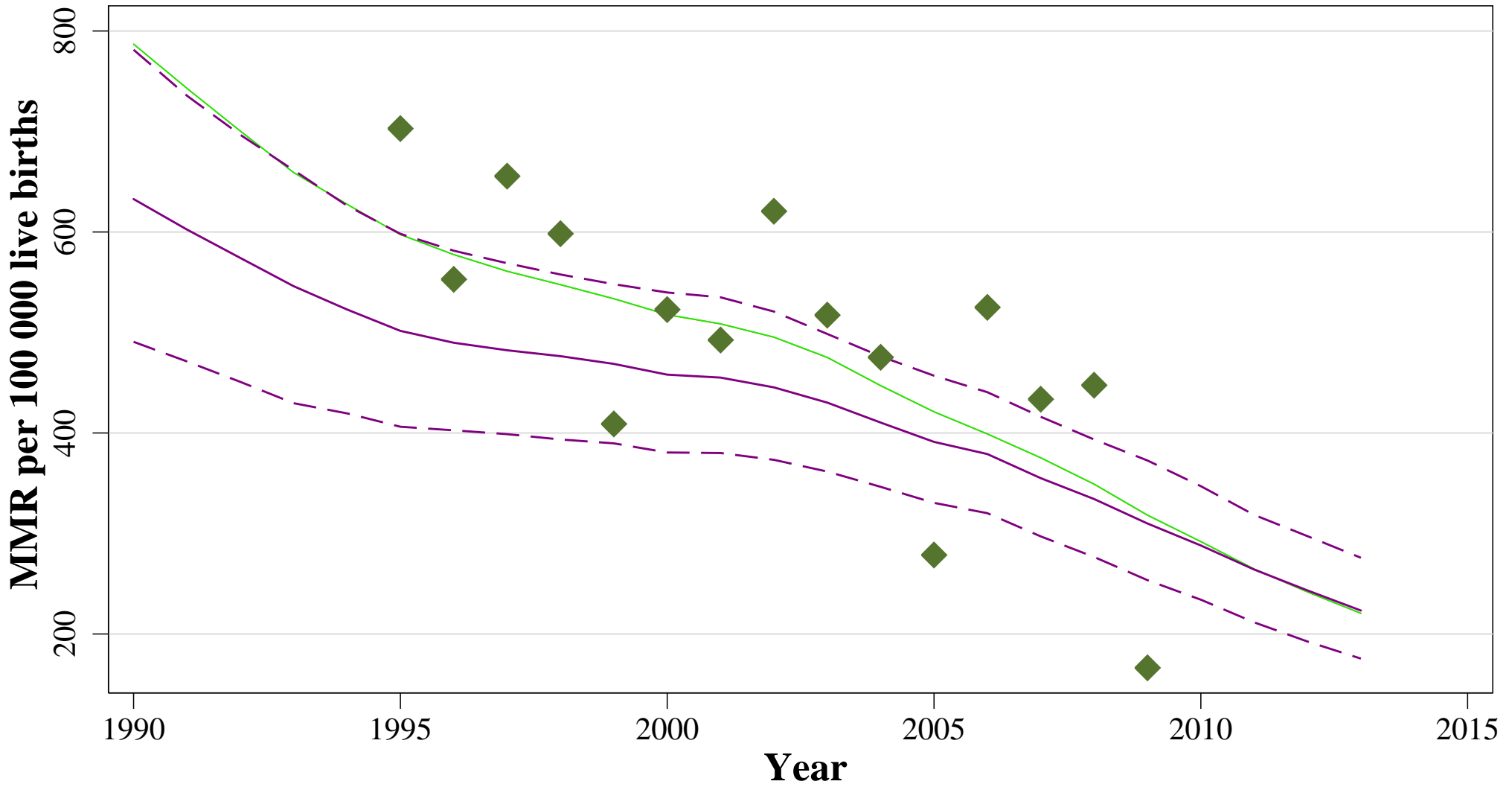
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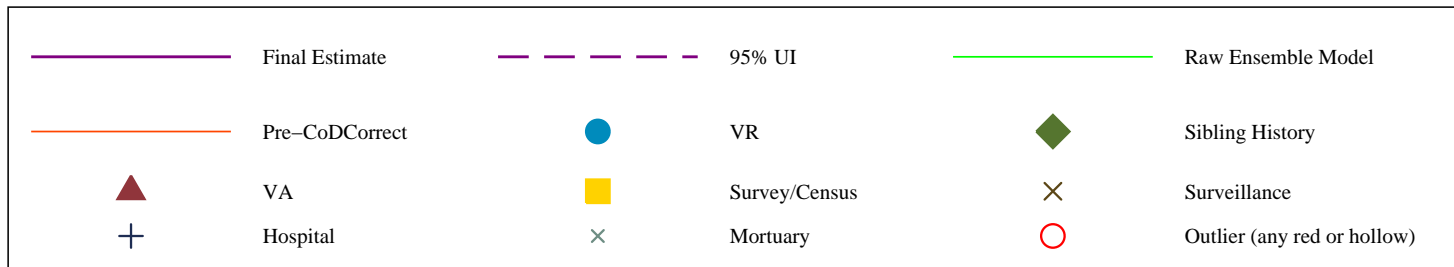
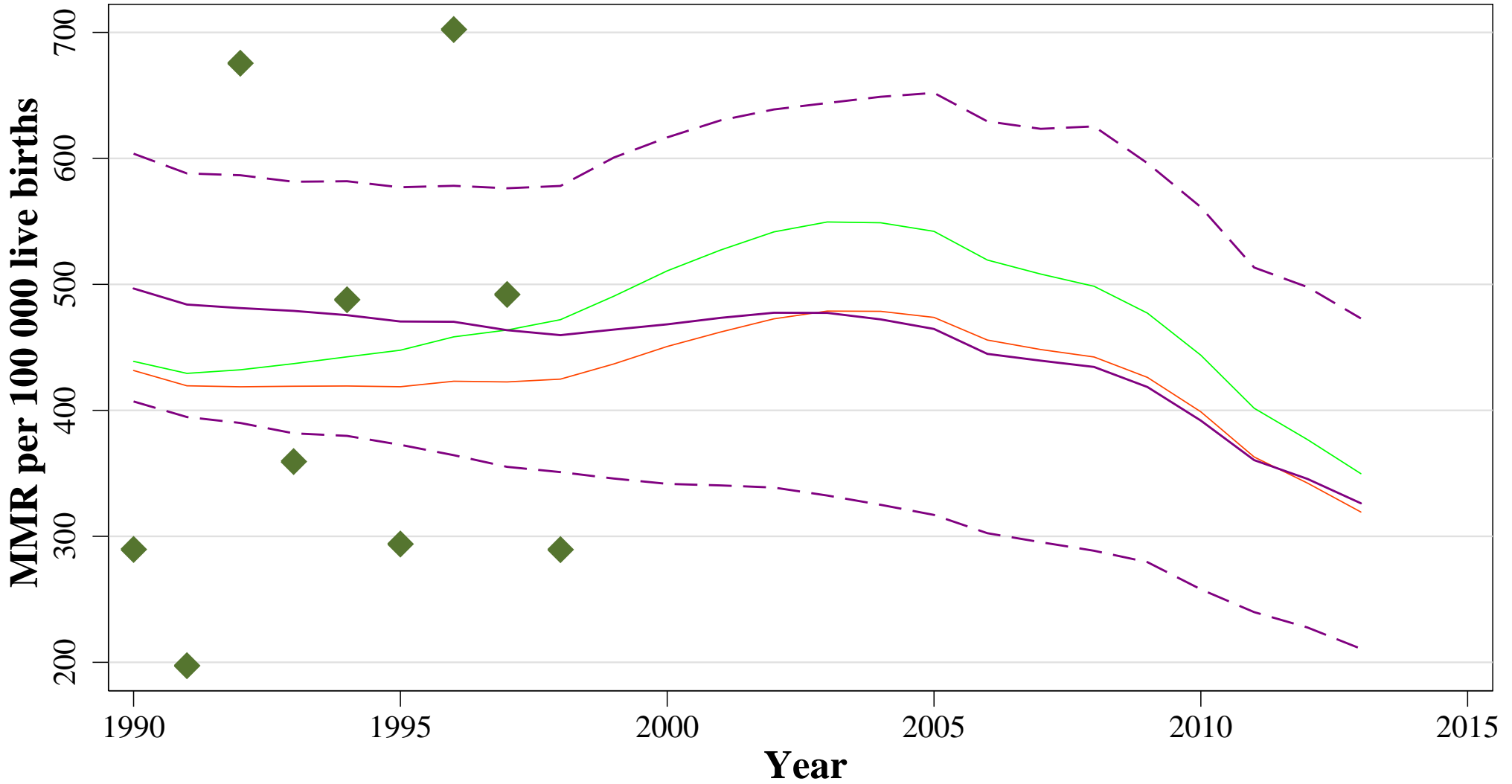
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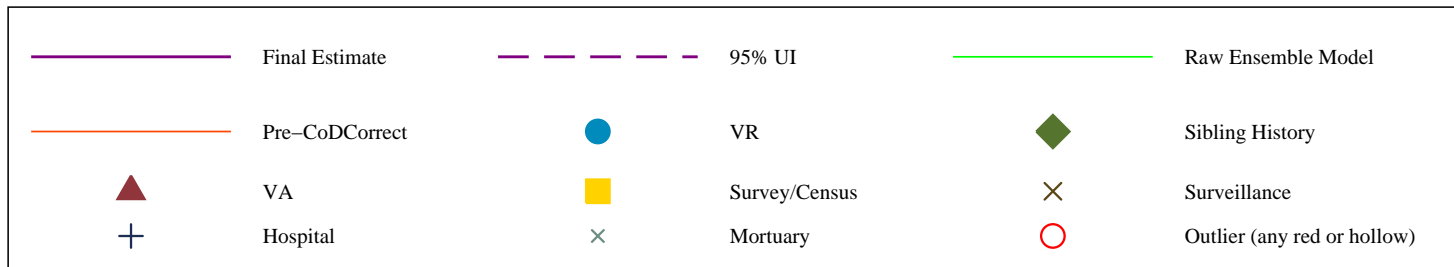
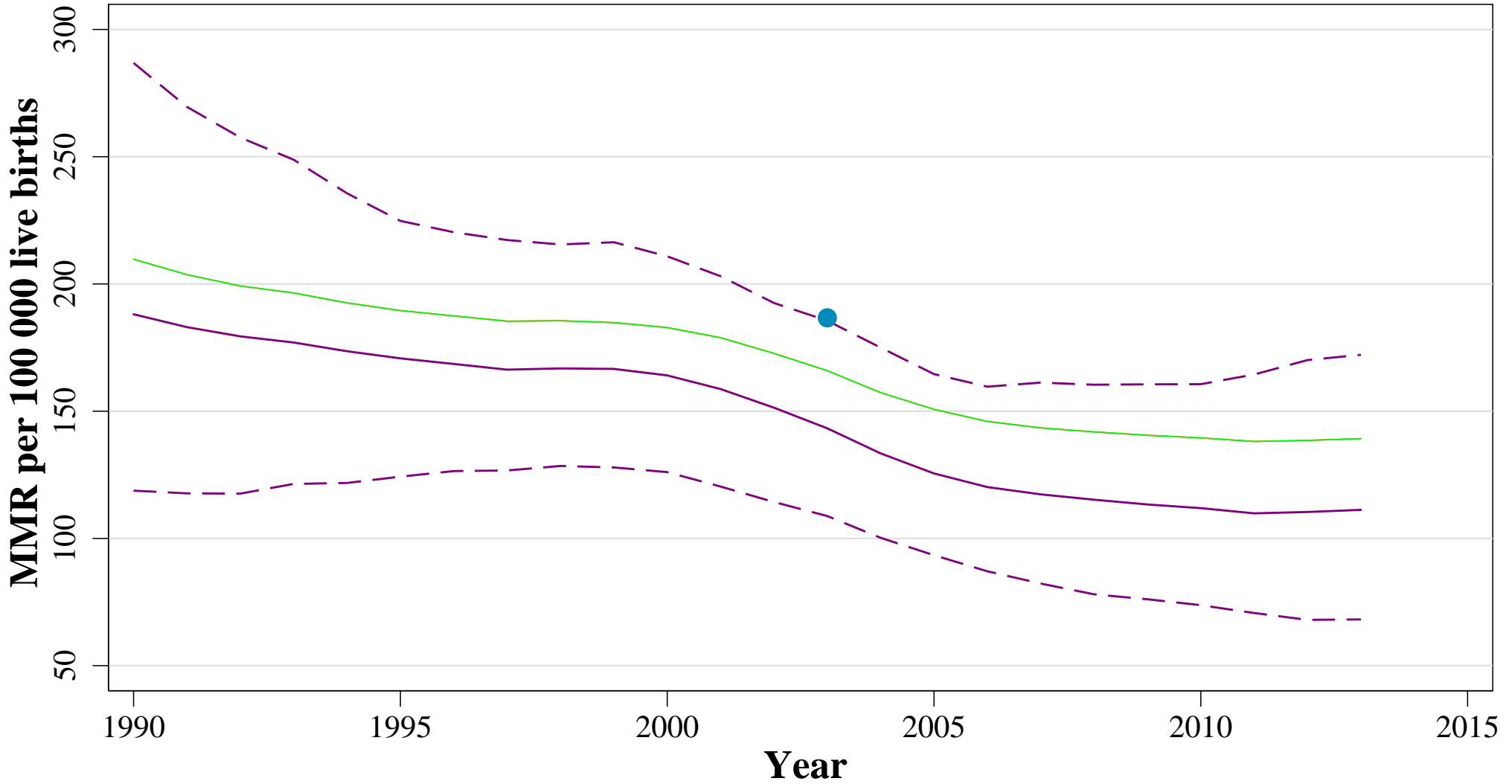
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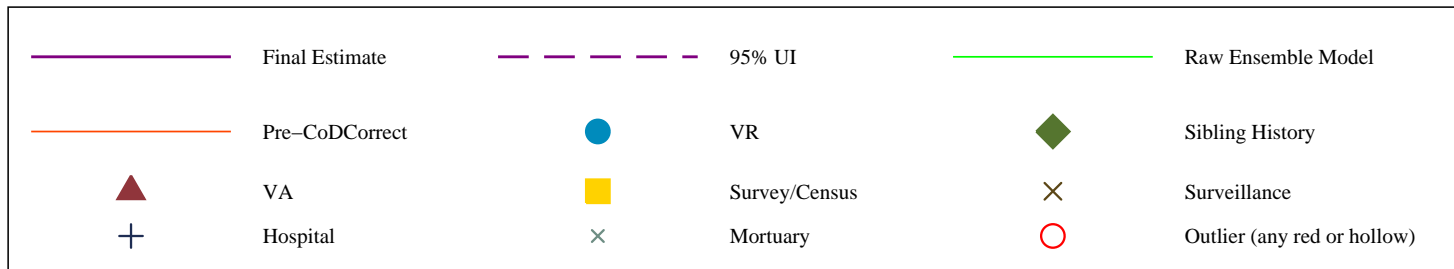
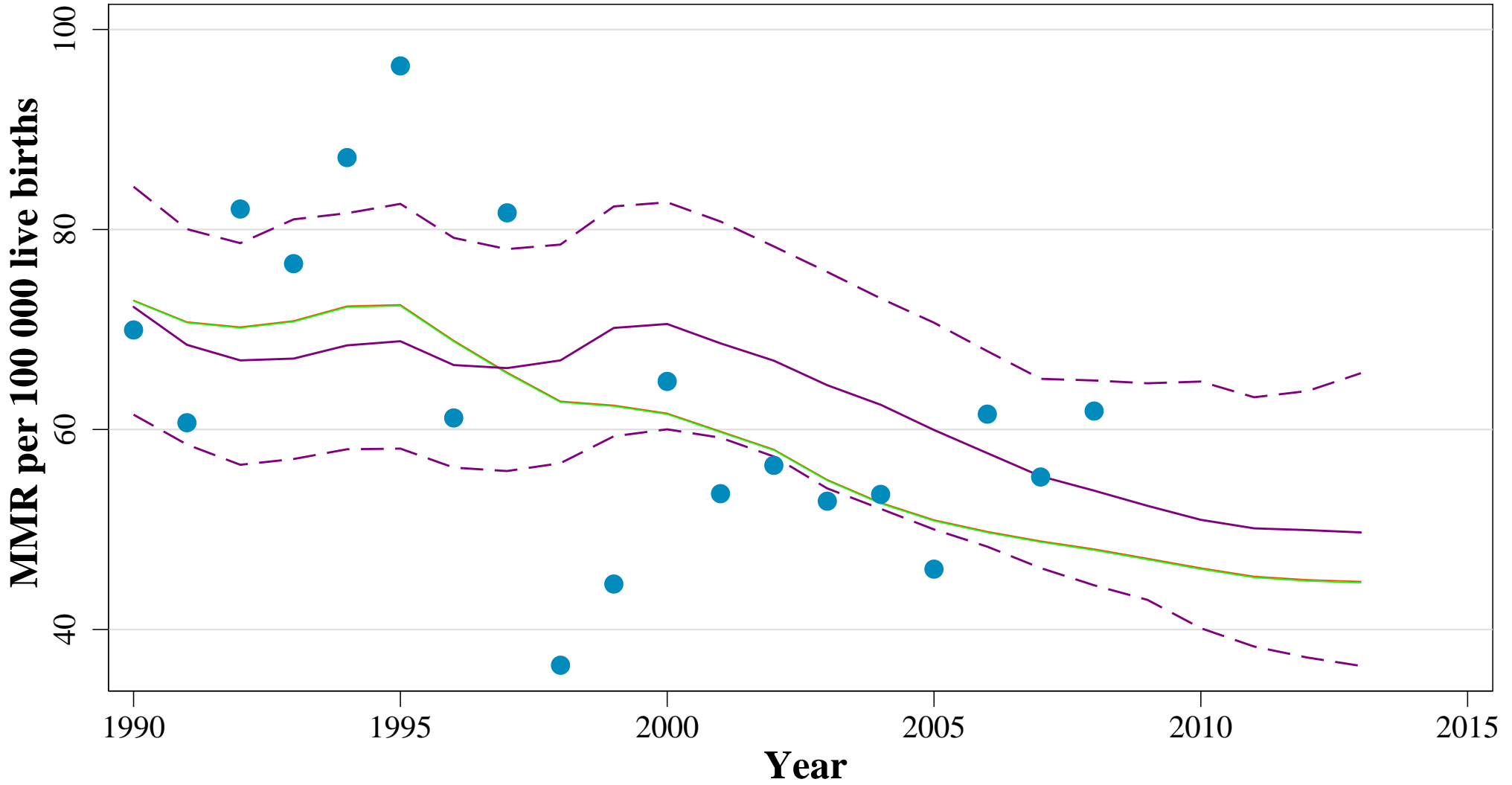
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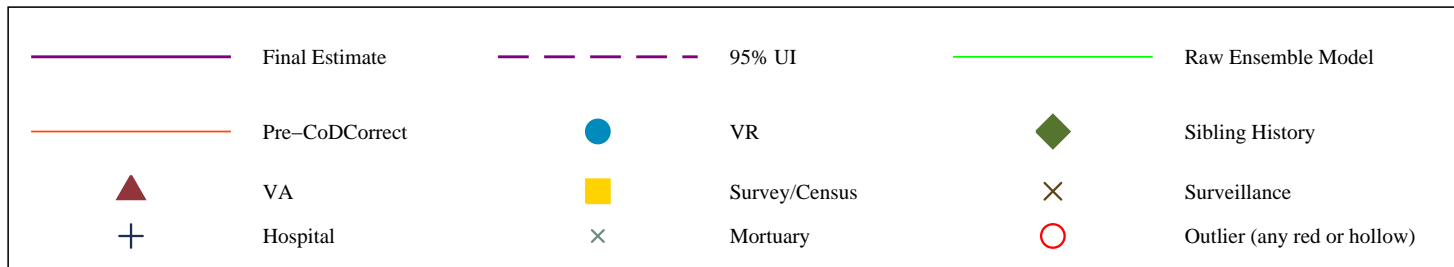
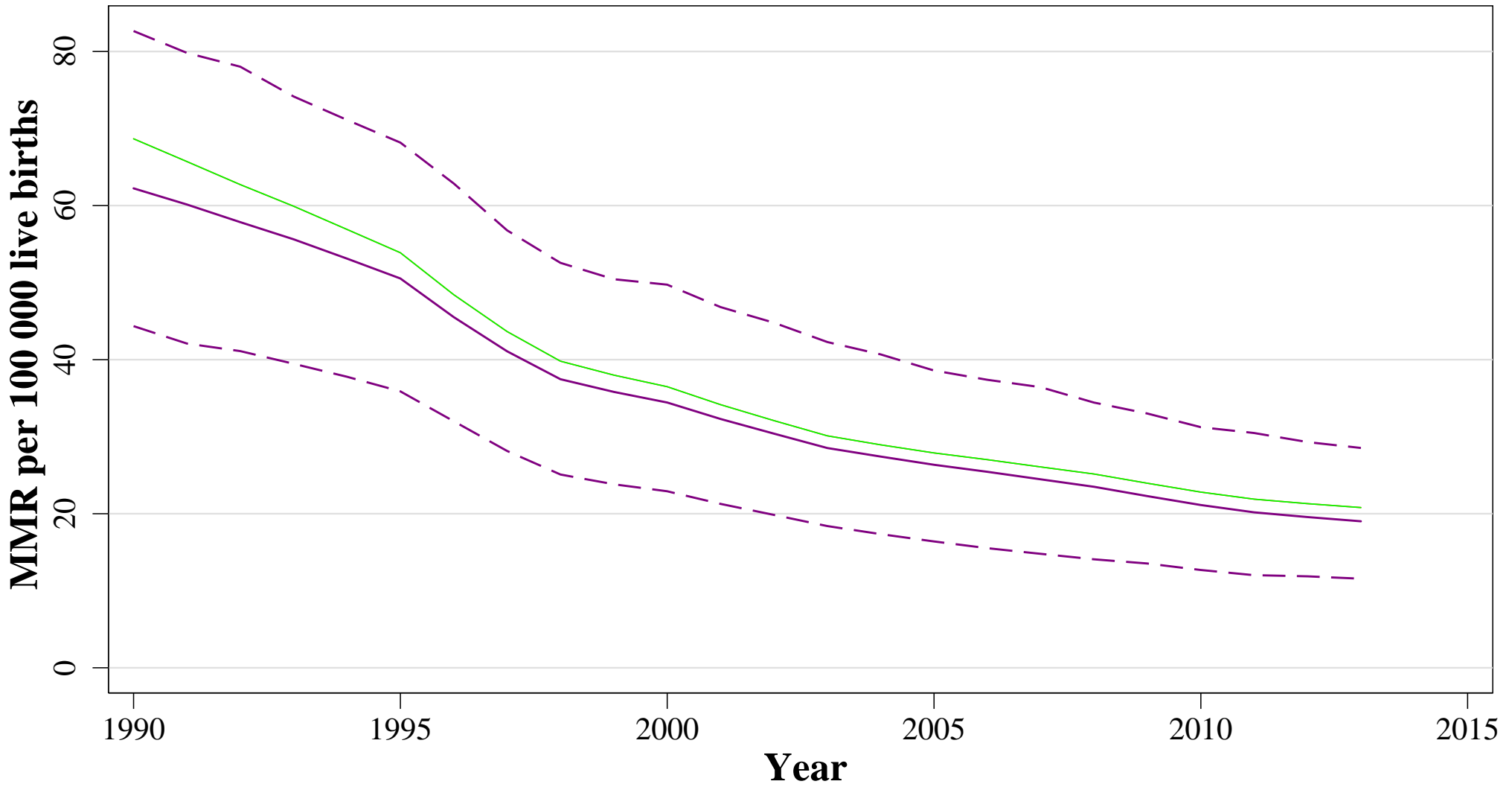
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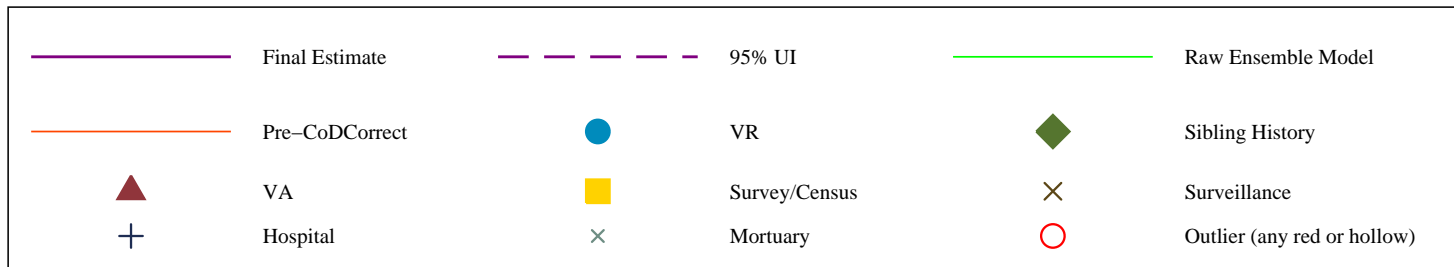
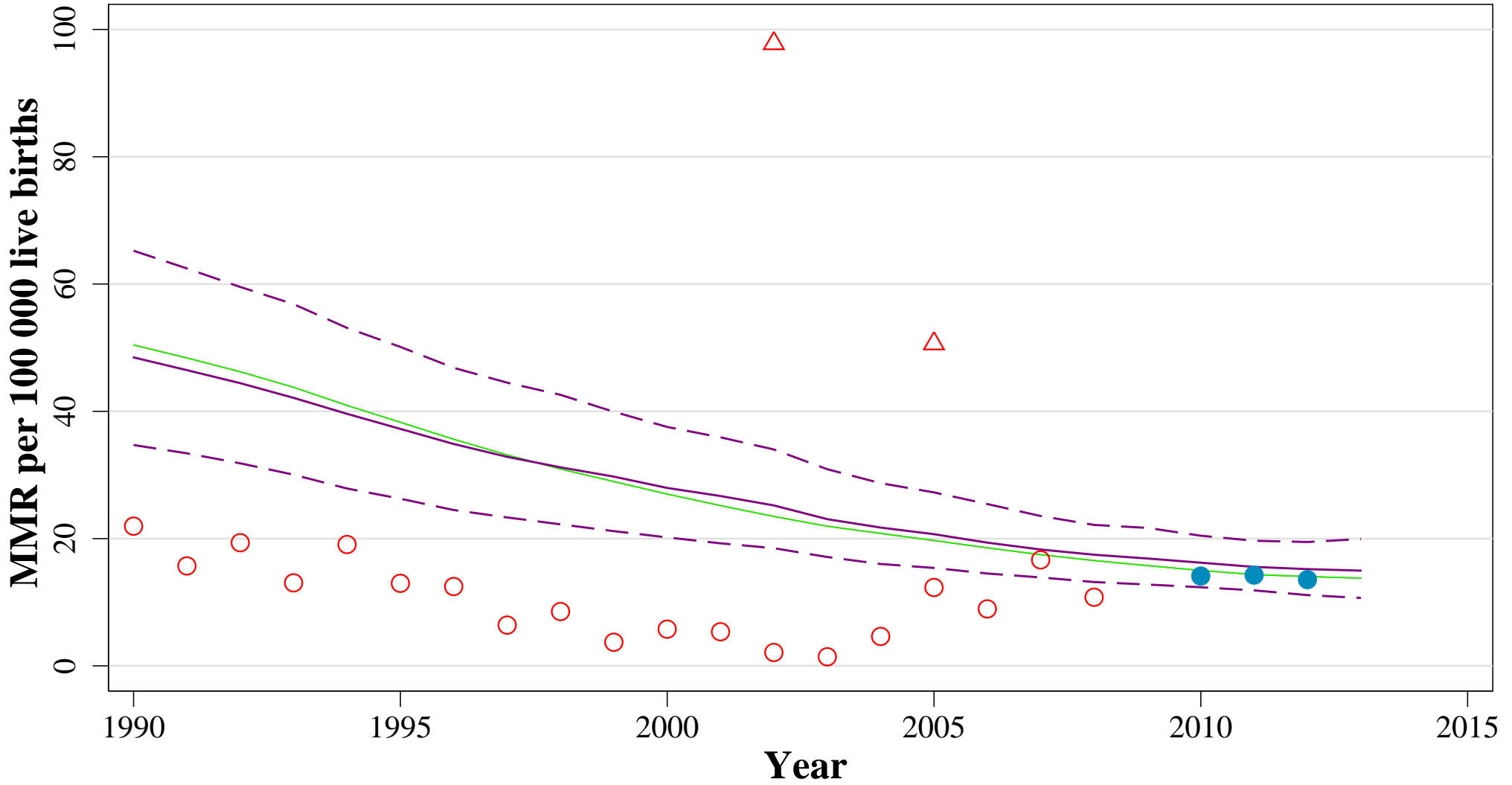
Trinidad and Tobago



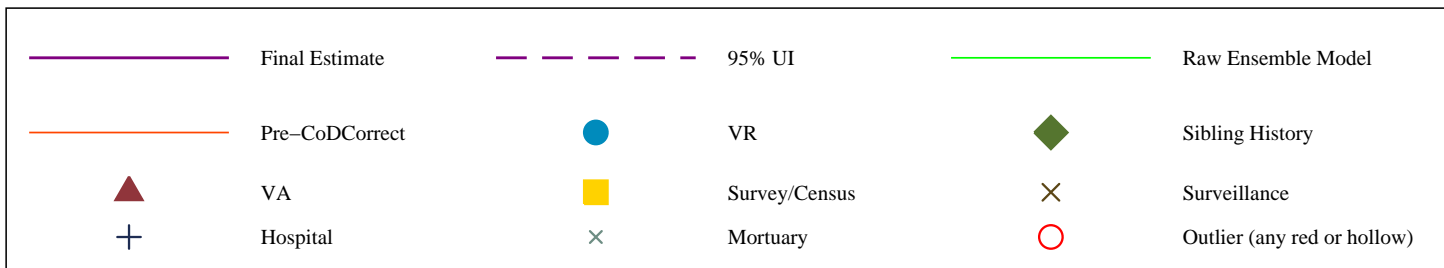
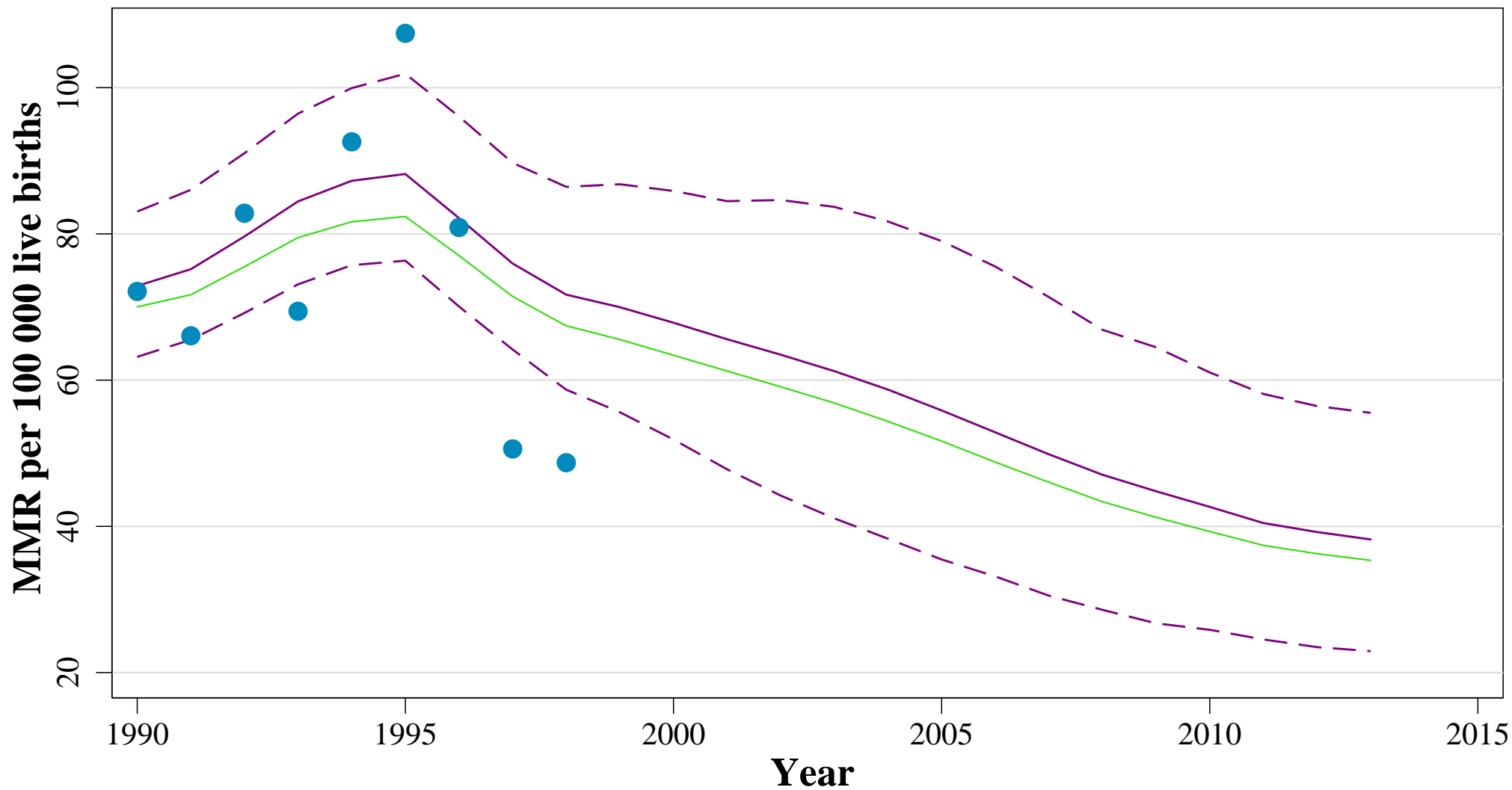
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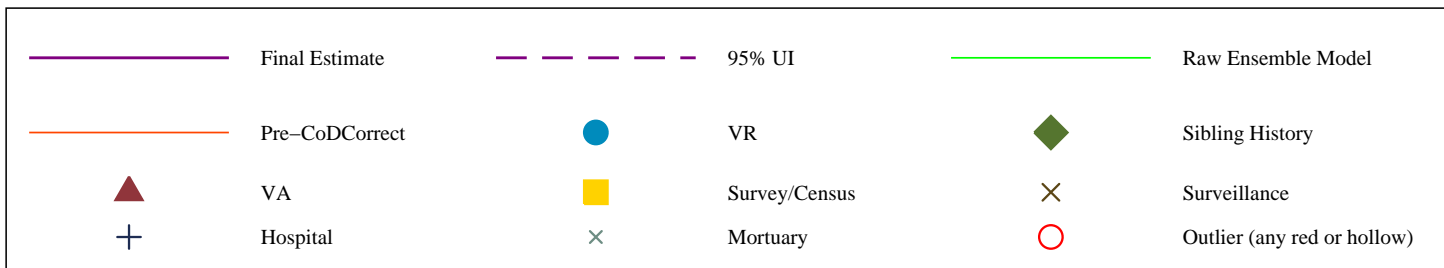
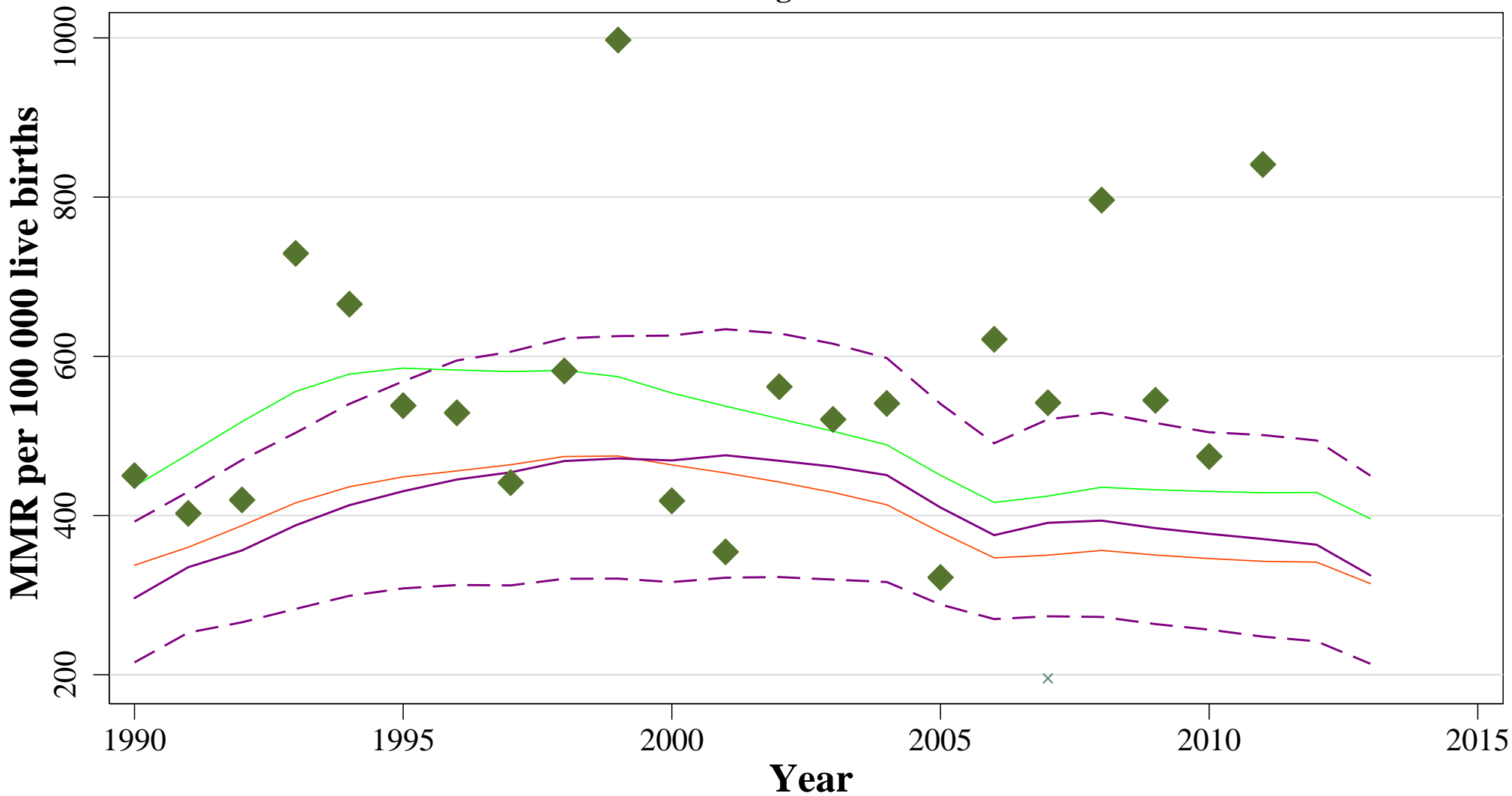
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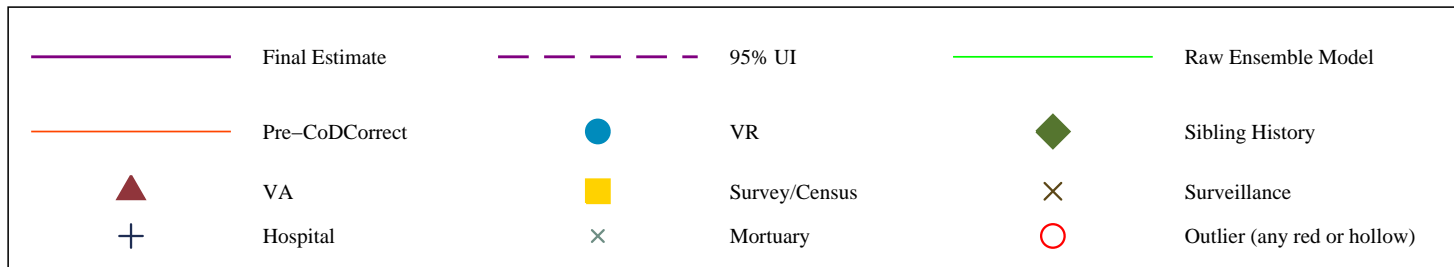
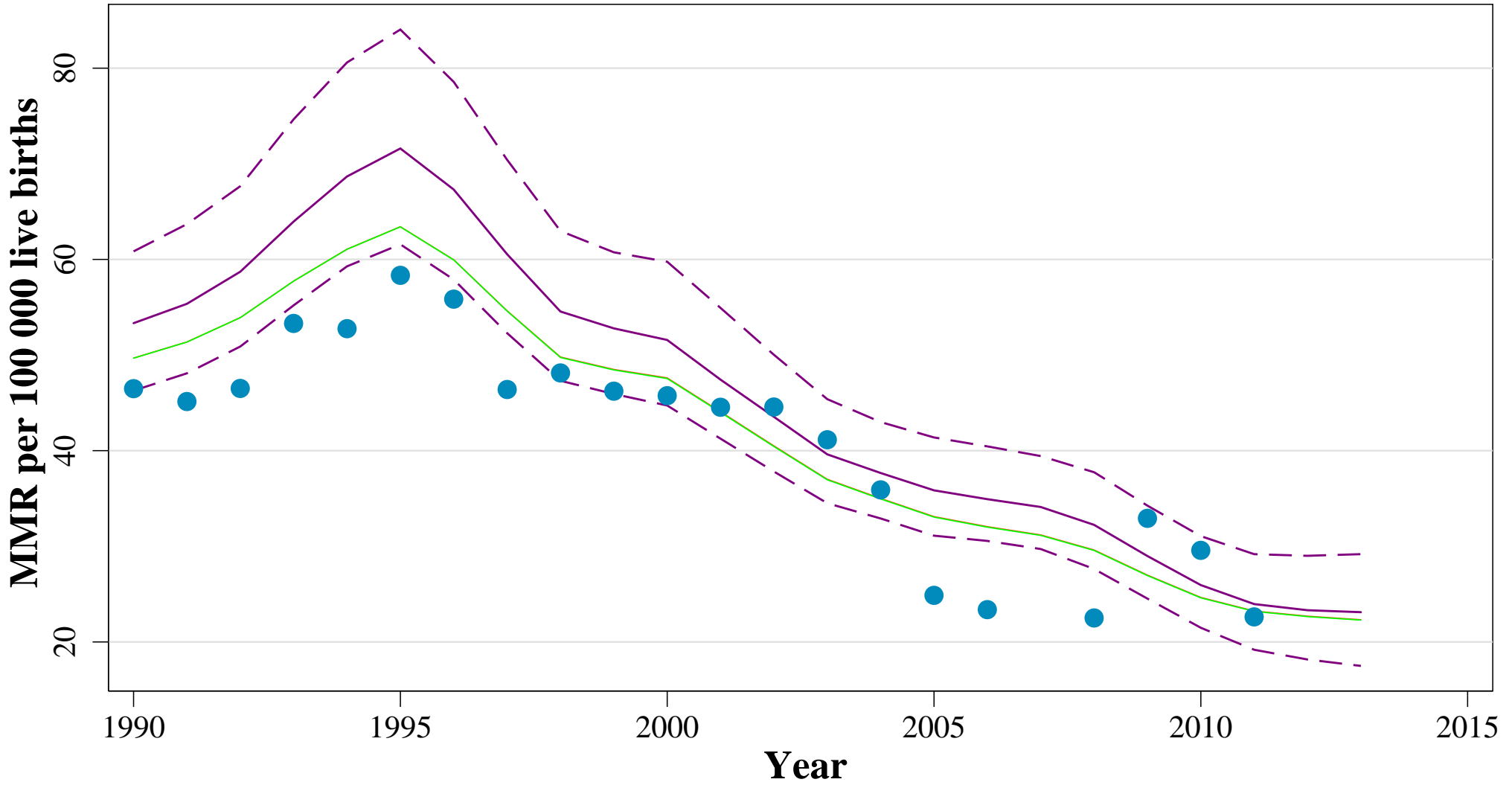
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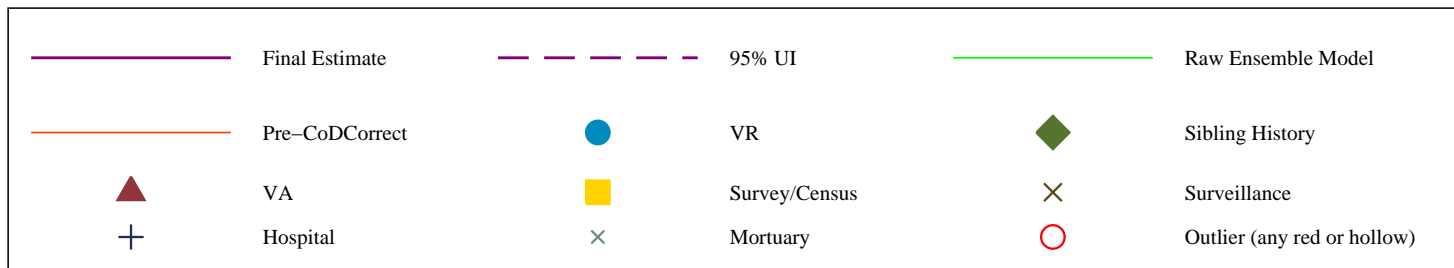
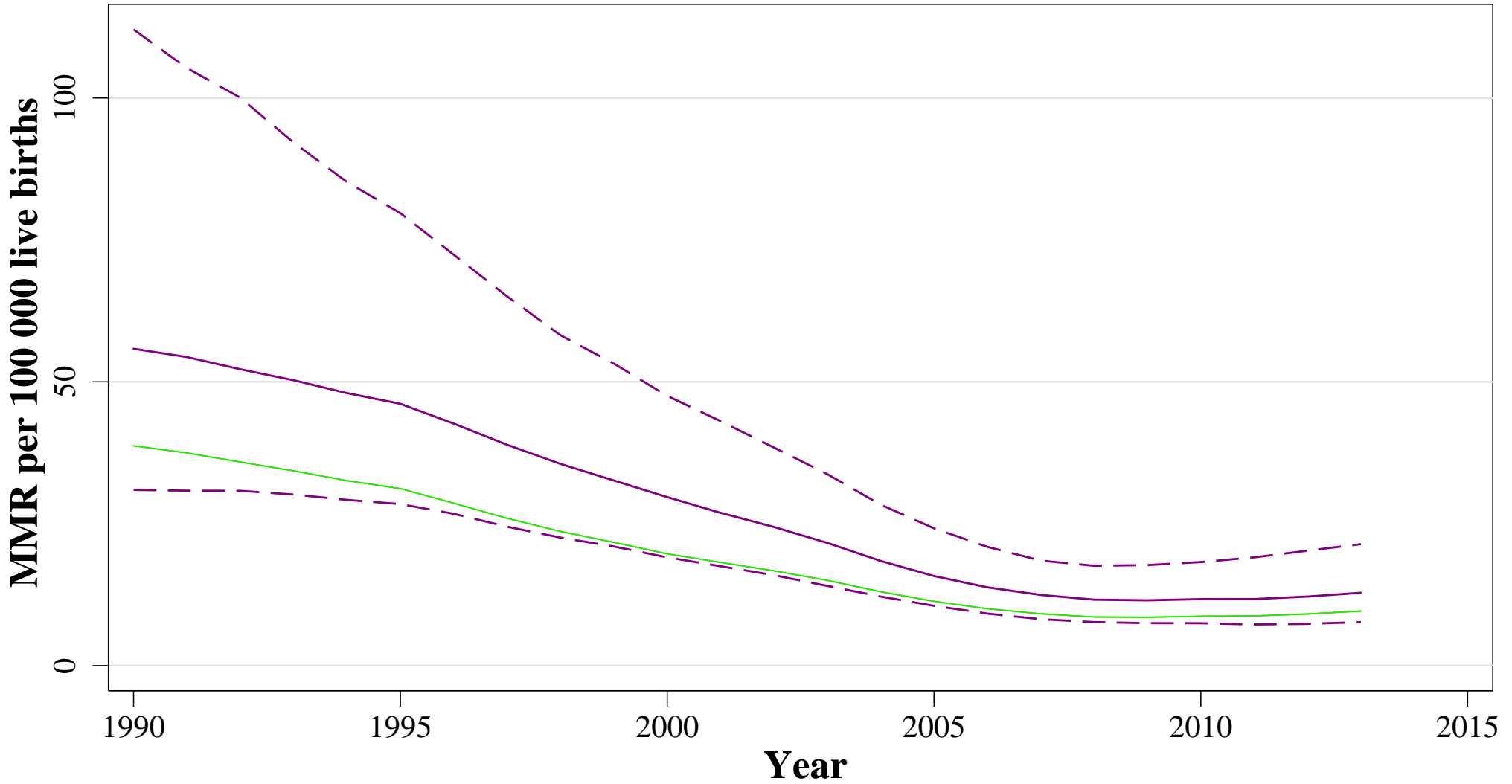
Uganda



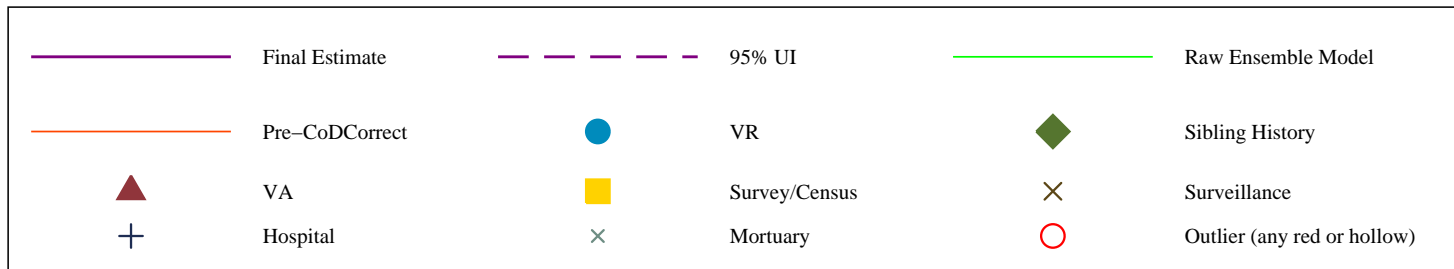
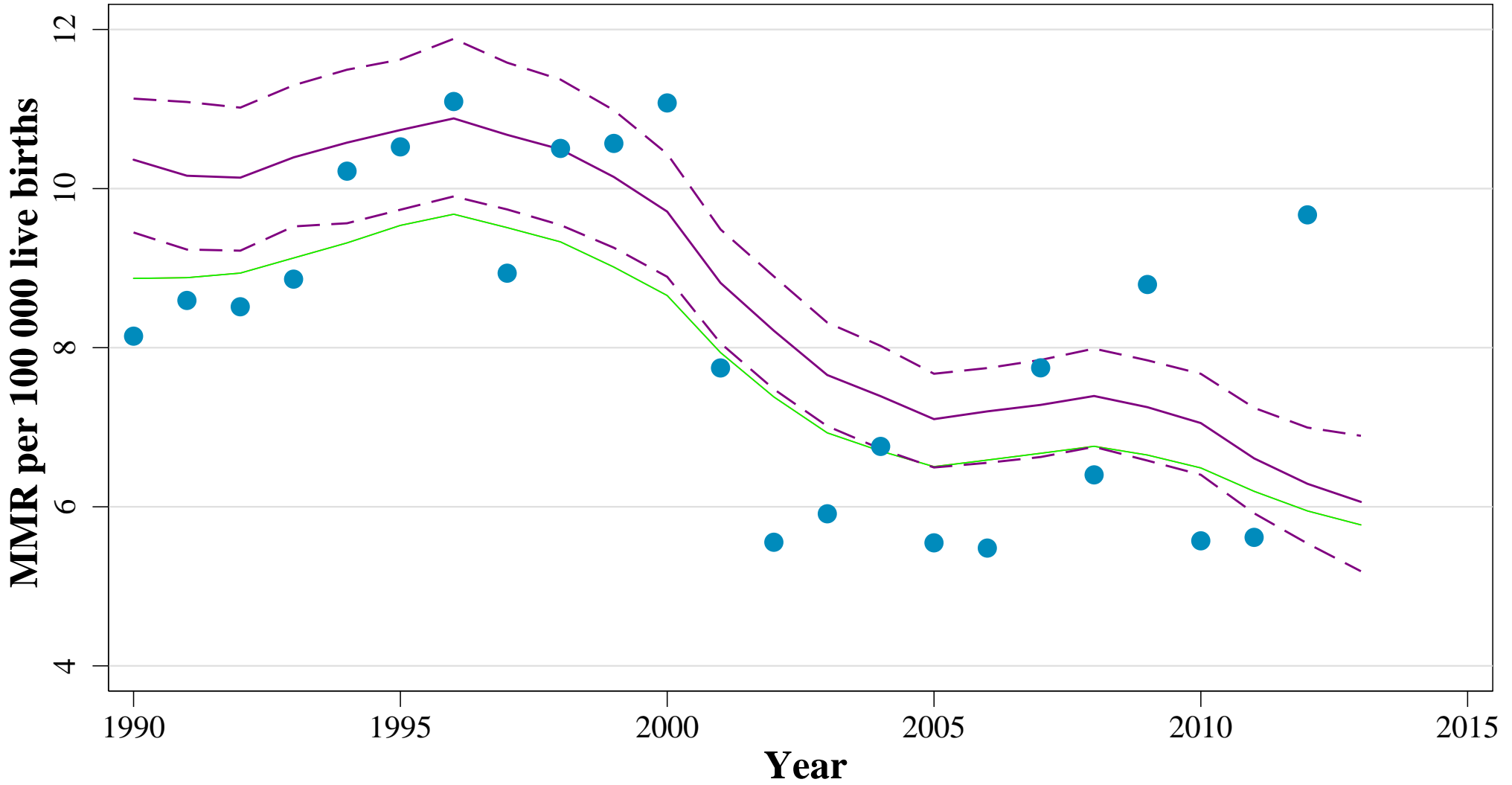
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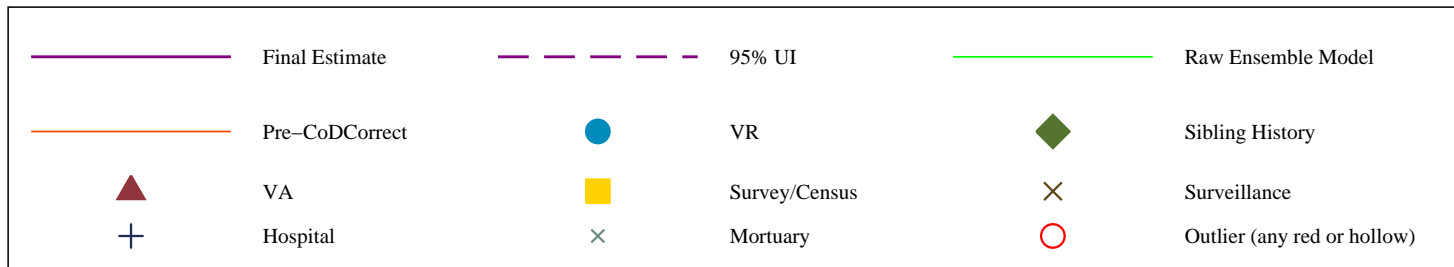
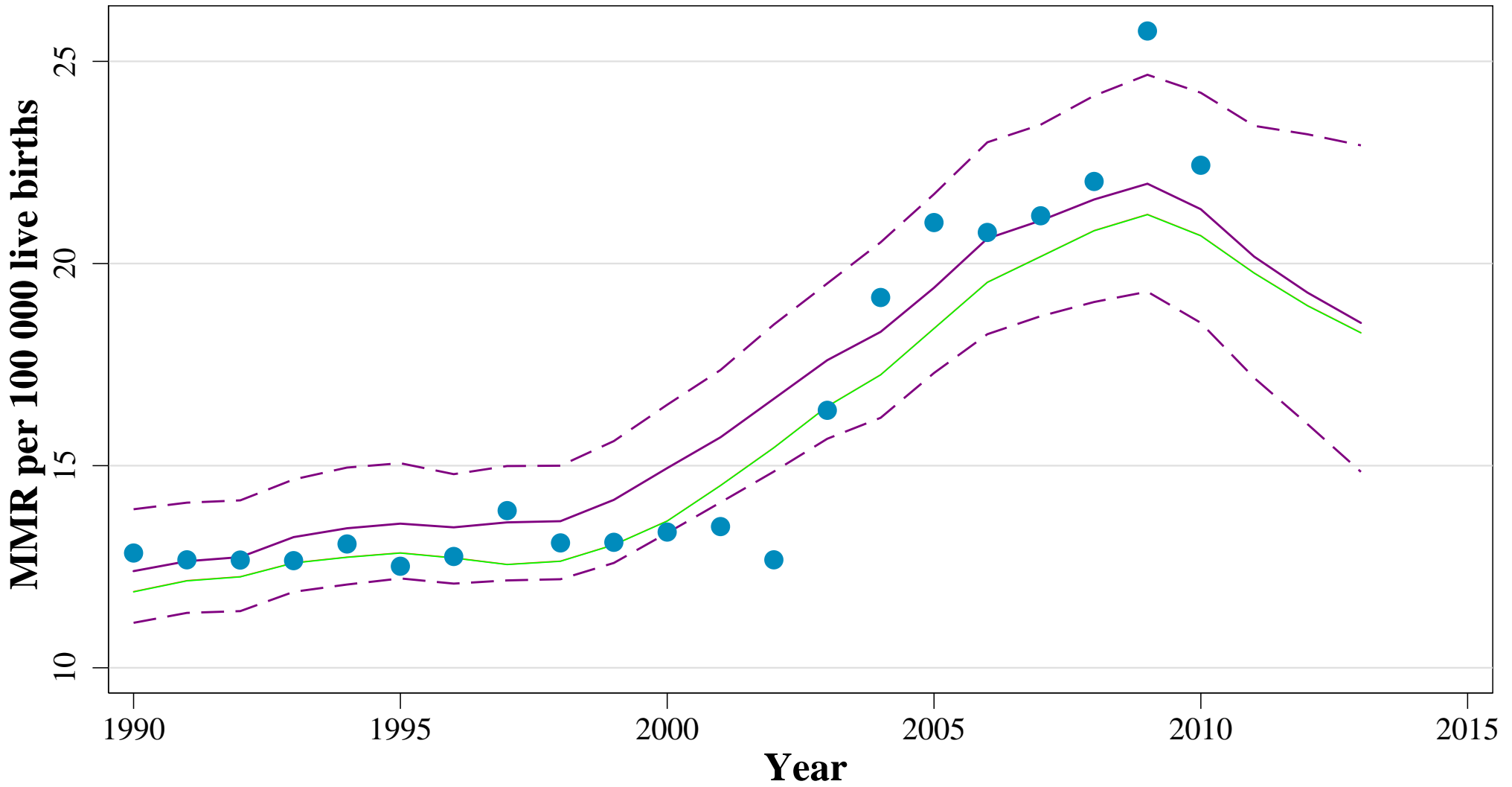
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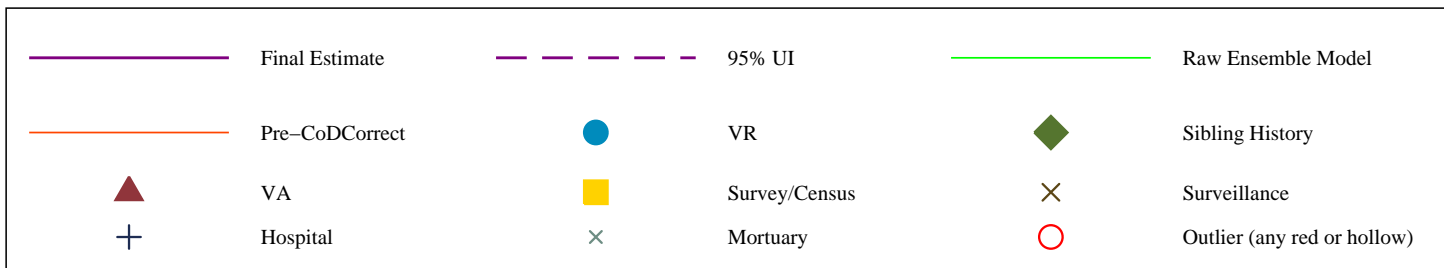
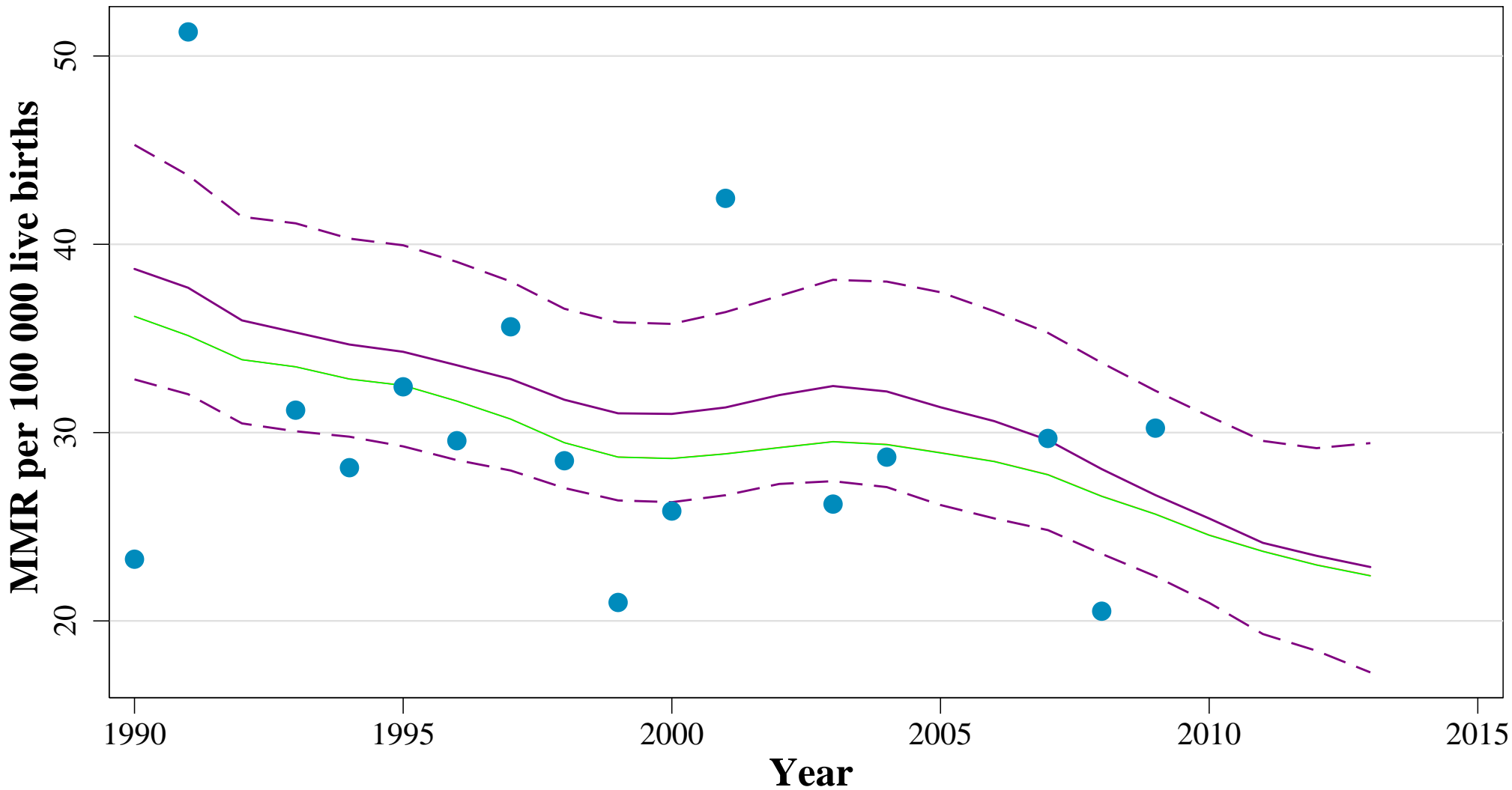
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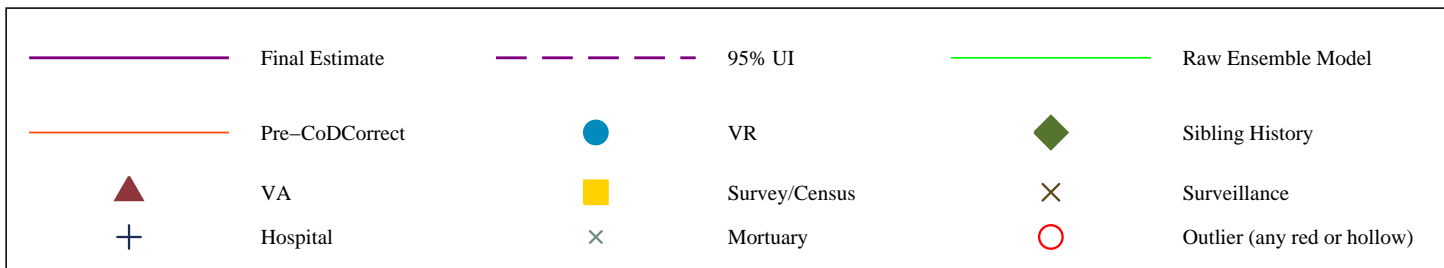
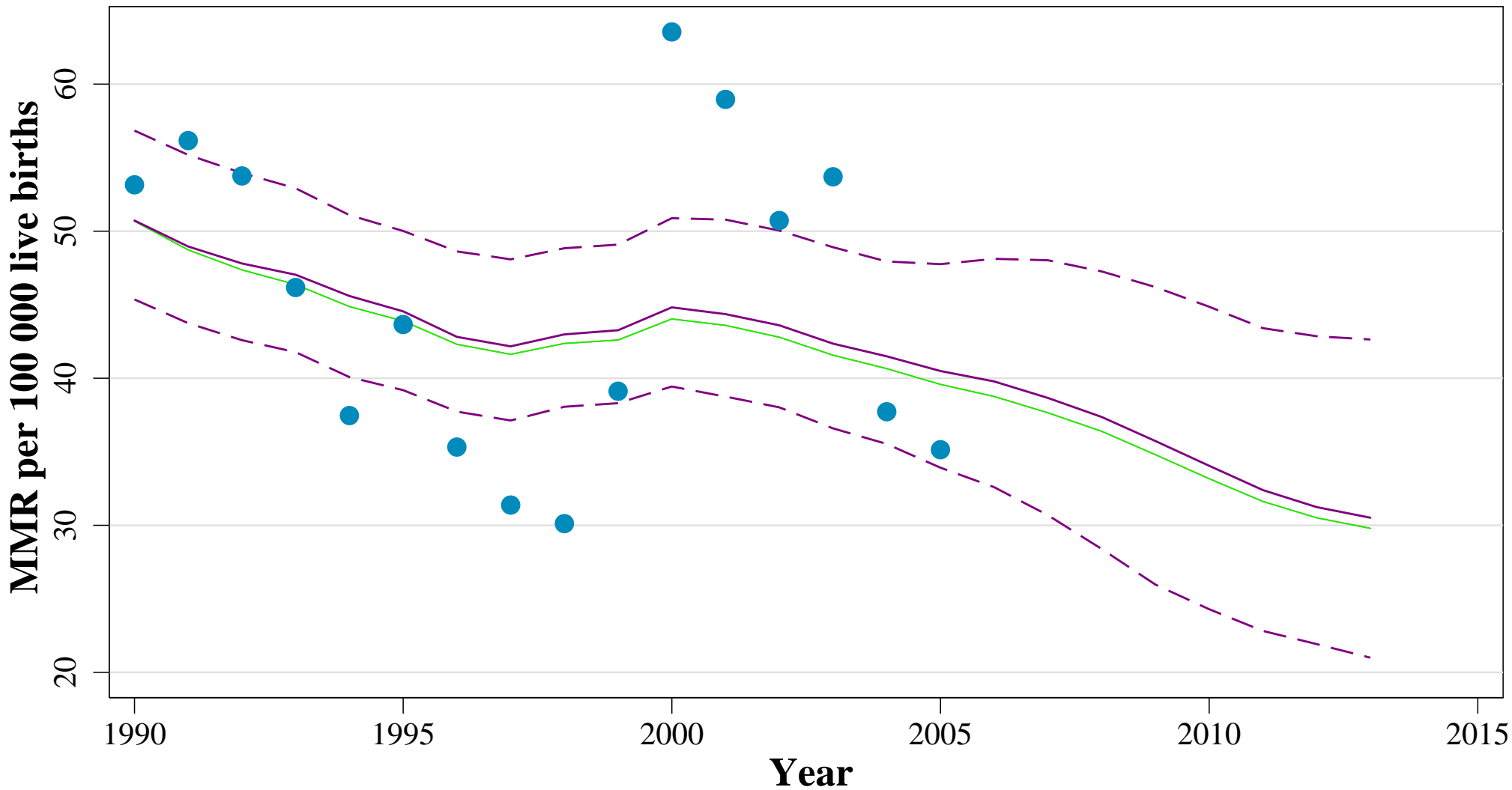
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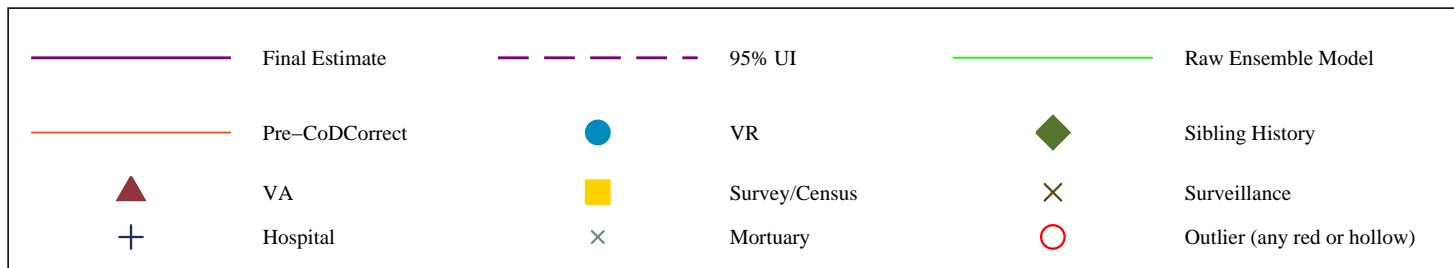
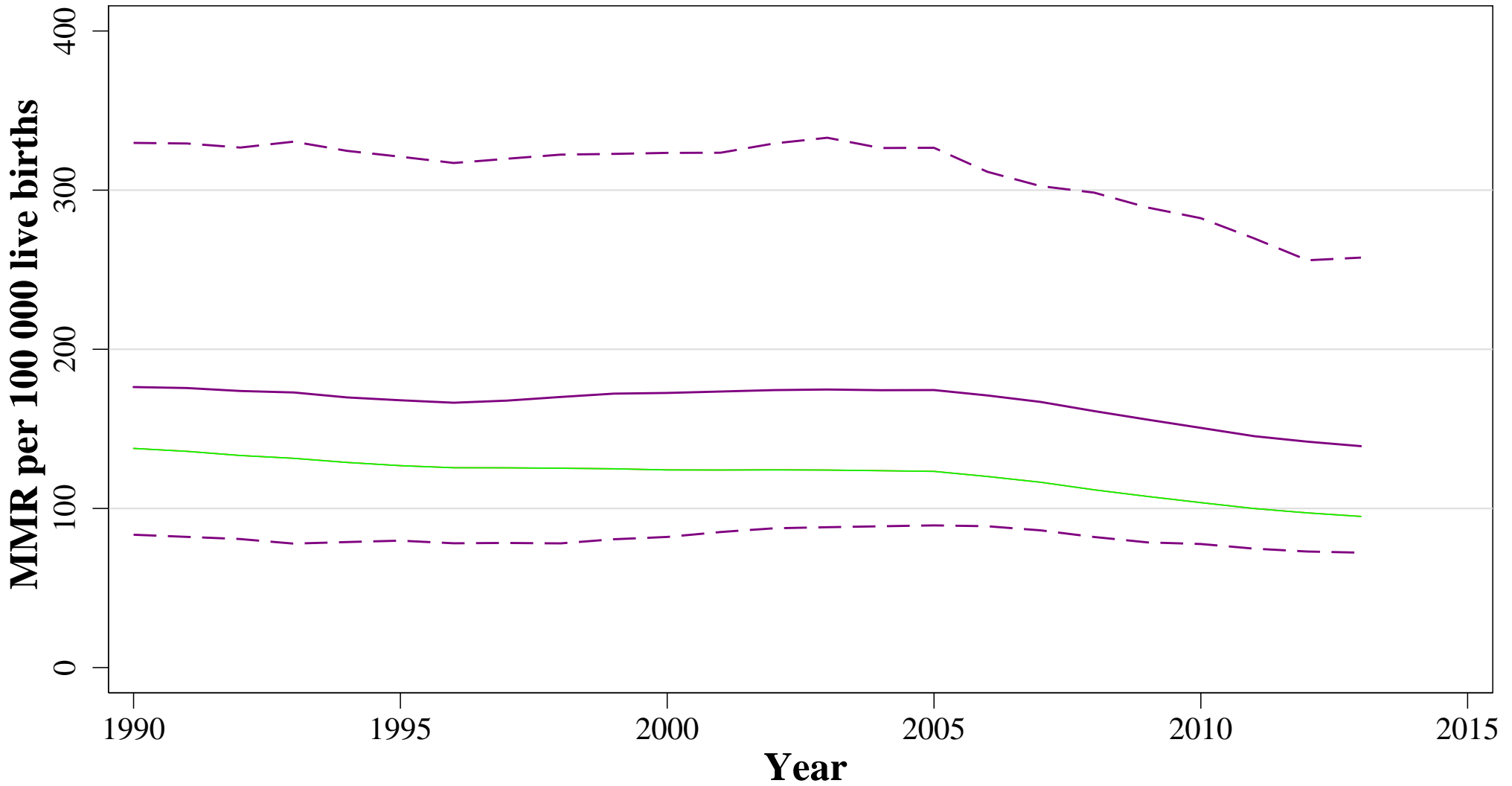
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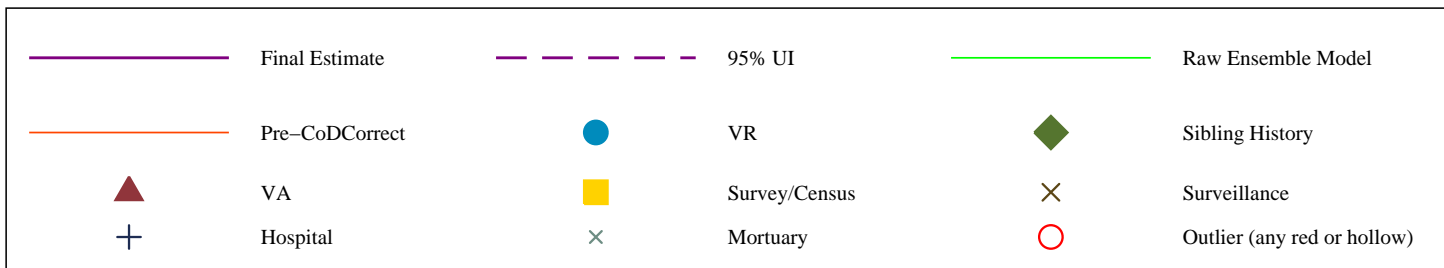
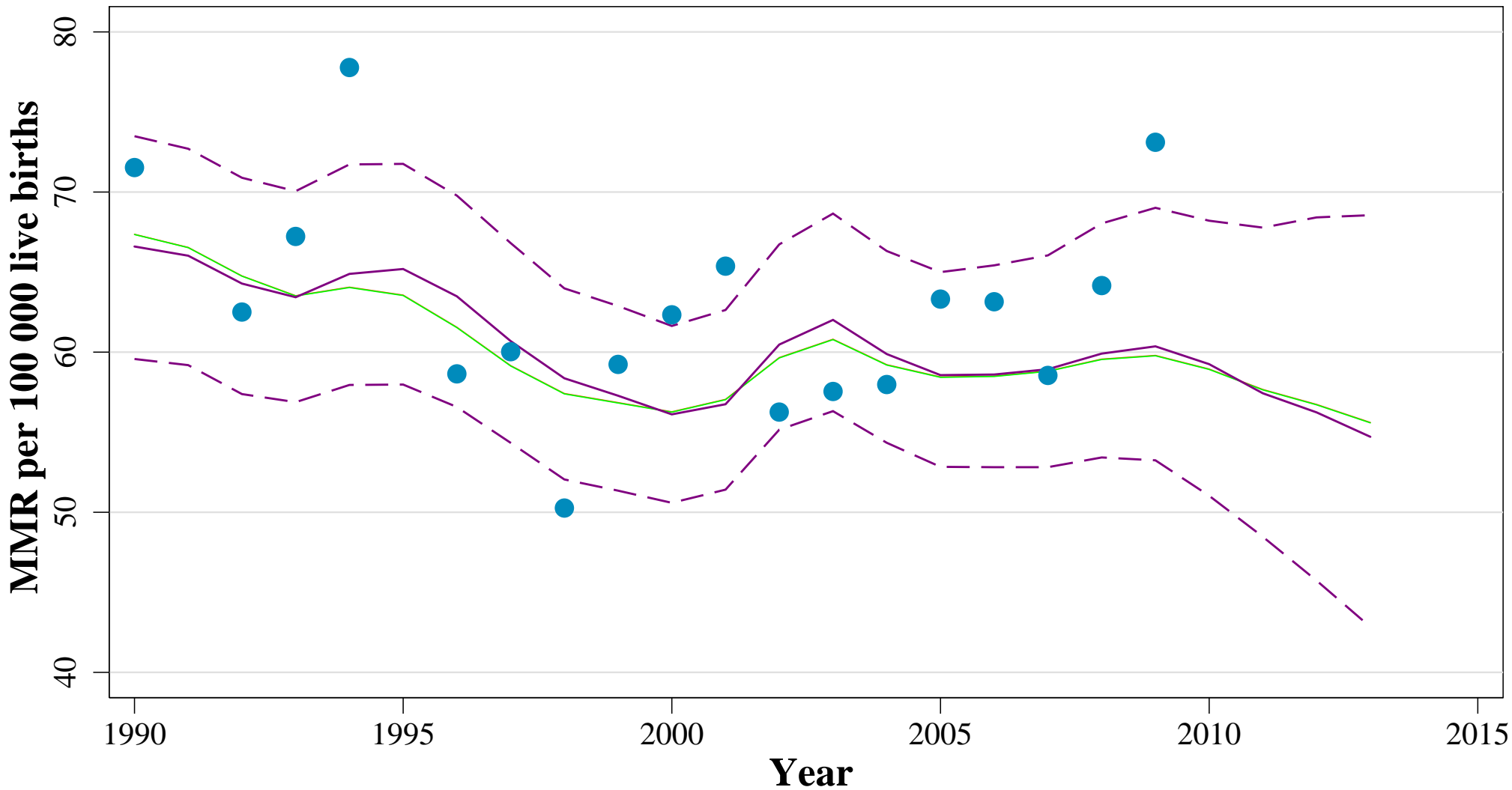
Uzbekistan



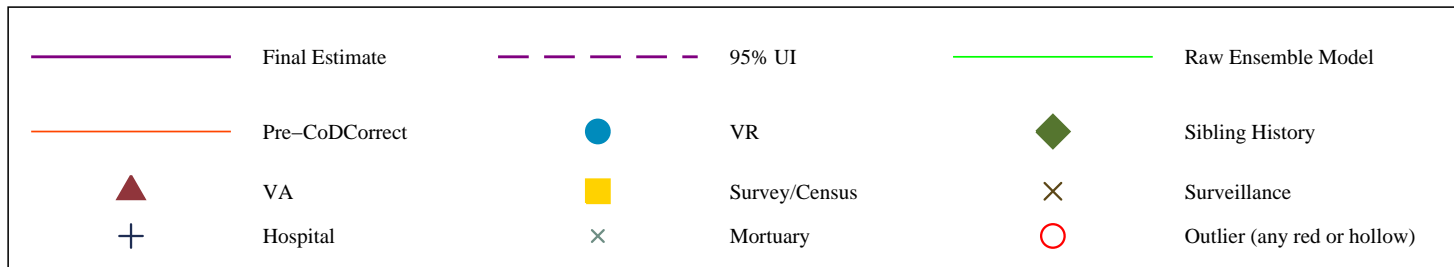
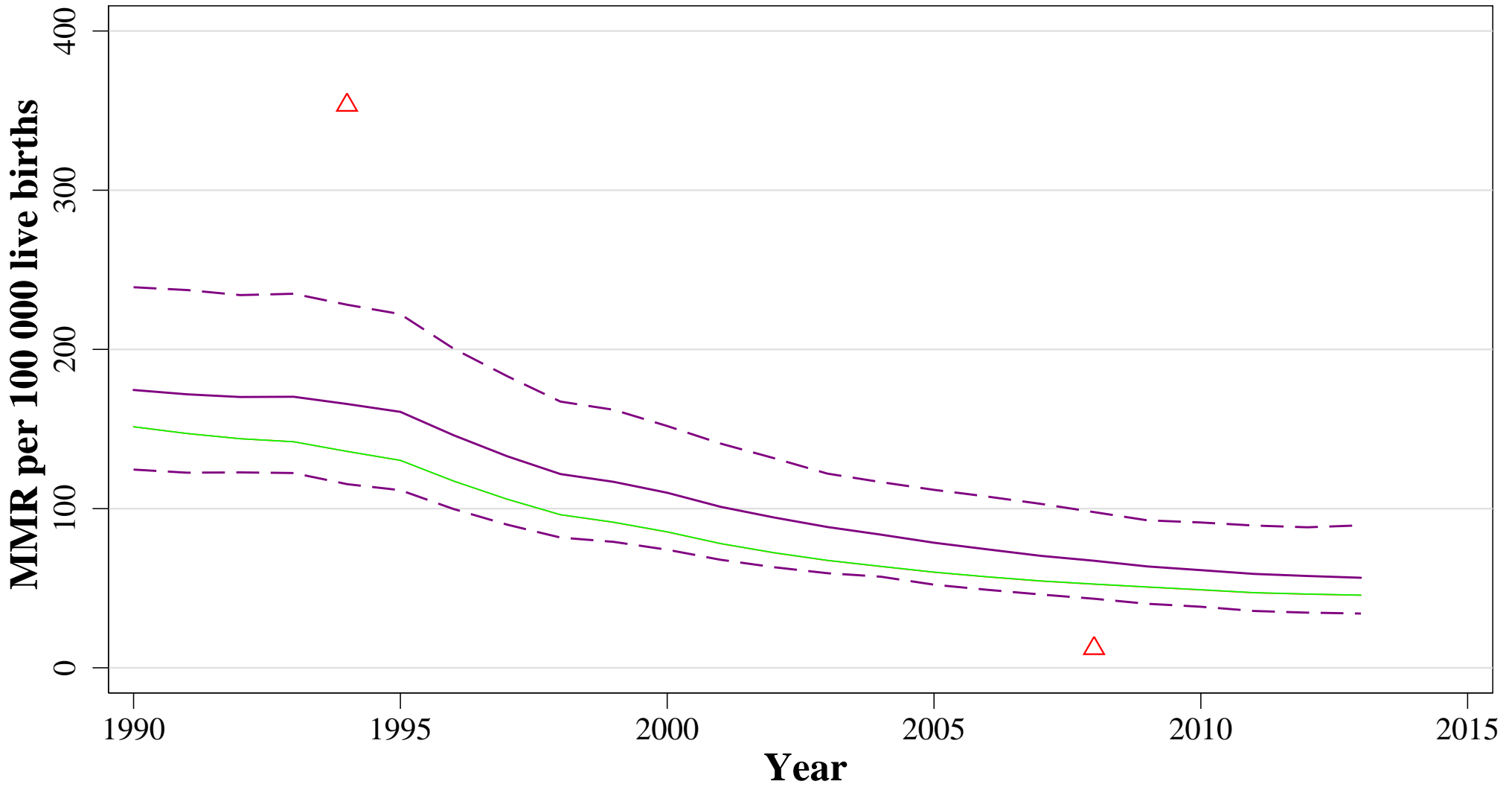
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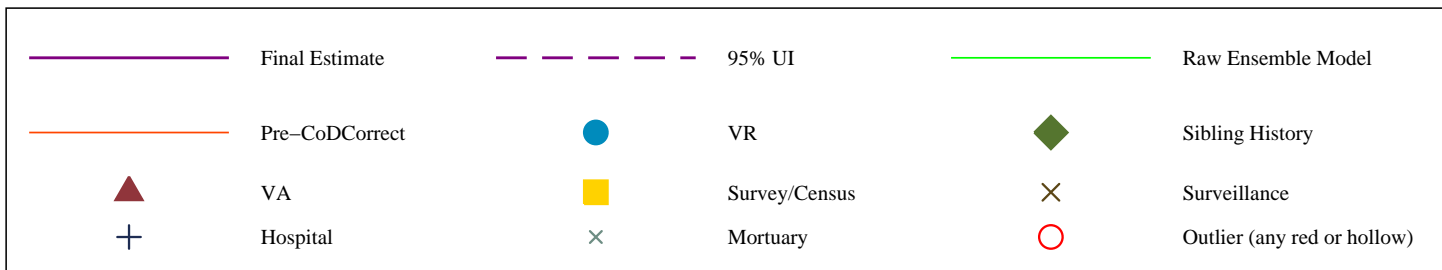
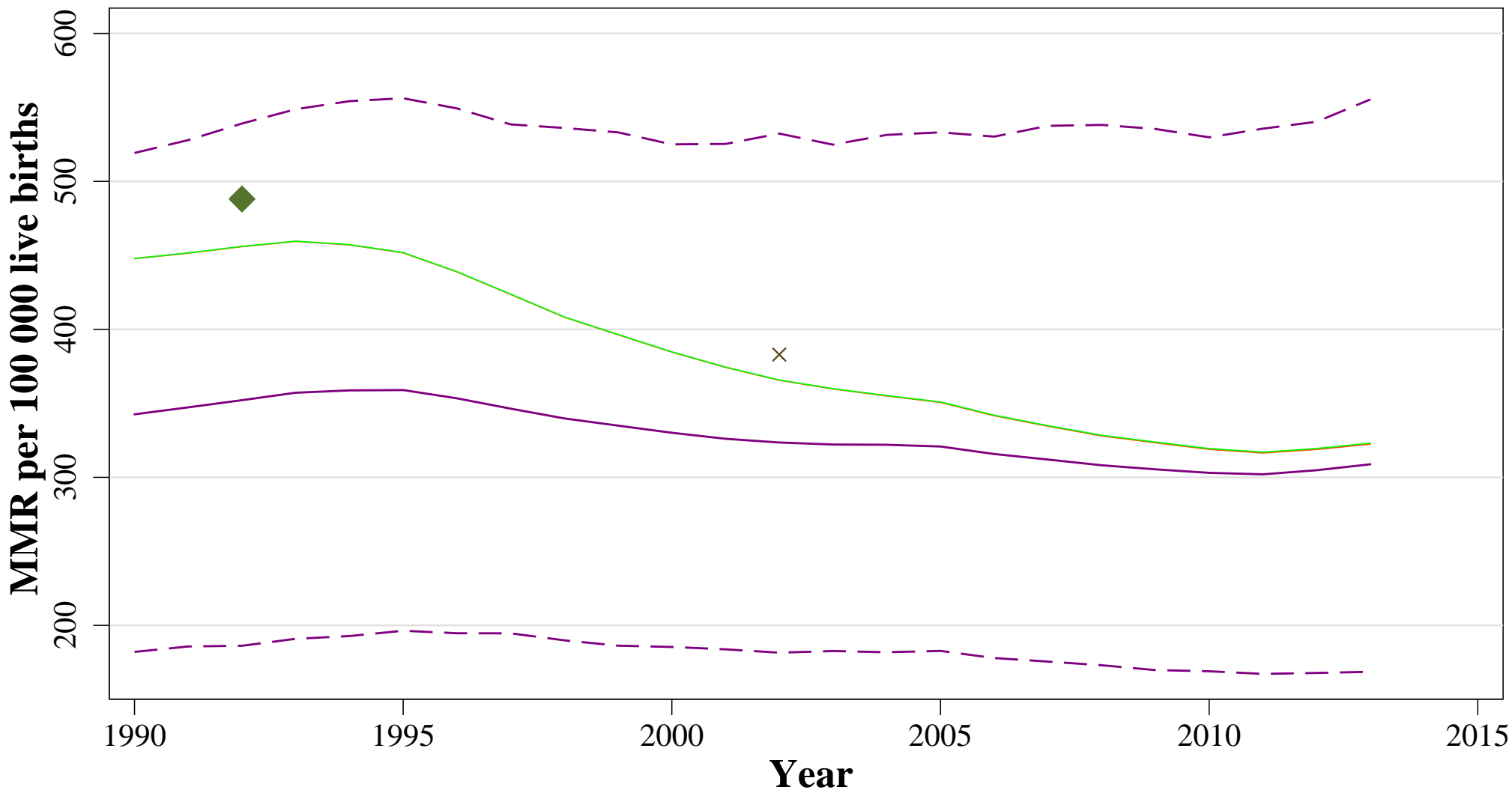
Venezuela



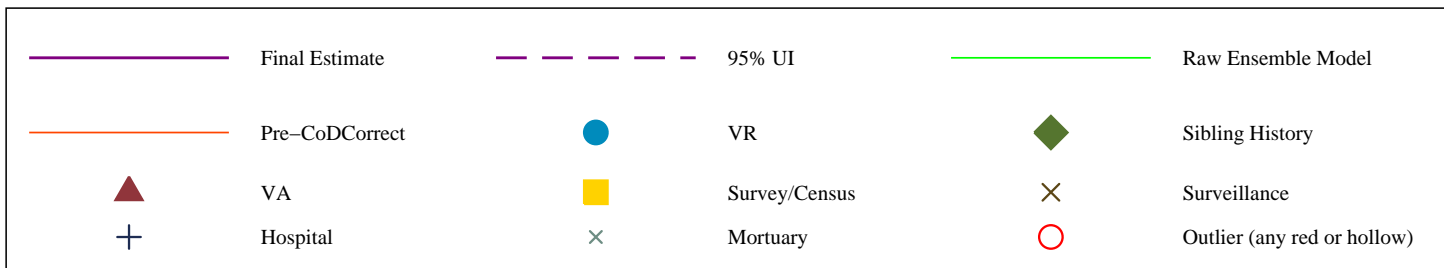
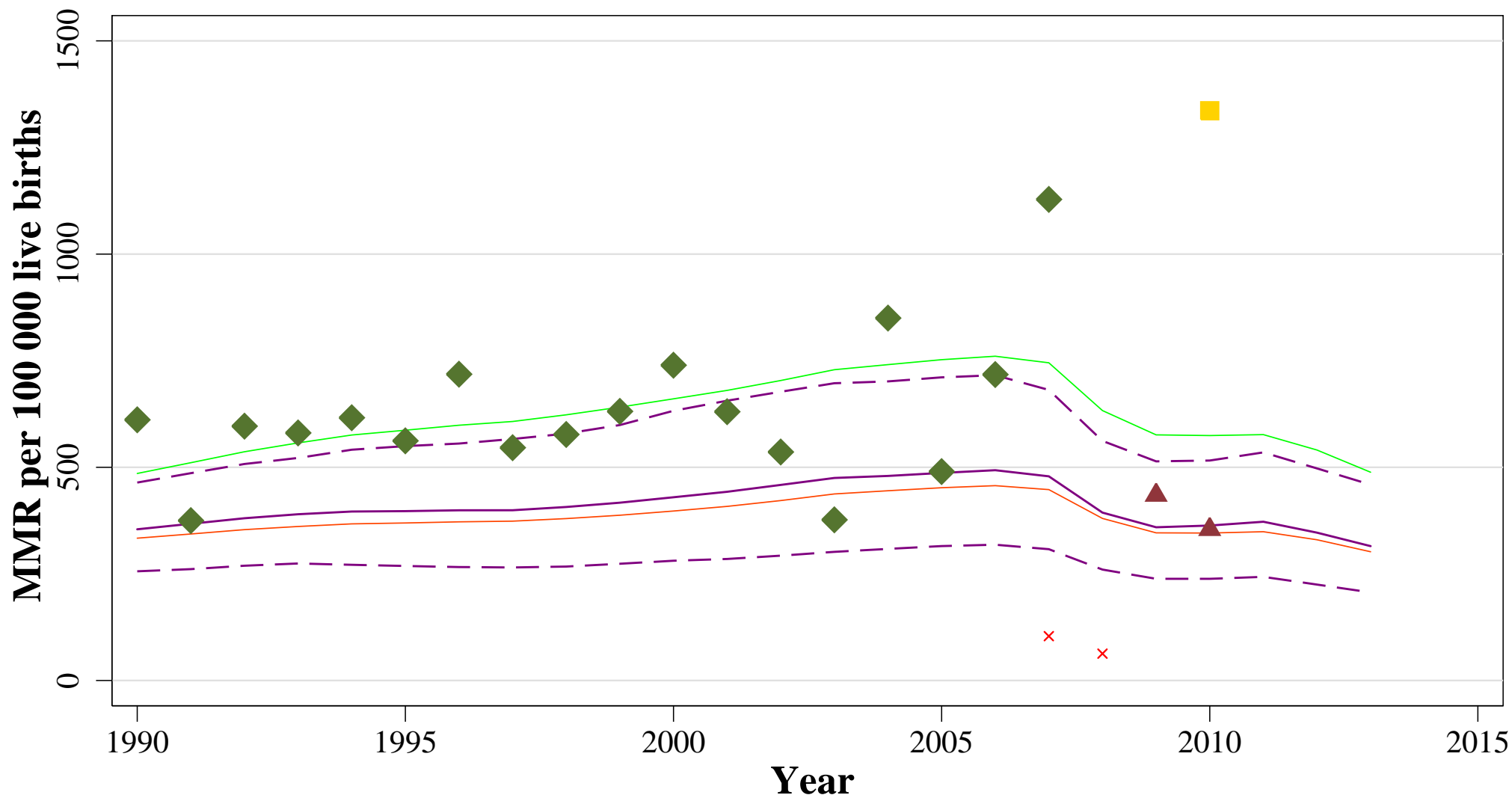
Vietnam



Yemen



Zambia



Zimbabwe

